

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\  
 Data File : VN064712.D  
 Acq On : 18 Nov 2020 17:23  
 Operator : JC/MD  
 Sample : VN1118MBS01  
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/19/2020 2:10:53 PM

Quant Time: Nov 18 18:06:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 18 15:29:54 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 259666   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 457057   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 429133   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 192046   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.98   | 65  | 226689   | 49.63 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.26%  |      |
| 35) Dibromofluoromethane  | 7.55   | 113 | 131285   | 50.47 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.94% |      |
| 50) Toluene-d8            | 10.06  | 98  | 569680   | 48.18 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.36%  |      |
| 62) 4-Bromofluorobenzene  | 12.37  | 95  | 207423   | 46.94 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.88%  |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 57712  | 17.787  | ug/l   | 99     |
| 3) Chloromethane              | 2.04 | 50  | 64345  | 17.935  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.17 | 62  | 67029  | 17.905  | ug/l   | 99     |
| 5) Bromomethane               | 2.54 | 94  | 50539  | 18.410  | ug/l   | 96     |
| 6) Chloroethane               | 2.68 | 64  | 47053  | 18.629  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 2.99 | 101 | 120486 | 17.970  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.37 | 74  | 40960  | 18.933  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.71 | 101 | 53699  | 18.533  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.91 | 142 | 61487  | 17.752  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.74 | 59  | 46144  | 104.124 | ug/l # | 80     |
| 12) 1,1-Dichloroethene        | 3.69 | 96  | 50906  | 18.235  | ug/l   | 93     |
| 13) Acrolein                  | 3.57 | 56  | 10644  | 102.588 | ug/l   | 97     |
| 14) Allyl chloride            | 4.27 | 41  | 89470  | 18.665  | ug/l   | 97     |
| 15) Acrylonitrile             | 4.93 | 53  | 126132 | 96.929  | ug/l   | 99     |
| 16) Acetone                   | 3.78 | 43  | 103702 | 96.994  | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.01 | 76  | 145467 | 18.002  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.28 | 43  | 58617  | 18.354  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 179801 | 19.248  | ug/l   | 96     |
| 20) Methylene Chloride        | 4.50 | 84  | 61366  | 18.142  | ug/l   | 93     |
| 21) trans-1,2-Dichloroethene  | 4.98 | 96  | 54685  | 17.555  | ug/l   | 98     |
| 22) Diisopropyl ether         | 5.90 | 45  | 192824 | 19.048  | ug/l   | 95     |
| 23) Vinyl Acetate             | 5.84 | 43  | 789206 | 96.602  | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.79 | 63  | 112623 | 18.989  | ug/l   | 97     |
| 25) 2-Butanone                | 6.79 | 43  | 172386 | 98.708  | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.78 | 77  | 101677 | 18.041  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 64409  | 18.755  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.15 | 49  | 55539  | 18.572  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.17 | 42  | 113780 | 96.424  | ug/l   | 99     |
| 30) Chloroform                | 7.33 | 83  | 122057 | 18.938  | ug/l   | 99     |
| 31) Cyclohexane               | 7.61 | 56  | 89434  | 18.110  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 107287 | 18.212  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 83991  | 17.862  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.88 | 43  | 79035  | 20.073  | ug/l # | 81     |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 92431  | 18.496  | ug/l   | 98     |

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 Sample : VN1118MBS01  
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/19/2020 2:10:53 PM

Quant Time: Nov 18 18:06:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 18 15:29:54 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 75641    | 18.155  | ug/l   | 96       |
| 40) Benzene                    | 8.00  | 78   | 244058   | 18.628  | ug/l   | 96       |
| 41) Methacrylonitrile          | 7.12  | 41   | 35041    | 19.417  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 8.08  | 62   | 108310   | 19.214  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.13  | 43   | 144034   | 18.873  | ug/l   | 99       |
| 44) Trichloroethene            | 8.80  | 130  | 68244    | 18.150  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 65806    | 18.843  | ug/l   | 95       |
| 46) Dibromomethane             | 9.17  | 93   | 46447    | 18.762  | ug/l   | 95       |
| 47) Bromodichloromethane       | 9.37  | 83   | 97793    | 18.791  | ug/l   | 95       |
| 48) Methyl methacrylate        | 9.16  | 41   | 66631    | 18.504  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.16  | 88   | 18209    | 405.313 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 406003   | 92.097  | ug/l   | 100      |
| 52) Toluene                    | 10.12 | 92   | 148833   | 18.444  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 104959   | 18.844  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.80  | 75   | 107207   | 18.693  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 62107    | 19.189  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 85025    | 17.823  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 105328   | 18.787  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 239033   | 91.189  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.72 | 43   | 286535   | 90.247  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.87 | 129  | 69457    | 18.575  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.97 | 107  | 63194    | 18.306  | ug/l   | 96       |
| 64) Tetrachloroethene          | 10.60 | 164  | 71917    | 18.904  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.40 | 112  | 162536   | 17.806  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 61812    | 18.122  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.48 | 91   | 289840   | 18.008  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.59 | 106  | 209105   | 34.757  | ug/l   | 100      |
| 69) o-Xylene                   | 11.92 | 106  | 100468   | 17.892  | ug/l   | 98       |
| 70) Styrene                    | 11.94 | 104  | 169368   | 17.218  | ug/l   | 97       |
| 71) Bromoform                  | 12.10 | 173  | 43630    | 18.097  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.22 | 105  | 261762   | 19.197  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.04 | 43   | 118467   | 18.604  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 74624    | 19.575  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 88102m   | 21.291  | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 66219    | 19.255  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.56 | 91   | 311817   | 19.637  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 195291   | 19.216  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.70 | 105  | 221702   | 19.573  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 27611    | 18.199  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 207514   | 19.149  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.97 | 119  | 175685   | 20.050  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 231100   | 19.991  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.14 | 105  | 228849   | 19.594  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 211539   | 19.693  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.25 | 146  | 115080   | 18.366  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.33 | 146  | 120152   | 18.678  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.59 | 91   | 187016   | 18.650  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.85 | 117  | 34905    | 19.657  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.62 | 146  | 113932   | 18.604  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 18440    | 18.433  | ug/l   | 99       |

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Sample : VN1118MBS01  
Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

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Quant Time: Nov 18 18:06:42 2020  
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Quant Title : SW846 8260  
QLast Update : Wed Nov 18 15:29:54 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 60063    | 18.876 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 26502    | 19.115 | ug/l  | 97       |
| 95) Naphthalene            | 15.10 | 128  | 192733   | 17.855 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 57874    | 18.596 | ug/l  | 99       |

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

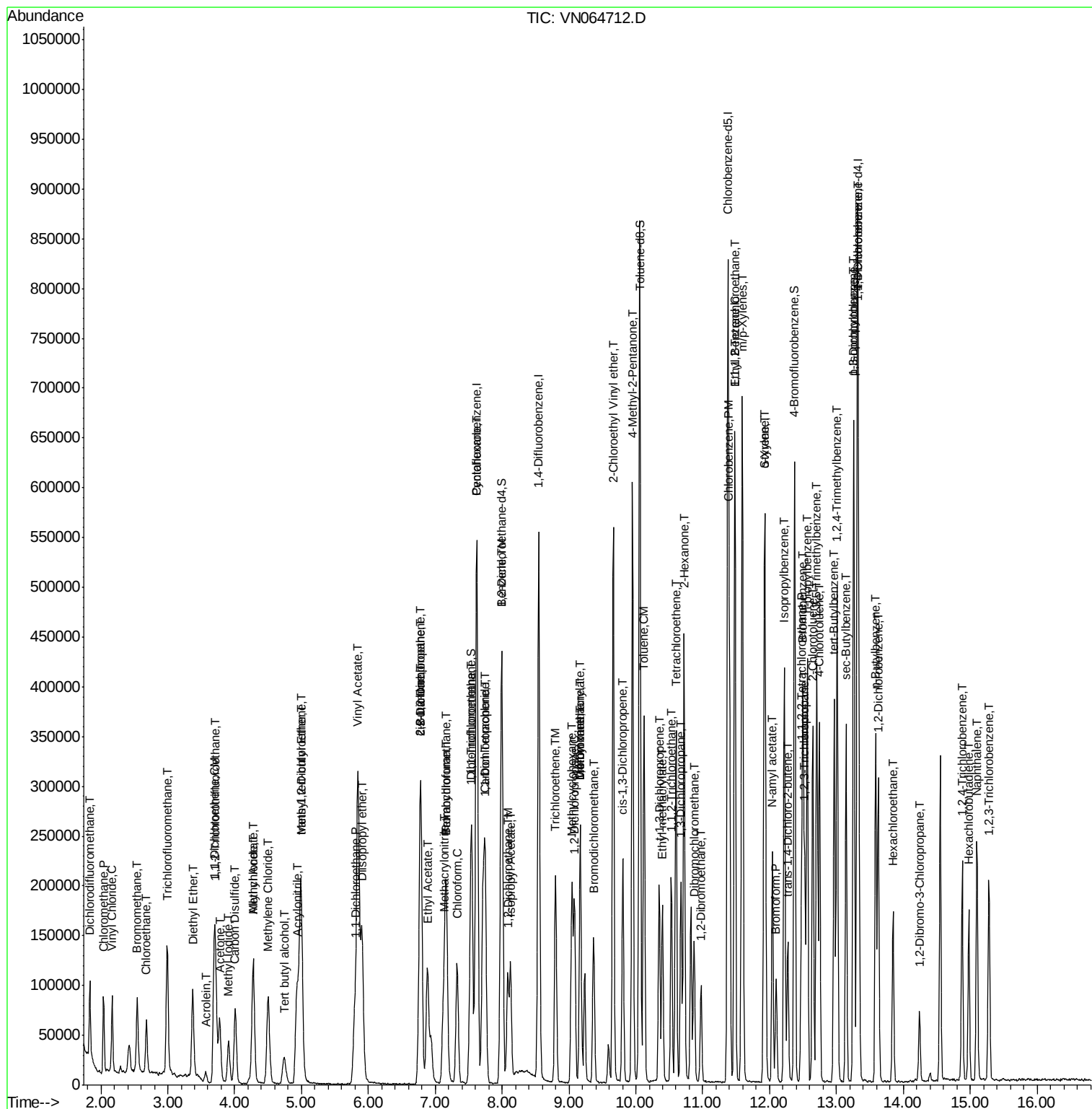
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 Acq On : 18 Nov 2020 17:23  
 Operator : JC/MD  
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 ALS Vial : 15 Sample Multiplier: 1

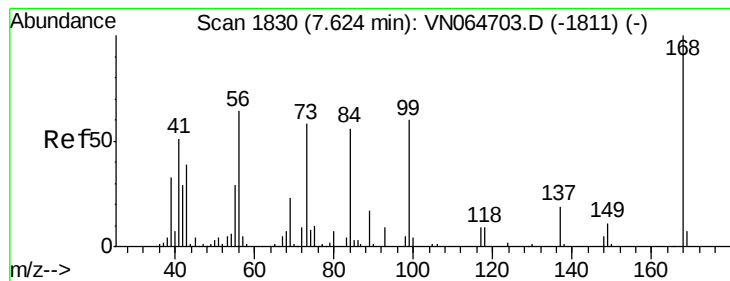
Instrument :  
 MSVOA\_N  
 Client Sample ID :  
 VN1118MBS01

Manual Integrations  
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MMDadoda  
 11/19/2020 2:10:53 PM

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1118MBS01

Tot Ion:168 Resp: 259666

Ion Ratio Lower Upper

168 100

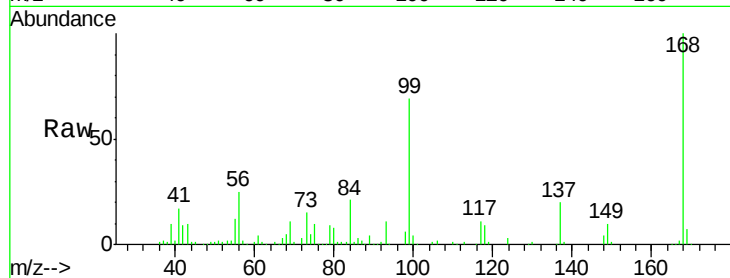
99 68.4 55.7 83.5

Manual Integrations

APPROVED

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11/19/2020 2:10:53 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

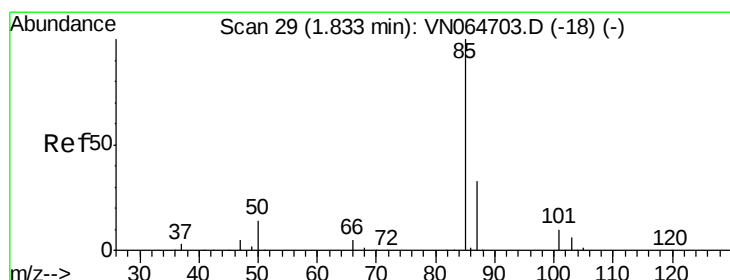
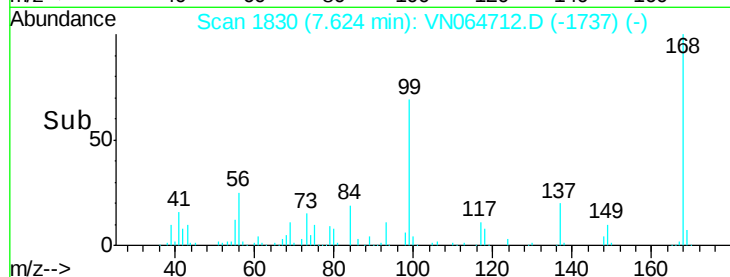
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.787 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064712.D

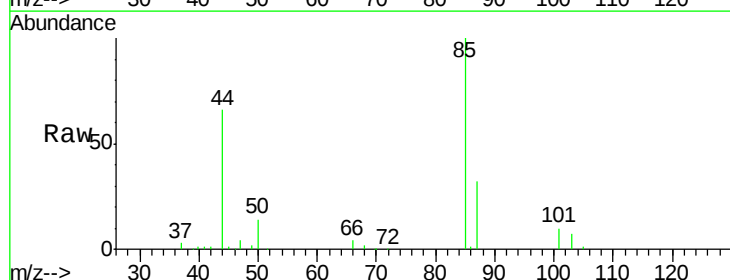
Acq: 18 Nov 2020 17:23

Tgt Ion: 85 Resp: 57712

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

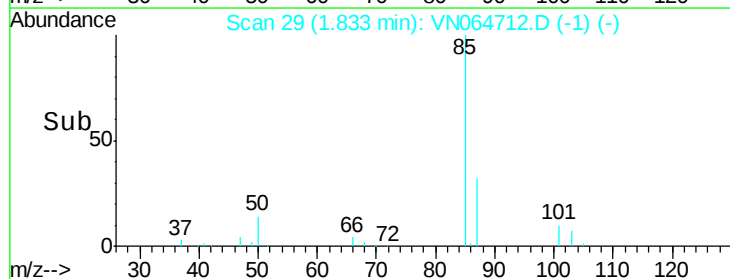
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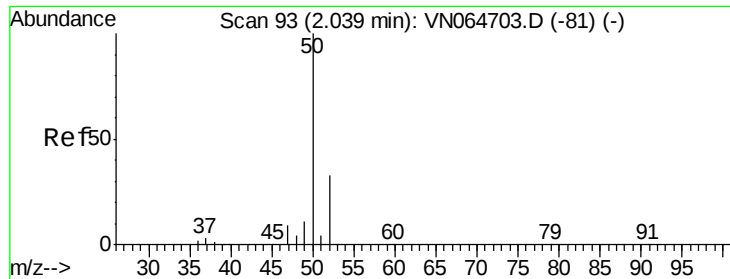
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10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.935 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1118MBS01

Tot Ion: 50 Resp: 64345

Ion Ratio Lower Upper

50 100

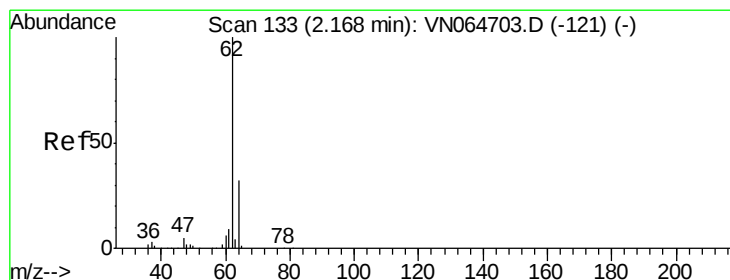
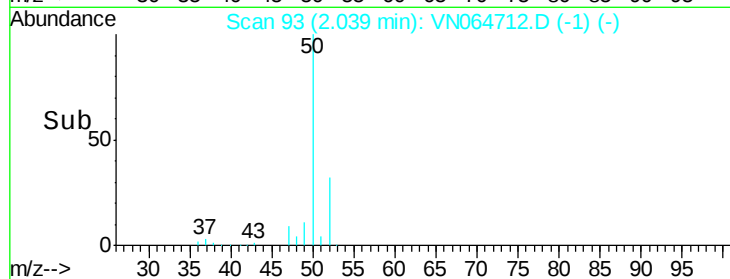
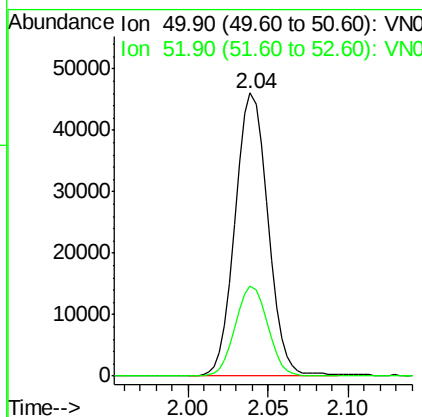
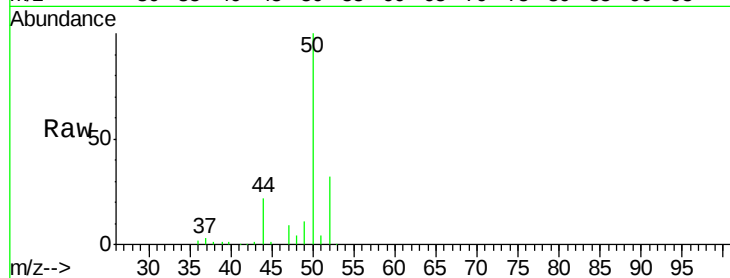
52 32.0 26.4 39.6

Manual Integrations

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11/19/2020 2:10:53 PM



#4

Vinyl Chloride

Concen: 17.905 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064712.D

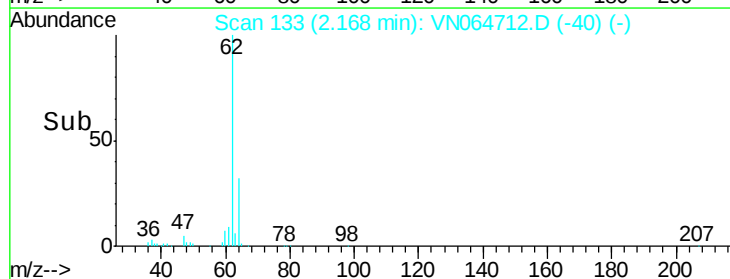
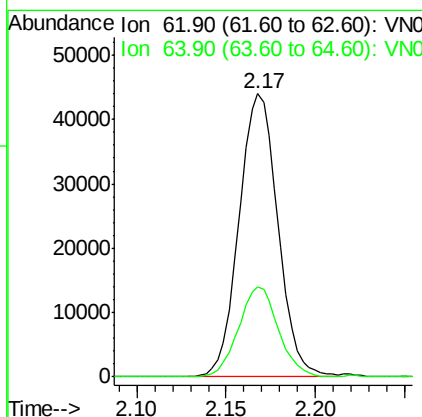
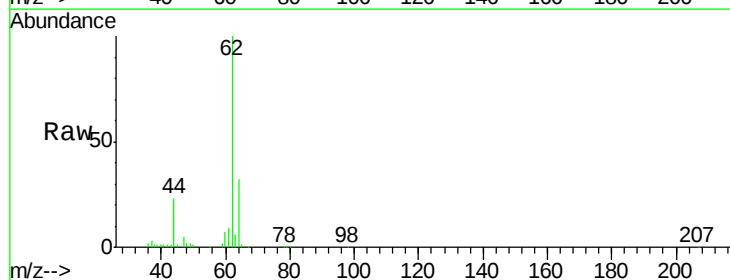
Acq: 18 Nov 2020 17:23

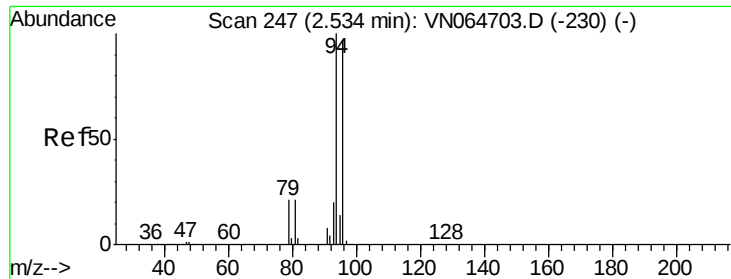
Tgt Ion: 62 Resp: 67029

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 18.410 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1118MBS01

Tot Ion: 94 Resp: 50539

Ion Ratio Lower Upper

94 100

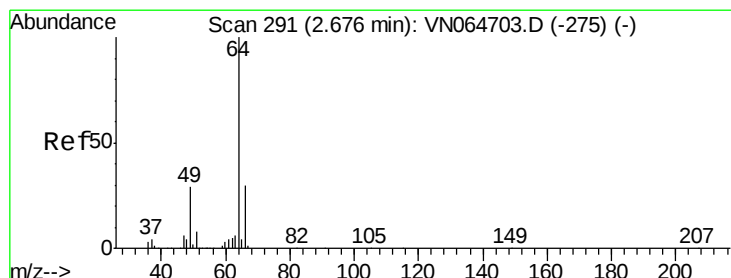
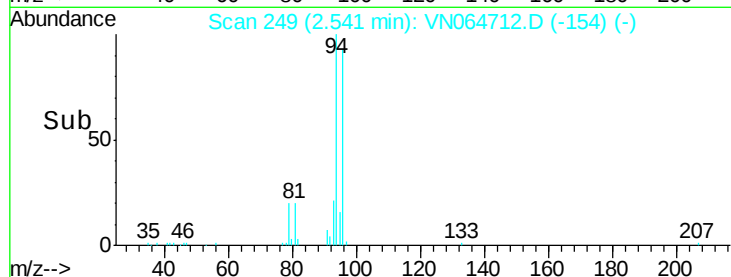
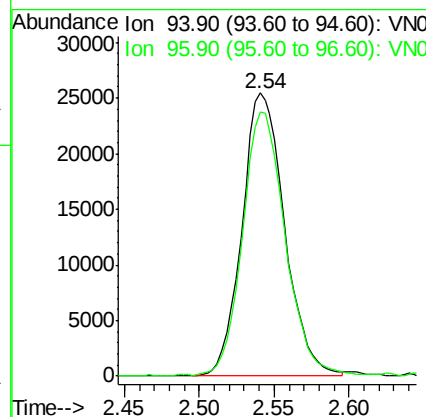
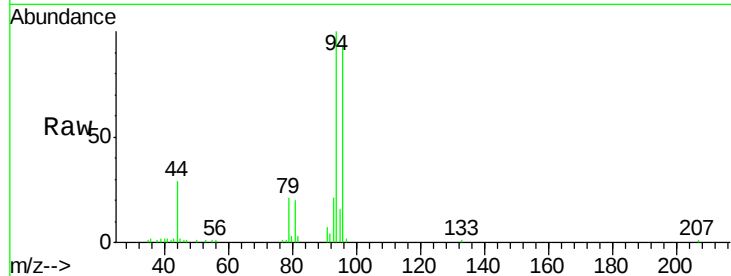
96 93.4 77.8 116.8

Manual Integrations

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11/19/2020 2:10:53 PM



#6

Chloroethane

Concen: 18.629 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN064712.D

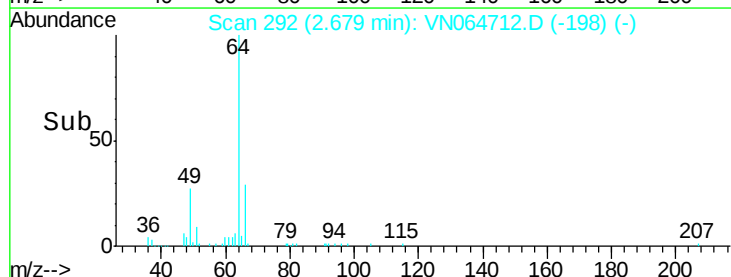
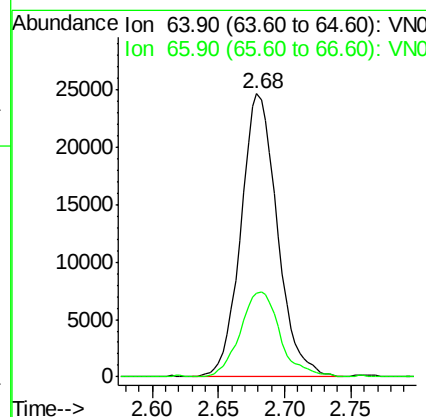
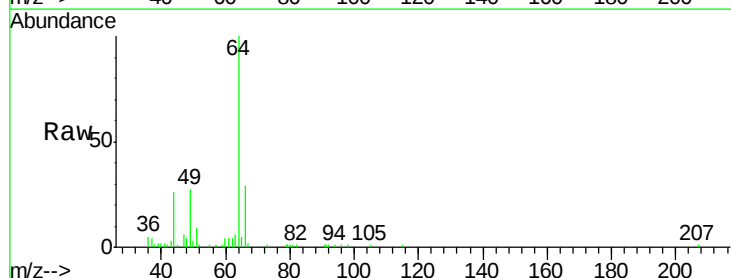
Acq: 18 Nov 2020 17:23

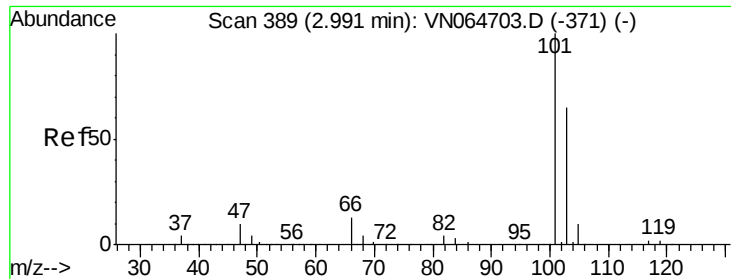
Tgt Ion: 64 Resp: 47053

Ion Ratio Lower Upper

64 100

66 29.5 24.2 36.2





#7

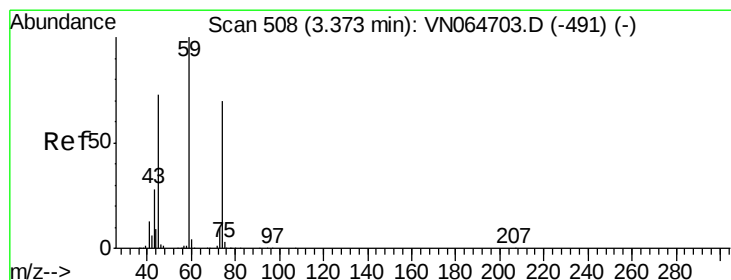
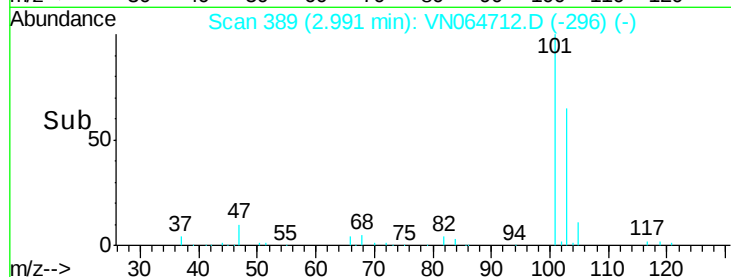
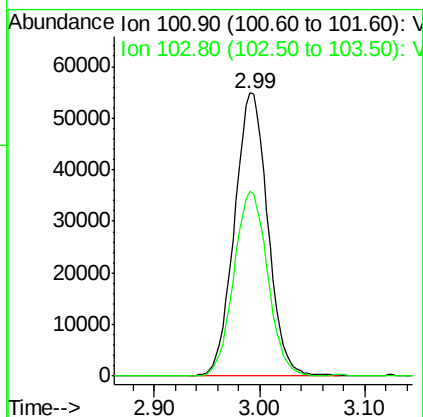
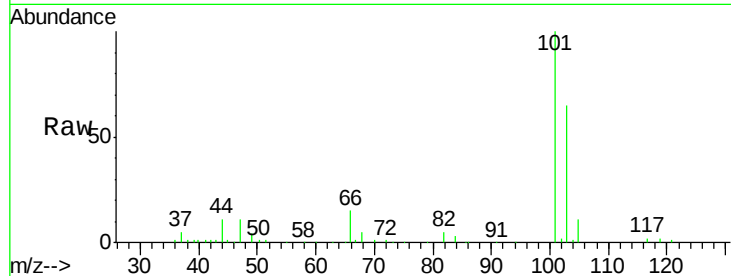
Trichlorofluoromethane  
Concen: 17.970 ug/l  
RT: 2.99 min Scan# 389  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 120486 |       |       |
| 103     | 65.2  | 51.8   | 77.6  |       |

Manual Integrations  
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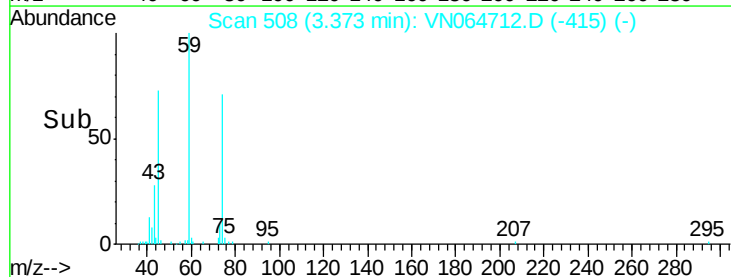
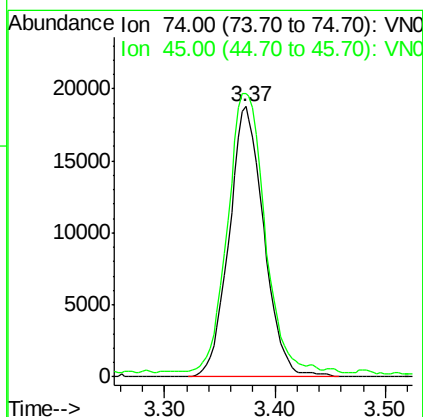
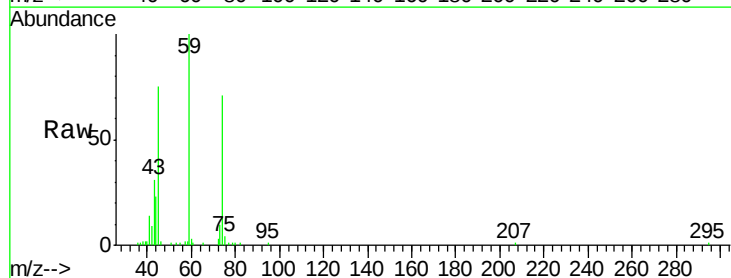
MMDadoda  
11/19/2020 2:10:53 PM

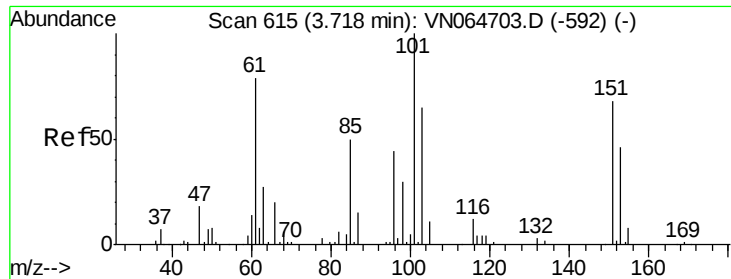


#8

Diethyl Ether  
Concen: 18.933 ug/l  
RT: 3.37 min Scan# 508  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 40960 |       |       |
| 45      | 108.5 | 52.8  | 158.5 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.533 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

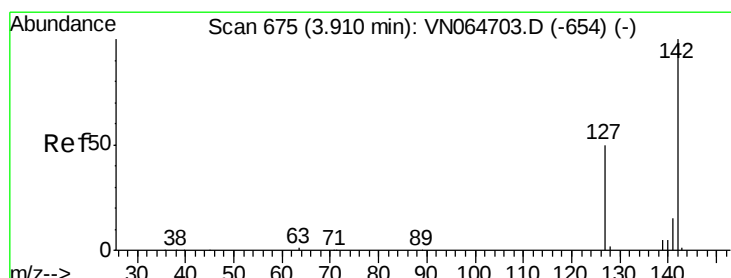
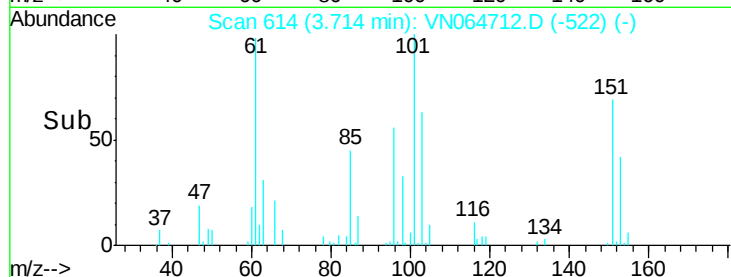
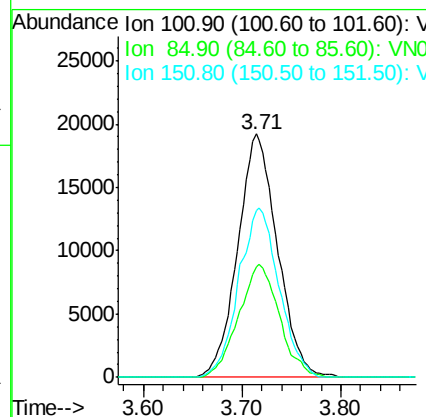
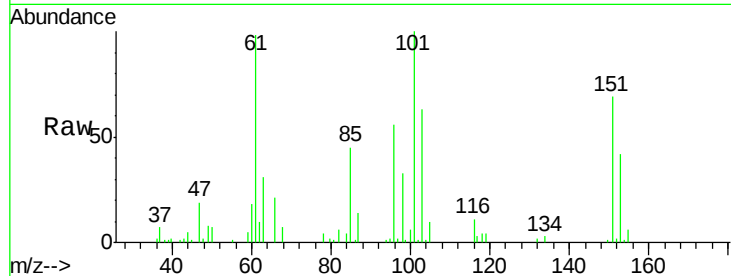
ClientSampleId :

VN1118MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 53699 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 47.4  | 39.0  | 58.4  |
| 151       | 70.6  | 57.2  | 85.8  |

Manual Integrations  
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11/19/2020 2:10:53 PM



#10

Methyl Iodide

Concen: 17.752 ug/l

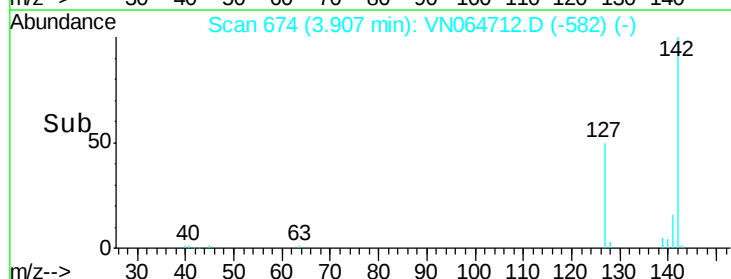
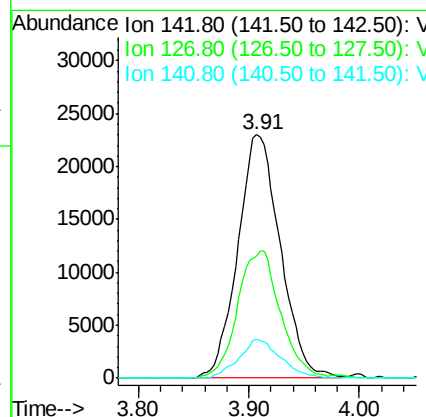
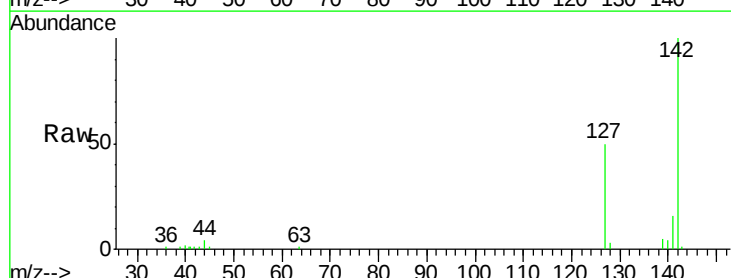
RT: 3.91 min Scan# 674

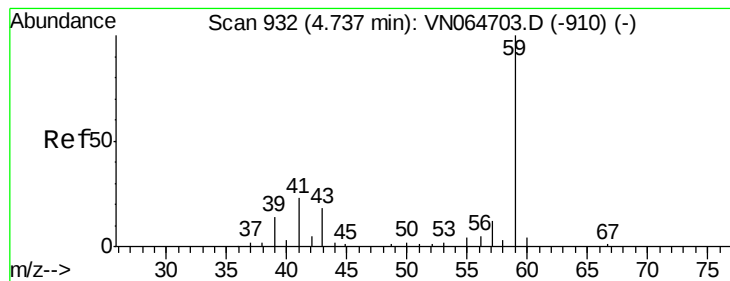
Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 61487 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 52.8  | 42.0  | 63.0  |
| 141       | 15.5  | 12.1  | 18.1  |





#11

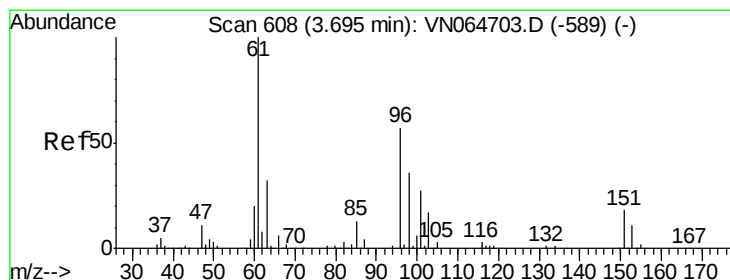
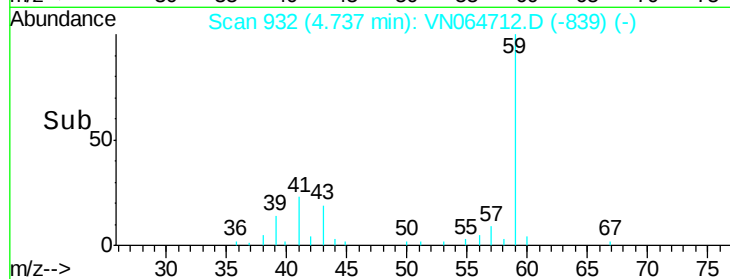
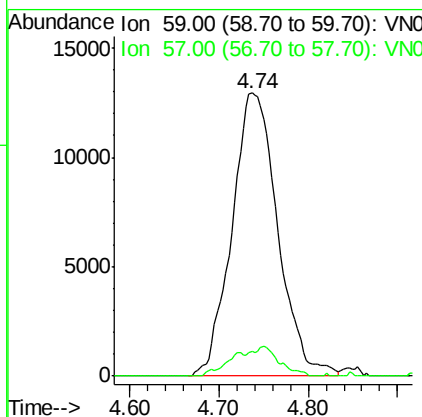
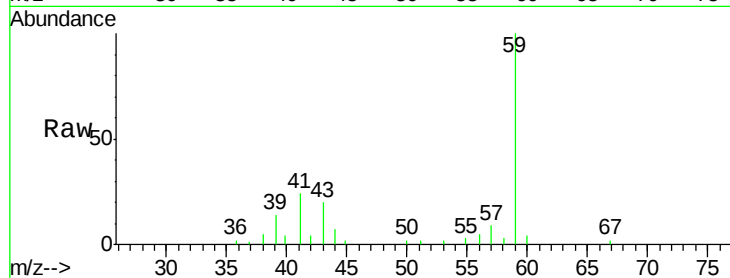
Tert butyl alcohol  
 Concen: 104.124 ug/l  
 RT: 4.74 min Scan# 932  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 3.9   | 9.1   | 13.7# |

Manual Integrations  
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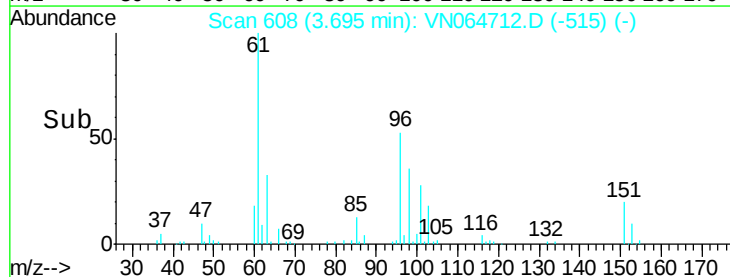
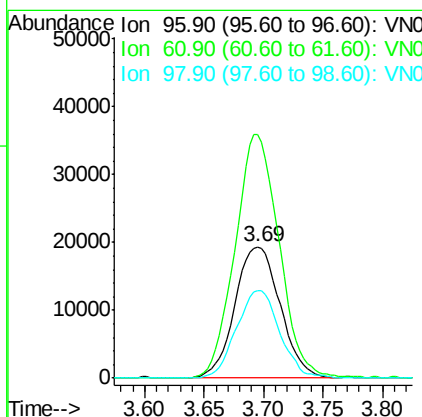
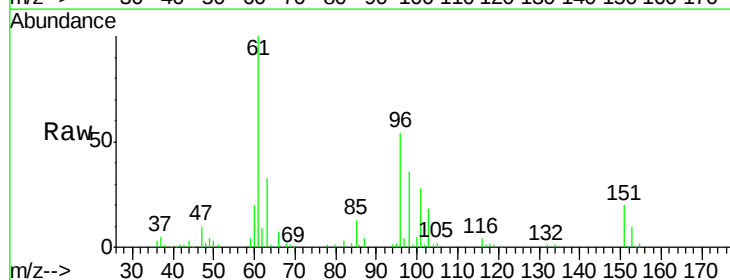
MMDadoda  
 11/19/2020 2:10:53 PM

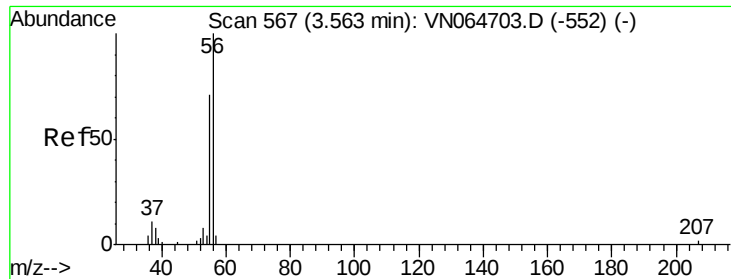


#12

1,1-Dichloroethene  
 Concen: 18.235 ug/l  
 RT: 3.69 min Scan# 608  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 185.4 | 139.1 | 208.7 |
| 98      | 66.7  | 50.2  | 75.2  |





#13

Acrolein

Concen: 102.588 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1118MBS01

Tot Ion: 56 Resp: 10644

Ion Ratio Lower Upper

56 100

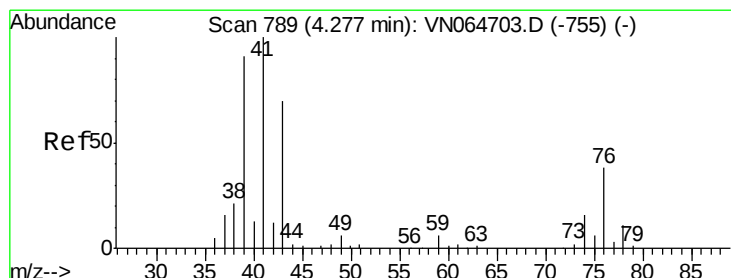
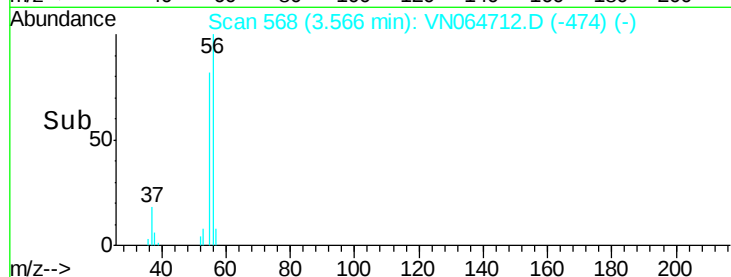
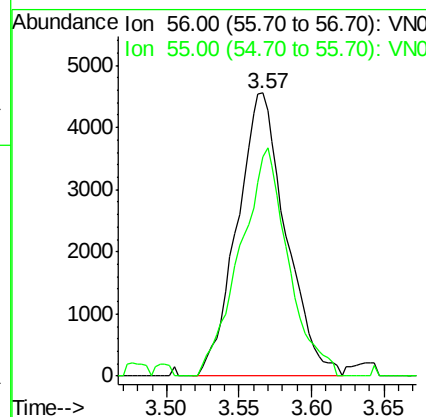
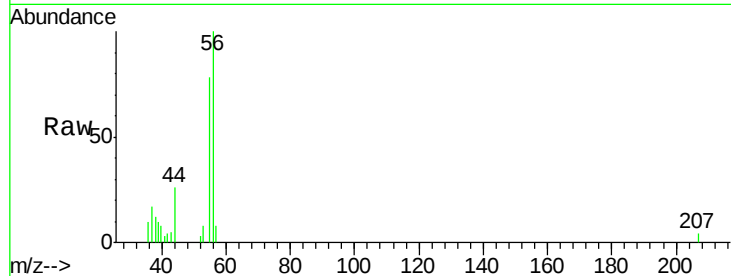
55 80.0 61.8 92.6

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 18.665 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

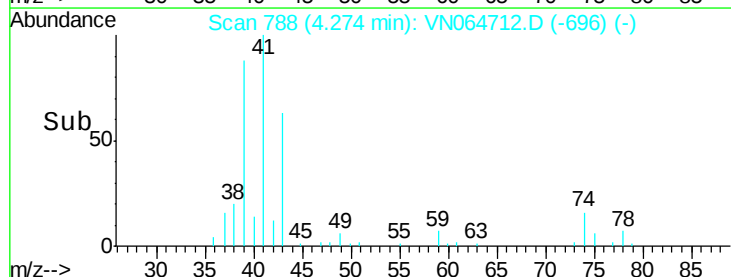
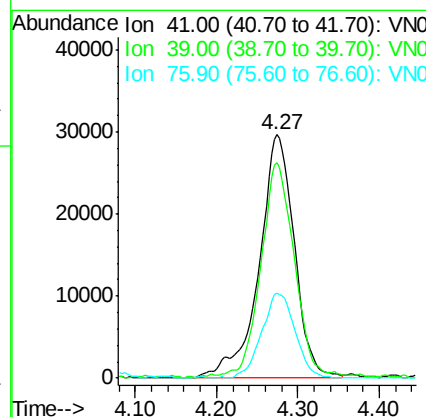
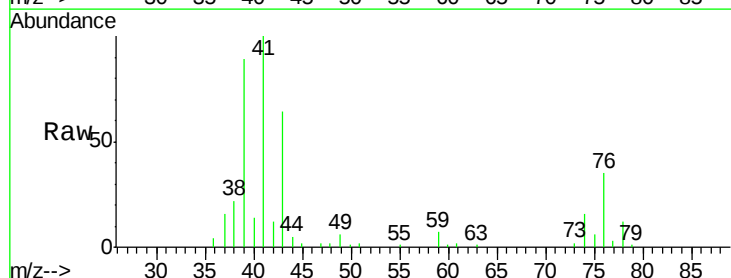
Tgt Ion: 41 Resp: 89470

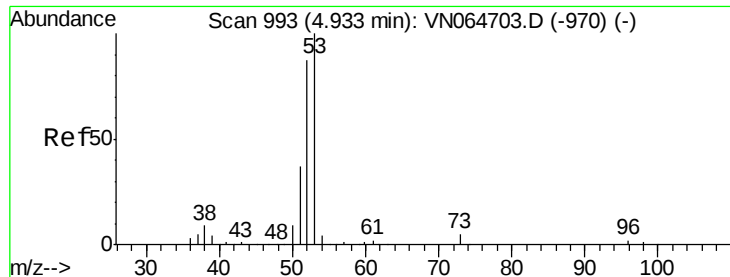
Ion Ratio Lower Upper

41 100

39 79.7 66.1 99.1

76 32.9 26.6 40.0





#15

Acrylonitrile

Concen: 96.929 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

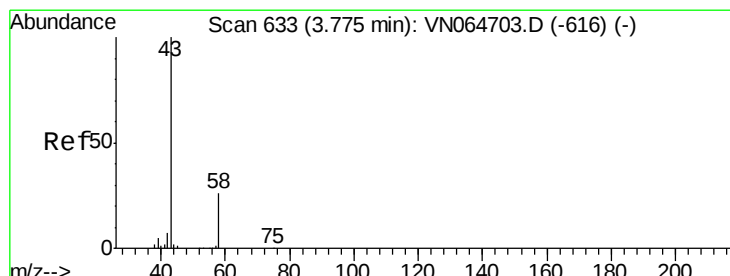
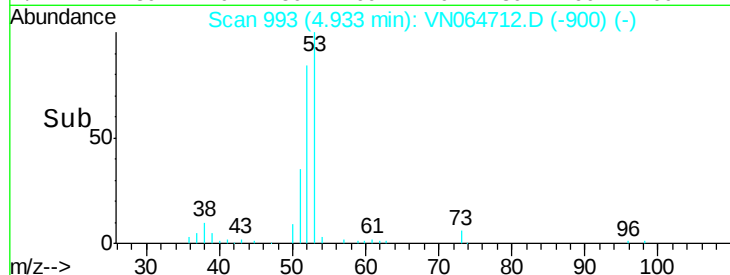
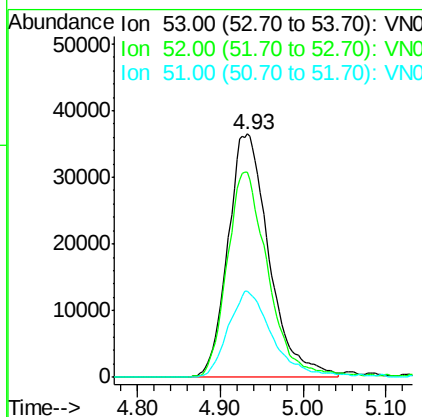
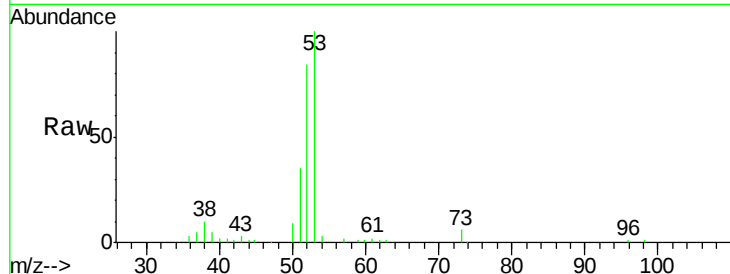
ClientSampleId :

VN1118MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 126132 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.8  | 67.2  | 100.8  |
| 51       | 37.2  | 31.0  | 46.6   |

Manual Integrations  
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#16

Acetone

Concen: 96.994 ug/l

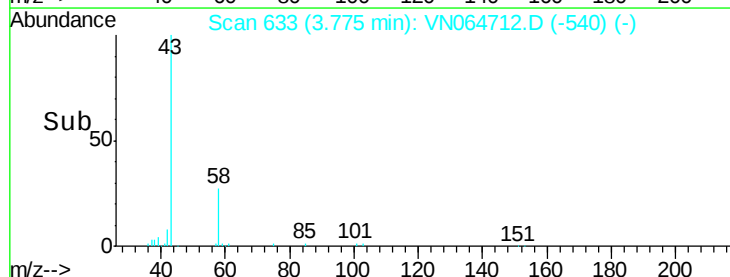
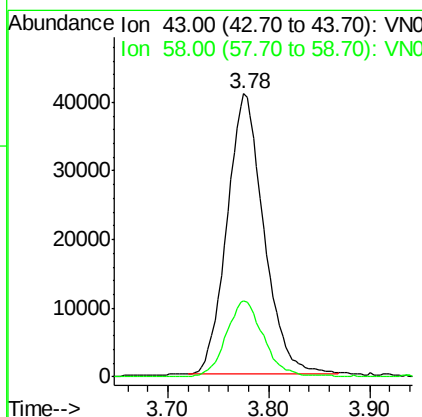
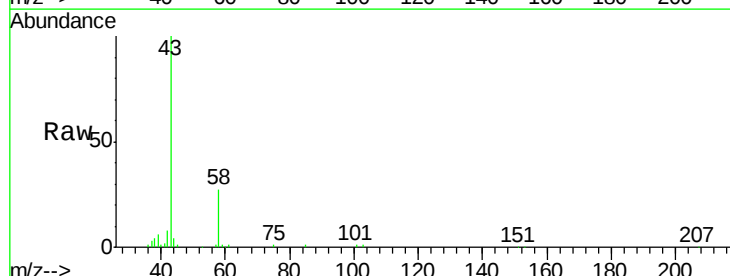
RT: 3.78 min Scan# 633

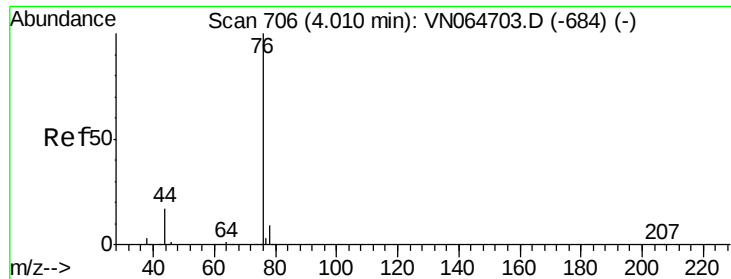
Delta R.T. 0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 103702 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 27.3  | 21.2  | 31.8   |





#17

Carbon Disulfide

Concen: 18.002 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1118MBS01

Tot Ion: 76 Resp: 145467

Ion Ratio Lower Upper

76 100

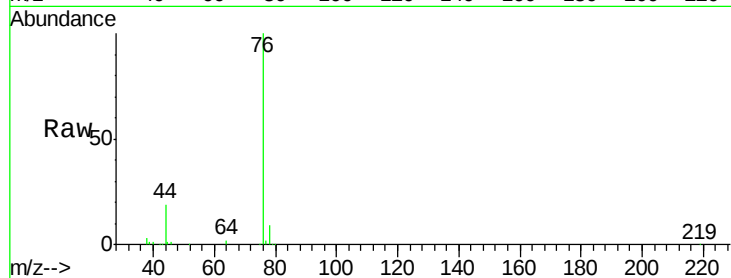
78 9.0 7.1 10.7

Manual Integrations

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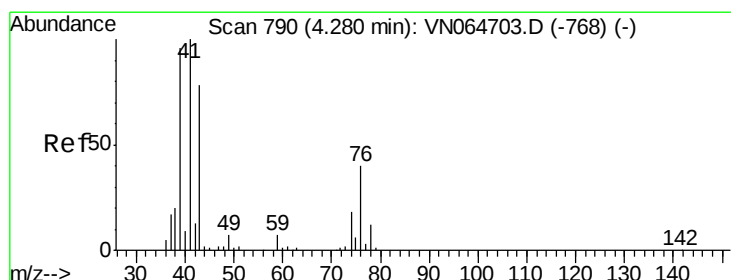
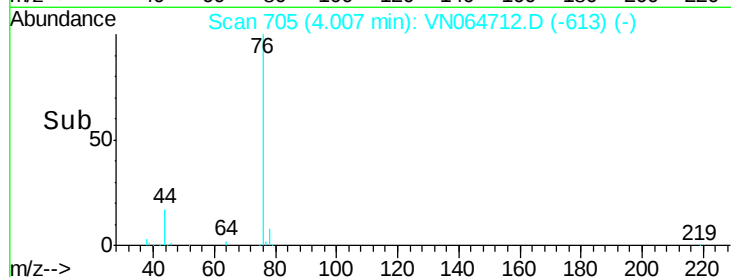
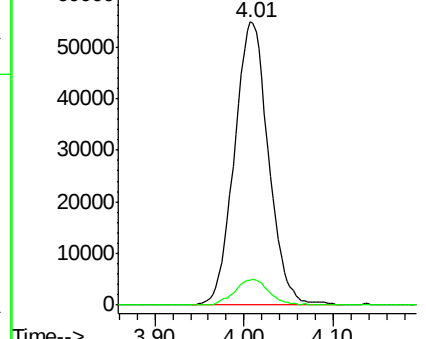
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.354 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064712.D

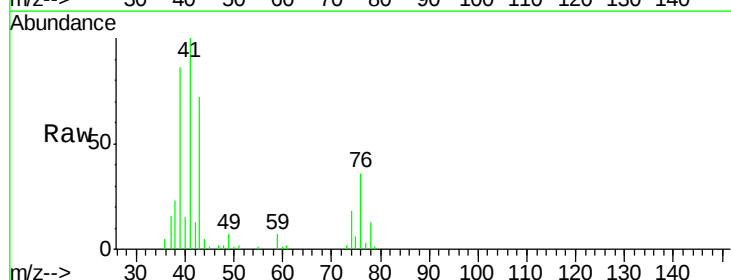
Acq: 18 Nov 2020 17:23

Tgt Ion: 43 Resp: 58617

Ion Ratio Lower Upper

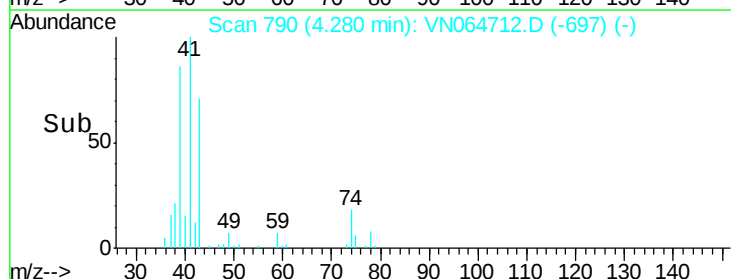
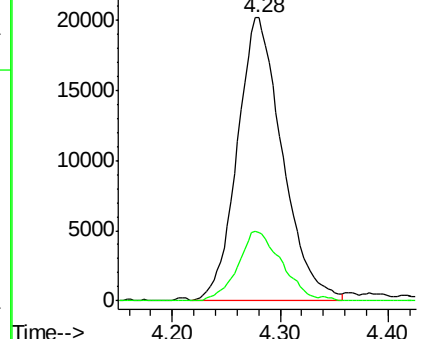
43 100

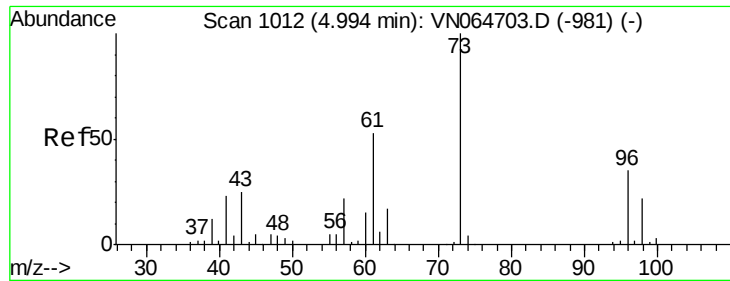
74 23.6 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





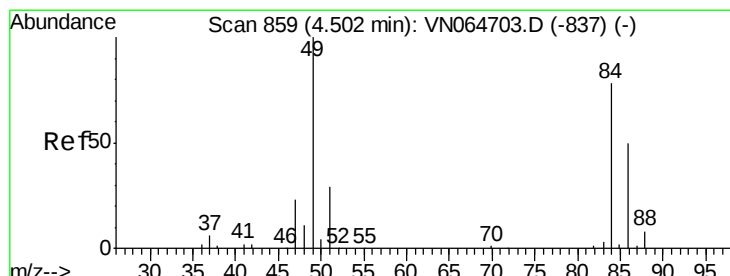
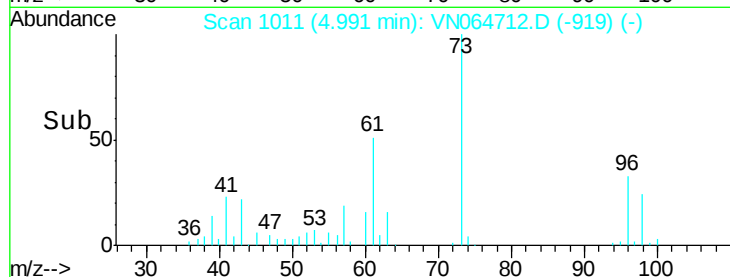
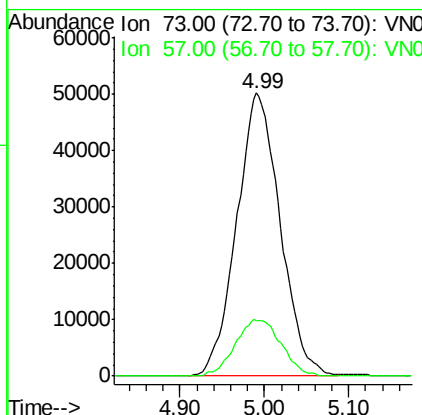
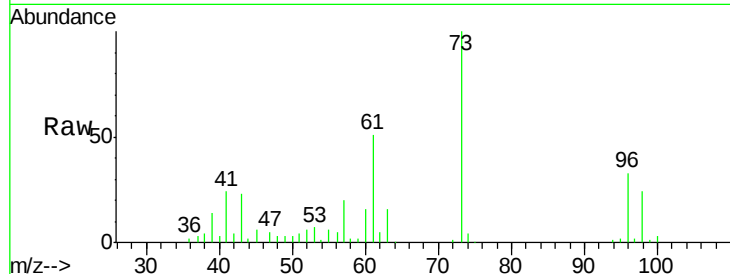
#19  
Methyl tert-butyl Ether  
Concen: 19.248 ug/l  
RT: 4.99 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

Tot Ion: 73 Resp: 179801  
Ion Ratio Lower Upper  
73 100  
57 19.8 17.3 25.9

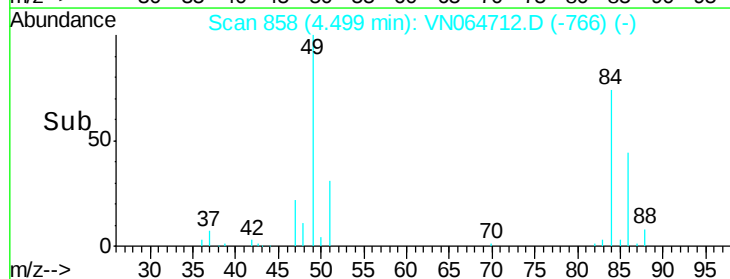
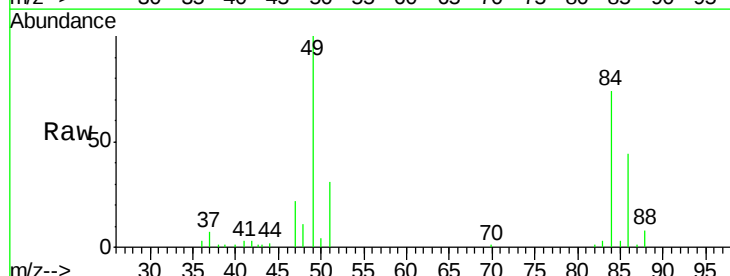
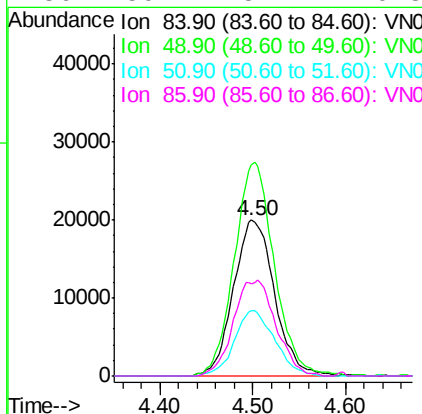
Manual Integrations  
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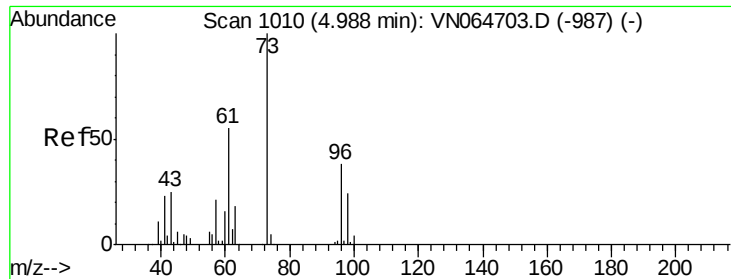
MMDadoda  
11/19/2020 2:10:53 PM



#20  
Methylene Chloride  
Concen: 18.142 ug/l  
RT: 4.50 min Scan# 858  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Tgt Ion: 84 Resp: 61366  
Ion Ratio Lower Upper  
84 100  
49 135.5 102.4 153.6  
51 42.0 29.4 44.2  
86 59.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 17.555 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

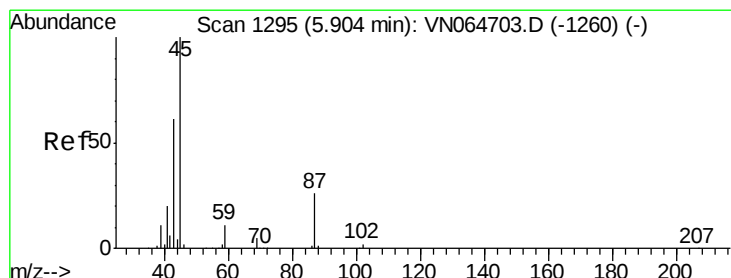
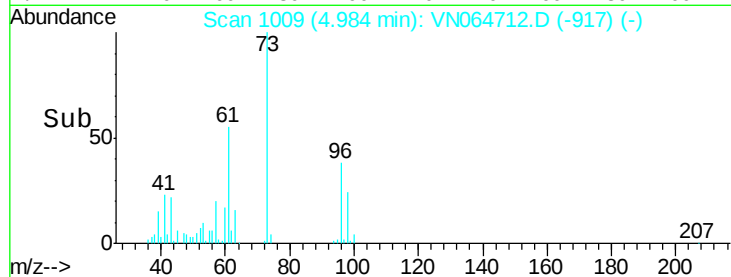
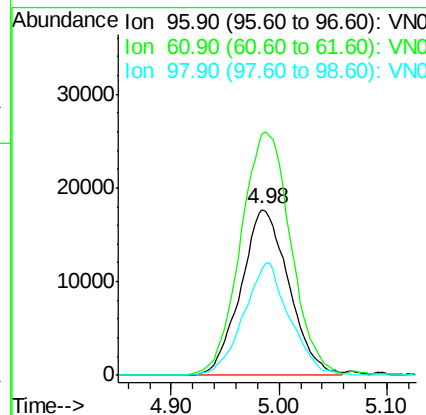
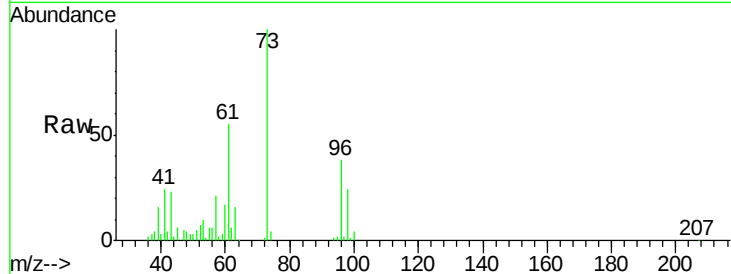
ClientSampleId :

VN1118MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 54685 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 144.2 | 117.9 | 176.9 |
| 98       | 62.7  | 51.1  | 76.7  |

Manual Integrations  
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MMDadoda  
11/19/2020 2:10:53 PM



#22

Diisopropyl ether

Concen: 19.048 ug/l

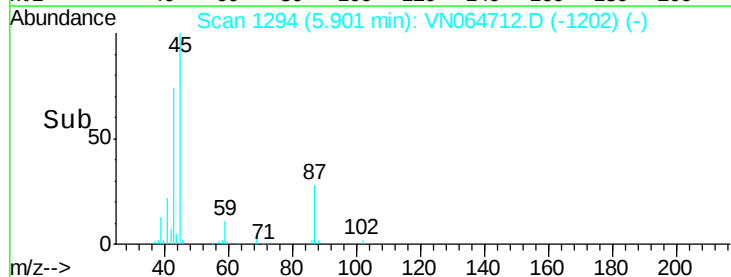
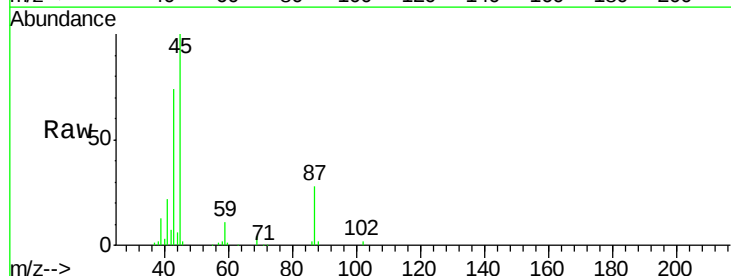
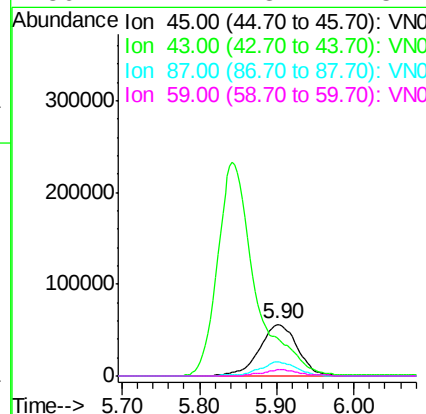
RT: 5.90 min Scan# 1294

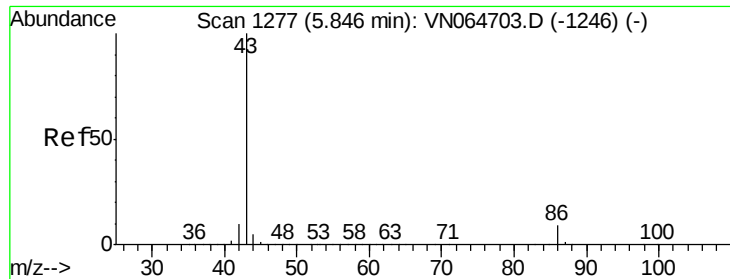
Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 192824 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 71.2  | 52.3  | 78.5   |
| 87       | 27.6  | 21.6  | 32.4   |
| 59       | 11.4  | 8.7   | 13.1   |





#23

Vinyl Acetate

Concen: 96.602 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1118MBS01

Tot Ion: 43 Resp: 789206

Ion Ratio Lower Upper

43 100

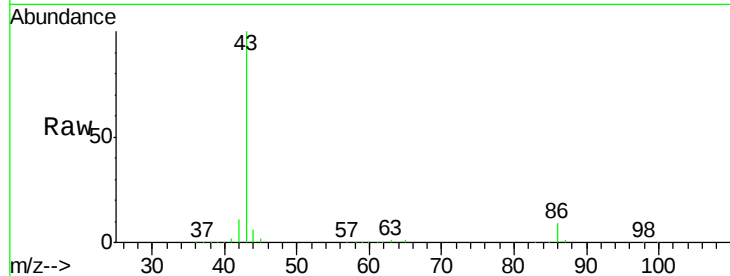
86 9.3 7.4 11.0

Manual Integrations

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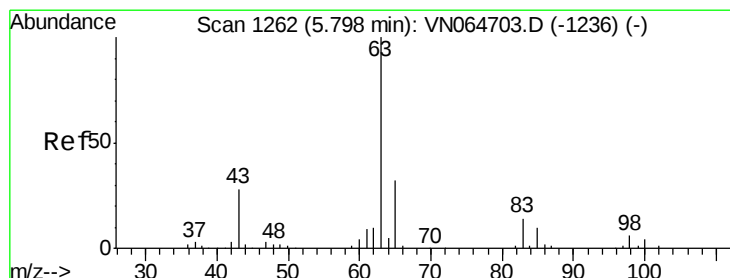
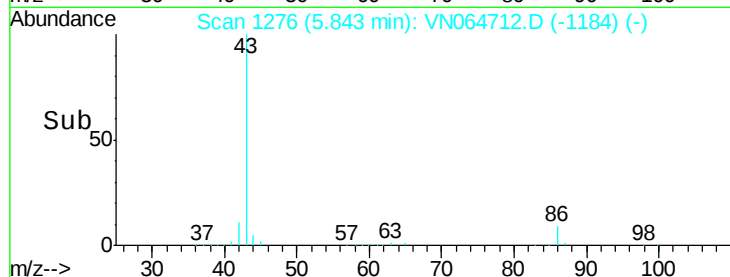
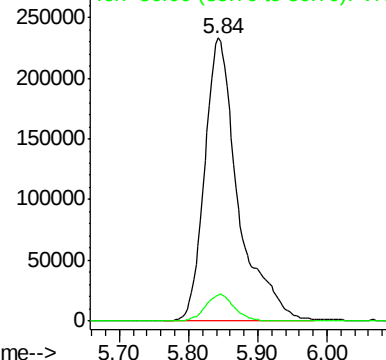
MMDadoda

11/19/2020 2:10:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.989 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

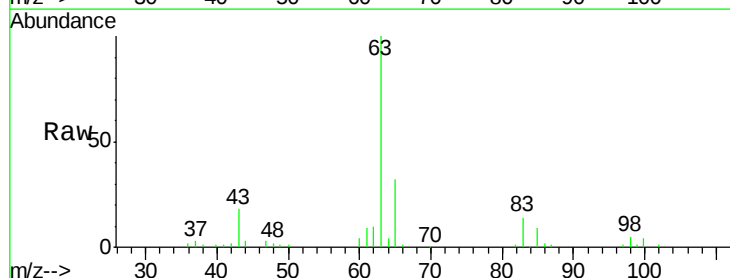
Tgt Ion: 63 Resp: 112623

Ion Ratio Lower Upper

63 100

98 4.9 3.2 9.6

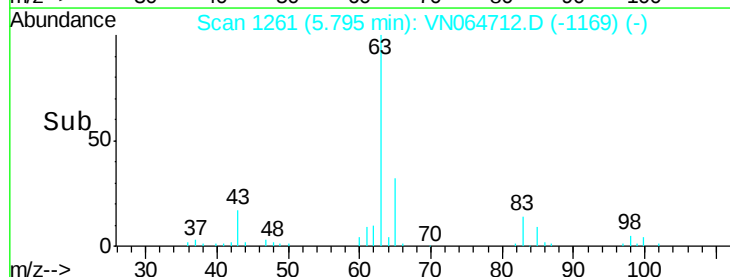
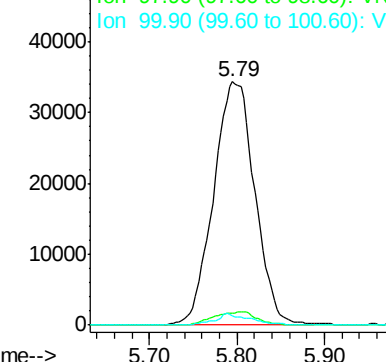
100 3.8 1.9 5.7

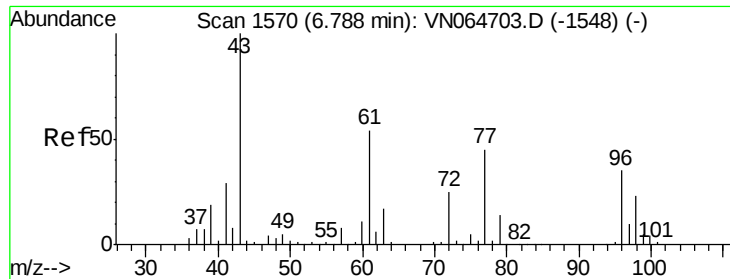


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 98.708 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1118MBS01

Tot Ion: 43 Resp: 172386

Ion Ratio Lower Upper

43 100

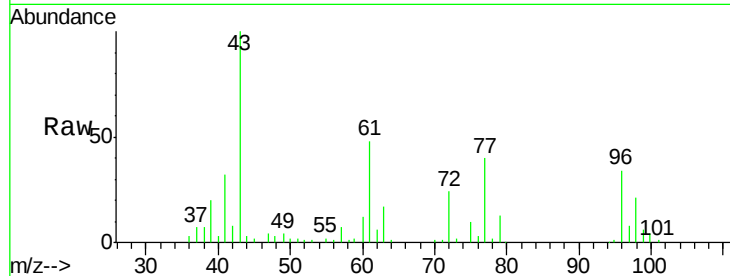
72 23.9 19.7 29.5

Manual Integrations

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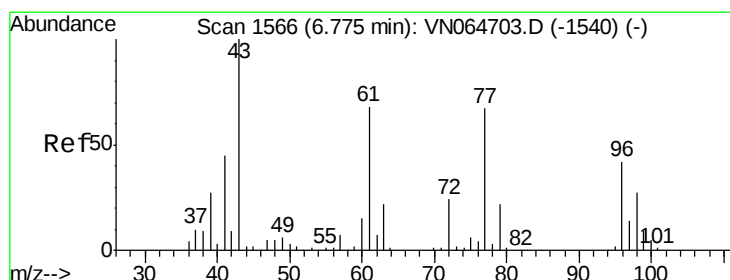
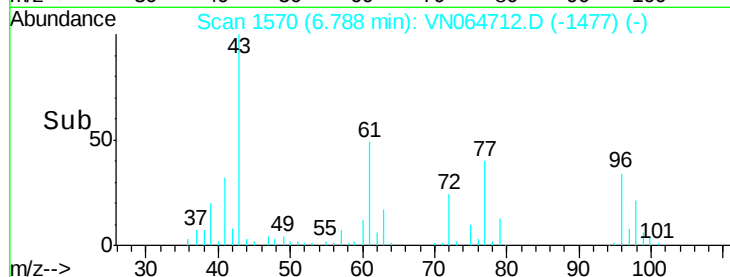
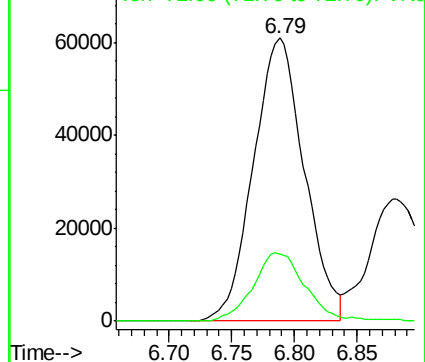
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.041 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064712.D

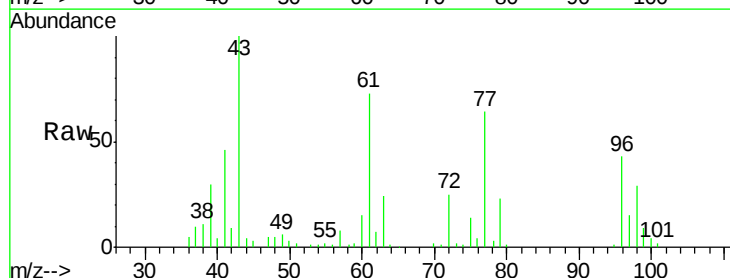
Acq: 18 Nov 2020 17:23

Tgt Ion: 77 Resp: 101677

Ion Ratio Lower Upper

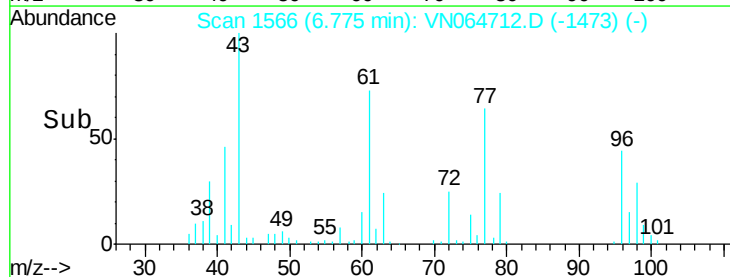
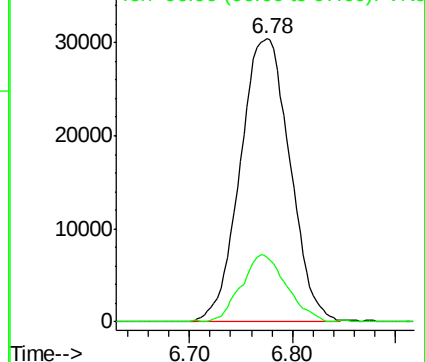
77 100

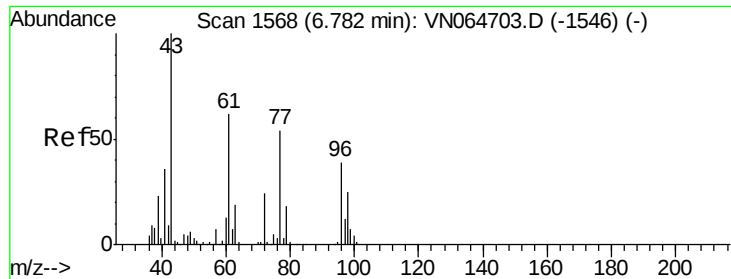
97 21.6 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 18.755 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

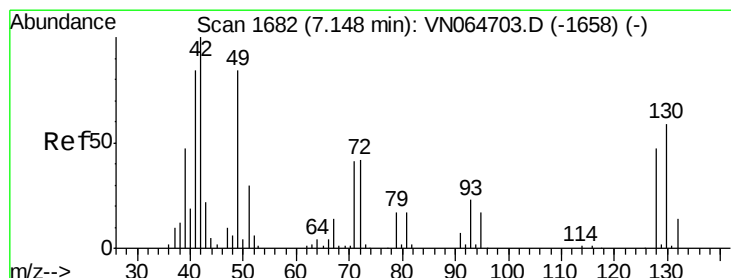
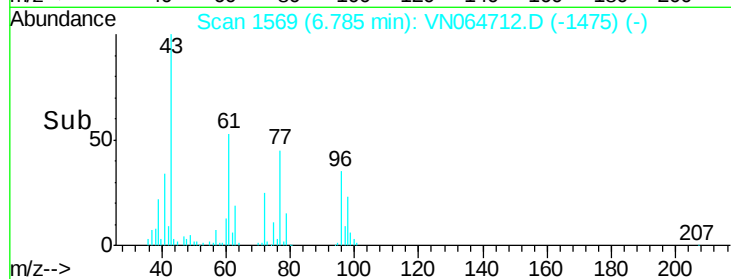
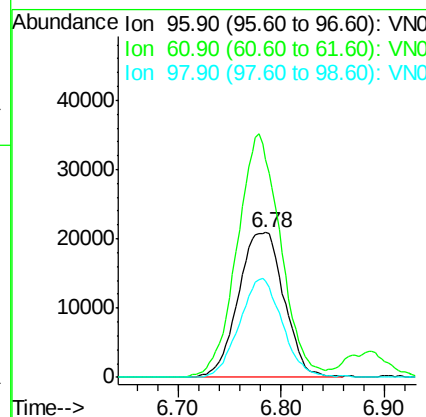
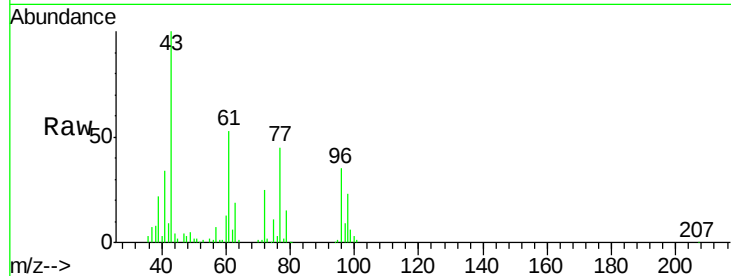
ClientSampleId :

VN1118MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 64409 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 159.2 | 0.0   | 322.6 |
| 98       | 63.8  | 0.0   | 128.6 |

Manual Integrations  
APPROVED

MMDadoda  
11/19/2020 2:10:53 PM



#28

Bromochloromethane

Concen: 18.572 ug/l

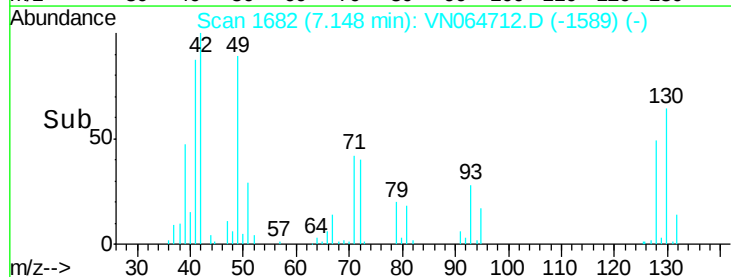
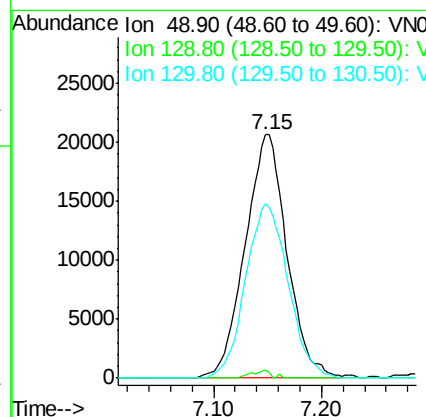
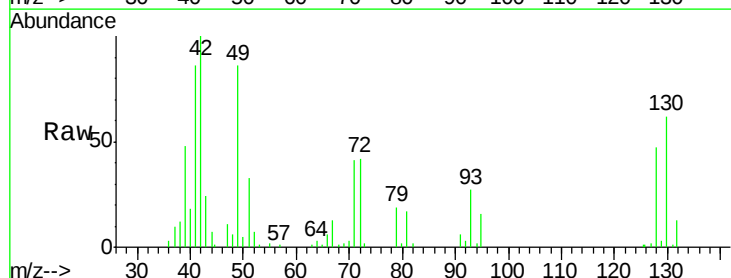
RT: 7.15 min Scan# 1682

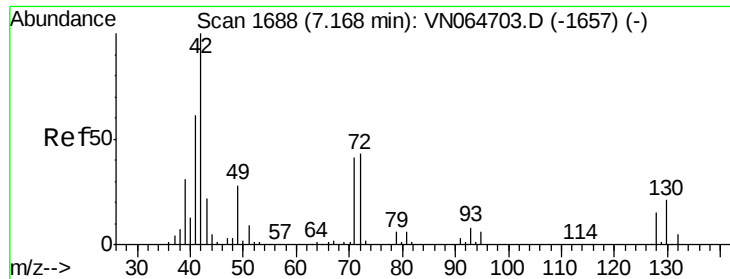
Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 55539 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.3   | 0.0   | 3.8   |
| 130      | 73.0  | 56.2  | 84.4  |





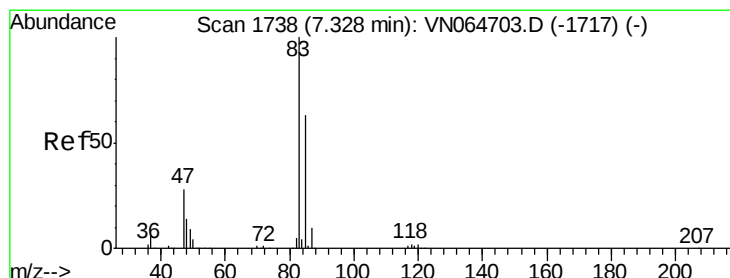
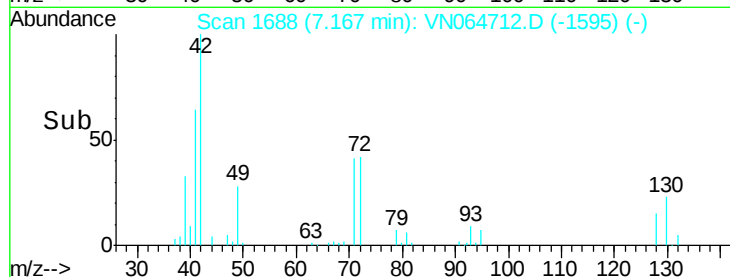
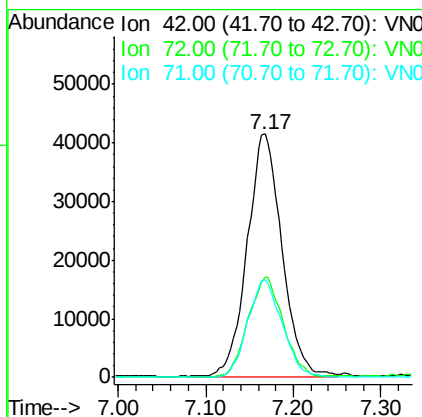
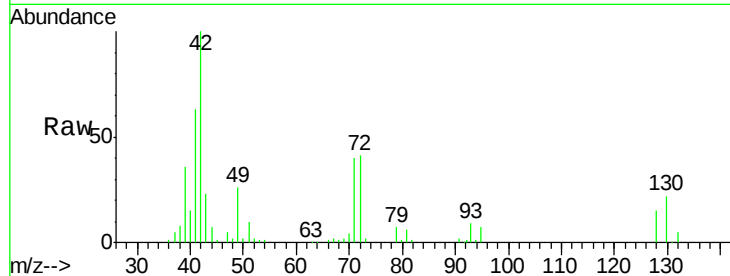
#29  
Tetrahydrofuran  
Concen: 96.424 ug/l  
RT: 7.17 min Scan# 1688  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.9  | 33.0  | 49.4  |
| 71      | 40.0  | 31.8  | 47.6  |

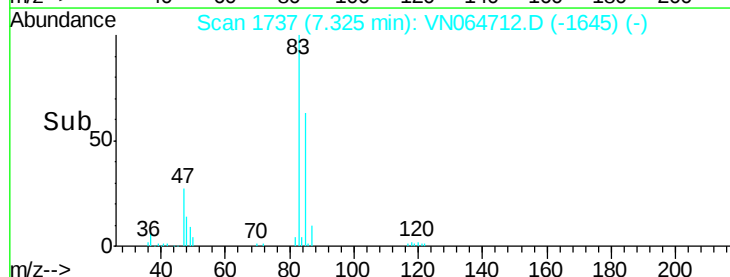
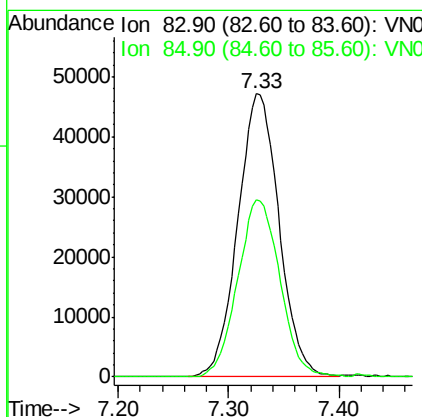
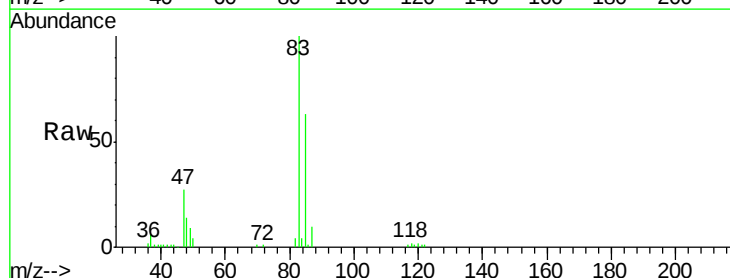
Manual Integrations  
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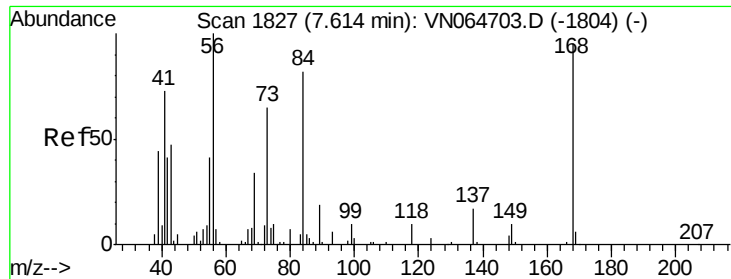
MMDadoda  
11/19/2020 2:10:53 PM



#30  
Chloroform  
Concen: 18.938 ug/l  
RT: 7.33 min Scan# 1737  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.6  | 50.6  | 75.8  |





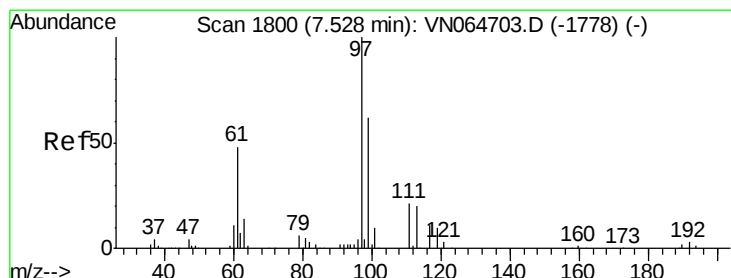
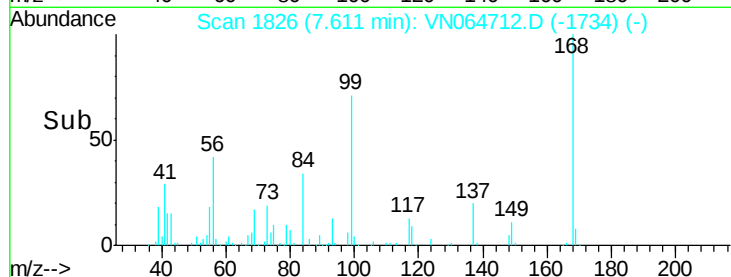
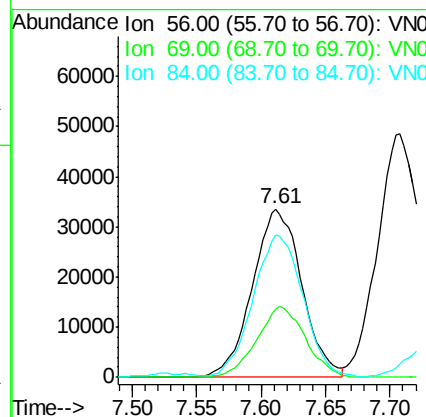
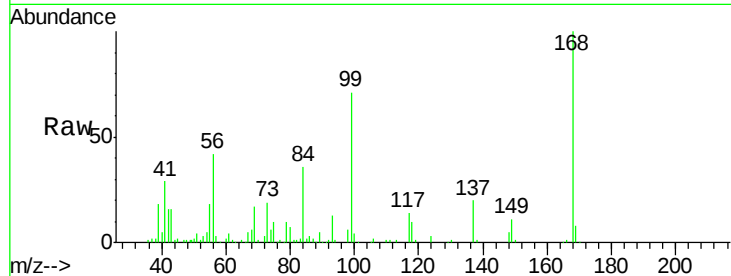
#31  
Cyclohexane  
Concen: 18.110 ug/l  
RT: 7.61 min Scan# 1826  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 40.4  | 27.2  | 40.8  |
| 84      | 83.5  | 65.9  | 98.9  |

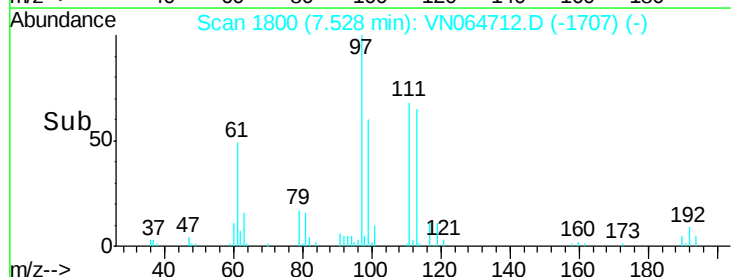
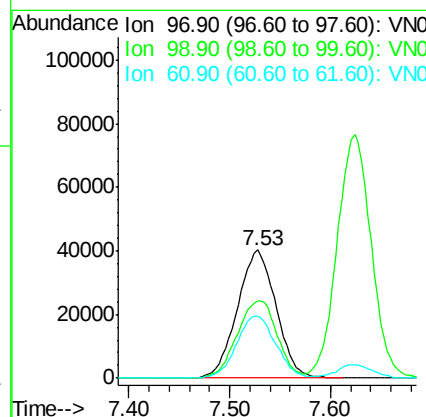
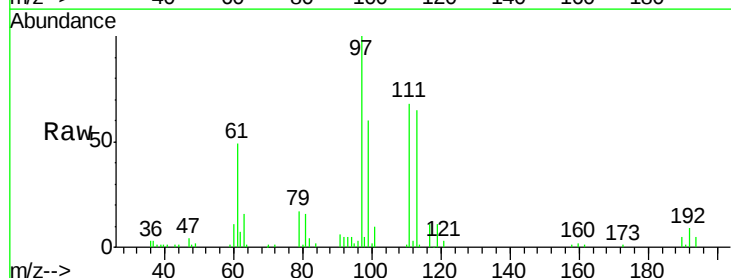
Manual Integrations  
APPROVED

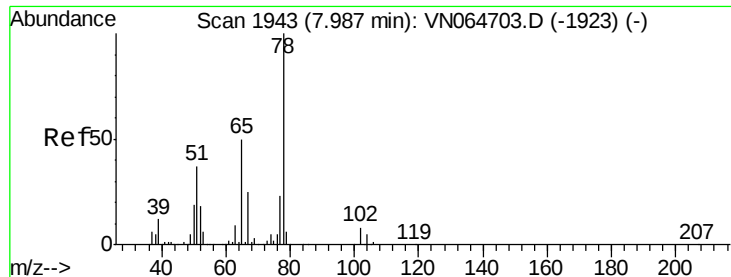
MMDadoda  
11/19/2020 2:10:53 PM



#32  
1,1,1-Trichloroethane  
Concen: 18.212 ug/l  
RT: 7.53 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.1  | 50.6  | 76.0  |
| 61      | 48.8  | 38.3  | 57.5  |





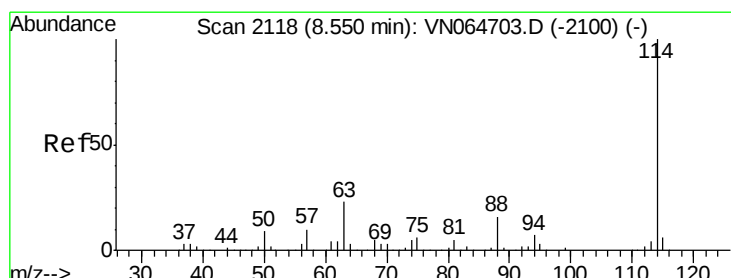
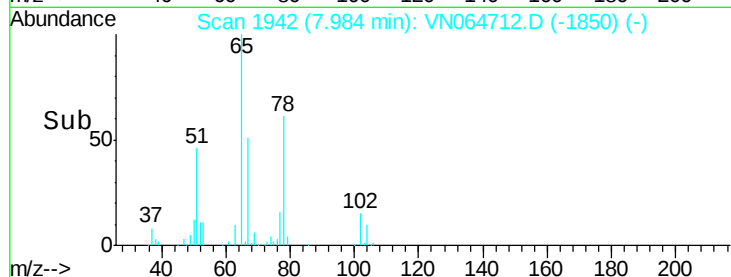
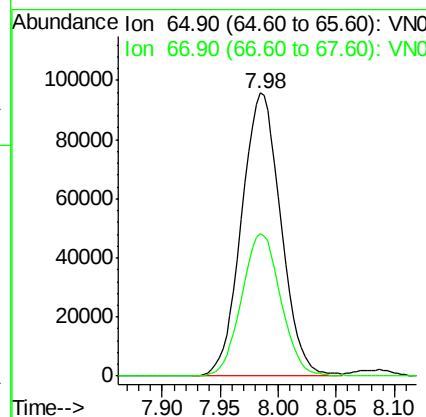
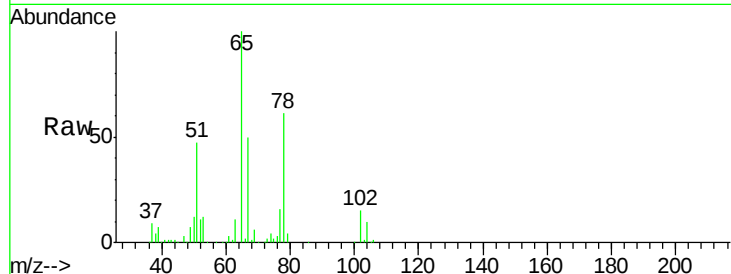
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.626 ug/l  
 RT: 7.98 min Scan# 1942  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 226689 |       |       |
| 67      | 49.9  | 0.0    | 99.8  |       |

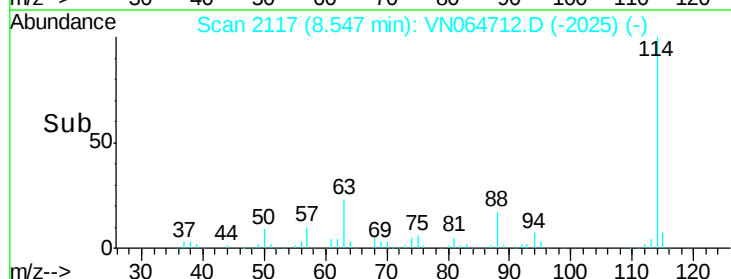
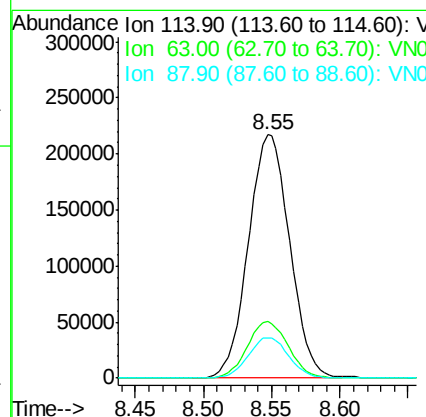
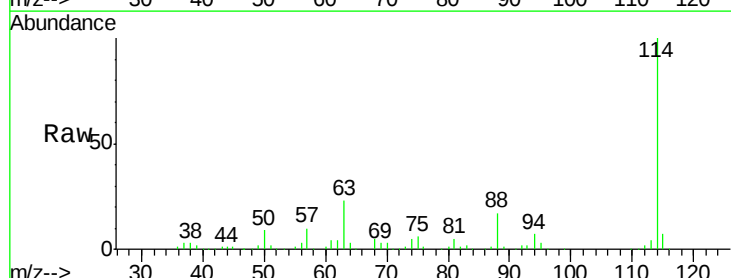
Manual Integrations  
 APPROVED

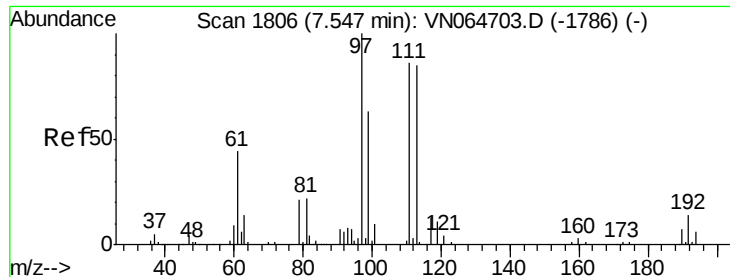
MMDadoda  
 11/19/2020 2:10:53 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2117  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 457057 |       |       |
| 63      | 23.3  | 0.0    | 46.0  |       |
| 88      | 16.6  | 0.0    | 31.2  |       |





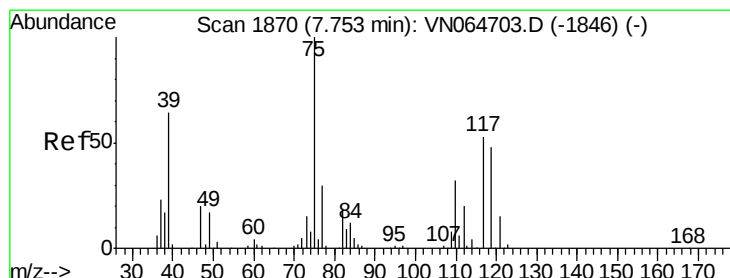
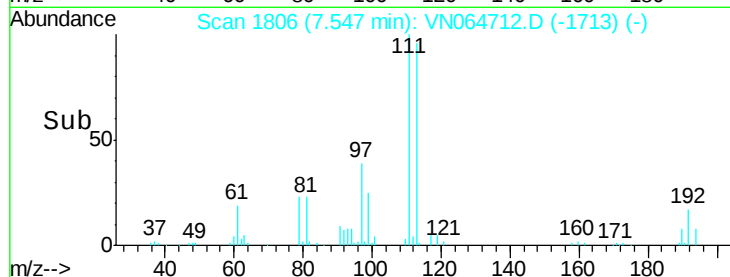
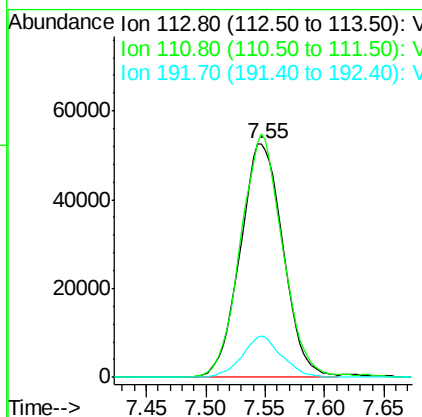
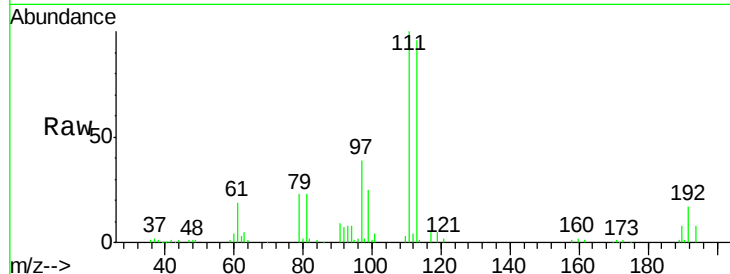
#35  
 Dibromofluoromethane  
 Concen: 50.466 ug/l  
 RT: 7.55 min Scan# 1806  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118MBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 102.2 | 82.2 | 123.4 |       |
| 192     | 16.3  | 12.7 | 19.1  |       |

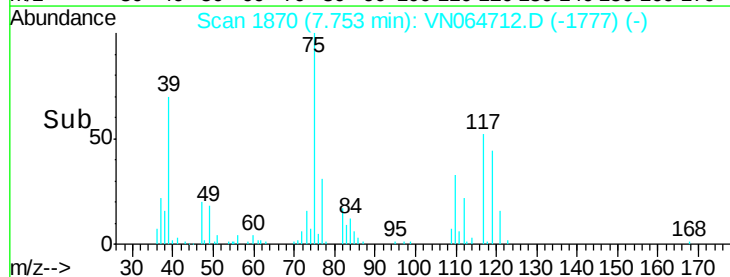
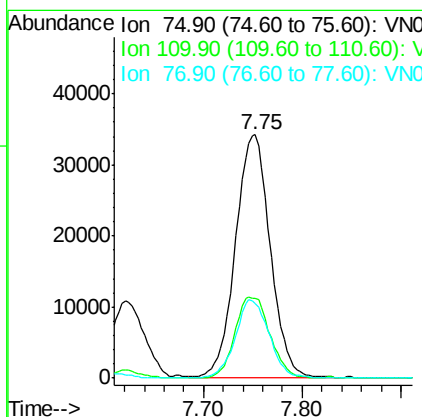
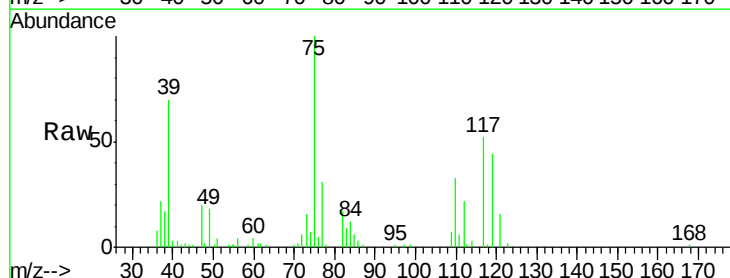
Manual Integrations  
 APPROVED

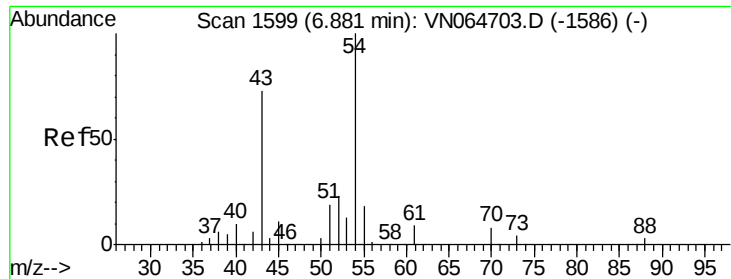
MMDadoda  
 11/19/2020 2:10:53 PM



#36  
 1,1-Dichloropropene  
 Concen: 17.862 ug/l  
 RT: 7.75 min Scan# 1870  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 33.4  | 16.2 | 48.6  |       |
| 77      | 31.2  | 24.4 | 36.6  |       |





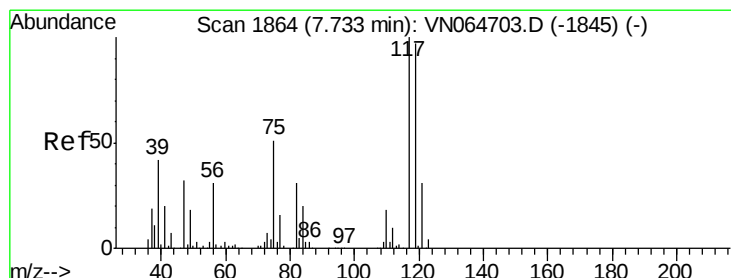
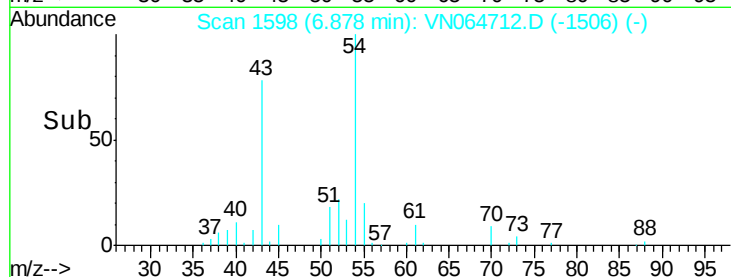
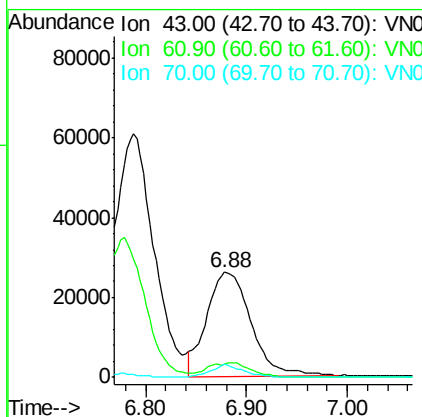
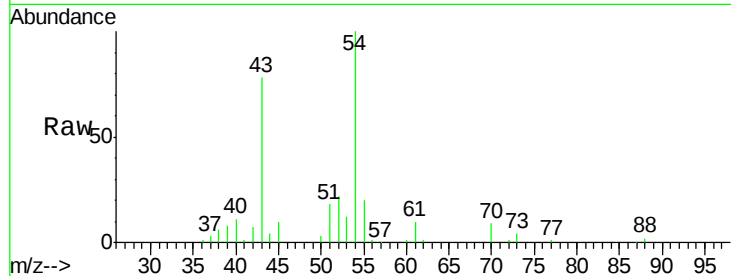
#37  
Ethyl Acetate  
Concen: 20.073 ug/l  
RT: 6.88 min Scan# 1598  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 0.0   | 10.4  | 15.6# |
| 70      | 9.5   | 7.6   | 11.4  |

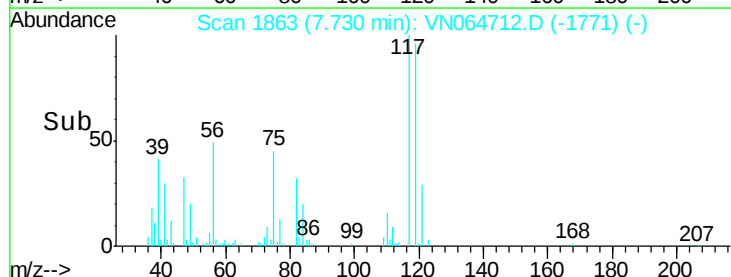
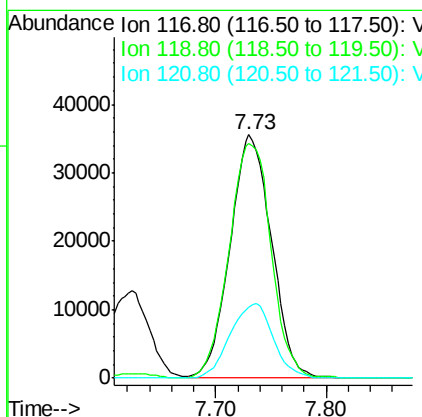
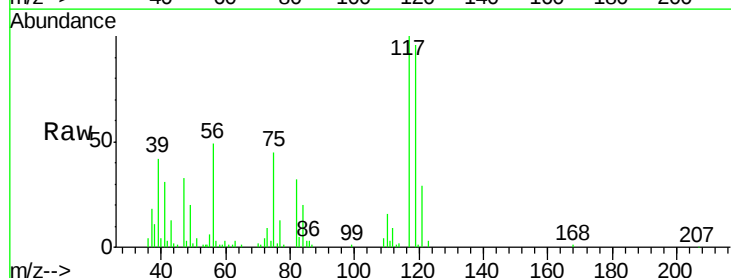
Manual Integrations  
APPROVED

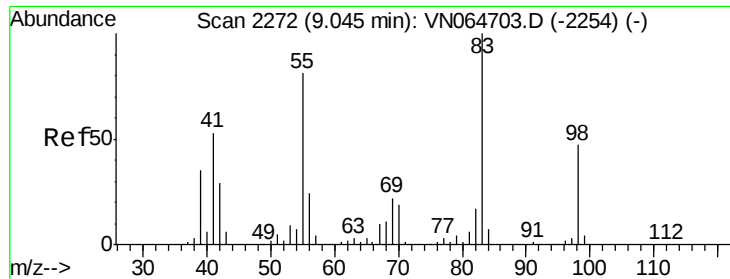
MMDadoda  
11/19/2020 2:10:53 PM



#38  
Carbon Tetrachloride  
Concen: 18.496 ug/l  
RT: 7.73 min Scan# 1863  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.4  | 77.8  | 116.6 |
| 121     | 28.9  | 24.9  | 37.3  |





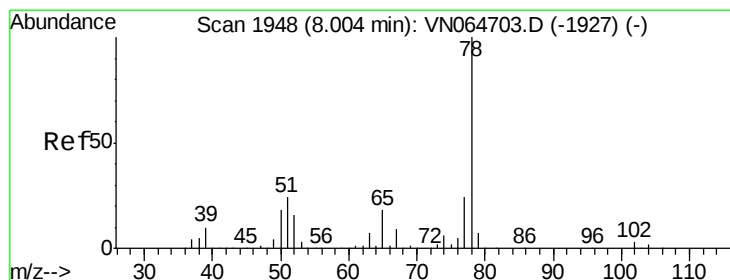
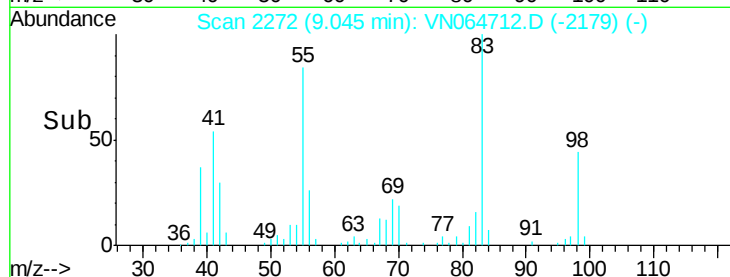
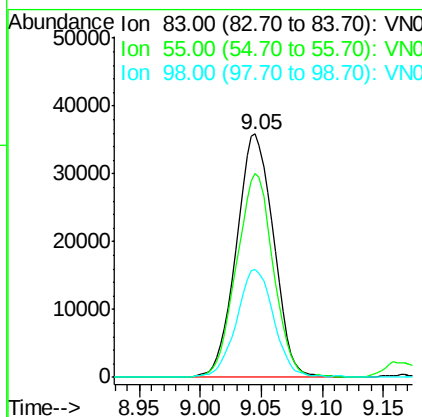
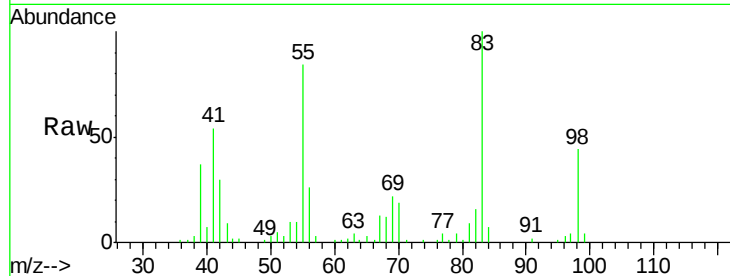
#39  
Methvlcvclohexane  
Concen: 18.155 ug/l  
RT: 9.05 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 84.0  | 64.6  | 97.0  |
| 98      | 44.1  | 37.7  | 56.5  |

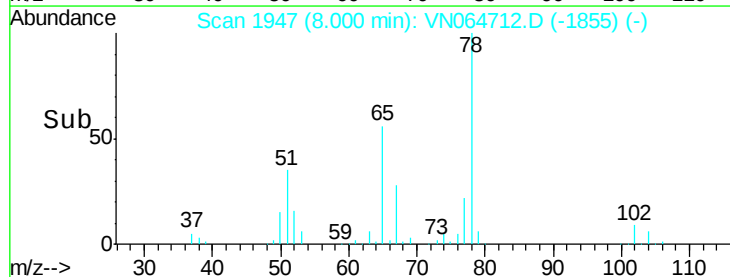
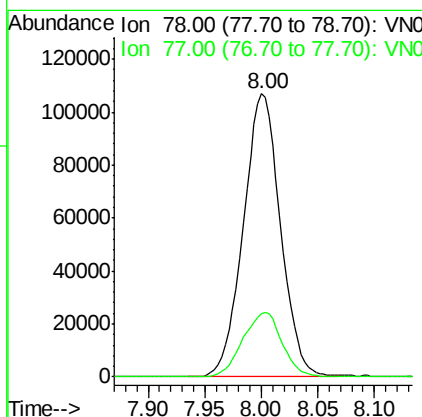
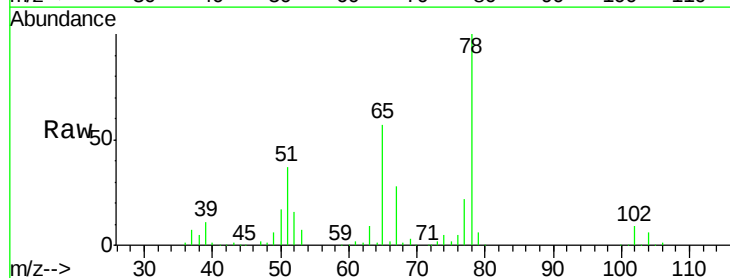
Manual Integrations  
APPROVED

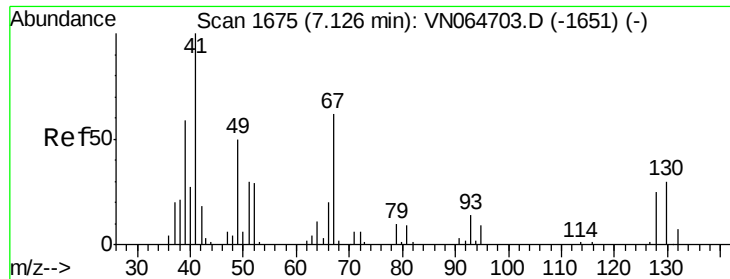
MMDadoda  
11/19/2020 2:10:53 PM



#40  
Benzene  
Concen: 18.628 ug/l  
RT: 8.00 min Scan# 1947  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.2  | 19.2  | 28.8  |





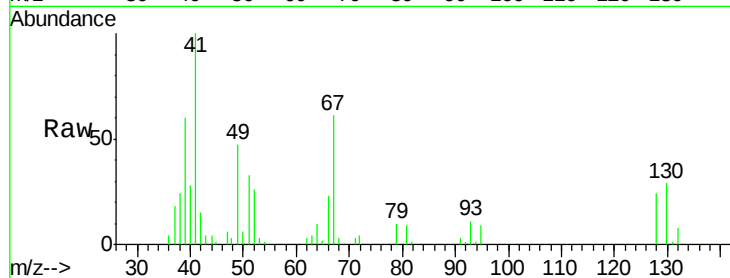
#41  
Methacrylonitrile  
Concen: 19.417 ug/l  
RT: 7.12 min Scan# 1674  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

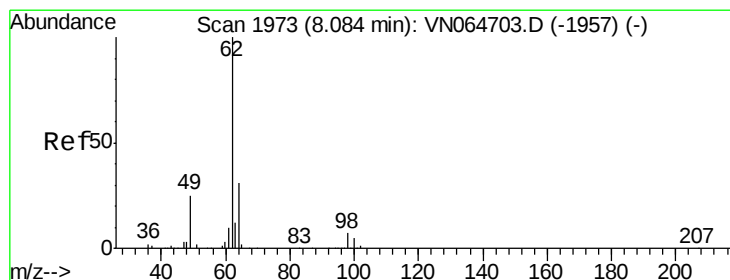
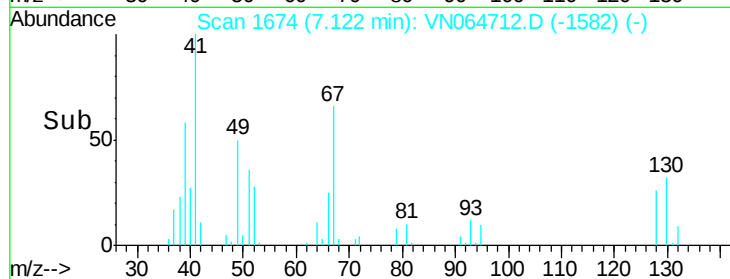
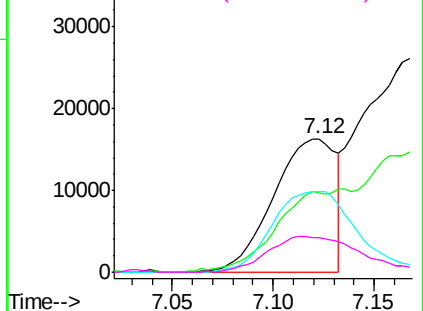
| Tot Ion   | 41    | Resp  | 35041 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 49.4  | 46.0  | 69.0  |
| 67        | 82.1  | 67.0  | 100.4 |
| 52        | 40.3  | 31.7  | 47.5  |

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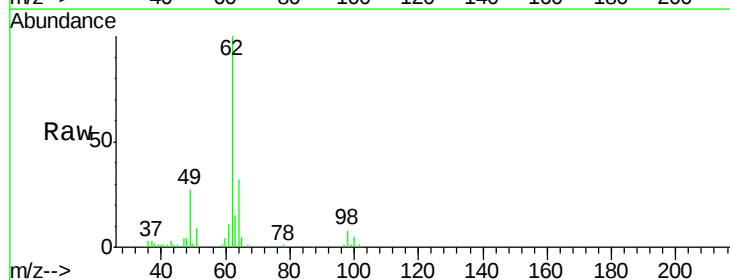


Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC  
Ion 67.00 (66.70 to 67.70): VNC  
Ion 52.00 (51.70 to 52.70): VNC

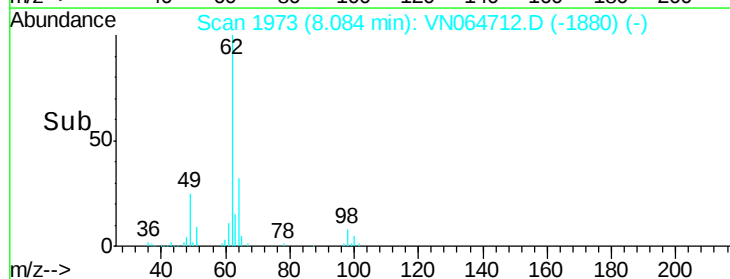
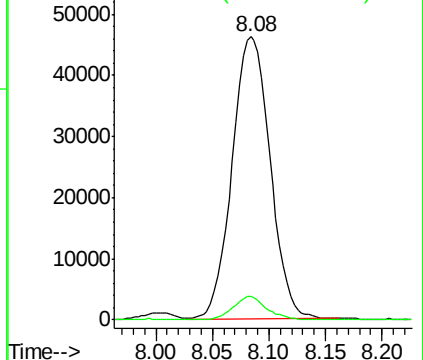


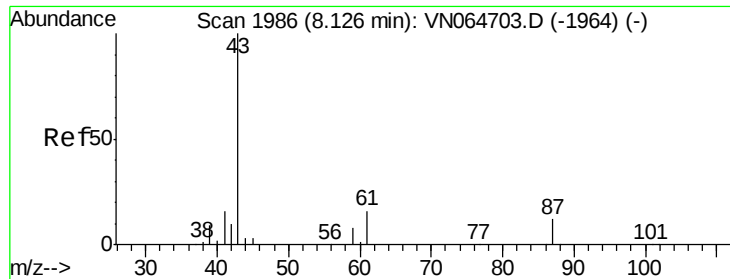
#42  
1,2-Dichloroethane  
Concen: 19.214 ug/l  
RT: 8.08 min Scan# 1973  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

| Tgt Ion   | 62    | Resp  | 108310 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 7.3   | 0.0   | 13.6   |



Abundance Ion 61.90 (61.60 to 62.60): VNC  
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 18.873 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

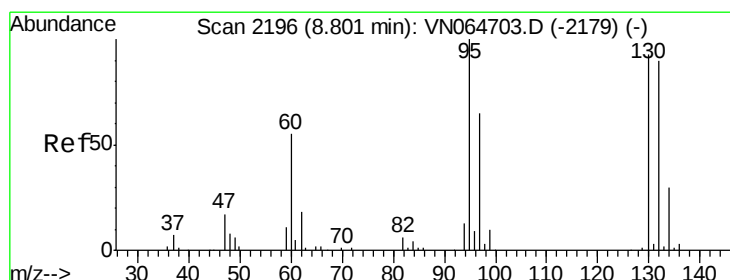
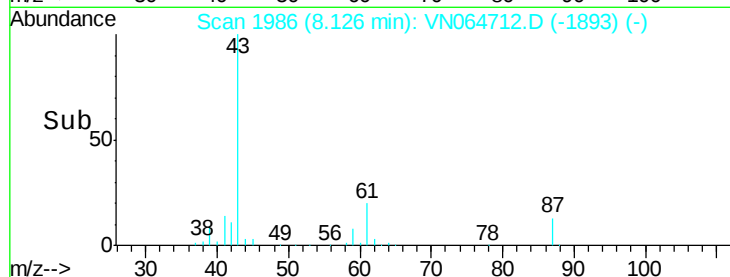
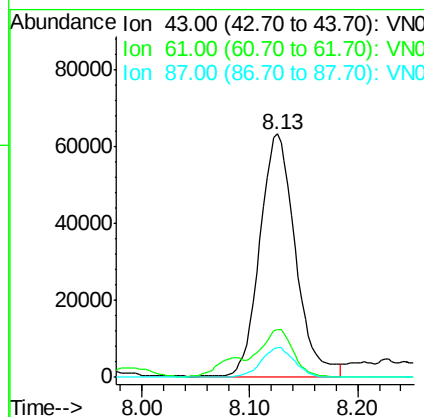
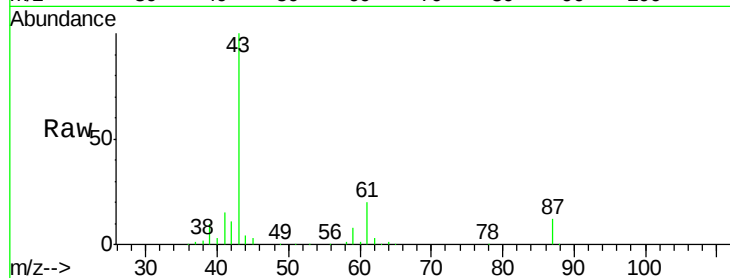
ClientSampleId :

VN1118MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 144034 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 18.4  | 14.1  | 21.1   |
| 87       | 11.4  | 9.1   | 13.7   |

Manual Integrations  
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11/19/2020 2:10:53 PM



#44

Trichloroethene

Concen: 18.150 ug/l

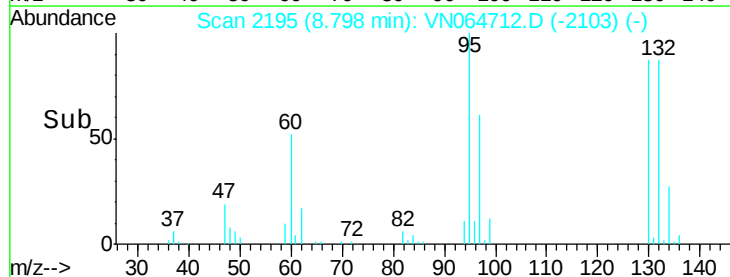
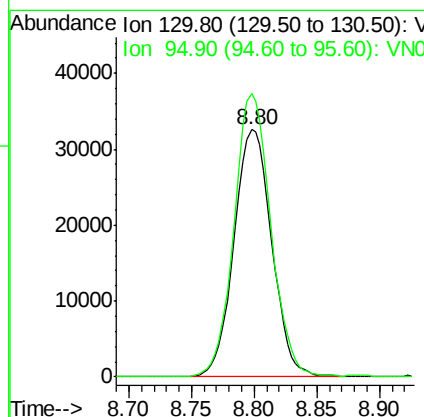
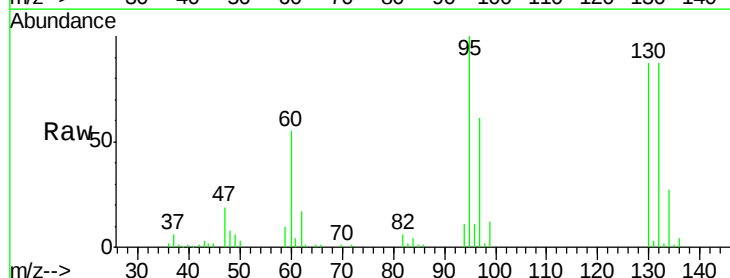
RT: 8.80 min Scan# 2195

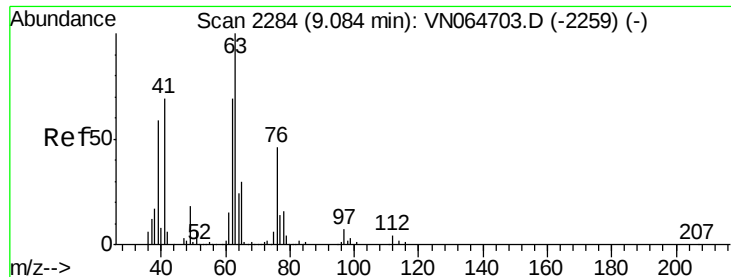
Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 68244 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 114.5 | 0.0   | 214.2 |





#45

1,2-Dichloropropane

Concen: 18.843 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1118MBS01

Tot Ion: 63 Resp: 65806

Ion Ratio Lower Upper

63 100

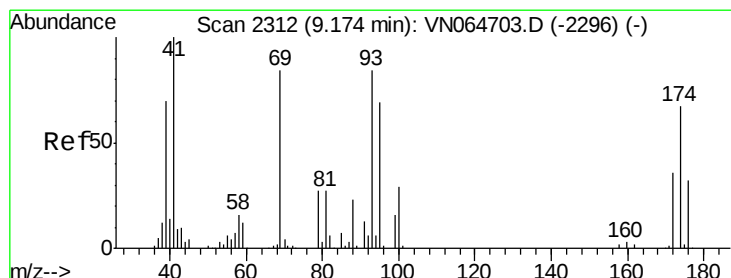
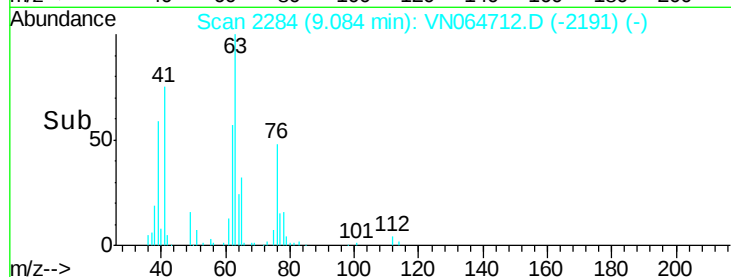
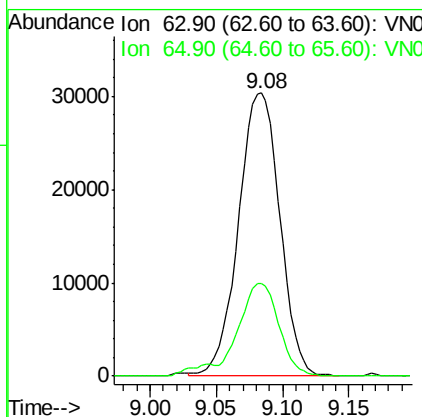
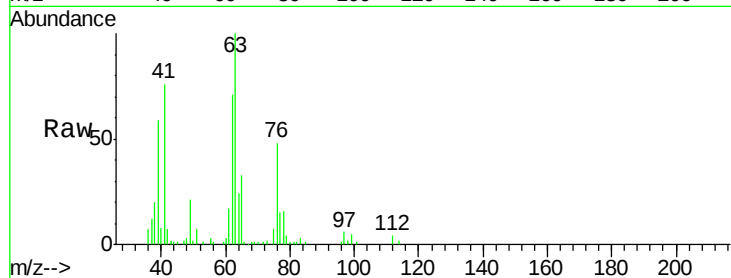
65 32.9 24.0 36.0

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#46

Dibromomethane

Concen: 18.762 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

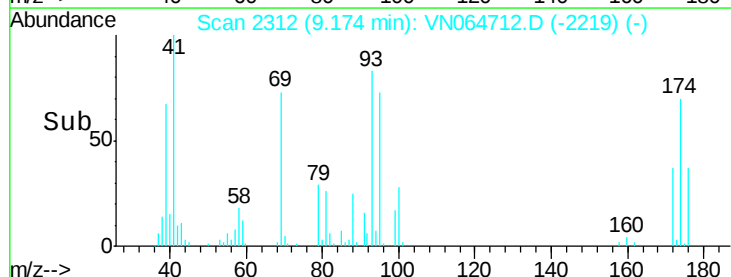
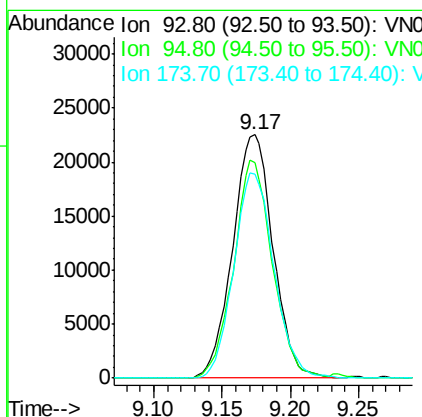
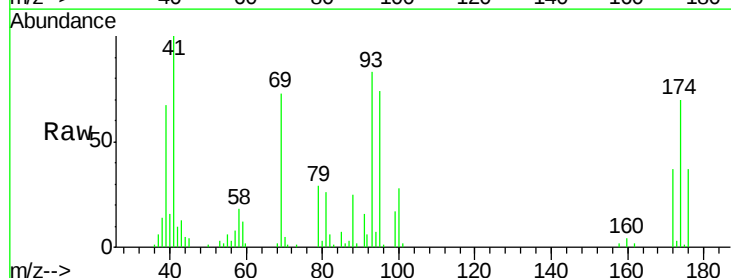
Tgt Ion: 93 Resp: 46447

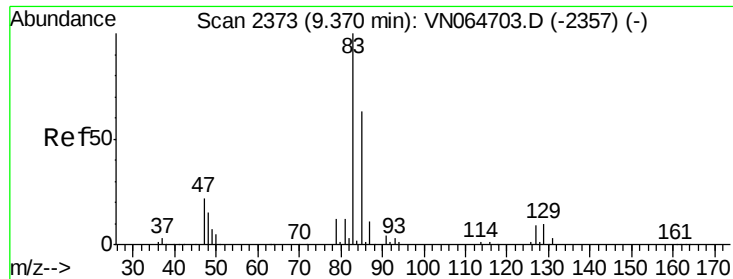
Ion Ratio Lower Upper

93 100

95 85.8 64.6 97.0

174 83.5 64.3 96.5





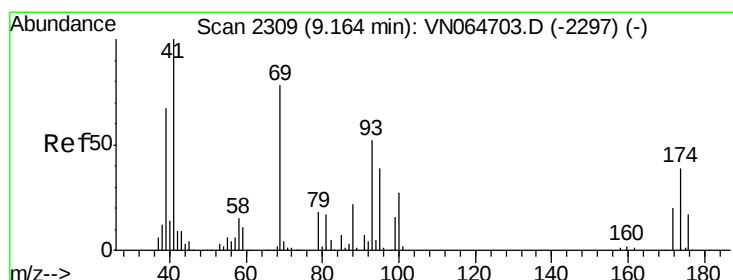
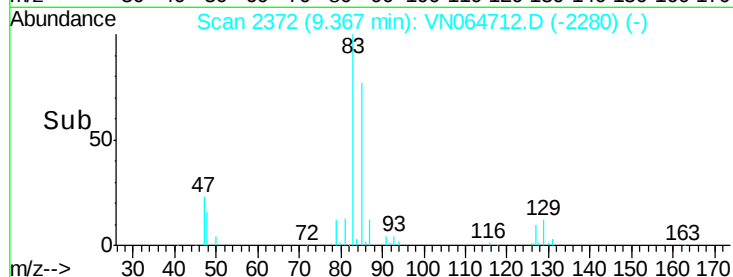
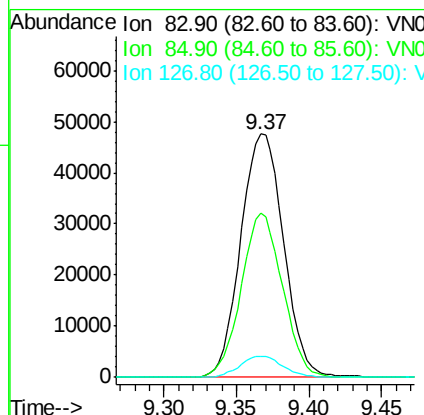
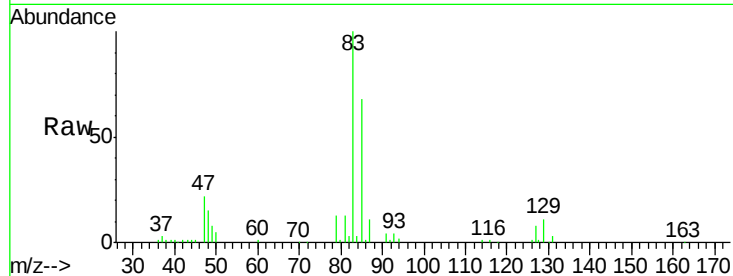
#47  
Bromodichloromethane  
Concen: 18.791 ug/l  
RT: 9.37 min Scan# 2372  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 97793 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 67.6  | 50.8  | 76.2  |
| 127      | 8.5   | 7.0   | 10.4  |

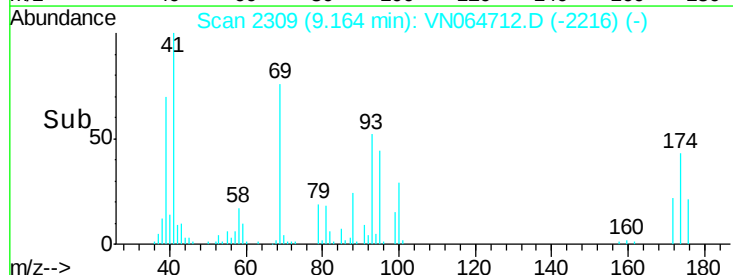
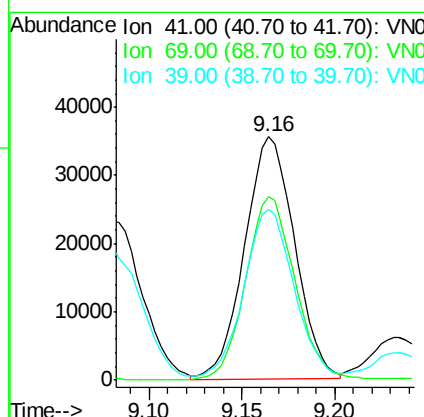
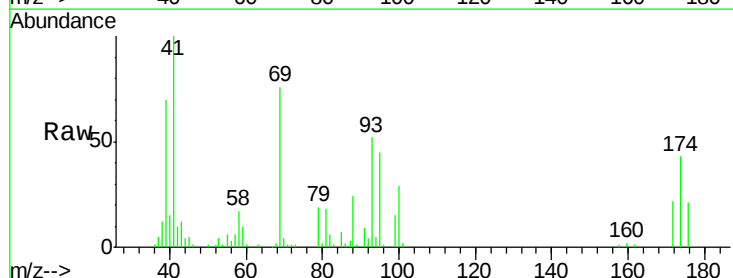
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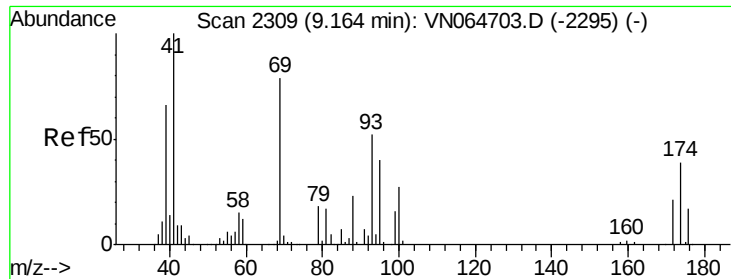
MMDadoda  
11/19/2020 2:10:53 PM



#48  
Methyl methacrylate  
Concen: 18.504 ug/l  
RT: 9.16 min Scan# 2309  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 66631 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 75.2  | 62.3  | 93.5  |
| 39       | 71.0  | 55.1  | 82.7  |





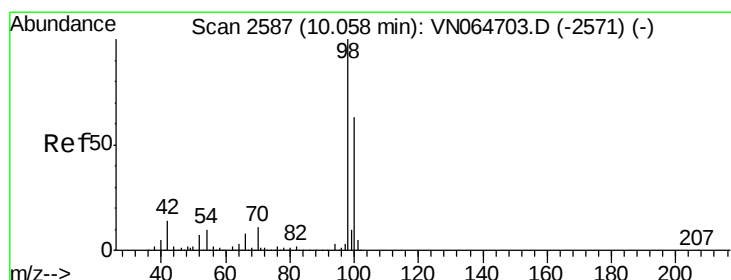
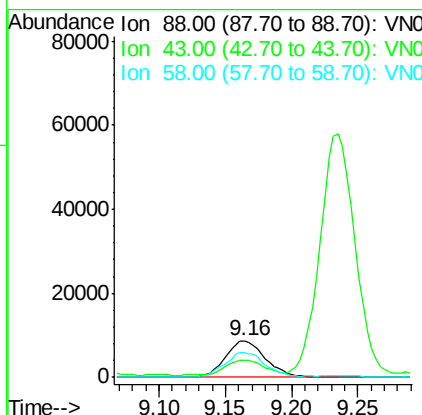
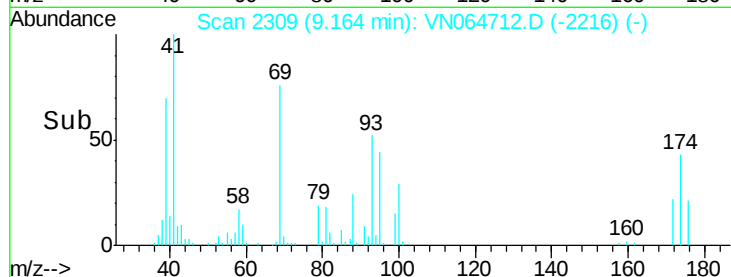
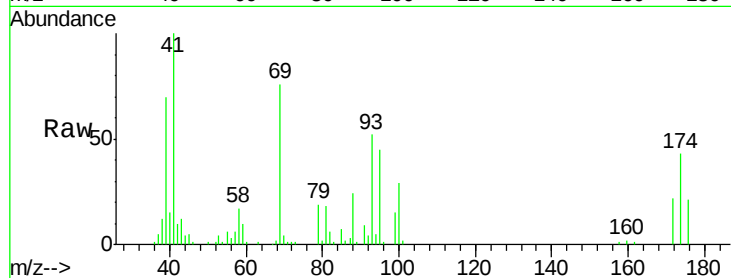
#49  
 1,4-Dioxane  
 Concen: 405.313 ug/l  
 RT: 9.16 min Scan# 2309  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 44.1  | 31.3  | 46.9  |
| 58      | 69.7  | 55.7  | 83.5  |

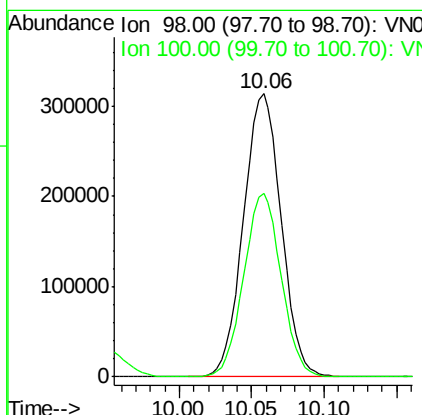
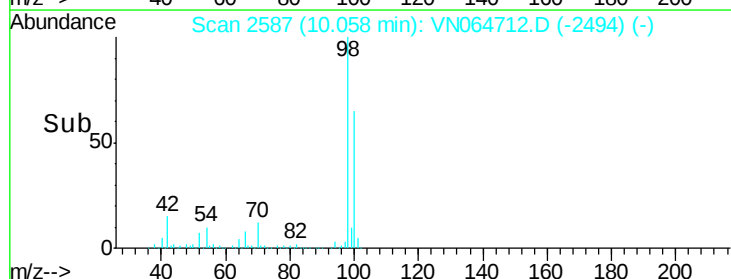
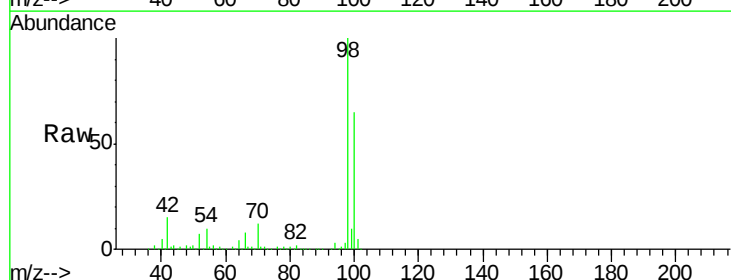
Manual Integrations  
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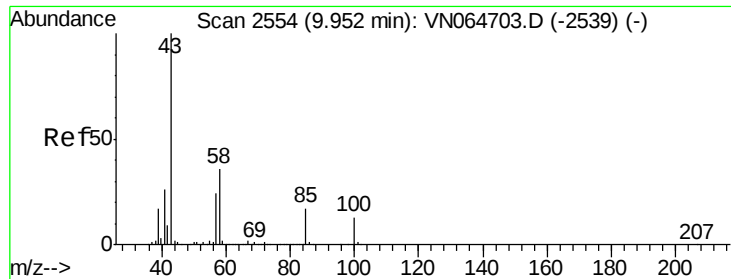
MMDadoda  
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#50  
 Toluene-d8  
 Concen: 48.183 ug/l  
 RT: 10.06 min Scan# 2587  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.3  | 50.4  | 75.6  |





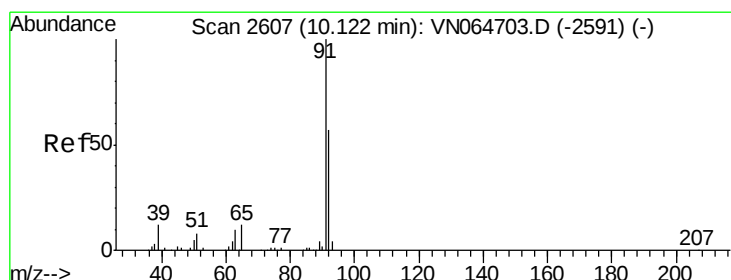
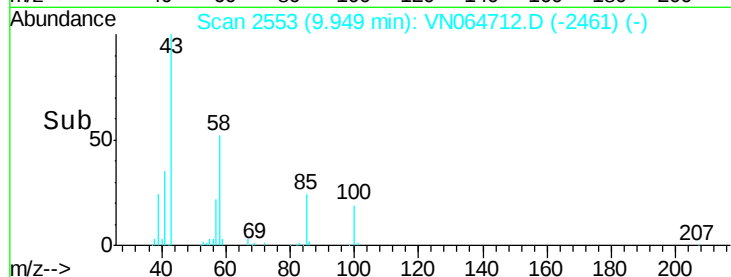
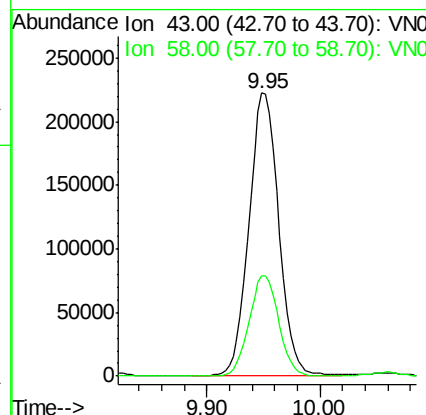
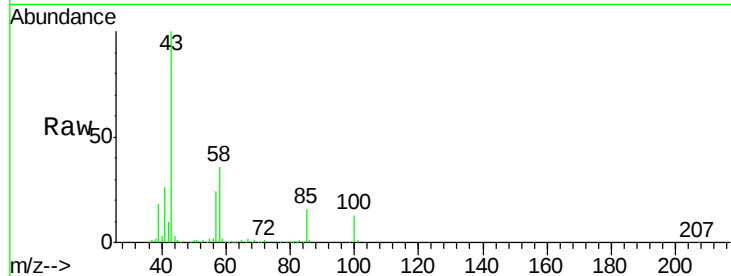
#51  
4-Methyl-2-Pentanone  
Concen: 92.097 ug/l  
RT: 9.95 min Scan# 2553  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1118MBS01

| Tot Ion   | 43   | Resp  | 406003 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 35.5 | 28.5  | 42.7   |

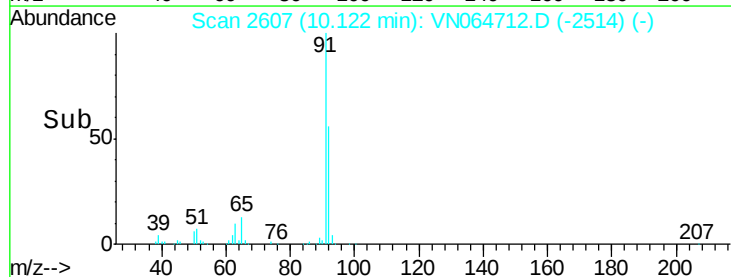
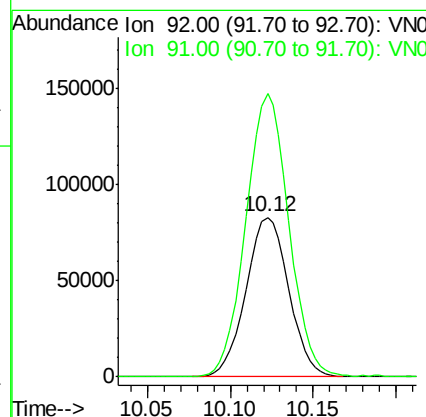
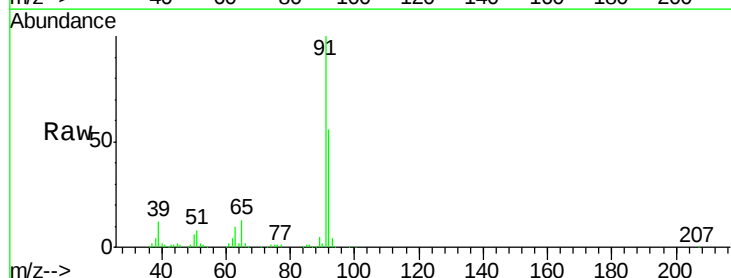
Manual Integrations  
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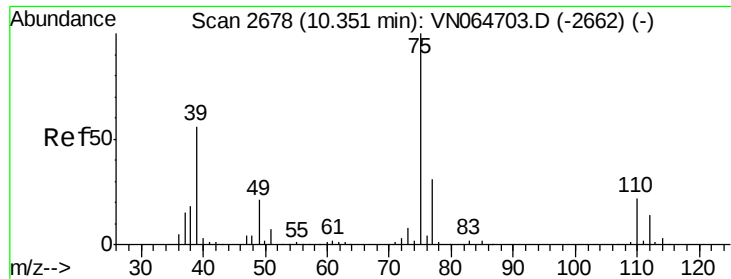
MMDadoda  
11/19/2020 2:10:53 PM



#52  
Toluene  
Concen: 18.444 ug/l  
RT: 10.12 min Scan# 2607  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

| Tgt Ion   | 92    | Resp  | 148833 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 92        | 100   |       |        |
| 91        | 177.7 | 141.2 | 211.8  |





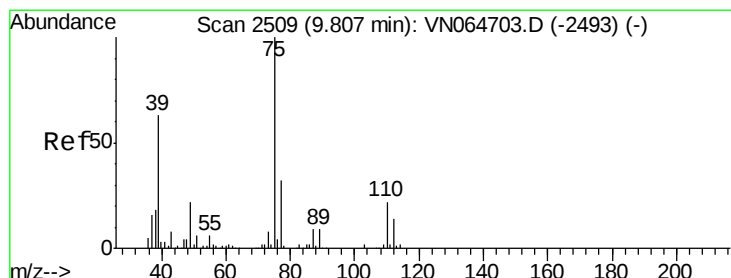
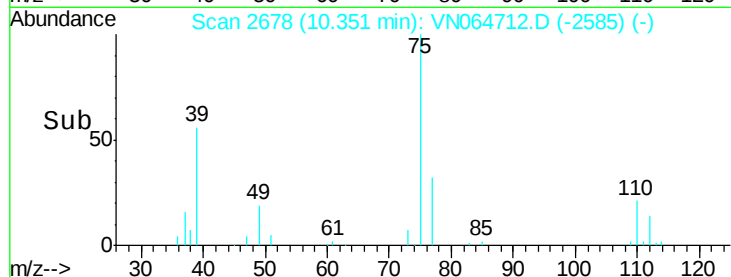
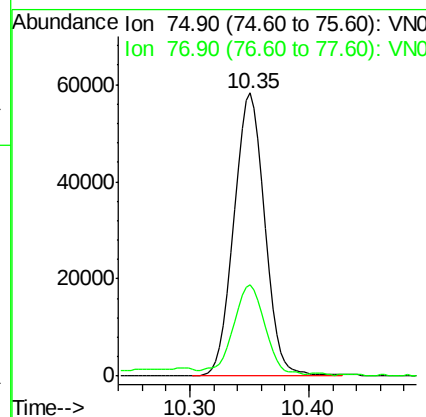
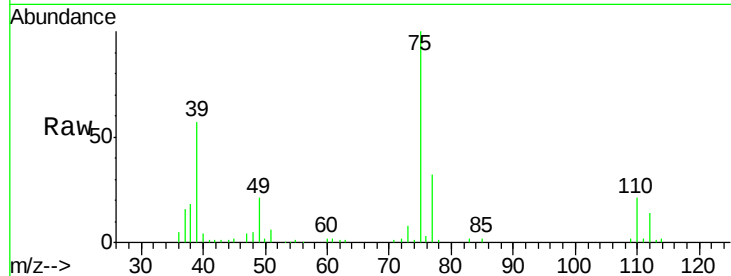
#53  
t-1,3-Dichloropropene  
Concen: 18.844 ug/l  
RT: 10.35 min Scan# 2678  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

Tot Ion: 75 Resp: 104959  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.4 38.0

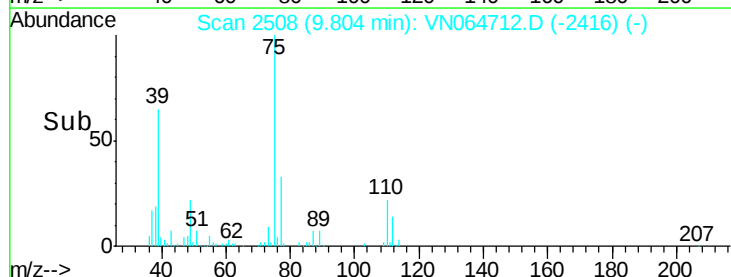
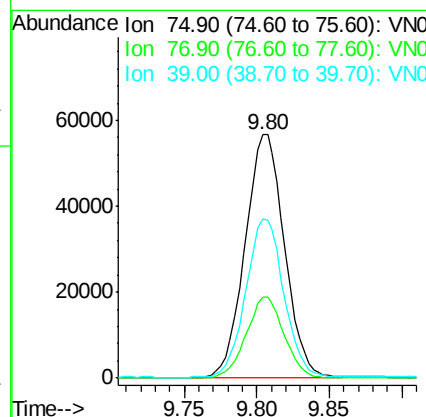
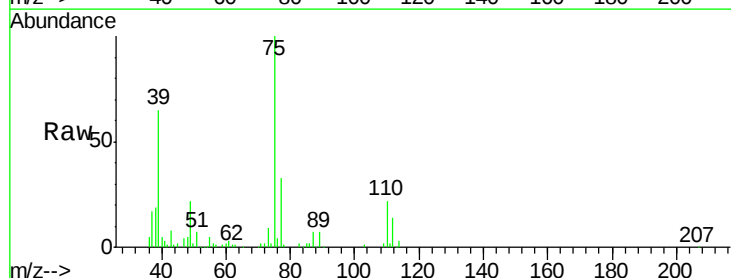
Manual Integrations  
APPROVED

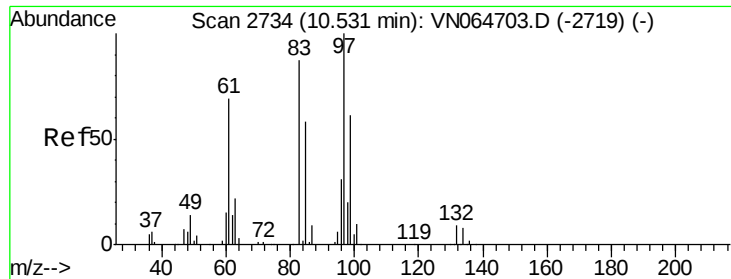
MMDadoda  
11/19/2020 2:10:53 PM



#54  
cis-1,3-Dichloropropene  
Concen: 18.693 ug/l  
RT: 9.80 min Scan# 2508  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Tgt Ion: 75 Resp: 107207  
Ion Ratio Lower Upper  
75 100  
77 33.4 25.8 38.8  
39 64.7 50.5 75.7





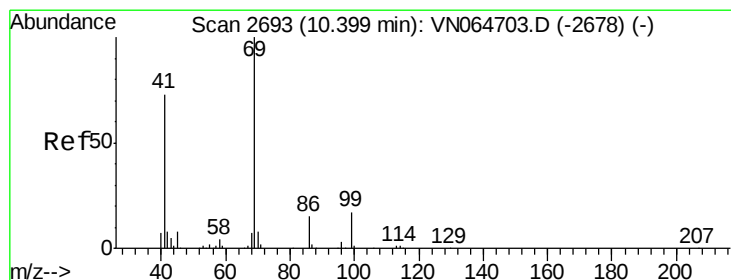
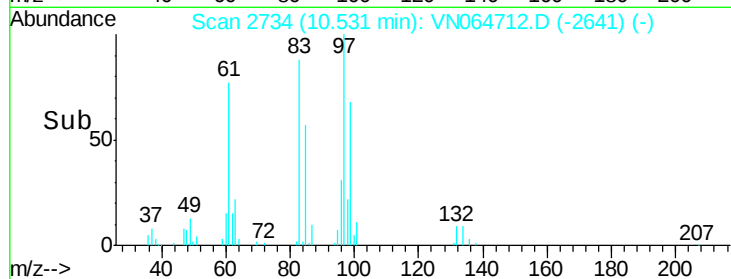
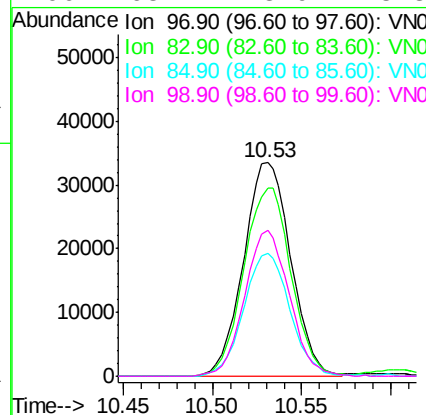
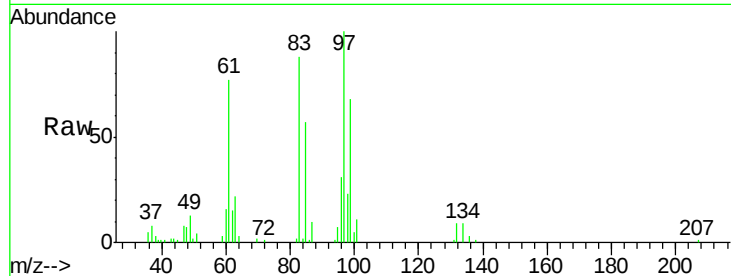
#55  
 1,1,2-Trichloroethane  
 Concen: 19.189 ug/l  
 RT: 10.53 min Scan# 2734  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 62107 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.1  | 69.6  | 104.4 |
| 85       | 57.3  | 46.6  | 70.0  |
| 99       | 68.4  | 48.9  | 73.3  |

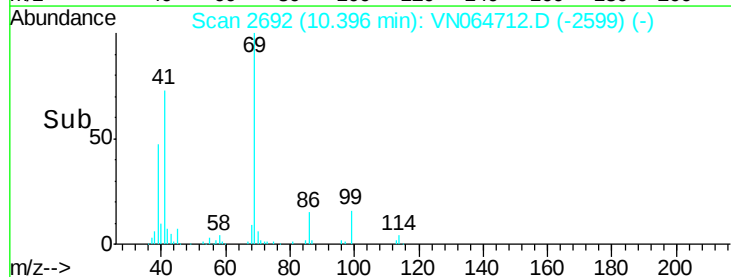
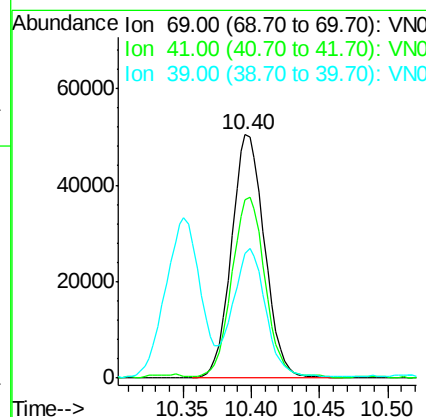
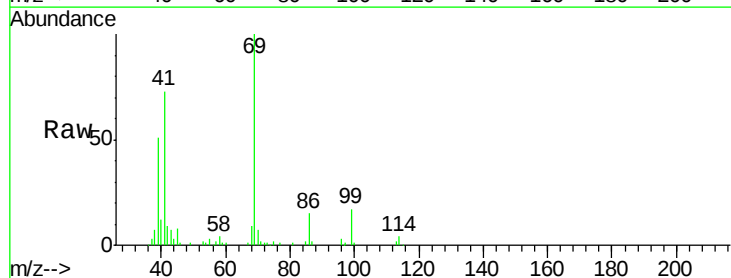
Manual Integrations  
 APPROVED

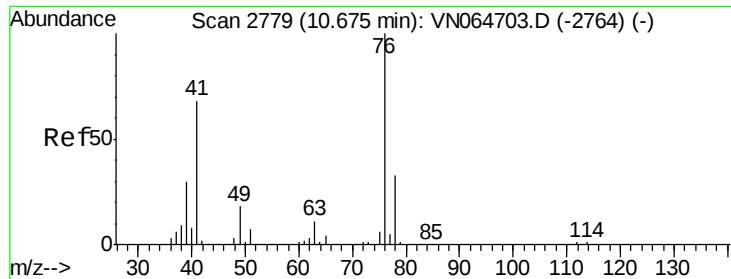
MMDadoda  
 11/19/2020 2:10:53 PM



#56  
 Ethyl methacrylate  
 Concen: 17.823 ug/l  
 RT: 10.40 min Scan# 2692  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 85025 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 74.3  | 59.0  | 88.4  |
| 39       | 51.6  | 38.4  | 57.6  |





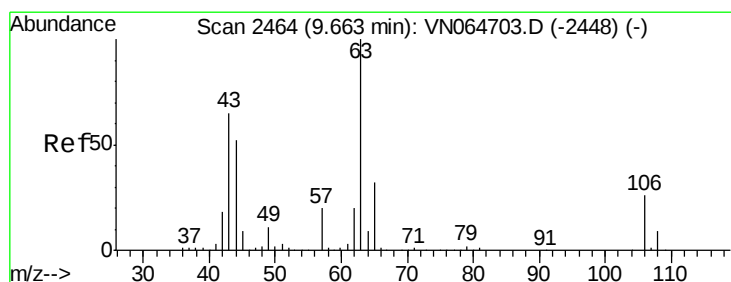
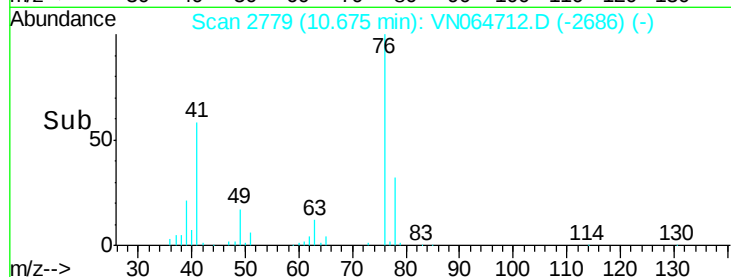
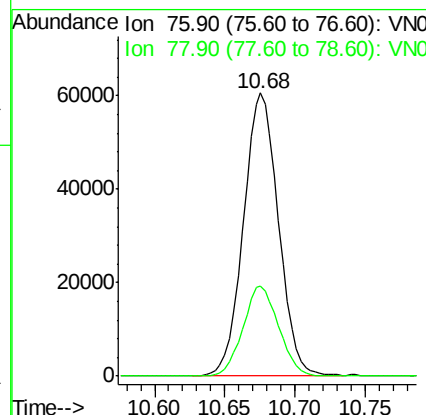
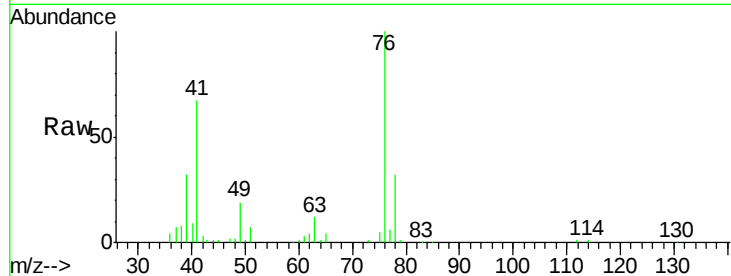
#57  
 1,3-Dichloropropane  
 Concen: 18.787 ug/l  
 RT: 10.68 min Scan# 2779  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118MBS01

Tot Ion: 76 Resp: 105328  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 26.4 39.6

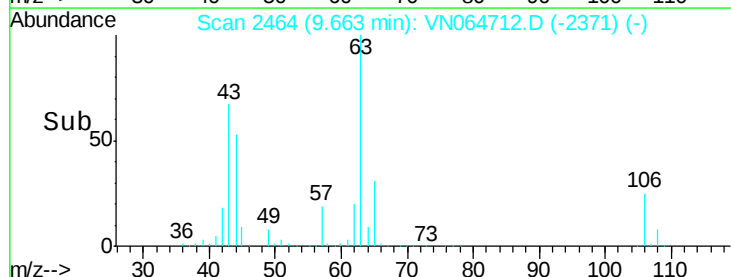
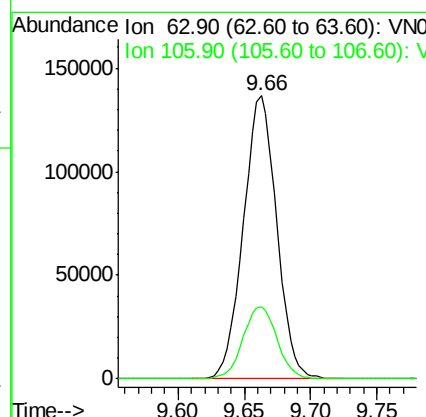
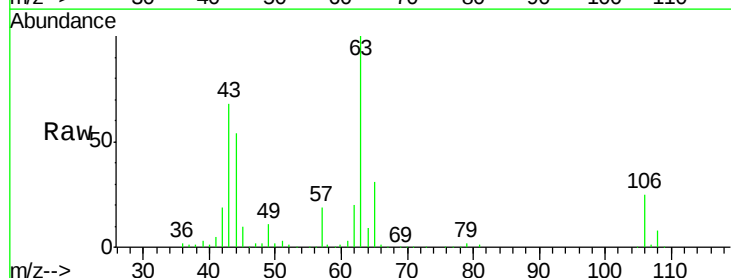
Manual Integrations  
 APPROVED

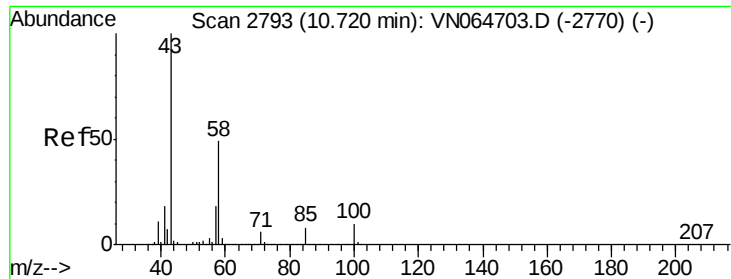
MMDadoda  
 11/19/2020 2:10:53 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 91.189 ug/l  
 RT: 9.66 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

Tgt Ion: 63 Resp: 239033  
 Ion Ratio Lower Upper  
 63 100  
 106 26.0 20.9 31.3





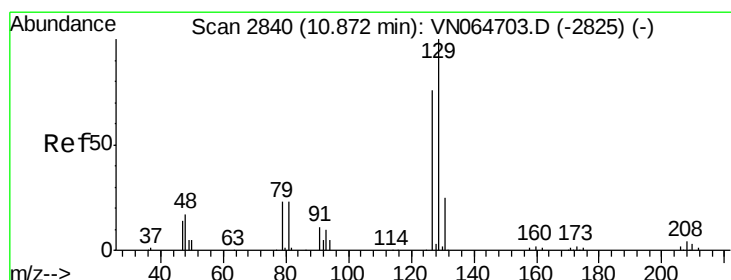
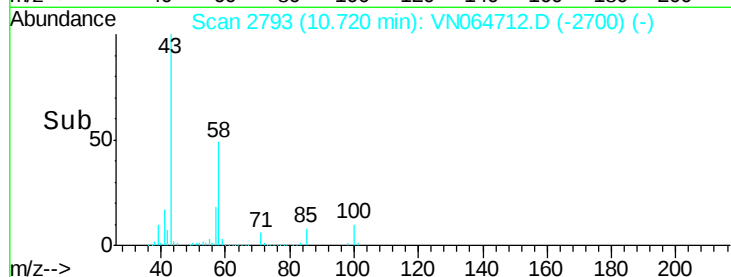
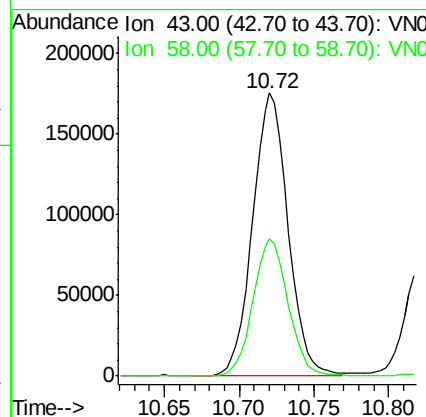
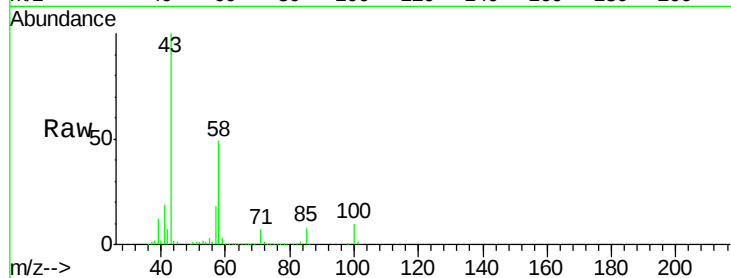
#59  
2-Hexanone  
Concen: 90.247 ug/l  
RT: 10.72 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 48.6  | 24.4  | 73.4  |

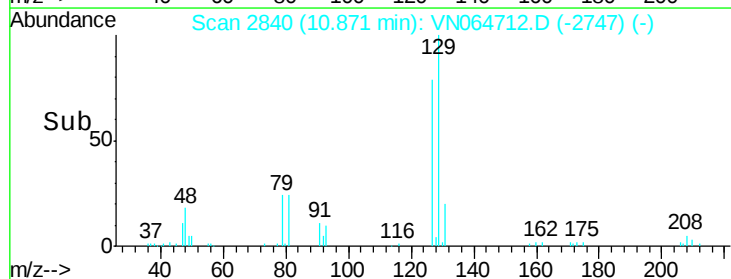
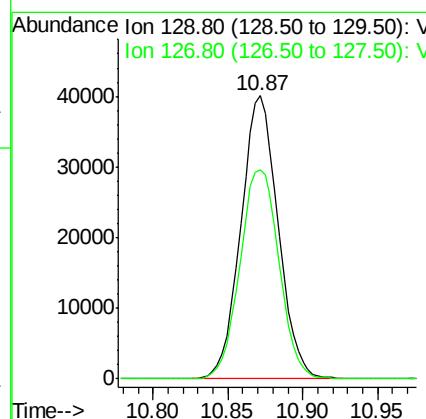
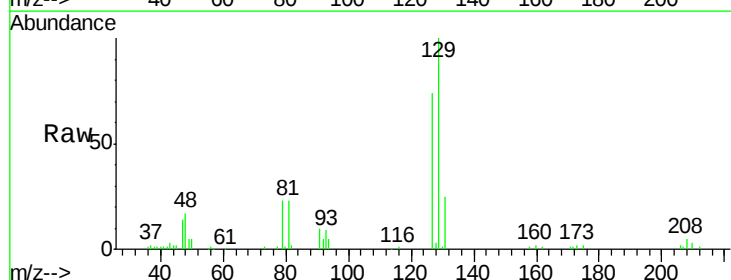
Manual Integrations  
APPROVED

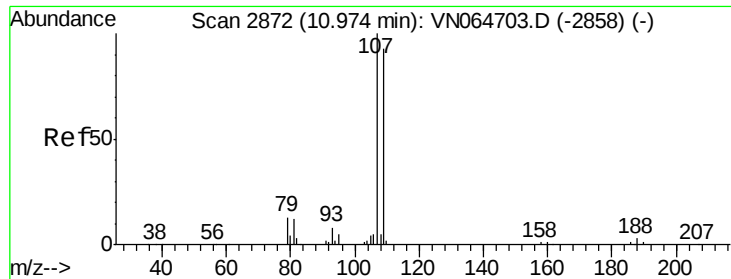
MMDadoda  
11/19/2020 2:10:53 PM



#60  
Dibromochloromethane  
Concen: 18.575 ug/l  
RT: 10.87 min Scan# 2840  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.6  | 38.8  | 116.4 |





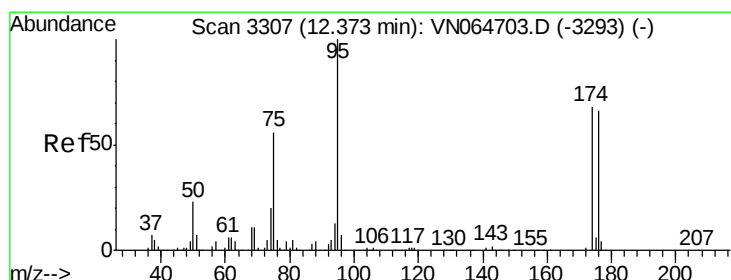
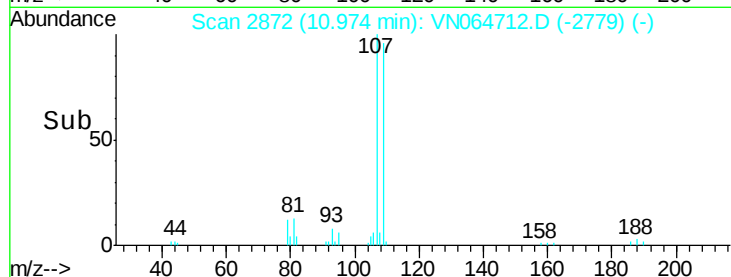
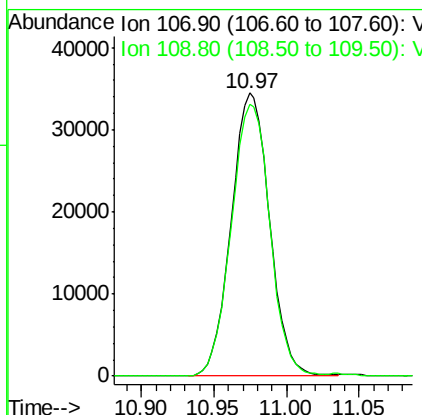
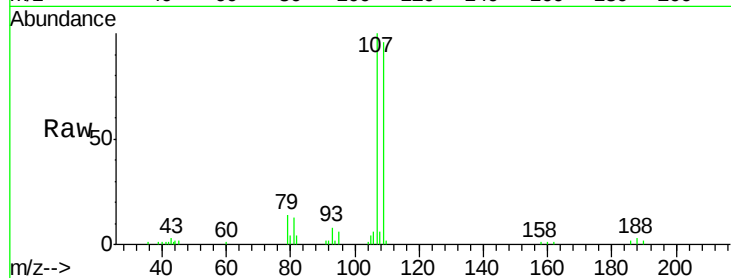
#61  
 1,2-Dibromoethane  
 Concen: 18.306 ug/l  
 RT: 10.97 min Scan# 2872  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 96.9  | 74.2  | 111.4 |

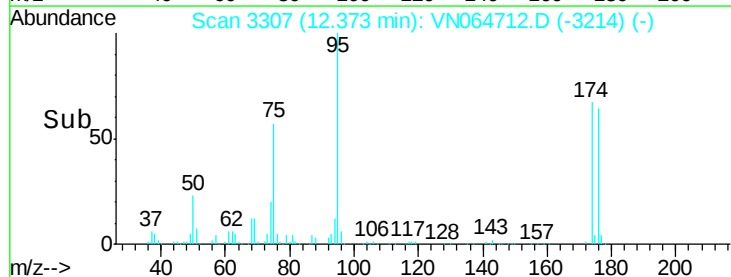
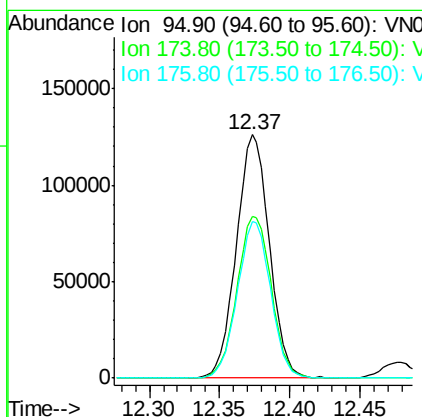
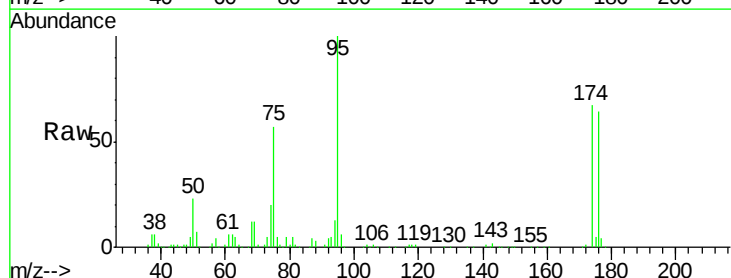
Manual Integrations  
 APPROVED

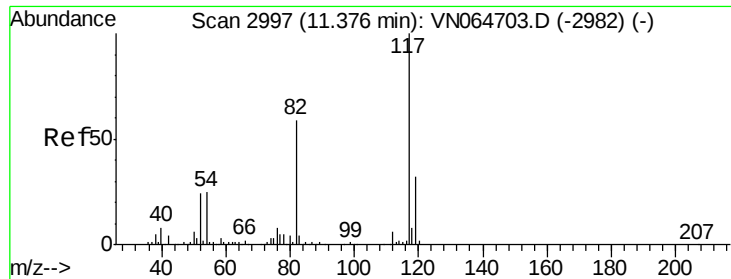
MMDadoda  
 11/19/2020 2:10:53 PM



#62  
 4-Bromofluorobenzene  
 Concen: 46.936 ug/l  
 RT: 12.37 min Scan# 3307  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 69.0  | 0.0   | 136.8 |
| 176     | 64.7  | 0.0   | 134.2 |





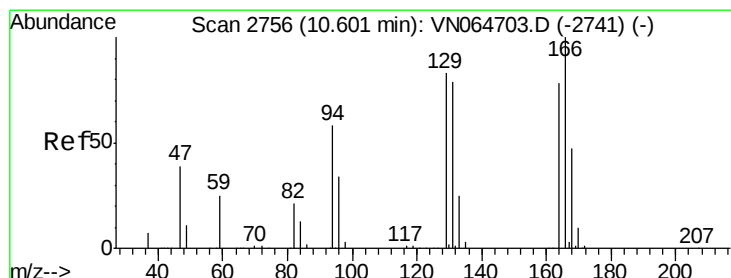
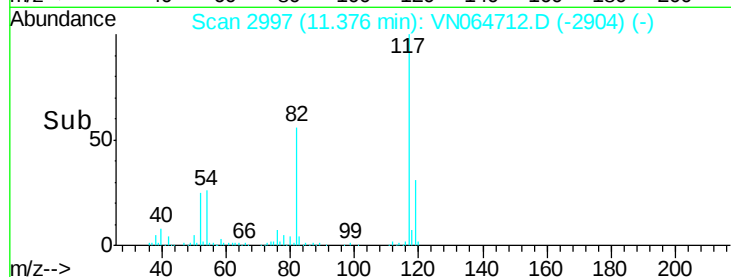
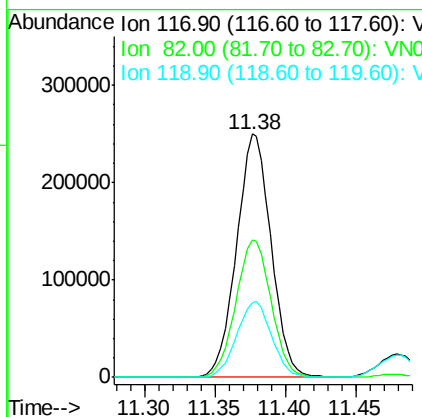
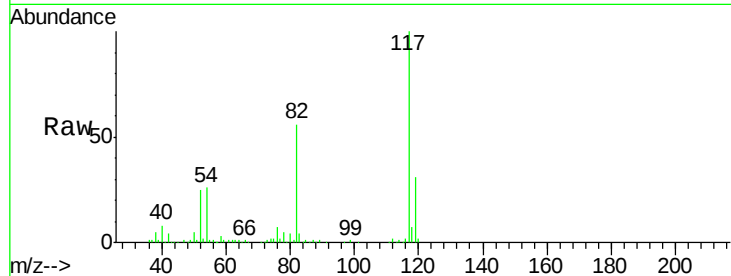
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2997  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 429133 |       |       |
| 82      | 56.5  | 47.0   | 70.6  |       |
| 119     | 30.9  | 25.4   | 38.2  |       |

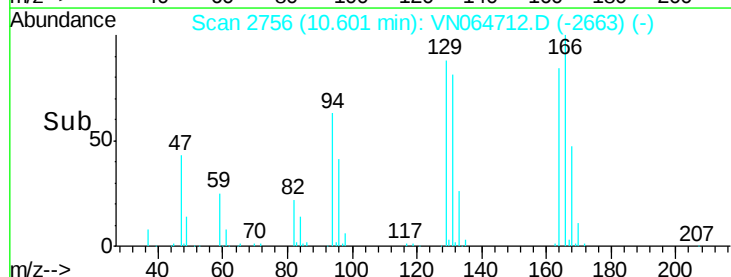
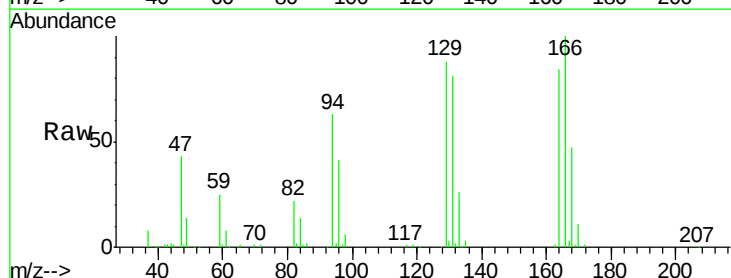
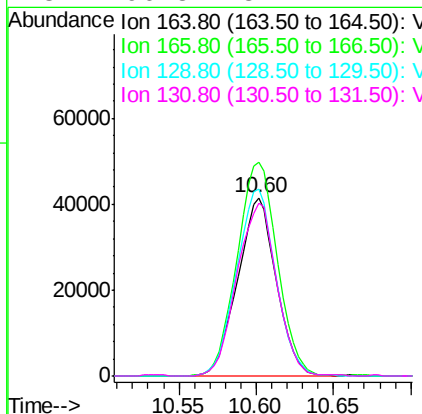
Manual Integrations  
APPROVED

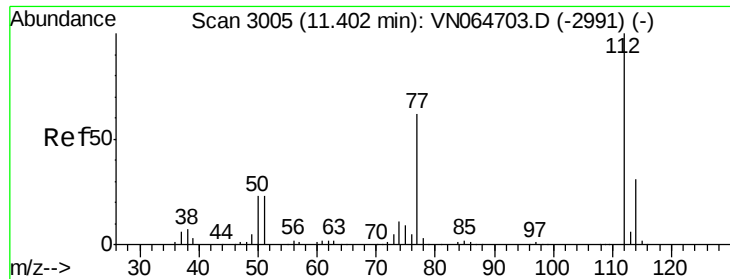
MMDadoda  
11/19/2020 2:10:53 PM



#64  
Tetrachloroethene  
Concen: 18.904 ug/l  
RT: 10.60 min Scan# 2756  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 71917 |       |       |
| 166     | 119.7 | 102.2 | 153.4 |       |
| 129     | 104.9 | 84.7  | 127.1 |       |
| 131     | 96.8  | 81.1  | 121.7 |       |





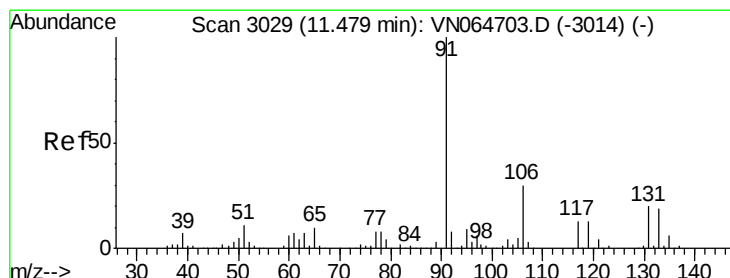
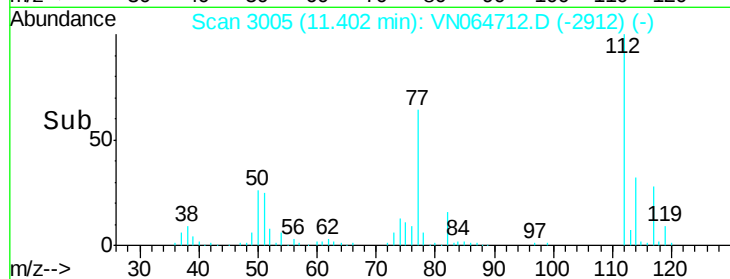
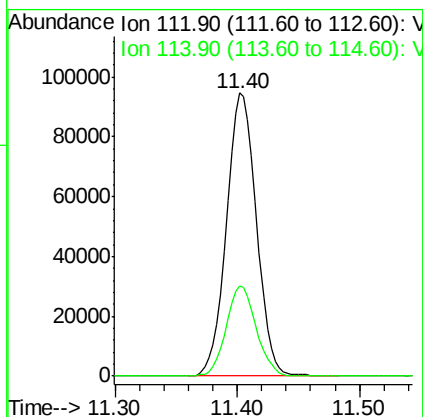
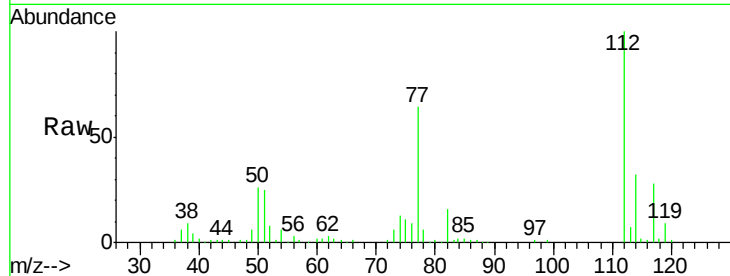
#65  
Chlorobenzene  
Concen: 17.806 ug/l  
RT: 11.40 min Scan# 3005  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

Tot Ion:112 Resp: 162536  
Ion Ratio Lower Upper  
112 100  
114 31.9 24.7 37.1

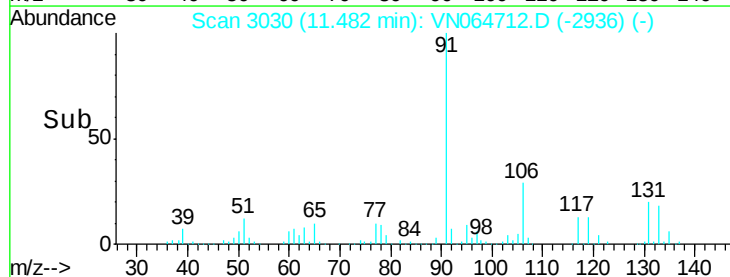
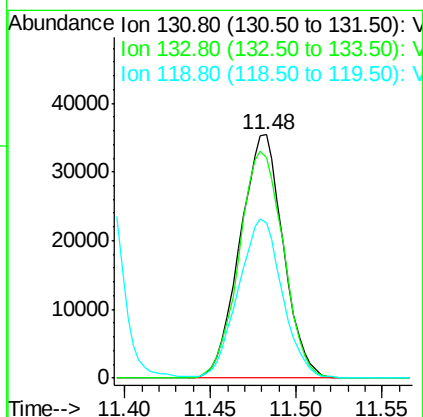
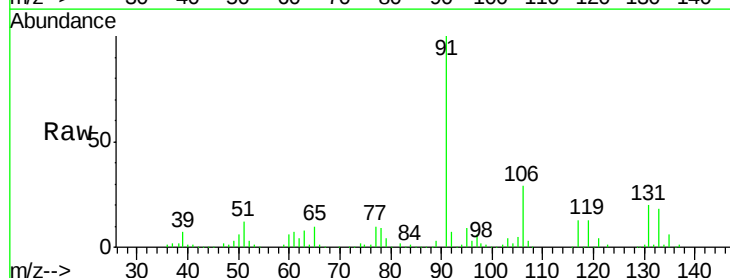
Manual Integrations  
APPROVED

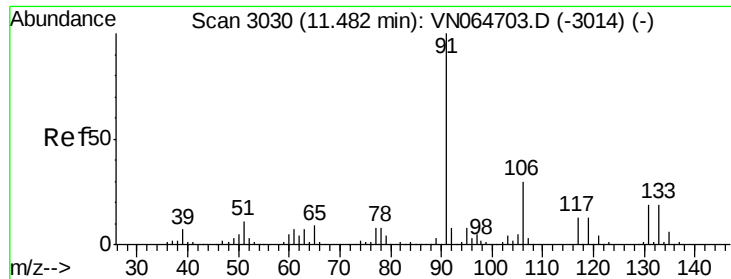
MMDadoda  
11/19/2020 2:10:53 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.122 ug/l  
RT: 11.48 min Scan# 3030  
Delta R.T. 0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Tgt Ion:131 Resp: 61812  
Ion Ratio Lower Upper  
131 100  
133 95.3 48.8 146.4  
119 66.4 33.5 100.4





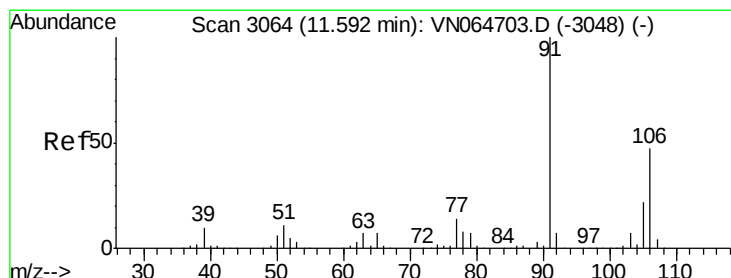
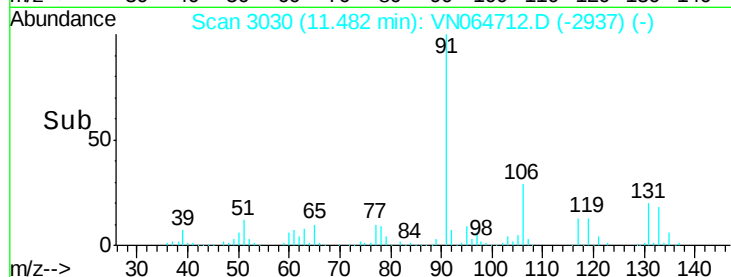
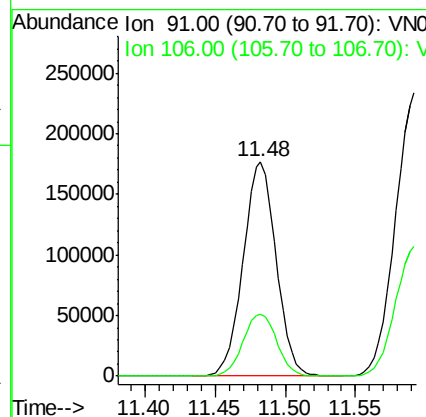
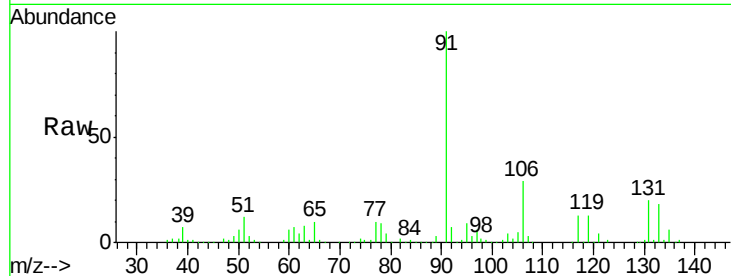
#67  
Ethyl Benzene  
Concen: 18.008 ug/l  
RT: 11.48 min Scan# 3030  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

Tot Ion: 91 Resp: 289840  
Ion Ratio Lower Upper  
91 100  
106 29.1 23.9 35.9

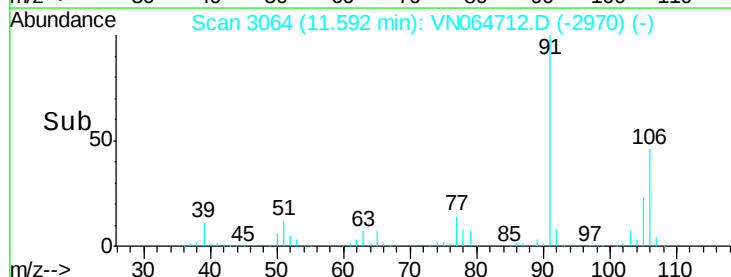
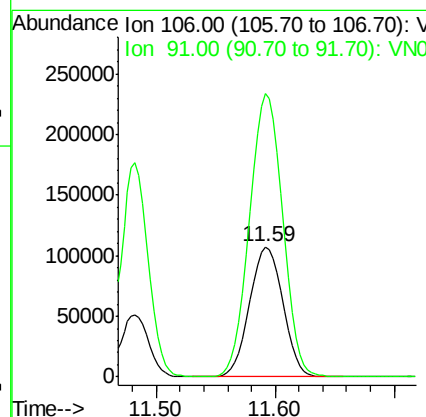
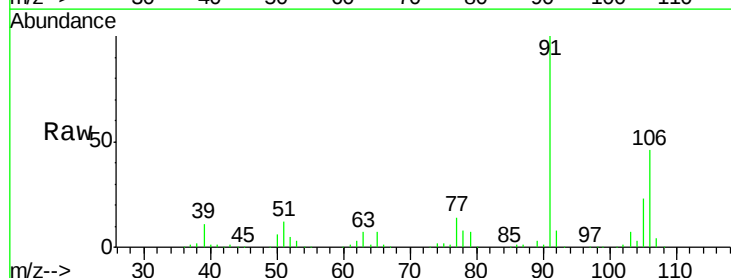
Manual Integrations  
APPROVED

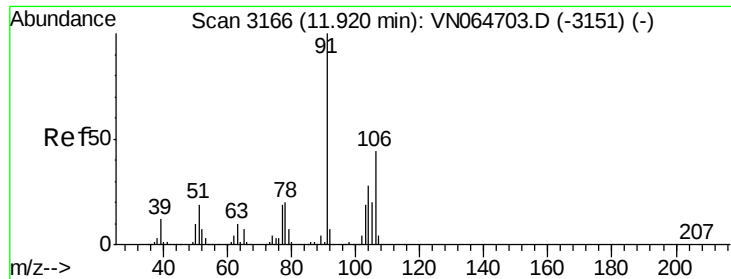
MMDadoda  
11/19/2020 2:10:53 PM



#68  
m/p-Xylenes  
Concen: 34.757 ug/l  
RT: 11.59 min Scan# 3064  
Delta R.T. 0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Tgt Ion: 106 Resp: 209105  
Ion Ratio Lower Upper  
106 100  
91 215.5 171.9 257.9





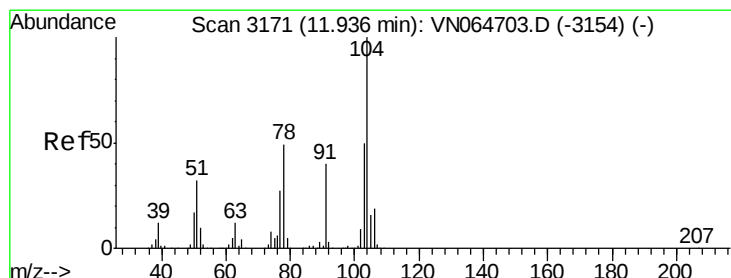
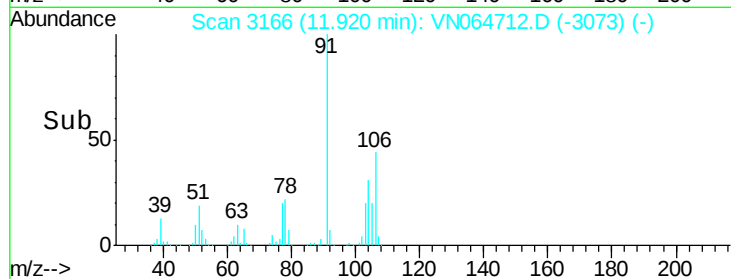
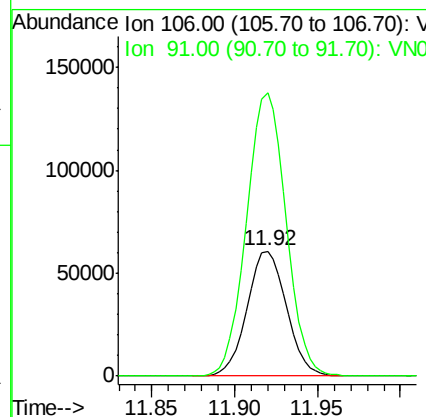
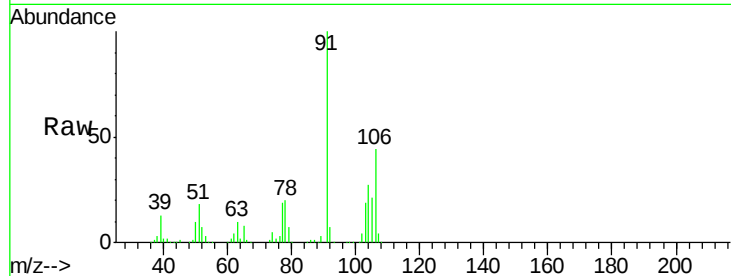
#69  
o-Xylene  
Concen: 17.892 ug/l  
RT: 11.92 min Scan# 3166  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |       |
| 91      | 228.0 | 112.1 | 336.3 |       |       |

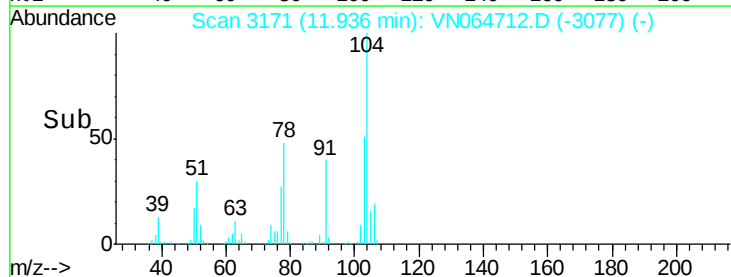
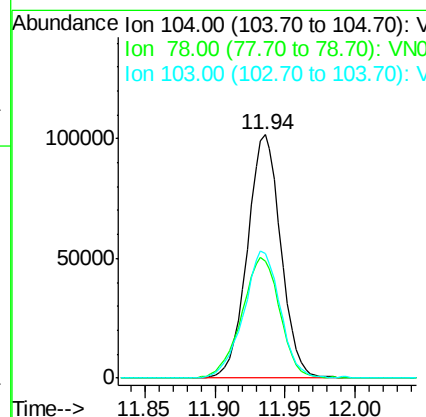
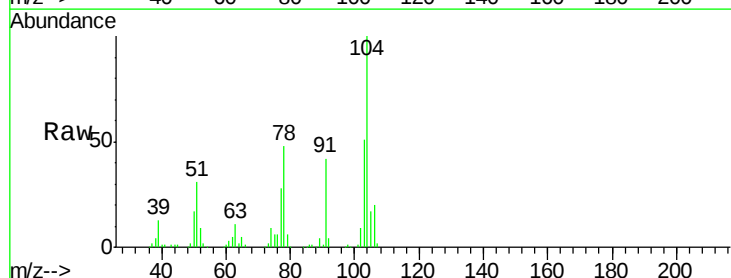
Manual Integrations  
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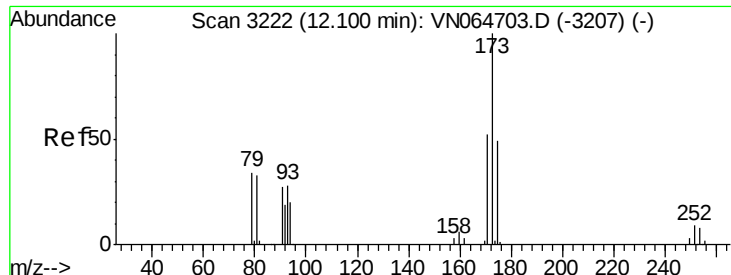
MMDadoda  
11/19/2020 2:10:53 PM



#70  
Styrene  
Concen: 17.218 ug/l  
RT: 11.94 min Scan# 3171  
Delta R.T. 0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 104     | 100  |       |      |       |       |
| 78      | 56.5 | 44.1  | 66.1 |       |       |
| 103     | 57.2 | 43.7  | 65.5 |       |       |





#71

Bromoform

Concen: 18.097 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

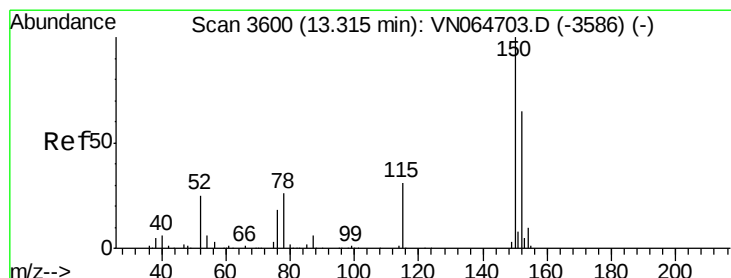
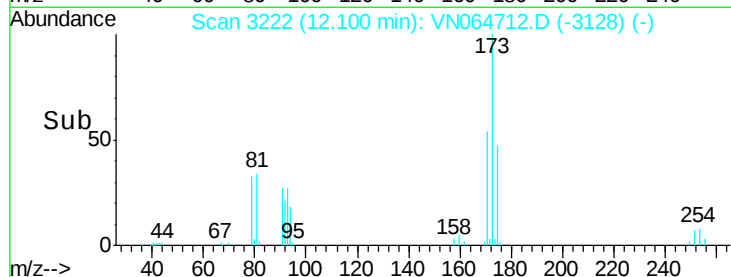
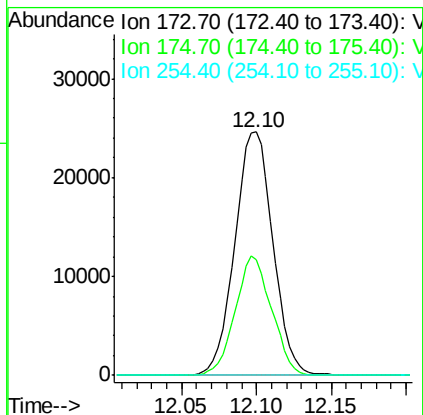
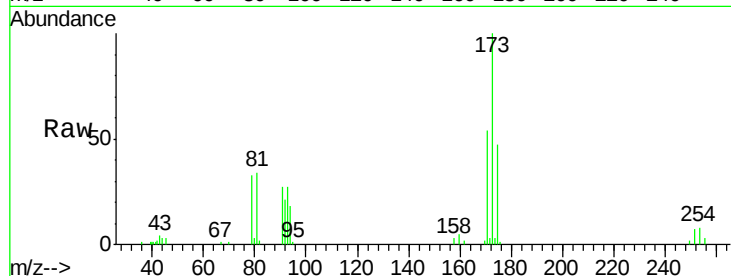
ClientSampleId :

VN1118MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 46.6  | 24.3  | 72.9  |
| 254     | 0.0   | 0.1   | 0.1#  |

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

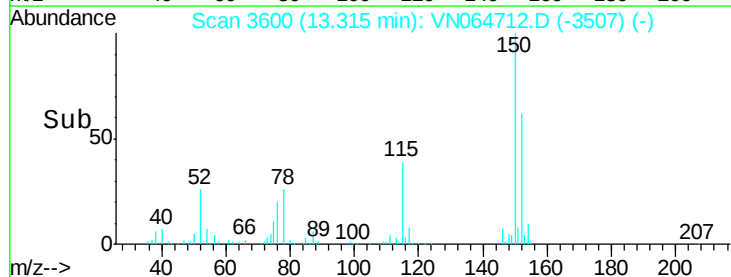
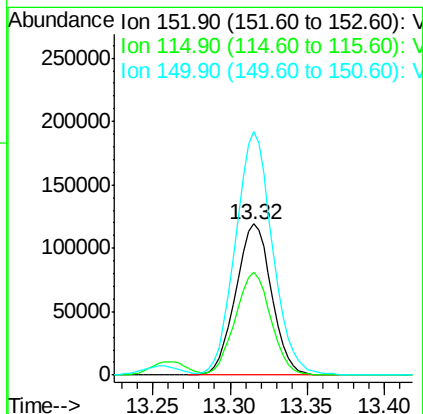
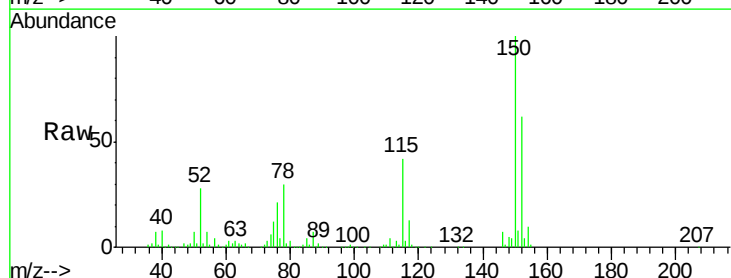
RT: 13.32 min Scan# 3600

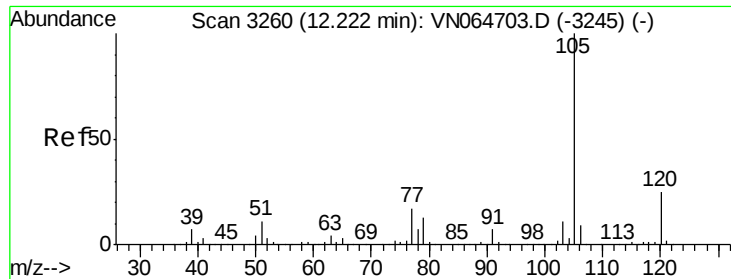
Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 66.4  | 32.1  | 96.3  |
| 150     | 165.7 | 0.0   | 344.8 |





#73

Isopropylbenzene

Concen: 19.197 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1118MBS01

Tot Ion: 105 Resp: 261762

Ion Ratio Lower Upper

105 100

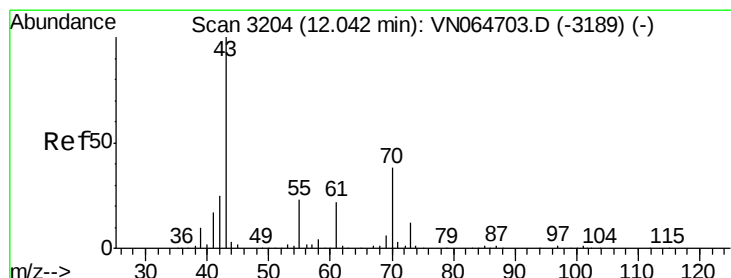
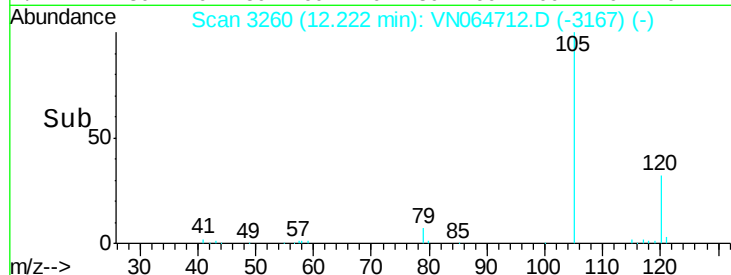
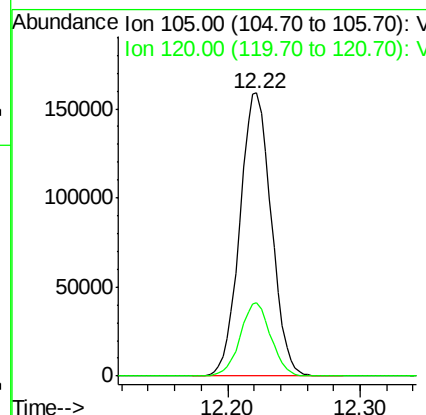
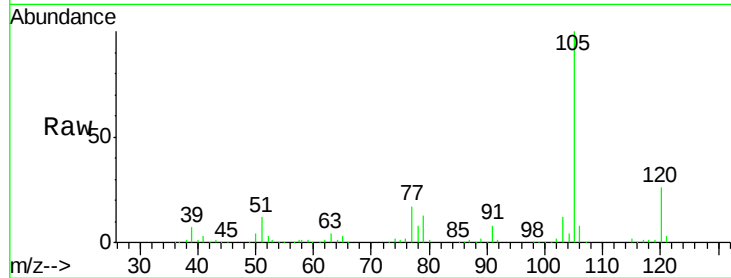
120 25.1 12.8 38.3

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#74

N-ethyl acetate

Concen: 18.604 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Tgt Ion: 43 Resp: 118467

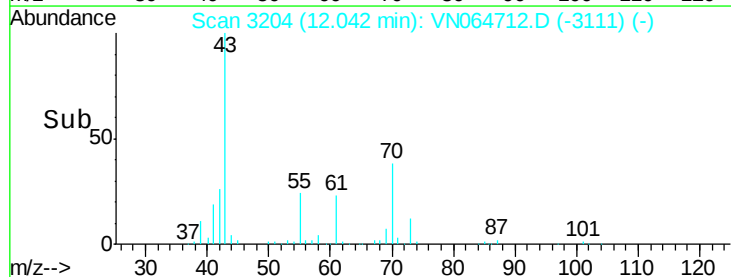
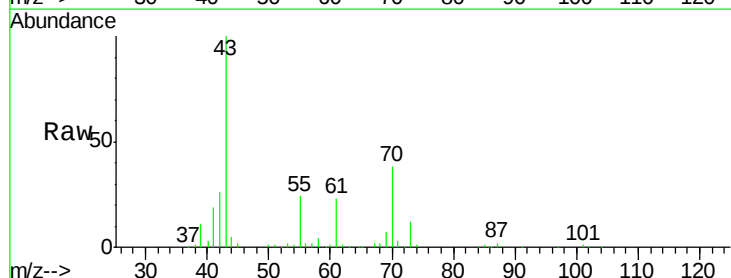
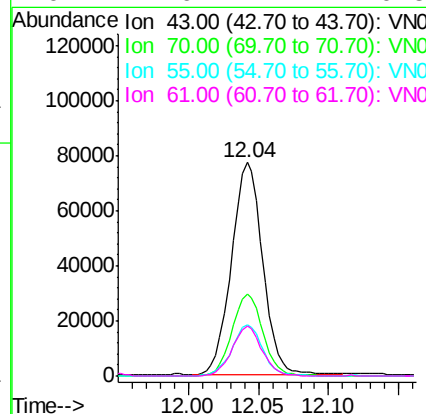
Ion Ratio Lower Upper

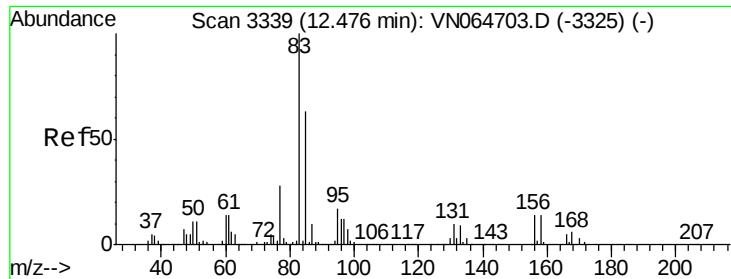
43 100

70 38.7 30.3 45.5

55 24.2 18.9 28.3

61 22.6 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.575 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

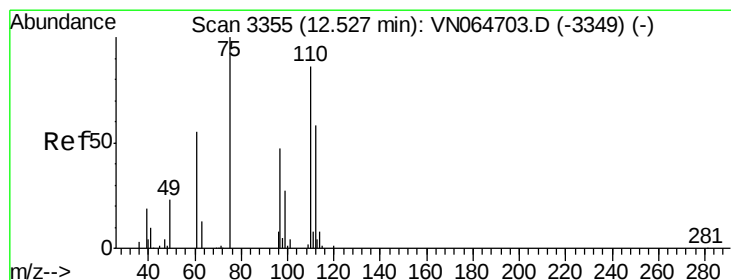
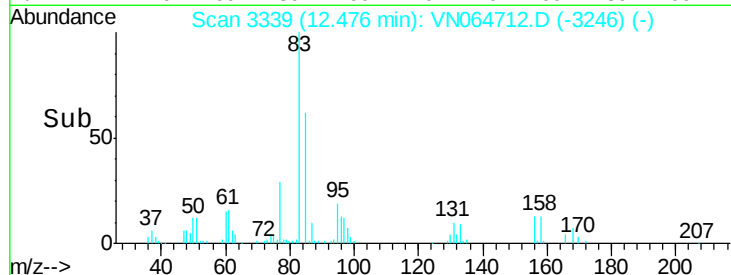
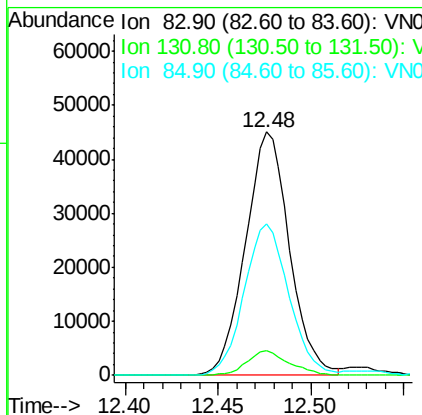
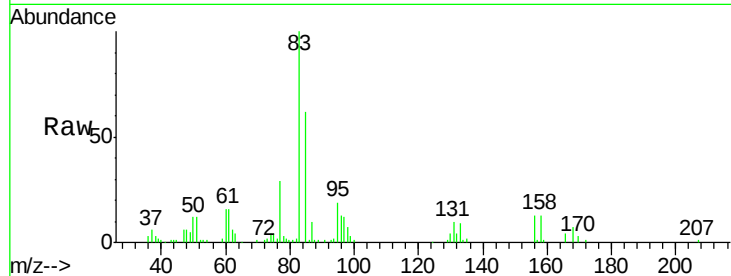
ClientSampleId :

VN1118MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 74624 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.9   | 5.0   | 15.0  |
| 85        | 63.0  | 31.8  | 95.4  |

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#76

1,2,3-Trichloropropane

Concen: 21.291 ug/l m

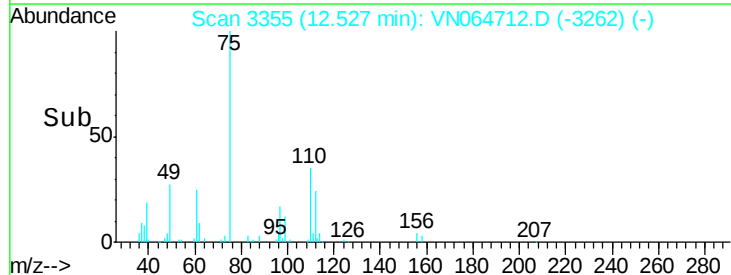
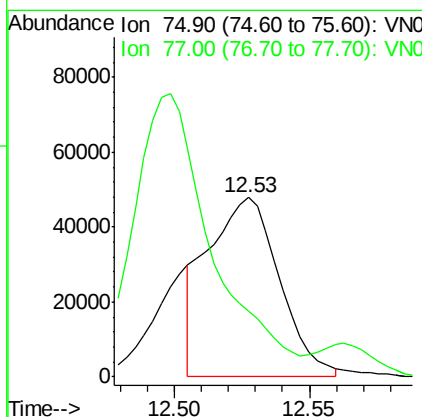
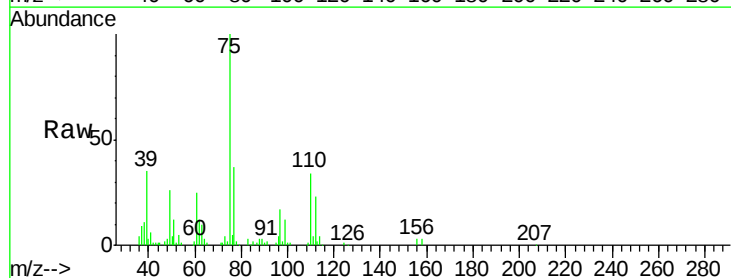
RT: 12.53 min Scan# 3355

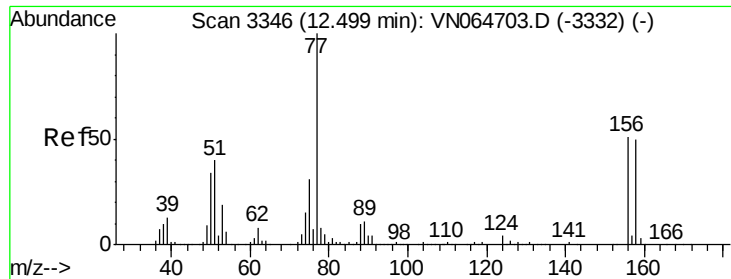
Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 88102 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 19.255 ug/l

RT: 12.50 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1118MBS01

Tot Ion:156 Resp: 66219

Ion Ratio Lower Upper

156 100

77 232.6 117.3 351.9

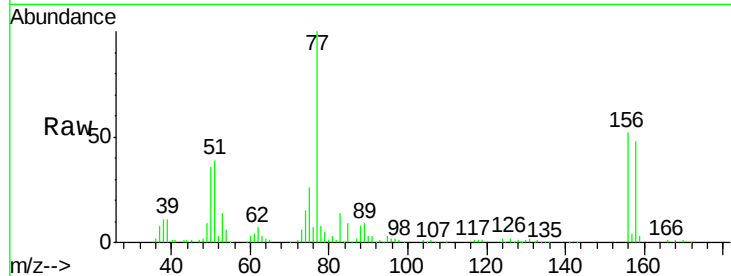
158 94.4 49.0 147.2

Manual Integrations

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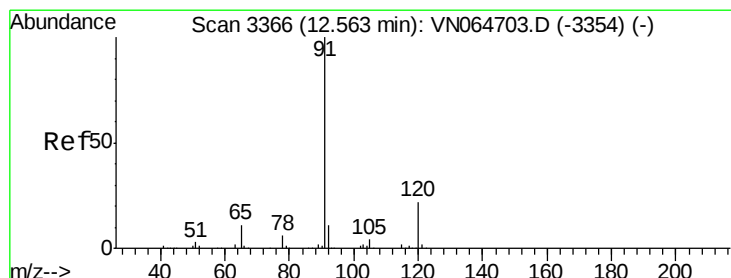
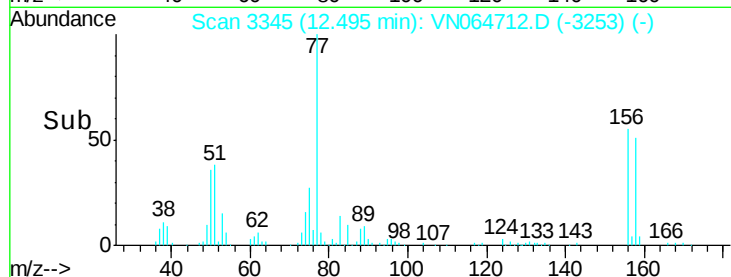
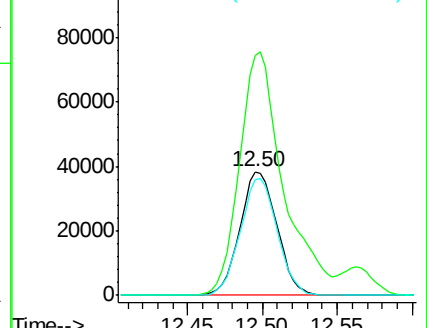
11/19/2020 2:10:53 PM



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: 19.637 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064712.D

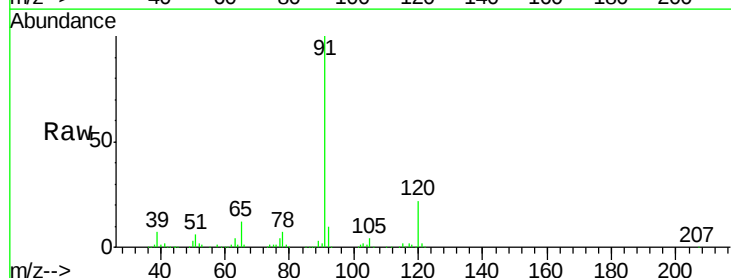
Acq: 18 Nov 2020 17:23

Tgt Ion: 91 Resp: 311817

Ion Ratio Lower Upper

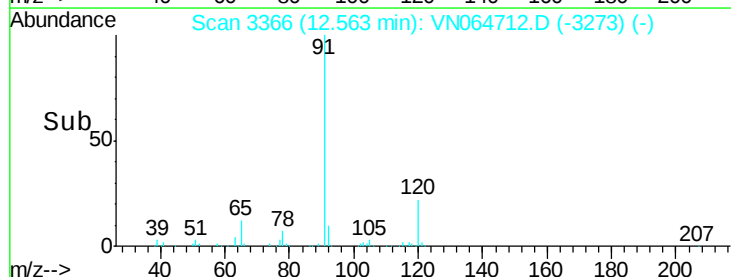
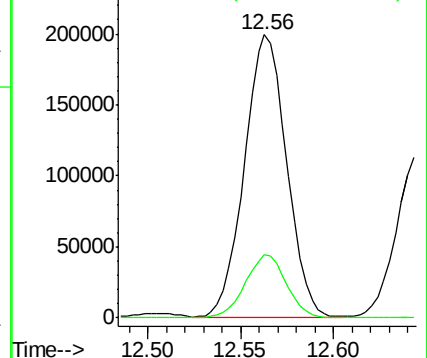
91 100

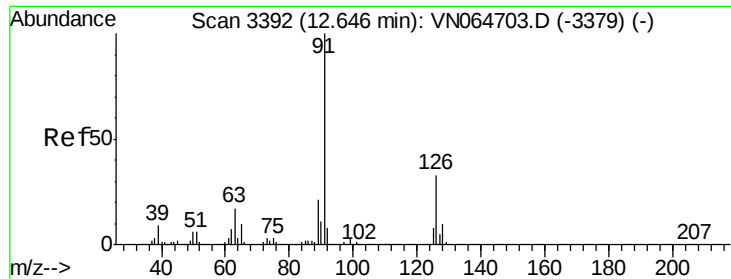
120 21.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





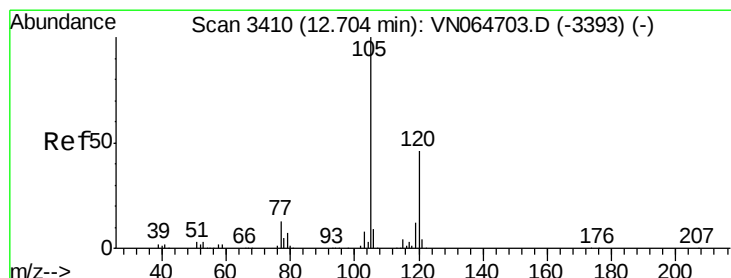
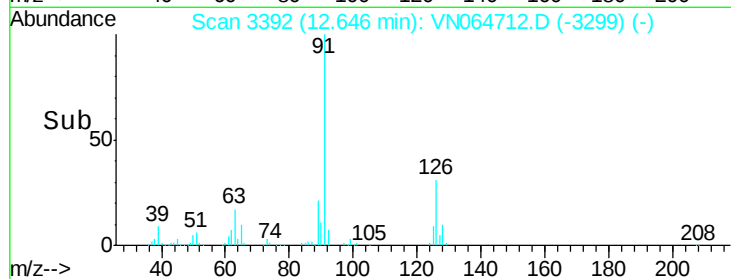
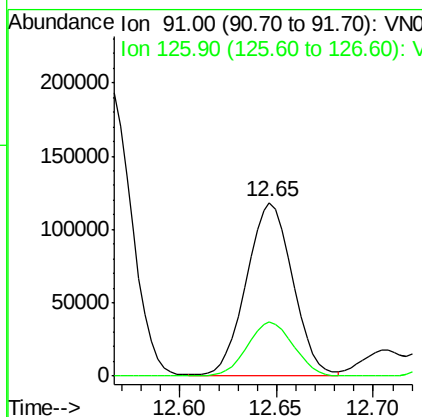
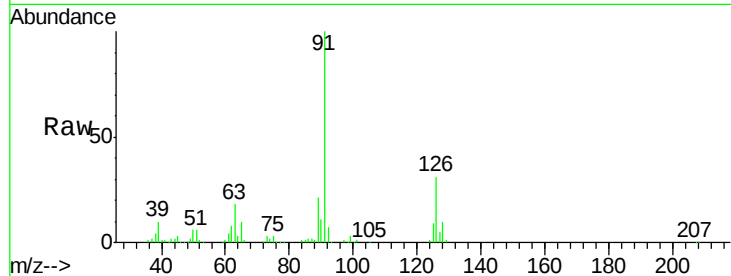
#79  
2-Chlorotoluene  
Concen: 19.216 ug/l  
RT: 12.65 min Scan# 3392  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

Tot Ion: 91 Resp: 195291  
Ion Ratio Lower Upper  
91 100  
126 31.6 16.0 48.0

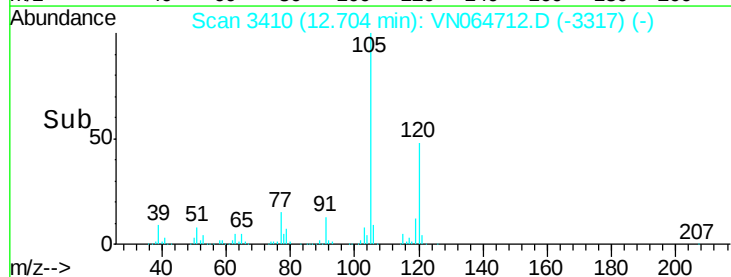
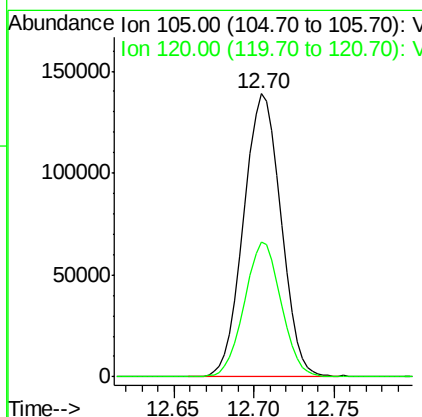
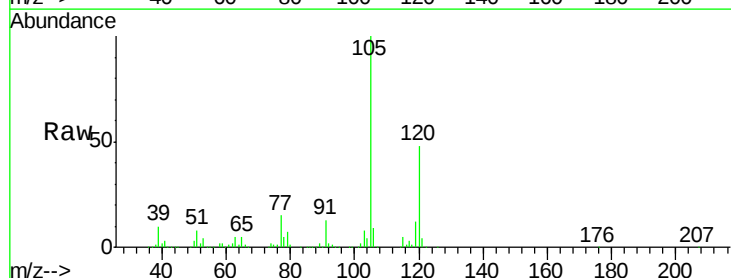
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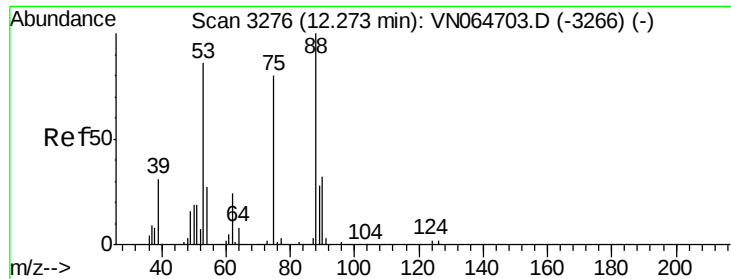
MMDadoda  
11/19/2020 2:10:53 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 19.573 ug/l  
RT: 12.70 min Scan# 3410  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Tgt Ion: 105 Resp: 221702  
Ion Ratio Lower Upper  
105 100  
120 46.8 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.199 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

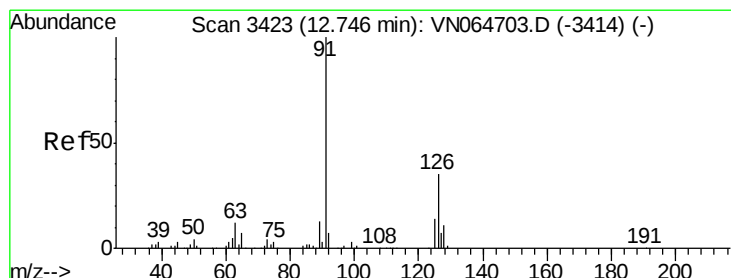
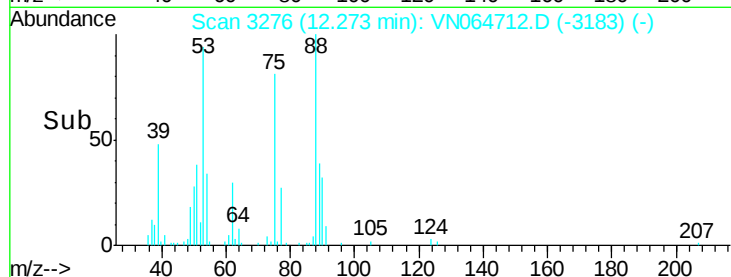
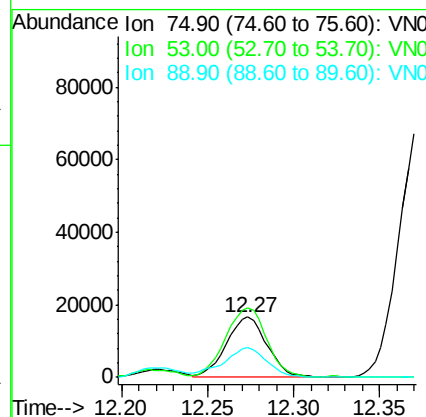
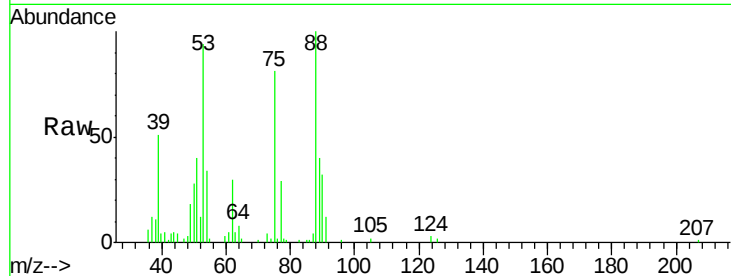
ClientSampleId :

VN1118MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 27611 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 114.4 | 88.8  | 133.2 |
| 89        | 51.9  | 43.1  | 64.7  |

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11/19/2020 2:10:53 PM



#82

4-Chlorotoluene

Concen: 19.149 ug/l

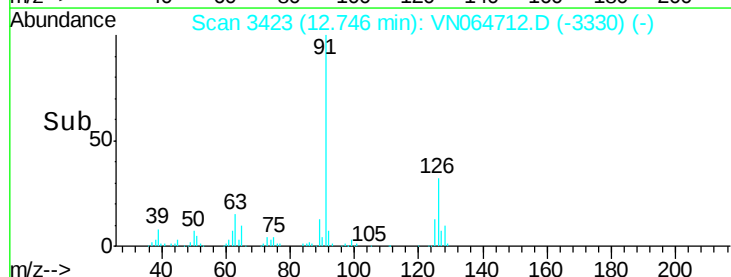
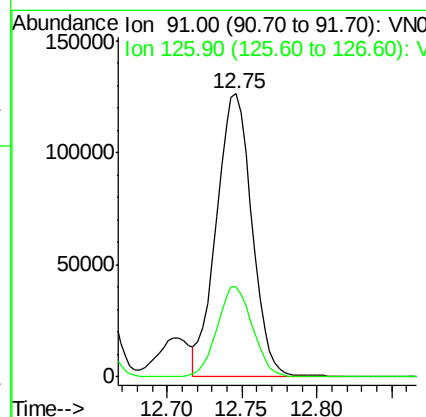
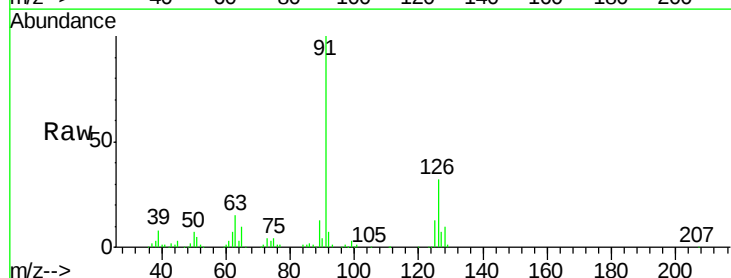
RT: 12.75 min Scan# 3423

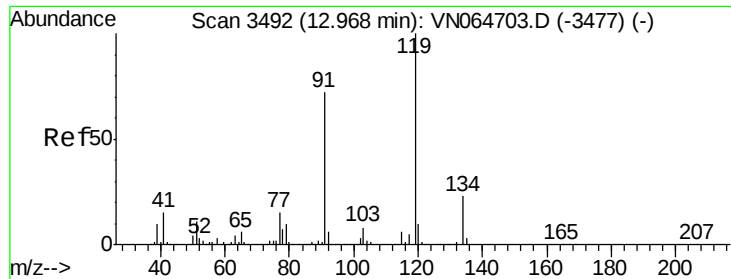
Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 207514 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 32.0  | 15.9  | 47.7   |





#83

tert-Butylbenzene

Concen: 20.050 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

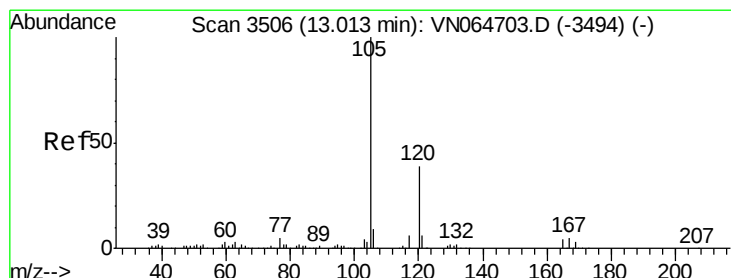
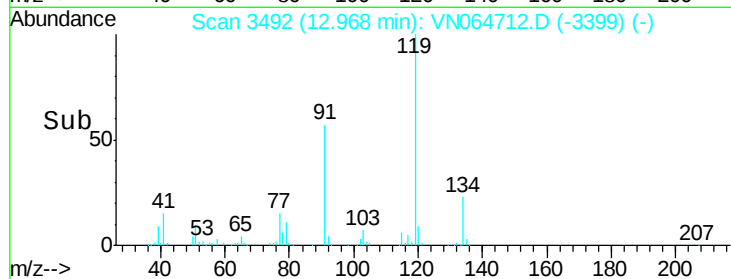
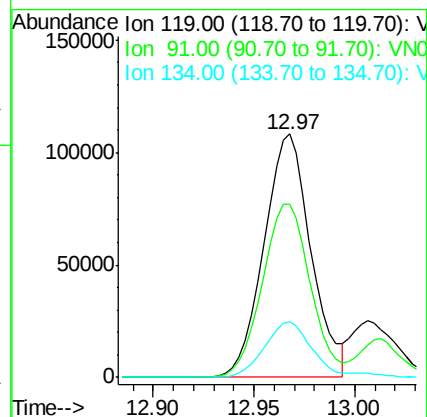
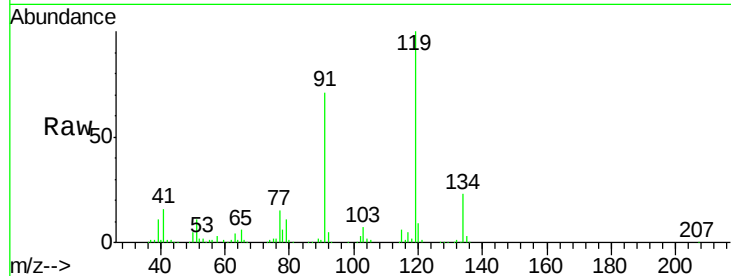
ClientSampleId :

VN1118MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 175685 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 72.0  | 35.8  | 107.4  |
| 134       | 22.7  | 12.0  | 36.1   |

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11/19/2020 2:10:53 PM



#84

1,2,4-Trimethylbenzene

Concen: 19.991 ug/l

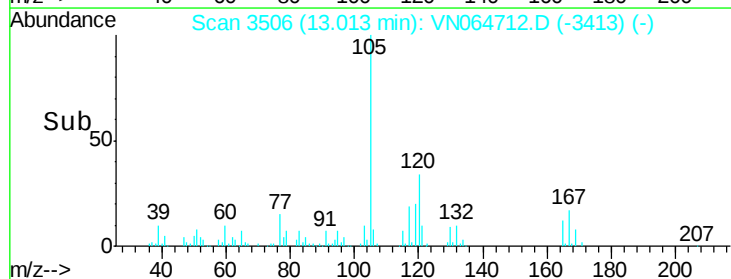
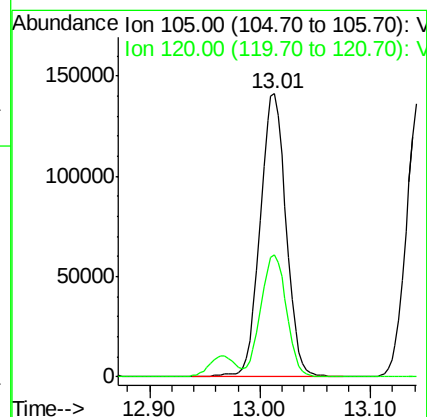
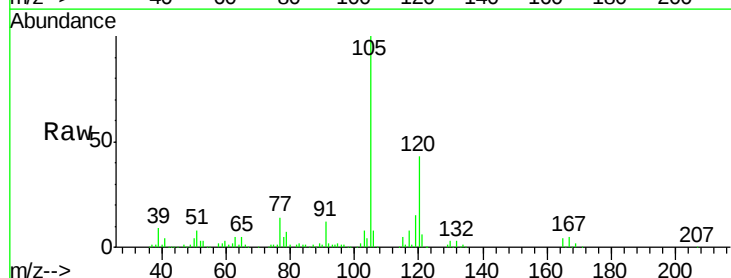
RT: 13.01 min Scan# 3506

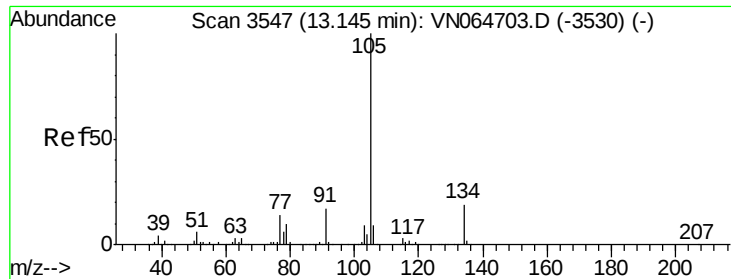
Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 231100 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 42.8  | 22.0  | 66.0   |





#85

sec-Butylbenzene

Concen: 19.594 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1118MBS01

Tot Ion:105 Resp: 228849

Ion Ratio Lower Upper

105 100

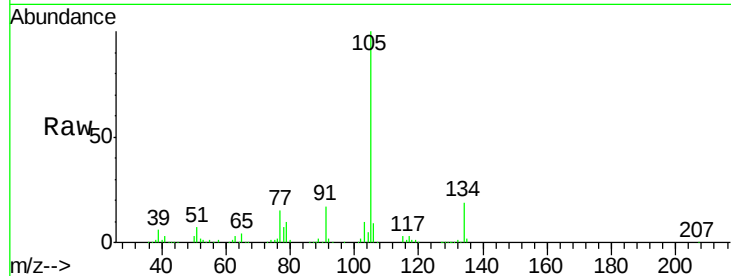
134 18.9 9.5 28.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

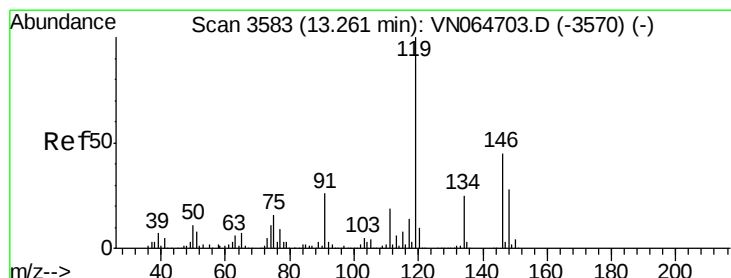
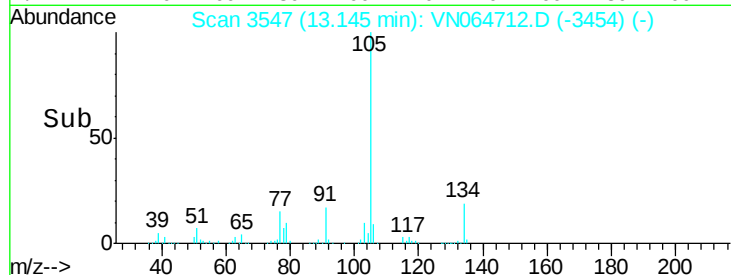
150000

100000

50000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 19.693 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

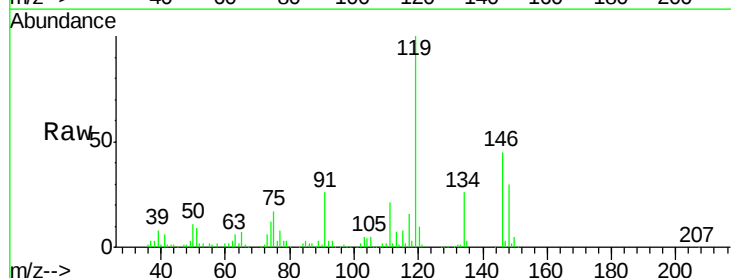
Tgt Ion:119 Resp: 211539

Ion Ratio Lower Upper

119 100

134 24.7 12.7 38.0

91 26.5 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

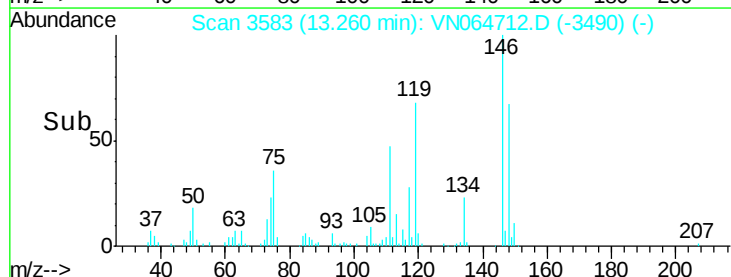
150000

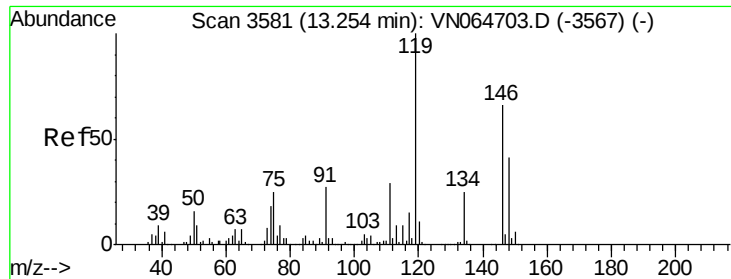
100000

50000

0

Time--> 13.20 13.30





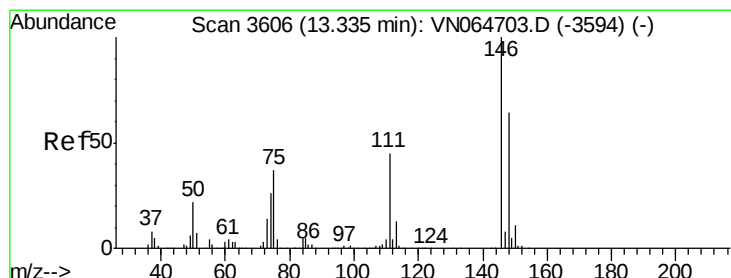
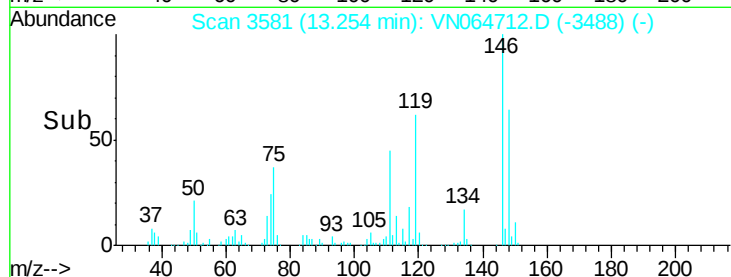
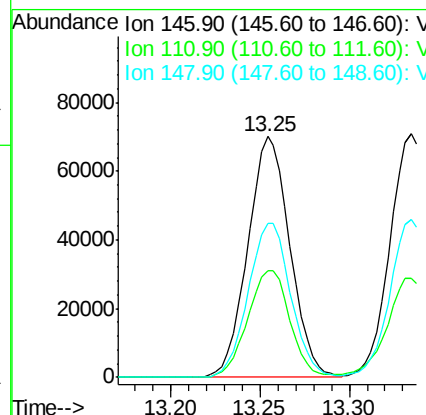
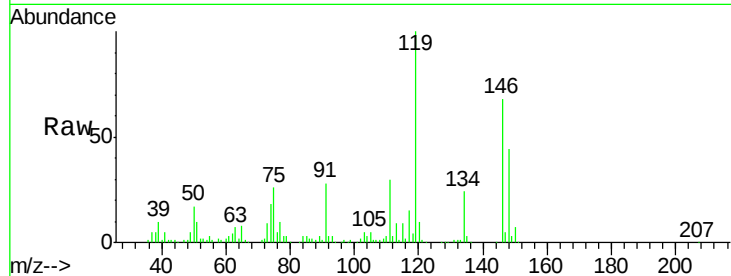
#87  
 1,3-Dichlorobenzene  
 Concen: 18.366 ug/l  
 RT: 13.25 min Scan# 3581  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118MBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 146     | 100   |      |       |       |
| 111     | 44.7  | 21.8 | 65.4  |       |
| 148     | 64.6  | 31.5 | 94.5  |       |

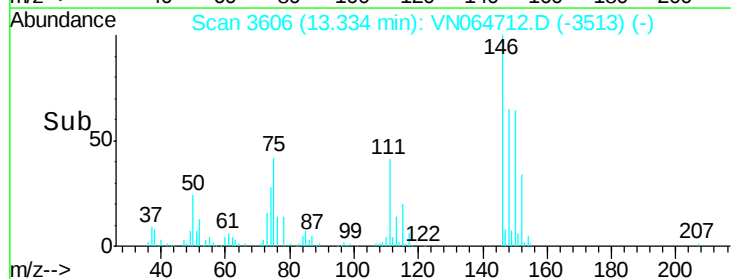
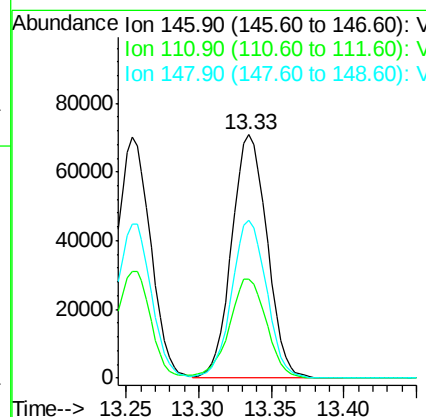
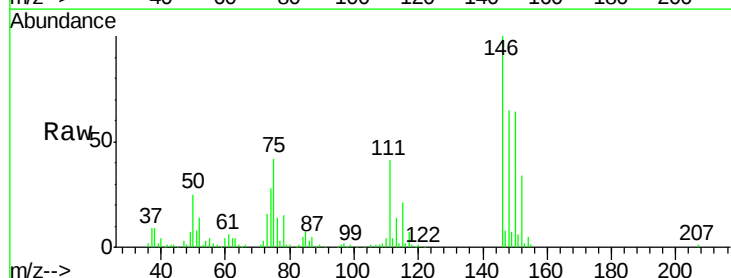
Manual Integrations  
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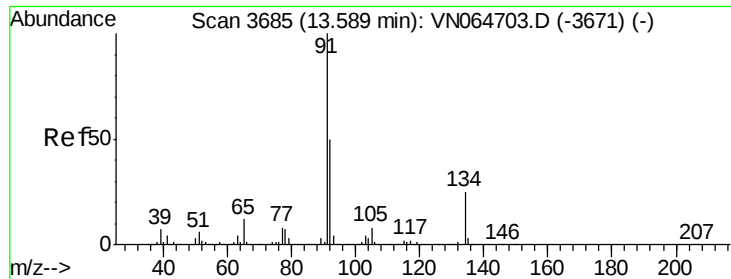
MMDadoda  
 11/19/2020 2:10:53 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 18.678 ug/l  
 RT: 13.33 min Scan# 3606  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 146     | 100   |      |       |       |
| 111     | 42.2  | 22.3 | 66.8  |       |
| 148     | 63.9  | 31.6 | 94.7  |       |





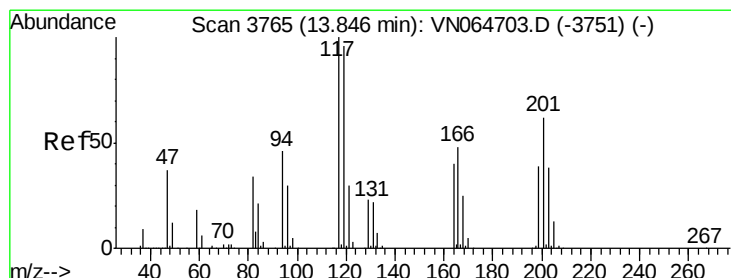
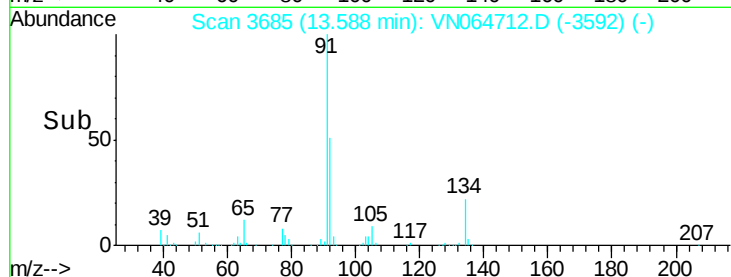
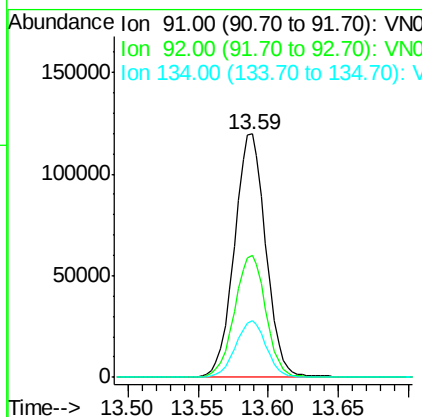
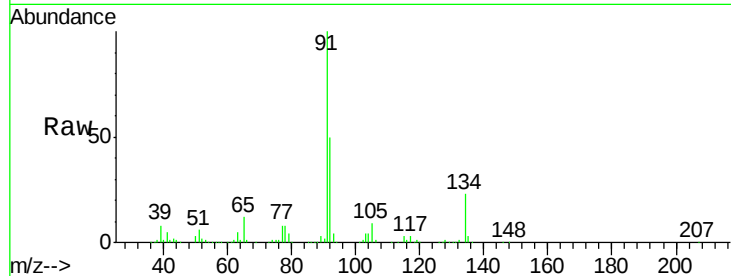
#89  
n-Butylbenzene  
Concen: 18.650 ug/l  
RT: 13.59 min Scan# 3685  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 49.9  | 24.9  | 74.8  |
| 134     | 22.8  | 12.0  | 36.0  |

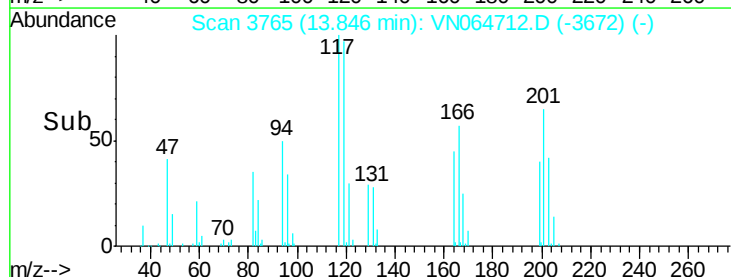
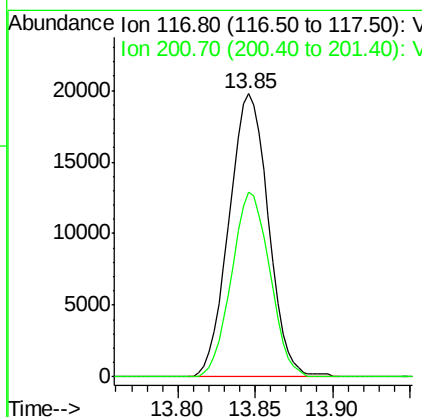
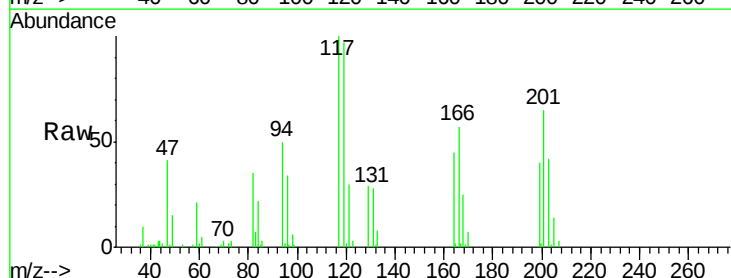
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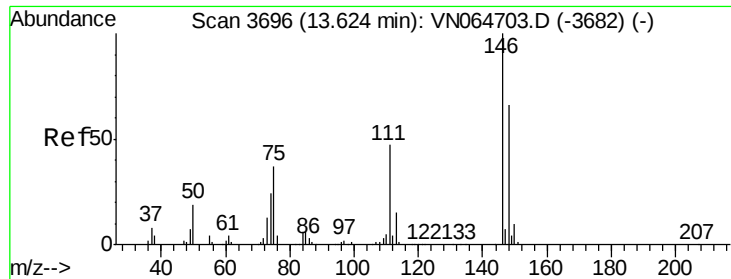
MMDadoda  
11/19/2020 2:10:53 PM



#90  
Hexachloroethane  
Concen: 19.657 ug/l  
RT: 13.85 min Scan# 3765  
Delta R.T. -0.00 min  
Lab File: VN064712.D  
Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 63.4  | 31.9  | 95.5  |





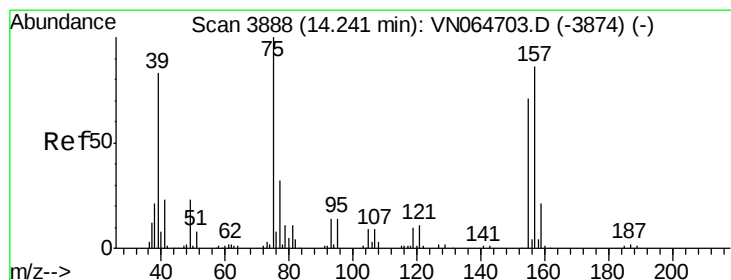
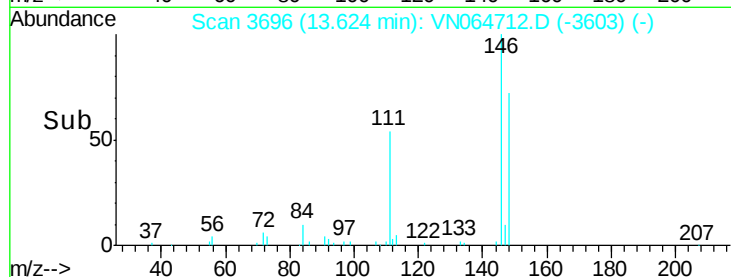
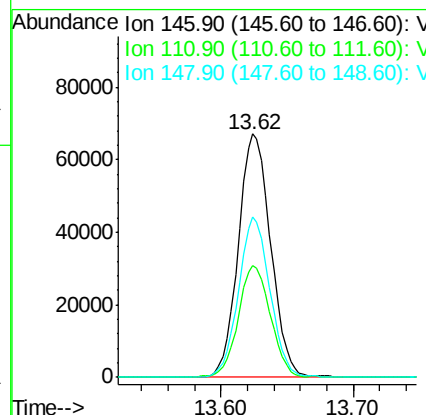
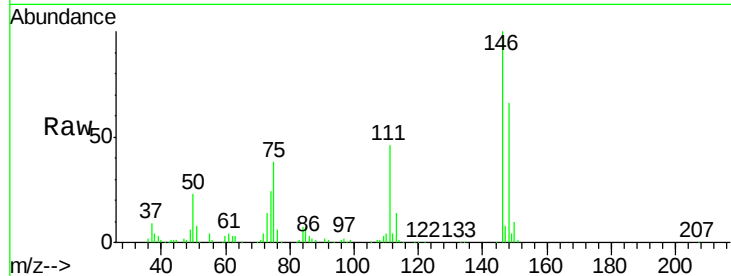
#91  
 1,2-Dichlorobenzene  
 Concen: 18.604 ug/l  
 RT: 13.62 min Scan# 3696  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.4  | 23.1  | 69.3  |
| 148     | 64.0  | 32.2  | 96.6  |

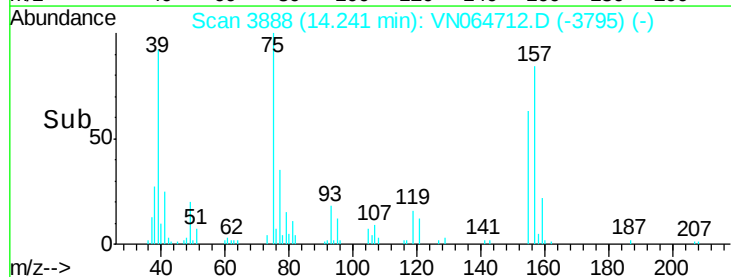
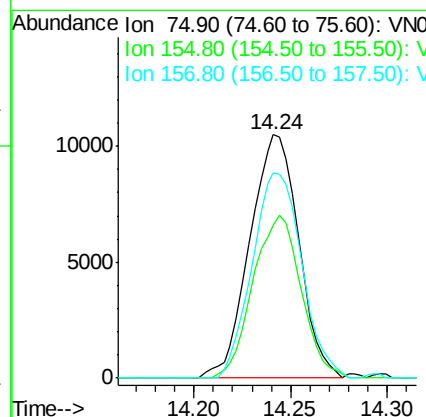
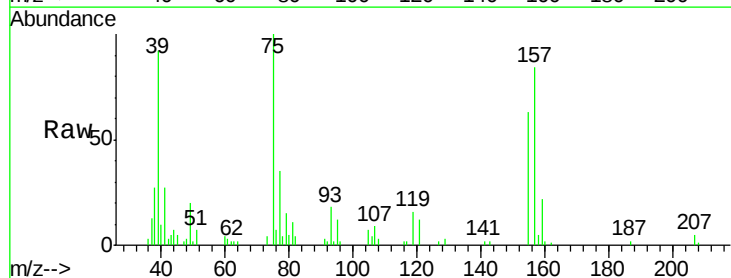
Manual Integrations  
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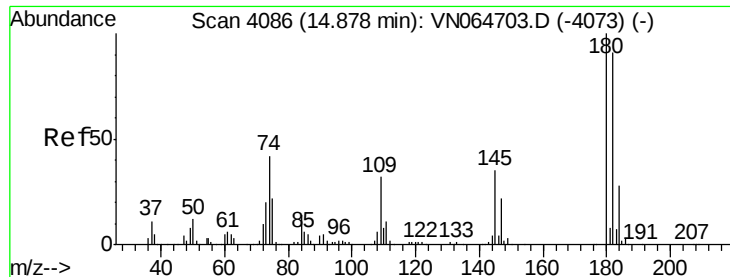
MMDadoda  
 11/19/2020 2:10:53 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.433 ug/l  
 RT: 14.24 min Scan# 3888  
 Delta R.T. -0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 65.9  | 33.6  | 100.6 |
| 157     | 85.6  | 42.4  | 127.2 |





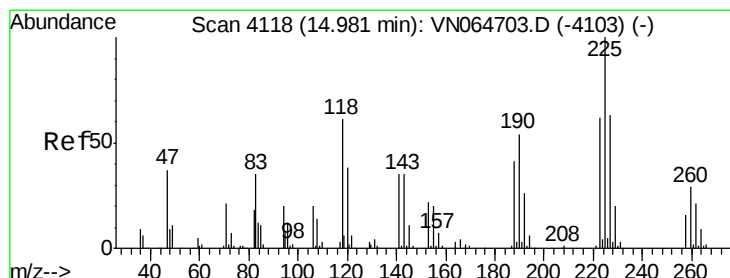
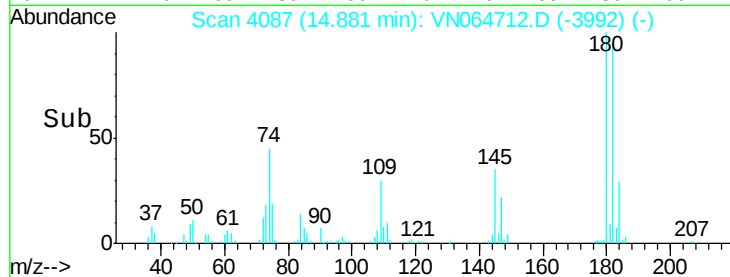
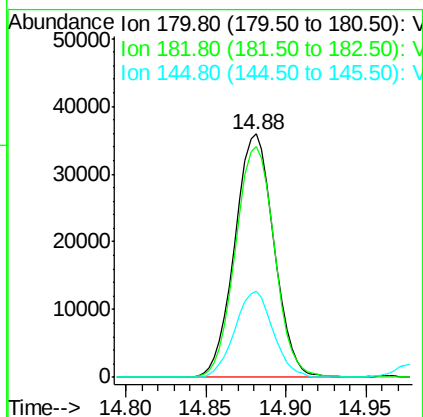
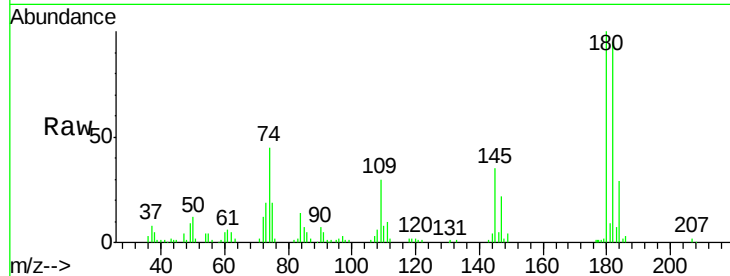
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.876 ug/l  
 RT: 14.88 min Scan# 4087  
 Delta R.T. 0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.5  | 47.3  | 141.8 |
| 145     | 34.3  | 17.5  | 52.5  |

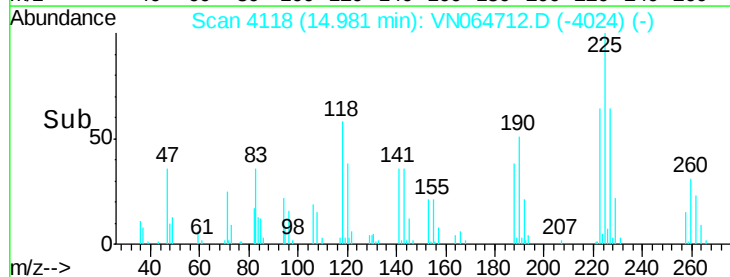
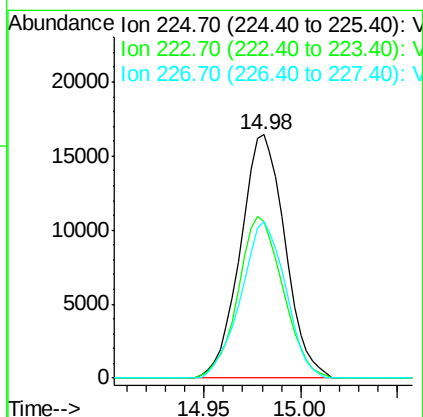
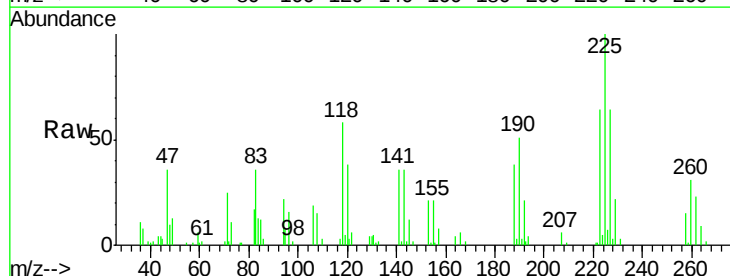
Manual Integrations  
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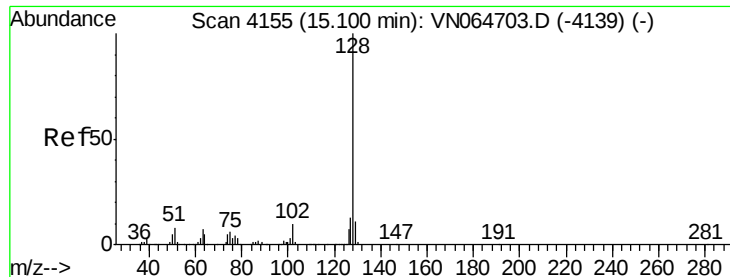
MMDadoda  
 11/19/2020 2:10:53 PM



#94  
 Hexachlorobutadiene  
 Concen: 19.115 ug/l  
 RT: 14.98 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN064712.D  
 Acq: 18 Nov 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 66.5  | 31.2  | 93.6  |
| 227     | 64.2  | 32.1  | 96.3  |





#95

Naphthalene

Concen: 17.855 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

Instrument :

MSVOA\_N

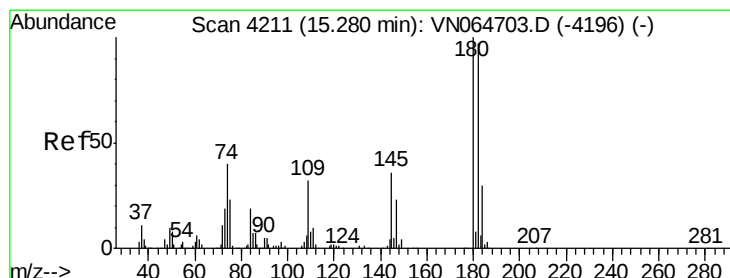
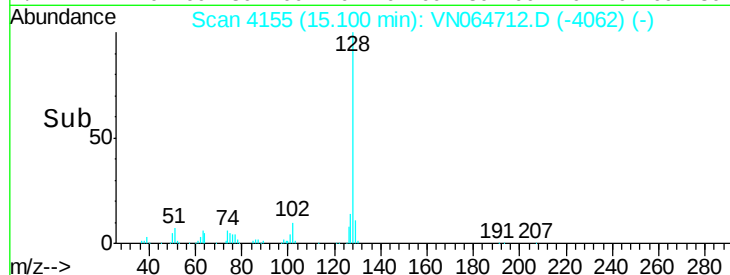
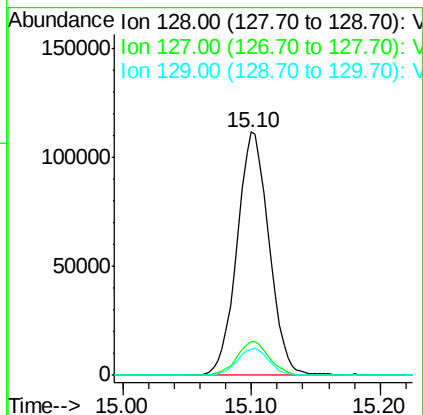
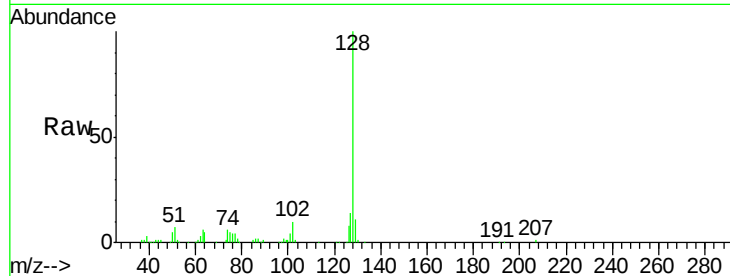
ClientSampleId :

VN1118MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 192733 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 14.0  | 10.8  | 16.2   |
| 129       | 10.9  | 8.9   | 13.3   |

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#96

1,2,3-Trichlorobenzene

Concen: 18.596 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN064712.D

Acq: 18 Nov 2020 17:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 57874 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.2  | 47.5  | 142.5 |
| 145       | 34.8  | 18.1  | 54.1  |

