

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\  
 Data File : VN052321.D  
 Acq On : 14 Nov 2018 18:55  
 Operator : MD\SY  
 Sample : VN1114WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 11/20/2018 2:53:34 PM

Quant Time: Nov 15 03:38:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 15 03:02:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 261677   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 443908   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 393368   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 156827   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 187168   | 50.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.28% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 146253   | 51.08 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.16% |      |
| 50) Toluene-d8            | 10.09  | 98  | 559063   | 49.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.28%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 174593   | 47.12 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.24%  |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 57575  | 20.764  | ug/l   | 98     |
| 3) Chloromethane              | 2.06 | 50  | 80542  | 20.901  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 69195  | 20.773  | ug/l   | 94     |
| 5) Bromomethane               | 2.58 | 94  | 40160  | 19.339  | ug/l   | 99     |
| 6) Chloroethane               | 2.71 | 64  | 36798  | 19.539  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 92921  | 20.159  | ug/l   | 100    |
| 8) Diethyl Ether              | 3.41 | 74  | 35561  | 20.242  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.77 | 101 | 56148  | 19.289  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.96 | 142 | 75270  | 19.259  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.79 | 59  | 18415  | 94.348  | ug/l # | 72     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 52802  | 19.602  | ug/l   | 95     |
| 13) Acrolein                  | 3.61 | 56  | 25025  | 99.373  | ug/l   | 98     |
| 14) Allyl chloride            | 4.33 | 41  | 109503 | 19.798  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 111675 | 100.201 | ug/l   | 98     |
| 16) Acetone                   | 3.82 | 43  | 80421  | 79.031  | ug/l   | 95     |
| 17) Carbon Disulfide          | 4.06 | 76  | 149105 | 19.303  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 62754  | 22.249  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 158171 | 20.433  | ug/l   | 98     |
| 20) Methylene Chloride        | 4.55 | 84  | 62647  | 19.813  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 57971  | 19.989  | ug/l   | 99     |
| 22) Diisopropyl ether         | 5.95 | 45  | 229493 | 20.335  | ug/l   | 98     |
| 23) Vinyl Acetate             | 5.90 | 43  | 749957 | 97.961  | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.86 | 63  | 120258 | 19.872  | ug/l   | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 133708 | 93.350  | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 82566  | 18.555  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 65508  | 19.403  | ug/l   | 96     |
| 28) Bromochloromethane        | 7.19 | 49  | 61703  | 19.830  | ug/l   | 100    |
| 29) Tetrahydrofuran           | 7.21 | 42  | 95210  | 101.186 | ug/l   | 99     |
| 30) Chloroform                | 7.37 | 83  | 128452 | 22.273  | ug/l   | 96     |
| 31) Cyclohexane               | 7.66 | 56  | 111106 | 19.120  | ug/l # | 92     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 95787  | 19.497  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 84671  | 19.030  | ug/l   | 97     |
| 37) Ethyl Acetate             | 6.93 | 43  | 64268  | 19.903  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 82290  | 20.131  | ug/l   | 100    |

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 ALS Vial : 19 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 11/20/2018 2:53:34 PM

Quant Time: Nov 15 03:38:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 15 03:02:37 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 97674    | 19.230  | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 255066   | 20.067  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.18  | 41   | 34672    | 21.600  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 91050    | 20.088  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 117766   | 18.900  | ug/l   | 99       |
| 44) Trichloroethene            | 8.83  | 130  | 64778    | 20.689  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 71887    | 19.929  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 41288    | 19.772  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 87866    | 20.504  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 59173    | 18.716  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 10190    | 419.845 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 320829   | 102.289 | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 154442   | 20.311  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 82385    | 19.062  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 96824    | 19.653  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 53539    | 19.423  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 72202    | 19.917  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 99144    | 20.306  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 206680   | 100.143 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 206074   | 95.521  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 58002    | 19.449  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 55799    | 20.322  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 53987    | 19.305  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.43 | 112  | 163869   | 19.708  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 56876    | 20.059  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 285004   | 19.749  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 210478   | 39.917  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 102138   | 20.208  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 162926   | 20.131  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 32540    | 19.437  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.25 | 105  | 267794   | 21.239  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 95796    | 21.331  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 68107    | 22.345  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 59684m   | 22.429  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 63285    | 21.571  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 297350   | 20.164  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 178902   | 20.767  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 208913   | 20.835  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 15976    | 19.472  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 183943   | 20.841  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 186628   | 21.082  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 200702   | 19.939  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 238197   | 19.753  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 199971   | 19.577  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 105883   | 20.321  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 103455   | 19.971  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 139691   | 15.922  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 36355    | 20.094  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 101338   | 20.075  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 9657     | 21.486  | ug/l   | 96       |

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Operator : MD\SY  
Sample : VN1114WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 19 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

Manual Integrations  
APPROVED

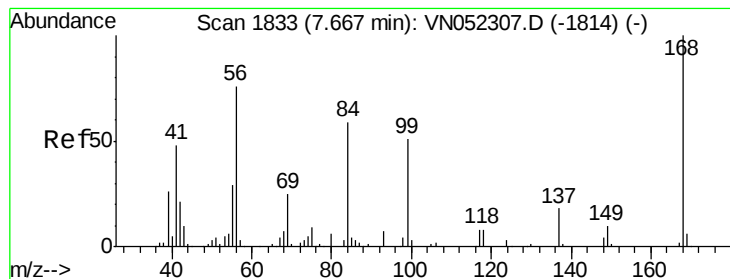
MMDadoda  
11/20/2018 2:53:34 PM

Quant Time: Nov 15 03:38:42 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 15 03:02:37 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 27919    | 13.607 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 19934    | 17.253 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 68571    | 14.313 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 26697    | 13.918 | ug/l  | 95       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN1114WBSD01

Tot Ion:168 Resp: 261677

Ion Ratio Lower Upper

168 100

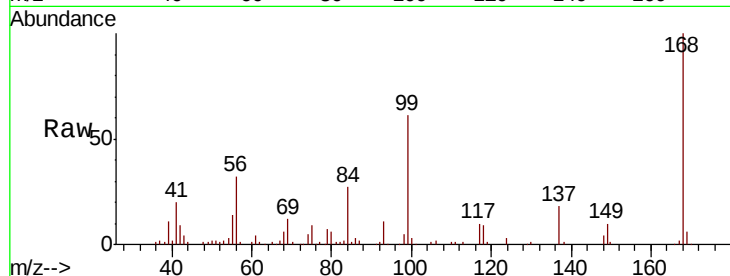
99 60.7 47.9 71.9

Manual Integrations

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11/20/2018 2:53:34 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

120000

100000

80000

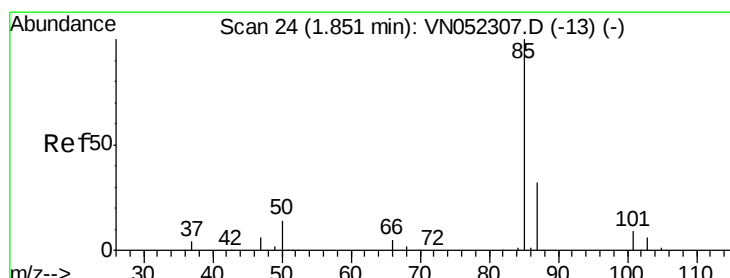
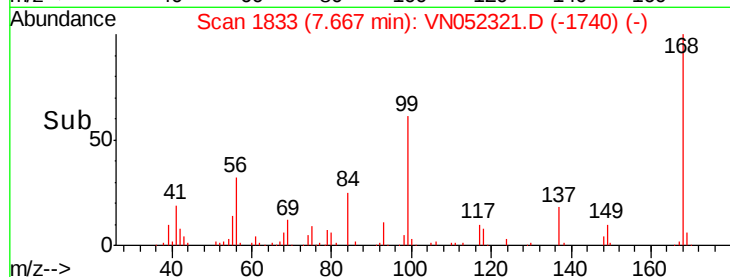
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.764 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052321.D

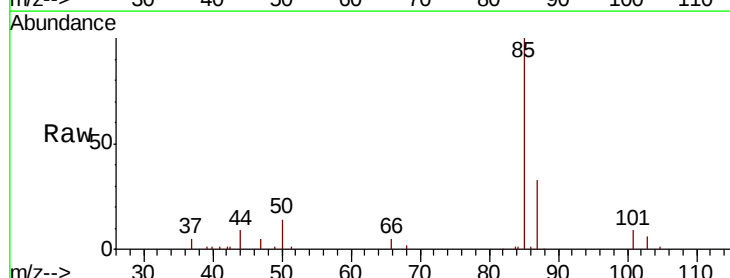
Acq: 14 Nov 2018 18:55

Tgt Ion: 85 Resp: 57575

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

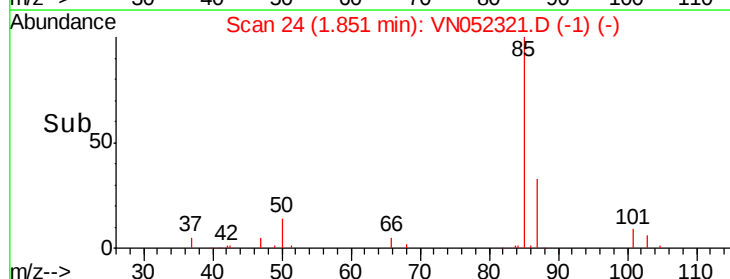
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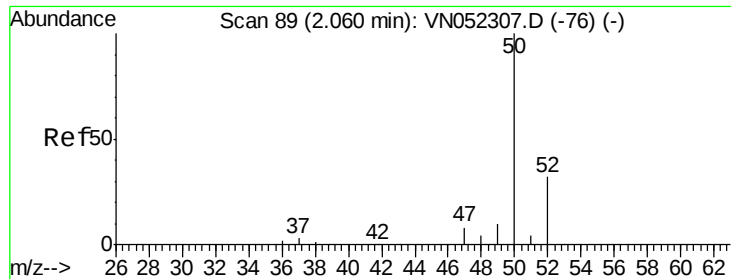
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10000

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Time-->





#3

Chloromethane

Concen: 20.901 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 50 Resp: 80542

Ion Ratio Lower Upper

50 100

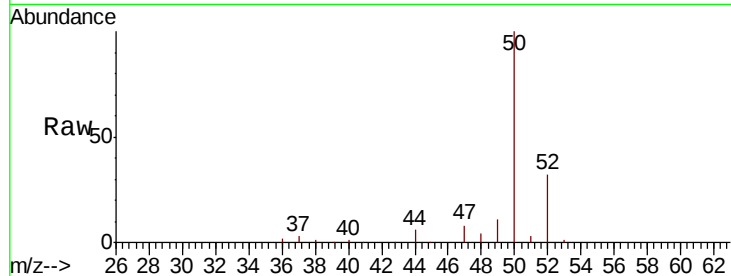
52 31.6 25.5 38.3

Manual Integrations

APPROVED

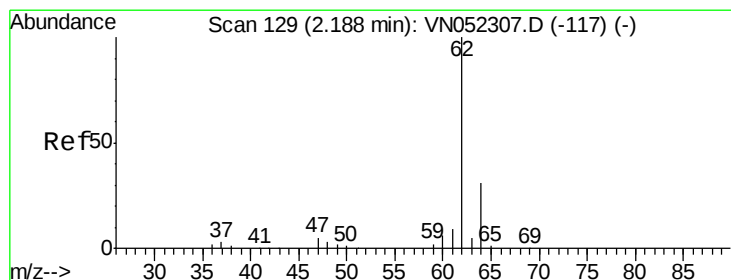
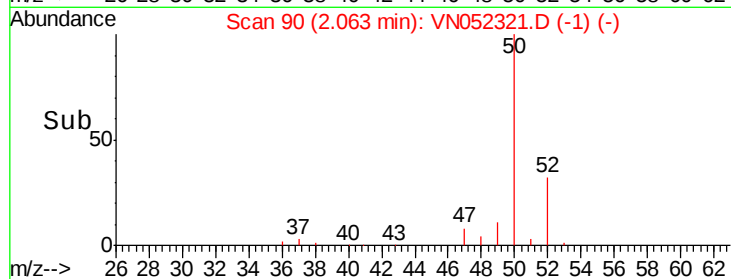
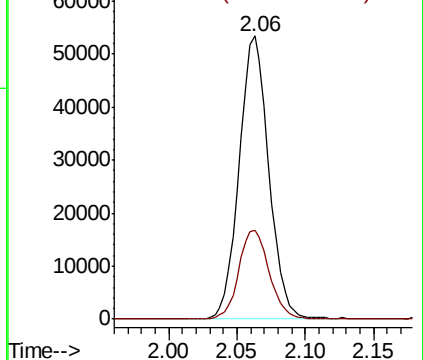
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11/20/2018 2:53:34 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.773 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052321.D

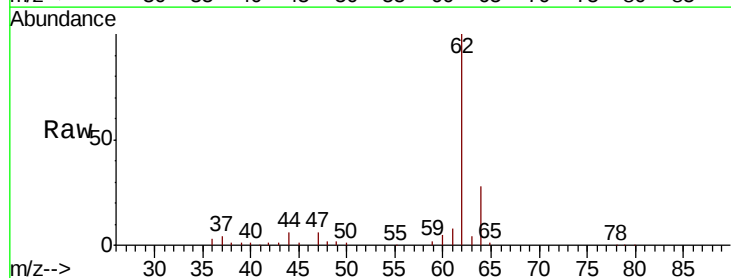
Acq: 14 Nov 2018 18:55

Tgt Ion: 62 Resp: 69195

Ion Ratio Lower Upper

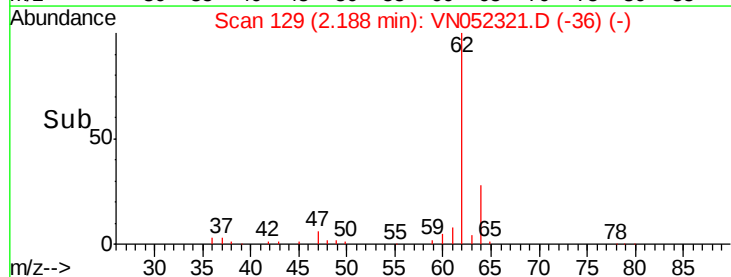
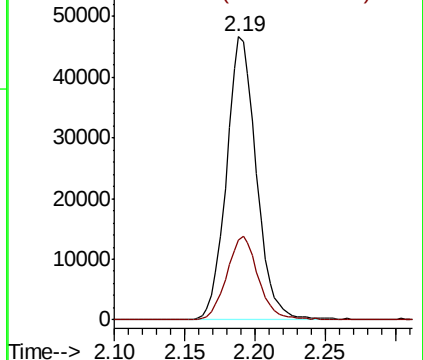
62 100

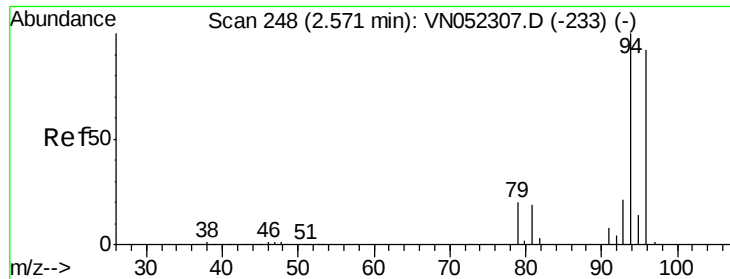
64 28.3 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.339 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 94 Resp: 40160

Ion Ratio Lower Upper

94 100

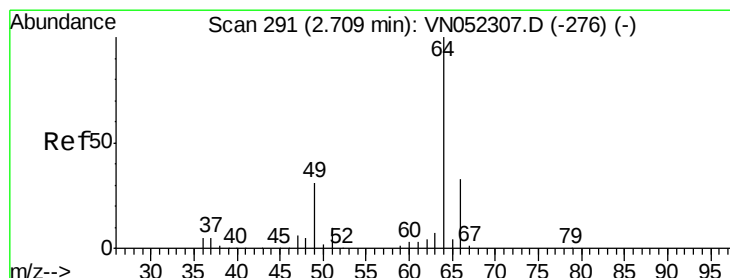
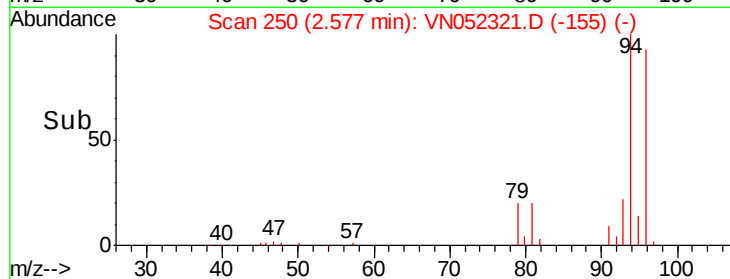
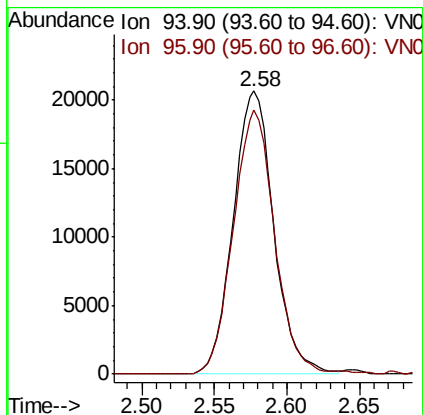
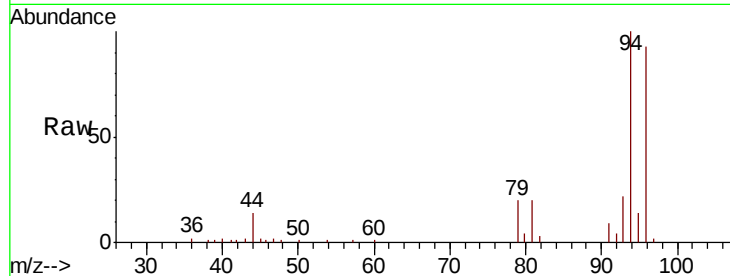
96 93.1 73.6 110.4

Manual Integrations

APPROVED

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11/20/2018 2:53:34 PM



#6

Chloroethane

Concen: 19.539 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052321.D

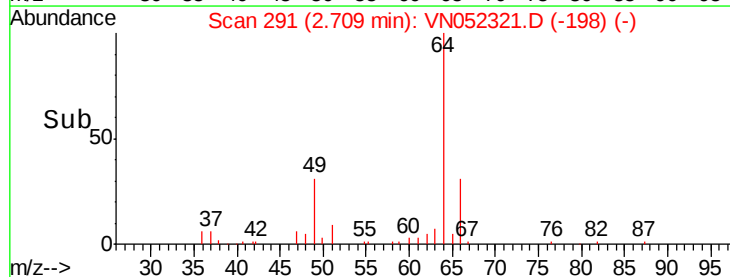
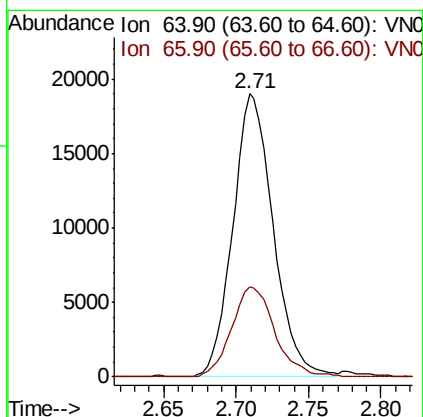
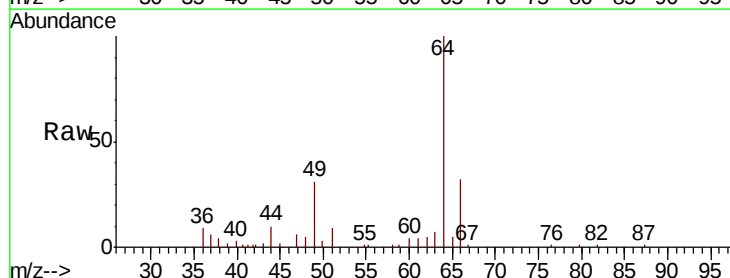
Acq: 14 Nov 2018 18:55

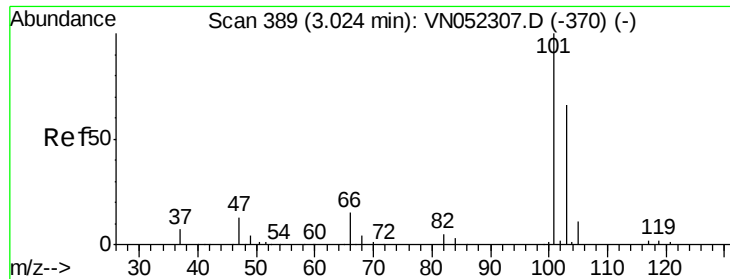
Tgt Ion: 64 Resp: 36798

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.2





#7

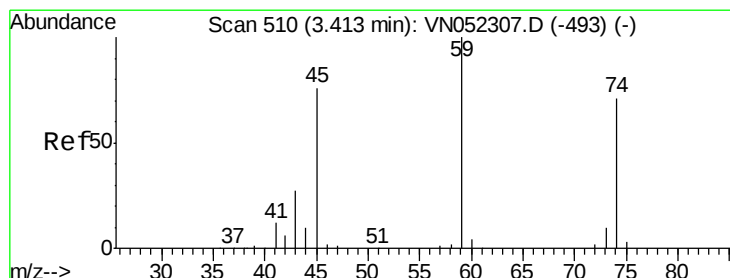
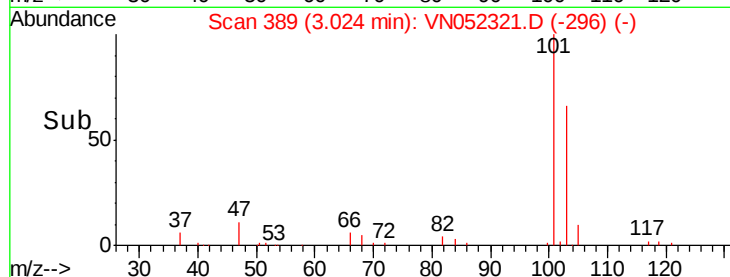
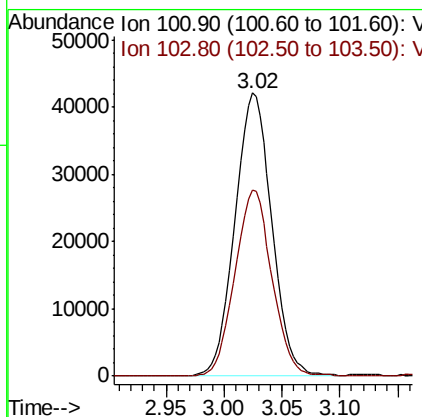
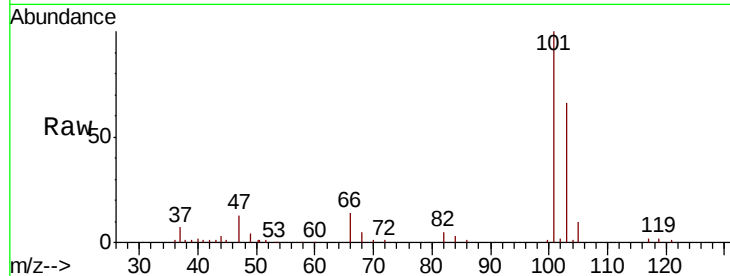
Trichlorofluoromethane  
Concen: 20.159 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.7  | 52.8  | 79.2  |

Manual Integrations  
APPROVED

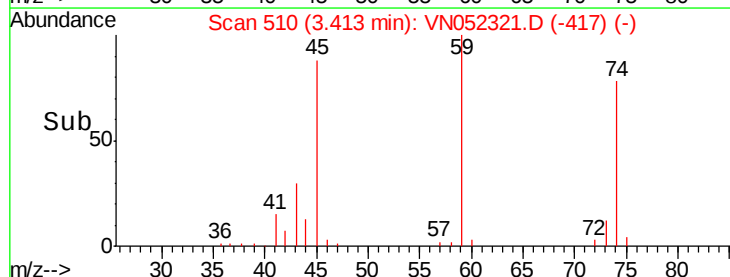
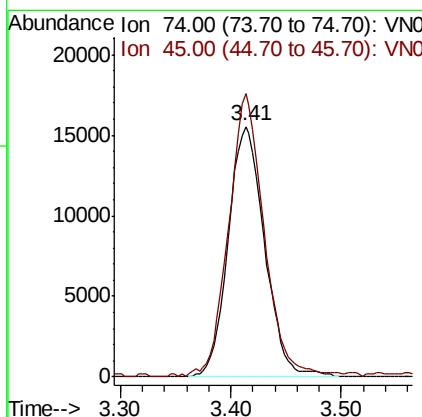
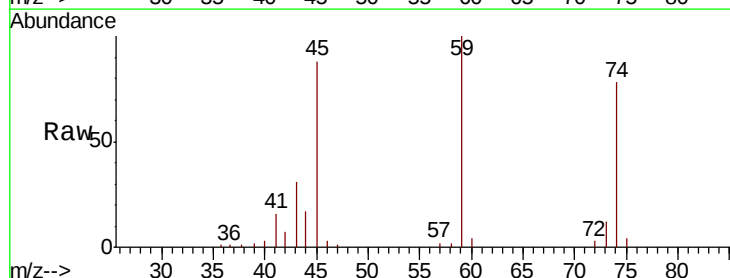
MMDadoda  
11/20/2018 2:53:34 PM

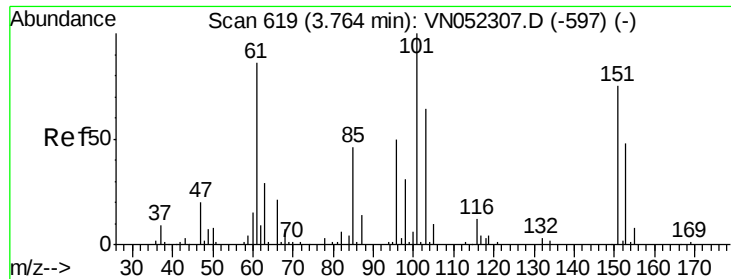


#8

Diethyl Ether  
Concen: 20.242 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 110.1 | 54.3  | 162.9 |





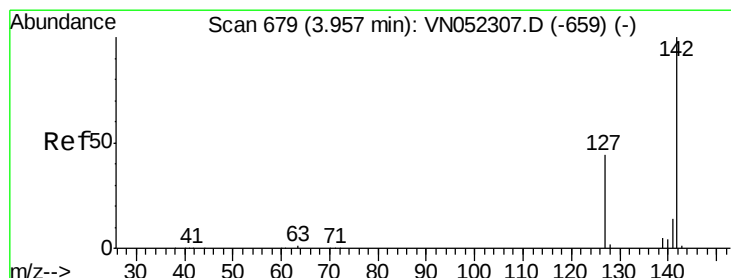
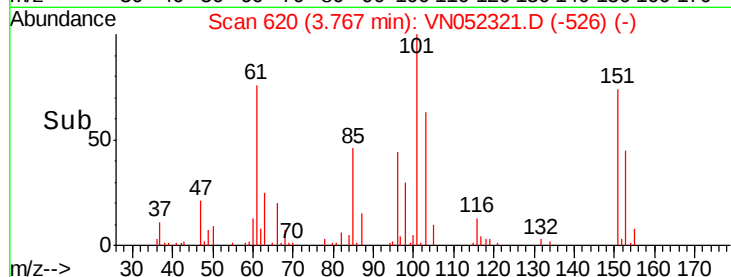
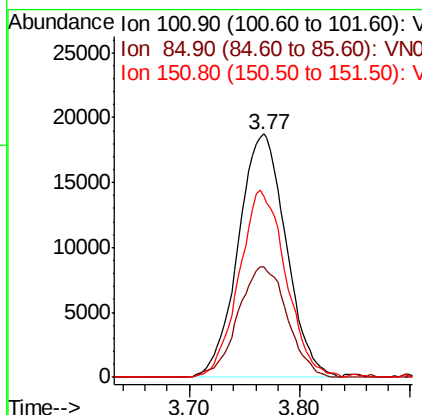
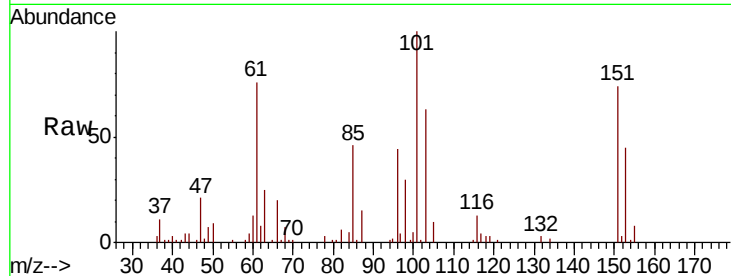
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 19.289 ug/l  
 RT: 3.77 min Scan# 620  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 46.9  | 37.4  | 56.0  |
| 151     | 75.2  | 58.6  | 88.0  |

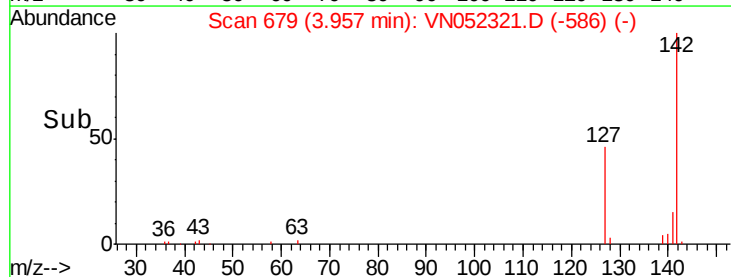
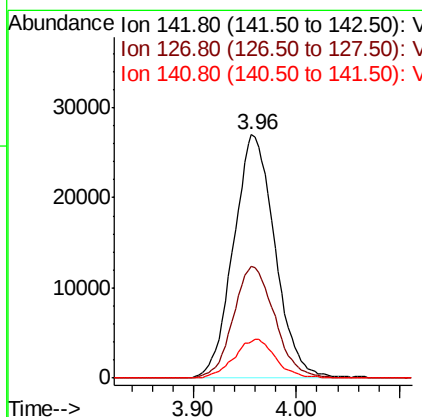
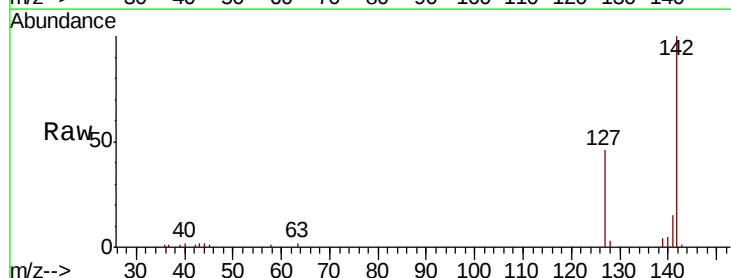
Manual Integrations  
 APPROVED

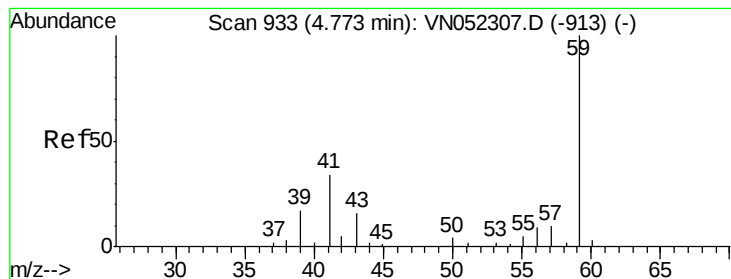
MMDadoda  
 11/20/2018 2:53:34 PM



#10  
 Methyl Iodide  
 Concen: 19.259 ug/l  
 RT: 3.96 min Scan# 679  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 45.8  | 36.3  | 54.5  |
| 141     | 15.9  | 11.4  | 17.2  |





#11

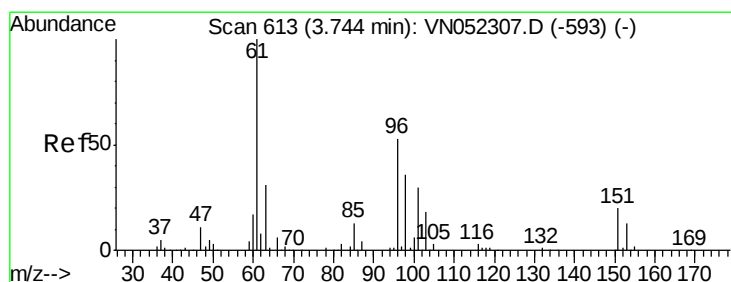
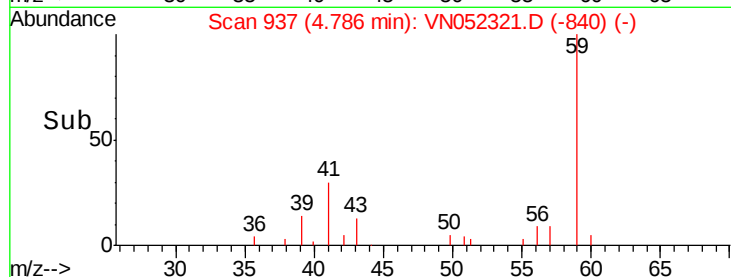
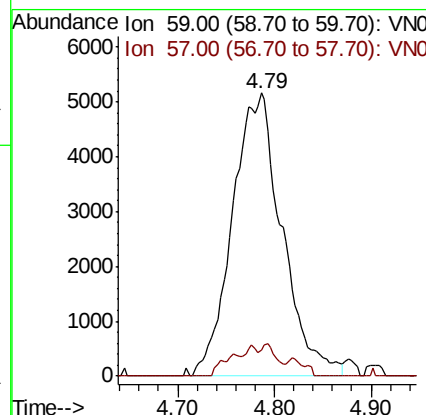
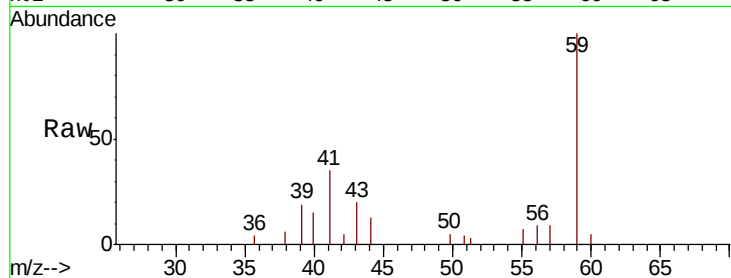
Tert butyl alcohol  
 Concen: 94.348 ug/l  
 RT: 4.79 min Scan# 937  
 Delta R.T. 0.01 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 0.0   | 8.5   | 12.7# |

Manual Integrations  
 APPROVED

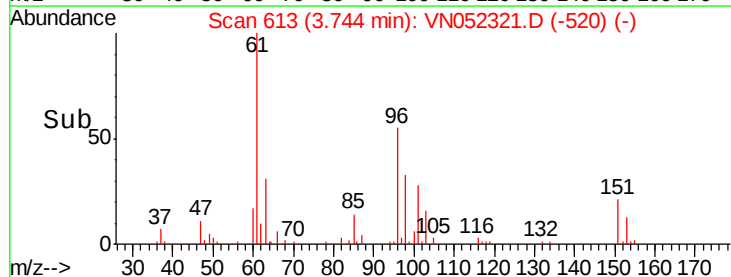
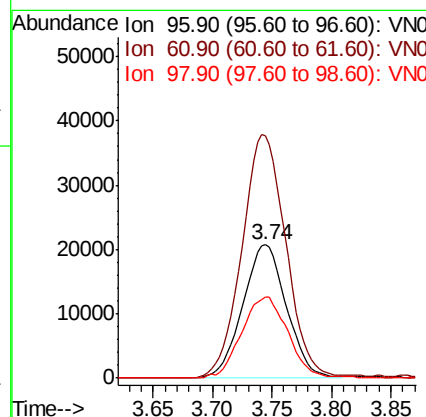
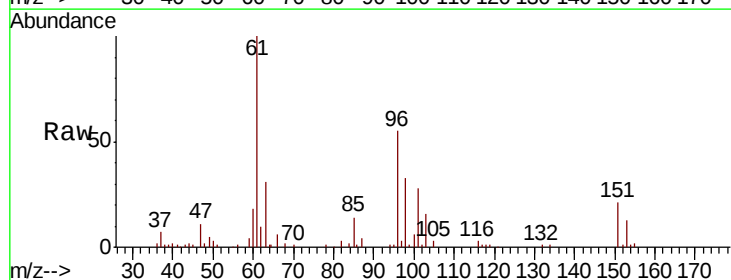
MMDadoda  
 11/20/2018 2:53:34 PM

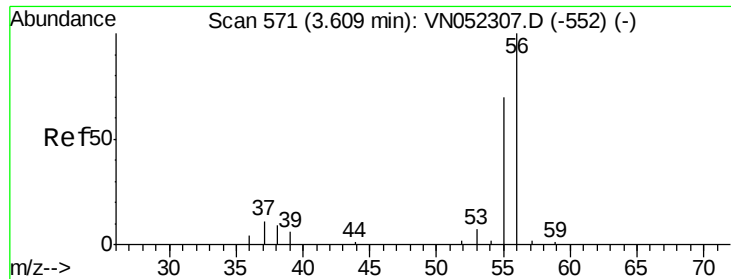


#12

1,1-Dichloroethene  
 Concen: 19.602 ug/l  
 RT: 3.74 min Scan# 613  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 182.0 | 149.6 | 224.4 |
| 98      | 61.0  | 54.2  | 81.2  |





#13

Acrolein

Concen: 99.373 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 56 Resp: 25025

Ion Ratio Lower Upper

56 100

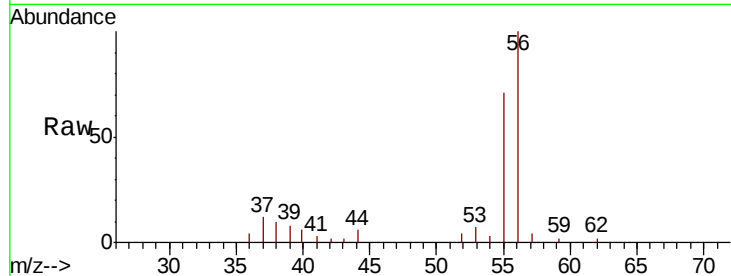
55 73.3 57.6 86.4

Manual Integrations

APPROVED

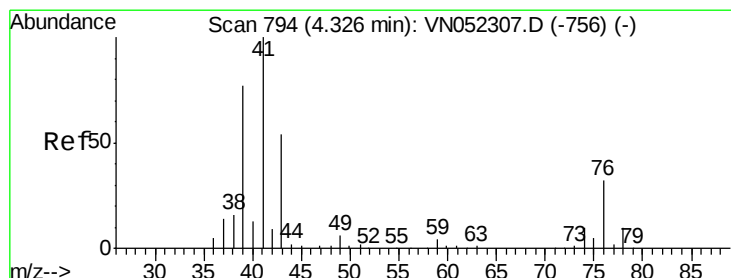
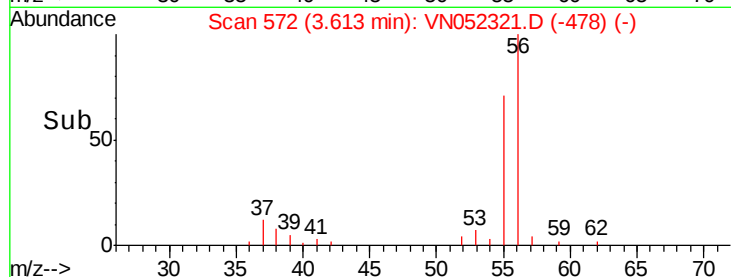
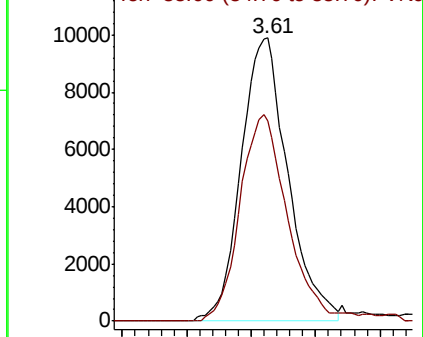
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.798 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

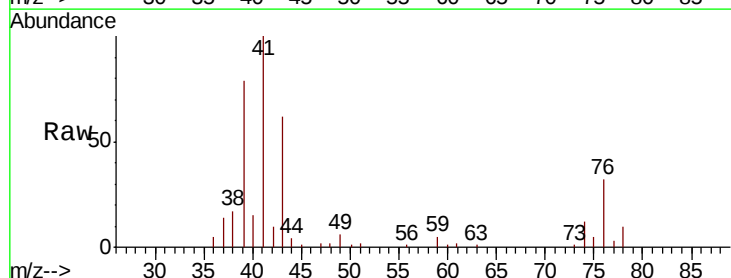
Tgt Ion: 41 Resp: 109503

Ion Ratio Lower Upper

41 100

39 74.3 59.1 88.7

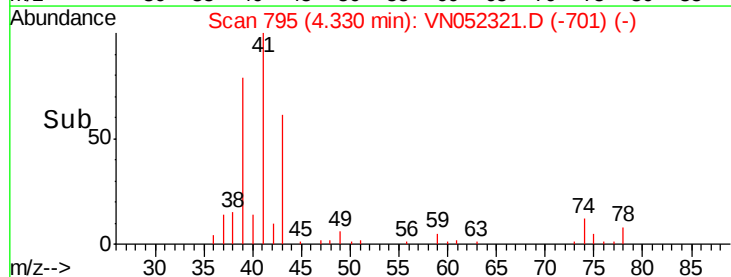
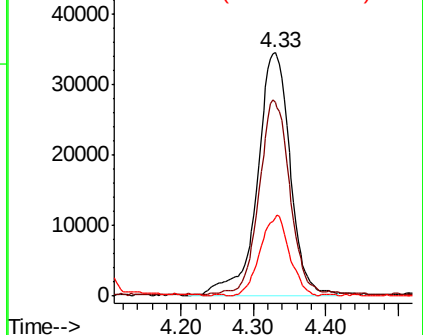
76 29.5 24.1 36.1

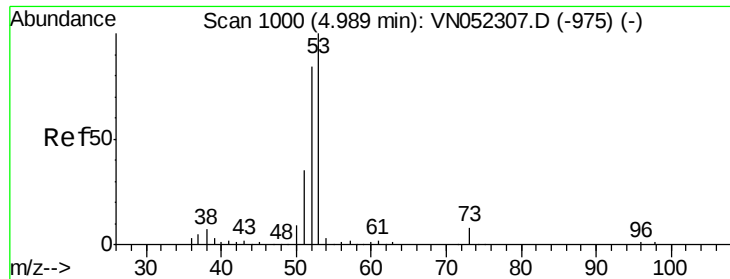


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





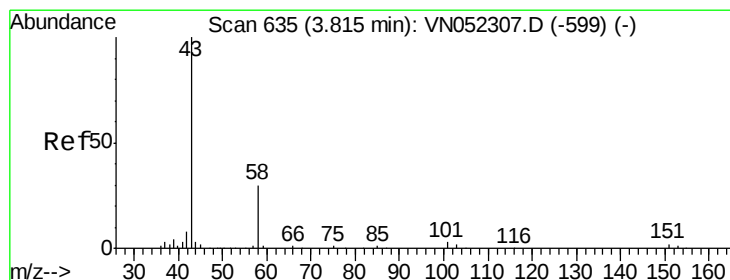
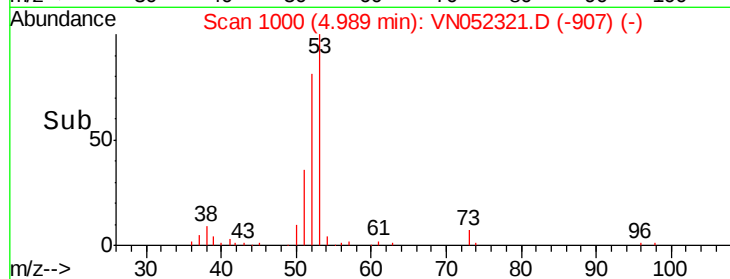
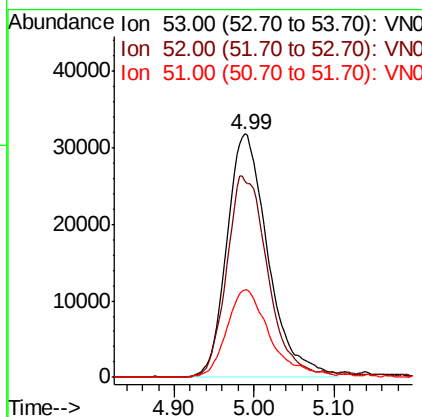
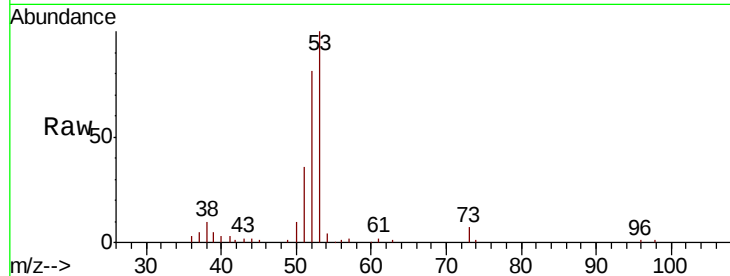
#15  
 Acrylonitrile  
 Concen: 100.201 ug/l  
 RT: 4.99 min Scan# 1000  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 81.9  | 67.5  | 101.3 |
| 51      | 37.9  | 29.9  | 44.9  |

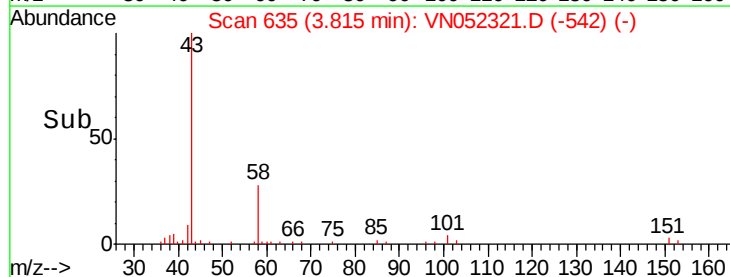
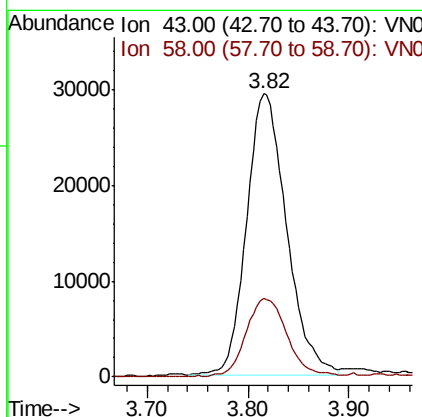
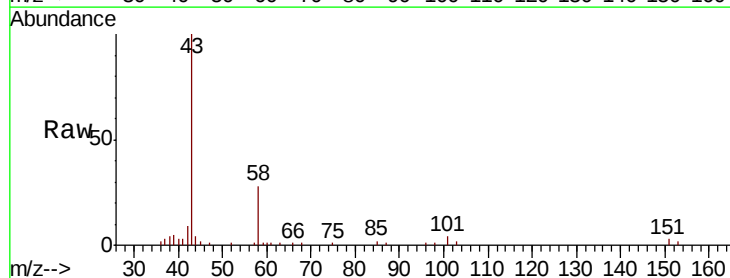
Manual Integrations  
 APPROVED

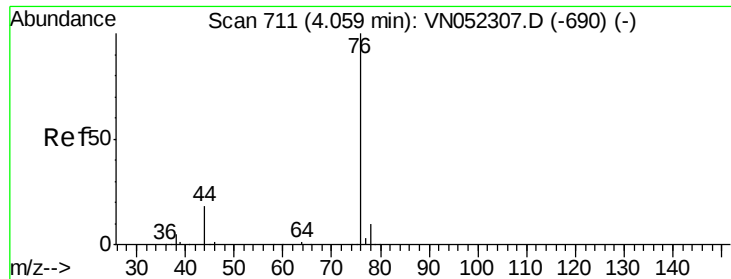
MMDadoda  
 11/20/2018 2:53:34 PM



#16  
 Acetone  
 Concen: 79.031 ug/l  
 RT: 3.82 min Scan# 635  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 27.8  | 24.2  | 36.4  |





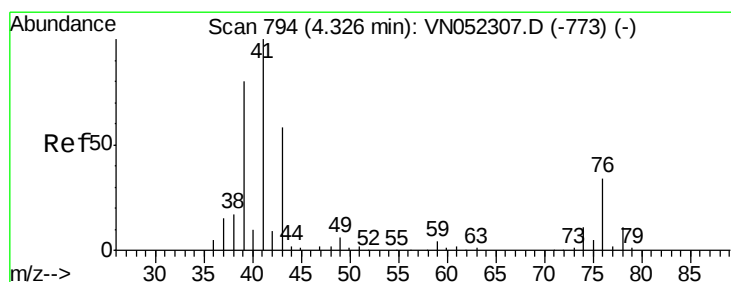
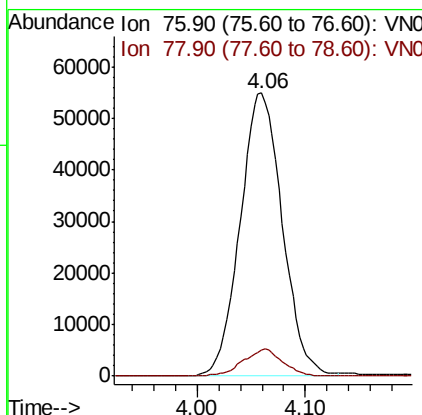
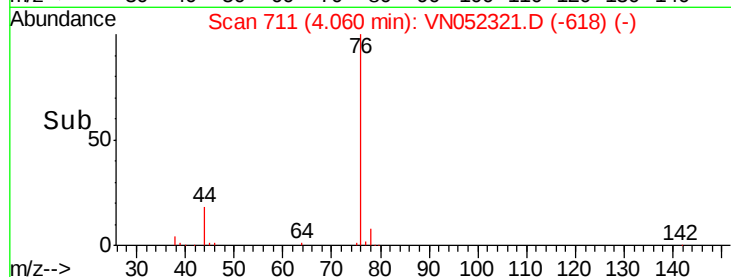
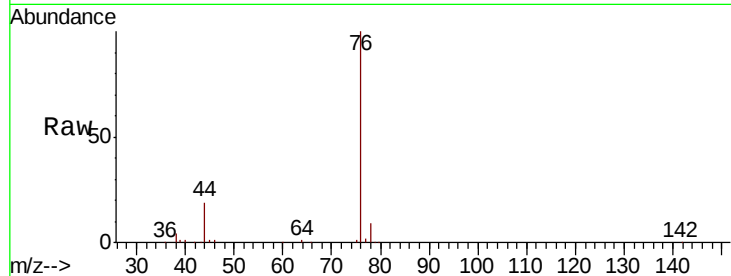
#17  
Carbon Disulfide  
Concen: 19.303 ug/l  
RT: 4.06 min Scan# 711  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.7   | 11.5  |

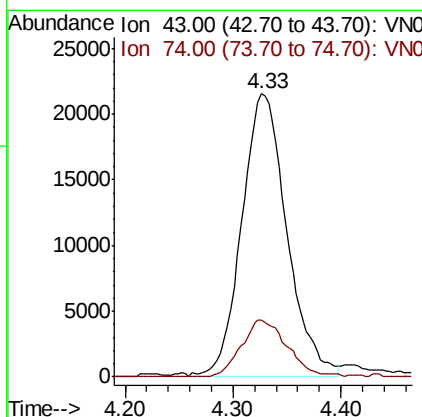
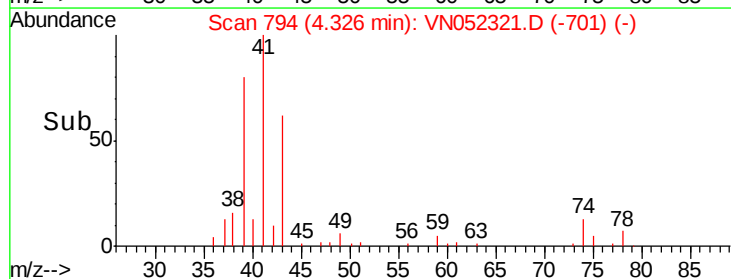
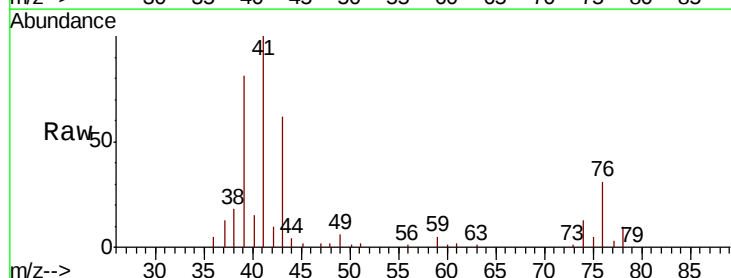
Manual Integrations  
APPROVED

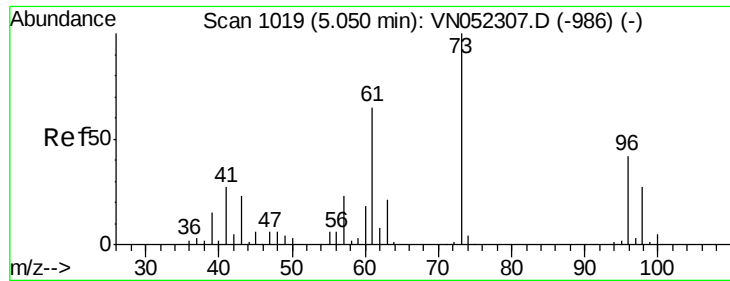
MMDadoda  
11/20/2018 2:53:34 PM



#18  
Methyl Acetate  
Concen: 22.249 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.0  | 15.9  | 23.9  |





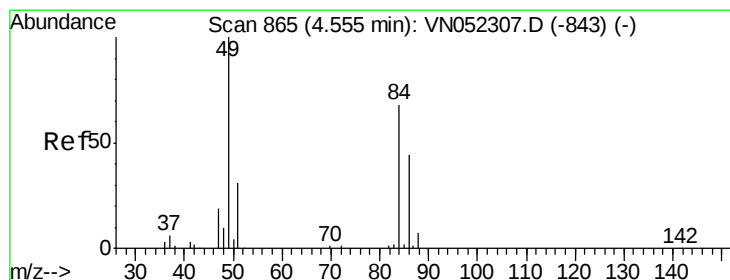
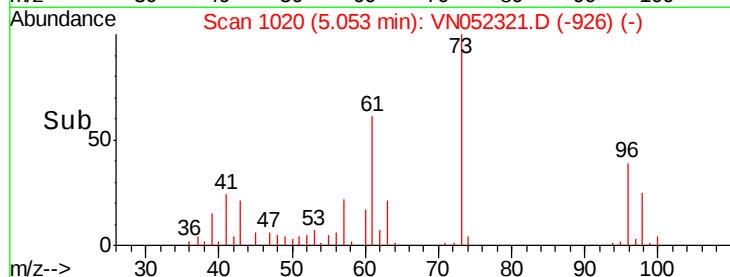
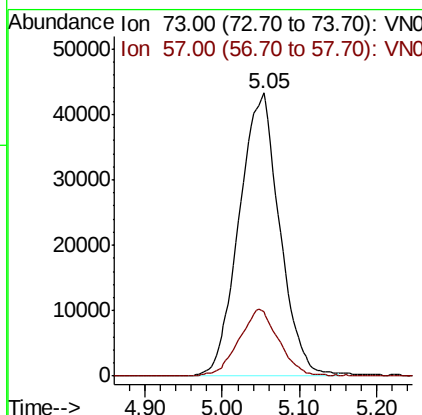
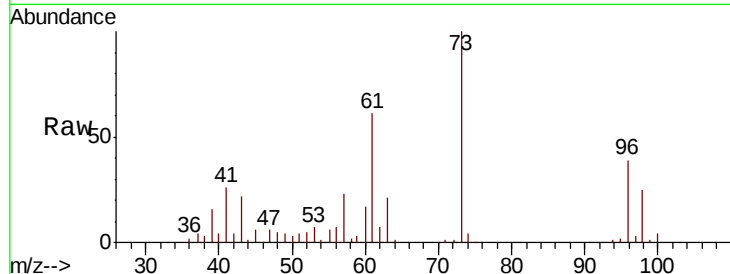
#19  
Methvl tert-butvl Ether  
Concen: 20.433 ug/l  
RT: 5.05 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

Tot Ion: 73 Resp: 158171  
Ion Ratio Lower Upper  
73 100  
57 22.6 18.7 28.1

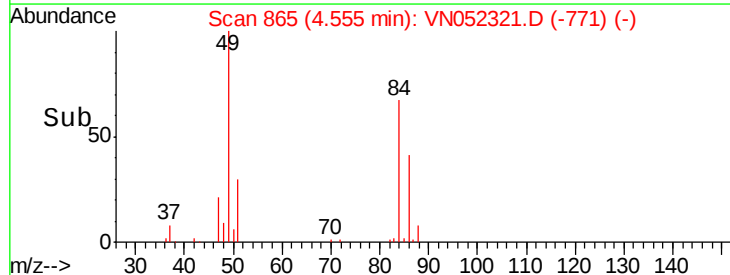
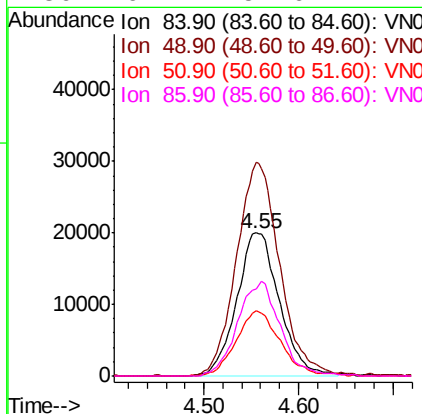
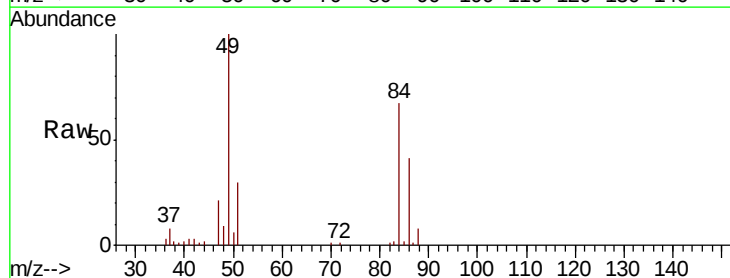
Manual Integrations  
APPROVED

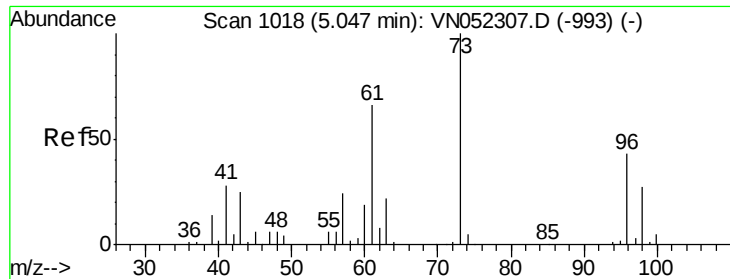
MMDadoda  
11/20/2018 2:53:34 PM



#20  
Methylene Chloride  
Concen: 19.813 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Tgt Ion: 84 Resp: 62647  
Ion Ratio Lower Upper  
84 100  
49 149.3 118.2 177.2  
51 45.3 36.1 54.1  
86 61.2 51.6 77.4





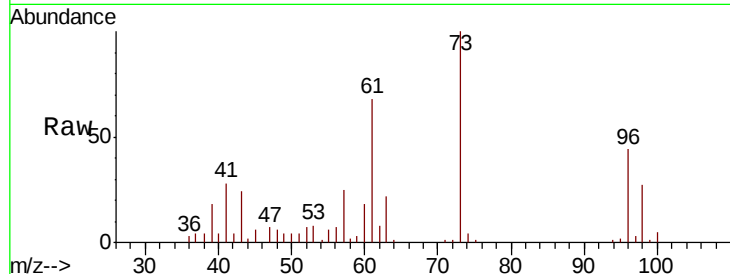
#21  
trans-1,2-Dichloroethene  
Concen: 19.989 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 155.4 | 123.6 | 185.4 |
| 98      | 62.0  | 50.7  | 76.1  |

Manual Integrations  
APPROVED

MMDadoda  
11/20/2018 2:53:34 PM

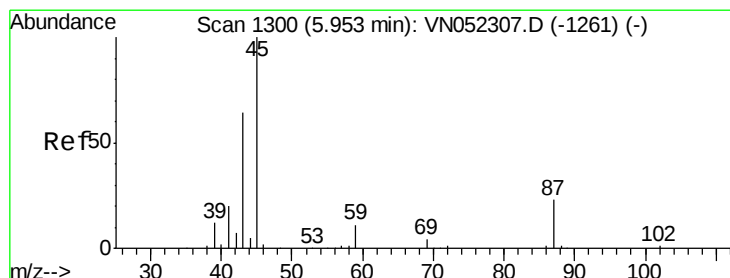
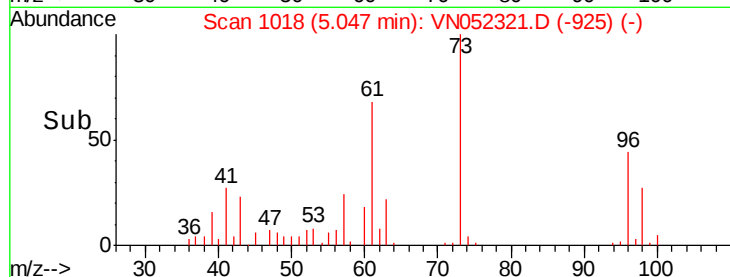
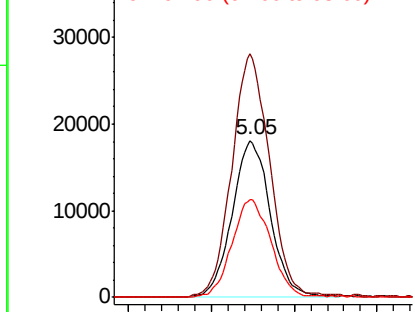


Abundance

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: 20.335 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 65.8  | 51.4  | 77.2  |
| 87      | 23.0  | 18.8  | 28.2  |
| 59      | 10.4  | 8.6   | 12.8  |

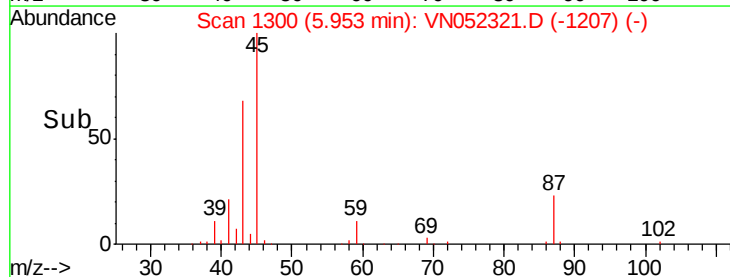
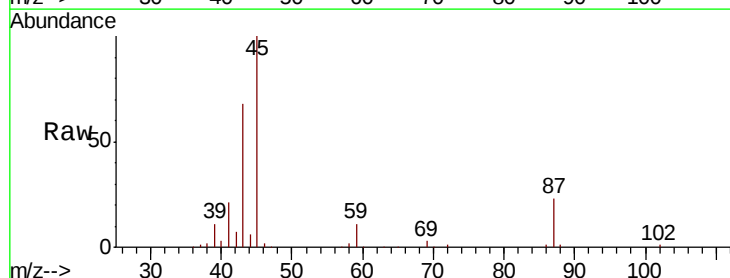
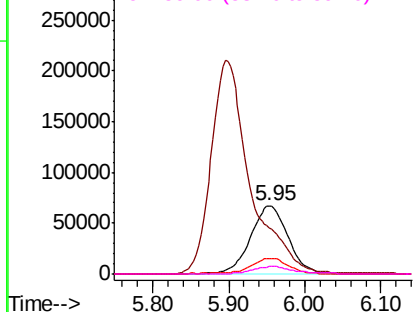
Abundance

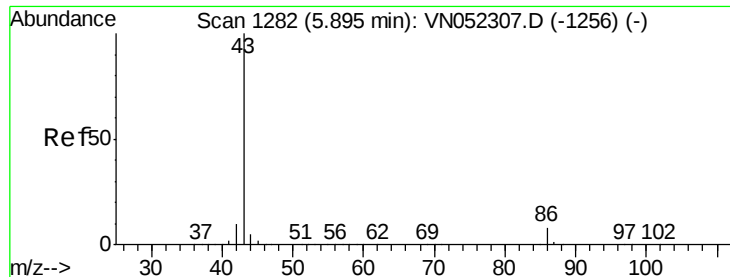
Ion 45.00 (44.70 to 45.70): VNC

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





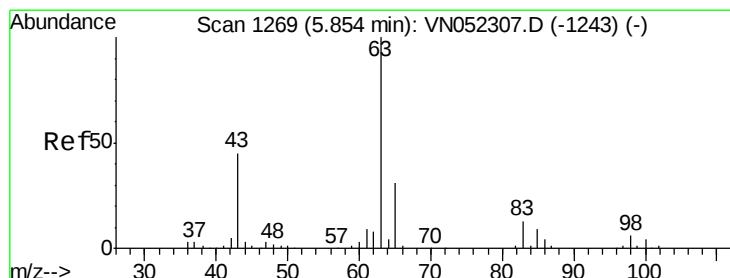
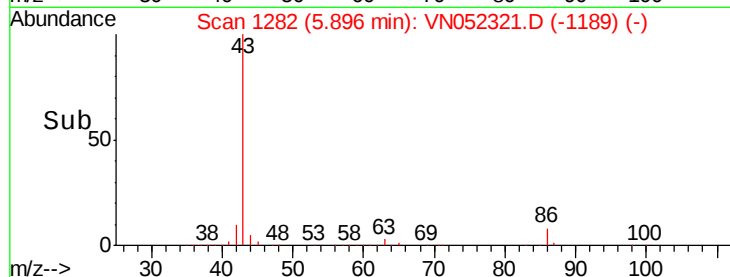
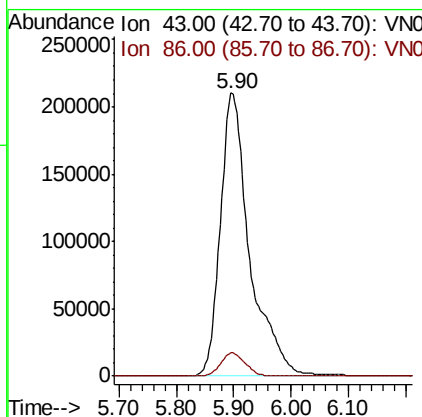
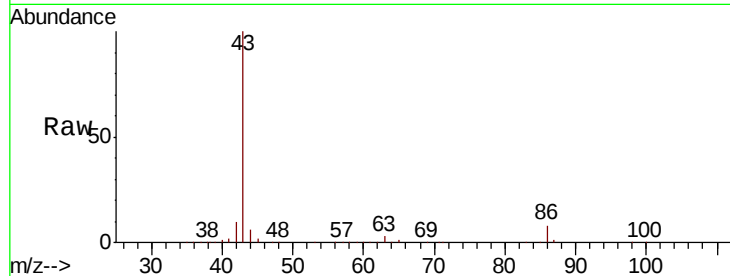
#23  
 Vinyl Acetate  
 Concen: 97.961 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

| Tot Ion   | 43  | Resp  | 749957 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 43        | 100 |       |        |
| 86        | 8.2 | 6.5   | 9.7    |

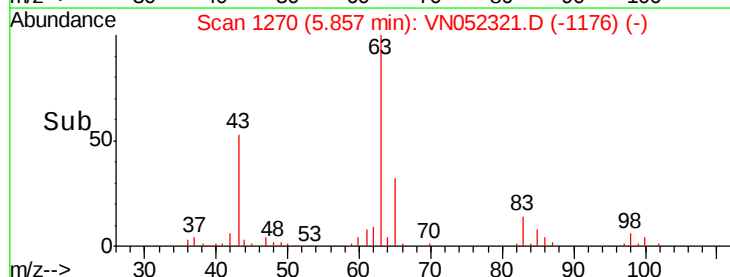
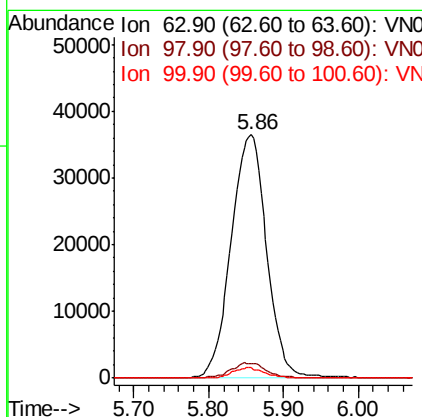
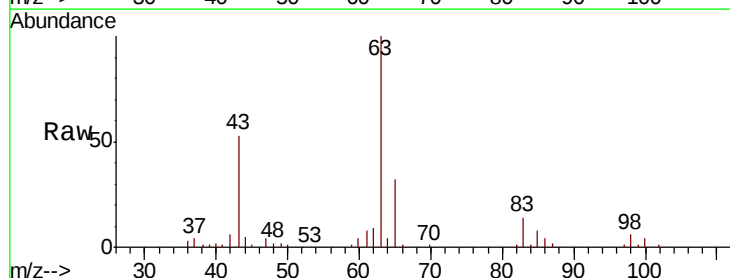
Manual Integrations  
 APPROVED

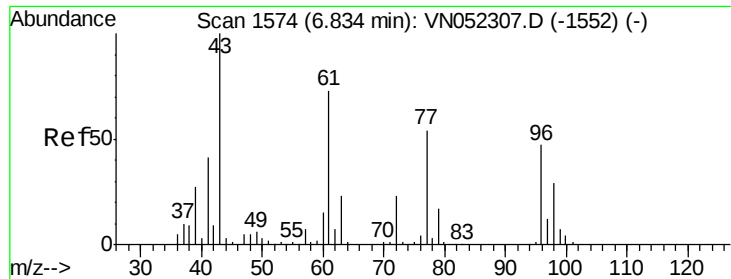
MMDadoda  
 11/20/2018 2:53:34 PM



#24  
 1,1-Dichloroethane  
 Concen: 19.872 ug/l  
 RT: 5.86 min Scan# 1270  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

| Tgt Ion   | 63  | Resp  | 120258 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 63        | 100 |       |        |
| 98        | 5.8 | 2.9   | 8.6    |
| 100       | 4.1 | 1.9   | 5.7    |





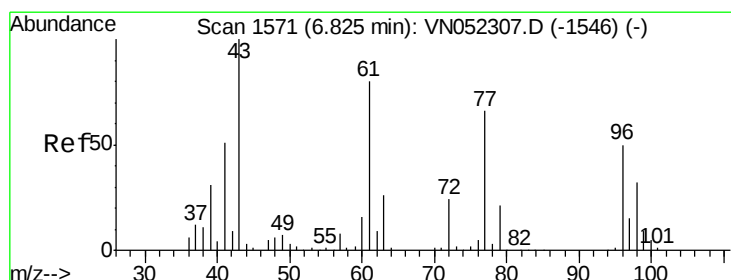
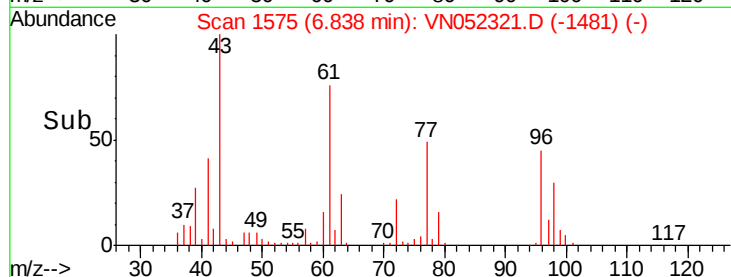
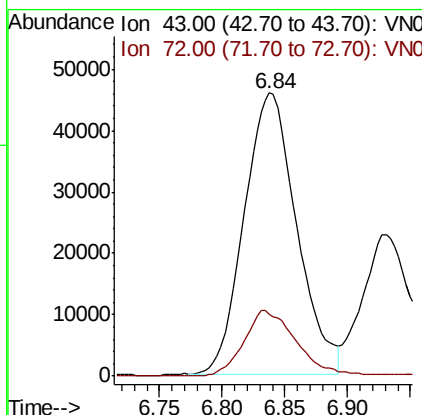
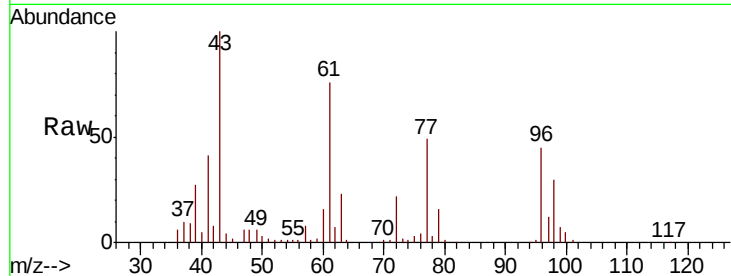
#25  
2-Butanone  
Concen: 93.350 ug/l  
RT: 6.84 min Scan# 1575  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

Tot Ion: 43 Resp: 133708  
Ion Ratio Lower Upper  
43 100  
72 22.1 18.6 27.8

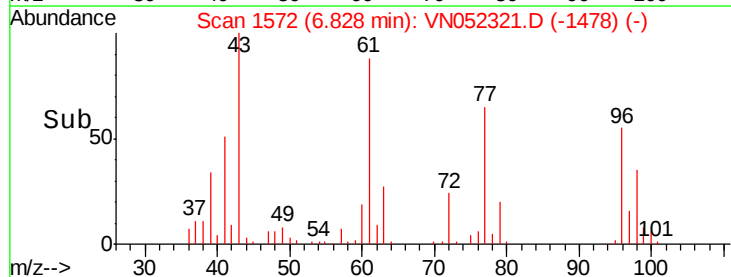
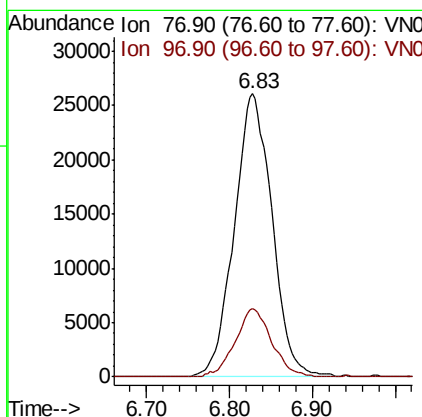
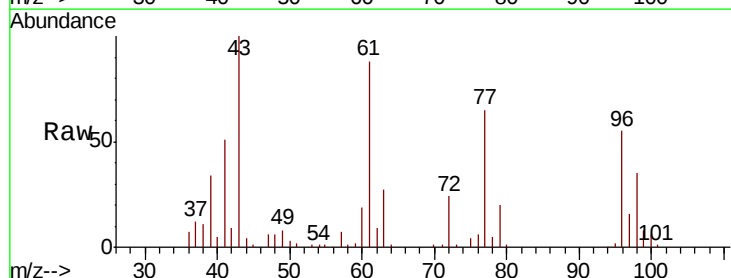
Manual Integrations  
APPROVED

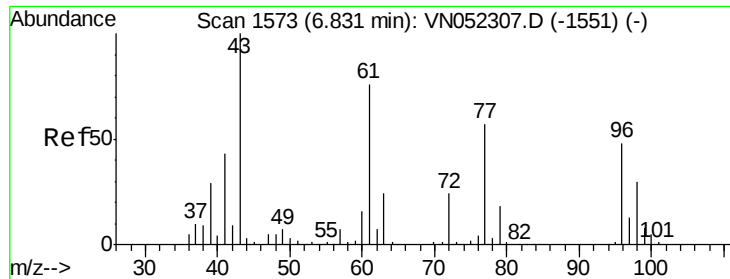
MMDadoda  
11/20/2018 2:53:34 PM



#26  
2,2-Dichloropropane  
Concen: 18.555 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Tgt Ion: 77 Resp: 82566  
Ion Ratio Lower Upper  
77 100  
97 23.2 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 19.403 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

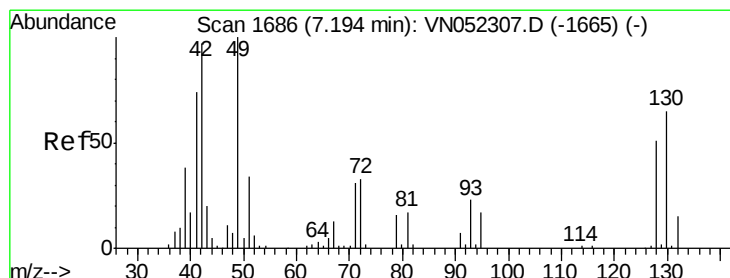
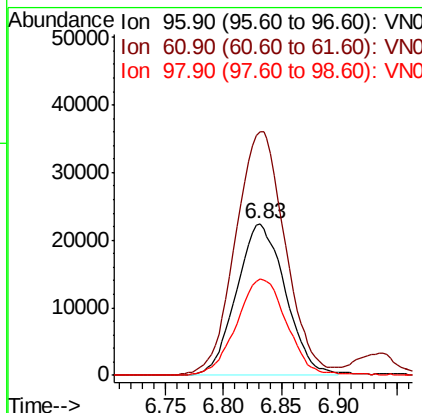
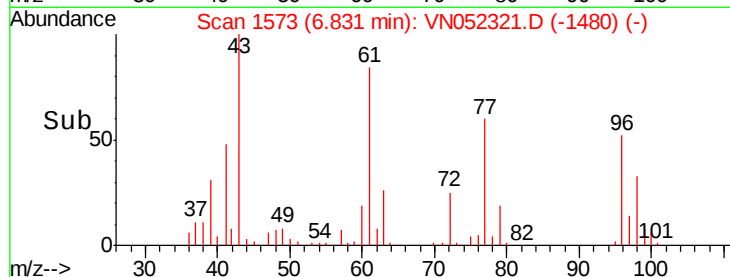
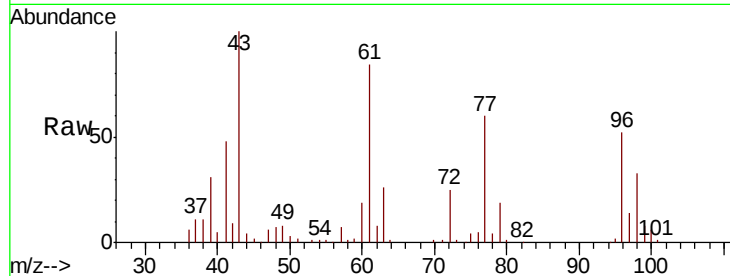
ClientSampleId :

VN1114WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 65508 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 164.2 | 0.0   | 316.8 |
| 98       | 64.8  | 0.0   | 126.6 |

Manual Integrations  
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11/20/2018 2:53:34 PM



#28

Bromochloromethane

Concen: 19.830 ug/l

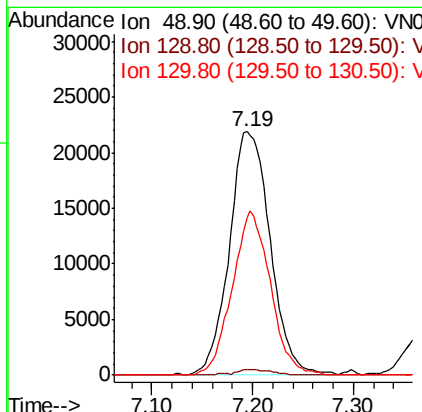
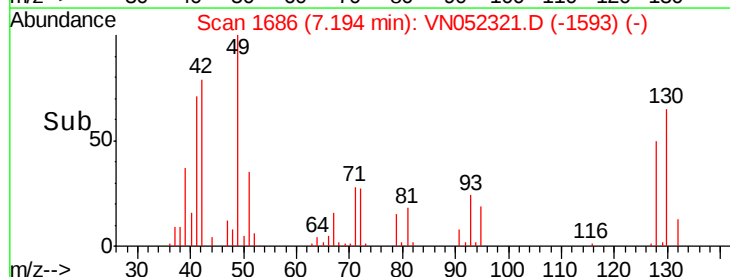
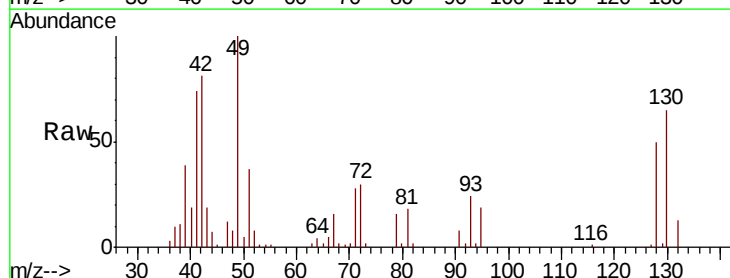
RT: 7.19 min Scan# 1686

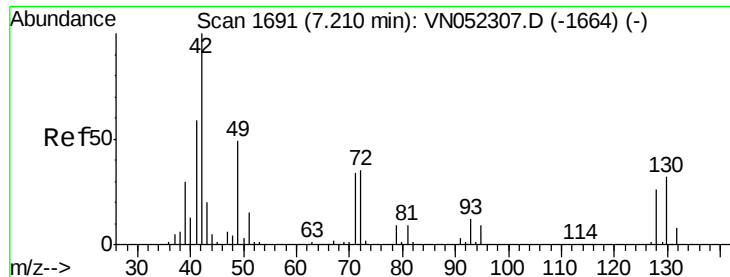
Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 61703 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.9   | 0.0   | 3.0   |
| 130      | 62.7  | 50.4  | 75.6  |





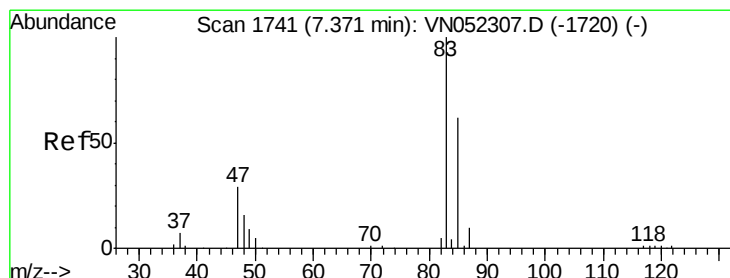
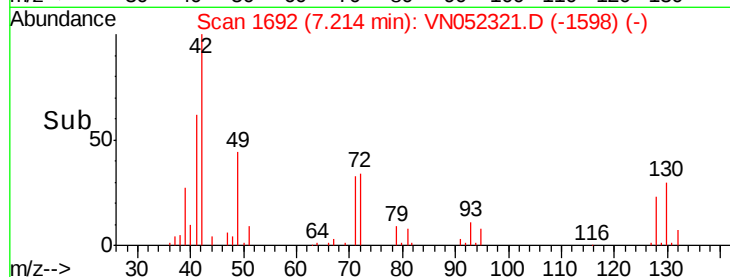
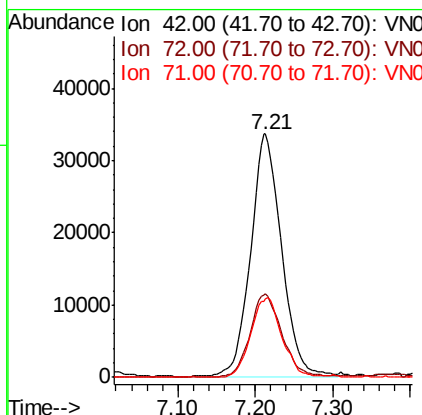
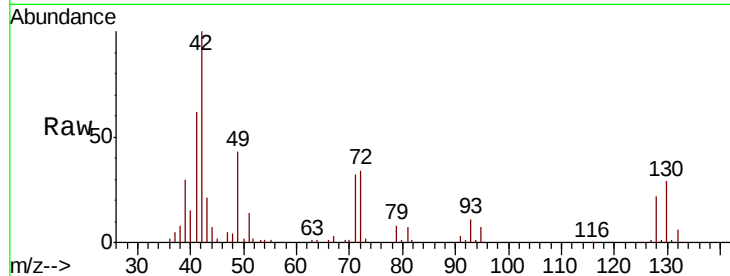
#29  
Tetrahydrofuran  
Concen: 101.186 ug/l  
RT: 7.21 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 35.1  | 28.6  | 42.8  |
| 71      | 32.4  | 26.7  | 40.1  |

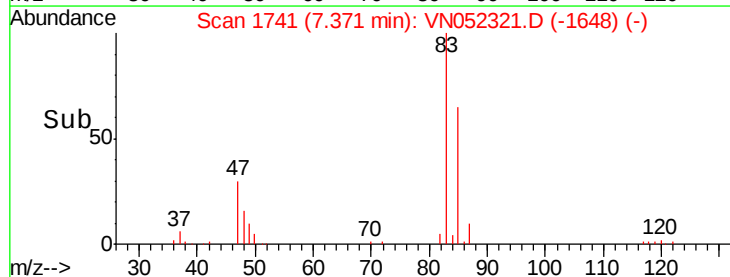
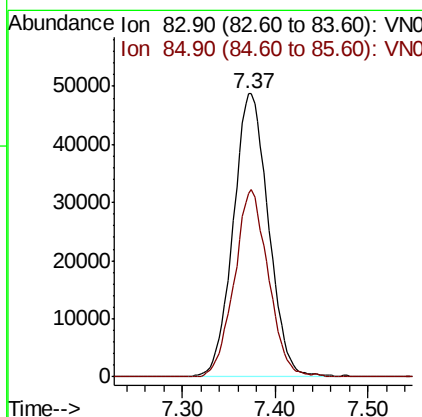
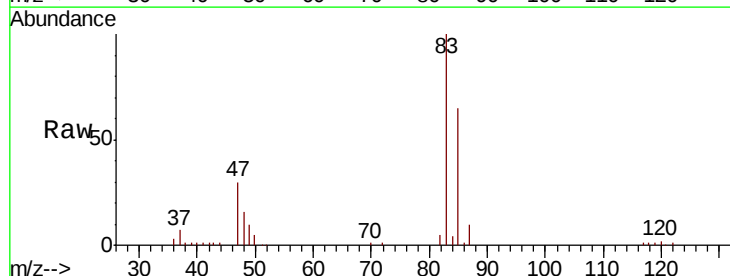
Manual Integrations  
APPROVED

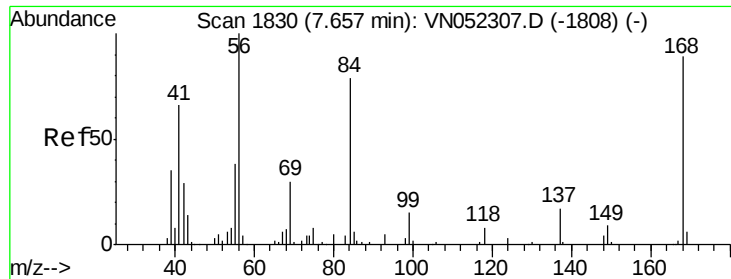
MMDadoda  
11/20/2018 2:53:34 PM



#30  
Chloroform  
Concen: 22.273 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.9  | 49.4  | 74.2  |





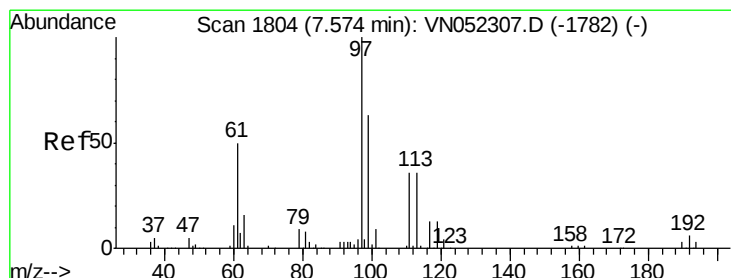
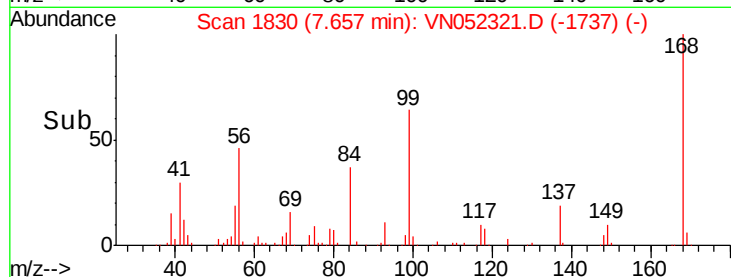
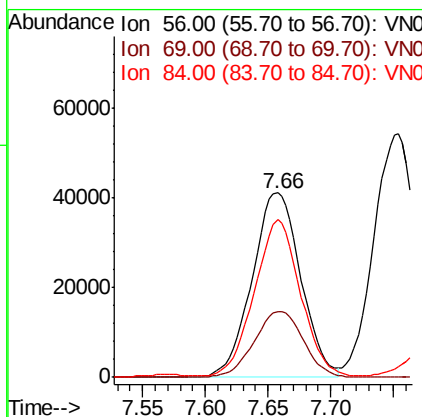
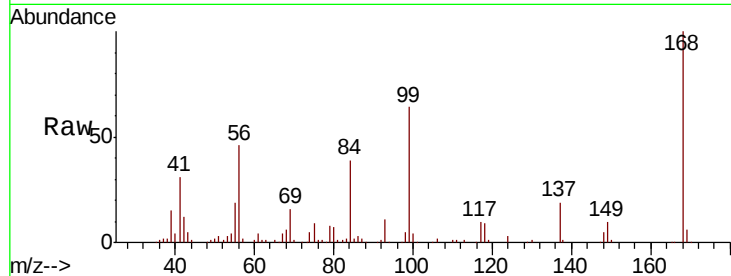
#31  
Cyclohexane  
Concen: 19.120 ug/l  
RT: 7.66 min Scan# 1830  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 35.8  | 23.8  | 35.8# |
| 84      | 84.5  | 63.0  | 94.6  |

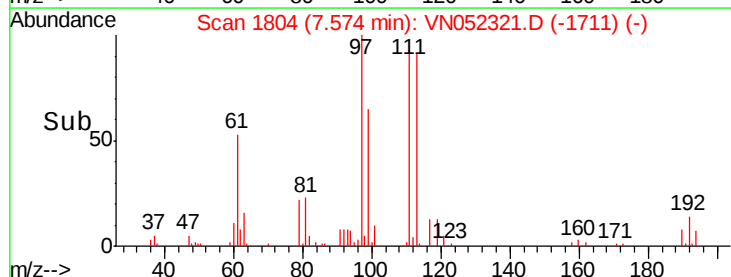
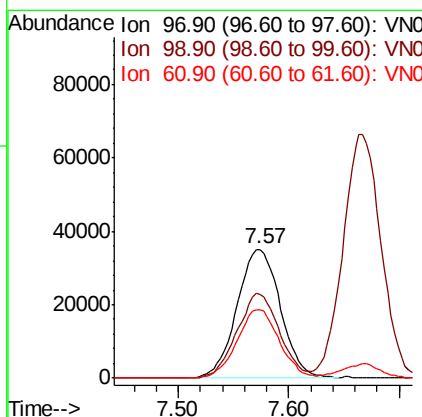
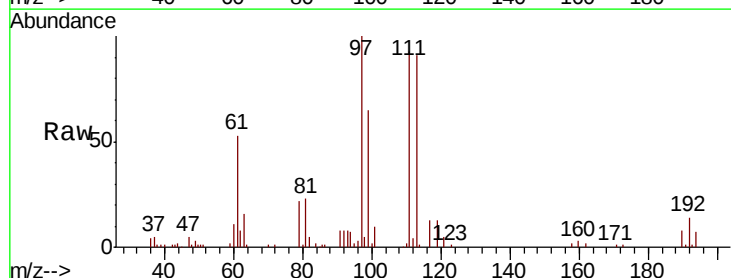
Manual Integrations  
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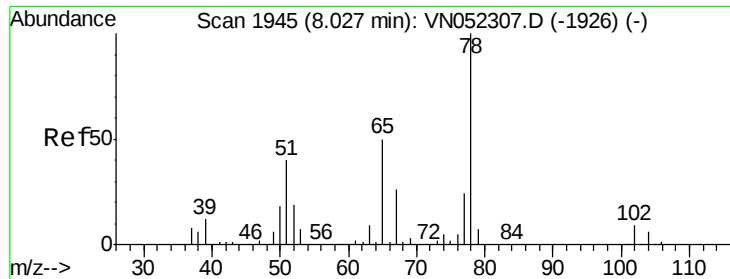
MMDadoda  
11/20/2018 2:53:34 PM



#32  
1,1,1-Trichloroethane  
Concen: 19.497 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.4  | 50.2  | 75.2  |
| 61      | 51.7  | 40.2  | 60.4  |





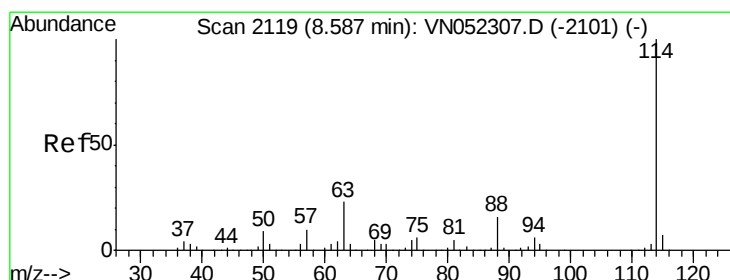
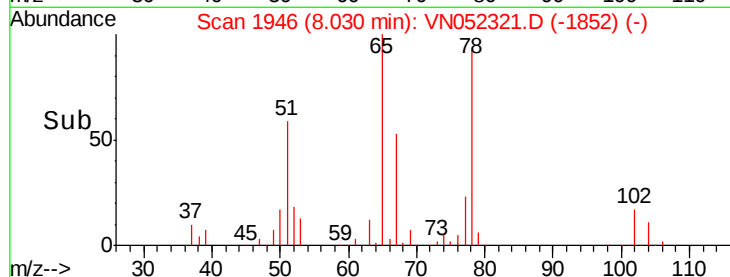
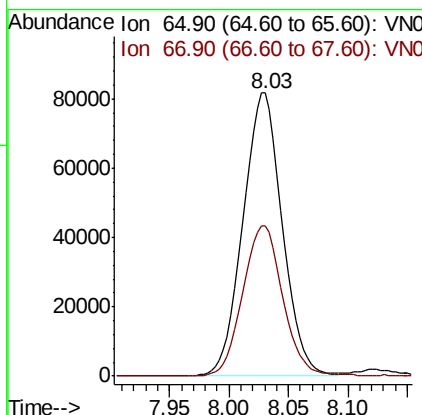
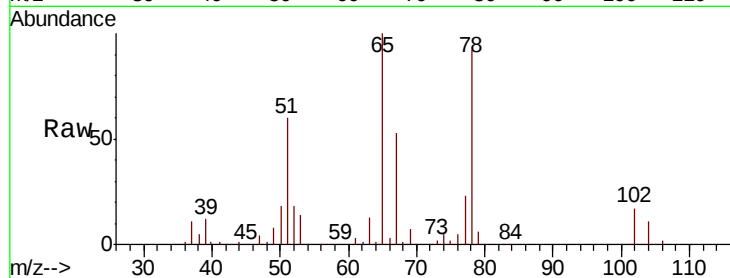
#33  
 1,2-Dichloroethane-d4  
 Concen: 19.497 ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 187168 |       |       |
| 67      | 54.1  | 0.0    | 105.2 |       |

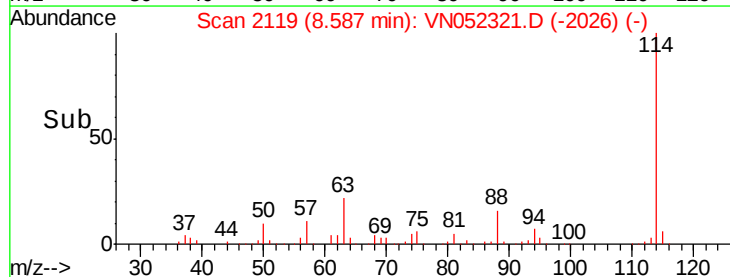
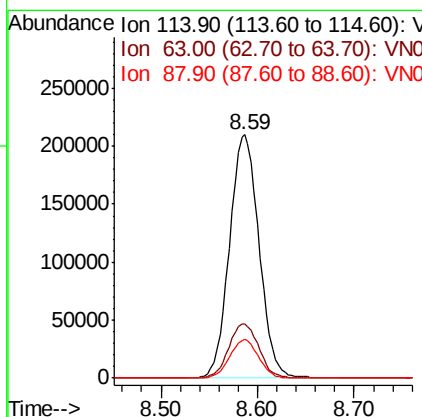
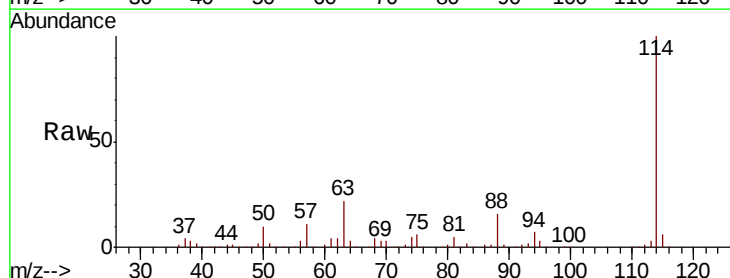
Manual Integrations  
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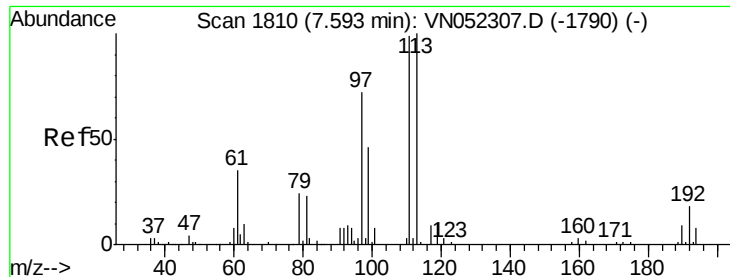
MMDadoda  
 11/20/2018 2:53:34 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 443908 |       |       |
| 63      | 22.3  | 0.0    | 45.4  |       |
| 88      | 15.9  | 0.0    | 31.2  |       |





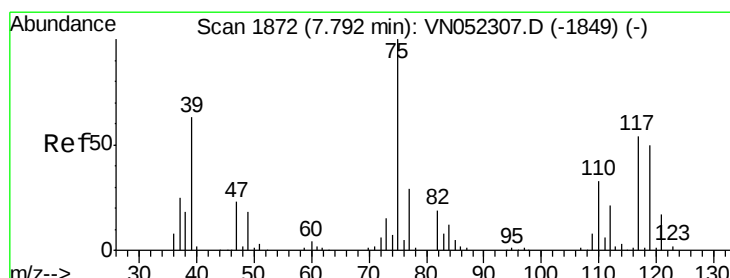
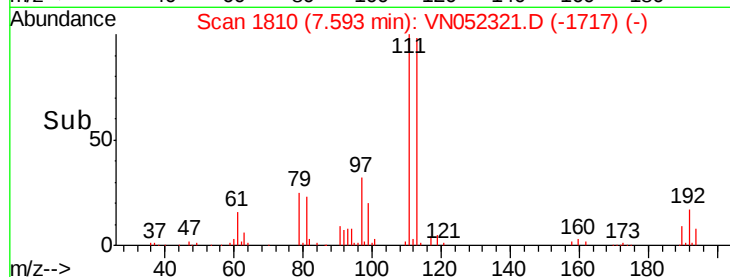
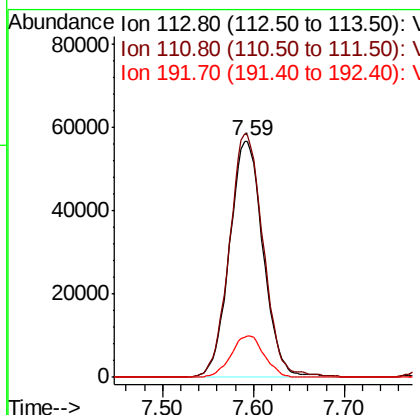
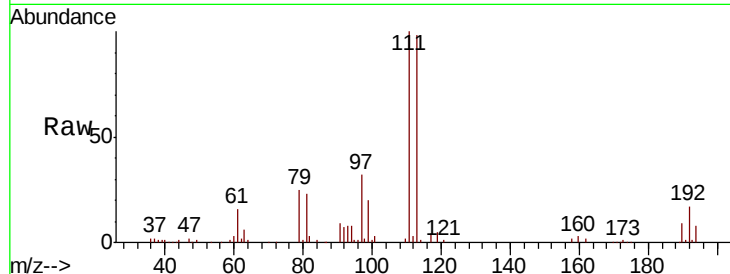
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 146253 |       |       |
| 111     | 103.9 | 81.0   | 121.6 |       |
| 192     | 17.4  | 13.8   | 20.6  |       |

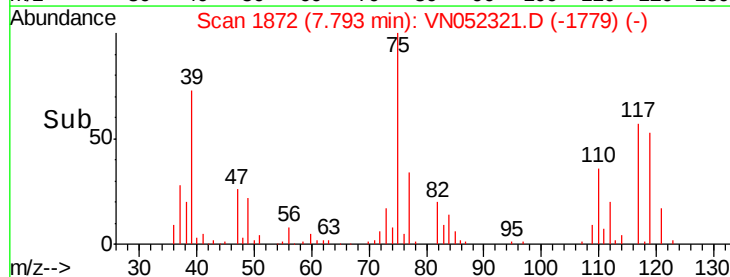
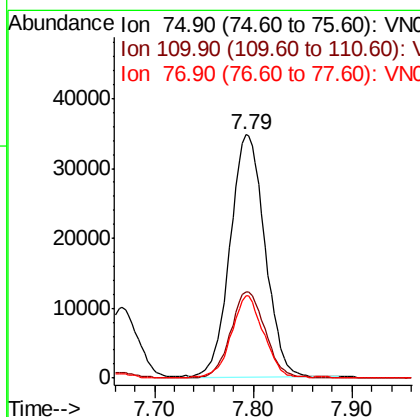
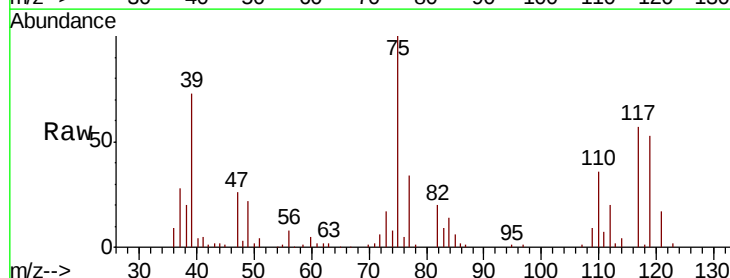
Manual Integrations  
 APPROVED

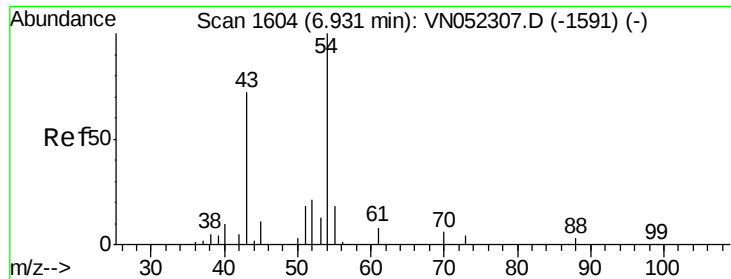
MMDadoda  
 11/20/2018 2:53:34 PM



#36  
 1,1-Dichloropropene  
 Concen: 19.030 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 84671 |       |       |
| 110     | 35.3  | 16.5  | 49.5  |       |
| 77      | 31.7  | 24.2  | 36.2  |       |





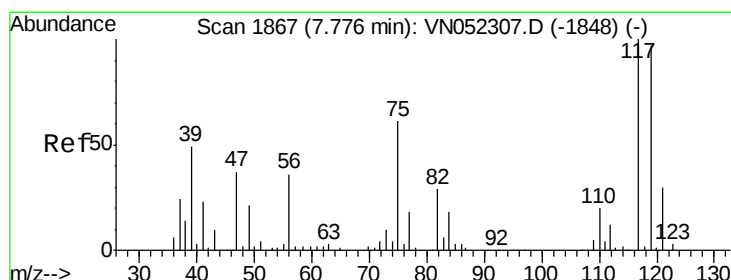
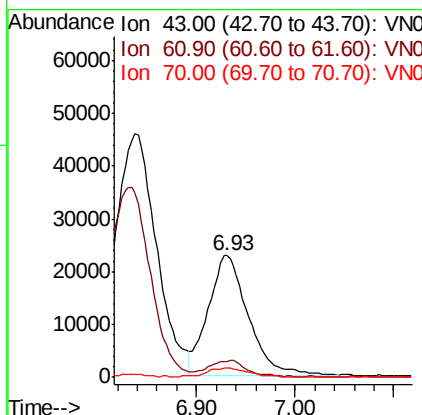
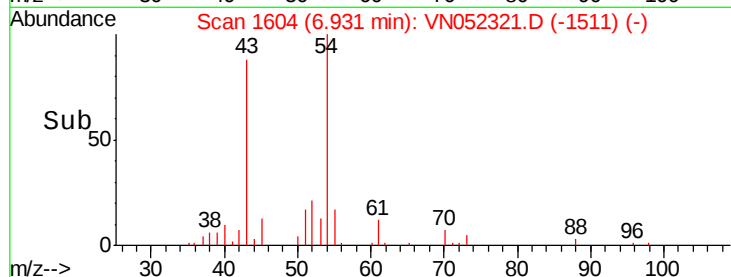
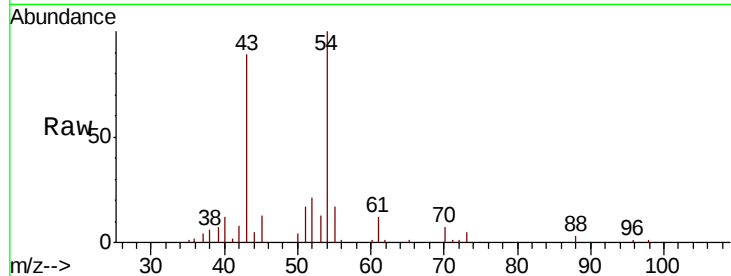
#37  
Ethyl Acetate  
Concen: 19.903 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | 43   | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 43      | 100  |       |       |       |
| 61      | 13.7 | 10.3  | 15.5  |       |
| 70      | 7.9  | 5.6   | 8.4   |       |

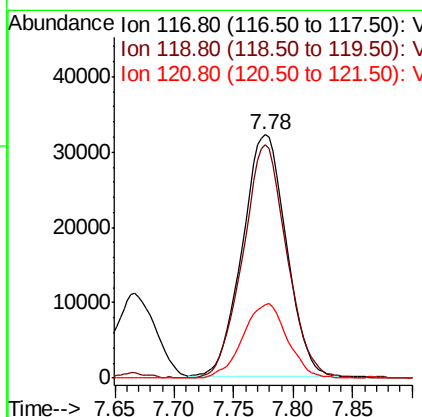
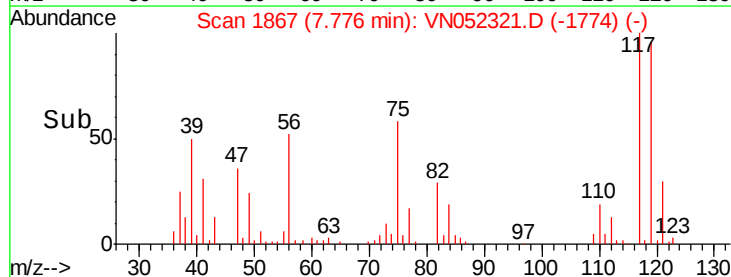
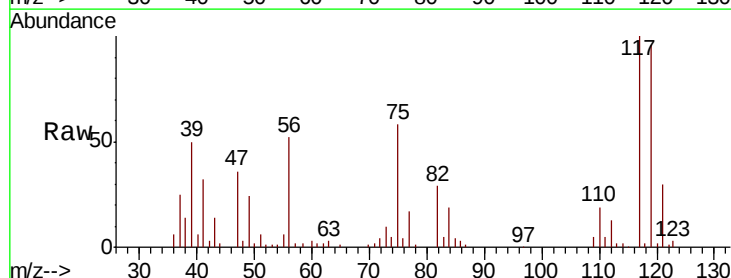
Manual Integrations  
APPROVED

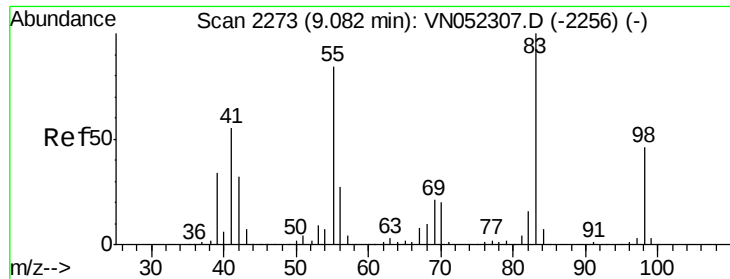
MMDadoda  
11/20/2018 2:53:34 PM



#38  
Carbon Tetrachloride  
Concen: 20.131 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | 117  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 117     | 100  |       |       |       |
| 119     | 96.5 | 77.4  | 116.0 |       |
| 121     | 30.3 | 24.0  | 36.0  |       |





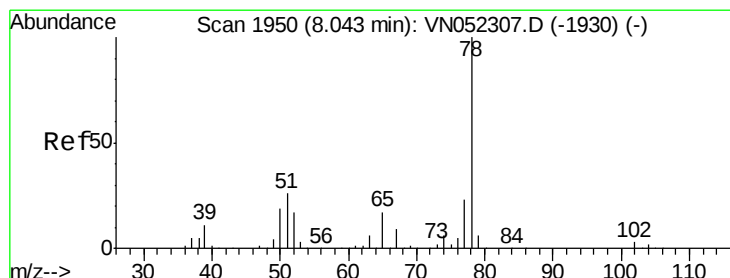
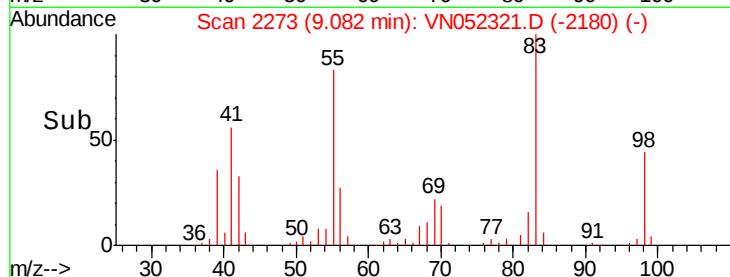
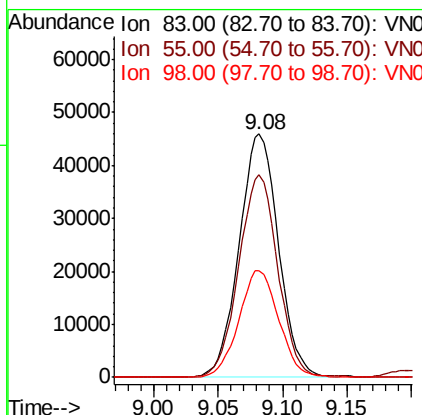
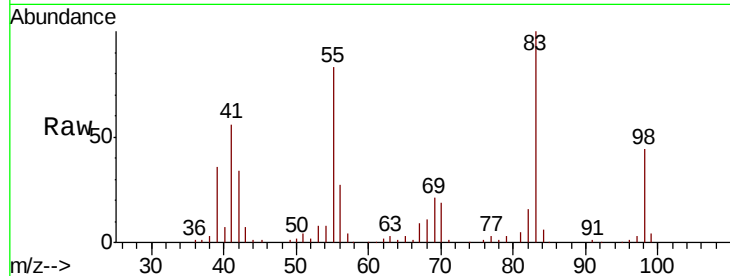
#39  
Methvlcvclohexane  
Concen: 19.230 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | 83.00 | Resp  | 97674 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 83.0  | 66.8  | 100.2 |
| 98      | 44.0  | 36.4  | 54.6  |

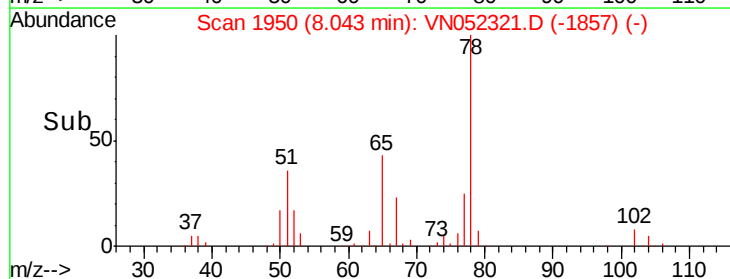
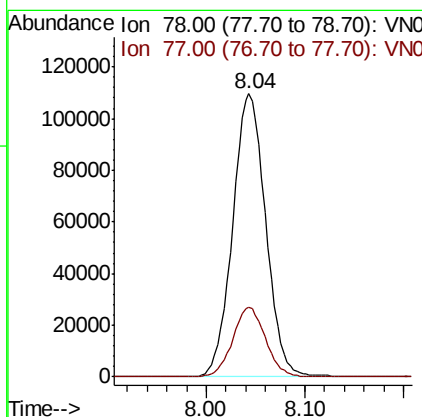
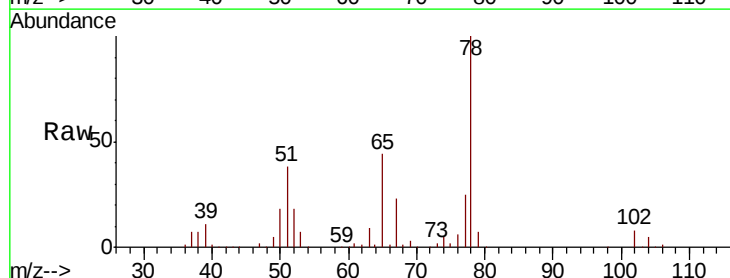
Manual Integrations  
APPROVED

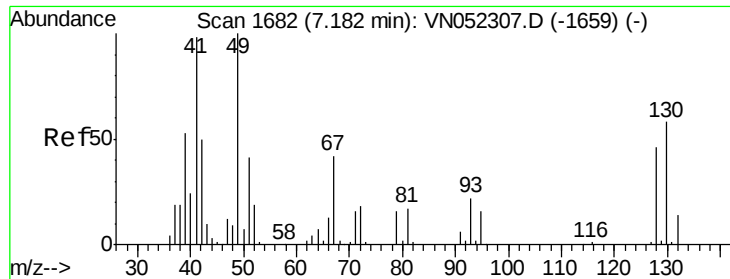
MMDadoda  
11/20/2018 2:53:34 PM



#40  
Benzene  
Concen: 20.067 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | 78.00 | Resp  | 255066 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 24.7  | 18.7  | 28.1   |





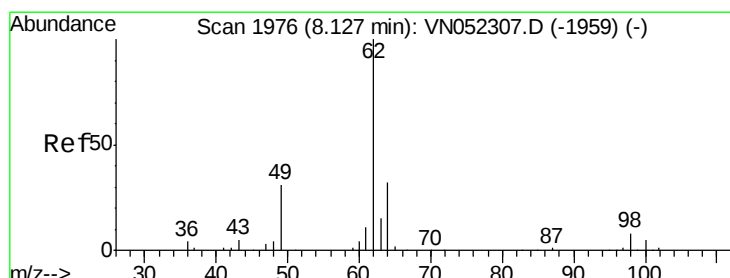
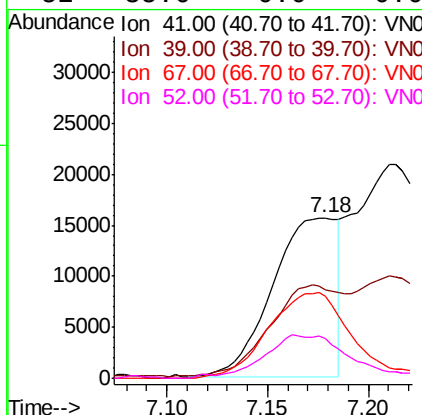
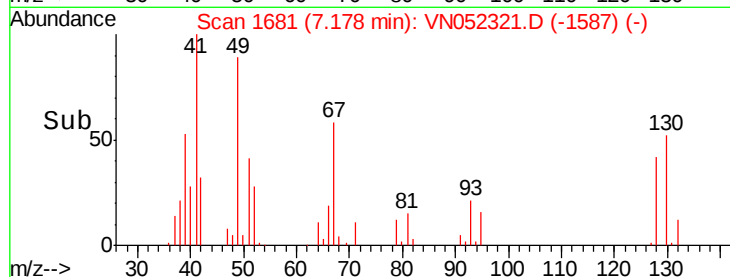
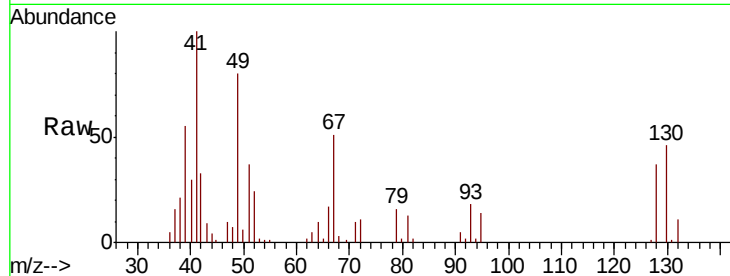
#41  
Methacrylonitrile  
Concen: 21.600 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 62.9  | 0.0   | 0.0#  |
| 67      | 69.5  | 0.0   | 0.0#  |
| 52      | 35.6  | 0.0   | 0.0#  |

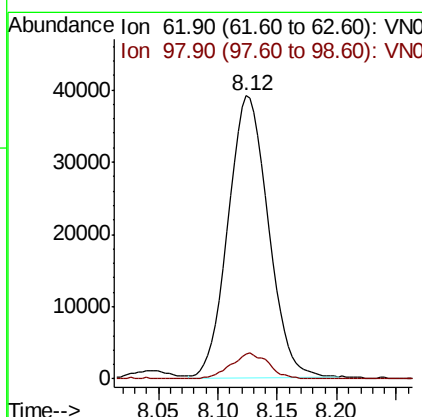
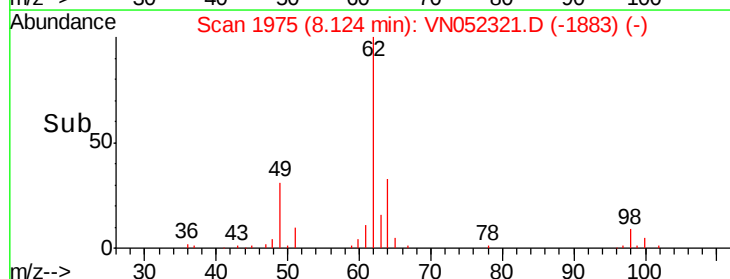
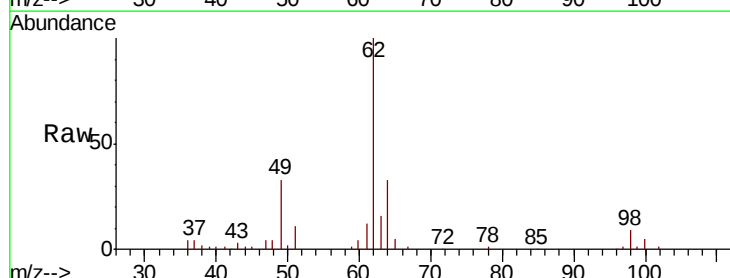
Manual Integrations  
APPROVED

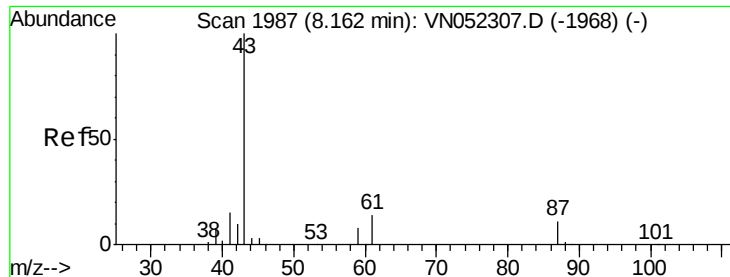
MMDadoda  
11/20/2018 2:53:34 PM



#42  
1,2-Dichloroethane  
Concen: 20.088 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.6   | 0.0   | 15.6  |





#43

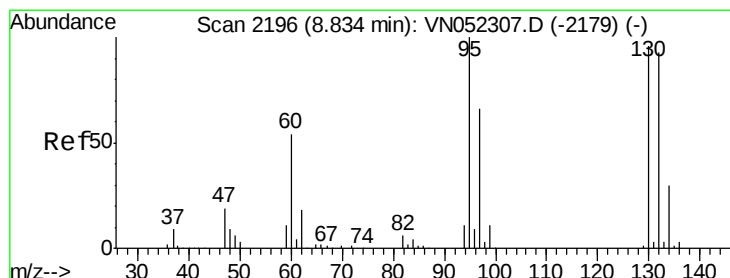
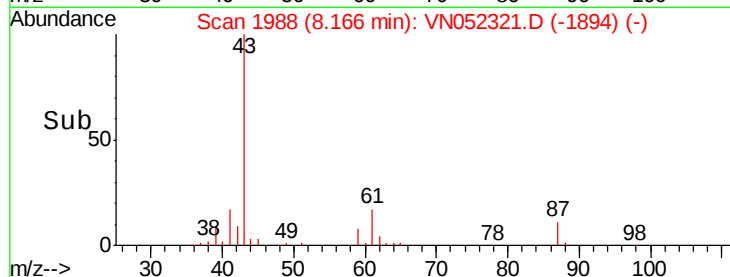
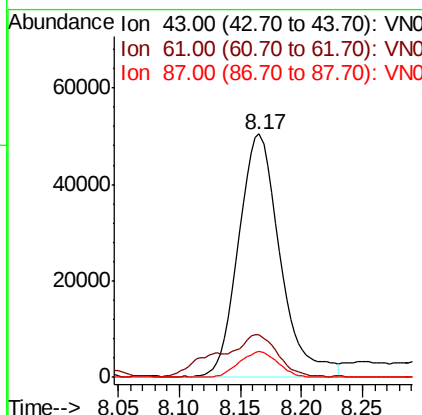
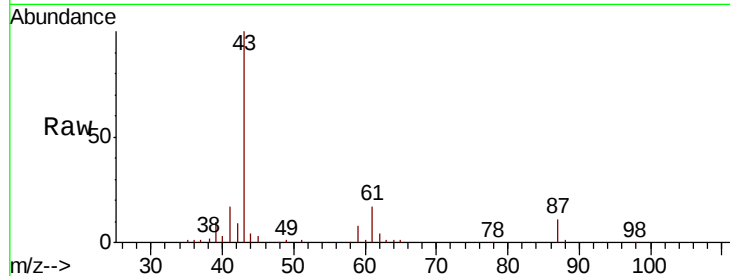
Isopropyl Acetate  
 Concen: 18.900 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.5  | 12.0  | 18.0  |
| 87      | 9.9   | 8.3   | 12.5  |

Manual Integrations  
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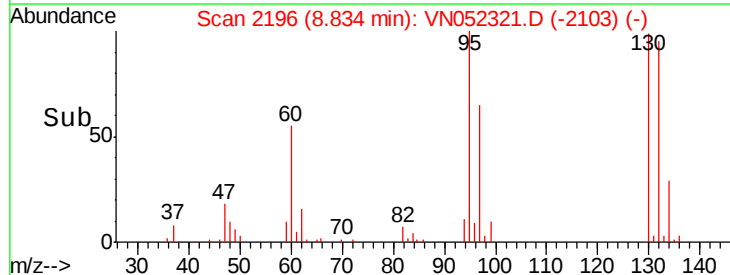
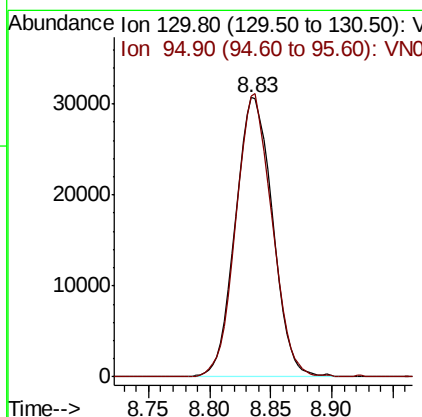
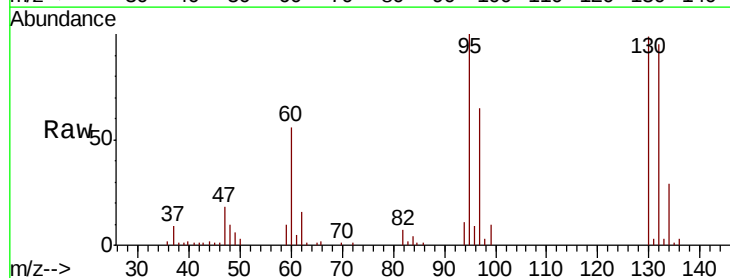
MMDadoda  
 11/20/2018 2:53:34 PM

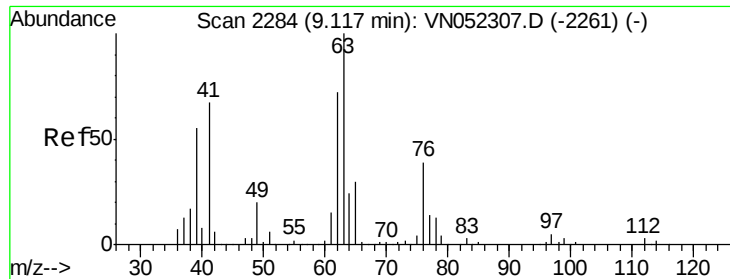


#44

Trichloroethene  
 Concen: 20.689 ug/l  
 RT: 8.83 min Scan# 2196  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 100.9 | 0.0   | 208.4 |





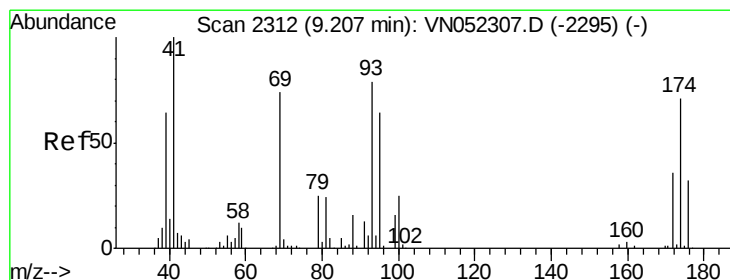
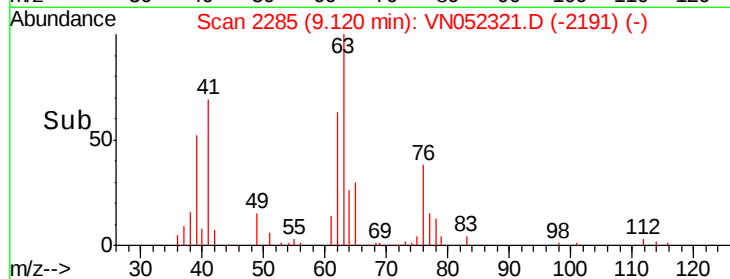
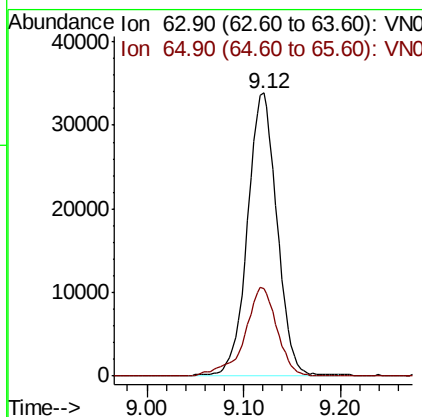
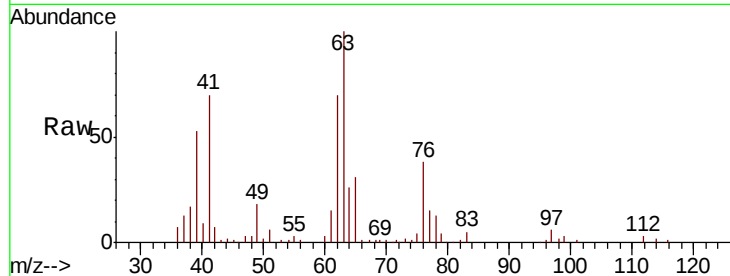
#45  
 1,2-Dichloropropane  
 Concen: 19.929 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

Tot Ion: 63 Resp: 71887  
 Ion Ratio Lower Upper  
 63 100  
 65 30.7 24.2 36.4

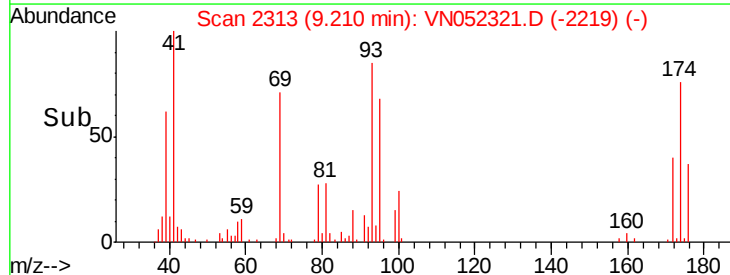
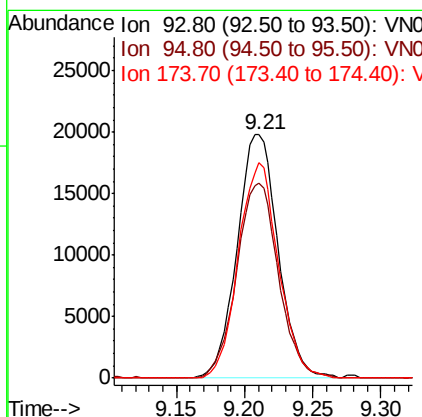
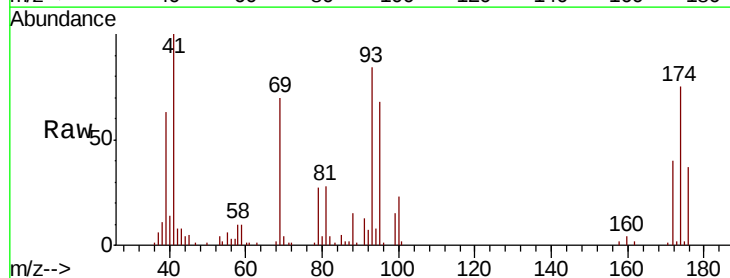
Manual Integrations  
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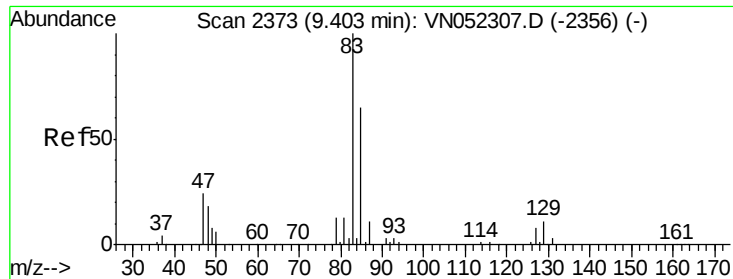
MMDadoda  
 11/20/2018 2:53:34 PM



#46  
 Dibromomethane  
 Concen: 19.772 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Tgt Ion: 93 Resp: 41288  
 Ion Ratio Lower Upper  
 93 100  
 95 81.8 64.2 96.2  
 174 86.4 70.9 106.3





#47

Bromodichloromethane

Concen: 20.504 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

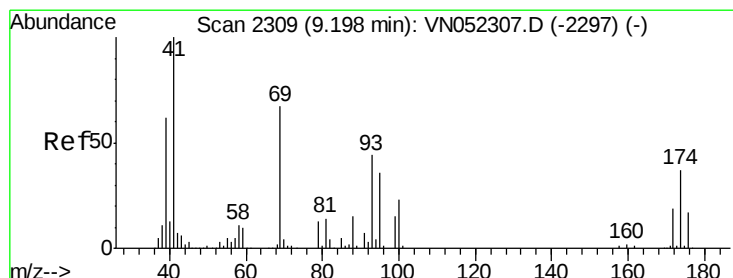
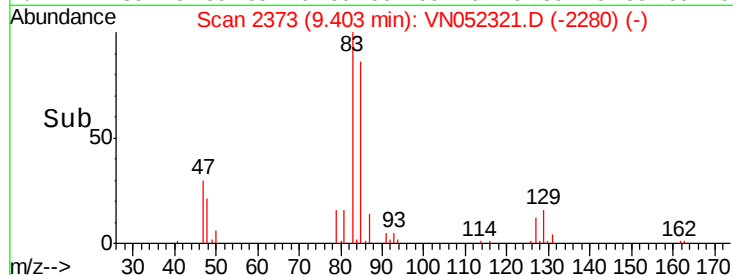
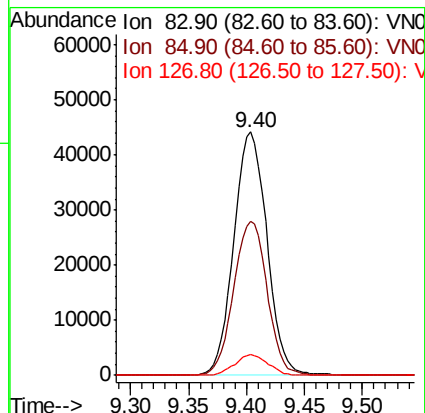
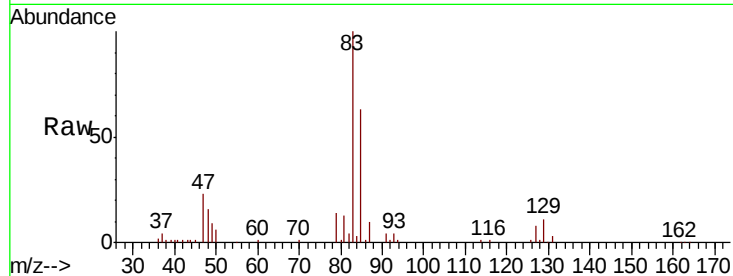
ClientSampleId :

VN1114WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 87866 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 63.2  | 52.2  | 78.4  |
| 127       | 8.5   | 6.7   | 10.1  |

Manual Integrations  
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MMDadoda  
11/20/2018 2:53:34 PM



#48

Methyl methacrylate

Concen: 18.716 ug/l

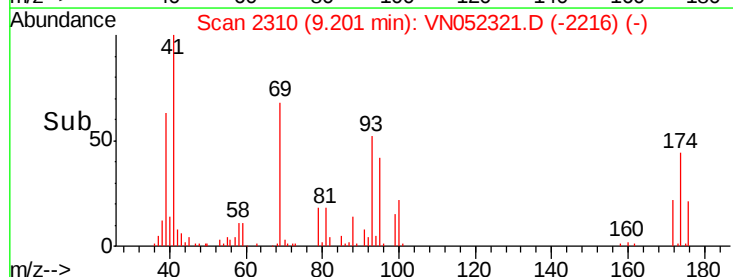
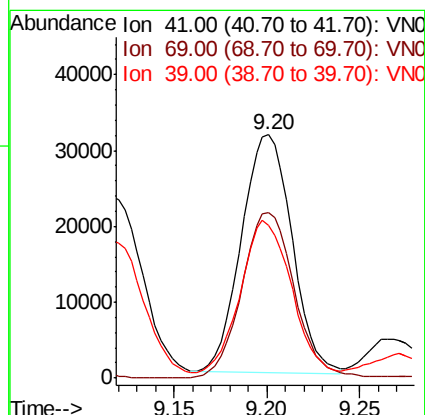
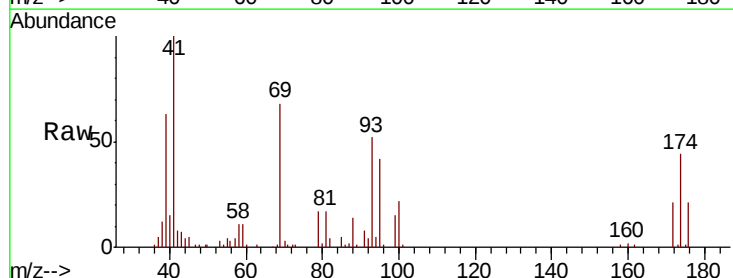
RT: 9.20 min Scan# 2310

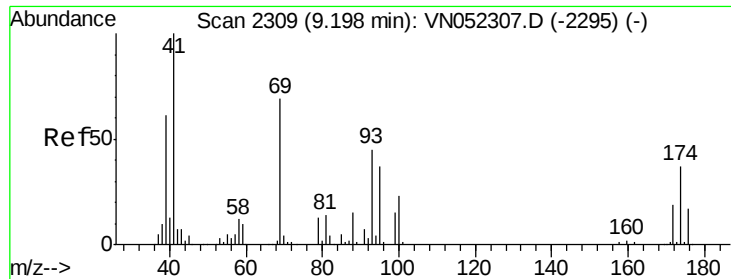
Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 59173 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 72.6  | 57.1  | 85.7  |
| 39        | 64.5  | 52.5  | 78.7  |





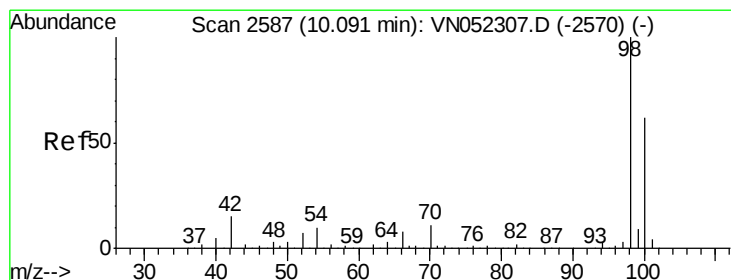
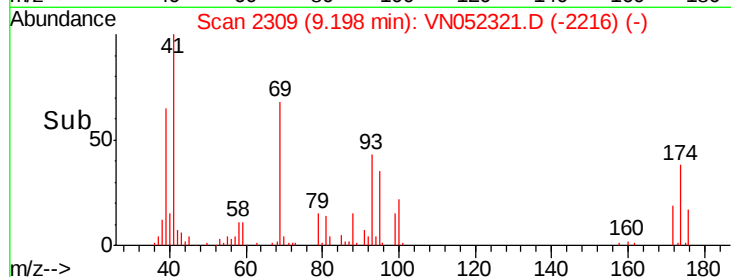
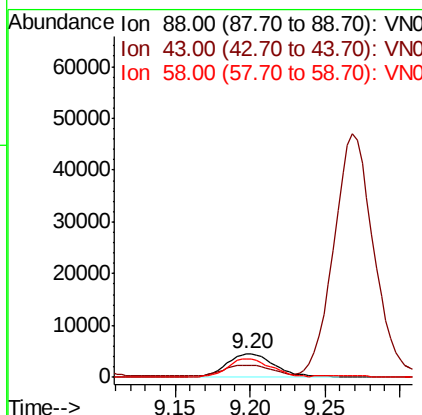
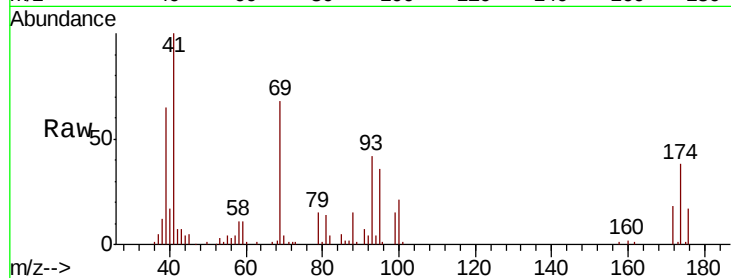
#49  
1,4-Dioxane  
Concen: 419.845 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 41.8  | 33.3  | 49.9  |
| 58      | 72.7  | 59.2  | 88.8  |

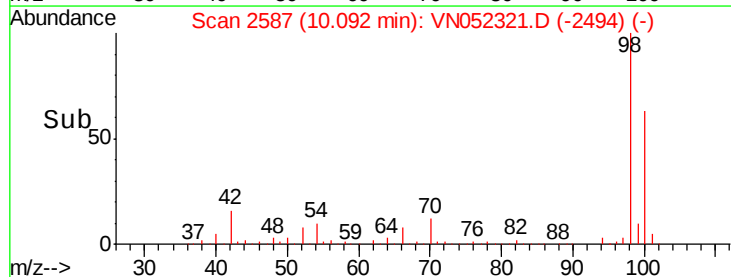
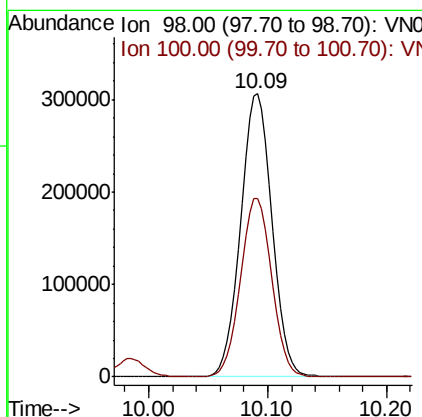
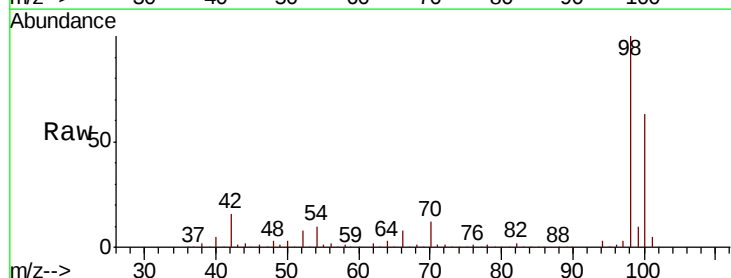
Manual Integrations  
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#50  
Toluene-d8  
Concen: 419.845 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.7  | 49.5  | 74.3  |





#51

4-Methyl-2-Pentanone

Concen: 102.289 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 43 Resp: 320829

Ion Ratio Lower Upper

43 100

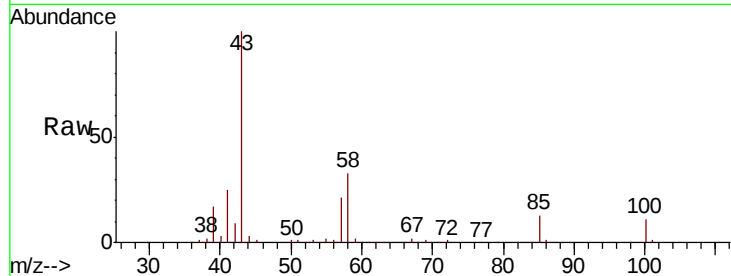
58 33.9 27.0 40.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

200000

150000

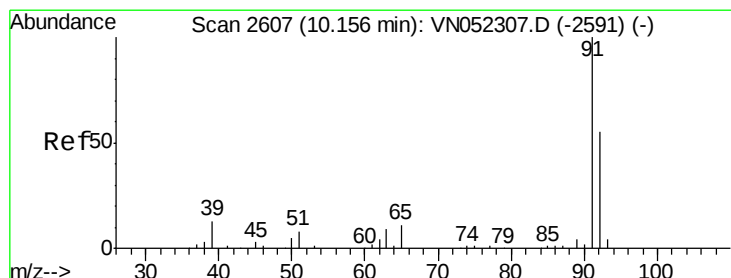
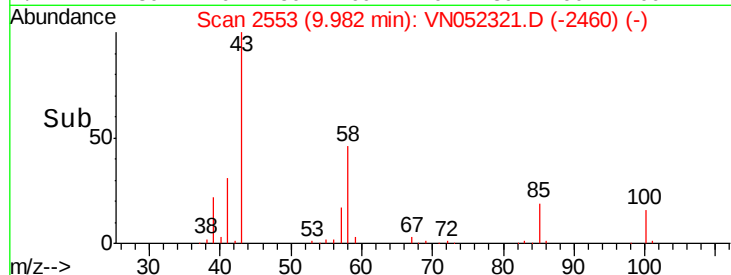
100000

50000

0

9.90 9.98 10.00 10.10

Time-->



#52

Toluene

Concen: 20.311 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052321.D

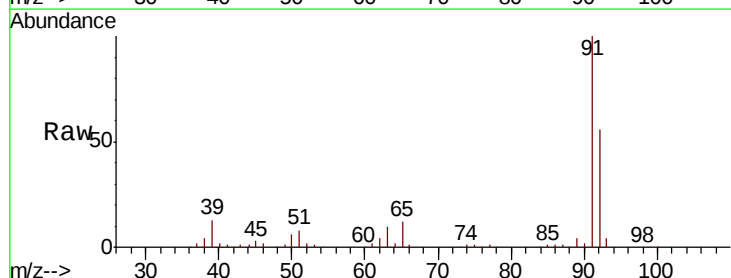
Acq: 14 Nov 2018 18:55

Tgt Ion: 92 Resp: 154442

Ion Ratio Lower Upper

92 100

91 177.8 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

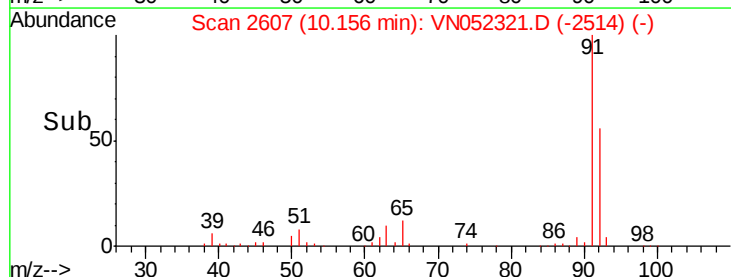
100000

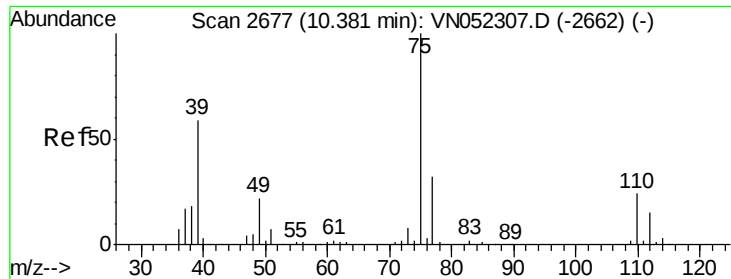
50000

0

10.05 10.10 10.15 10.20

Time-->





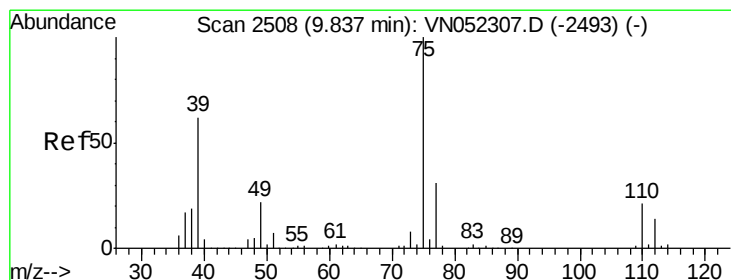
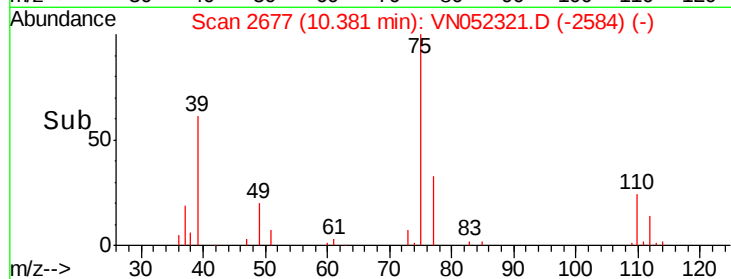
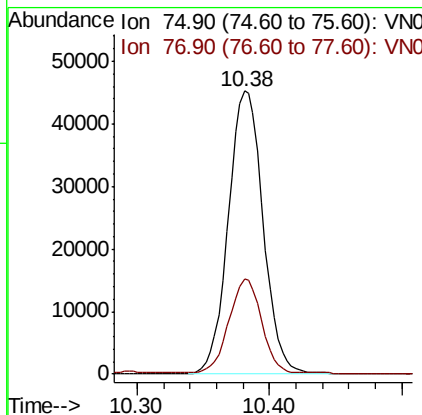
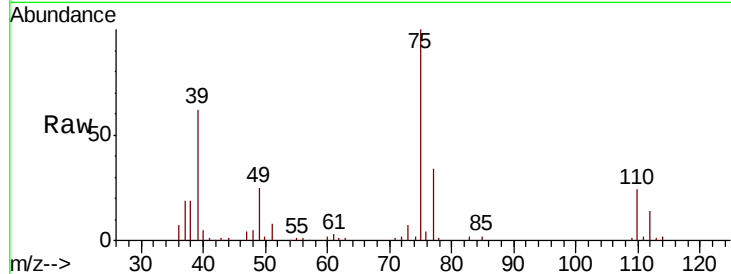
#53  
t-1,3-Dichloropropene  
Concen: 19.062 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

Tot Ion: 75 Resp: 82385  
Ion Ratio Lower Upper  
75 100  
77 33.2 25.7 38.5

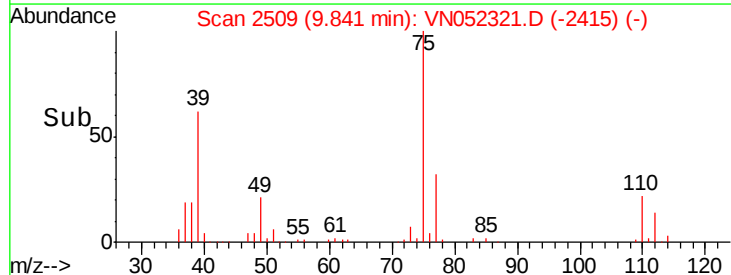
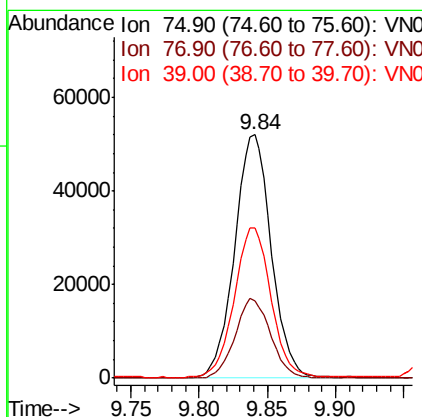
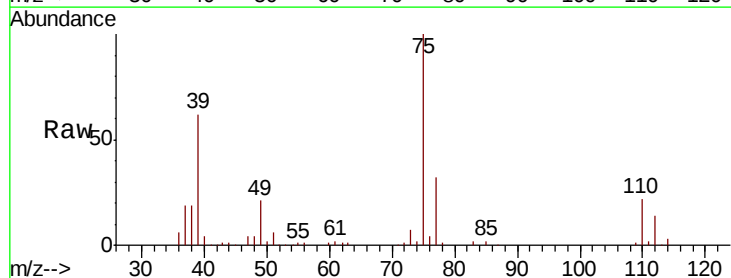
Manual Integrations  
APPROVED

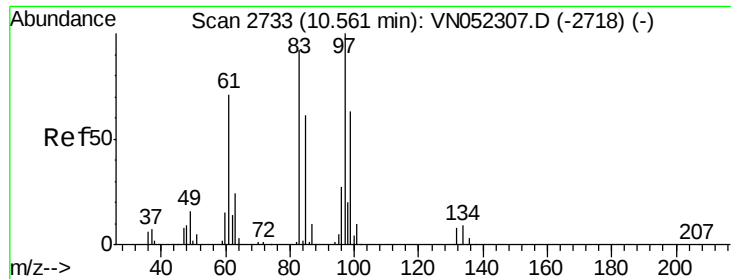
MMDadoda  
11/20/2018 2:53:34 PM



#54  
cis-1,3-Dichloropropene  
Concen: 19.653 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Tgt Ion: 75 Resp: 96824  
Ion Ratio Lower Upper  
75 100  
77 31.8 24.6 36.8  
39 61.5 49.9 74.9





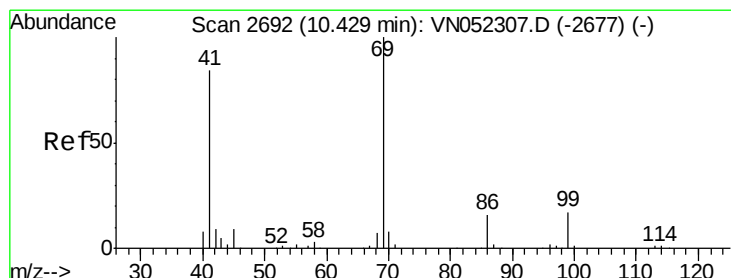
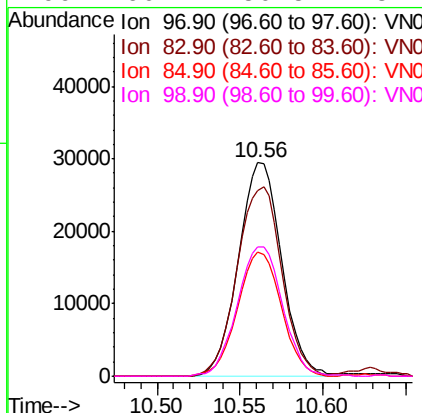
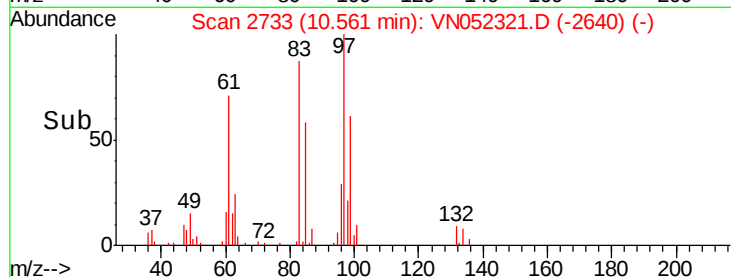
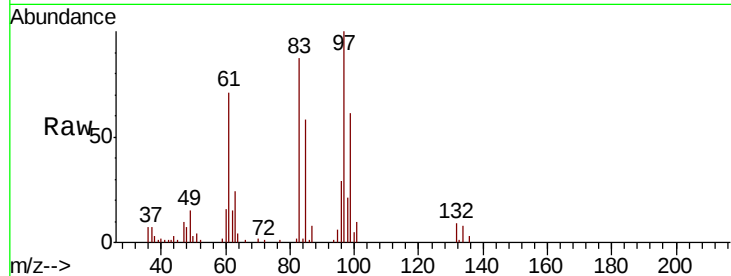
#55  
 1,1,2-Trichloroethane  
 Concen: 19.423 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 87.2  | 73.8  | 110.6 |
| 85      | 58.1  | 49.0  | 73.4  |
| 99      | 60.7  | 50.5  | 75.7  |

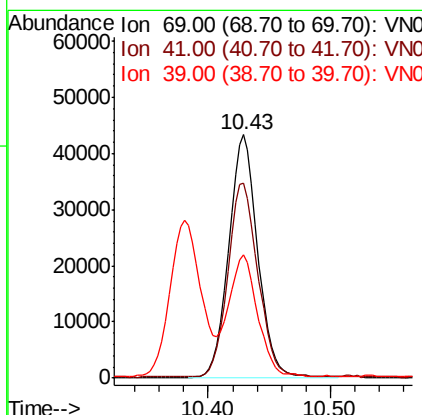
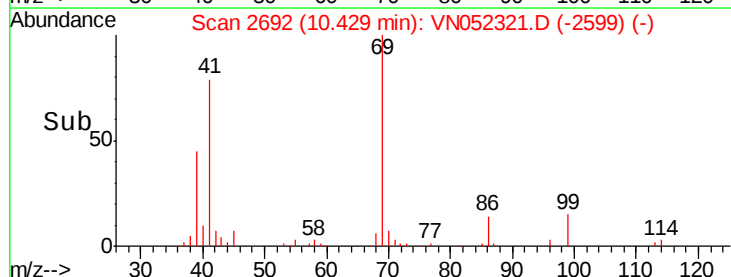
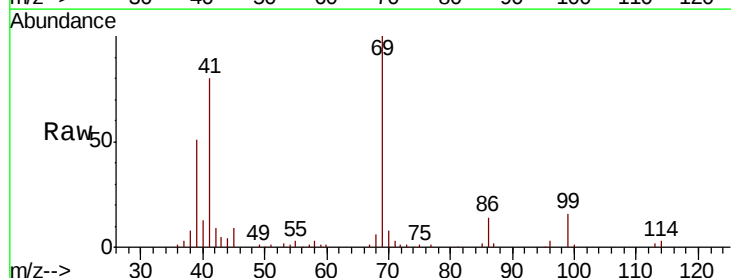
Manual Integrations  
 APPROVED

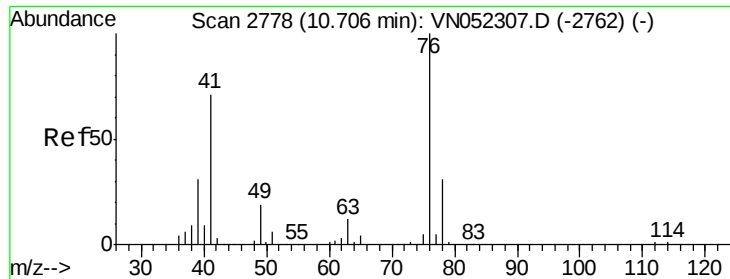
MMDadoda  
 11/20/2018 2:53:34 PM



#56  
 Ethyl methacrylate  
 Concen: 19.917 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 82.0  | 64.8  | 97.2  |
| 39      | 50.0  | 41.0  | 61.6  |





#57

1,3-Dichloropropane

Concen: 20.306 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 76 Resp: 99144

Ion Ratio Lower Upper

76 100

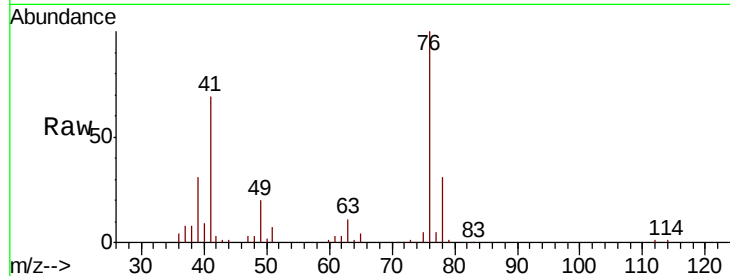
78 31.8 25.7 38.5

Manual Integrations

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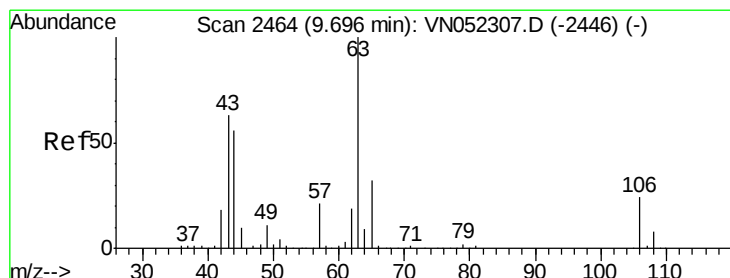
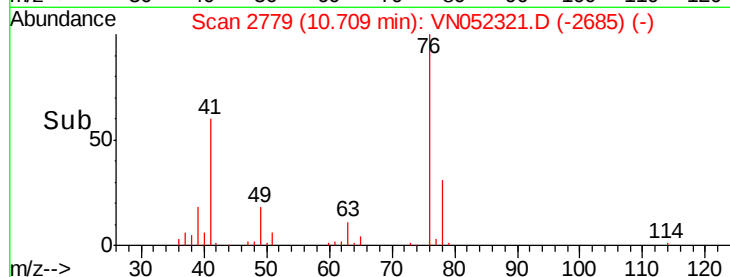
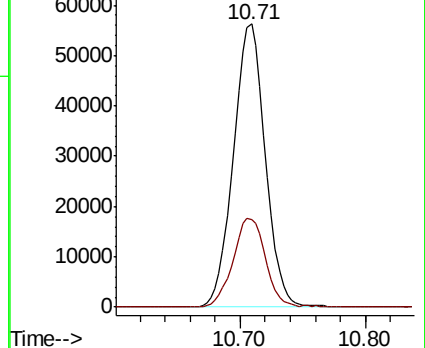
MMDadoda

11/20/2018 2:53:34 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 100.143 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052321.D

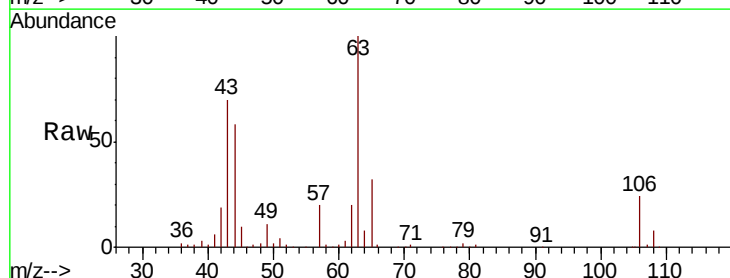
Acq: 14 Nov 2018 18:55

Tgt Ion: 63 Resp: 206680

Ion Ratio Lower Upper

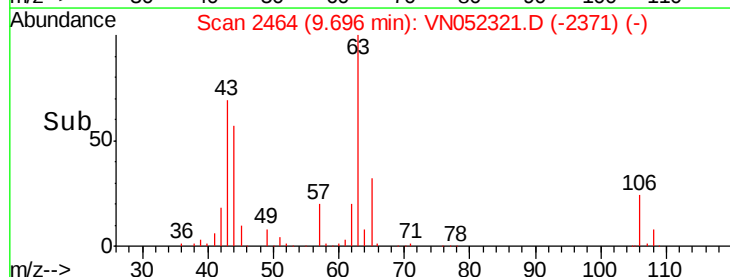
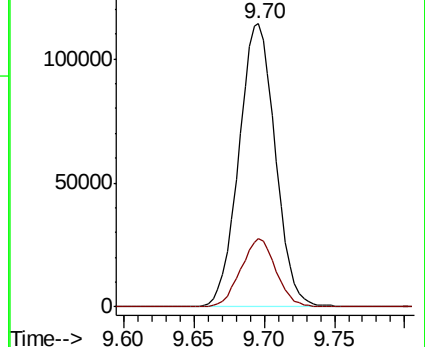
63 100

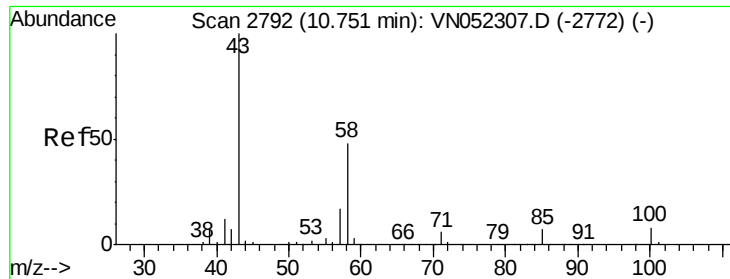
106 23.3 19.3 28.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 95.521 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 43 Resp: 206074

Ion Ratio Lower Upper

43 100

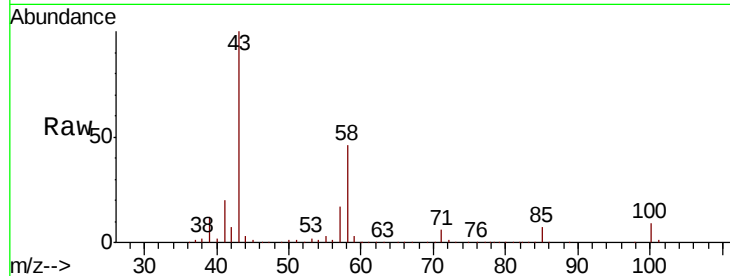
58 47.2 23.5 70.6

Manual Integrations

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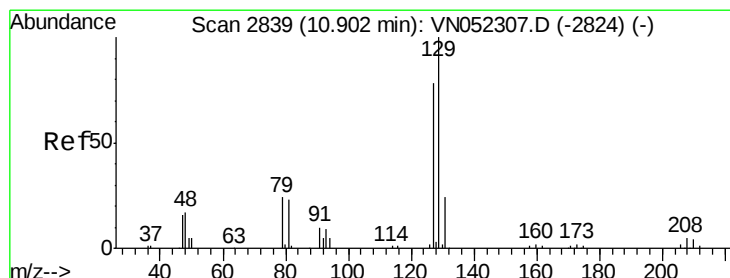
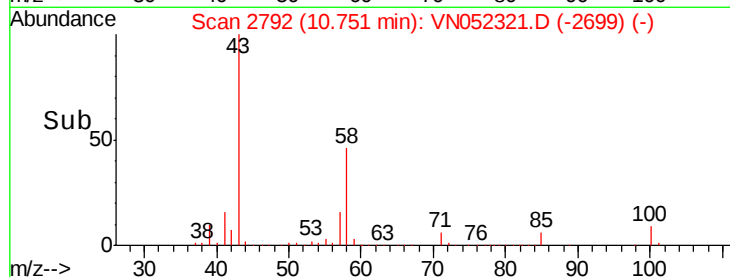
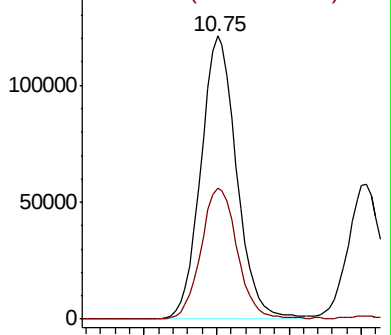
MMDadoda

11/20/2018 2:53:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2772) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2772) (-)



#60

Dibromochloromethane

Concen: 19.449 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052321.D

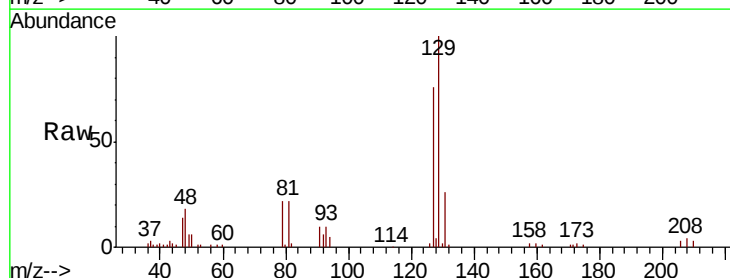
Acq: 14 Nov 2018 18:55

Tgt Ion: 129 Resp: 58002

Ion Ratio Lower Upper

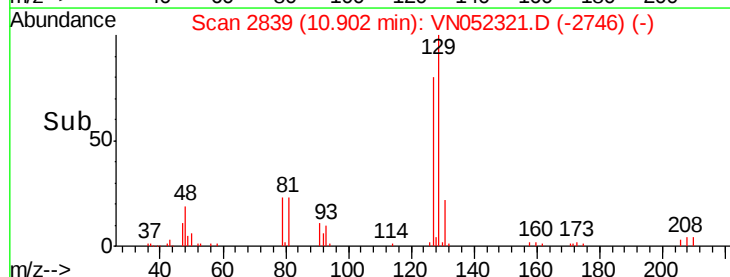
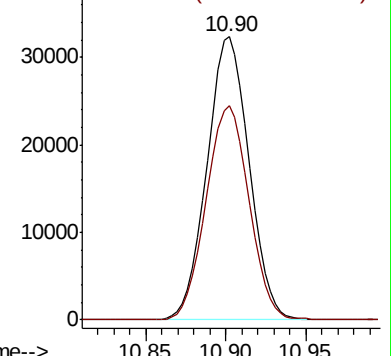
129 100

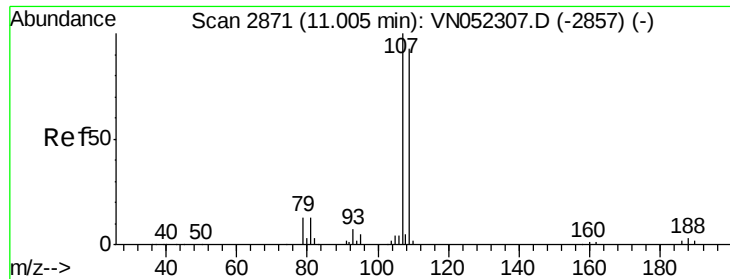
127 77.2 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): VN052307.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN052307.D (-2824) (-)





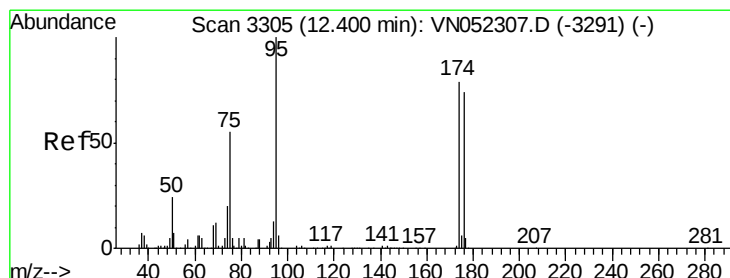
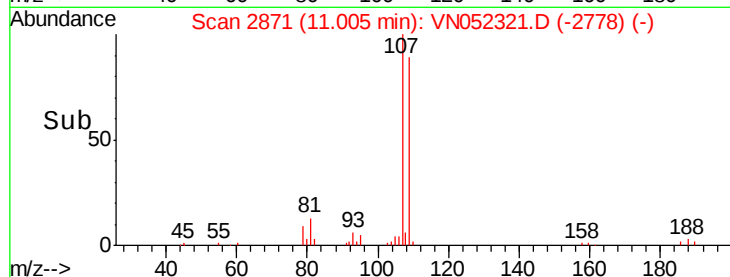
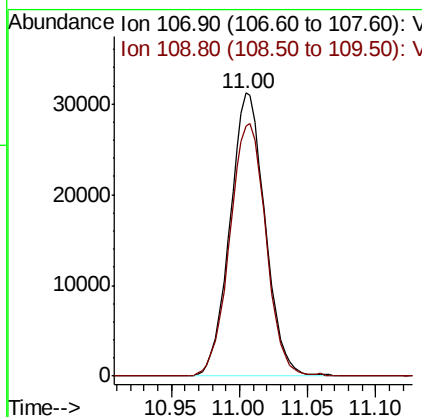
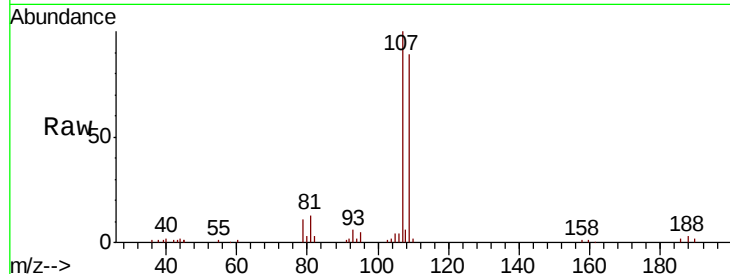
#61  
 1,2-Dibromoethane  
 Concen: 20.322 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 91.9  | 74.9  | 112.3 |

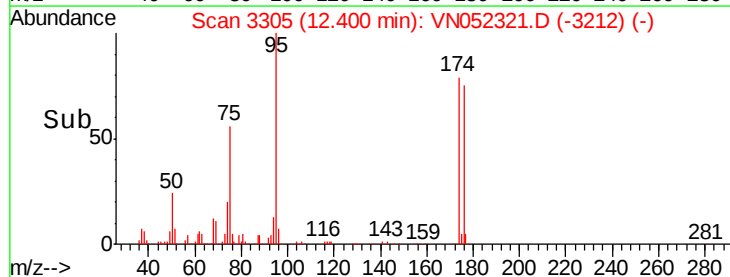
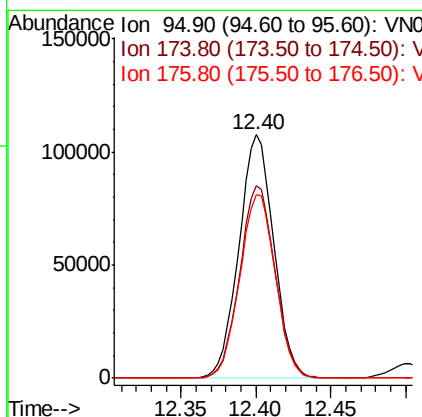
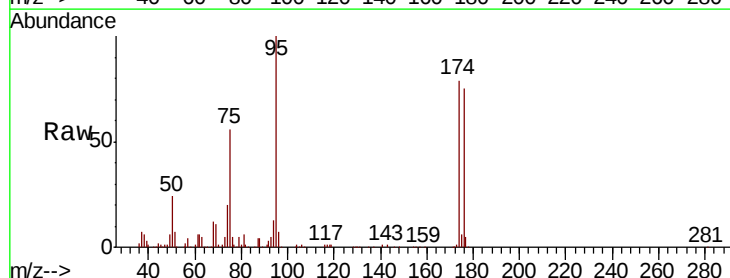
Manual Integrations  
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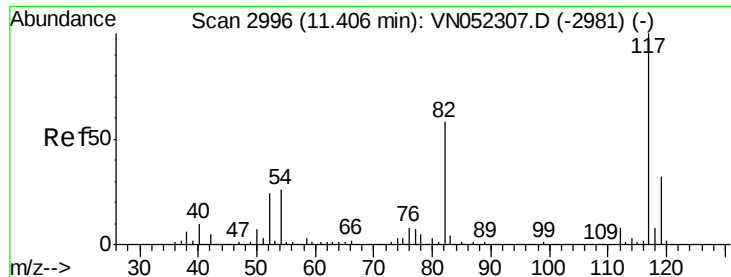
MMDadoda  
 11/20/2018 2:53:34 PM



#62  
 4-Bromofluorobenzene  
 Concen: 20.322 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 80.2  | 0.0   | 156.0 |
| 176     | 77.1  | 0.0   | 148.4 |





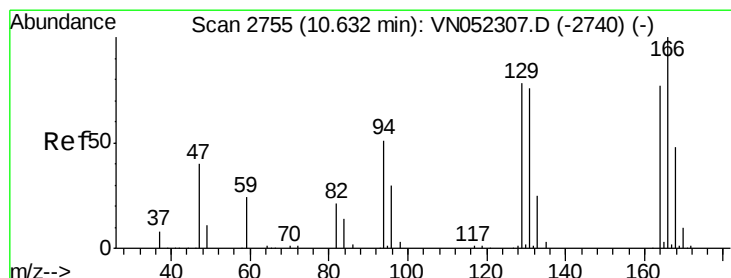
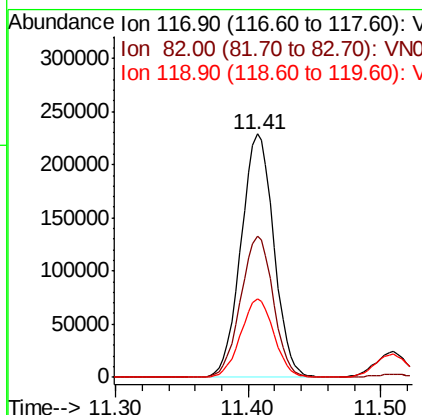
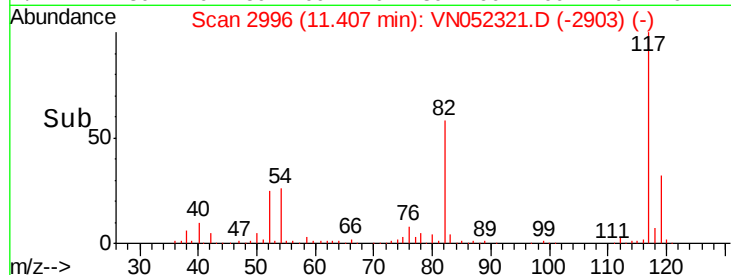
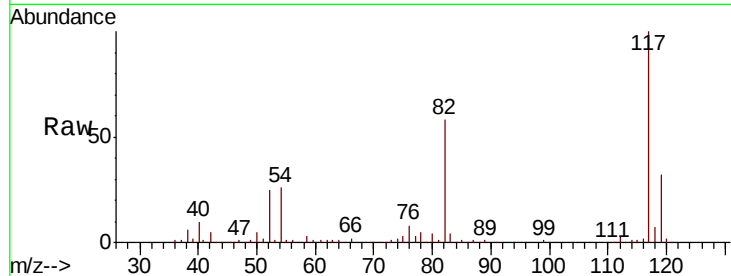
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.9  | 46.5  | 69.7  |
| 119     | 32.3  | 25.7  | 38.5  |

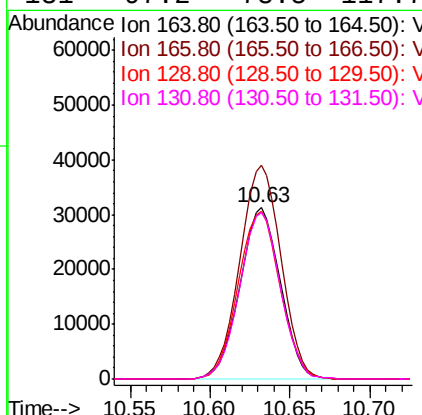
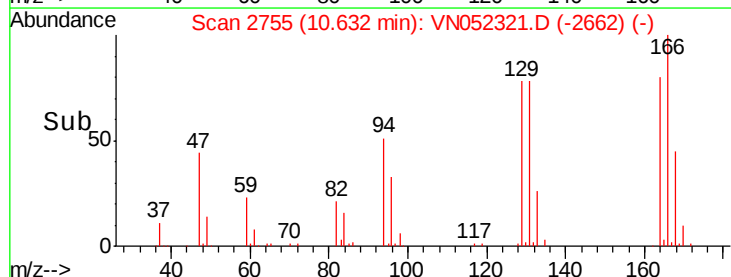
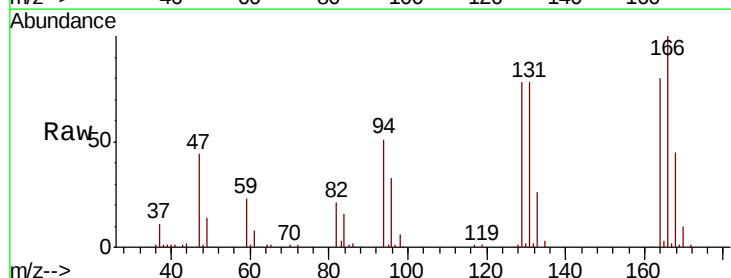
Manual Integrations  
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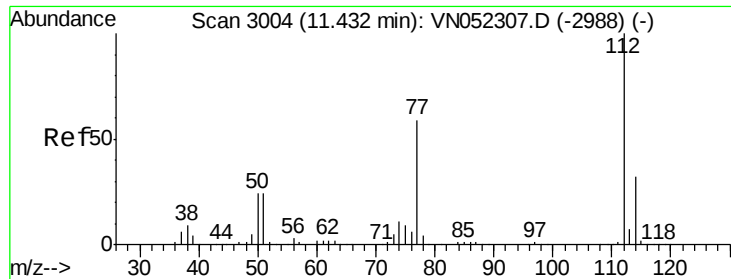
MMDadoda  
11/20/2018 2:53:34 PM



#64  
Tetrachloroethene  
Concen: 19.305 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 124.6 | 103.8 | 155.6 |
| 129     | 97.6  | 80.7  | 121.1 |
| 131     | 97.2  | 78.5  | 117.7 |





#65

Chlorobenzene

Concen: 19.708 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN1114WBSD01

Tot Ion:112 Resp: 163869

Ion Ratio Lower Upper

112 100

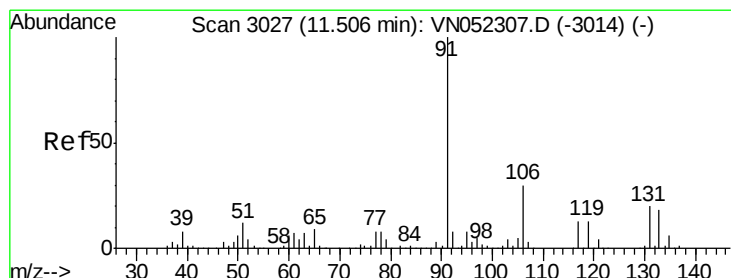
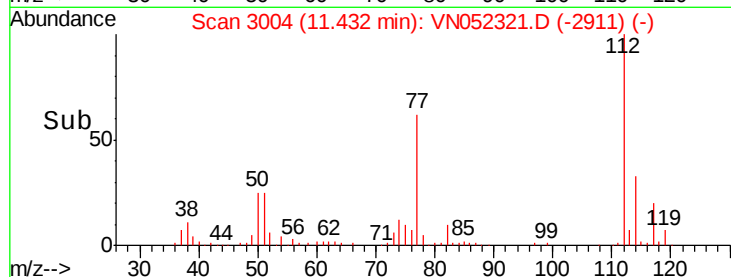
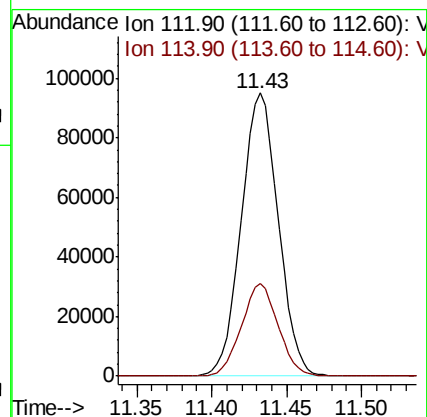
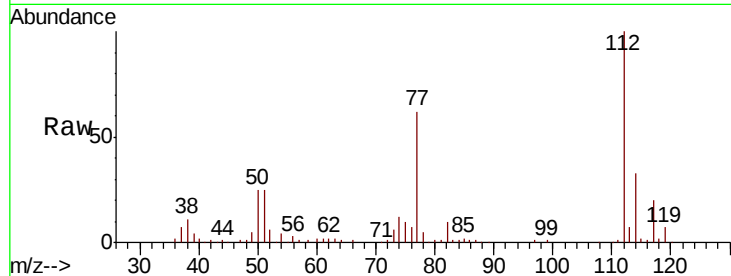
114 32.6 25.9 38.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.059 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

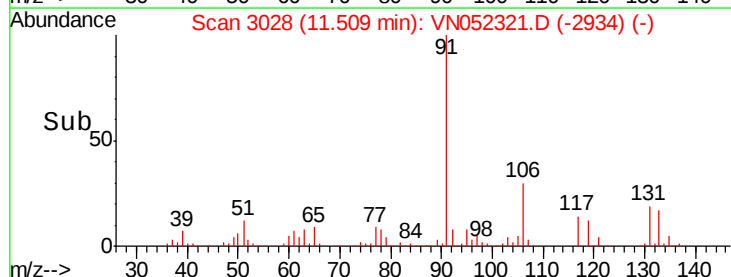
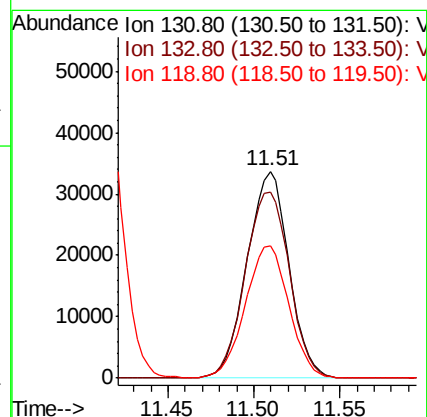
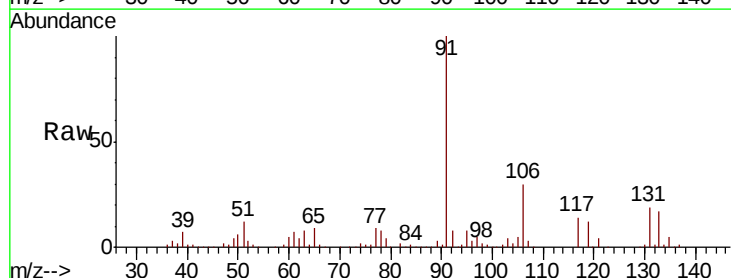
Tgt Ion:131 Resp: 56876

Ion Ratio Lower Upper

131 100

133 95.2 47.4 142.3

119 66.6 33.3 99.9





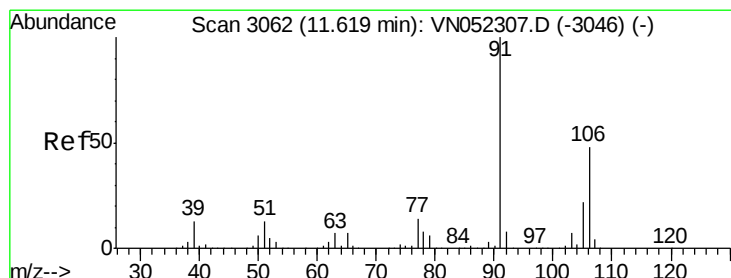
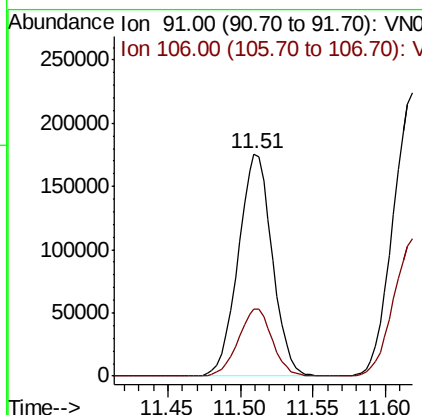
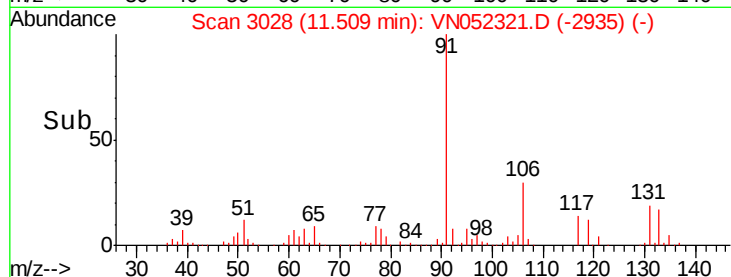
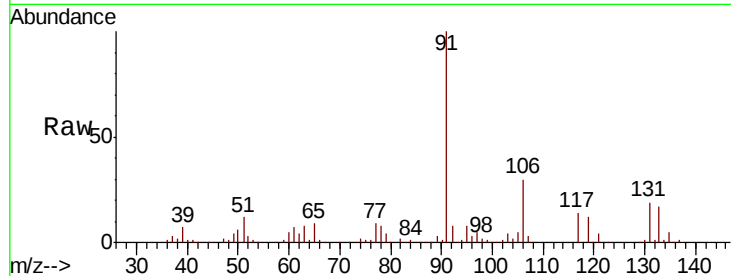
#67  
Ethyl Benzene  
Concen: 19.749 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

Tot Ion: 91 Resp: 285004  
Ion Ratio Lower Upper  
91 100  
106 30.4 24.2 36.2

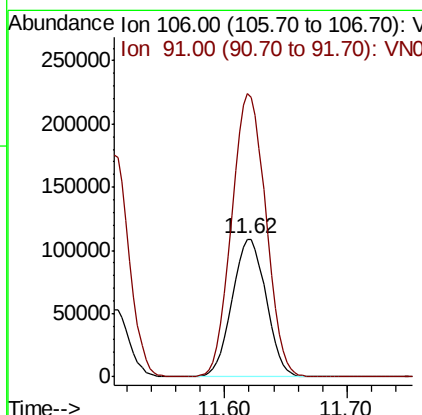
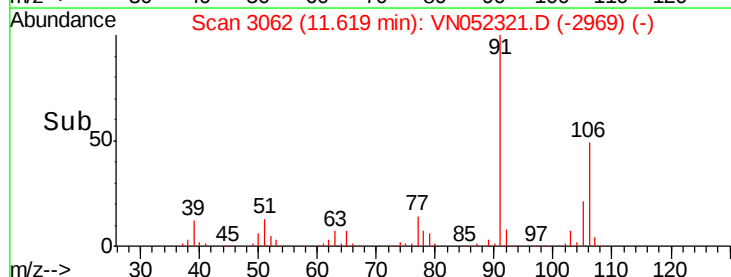
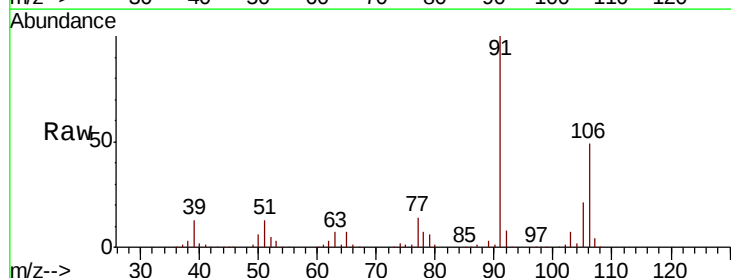
Manual Integrations  
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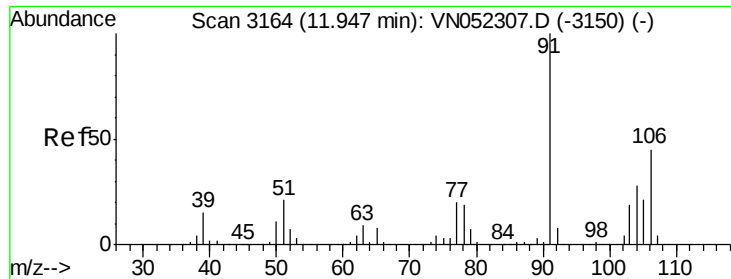
MMDadoda  
11/20/2018 2:53:34 PM



#68  
m/p-Xylenes  
Concen: 39.917 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Tgt Ion: 106 Resp: 210478  
Ion Ratio Lower Upper  
106 100  
91 206.4 165.5 248.3





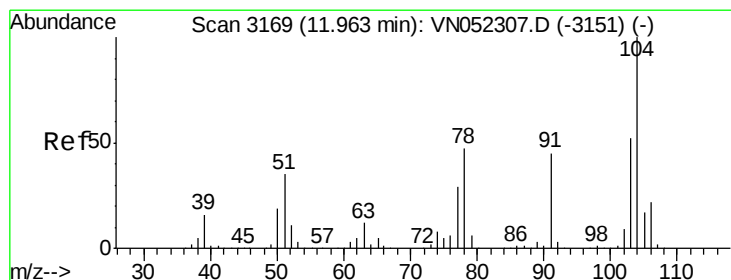
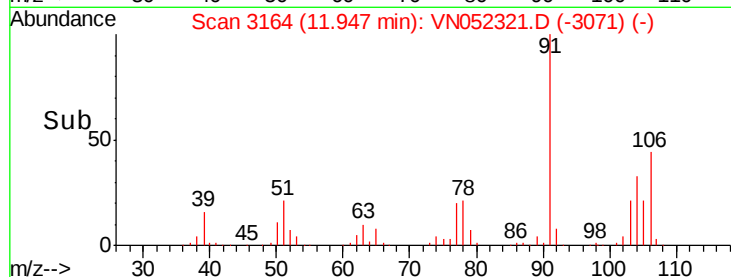
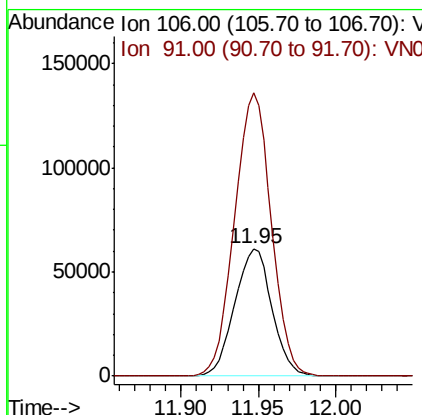
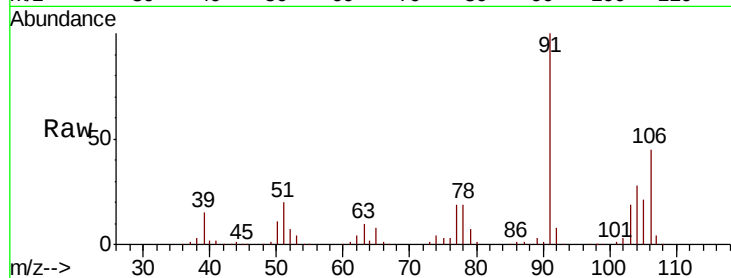
#69  
o-Xylene  
Concen: 20.208 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

Tot Ion:106 Resp: 102138  
Ion Ratio Lower Upper  
106 100  
91 219.5 110.0 330.0

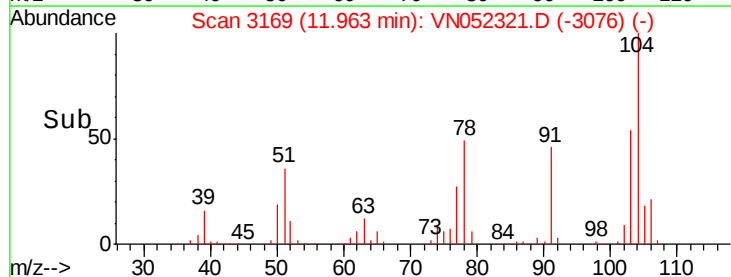
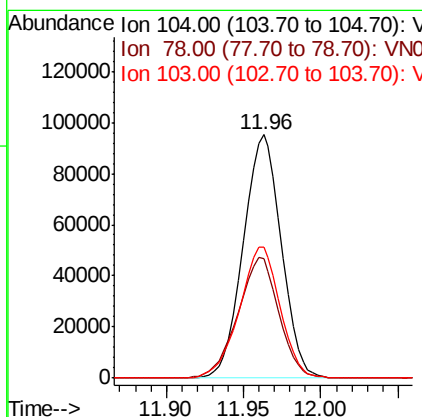
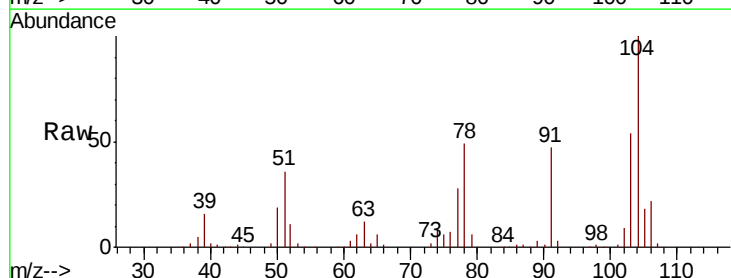
Manual Integrations  
APPROVED

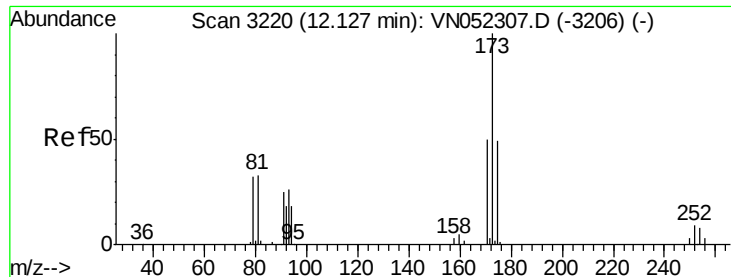
MMDadoda  
11/20/2018 2:53:34 PM



#70  
Styrene  
Concen: 20.131 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Tgt Ion:104 Resp: 162926  
Ion Ratio Lower Upper  
104 100  
78 53.7 42.7 64.1  
103 57.5 45.4 68.0





#71

Bromoform

Concen: 19.437 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN1114WBSD01

Tot Ion:173 Resp: 32540

Ion Ratio Lower Upper

173 100

175 47.9 25.0 75.0

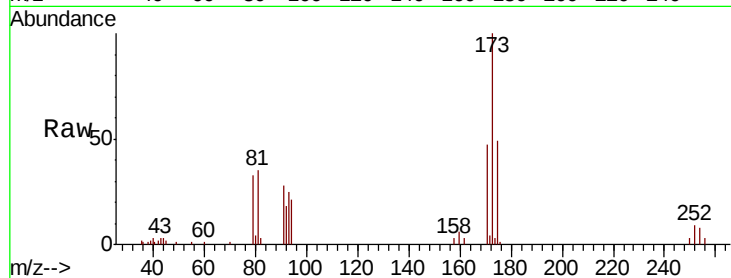
254 0.0 0.0 0.0

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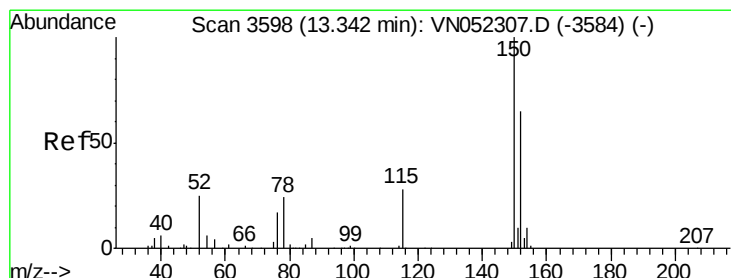
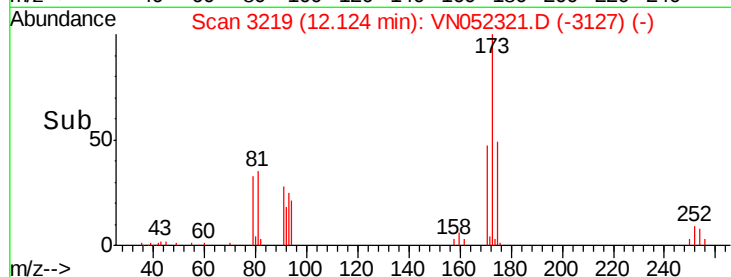
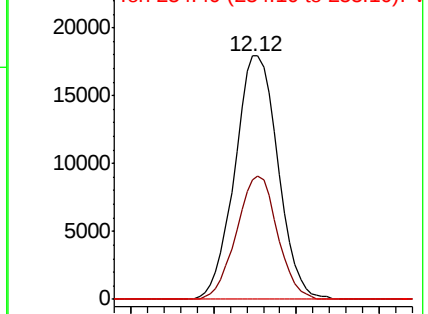


Abundance

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: VN052321.D

Acq: 14 Nov 2018 18:55

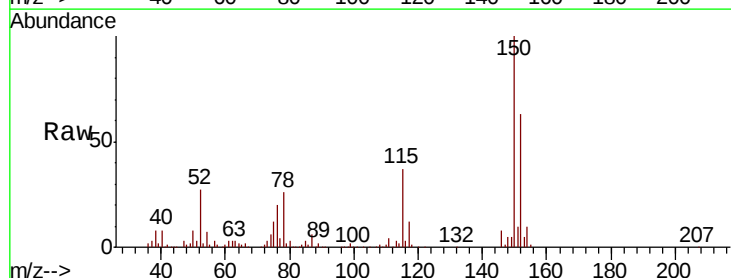
Tgt Ion:152 Resp: 156827

Ion Ratio Lower Upper

152 100

115 60.4 30.3 91.0

150 166.7 0.0 348.2

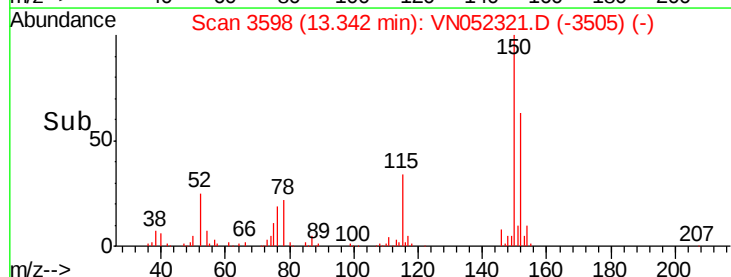
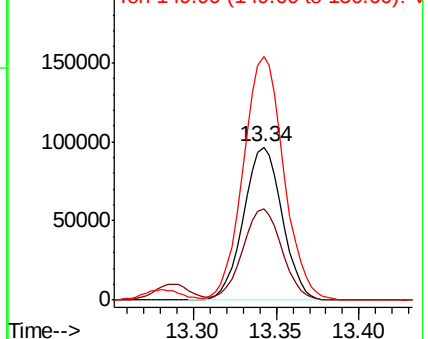


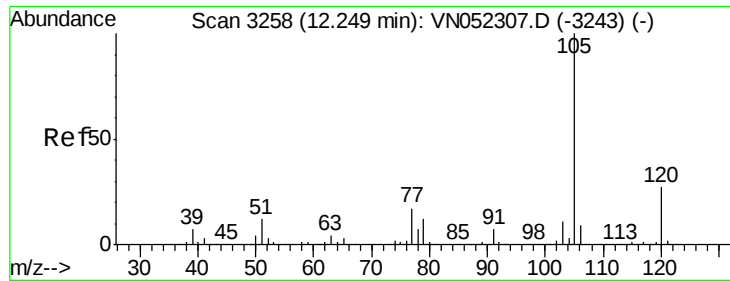
Abundance

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





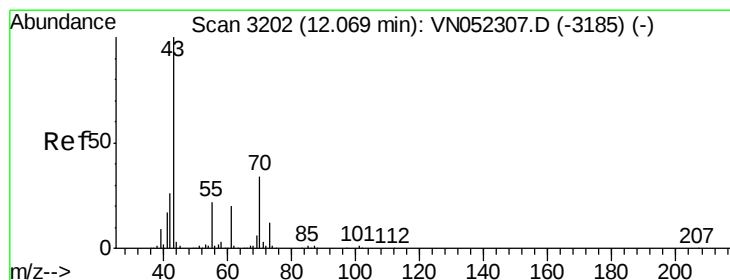
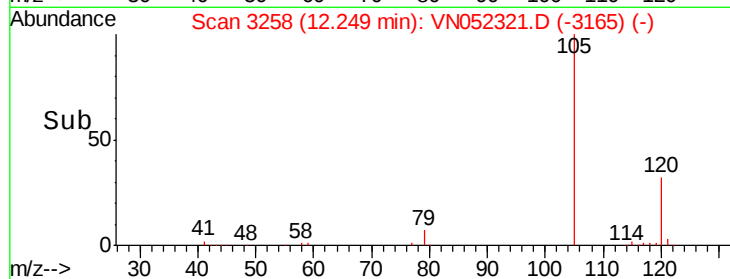
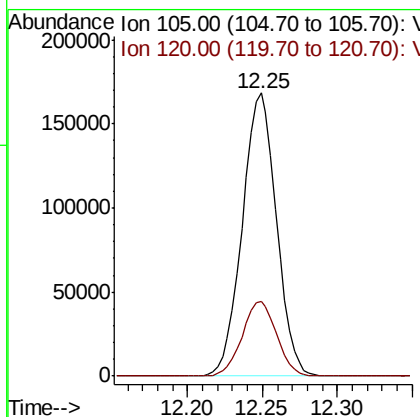
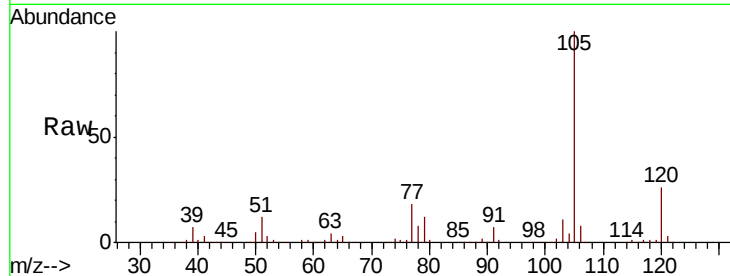
#73  
Isopropylbenzene  
Concen: 21.239 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

Tot Ion: 105 Resp: 267794  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.4 40.1

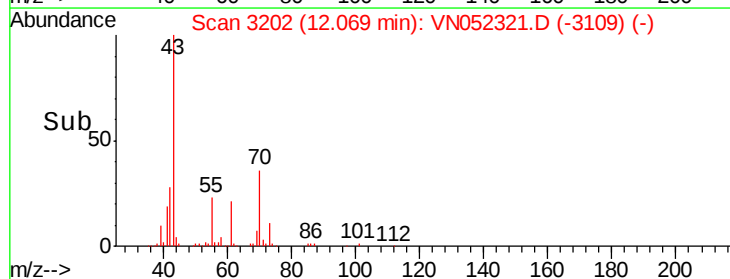
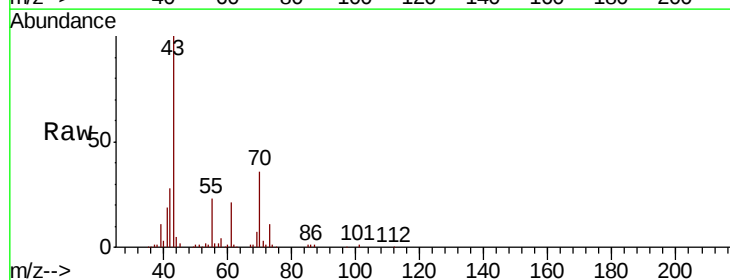
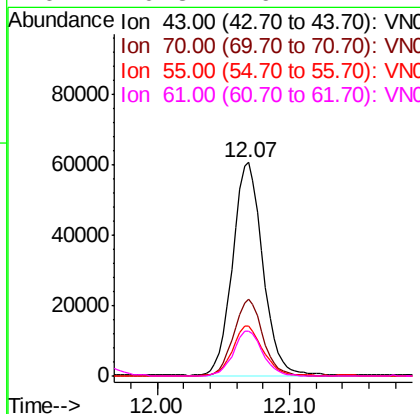
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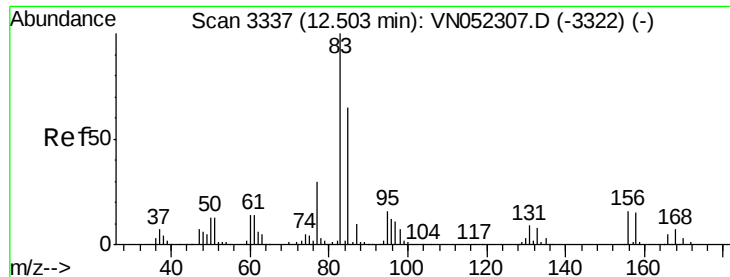
MMDadoda  
11/20/2018 2:53:34 PM



#74  
N-ethyl acetate  
Concen: 21.331 ug/l  
RT: 12.07 min Scan# 3202  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Tgt Ion: 43 Resp: 95796  
Ion Ratio Lower Upper  
43 100  
70 34.9 27.1 40.7  
55 23.9 17.4 26.0  
61 20.3 16.1 24.1





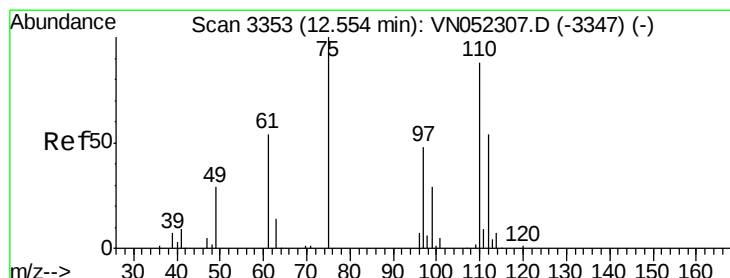
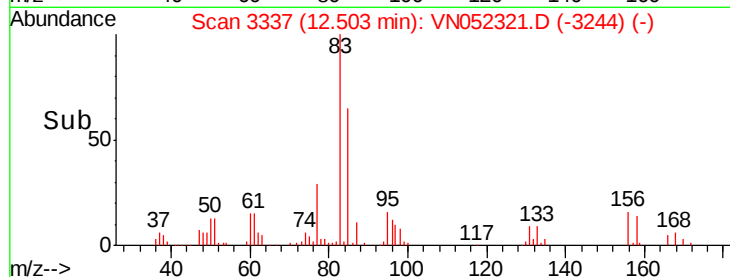
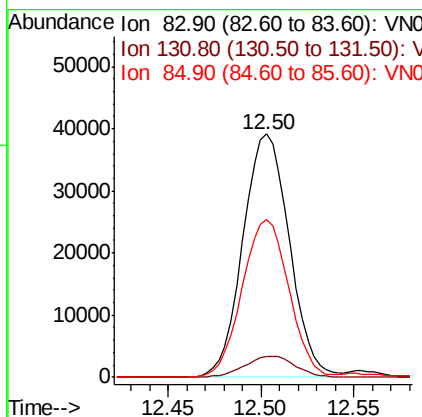
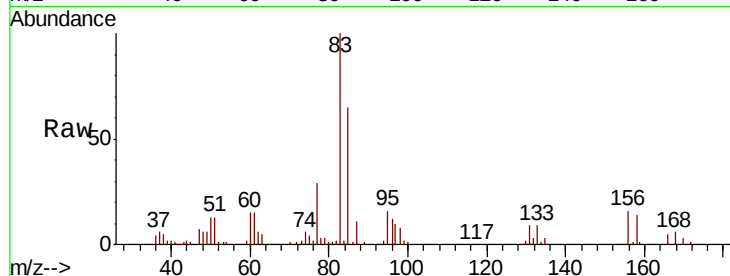
#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 22.345 ug/l  
 RT: 12.50 min Scan# 3337  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

| Tot Ion   | 83   | Resp  | 68107 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 131       | 9.4  | 4.7   | 14.1  |
| 85        | 65.2 | 32.4  | 97.2  |

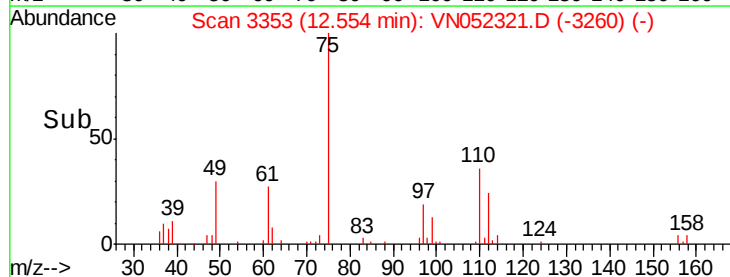
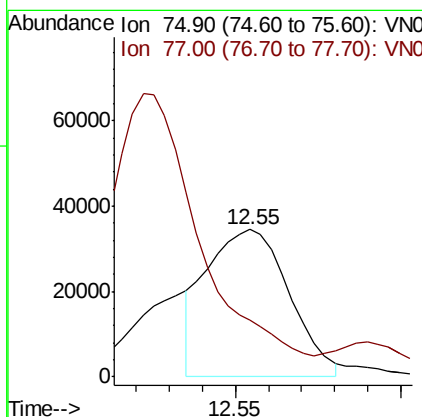
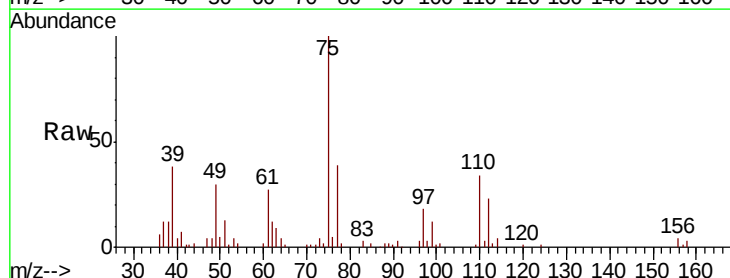
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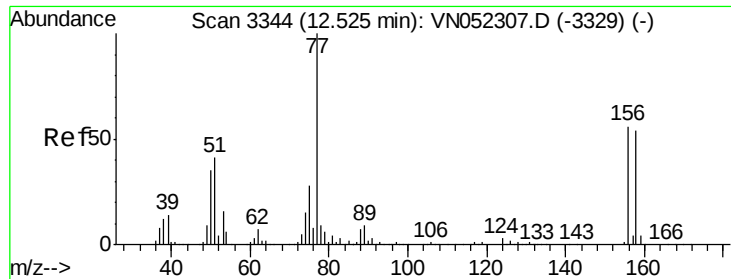
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#76  
 1,2,3-Trichloropropane  
 Concen: 22.429 ug/l m  
 RT: 12.55 min Scan# 3353  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

| Tgt Ion   | 75  | Resp  | 59684 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 75        | 100 |       |       |
| 77        | 0.0 | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 21.571 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

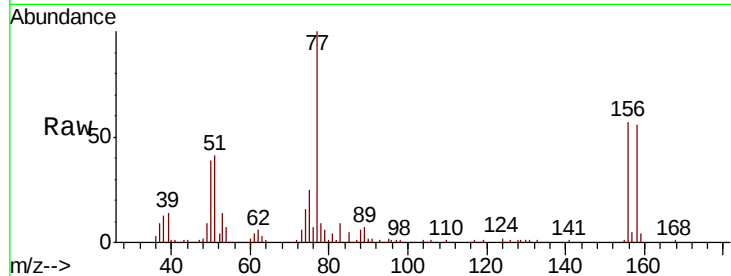
ClientSampleId :

VN1114WBSD01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 209.4 | 103.6 | 310.9 |       |
| 158     | 96.7  | 48.1  | 144.4 |       |

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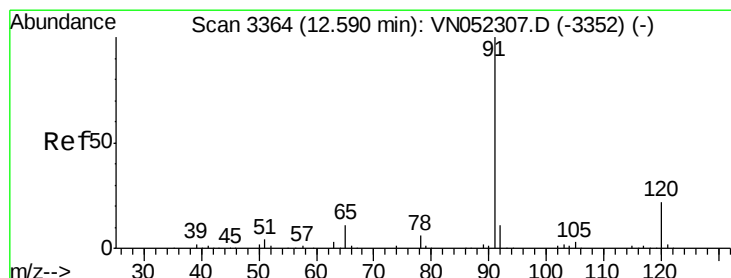
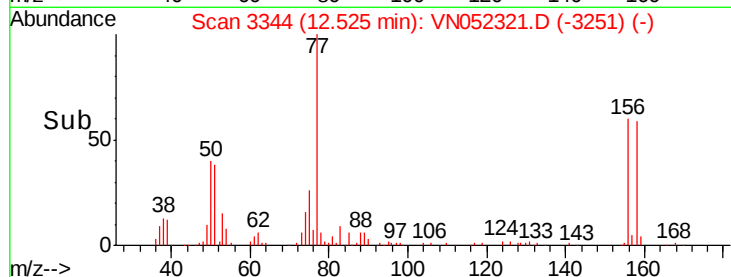
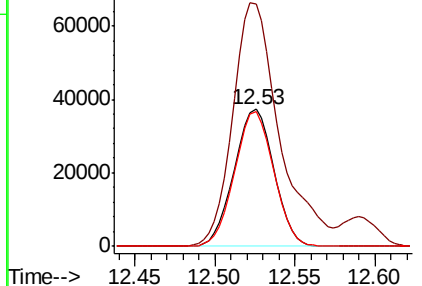
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.164 ug/l

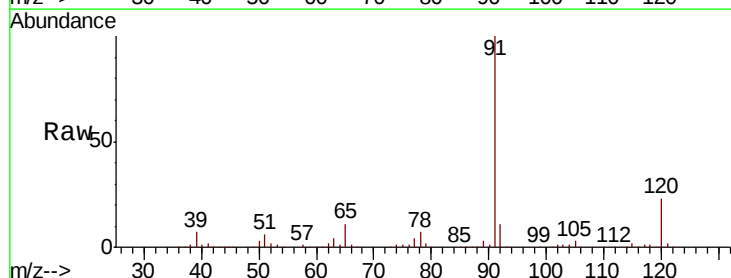
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052321.D

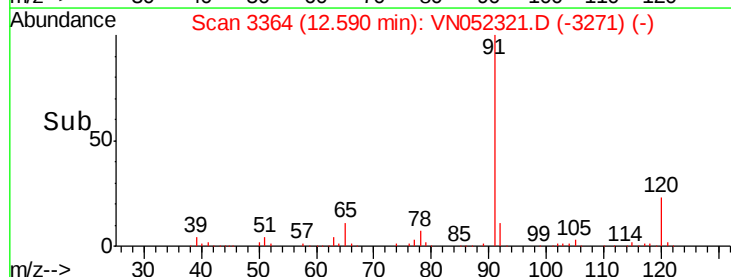
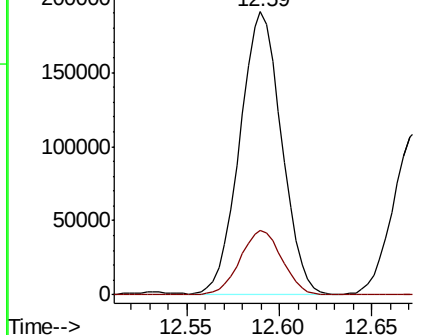
Acq: 14 Nov 2018 18:55

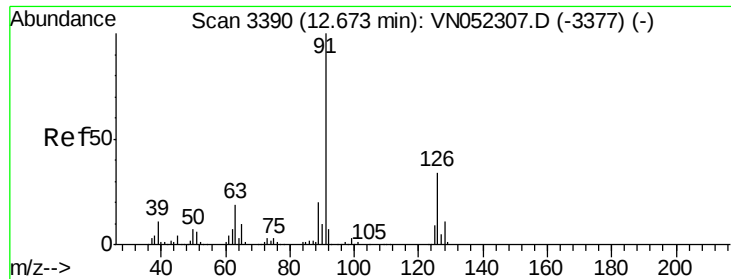
| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 22.9 | 11.1  | 33.1  |       |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.767 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 91 Resp: 178902

Ion Ratio Lower Upper

91 100

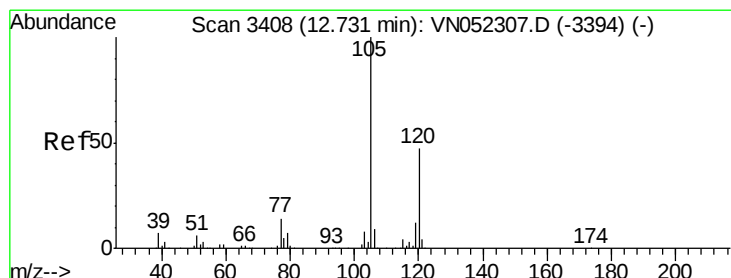
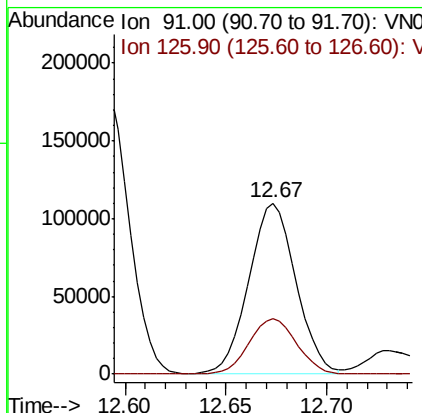
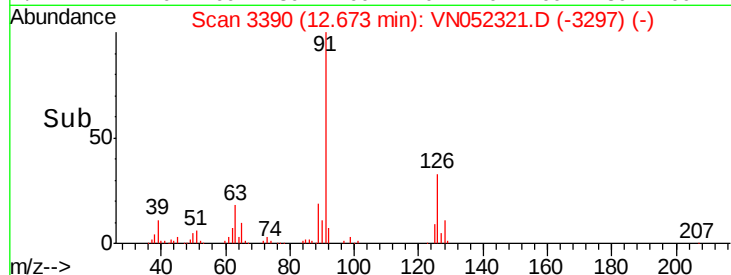
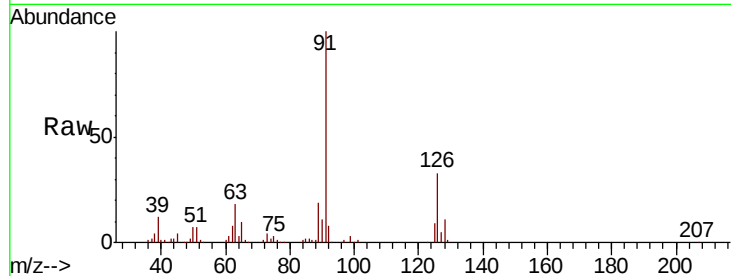
126 33.1 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.835 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052321.D

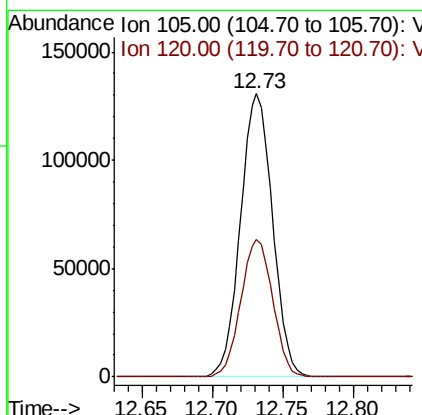
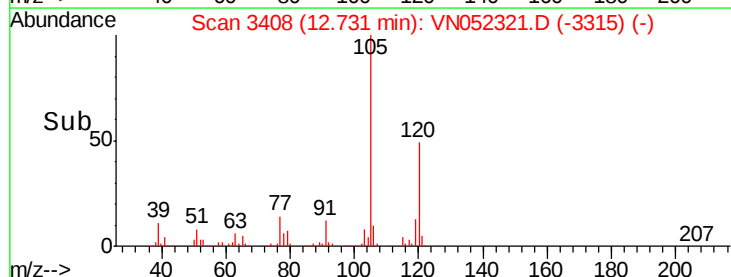
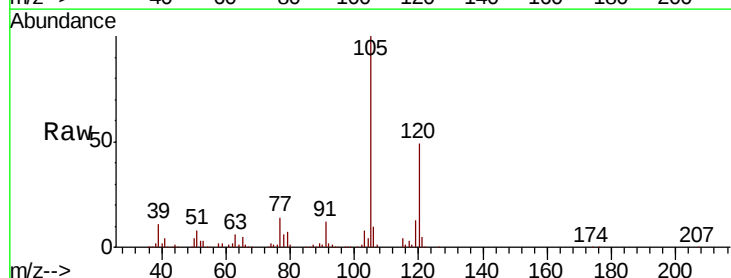
Acq: 14 Nov 2018 18:55

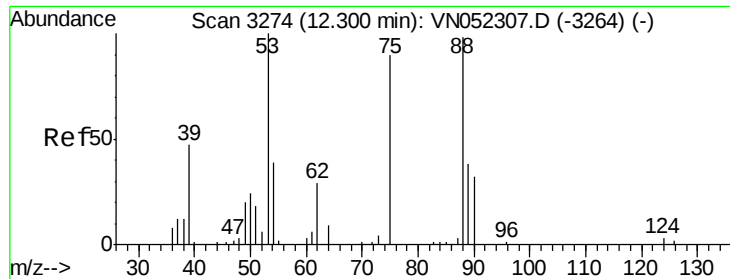
Tgt Ion: 105 Resp: 208913

Ion Ratio Lower Upper

105 100

120 48.3 23.7 71.1





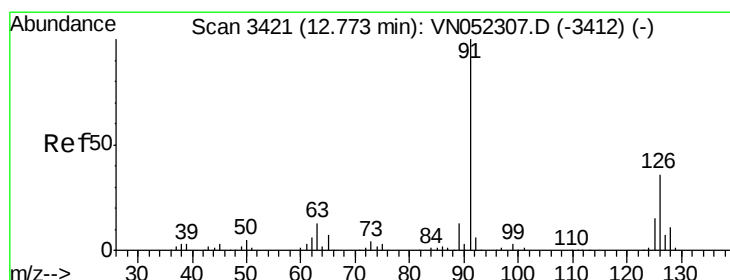
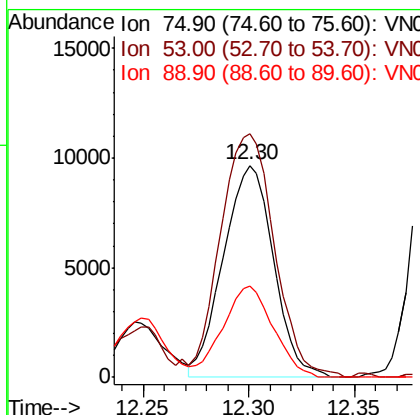
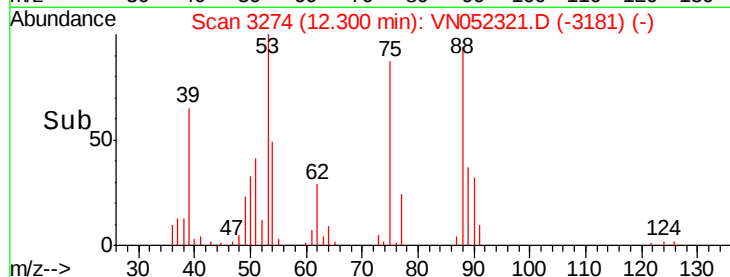
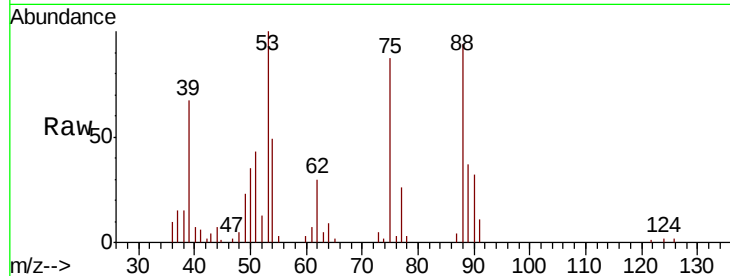
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.472 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 123.1 | 90.2  | 135.2 |
| 89      | 43.4  | 35.4  | 53.0  |

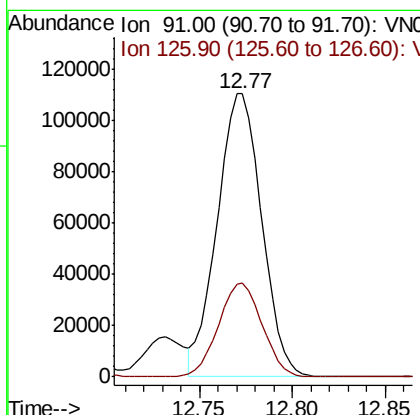
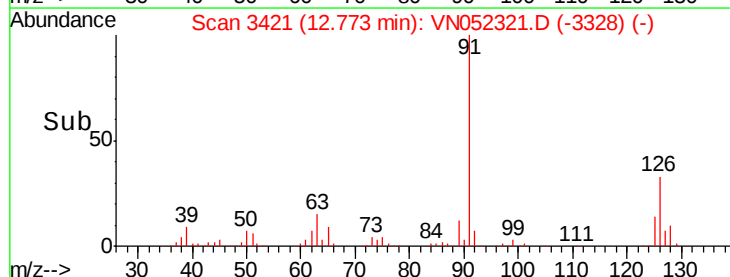
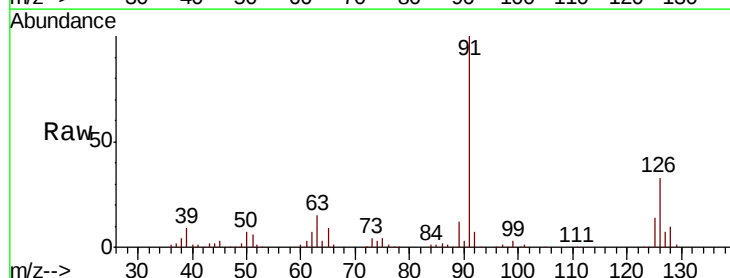
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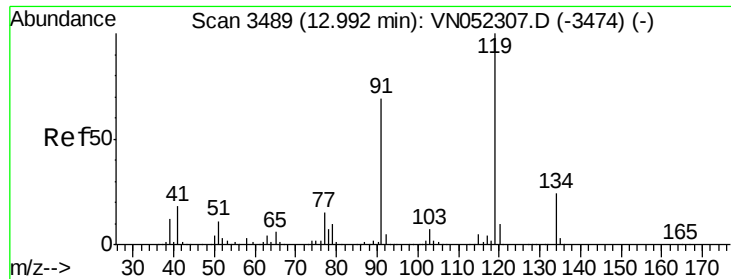
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#82  
4-Chlorotoluene  
Concen: 20.841 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.6  | 17.0  | 50.9  |





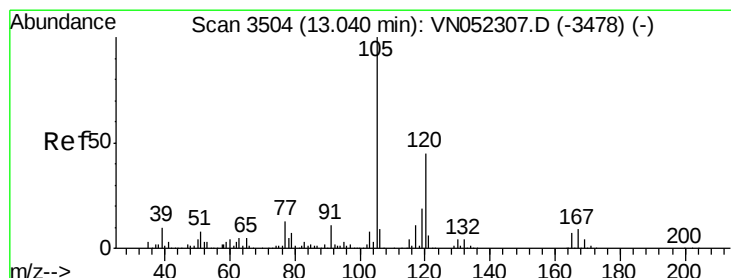
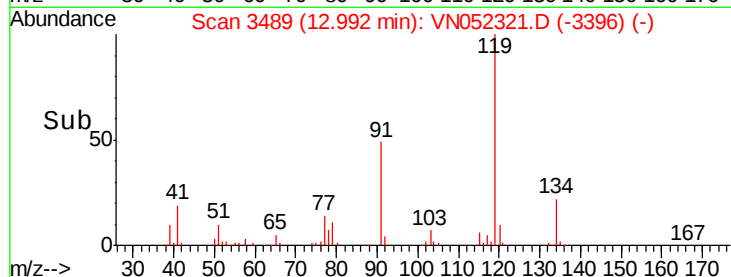
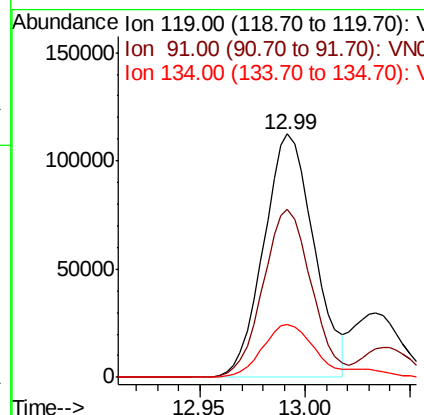
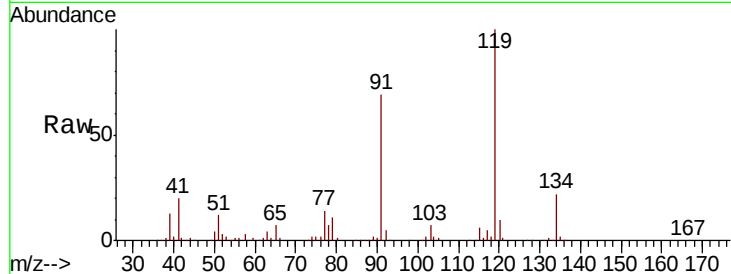
#83  
tert-Butylbenzene  
Concen: 21.082 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 66.7  | 33.8  | 101.3 |
| 134     | 22.6  | 11.9  | 35.9  |

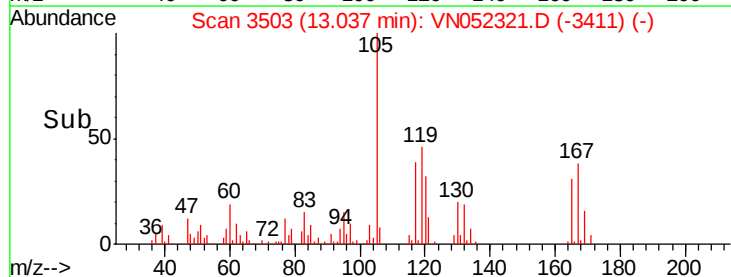
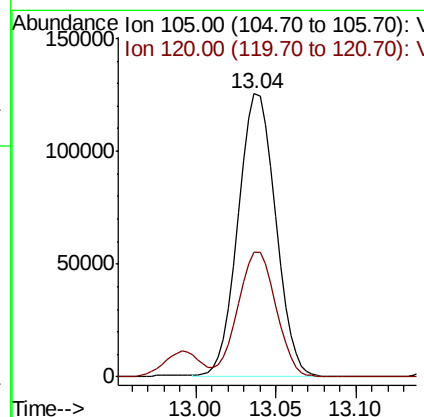
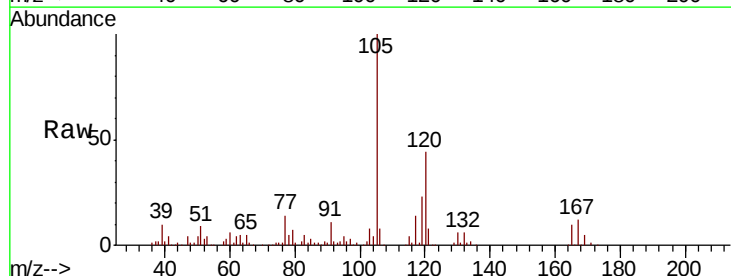
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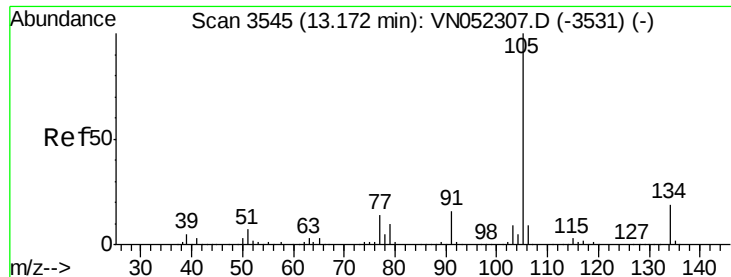
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 19.939 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. -0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.7  | 22.5  | 67.5  |





#85

sec-Butylbenzene

Concen: 19.753 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

Instrument :

MSVOA\_N

ClientSampleId :

VN1114WBSD01

Tot Ion:105 Resp: 238197

Ion Ratio Lower Upper

105 100

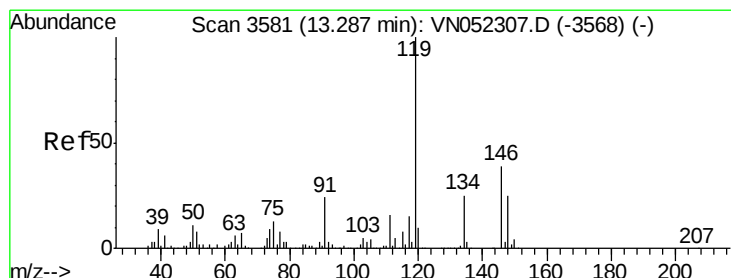
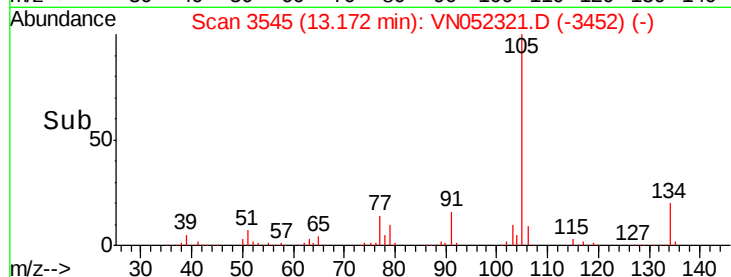
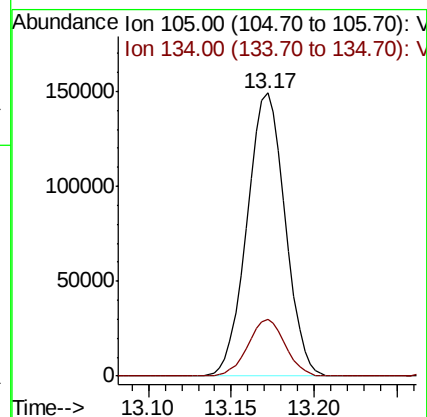
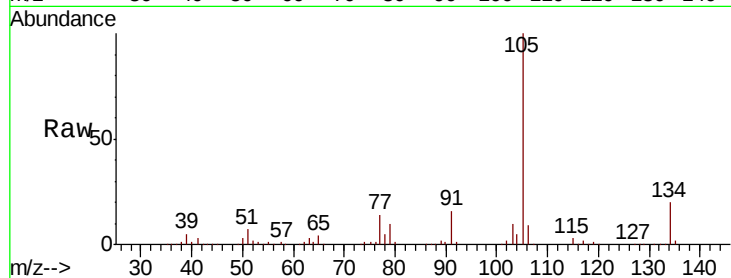
134 19.7 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 19.577 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052321.D

Acq: 14 Nov 2018 18:55

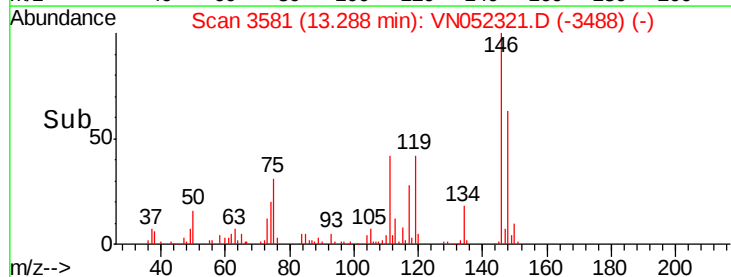
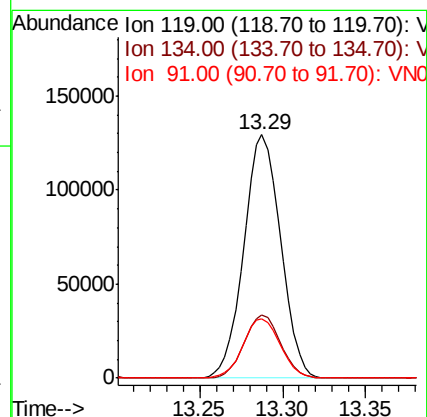
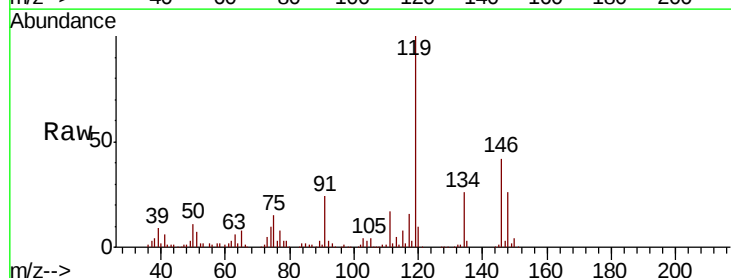
Tgt Ion:119 Resp: 199971

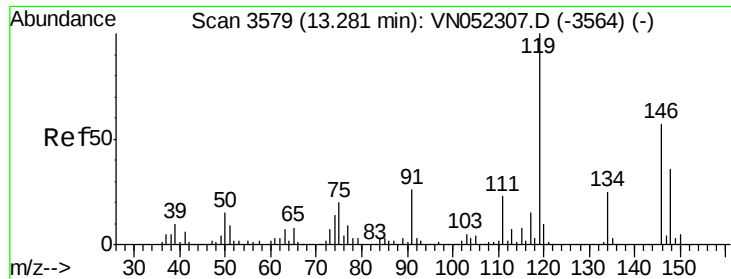
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 24.7 12.4 37.0





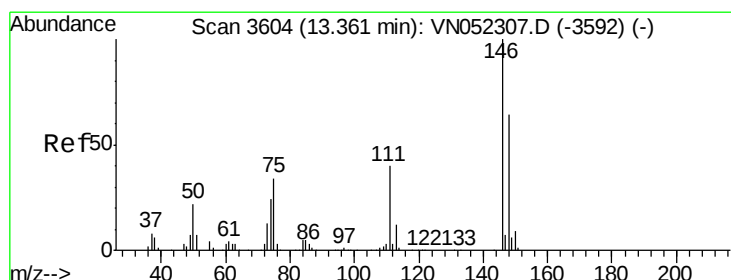
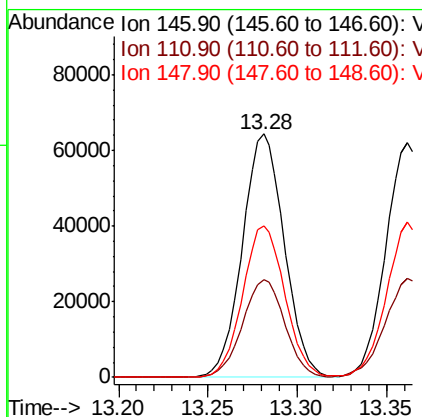
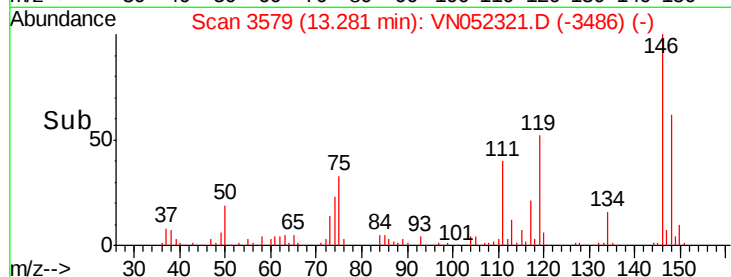
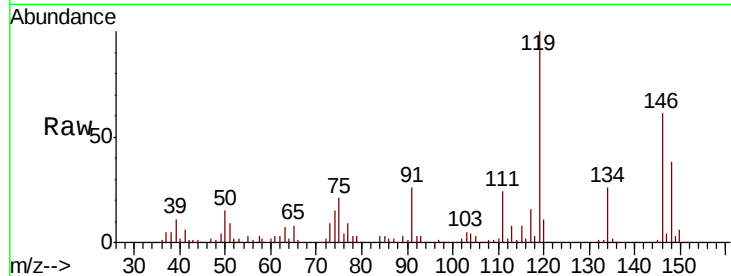
#87  
 1,3-Dichlorobenzene  
 Concen: 20.321 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 20.3  | 61.0  |
| 148     | 62.3  | 31.8  | 95.4  |

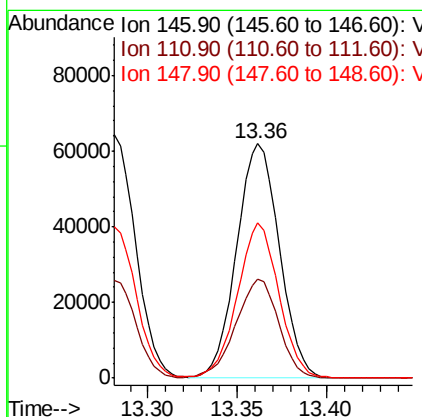
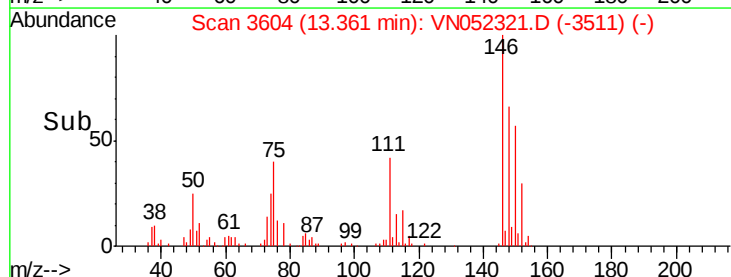
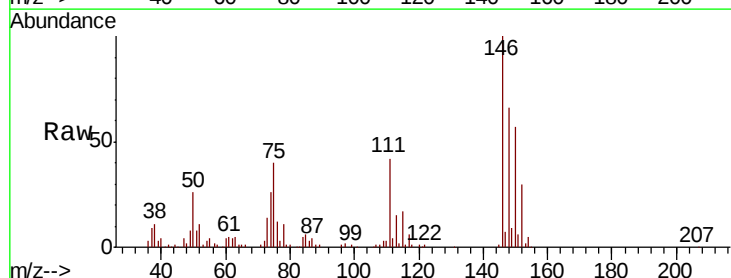
Manual Integrations  
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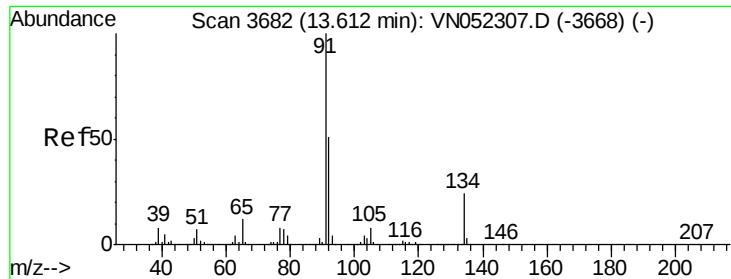
MMDadoda  
 11/20/2018 2:53:34 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.971 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.3  | 20.6  | 61.8  |
| 148     | 64.3  | 32.4  | 97.2  |





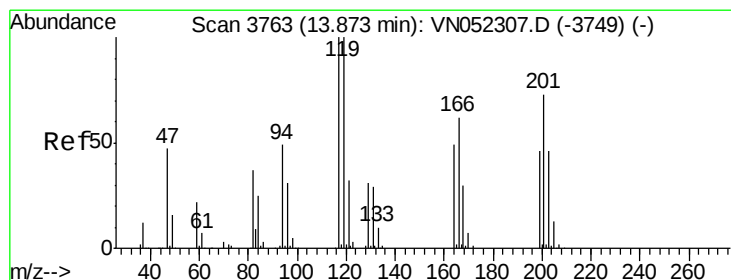
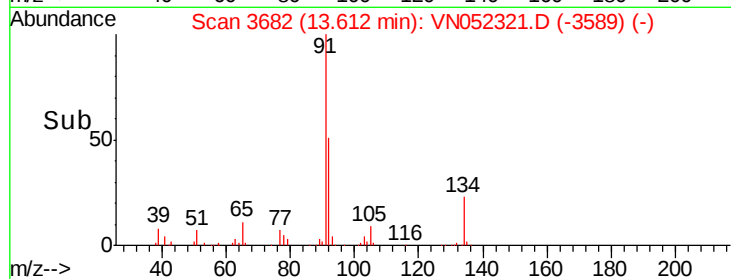
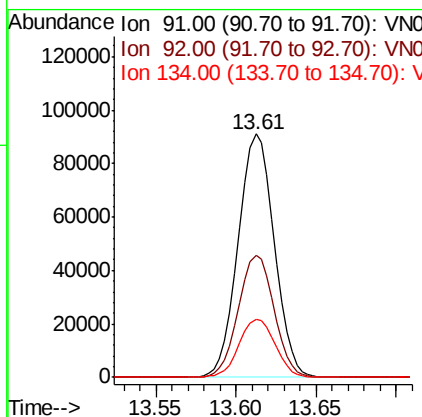
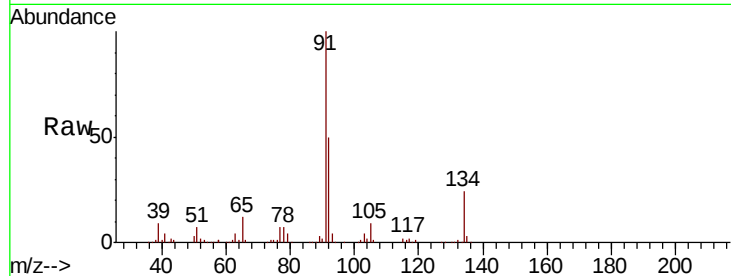
#89  
n-Butylbenzene  
Concen: 15.922 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 49.6  | 25.4  | 76.2  |
| 134     | 24.0  | 12.2  | 36.4  |

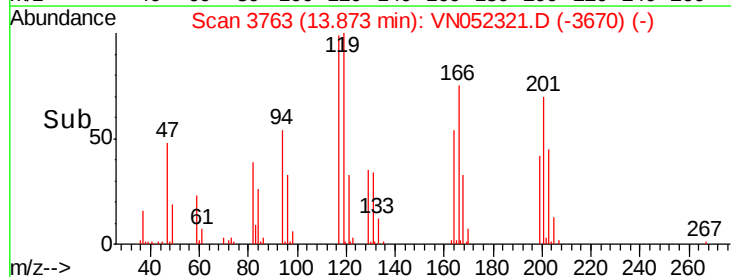
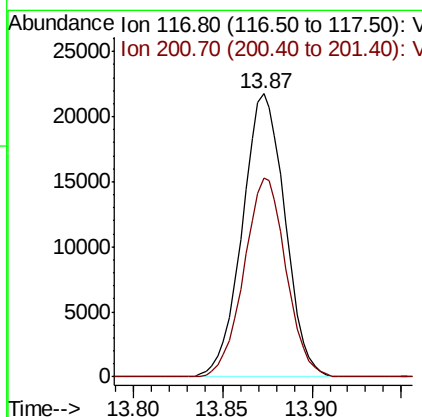
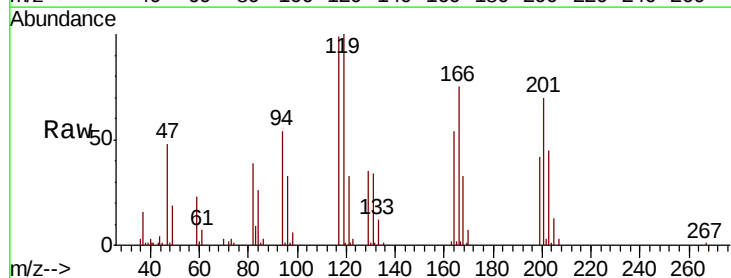
Manual Integrations  
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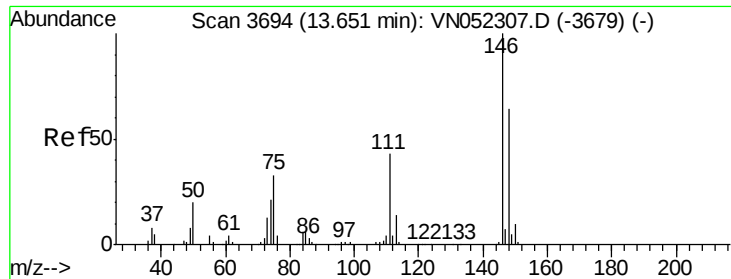
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#90  
Hexachloroethane  
Concen: 20.094 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 69.3  | 35.3  | 105.9 |





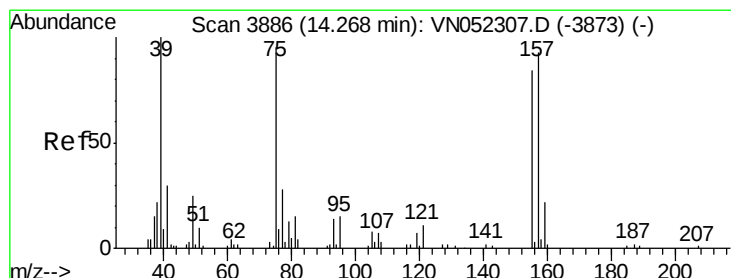
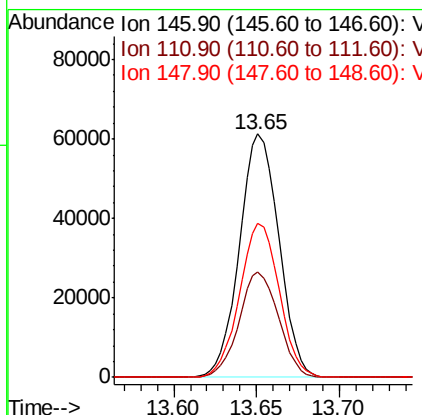
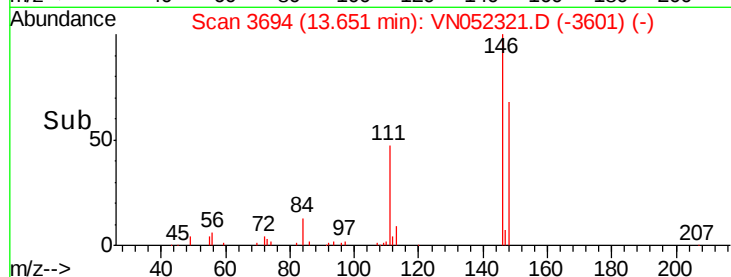
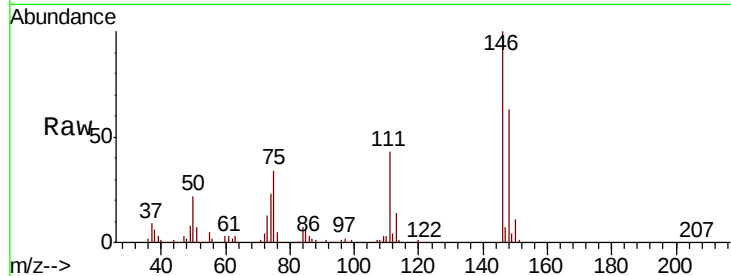
#91  
 1,2-Dichlorobenzene  
 Concen: 20.075 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.1  | 21.3  | 63.9  |
| 148     | 63.6  | 31.6  | 94.8  |

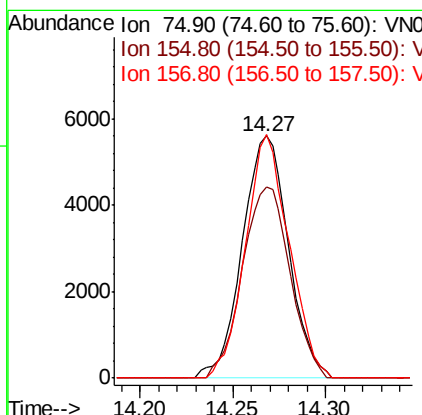
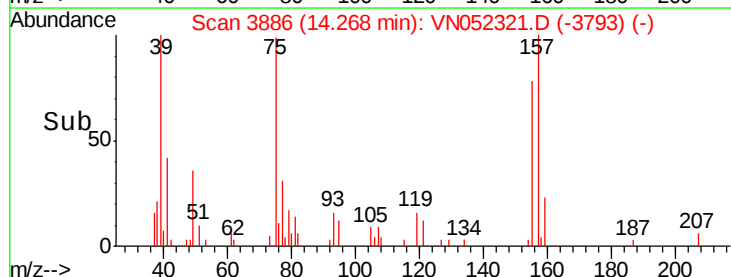
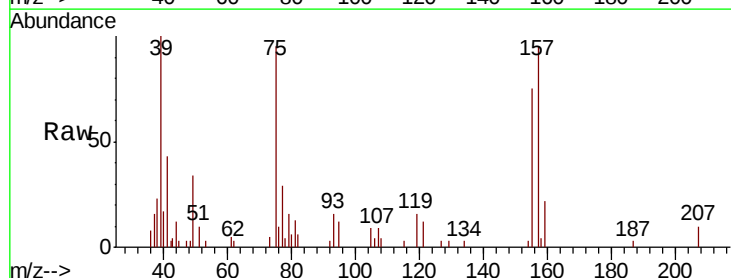
Manual Integrations  
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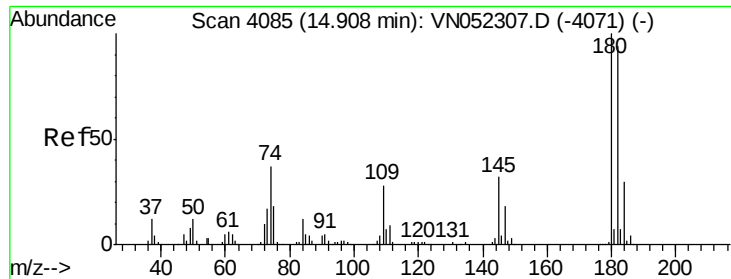
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.486 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 81.4  | 42.4  | 127.3 |
| 157     | 95.1  | 49.6  | 149.0 |





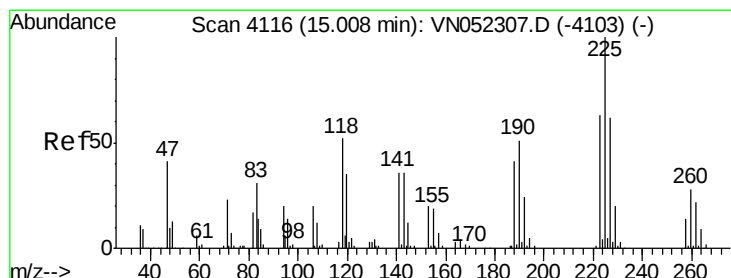
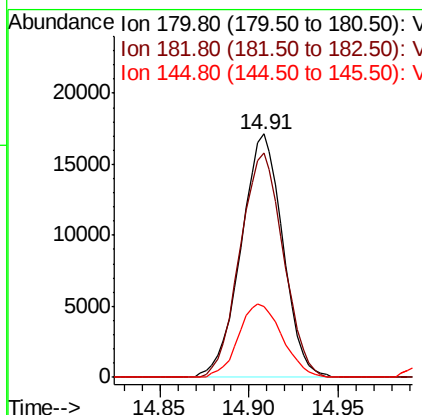
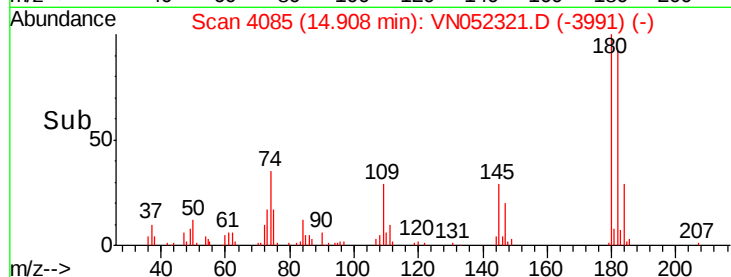
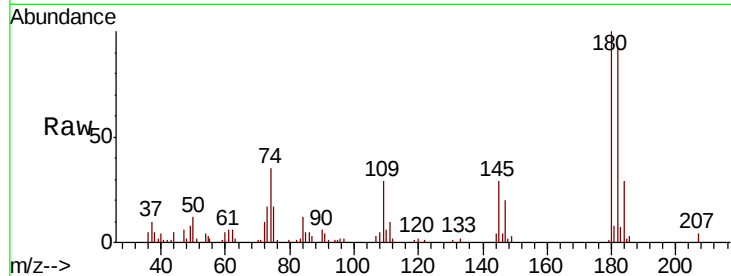
#93  
 1,2,4-Trichlorobenzene  
 Concen: 13.607 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.5  | 47.6  | 142.9 |
| 145     | 31.6  | 15.5  | 46.5  |

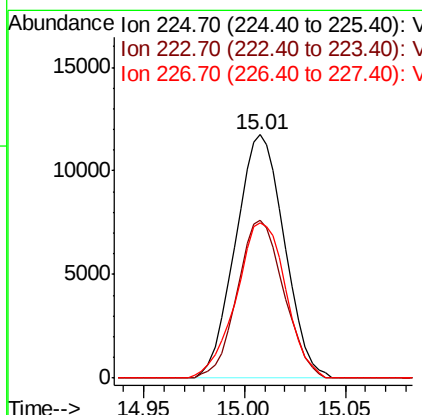
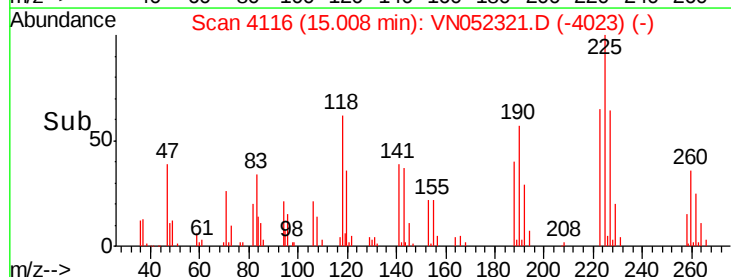
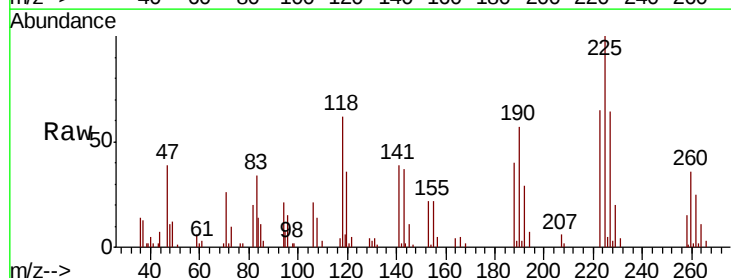
Manual Integrations  
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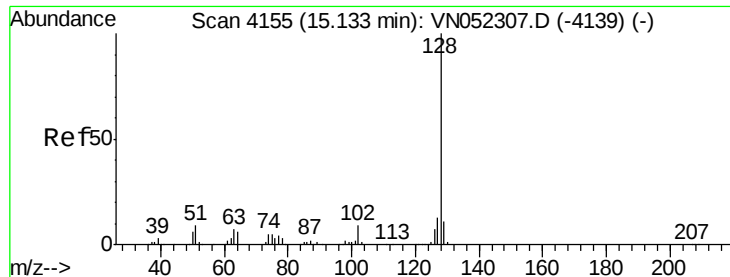
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#94  
 Hexachlorobutadiene  
 Concen: 17.253 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN052321.D  
 Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.5  | 31.9  | 95.5  |
| 227     | 64.7  | 31.6  | 95.0  |





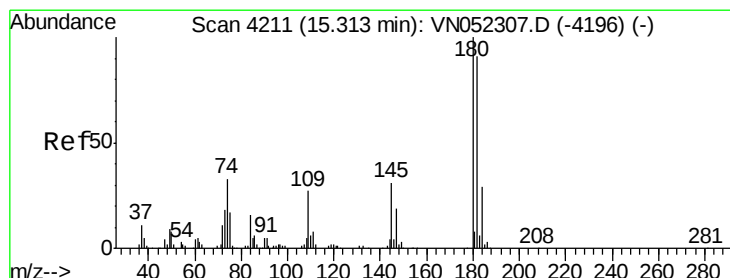
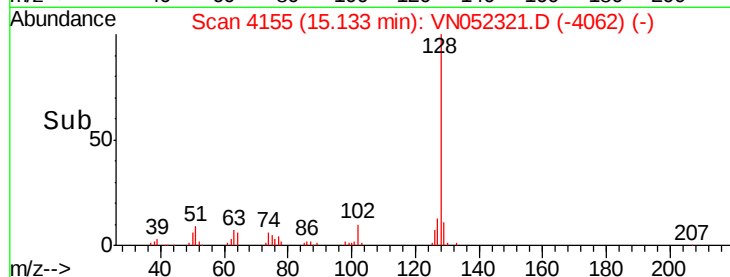
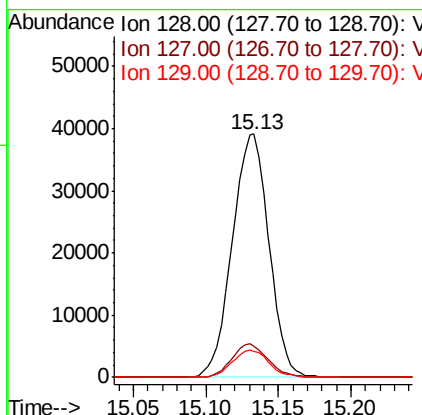
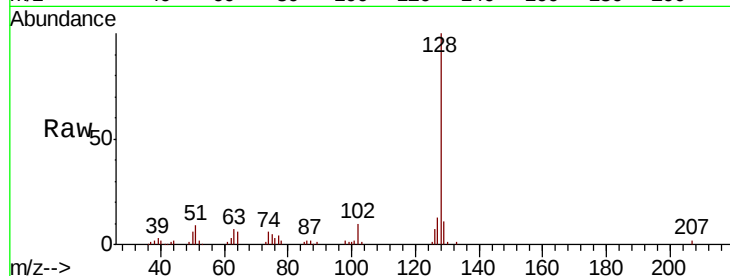
#95  
Naphthalene  
Concen: 14.313 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1114WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.5  | 10.4  | 15.6  |
| 129     | 11.1  | 8.6   | 13.0  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 13.918 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN052321.D  
Acq: 14 Nov 2018 18:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.8  | 46.5  | 139.3 |
| 145     | 34.5  | 16.4  | 49.2  |

