

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011420\  
 Data File : VN059698.D  
 Acq On : 14 Jan 2020 10:56  
 Operator : JC/MD  
 Sample : VN0114WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0114WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 1/15/2020 10:55:10 AM

Quant Time: Jan 14 22:51:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 14 08:58:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 204430   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 317174   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 283827   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 134446   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 122670   | 54.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.06% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 105130   | 55.58 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 111.16% |      |
| 50) Toluene-d8            | 10.08  | 98  | 403587   | 55.07 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.14% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 140600   | 53.22 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.44% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 51369  | 21.010  | ug/l   | 100    |
| 3) Chloromethane              | 2.04 | 50  | 48503  | 20.724  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 60574  | 22.620  | ug/l   | 99     |
| 5) Bromomethane               | 2.54 | 94  | 36048  | 22.058  | ug/l   | 98     |
| 6) Chloroethane               | 2.68 | 64  | 26944  | 21.267  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 68258  | 21.225  | ug/l   | 97     |
| 8) Diethyl Ether              | 3.38 | 74  | 24112  | 21.364  | ug/l   | 85     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 38670  | 21.604  | ug/l   | 93     |
| 10) Methyl Iodide             | 3.93 | 142 | 58776  | 20.315  | ug/l   | 95     |
| 11) Tert butyl alcohol        | 4.72 | 59  | 41077  | 107.480 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 38978  | 20.840  | ug/l   | 87     |
| 13) Acrolein                  | 3.58 | 56  | 24887  | 91.990  | ug/l   | 97     |
| 14) Allyl chloride            | 4.29 | 41  | 53070  | 21.051  | ug/l # | 83     |
| 15) Acrylonitrile             | 4.94 | 53  | 92154  | 105.706 | ug/l   | 100    |
| 16) Acetone                   | 3.78 | 43  | 84524  | 103.285 | ug/l   | 97     |
| 17) Carbon Disulfide          | 4.03 | 76  | 108871 | 20.434  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.29 | 43  | 56808  | 21.422  | ug/l   | 93     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 129039 | 21.161  | ug/l   | 96     |
| 20) Methylene Chloride        | 4.52 | 84  | 43269  | 20.297  | ug/l # | 87     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 41205  | 20.726  | ug/l   | 89     |
| 22) Diisopropyl ether         | 5.92 | 45  | 119756 | 20.962  | ug/l # | 93     |
| 23) Vinyl Acetate             | 5.86 | 43  | 465463 | 105.231 | ug/l # | 95     |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 73347  | 21.012  | ug/l   | 98     |
| 25) 2-Butanone                | 6.80 | 43  | 132066 | 102.725 | ug/l   | 93     |
| 26) 2,2-Dichloropropane       | 6.79 | 77  | 70233  | 20.928  | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 48209  | 21.082  | ug/l   | 88     |
| 28) Bromochloromethane        | 7.17 | 49  | 30905  | 22.151  | ug/l # | 76     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 83434  | 104.890 | ug/l   | 89     |
| 30) Chloroform                | 7.35 | 83  | 76208  | 21.070  | ug/l   | 100    |
| 31) Cyclohexane               | 7.63 | 56  | 68412  | 20.367  | ug/l   | 92     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 70240  | 21.004  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 56479  | 20.448  | ug/l   | 95     |
| 37) Ethyl Acetate             | 6.90 | 43  | 52890  | 20.416  | ug/l   | 96     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 61922  | 20.609  | ug/l   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011420\  
 Data File : VN059698.D  
 Acq On : 14 Jan 2020 10:56  
 Operator : JC/MD  
 Sample : VN0114WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0114WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 1/15/2020 10:55:10 AM

Quant Time: Jan 14 22:51:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 14 08:58:21 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 70237    | 20.623  | ug/l   | 93       |
| 40) Benzene                    | 8.02  | 78   | 170728   | 20.726  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.15  | 41   | 23684m   | 18.561  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 58835    | 21.066  | ug/l   | 95       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 92496    | 20.758  | ug/l   | 97       |
| 44) Trichloroethene            | 8.82  | 130  | 48058    | 21.371  | ug/l   | 90       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 43126    | 21.157  | ug/l   | 99       |
| 46) Dibromomethane             | 9.19  | 93   | 30700    | 21.351  | ug/l   | 91       |
| 47) Bromodichloromethane       | 9.39  | 83   | 61206    | 21.123  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.18  | 41   | 41246    | 20.694  | ug/l   | 91       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 16544    | 453.425 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 270117   | 104.866 | ug/l   | 96       |
| 52) Toluene                    | 10.14 | 92   | 109782   | 21.099  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 66793    | 20.645  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 72414    | 21.272  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 42953    | 20.843  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 65840    | 20.909  | ug/l   | 92       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 70041    | 21.408  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 110863   | 116.890 | ug/l   | 91       |
| 59) 2-Hexanone                 | 10.74 | 43   | 201331   | 106.097 | ug/l   | 94       |
| 60) Dibromochloromethane       | 10.89 | 129  | 49225    | 20.976  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 45936    | 21.267  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.62 | 164  | 45259    | 19.565  | ug/l   | 94       |
| 65) Chlorobenzene              | 11.43 | 112  | 117165   | 21.002  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 45472    | 21.095  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.50 | 91   | 211378   | 20.872  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.61 | 106  | 160274   | 41.897  | ug/l   | 94       |
| 69) o-Xylene                   | 11.94 | 106  | 78034    | 20.836  | ug/l   | 95       |
| 70) Styrene                    | 11.96 | 104  | 129983   | 20.741  | ug/l   | 97       |
| 71) Bromoform                  | 12.12 | 173  | 36256    | 20.998  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.24 | 105  | 210012   | 21.299  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.06 | 43   | 79076    | 20.668  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 61532    | 21.526  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 58503m   | 25.857  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 52918    | 21.193  | ug/l   | 82       |
| 78) n-propylbenzene            | 12.59 | 91   | 231220   | 20.893  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 136380   | 20.714  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 177566   | 21.413  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 21623    | 20.523  | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 138730   | 21.008  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 153187   | 21.359  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.03 | 105  | 173440   | 21.141  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 196904   | 20.897  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 182571   | 20.940  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 90453    | 20.854  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 91564    | 21.161  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.61 | 91   | 155306   | 20.891  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.87 | 117  | 33185    | 20.343  | ug/l   | 85       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 90634    | 21.137  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 13881    | 21.431  | ug/l   | 88       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011420\  
 Data File : VN059698.D  
 Acq On : 14 Jan 2020 10:56  
 Operator : JC/MD  
 Sample : VN0114WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0114WBS01

Manual Integrations  
 APPROVED

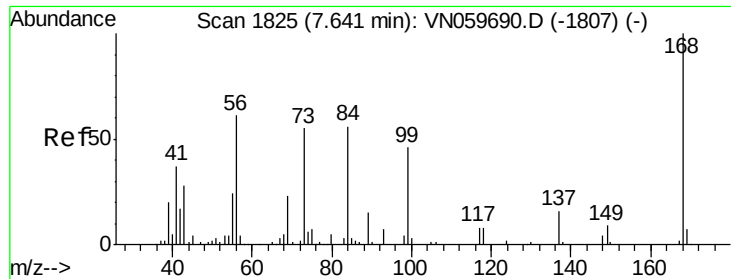
MMDadoda  
 1/15/2020 10:55:10 AM

Quant Time: Jan 14 22:51:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 14 08:58:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 55019    | 21.354 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 29949    | 21.093 | ug/l  | 97       |
| 95) Naphthalene            | 15.13 | 128  | 151655   | 20.693 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 52321    | 20.862 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0114WBS01

Tot Ion:168 Resp: 204430

Ion Ratio Lower Upper

168 100

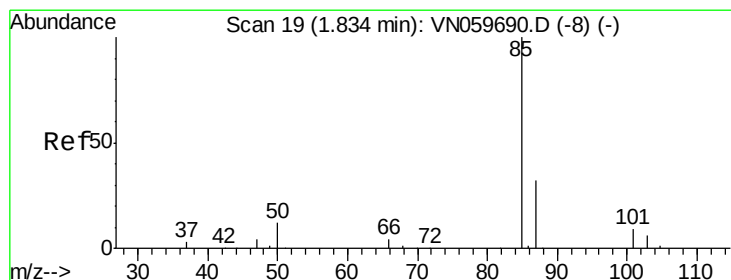
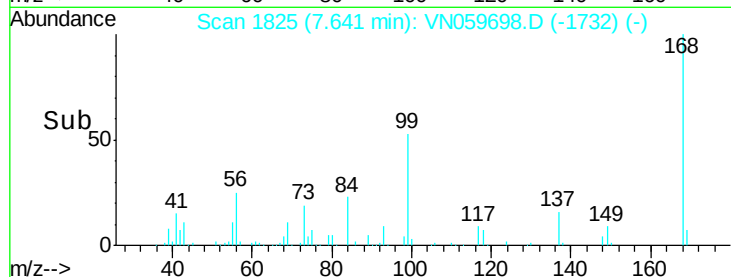
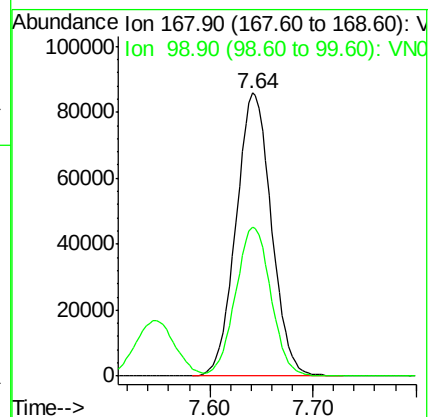
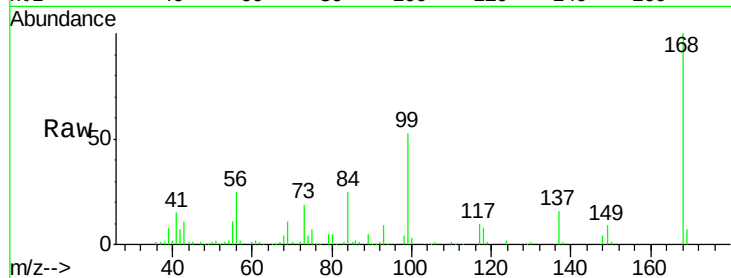
99 52.6 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

1/15/2020 10:55:10 AM



#2

Dichlorodifluoromethane

Concen: 21.010 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059698.D

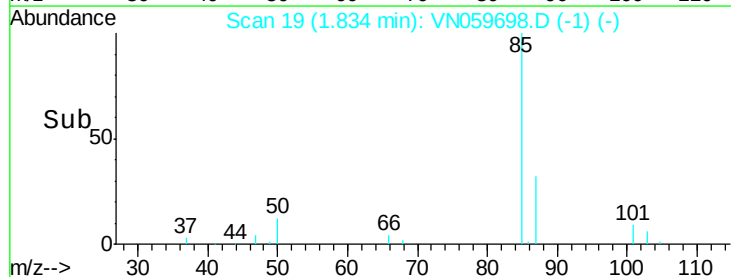
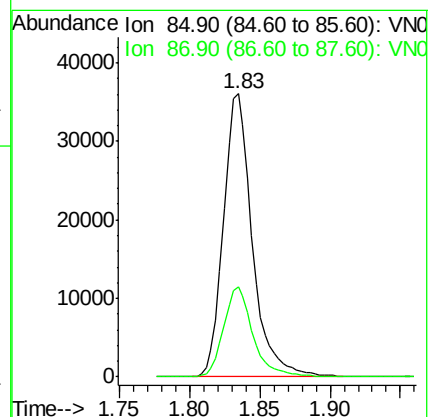
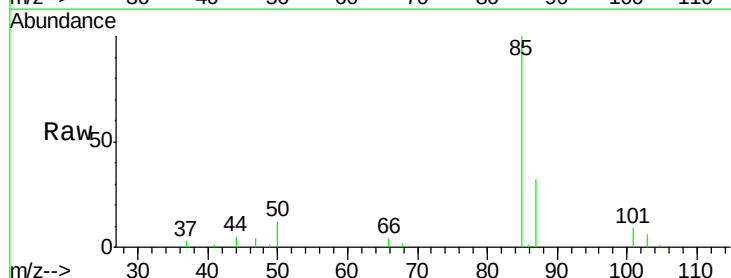
Acq: 14 Jan 2020 10:56

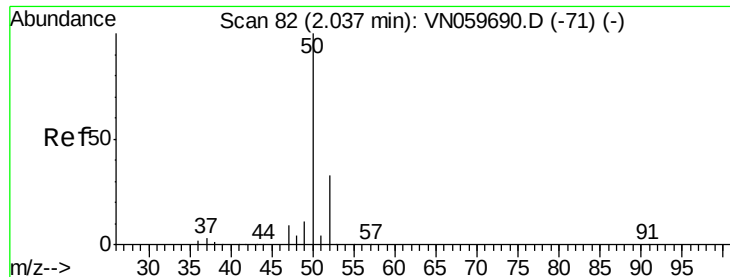
Tgt Ion: 85 Resp: 51369

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.7





#3

Chloromethane

Concen: 20.724 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0114WBS01

Tot Ion: 50 Resp: 48503

Ion Ratio Lower Upper

50 100

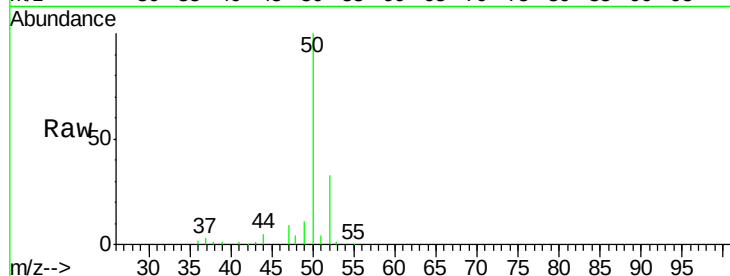
52 32.8 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

1/15/2020 10:55:10 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

40000

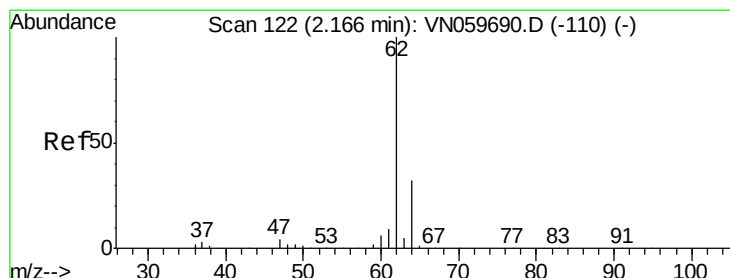
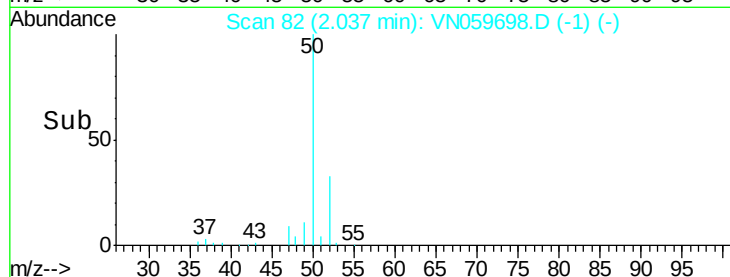
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 22.620 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059698.D

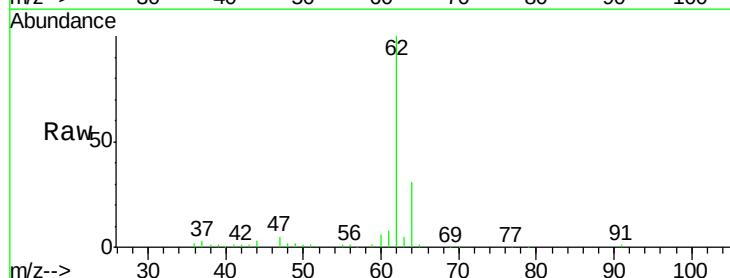
Acq: 14 Jan 2020 10:56

Tgt Ion: 62 Resp: 60574

Ion Ratio Lower Upper

62 100

64 31.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

40000

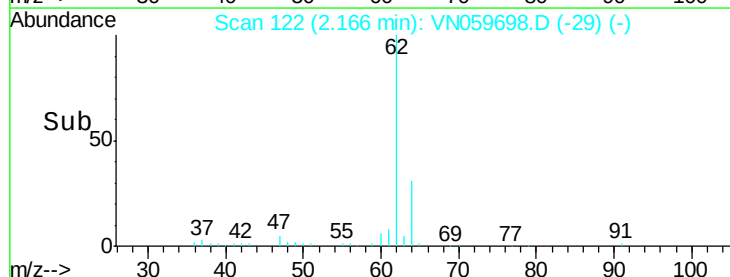
30000

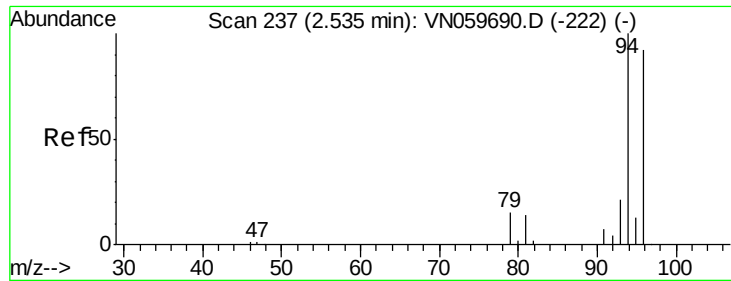
20000

10000

0

Time-->





#5

Bromomethane

Concen: 22.058 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0114WBS01

Tot Ion: 94 Resp: 36048

Ion Ratio Lower Upper

94 100

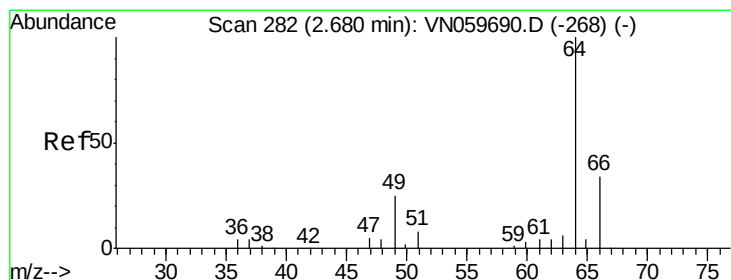
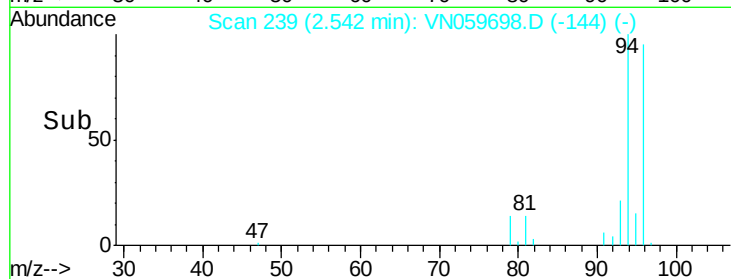
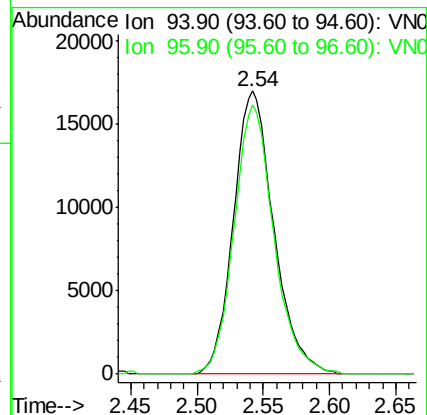
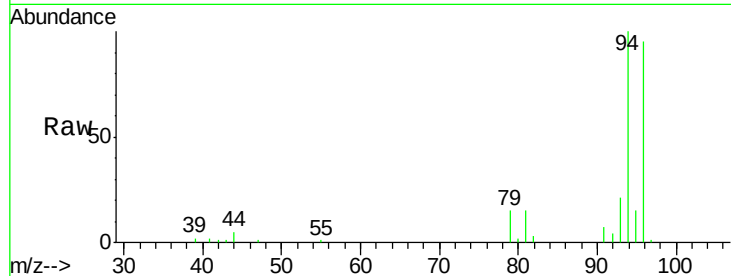
96 94.9 74.7 112.1

Manual Integrations

APPROVED

MMDadoda

1/15/2020 10:55:10 AM



#6

Chloroethane

Concen: 21.267 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059698.D

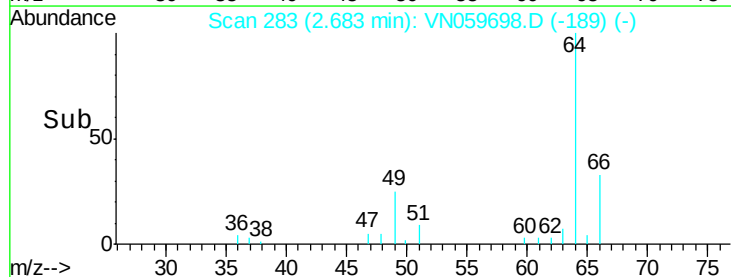
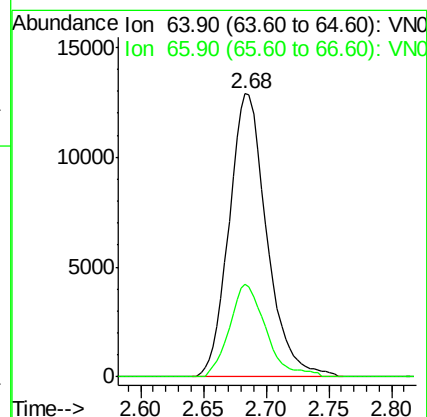
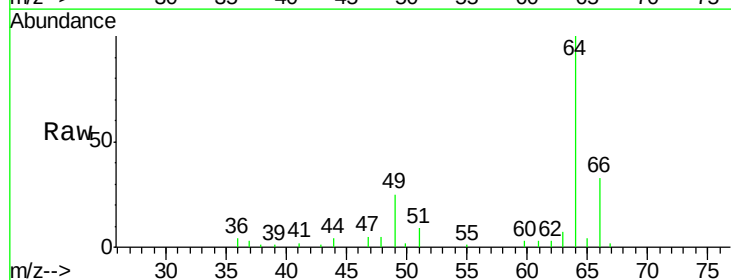
Acq: 14 Jan 2020 10:56

Tgt Ion: 64 Resp: 26944

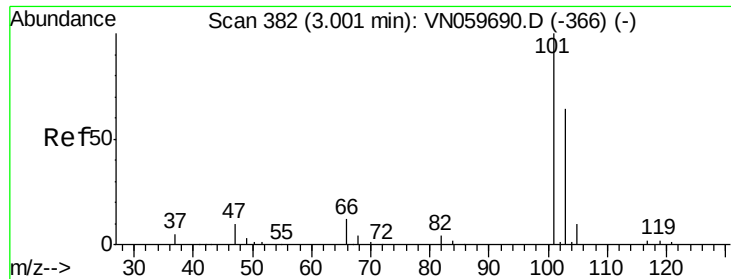
Ion Ratio Lower Upper

64 100

66 32.9 25.1 37.7







#7

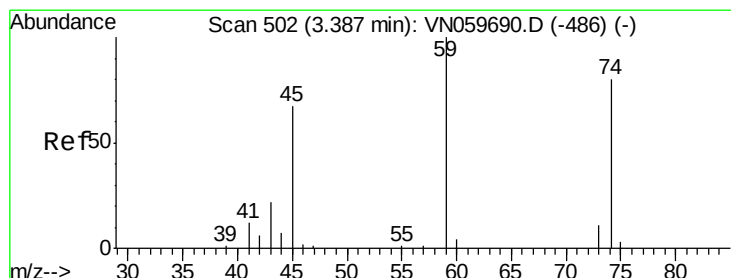
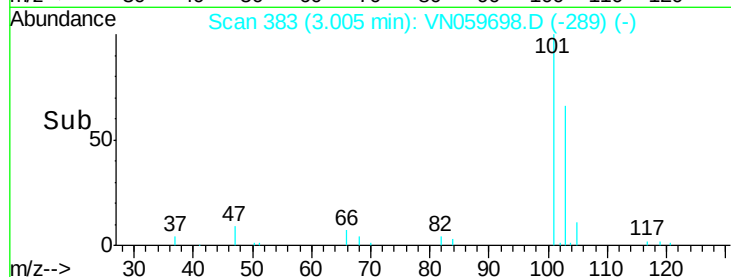
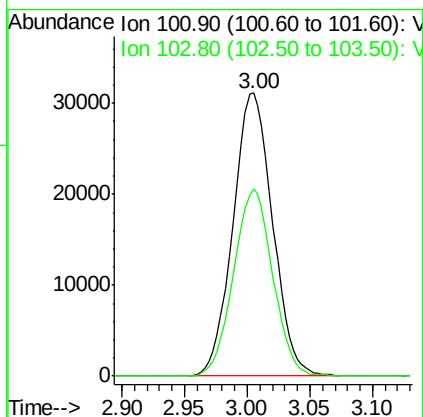
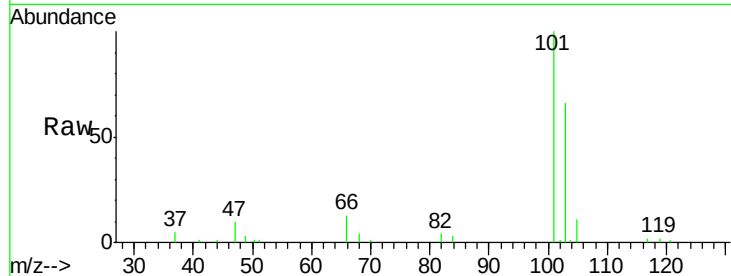
Trichlorofluoromethane  
Concen: 21.225 ug/l  
RT: 3.00 min Scan# 383  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

Tot Ion:101 Resp: 68258  
Ion Ratio Lower Upper  
101 100  
103 66.0 51.0 76.6

Manual Integrations  
APPROVED

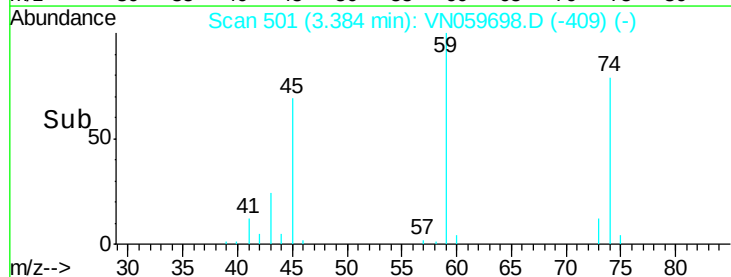
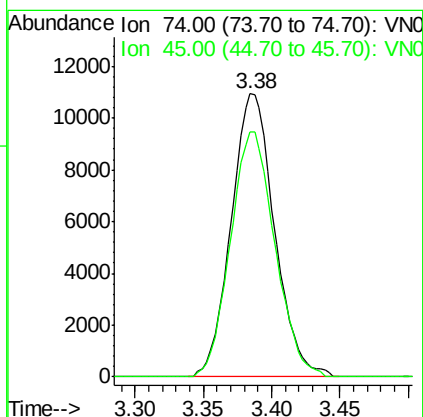
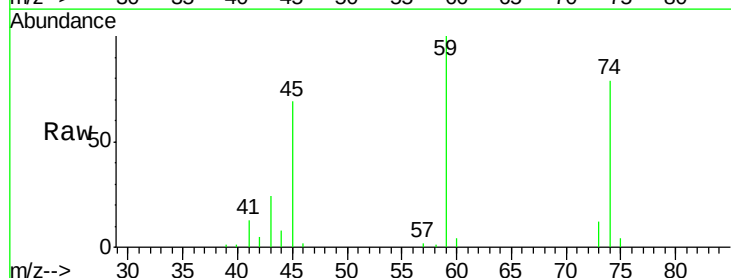
MMDadoda  
1/15/2020 10:55:10 AM



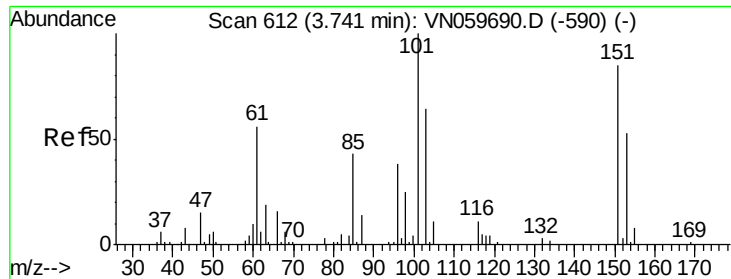
#8

Diethyl Ether  
Concen: 21.364 ug/l  
RT: 3.38 min Scan# 501  
Delta R.T. -0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Tgt Ion: 74 Resp: 24112  
Ion Ratio Lower Upper  
74 100  
45 88.8 51.9 155.8







#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.604 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

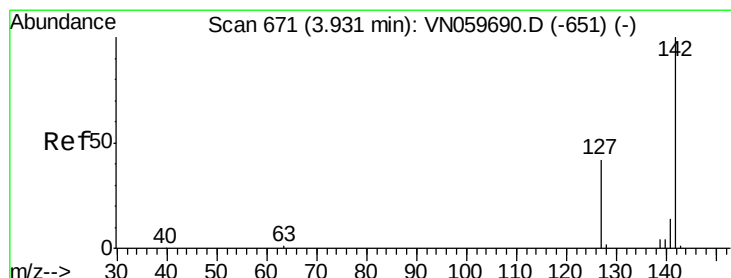
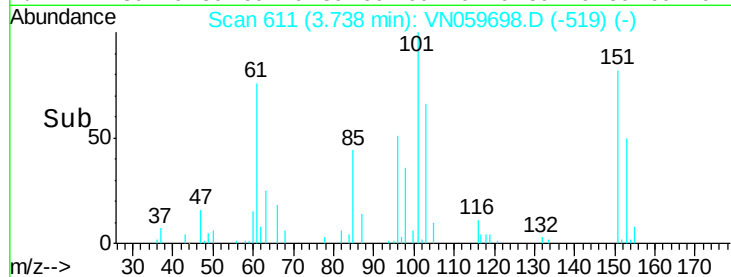
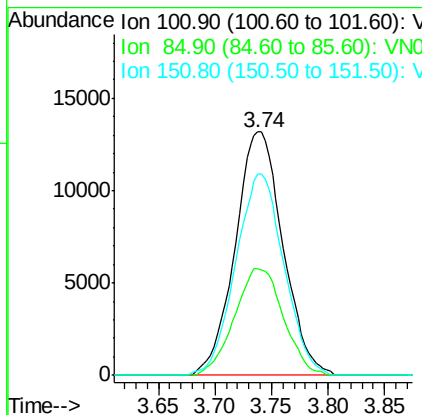
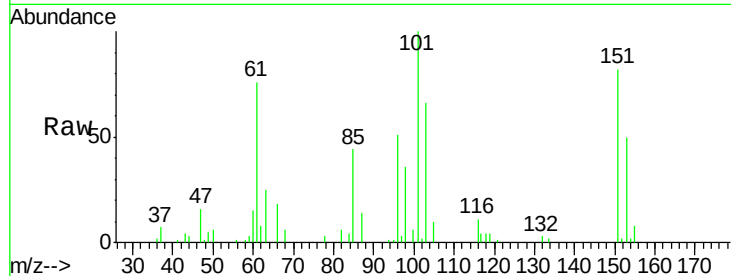
ClientSampleId :

VN0114WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 38670 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.9  | 36.6  | 54.8  |
| 151       | 83.5  | 59.7  | 89.5  |

Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM



#10

Methyl Iodide

Concen: 20.315 ug/l

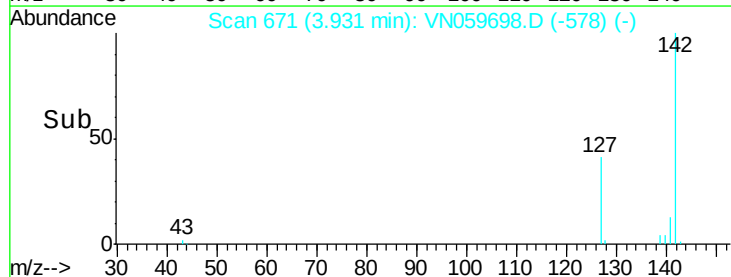
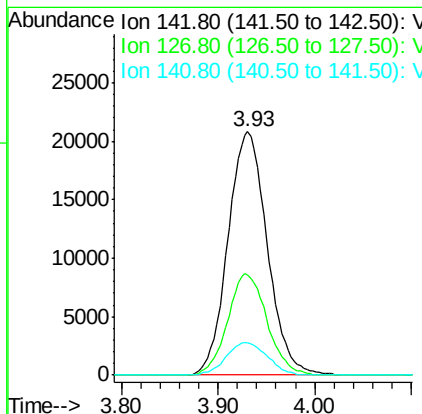
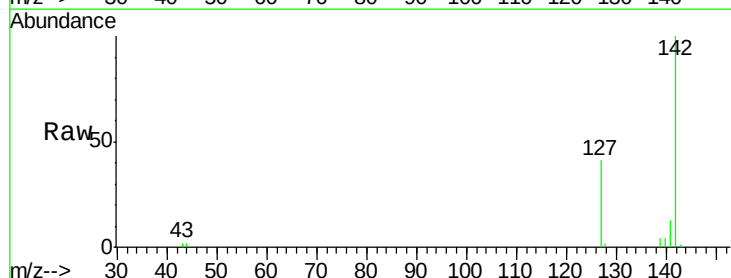
RT: 3.93 min Scan# 671

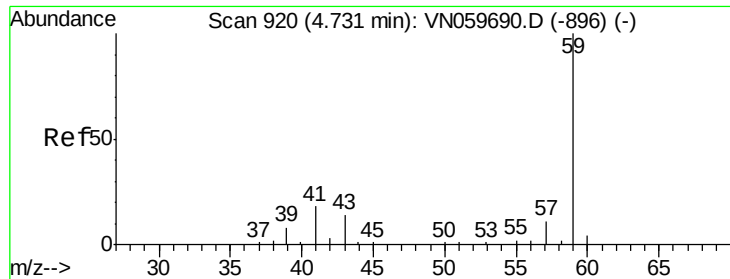
Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 58776 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.5  | 36.7  | 55.1  |
| 141       | 14.0  | 11.7  | 17.5  |





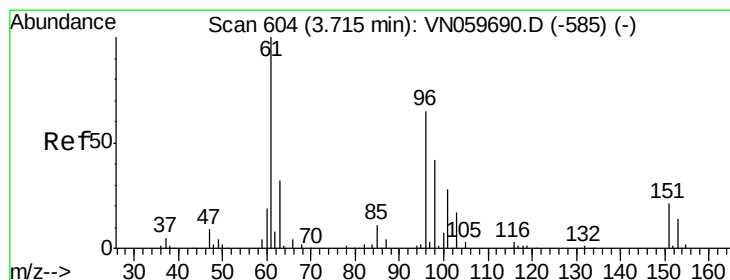
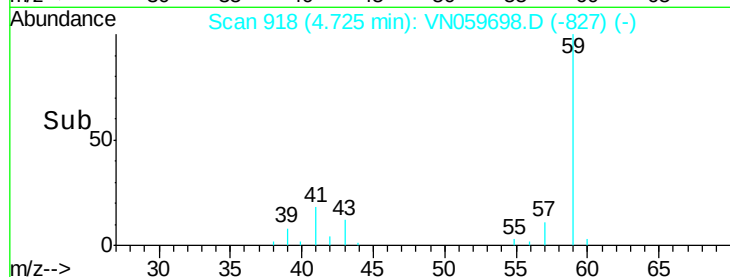
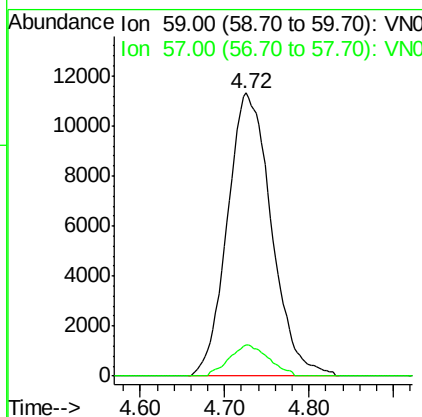
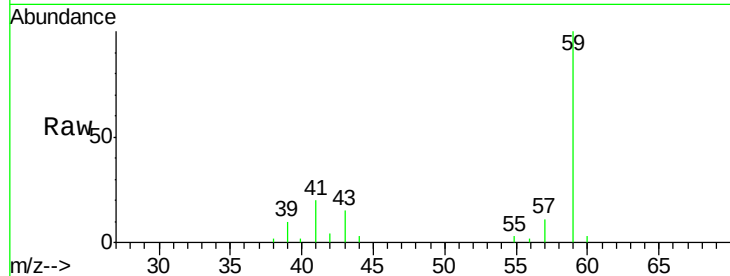
#11  
Tert butyl alcohol  
Concen: 107.480 ug/l  
RT: 4.72 min Scan# 918  
Delta R.T. -0.01 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0114WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.9   | 8.6   | 12.8  |

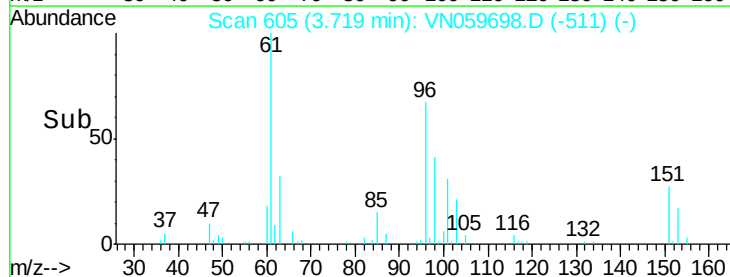
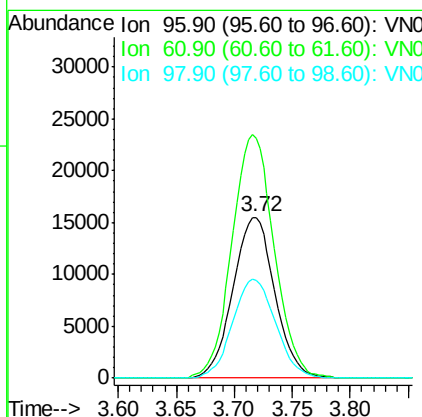
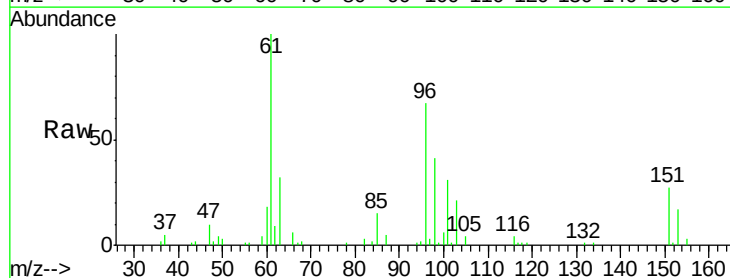
Manual Integrations  
APPROVED

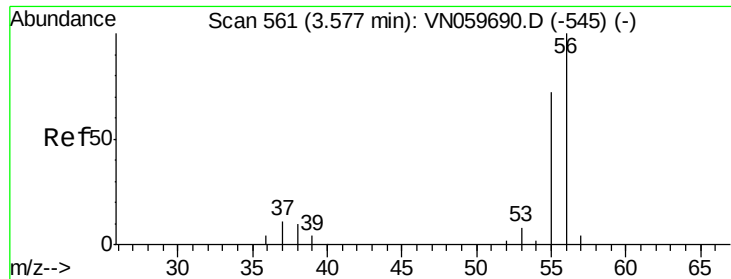
MMDadoda  
1/15/2020 10:55:10 AM



#12  
1,1-Dichloroethene  
Concen: 20.840 ug/l  
RT: 3.72 min Scan# 605  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 149.4 | 137.5 | 206.3 |
| 98      | 60.8  | 50.2  | 75.4  |





#13

Acrolein

Concen: 91.990 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

ClientSampled :

VN0114WBS01

Tot Ion: 56 Resp: 24887

Ion Ratio Lower Upper

56 100

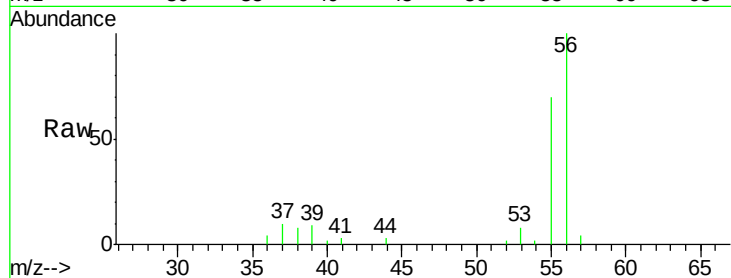
55 70.8 58.6 88.0

Manual Integrations

APPROVED

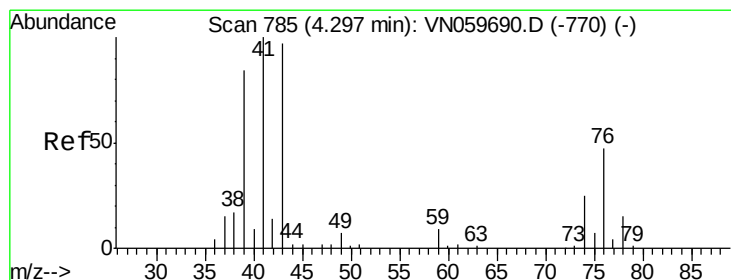
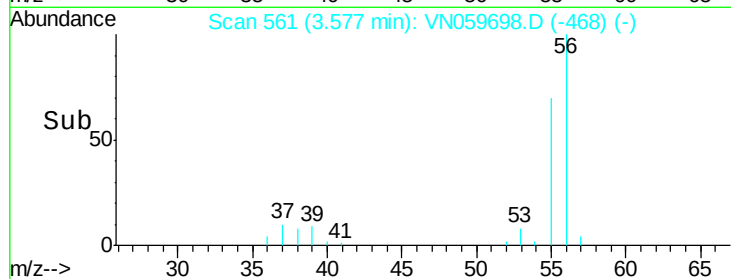
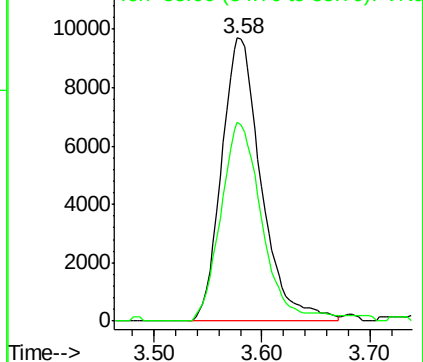
MMDadoda

1/15/2020 10:55:10 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.051 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

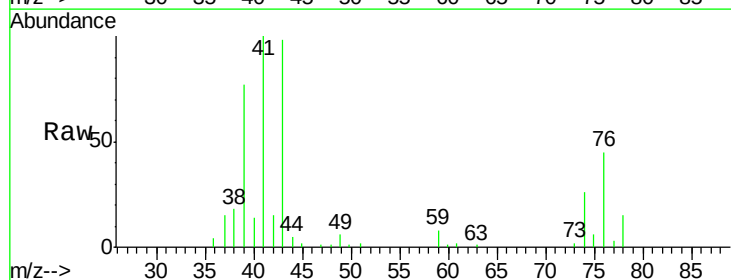
Tgt Ion: 41 Resp: 53070

Ion Ratio Lower Upper

41 100

39 83.4 57.8 86.8

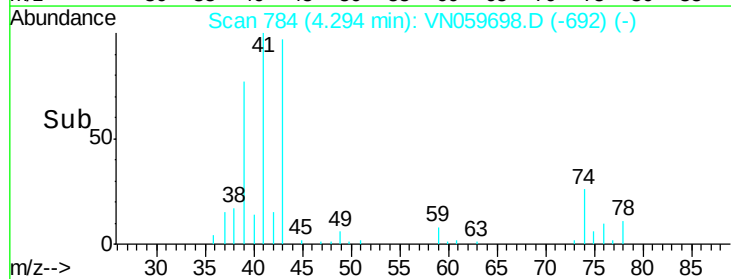
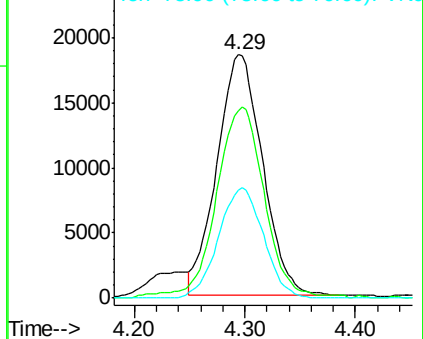
76 45.0 25.4 38.0#

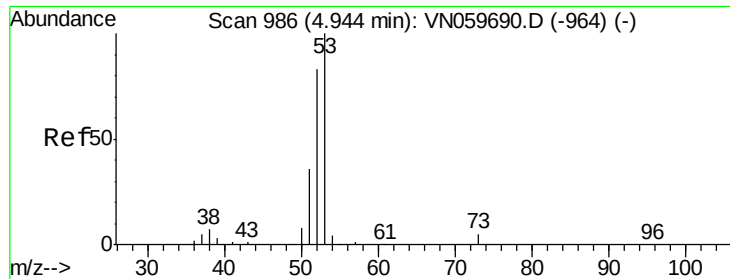


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.706 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

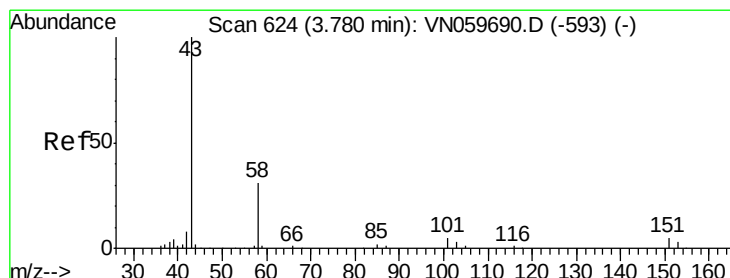
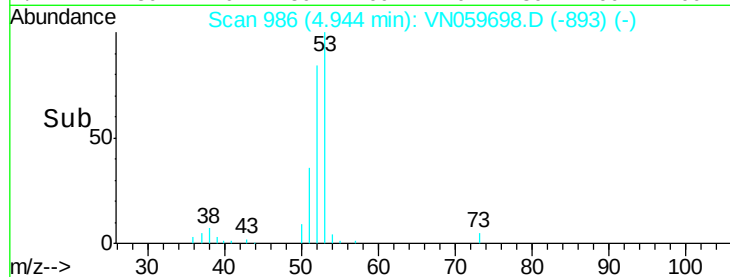
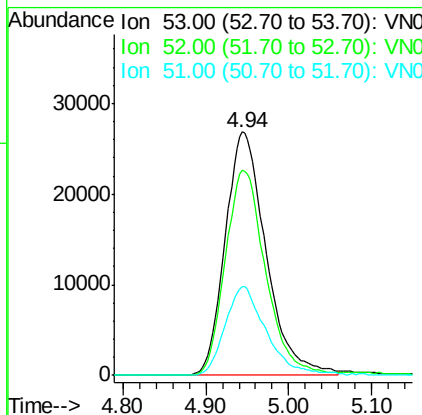
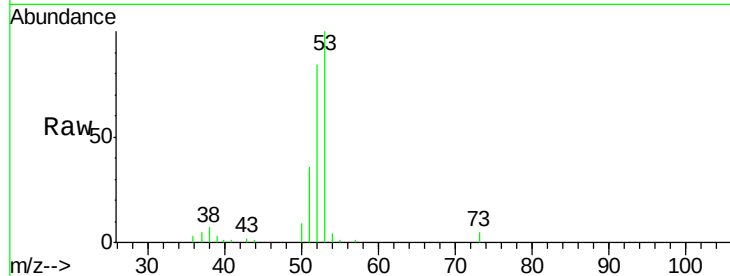
ClientSampleId :

VN0114WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 92154 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.9  | 66.3  | 99.5  |
| 51       | 36.8  | 29.7  | 44.5  |

Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM



#16

Acetone

Concen: 103.285 ug/l

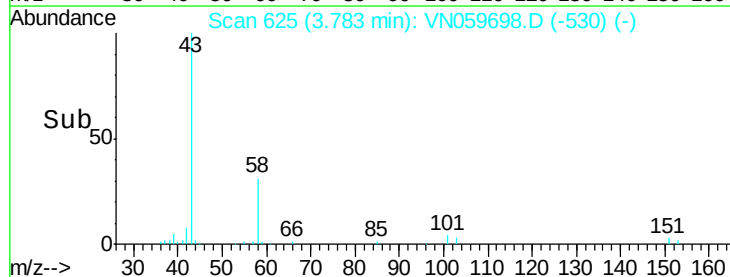
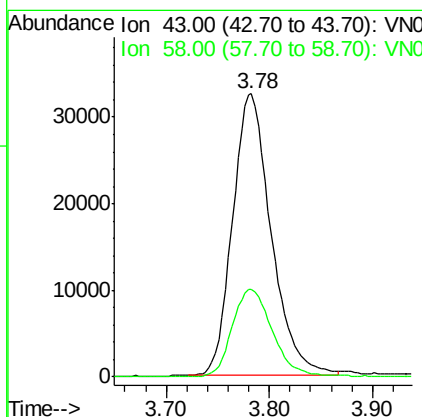
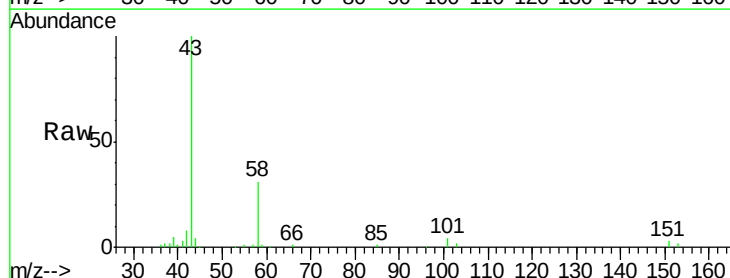
RT: 3.78 min Scan# 625

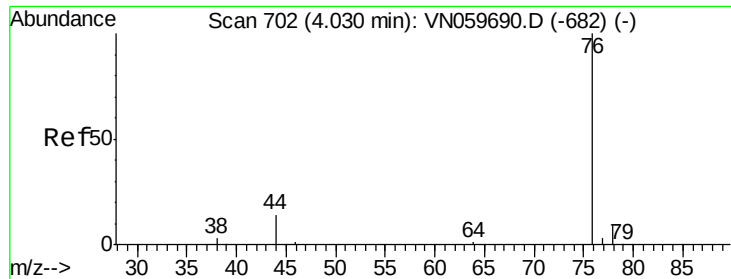
Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 84524 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 31.2  | 23.6  | 35.4  |





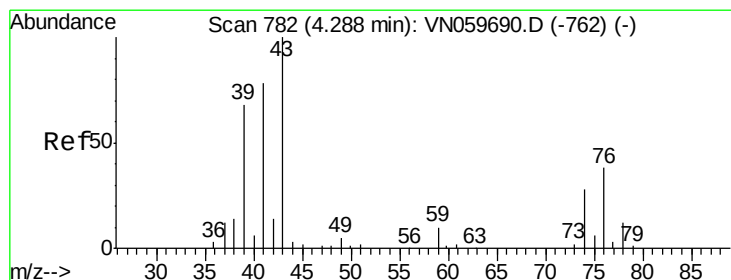
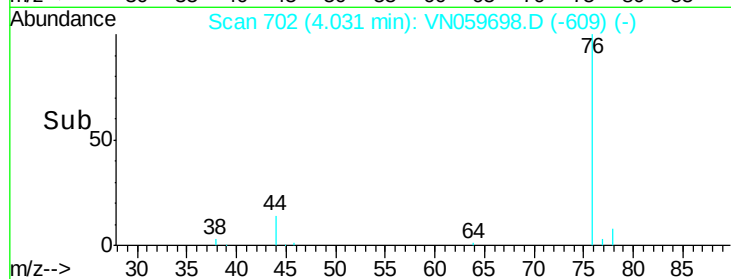
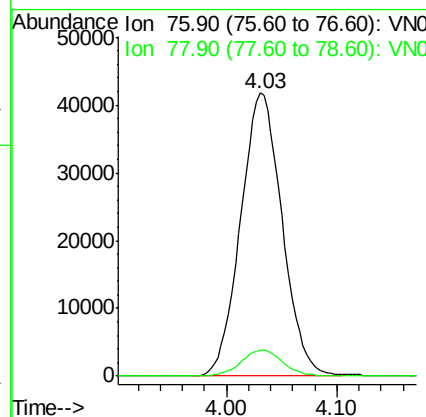
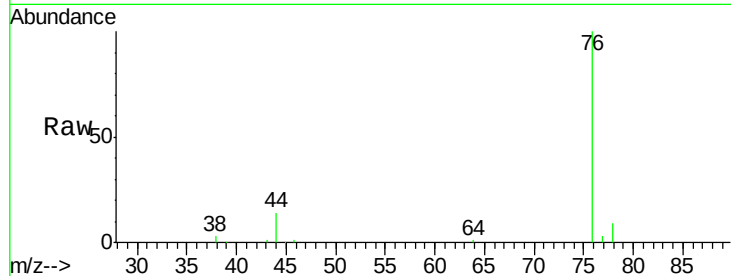
#17  
Carbon Disulfide  
Concen: 20.434 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

Tot Ion: 76 Resp: 108871  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.4 11.0

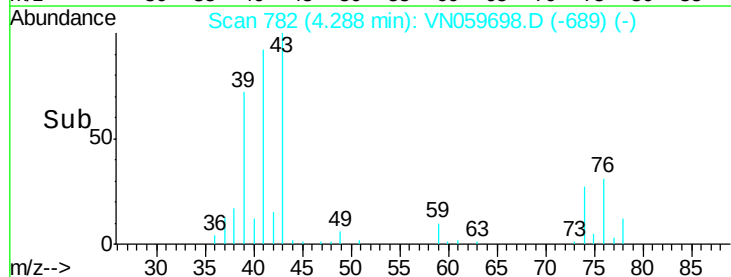
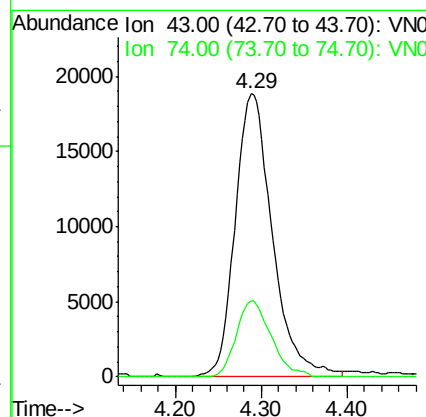
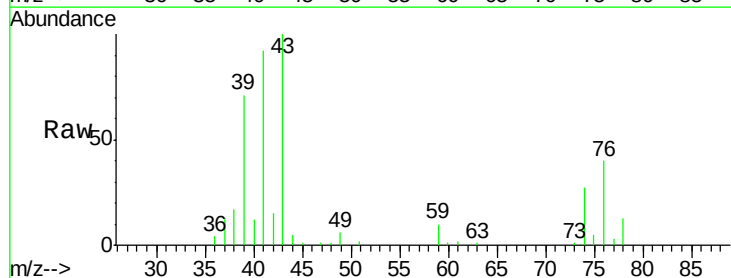
Manual Integrations  
APPROVED

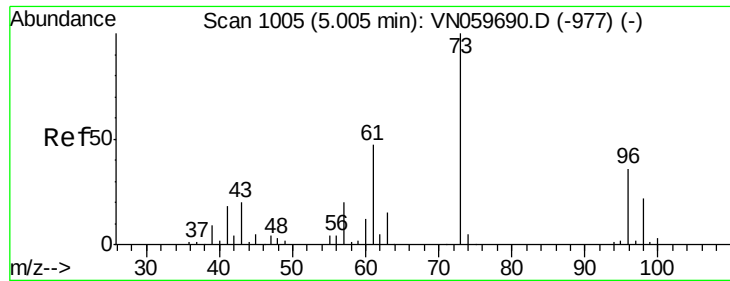
MMDadoda  
1/15/2020 10:55:10 AM



#18  
Methyl Acetate  
Concen: 21.422 ug/l  
RT: 4.29 min Scan# 782  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Tgt Ion: 43 Resp: 56808  
Ion Ratio Lower Upper  
43 100  
74 25.0 17.5 26.3





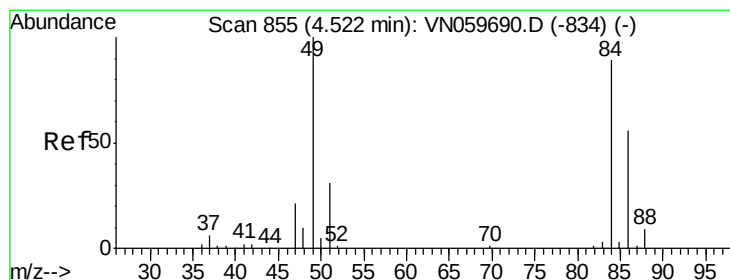
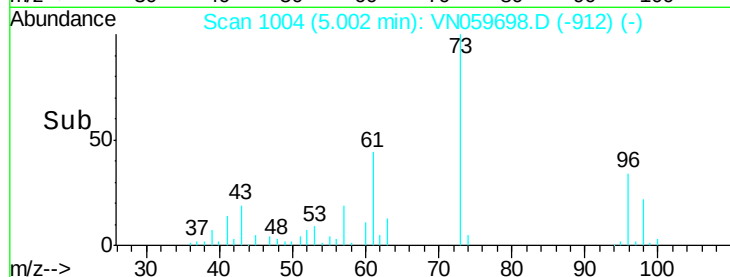
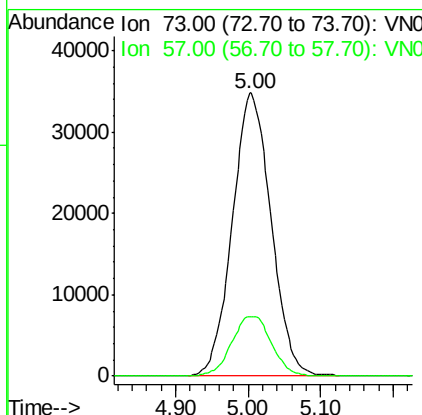
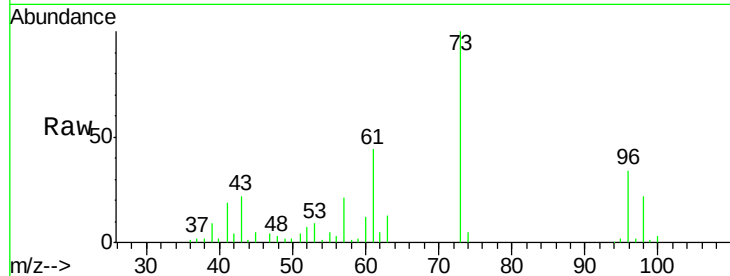
#19  
Methyl tert-butyl Ether  
Concen: 21.161 ug/l  
RT: 5.00 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0114WBS01

Tot Ion: 73 Resp: 129039  
Ion Ratio Lower Upper  
73 100  
57 21.1 18.6 27.8

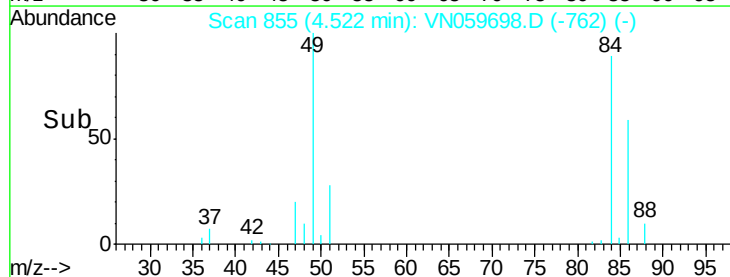
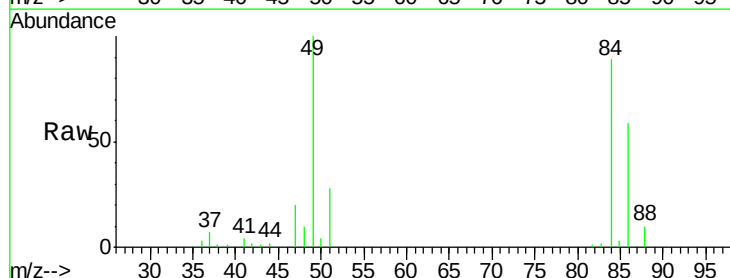
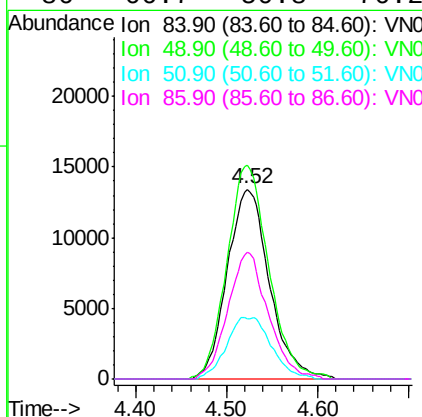
Manual Integrations  
APPROVED

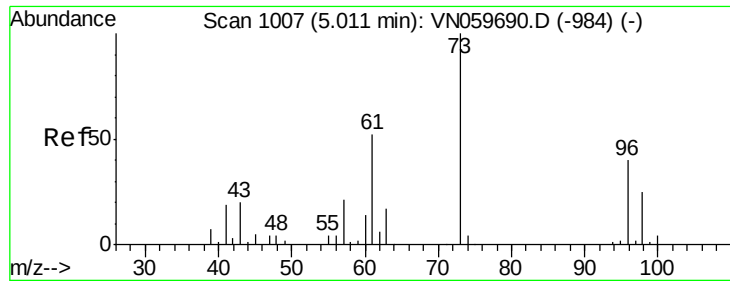
MMDadoda  
1/15/2020 10:55:10 AM



#20  
Methylene Chloride  
Concen: 20.297 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Tgt Ion: 84 Resp: 43269  
Ion Ratio Lower Upper  
84 100  
49 112.5 106.6 160.0  
51 31.9 31.9 47.9#  
86 66.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.726 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0114WBS01

Tot Ion: 96 Resp: 41205

Ion Ratio Lower Upper

96 100

61 130.6 120.4 180.6

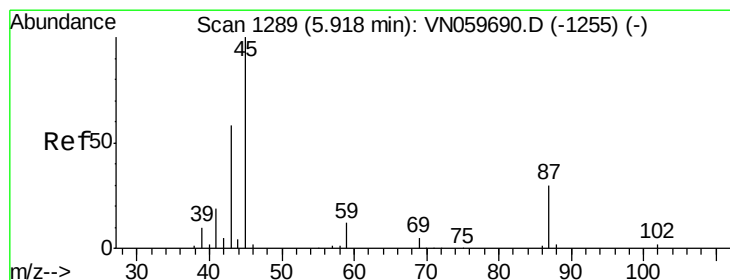
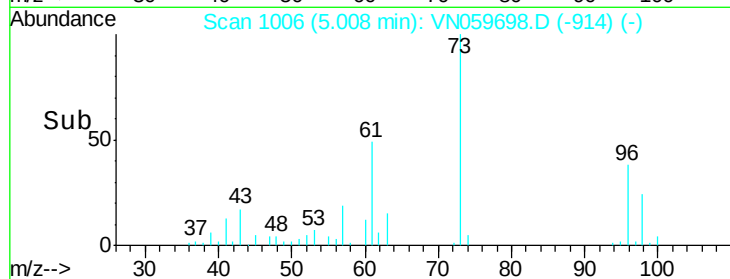
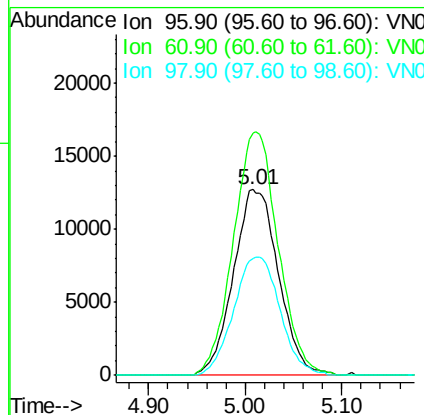
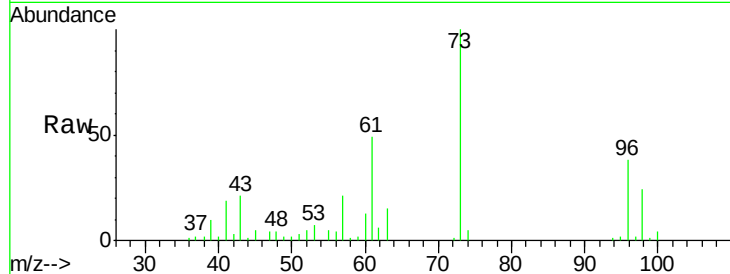
98 62.9 50.6 75.8

Manual Integrations

APPROVED

MMDadoda

1/15/2020 10:55:10 AM



#22

Diisopropyl ether

Concen: 20.962 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Tgt Ion: 45 Resp: 119756

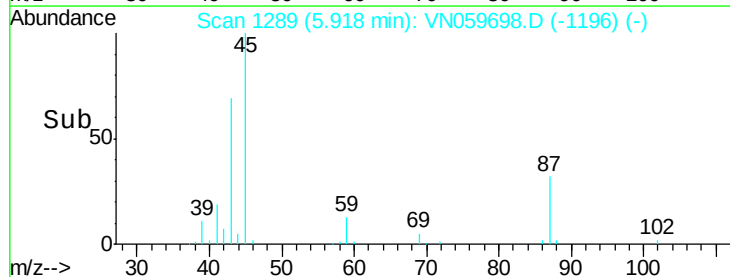
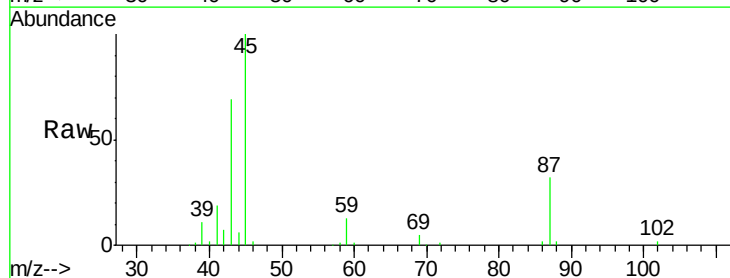
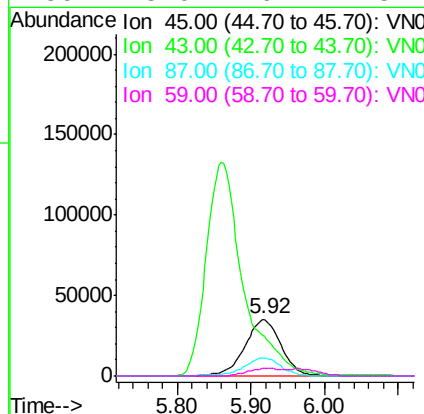
Ion Ratio Lower Upper

45 100

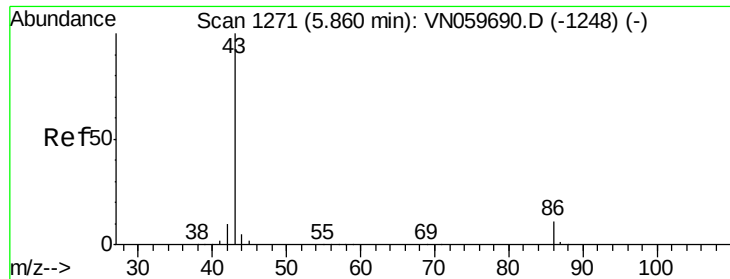
43 67.4 50.8 76.2

87 32.5 21.0 31.6#

59 13.0 9.1 13.7







#23

Vinyl Acetate

Concen: 105.231 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

ClientSampled :

VN0114WBS01

Tot Ion: 43 Resp: 465463

Ion Ratio Lower Upper

43 100

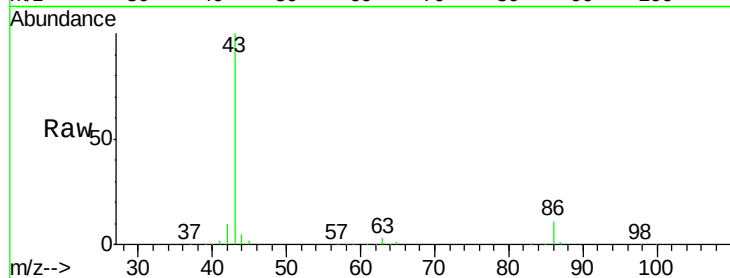
86 11.4 7.6 11.4#

Manual Integrations

APPROVED

MMDadoda

1/15/2020 10:55:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

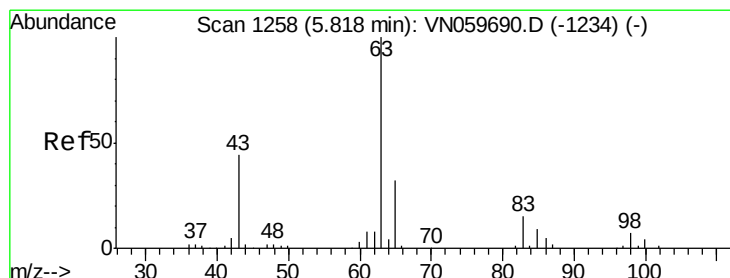
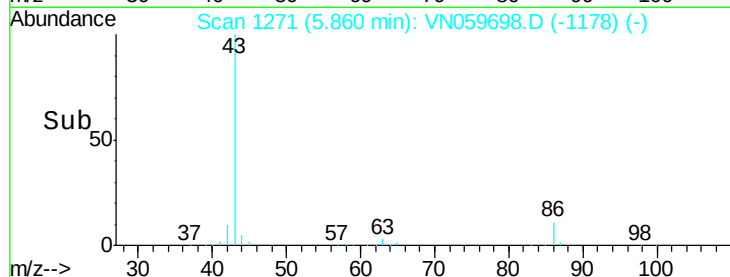
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.012 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

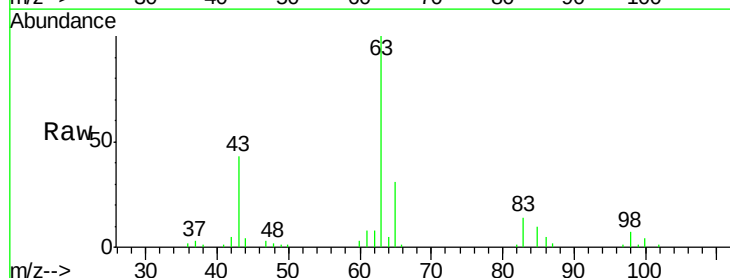
Tgt Ion: 63 Resp: 73347

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.7

100 4.1 2.0 6.0



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

30000

25000

20000

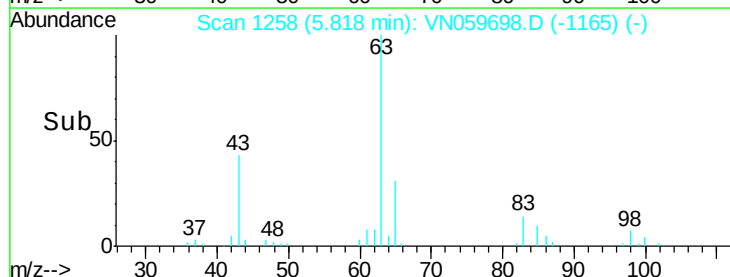
15000

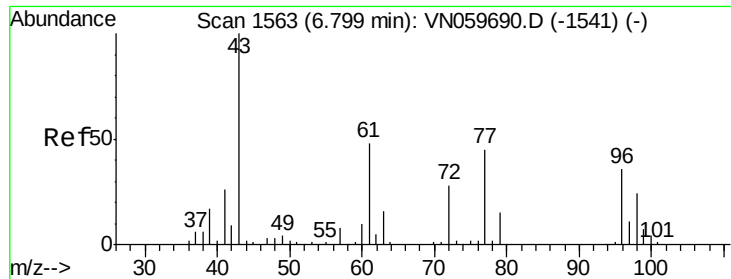
10000

5000

0

Time-->





#25

2-Butanone

Concen: 102.725 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

ClientSampled :

VN0114WBS01

Tot Ion: 43 Resp: 132066

Ion Ratio Lower Upper

43 100

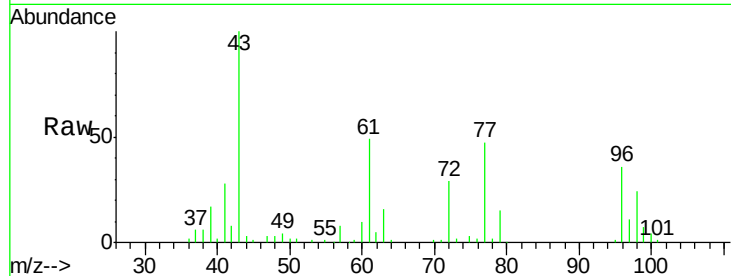
72 28.6 19.9 29.9

Manual Integrations

APPROVED

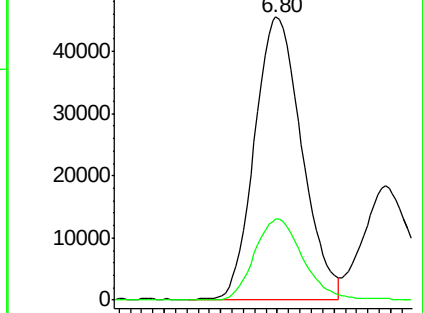
MMDadoda

1/15/2020 10:55:10 AM

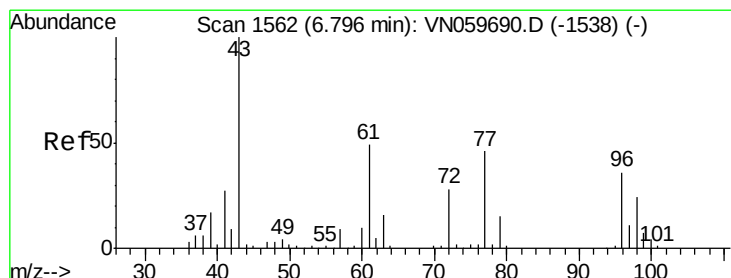
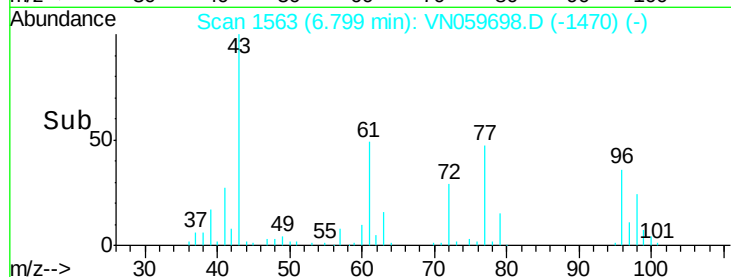


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 20.928 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059698.D

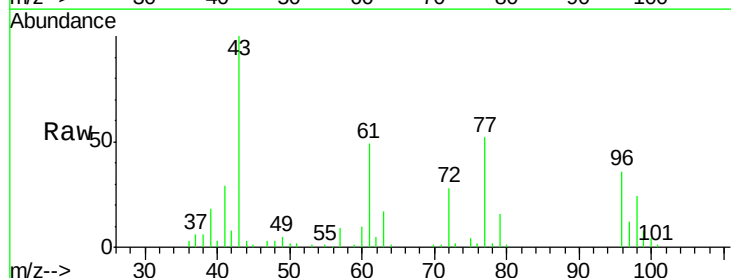
Acq: 14 Jan 2020 10:56

Tgt Ion: 77 Resp: 70233

Ion Ratio Lower Upper

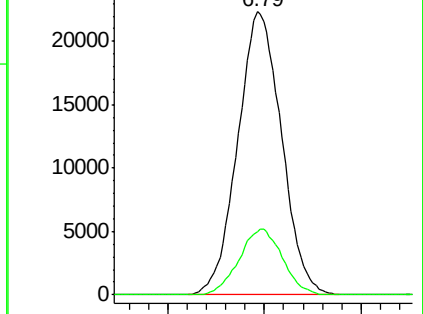
77 100

97 23.0 10.7 31.9

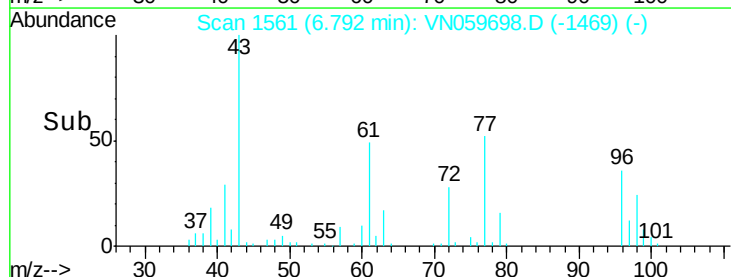


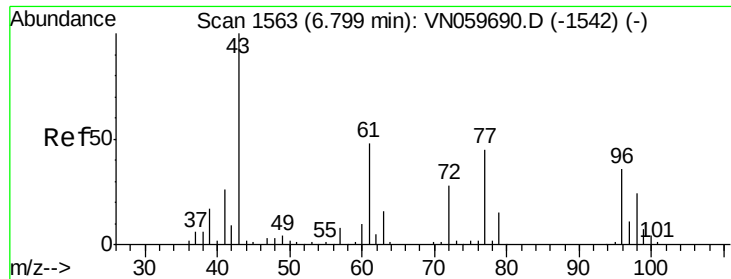
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.082 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

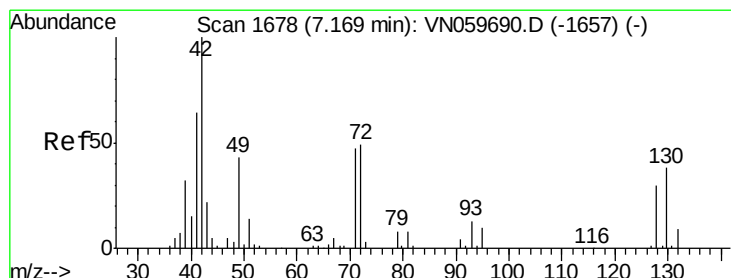
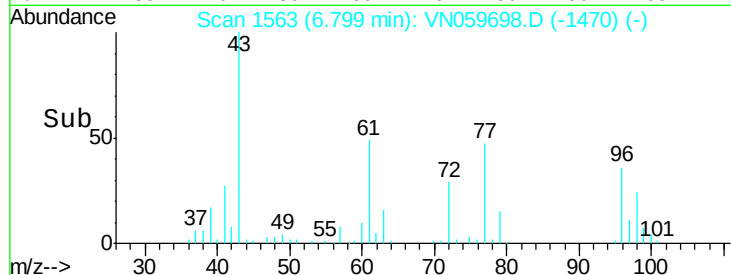
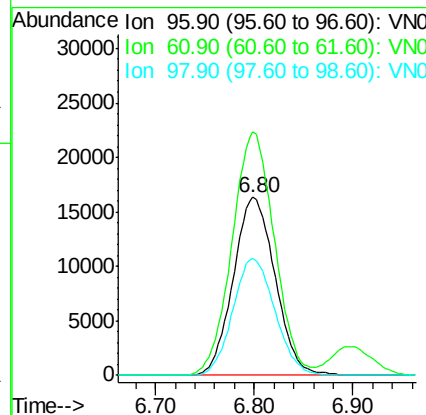
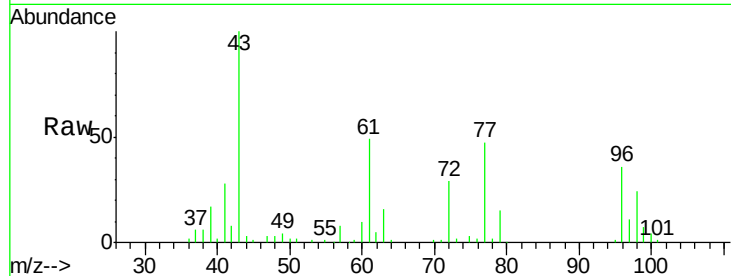
ClientSampleId :

VN0114WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 48209 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 138.1 | 0.0   | 317.6 |
| 98       | 65.8  | 0.0   | 127.0 |

Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM



#28

Bromochloromethane

Concen: 22.151 ug/l

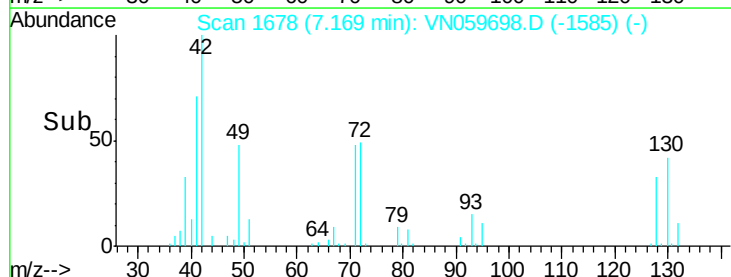
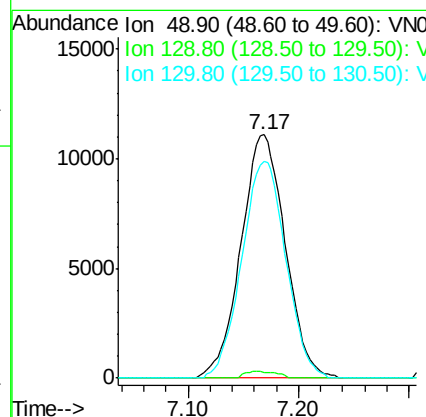
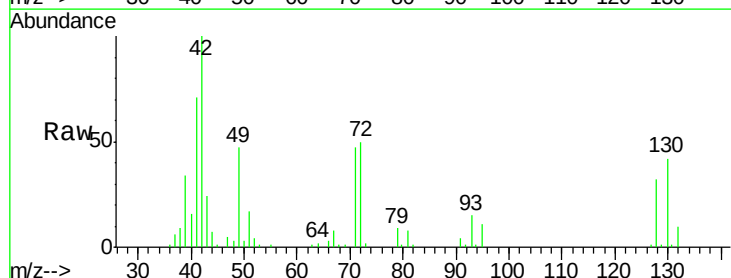
RT: 7.17 min Scan# 1678

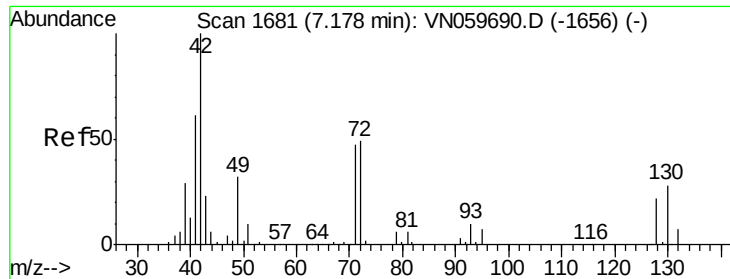
Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 30905 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.9   | 0.0   | 3.4   |
| 130      | 88.3  | 54.7  | 82.1# |





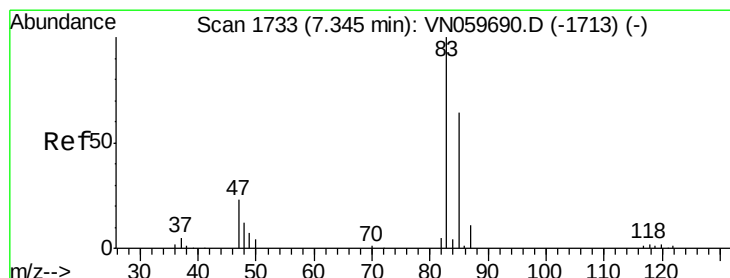
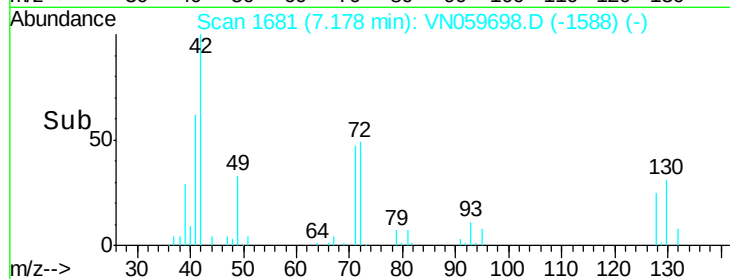
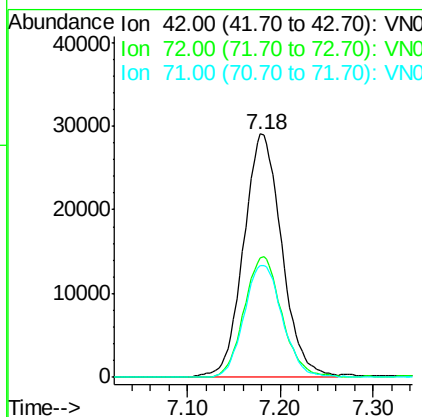
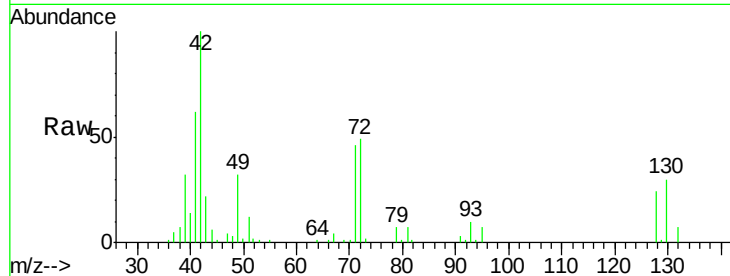
#29  
Tetrahydrofuran  
Concen: 104.890 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 48.8  | 33.1  | 49.7  |
| 71      | 45.9  | 31.4  | 47.0  |

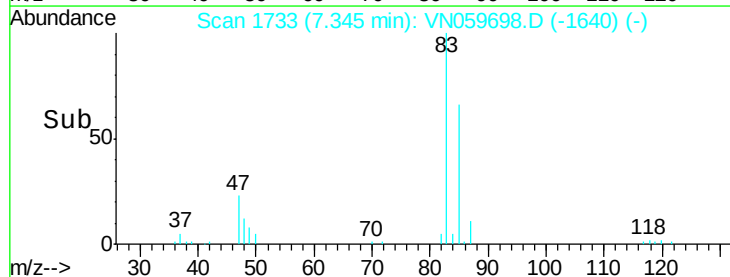
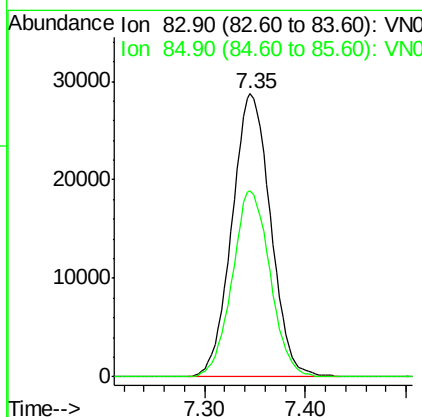
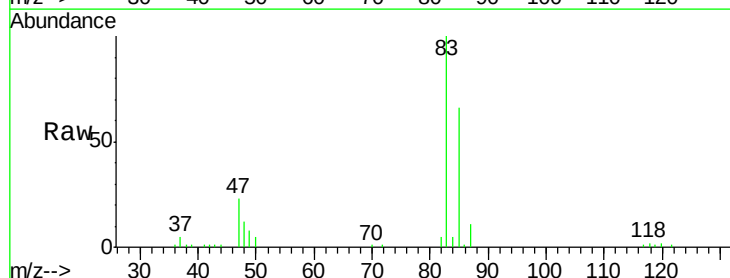
Manual Integrations  
APPROVED

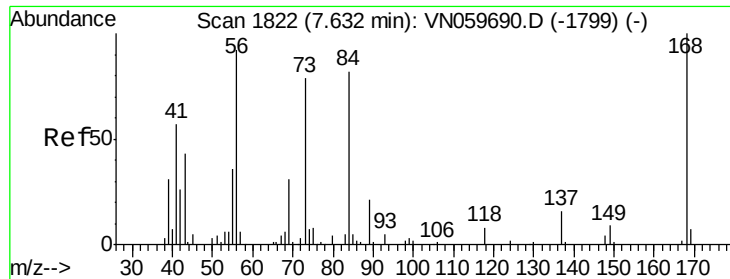
MMDadoda  
1/15/2020 10:55:10 AM



#30  
Chloroform  
Concen: 21.070 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.7  | 52.4  | 78.6  |





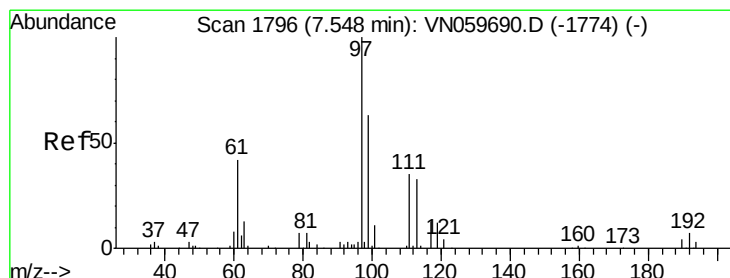
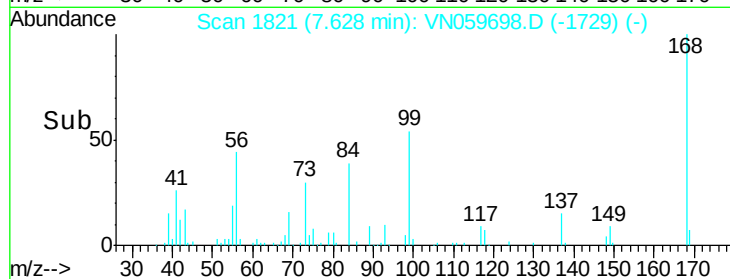
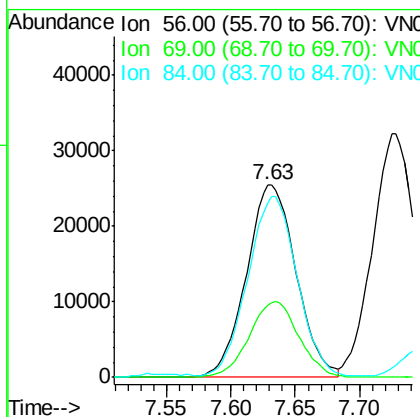
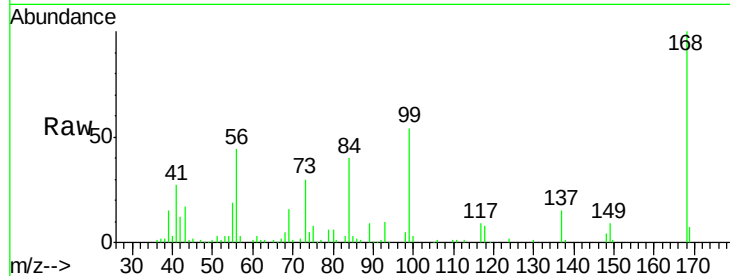
#31  
Cyclohexane  
Concen: 20.367 ug/l  
RT: 7.63 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0114WBS01

| Tot Ion   | 56    | Resp  | 68412 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 37.2  | 26.5  | 39.7  |
| 84        | 89.5  | 65.3  | 97.9  |

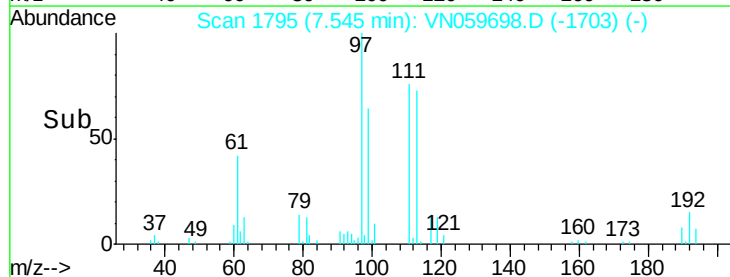
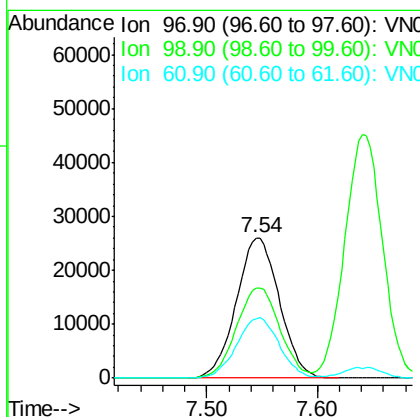
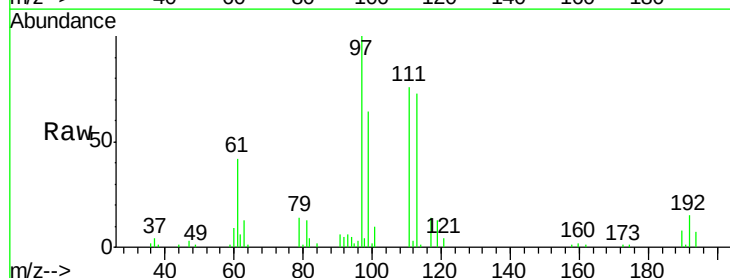
Manual Integrations  
APPROVED

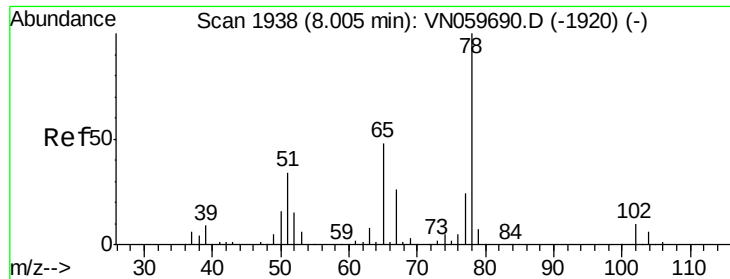
MMDadoda  
1/15/2020 10:55:10 AM



#32  
1,1,1-Trichloroethane  
Concen: 21.004 ug/l  
RT: 7.54 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion   | 97    | Resp  | 70240 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 64.9  | 51.0  | 76.4  |
| 61        | 42.6  | 38.5  | 57.7  |





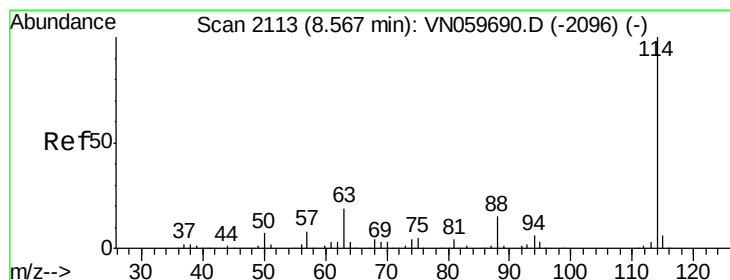
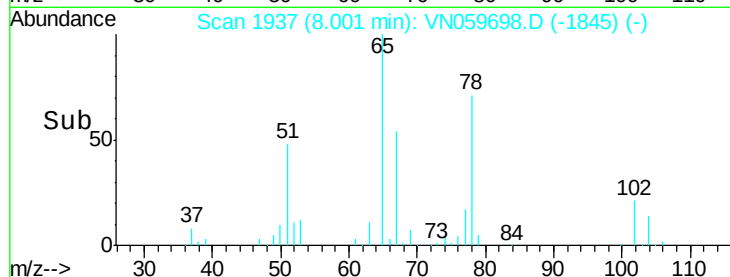
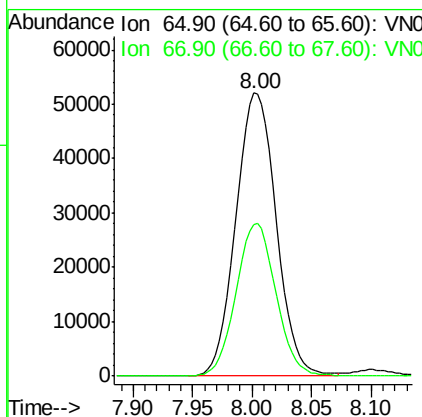
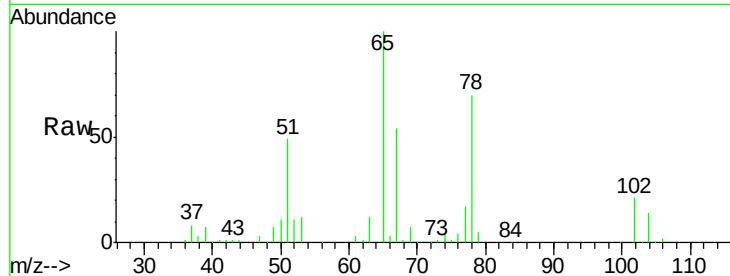
#33  
 1,2-Dichloroethane-d4  
 Concen: 54.034 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0114WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 122670 |       |       |
| 67      | 53.3  | 0.0    | 103.0 |       |

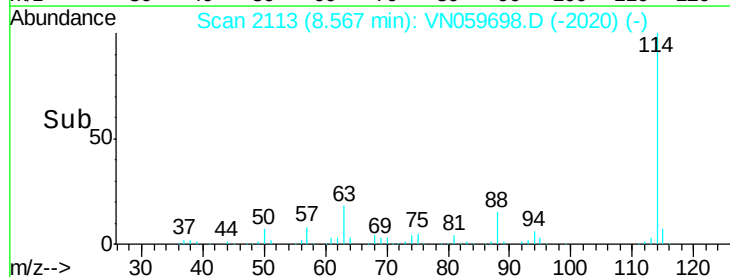
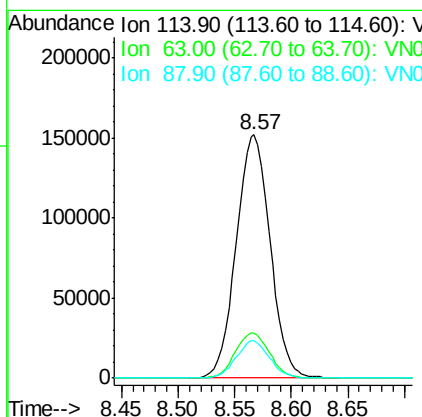
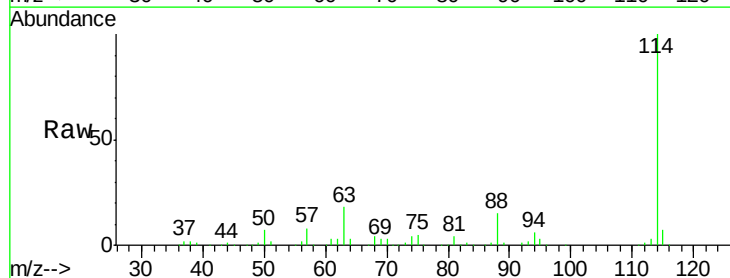
Manual Integrations  
 APPROVED

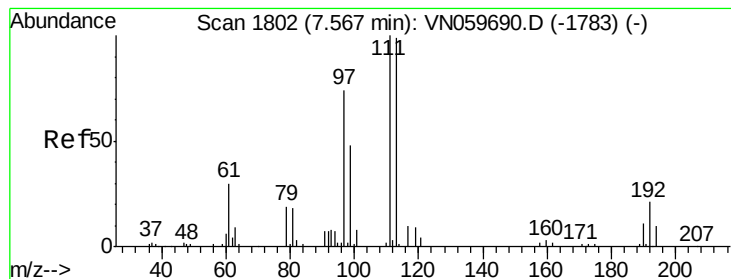
MMDadoda  
 1/15/2020 10:55:10 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 317174 |       |       |
| 63      | 18.5  | 0.0    | 43.6  |       |
| 88      | 15.3  | 0.0    | 31.4  |       |





#35

Dibromofluoromethane

Concen: 55.582 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

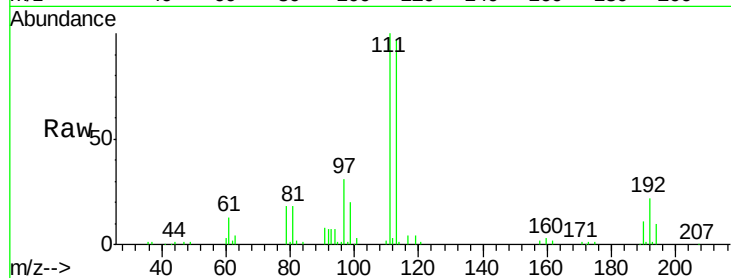
ClientSampled :

VN0114WBS01

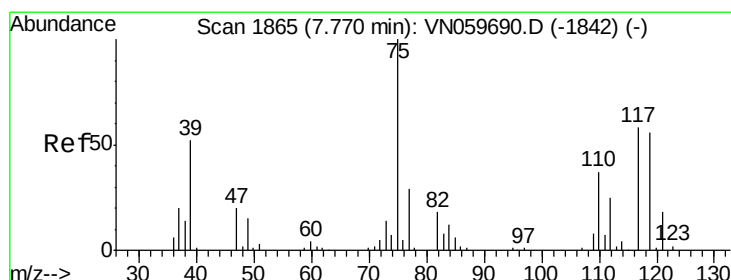
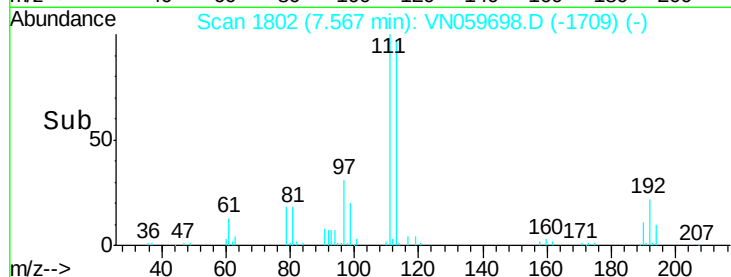
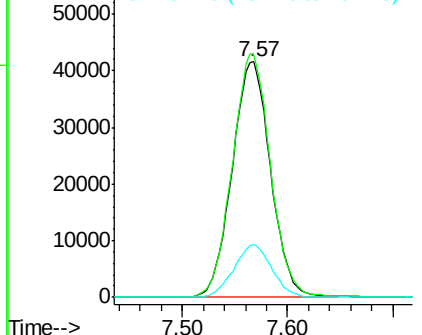
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 105130 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.5 | 83.5  | 125.3  |
| 192       | 21.9  | 15.4  | 23.2   |

Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.448 ug/l

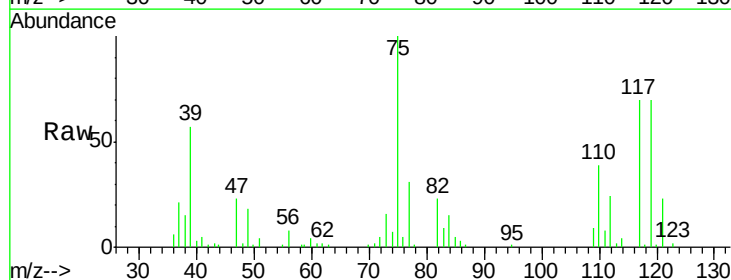
RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

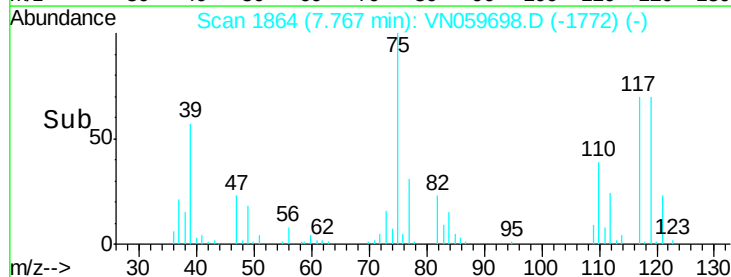
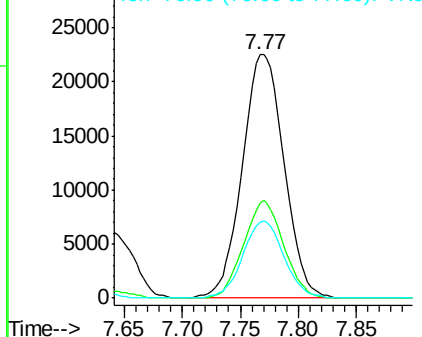
Lab File: VN059698.D

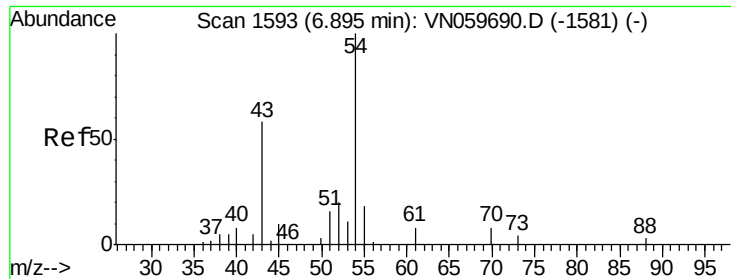
Acq: 14 Jan 2020 10:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 56479 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 38.2  | 16.6  | 49.7  |
| 77        | 31.2  | 25.1  | 37.7  |



Abundance Ion 74.90 (74.60 to 75.60): V  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.90 (76.60 to 77.60): V





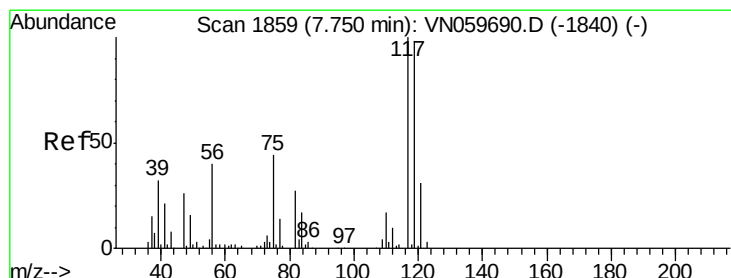
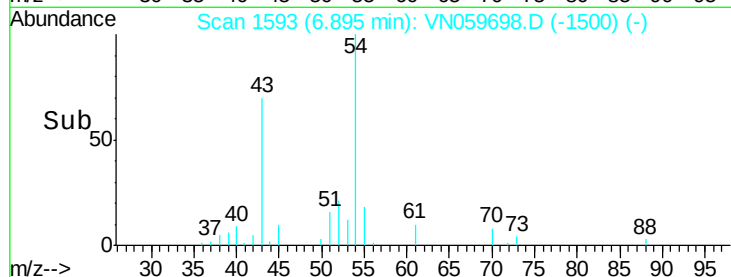
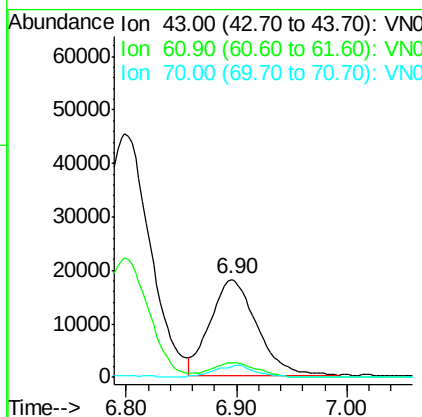
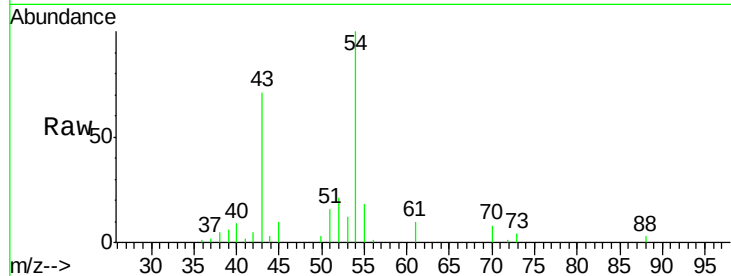
#37  
Ethyl Acetate  
Concen: 20.416 ug/l  
RT: 6.90 min Scan# 1593  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0114WBS01

| Tot Ion   | 43   | Resp  | 52890 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 43        | 100  |       |       |
| 61        | 14.9 | 10.9  | 16.3  |
| 70        | 11.4 | 7.7   | 11.5  |

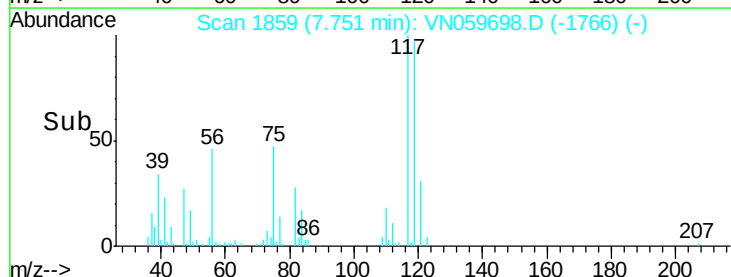
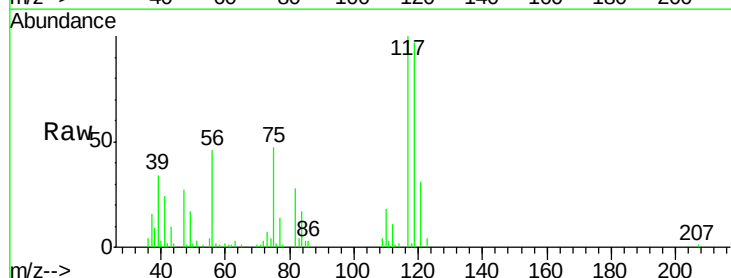
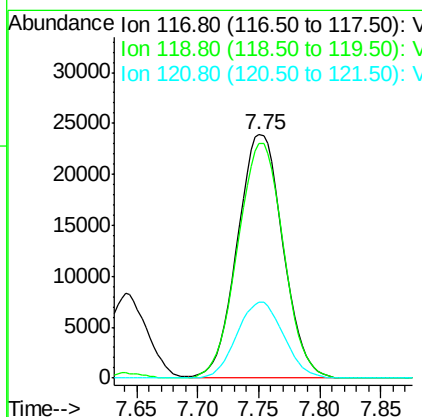
Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM

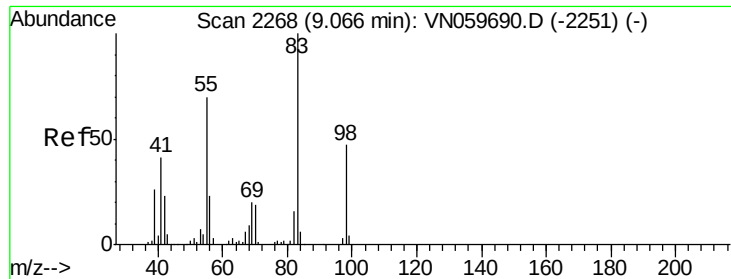


#38  
Carbon Tetrachloride  
Concen: 20.609 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion   | 117  | Resp  | 61922 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 117       | 100  |       |       |
| 119       | 96.5 | 76.5  | 114.7 |
| 121       | 31.4 | 25.1  | 37.7  |







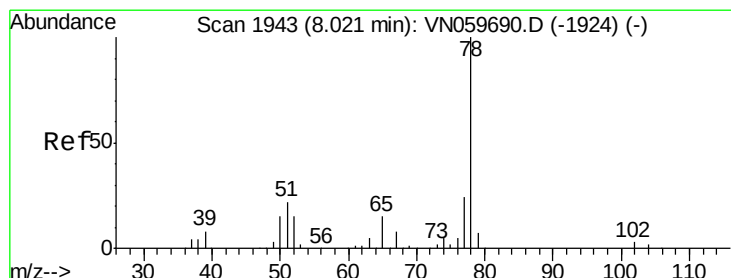
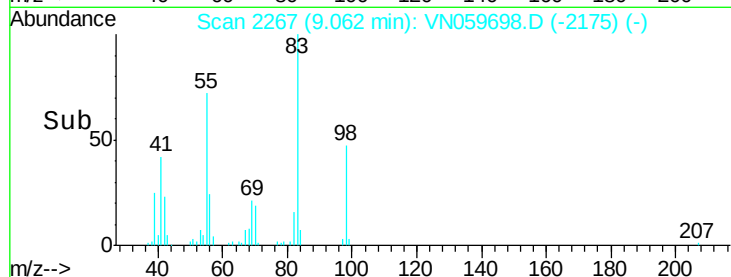
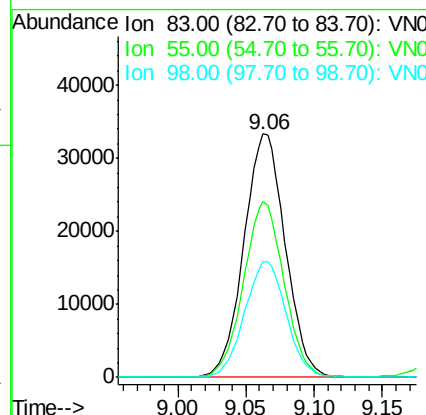
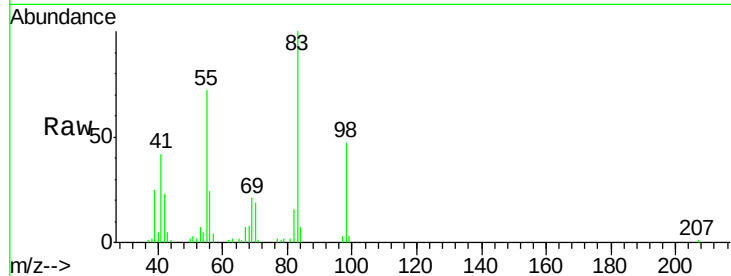
#39  
Methylvlcyclohexane  
Concen: 20.623 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

| Tot Ion | 83    | Resp  | 70237 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 72.1  | 64.2  | 96.2  |
| 98      | 47.4  | 35.9  | 53.9  |

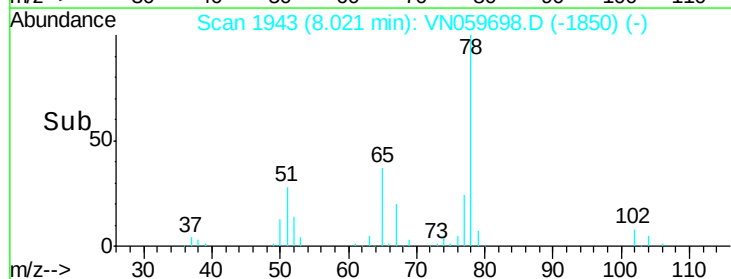
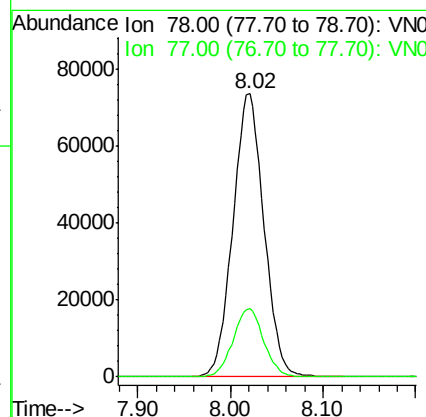
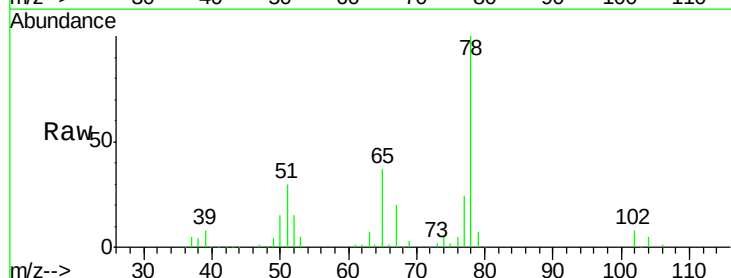
Manual Integrations  
APPROVED

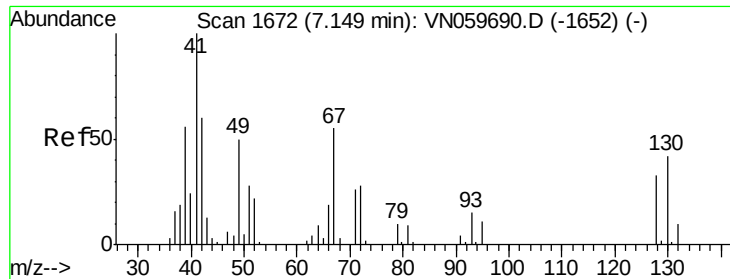
MMDadoda  
1/15/2020 10:55:10 AM



#40  
Benzene  
Concen: 20.726 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion | 78    | Resp  | 170728 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 24.1  | 18.9  | 28.3   |





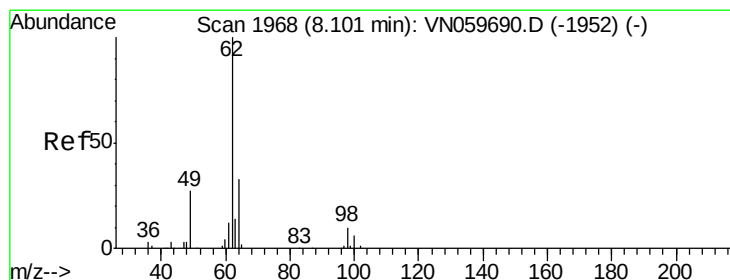
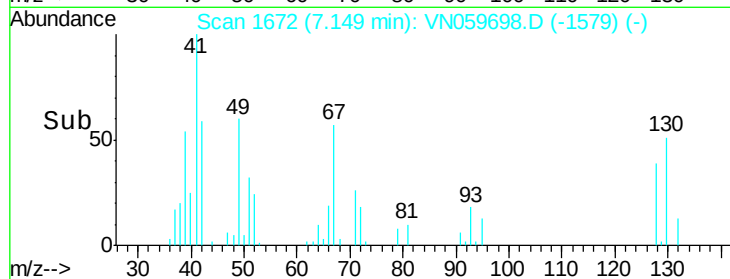
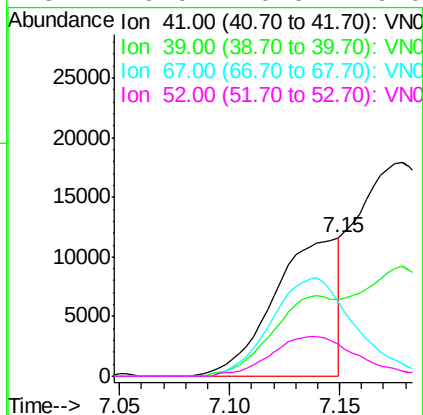
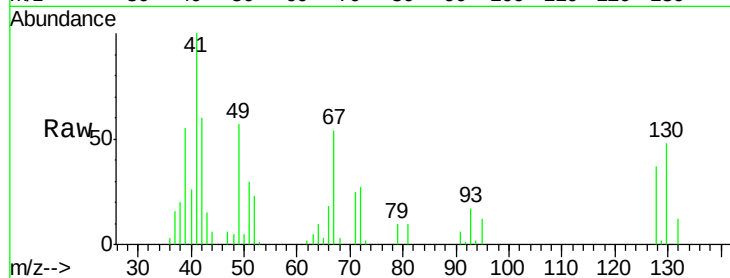
#41  
Methacrylonitrile  
Concen: 18.561 ug/l m  
RT: 7.15 min Scan# 1672  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

| Tot Ion   | 41    | Resp  | 23684 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 0.0   | 0.0   | 0.0   |
| 67        | 0.0   | 0.0   | 0.0   |
| 52        | 0.0   | 0.0   | 0.0   |

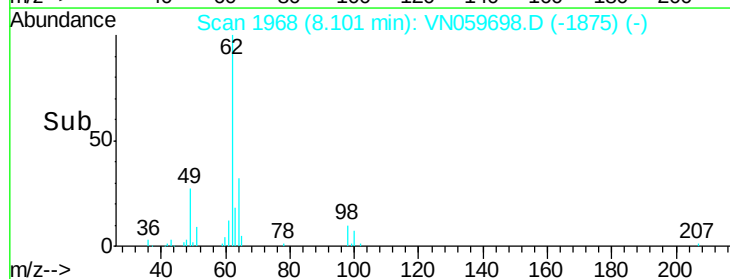
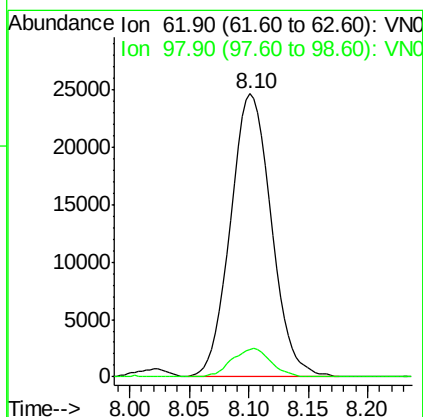
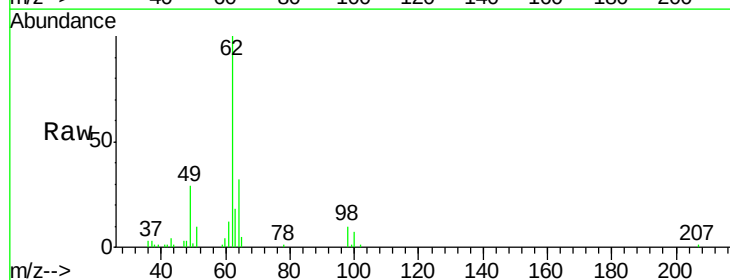
Manual Integrations  
APPROVED

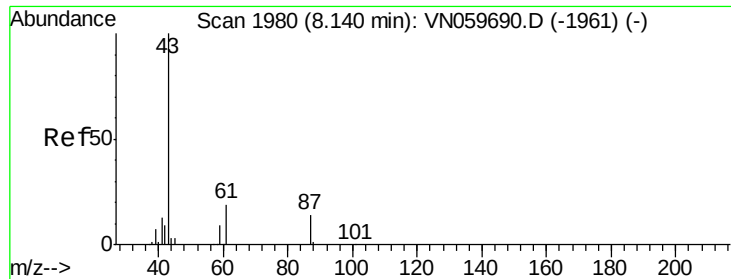
MMDadoda  
1/15/2020 10:55:10 AM



#42  
1,2-Dichloroethane  
Concen: 21.066 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion   | 62    | Resp  | 58835 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 9.5   | 0.0   | 15.8  |





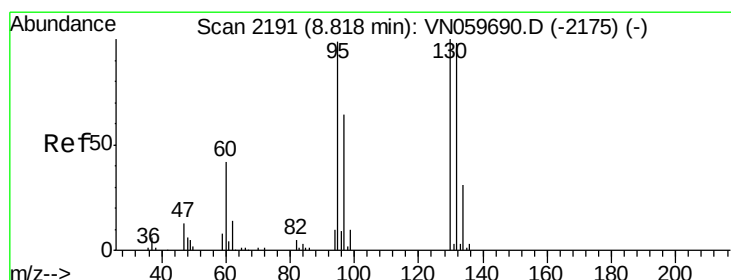
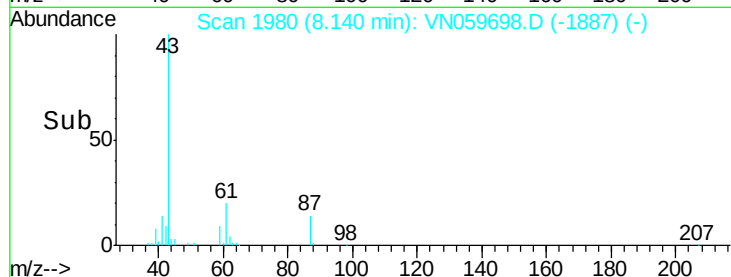
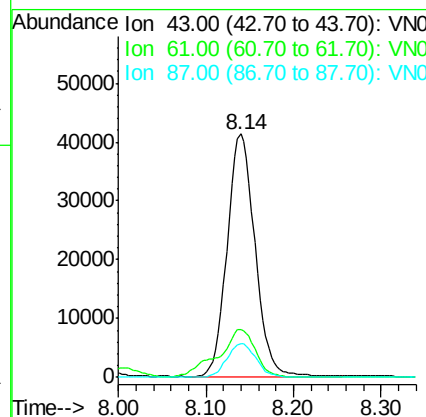
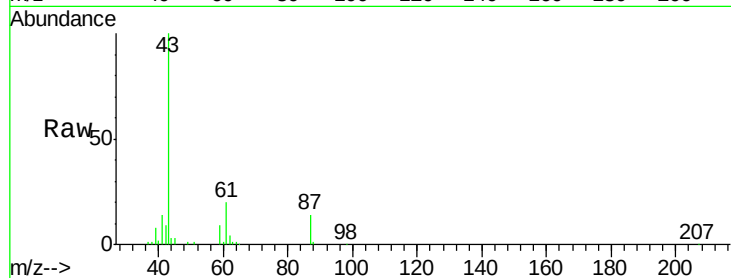
#43  
Isopropyl Acetate  
Concen: 20.758 ug/l  
RT: 8.14 min Scan# 1980  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.1  | 20.2  | 30.2  |
| 87      | 14.2  | 9.5   | 14.3  |

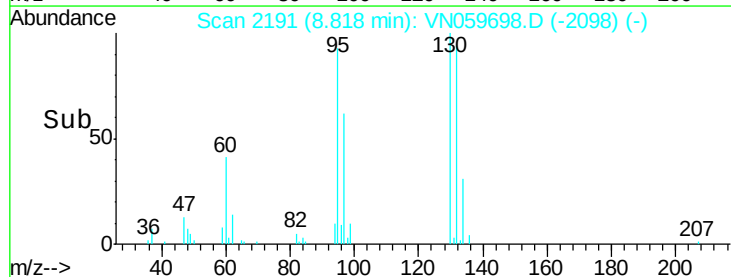
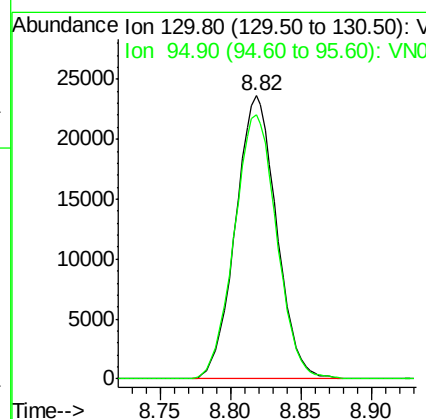
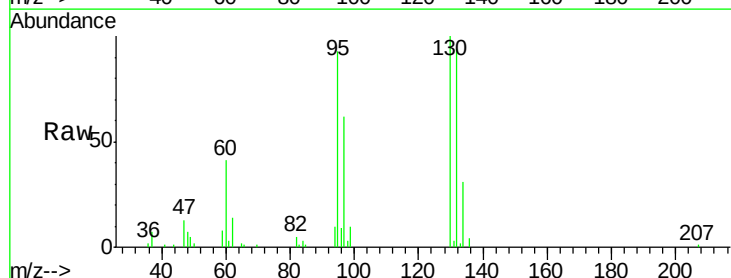
Manual Integrations  
APPROVED

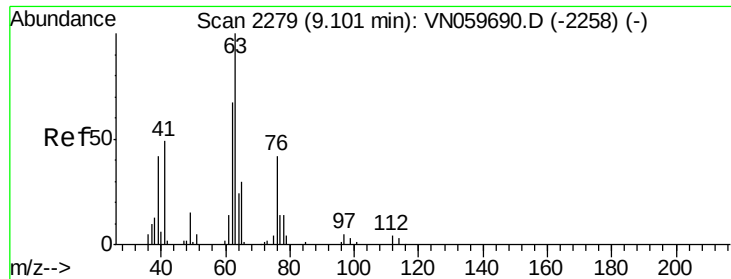
MMDadoda  
1/15/2020 10:55:10 AM



#44  
Trichloroethene  
Concen: 21.371 ug/l  
RT: 8.82 min Scan# 2191  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 93.1  | 0.0   | 207.0 |





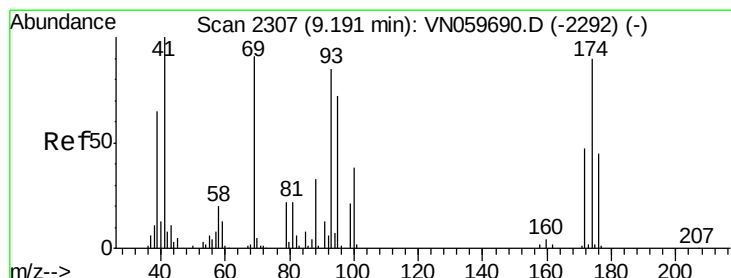
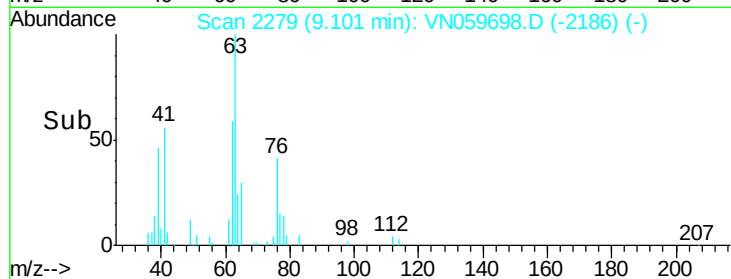
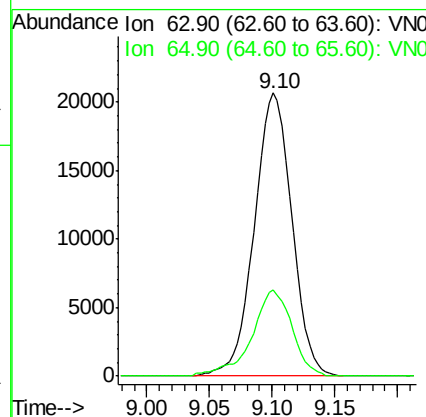
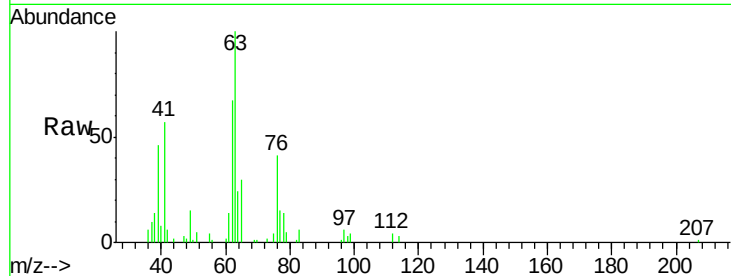
#45  
 1,2-Dichloropropane  
 Concen: 21.157 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0114WBS01

Tot Ion: 63 Resp: 43126  
 Ion Ratio Lower Upper  
 63 100  
 65 30.4 24.9 37.3

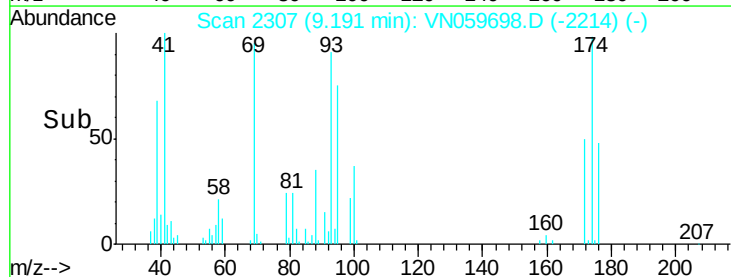
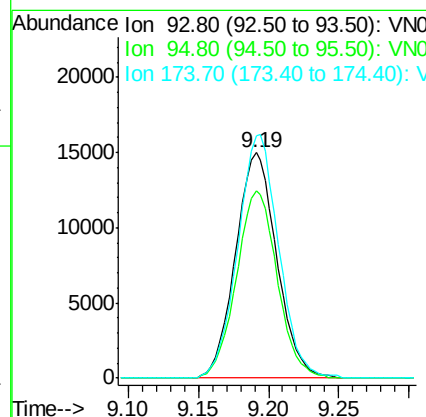
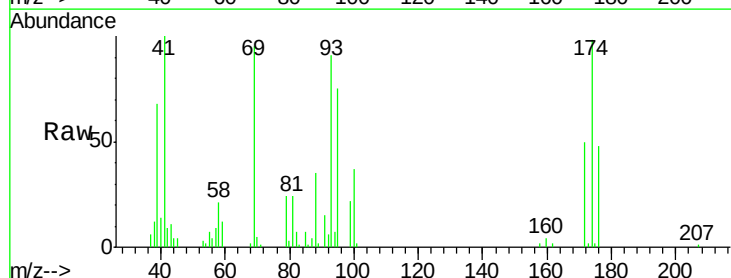
Manual Integrations  
 APPROVED

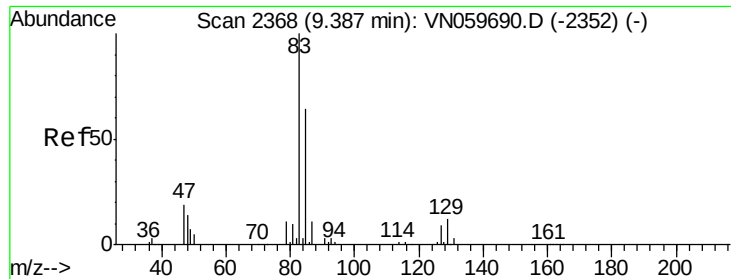
MMDadoda  
 1/15/2020 10:55:10 AM



#46  
 Dibromomethane  
 Concen: 21.351 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. 0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

Tgt Ion: 93 Resp: 30700  
 Ion Ratio Lower Upper  
 93 100  
 95 81.9 67.0 100.6  
 174 106.9 73.4 110.2





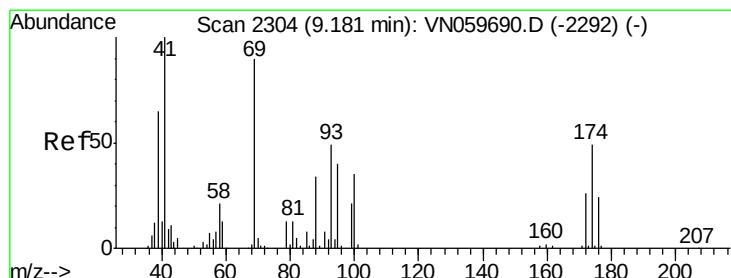
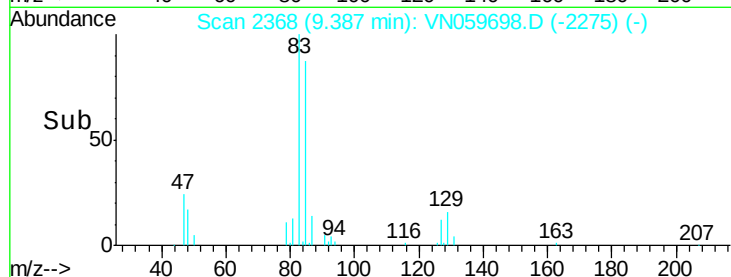
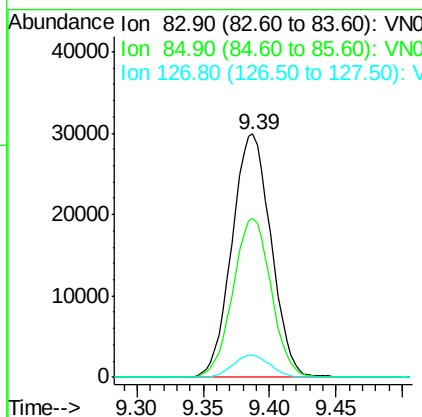
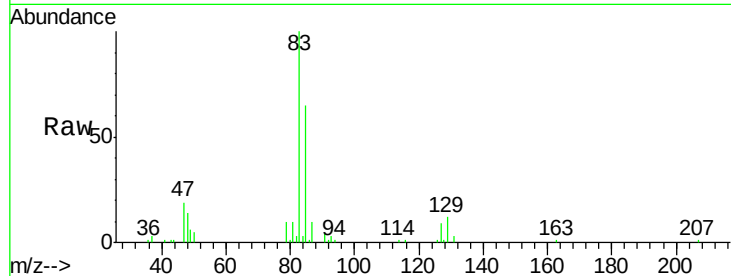
#47  
Bromodichloromethane  
Concen: 21.123 ug/l  
RT: 9.39 min Scan# 2368  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

| Tot Ion   | 83   | Resp | 61206 |
|-----------|------|------|-------|
| Ion Ratio | 100  |      |       |
| 85        | 65.4 | 51.1 | 76.7  |
| 127       | 8.9  | 6.6  | 9.8   |

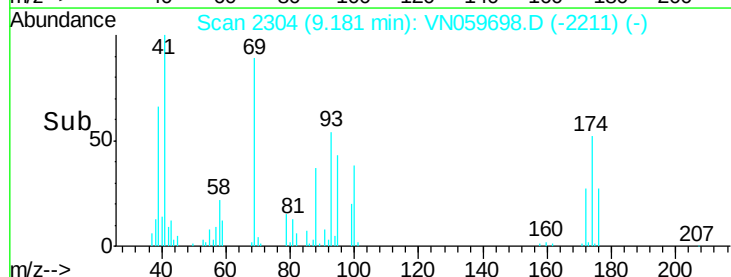
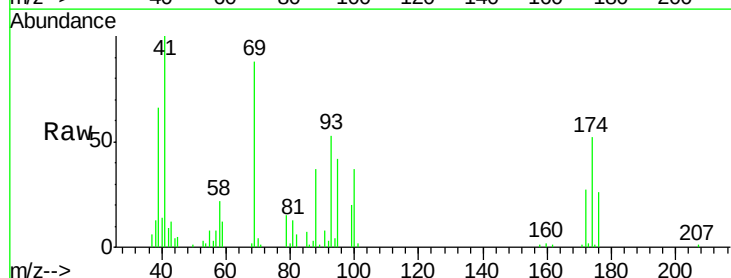
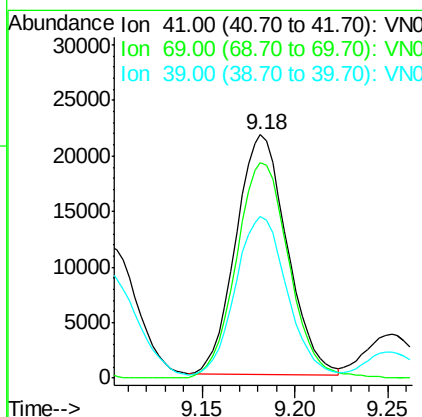
Manual Integrations  
APPROVED

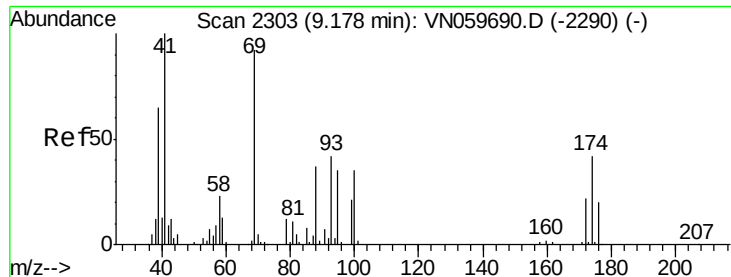
MMDadoda  
1/15/2020 10:55:10 AM



#48  
Methyl methacrylate  
Concen: 20.694 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion   | 41   | Resp | 41246 |
|-----------|------|------|-------|
| Ion Ratio | 100  |      |       |
| 69        | 92.8 | 64.4 | 96.6  |
| 39        | 66.9 | 51.3 | 76.9  |





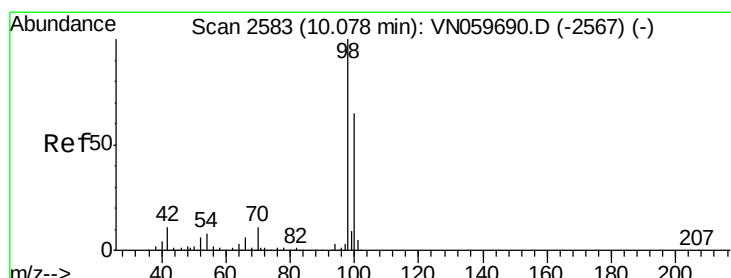
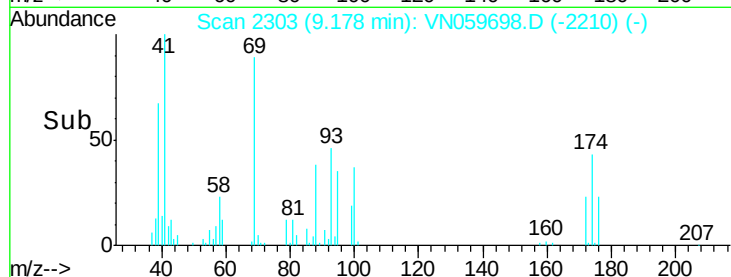
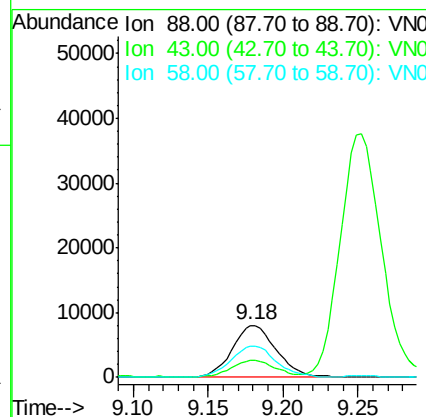
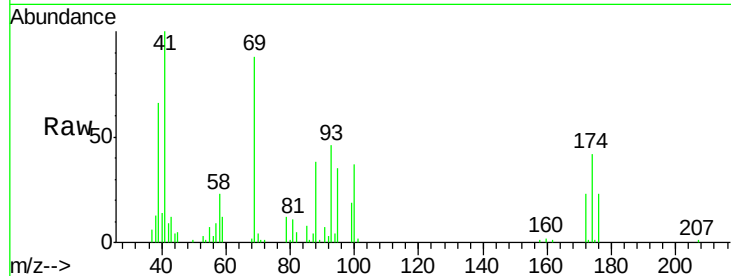
#49  
1,4-Dioxane  
Concen: 453.425 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.9  | 29.7  | 44.5  |
| 58      | 61.3  | 56.6  | 85.0  |

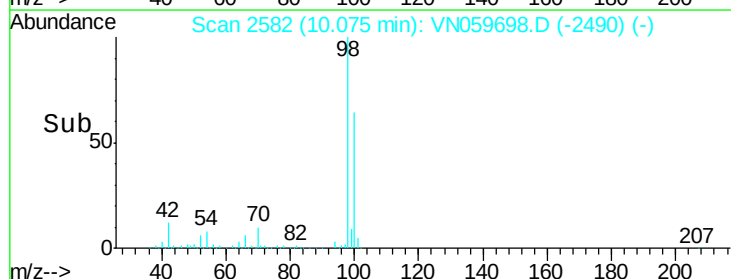
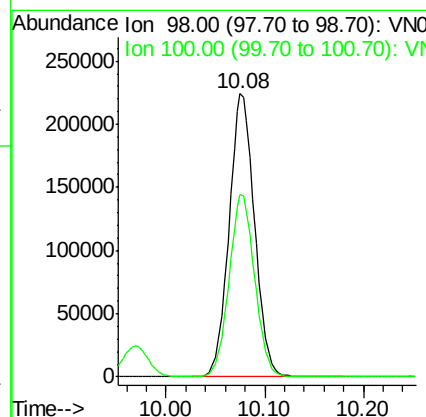
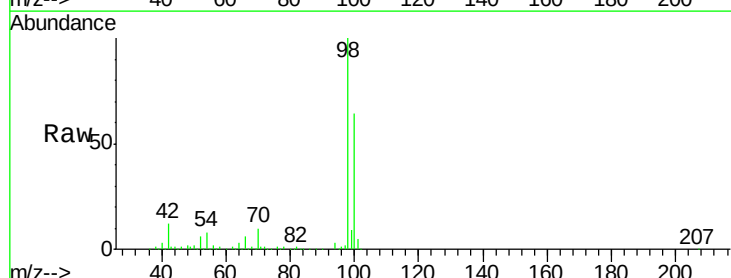
Manual Integrations  
APPROVED

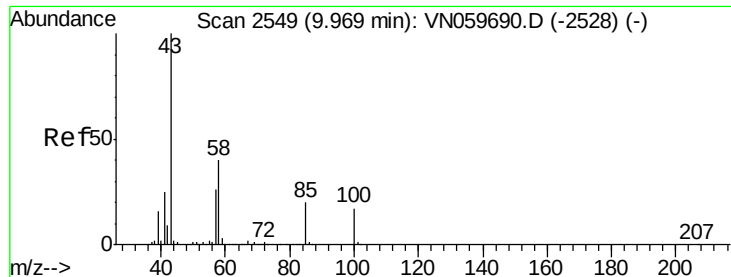
MMDadoda  
1/15/2020 10:55:10 AM



#50  
Toluene-d8  
Concen: 55.071 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.8  | 51.2  | 76.8  |





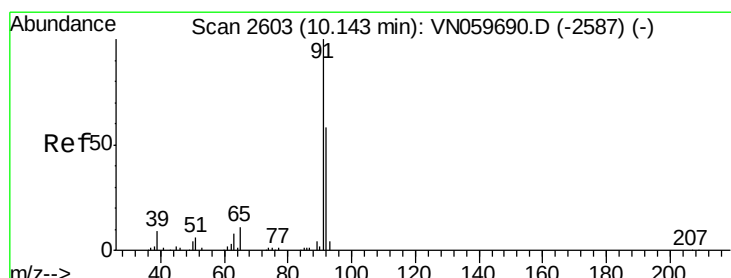
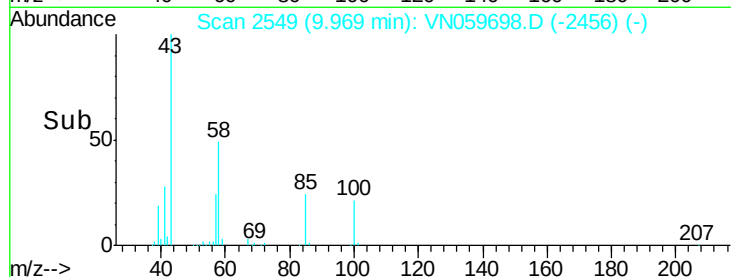
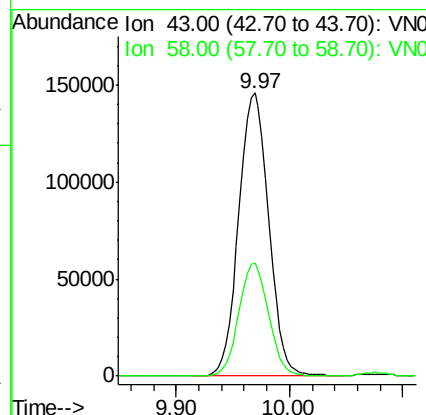
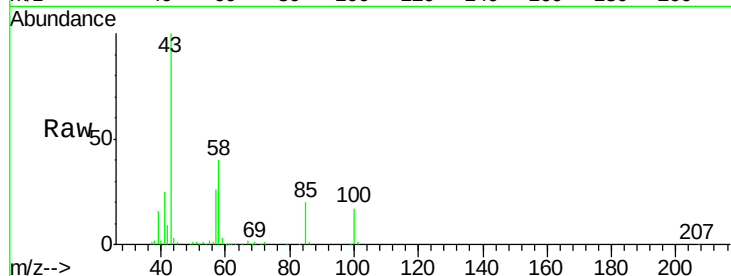
#51  
4-Methyl-2-Pentanone  
Concen: 104.866 ug/l  
RT: 9.97 min Scan# 2549  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 39.6  | 29.8  | 44.8  |

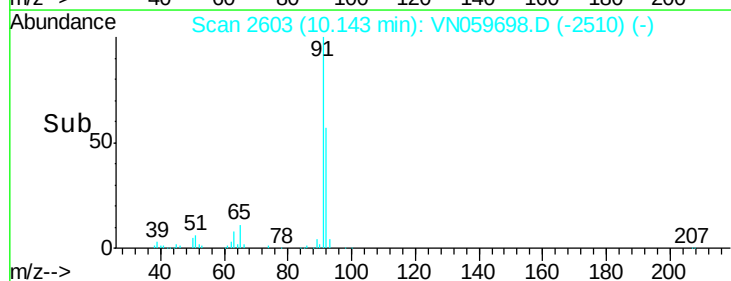
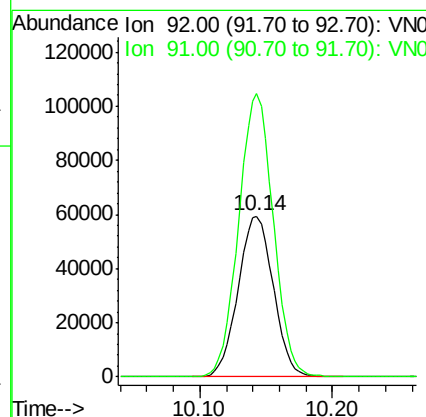
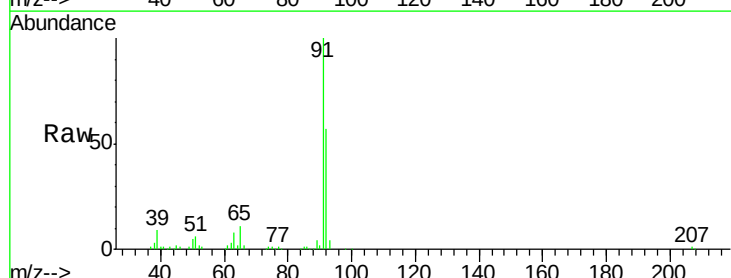
Manual Integrations  
APPROVED

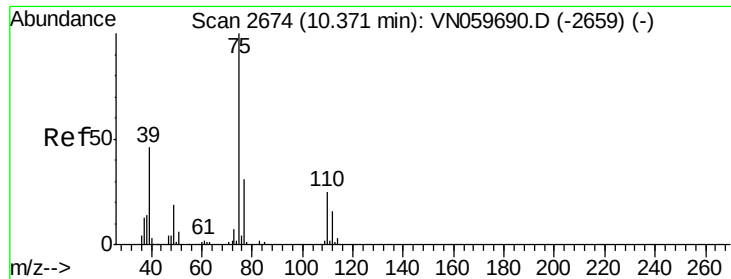
MMDadoda  
1/15/2020 10:55:10 AM



#52  
Toluene  
Concen: 21.099 ug/l  
RT: 10.14 min Scan# 2603  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 172.9 | 140.4 | 210.6 |





#53

t-1,3-Dichloropropene

Concen: 20.645 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0114WBS01

Tot Ion: 75 Resp: 66793

Ion Ratio Lower Upper

75 100

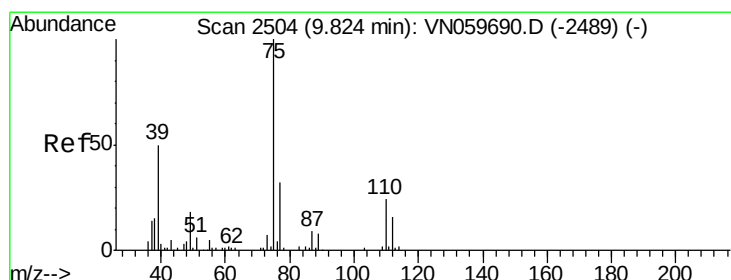
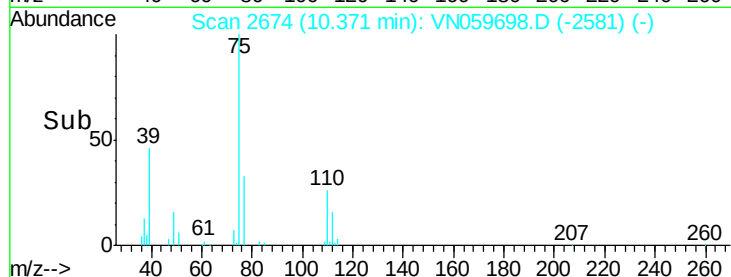
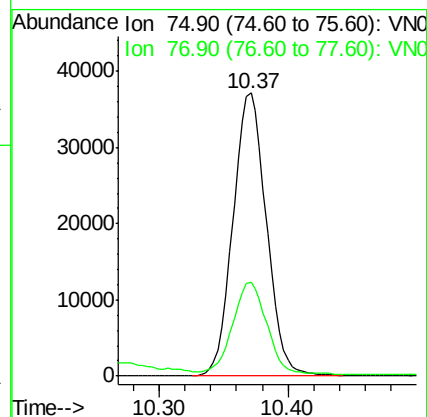
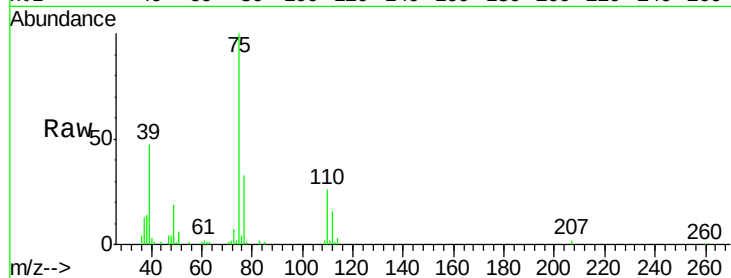
77 32.5 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

1/15/2020 10:55:10 AM



#54

cis-1,3-Dichloropropene

Concen: 21.272 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

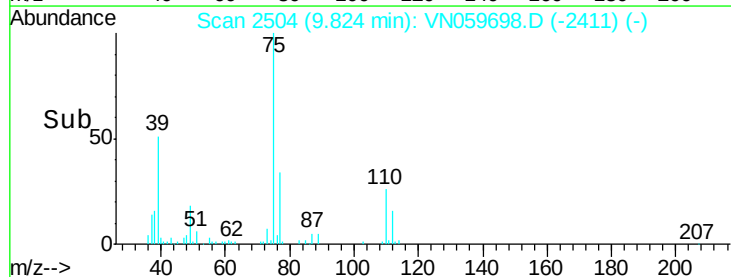
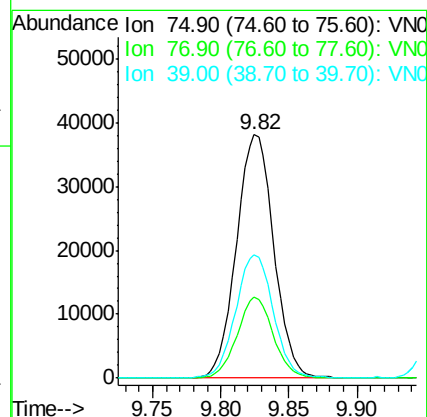
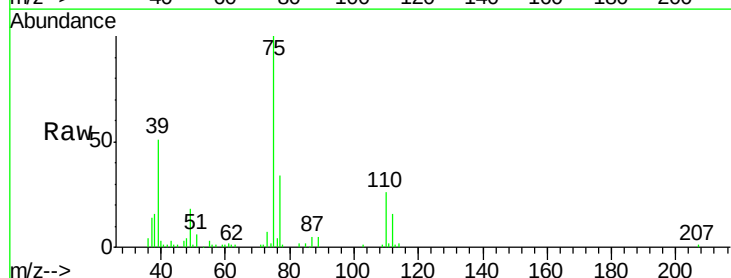
Tgt Ion: 75 Resp: 72414

Ion Ratio Lower Upper

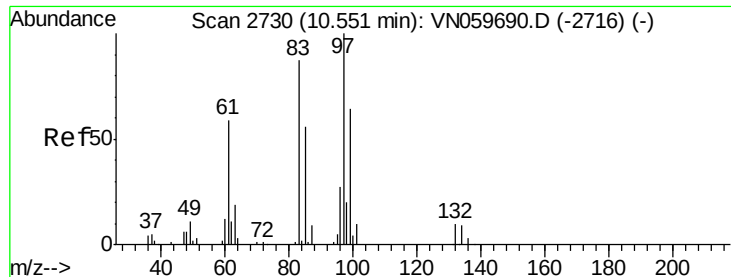
75 100

77 33.5 25.1 37.7

39 50.6 46.1 69.1







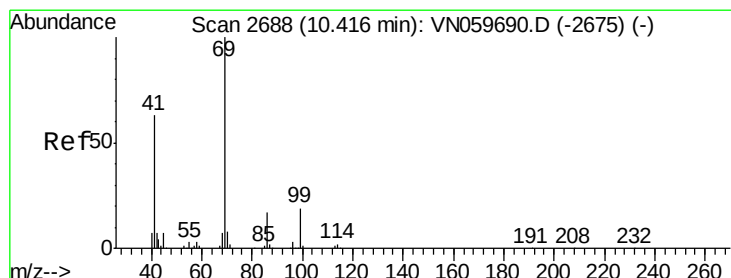
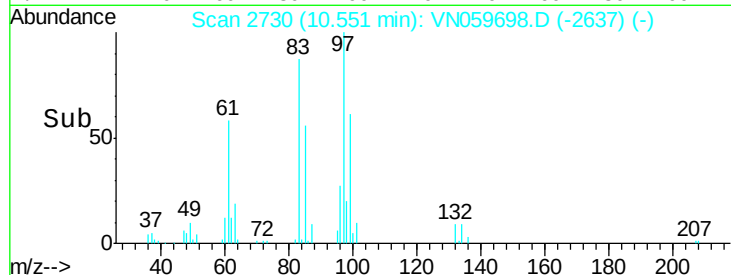
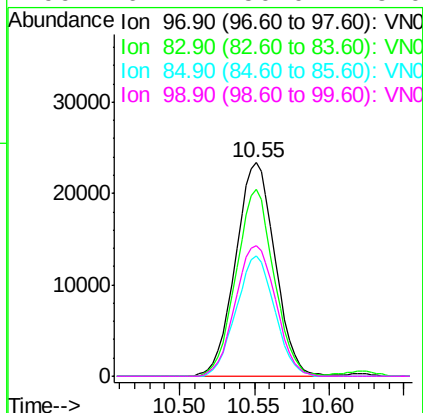
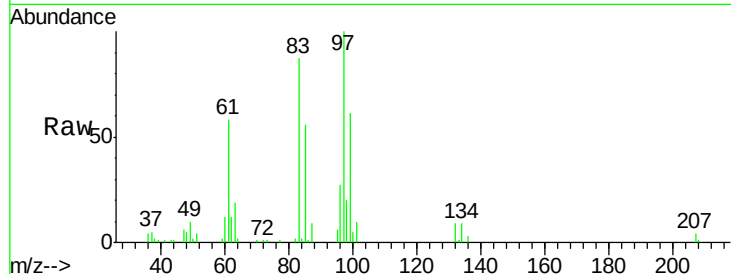
#55  
 1,1,2-Trichloroethane  
 Concen: 20.843 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. 0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0114WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 87.2  | 71.3  | 106.9 |
| 85      | 56.2  | 45.8  | 68.8  |
| 99      | 61.1  | 50.0  | 75.0  |

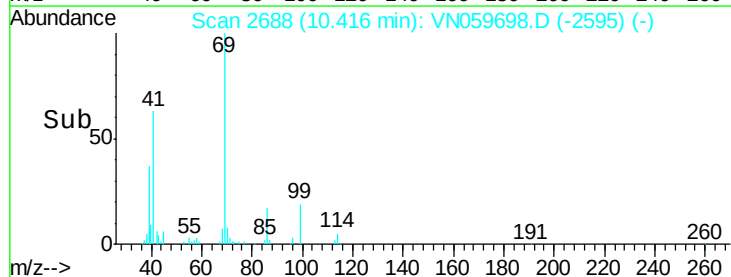
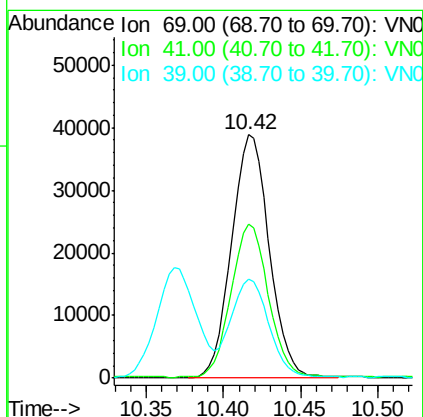
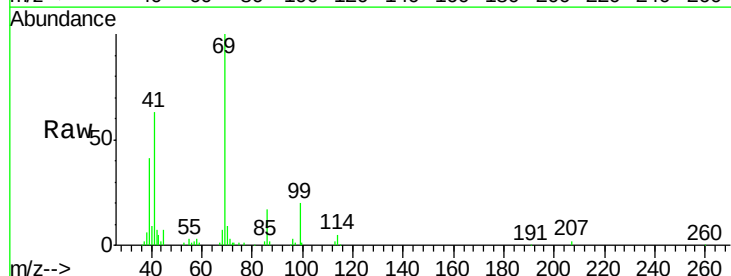
Manual Integrations  
 APPROVED

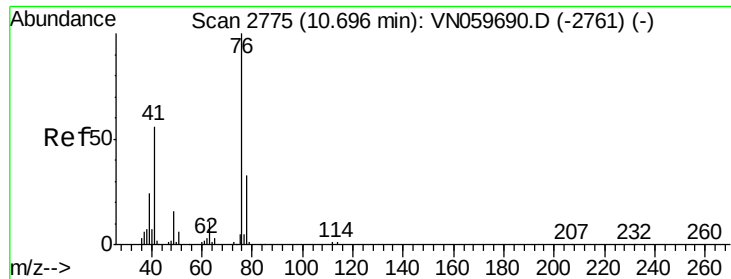
MMDadoda  
 1/15/2020 10:55:10 AM



#56  
 Ethyl methacrylate  
 Concen: 20.909 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. 0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 61.9  | 57.1  | 85.7  |
| 39      | 41.4  | 34.7  | 52.1  |





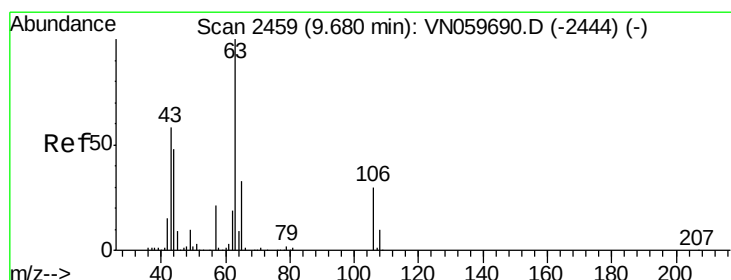
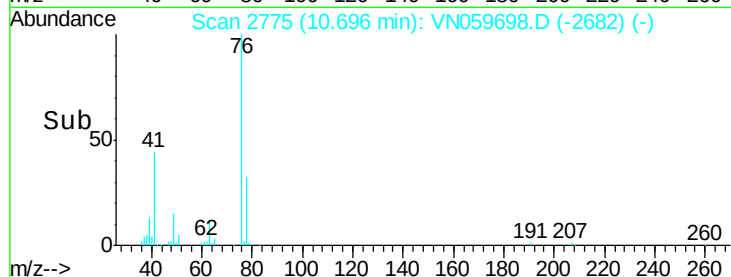
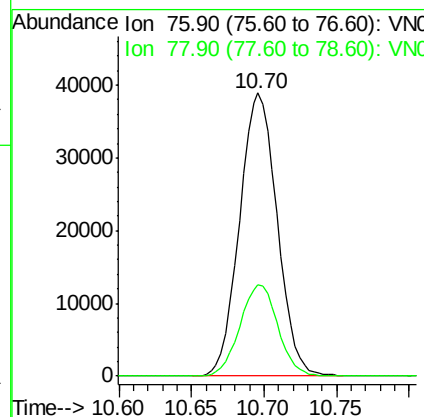
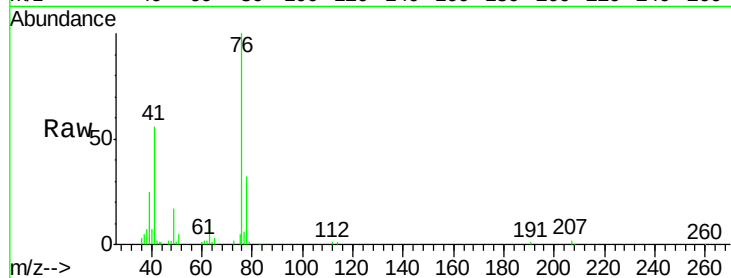
#57  
 1,3-Dichloropropane  
 Concen: 21.408 ug/l  
 RT: 10.70 min Scan# 2775  
 Delta R.T. 0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0114WBS01

Tot Ion: 76 Resp: 70041  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 25.8 38.8

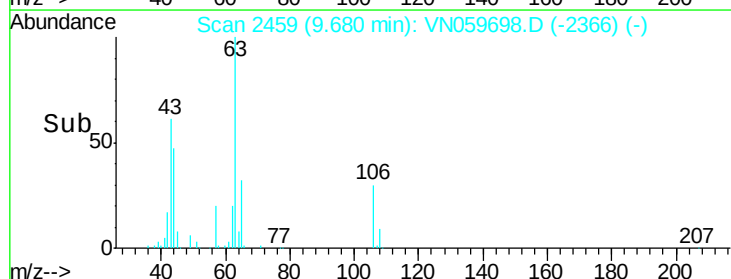
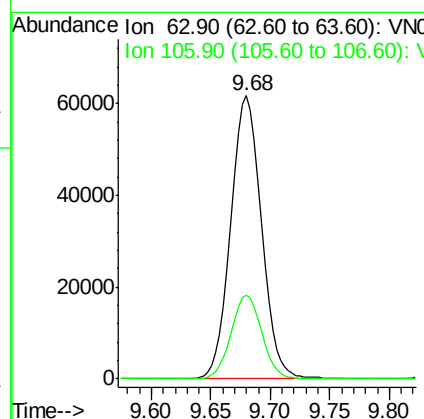
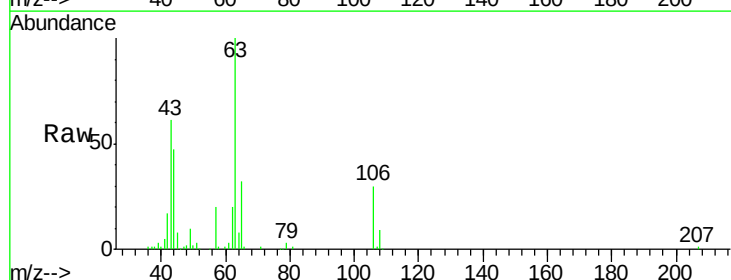
Manual Integrations  
 APPROVED

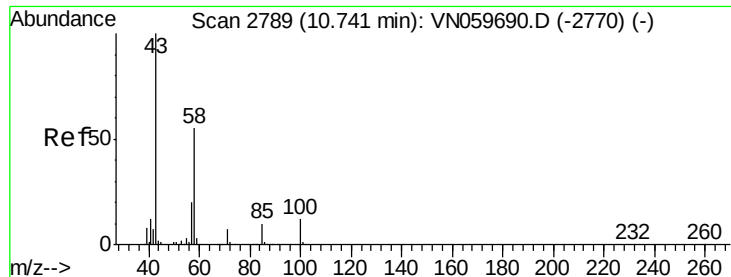
MMDadoda  
 1/15/2020 10:55:10 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 116.890 ug/l  
 RT: 9.68 min Scan# 2459  
 Delta R.T. 0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

Tgt Ion: 63 Resp: 110863  
 Ion Ratio Lower Upper  
 63 100  
 106 29.5 20.2 30.2





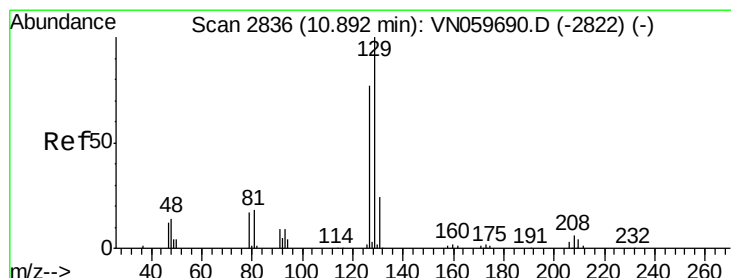
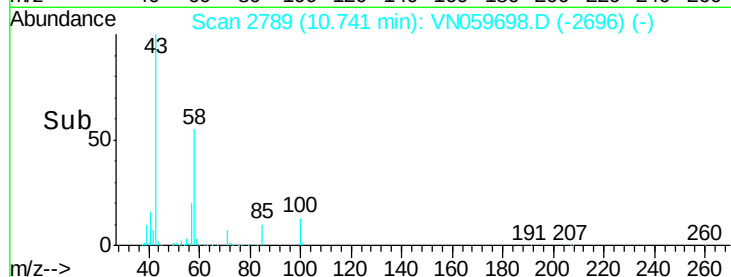
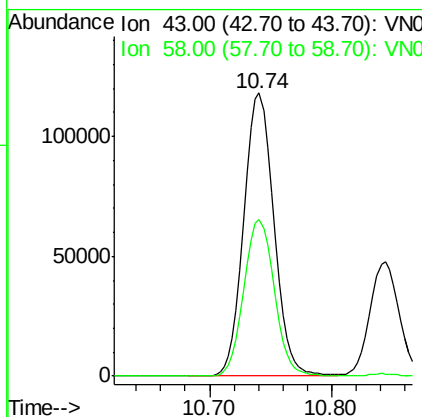
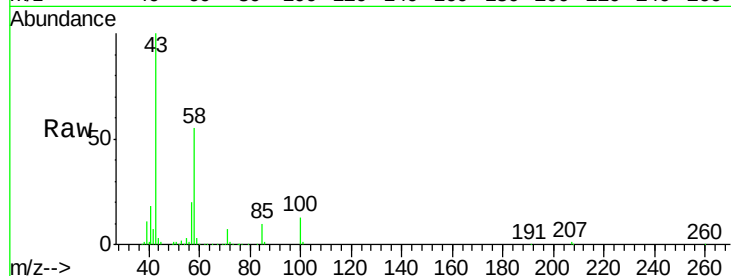
#59  
2-Hexanone  
Concen: 106.097 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

Tot Ion: 43 Resp: 201331  
Ion Ratio Lower Upper  
43 100  
58 55.8 25.8 77.3

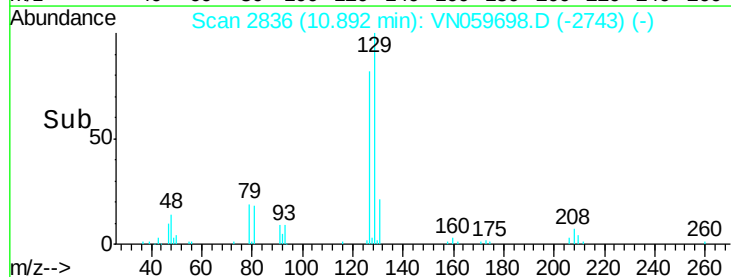
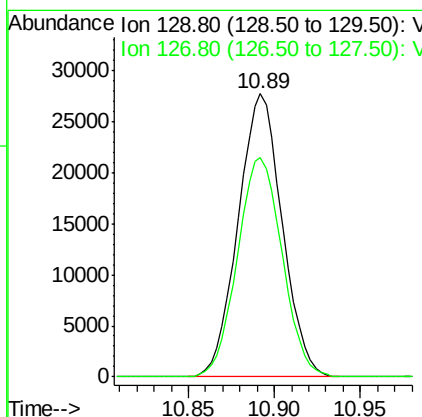
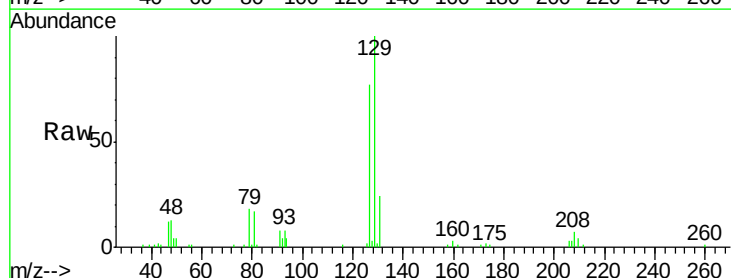
Manual Integrations  
APPROVED

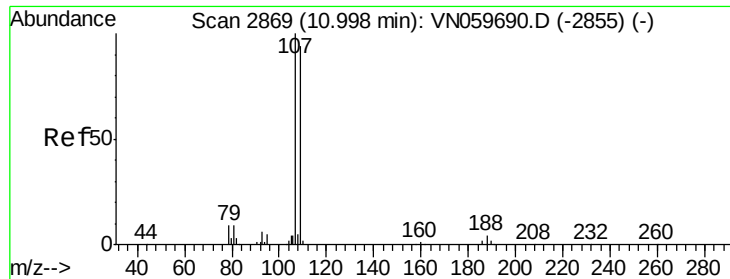
MMDadoda  
1/15/2020 10:55:10 AM



#60  
Dibromochloromethane  
Concen: 20.976 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Tgt Ion: 129 Resp: 49225  
Ion Ratio Lower Upper  
129 100  
127 78.4 38.5 115.5





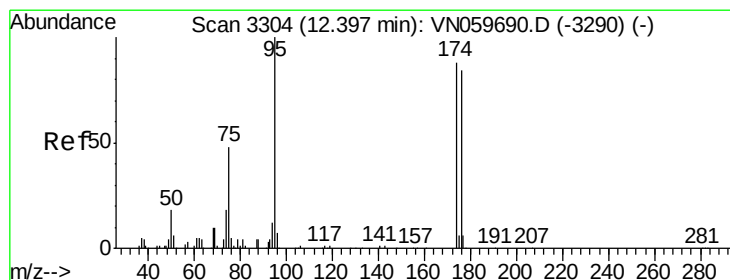
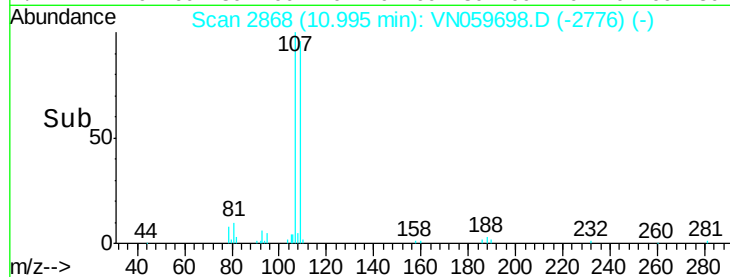
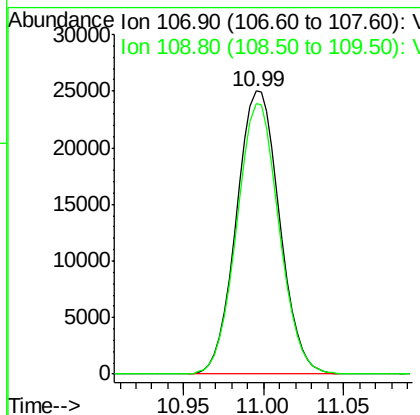
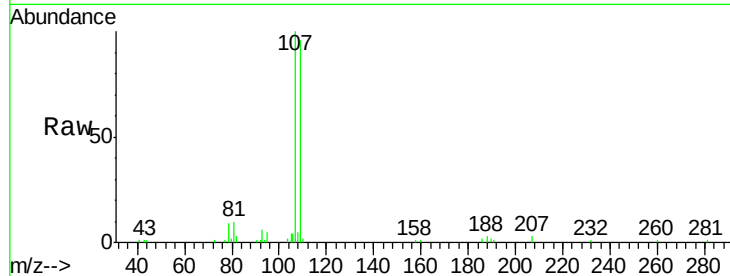
#61  
 1,2-Dibromoethane  
 Concen: 21.267 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0114WBS01

Tot Ion:107 Resp: 45936  
 Ion Ratio Lower Upper  
 107 100  
 109 93.9 76.6 115.0

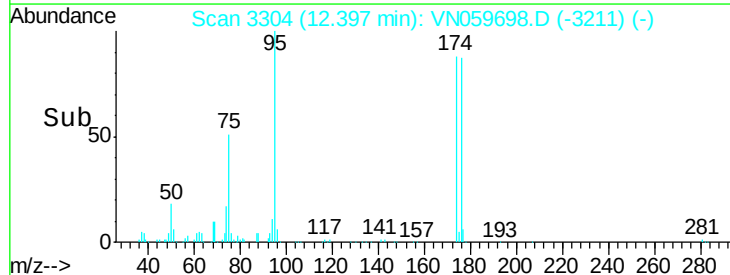
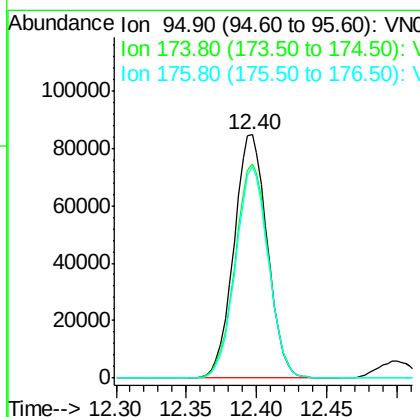
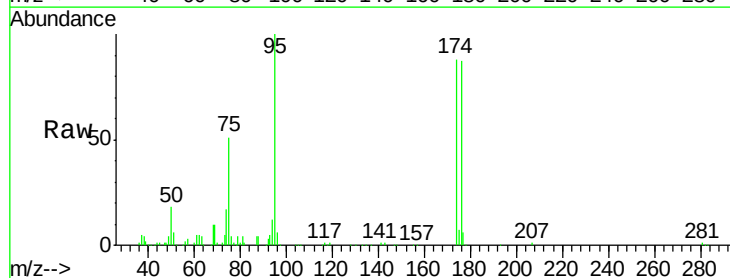
Manual Integrations  
 APPROVED

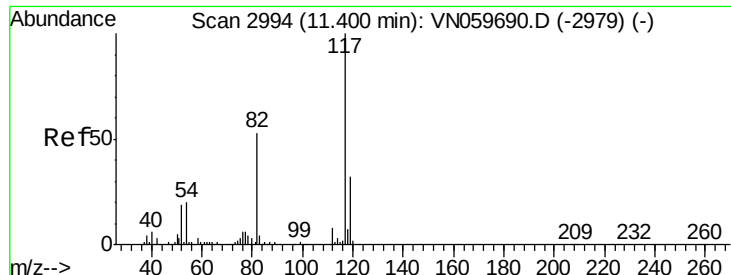
MMDadoda  
 1/15/2020 10:55:10 AM



#62  
 4-Bromofluorobenzene  
 Concen: 53.220 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

Tgt Ion: 95 Resp: 140600  
 Ion Ratio Lower Upper  
 95 100  
 174 88.3 0.0 151.4  
 176 85.4 0.0 146.0





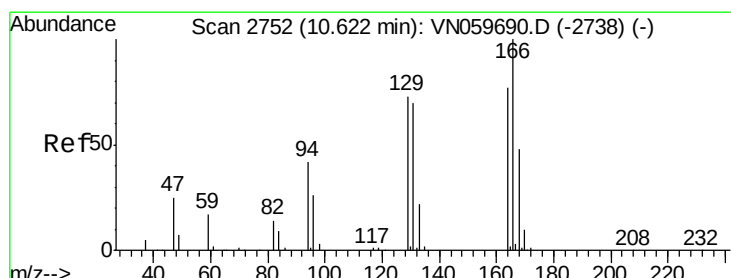
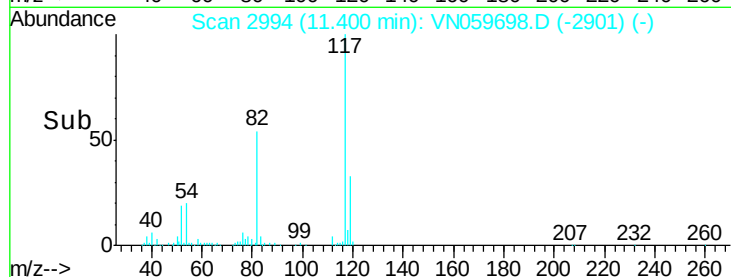
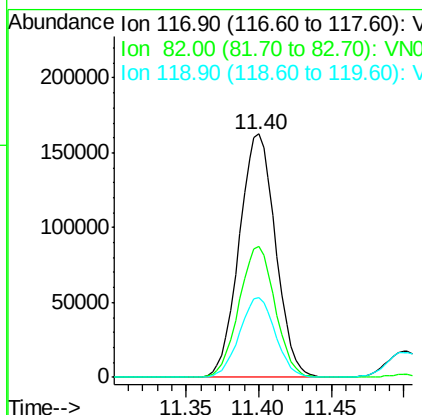
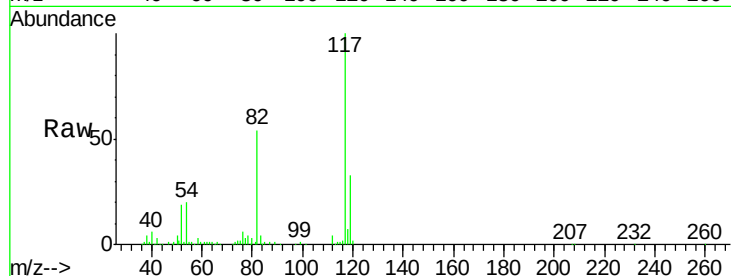
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 283827 |       |       |
| 82      | 53.7  | 45.9   | 68.9  |       |
| 119     | 32.8  | 25.5   | 38.3  |       |

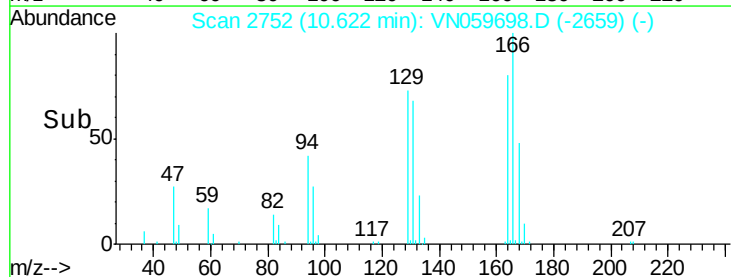
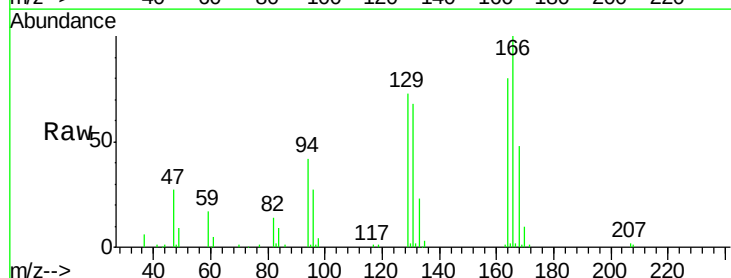
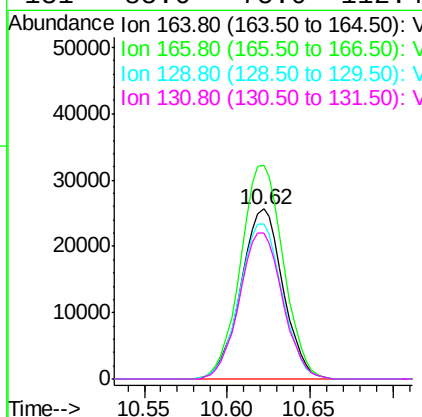
Manual Integrations  
APPROVED

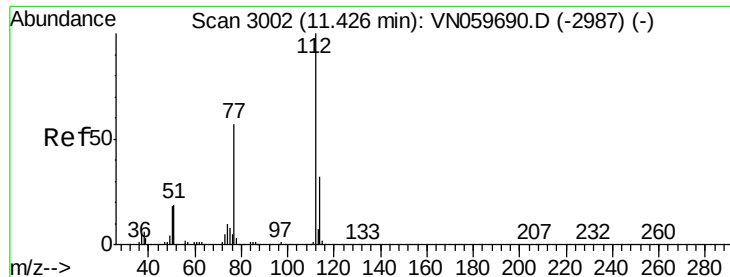
MMDadoda  
1/15/2020 10:55:10 AM



#64  
Tetrachloroethene  
Concen: 19.565 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 45259 |       |       |
| 166     | 125.6 | 101.4 | 152.0 |       |
| 129     | 91.4  | 80.2  | 120.4 |       |
| 131     | 85.6  | 75.0  | 112.4 |       |





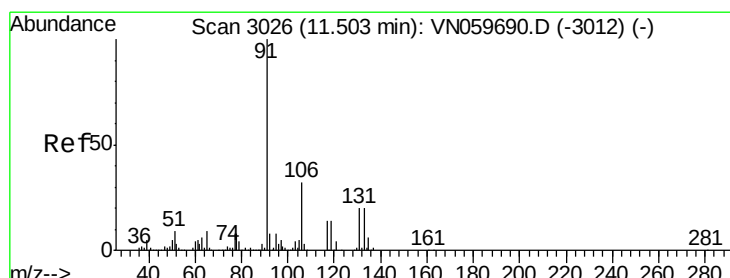
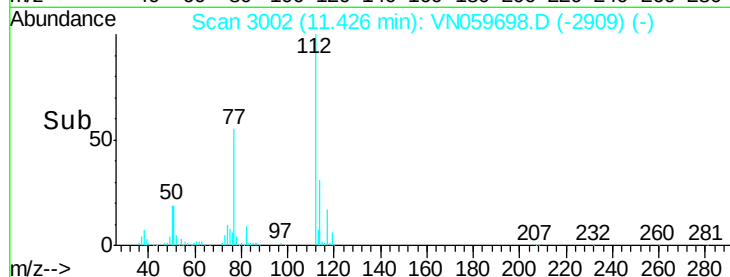
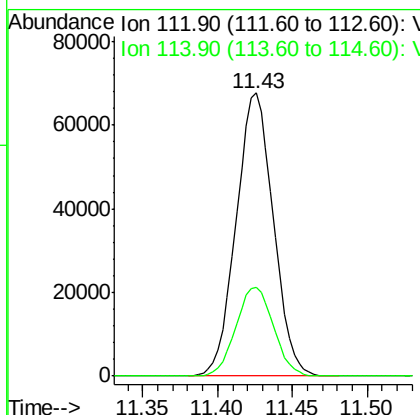
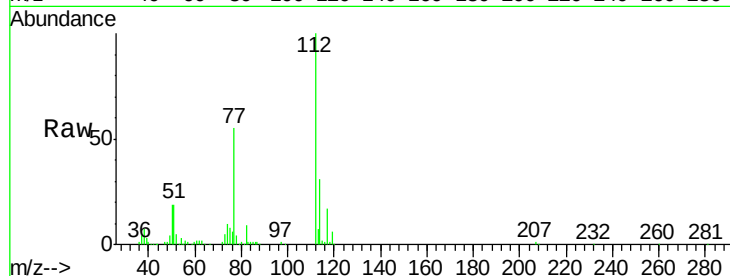
#65  
Chlorobenzene  
Concen: 21.002 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

Tot Ion:112 Resp: 117165  
Ion Ratio Lower Upper  
112 100  
114 31.3 25.8 38.8

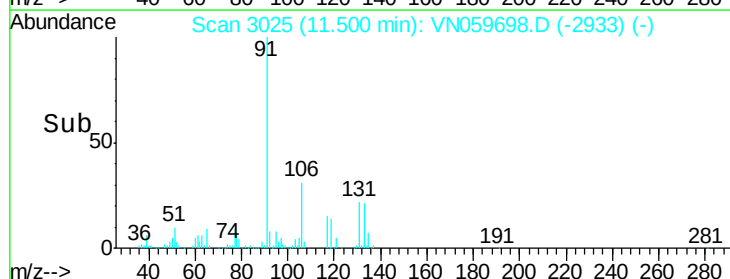
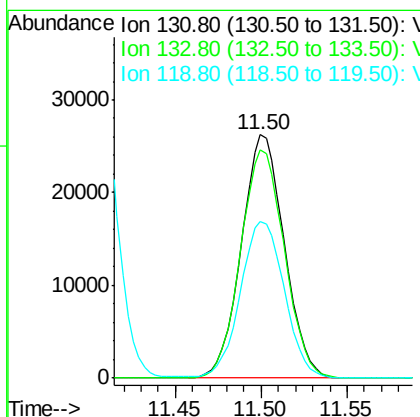
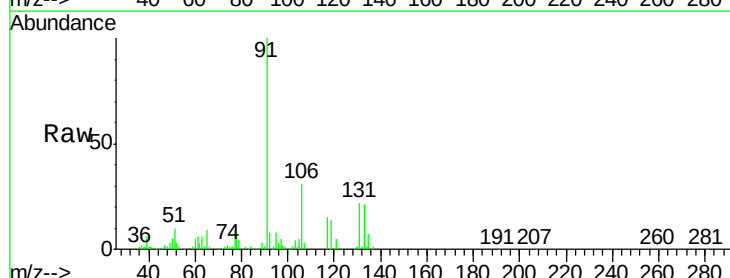
Manual Integrations  
APPROVED

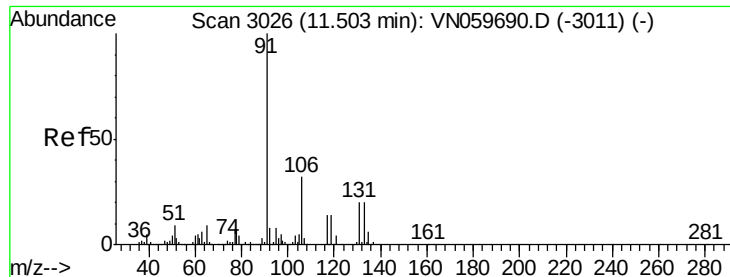
MMDadoda  
1/15/2020 10:55:10 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.095 ug/l  
RT: 11.50 min Scan# 3025  
Delta R.T. -0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Tgt Ion:131 Resp: 45472  
Ion Ratio Lower Upper  
131 100  
133 96.0 47.4 142.2  
119 66.0 33.1 99.3





#67

Ethyl Benzene

Concen: 20.872 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

ClientSampled :

VN0114WBS01

Tot Ion: 91 Resp: 211378

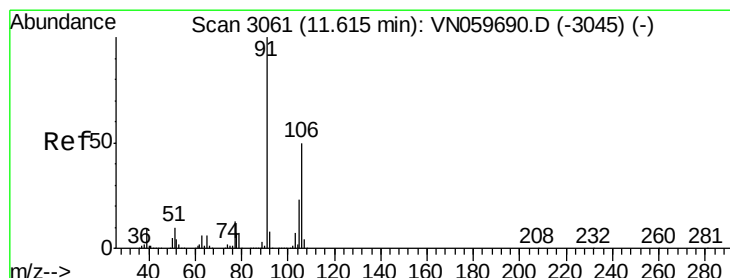
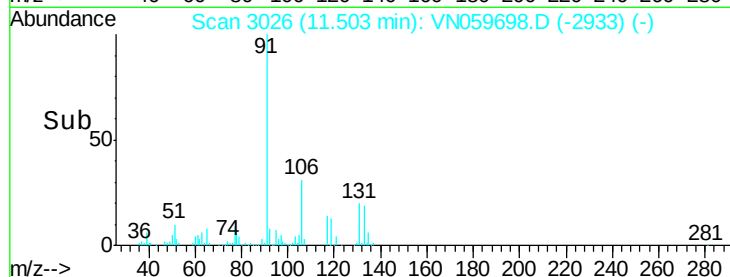
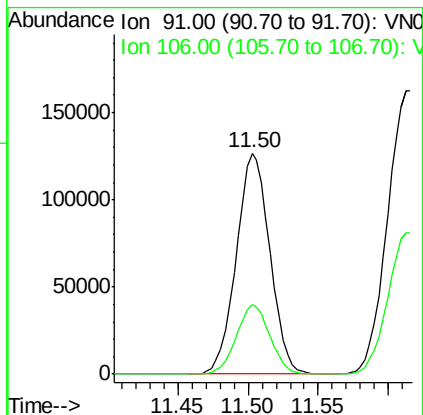
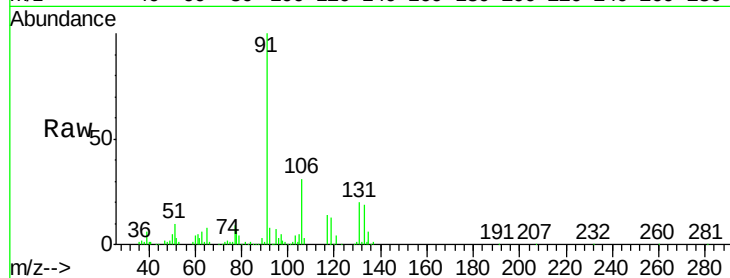
Ion Ratio Lower Upper

91 100

106 31.3 24.1 36.1

Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM



#68

m/p-Xylenes

Concen: 41.897 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN059698.D

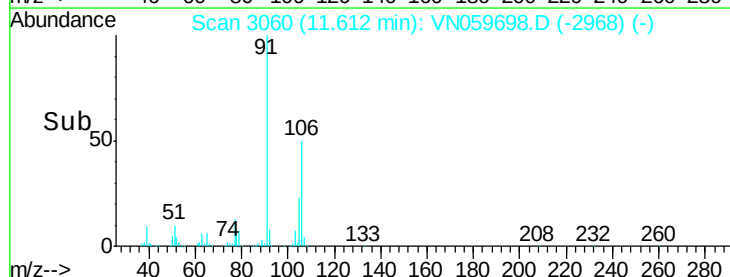
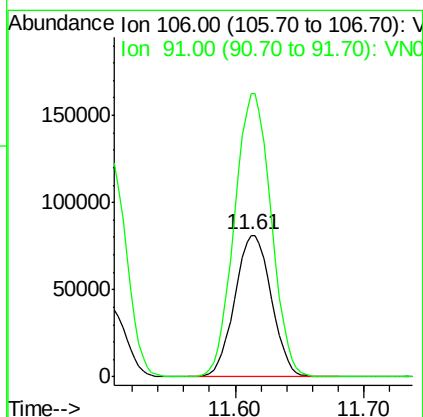
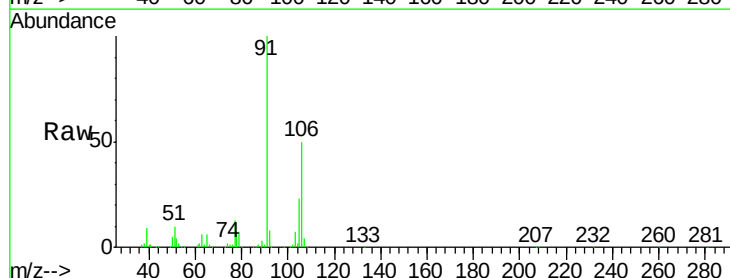
Acq: 14 Jan 2020 10:56

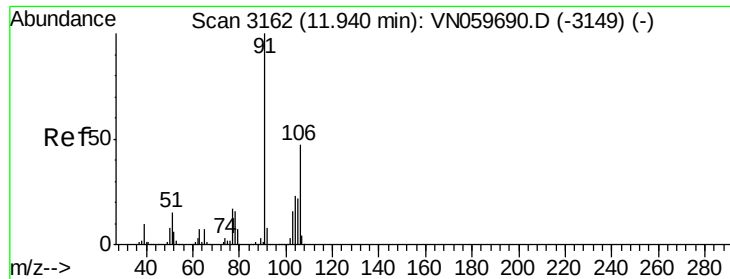
Tgt Ion: 106 Resp: 160274

Ion Ratio Lower Upper

106 100

91 200.2 167.9 251.9





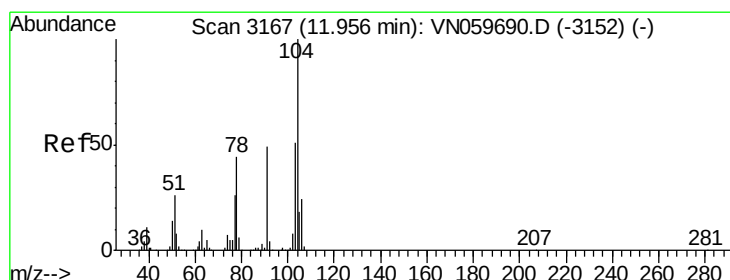
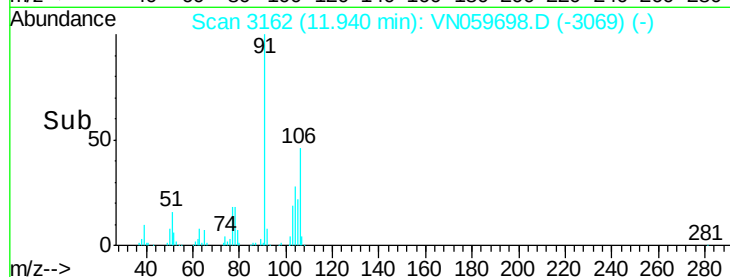
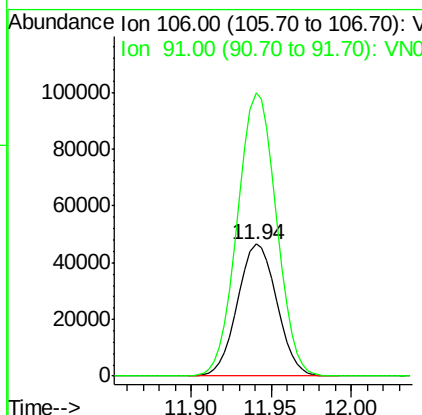
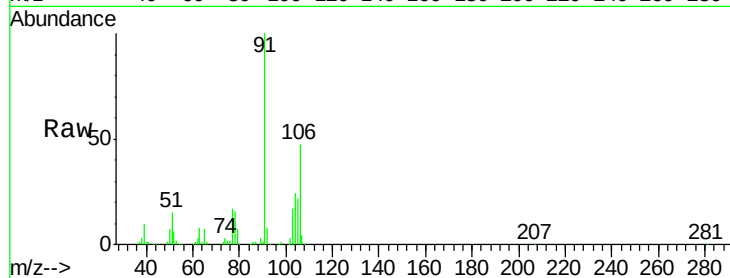
#69  
o-Xylene  
Concen: 20.836 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0114WBS01

Tot Ion:106 Resp: 78034  
Ion Ratio Lower Upper  
106 100  
91 212.5 110.3 330.9

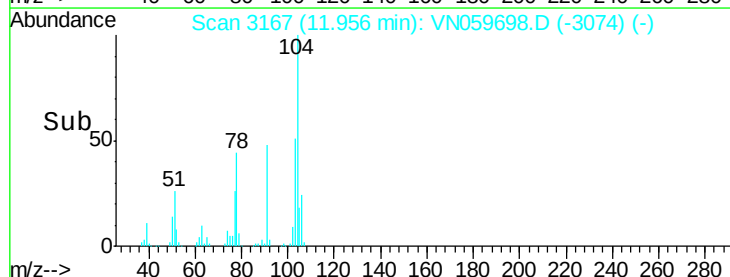
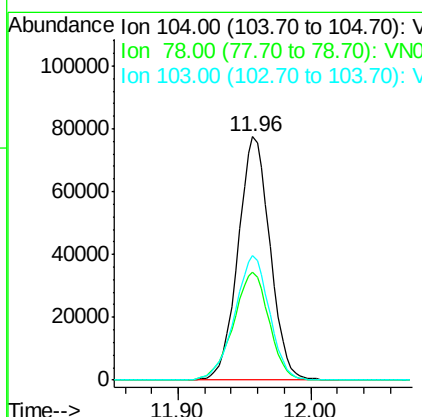
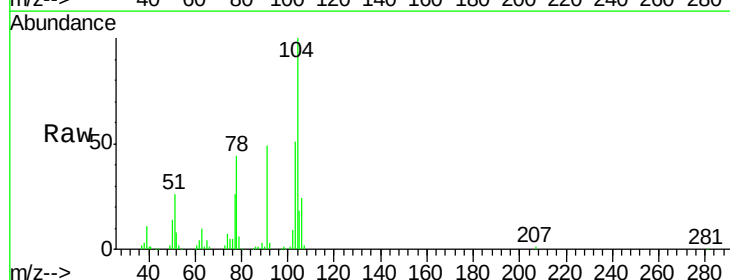
Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM

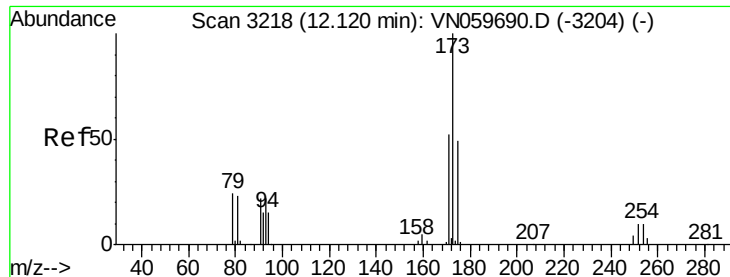


#70  
Styrene  
Concen: 20.741 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Tgt Ion:104 Resp: 129983  
Ion Ratio Lower Upper  
104 100  
78 49.1 42.4 63.6  
103 55.5 43.9 65.9







#71

Bromoform

Concen: 20.998 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0114WBS01

Tot Ion:173 Resp: 36256

Ion Ratio Lower Upper

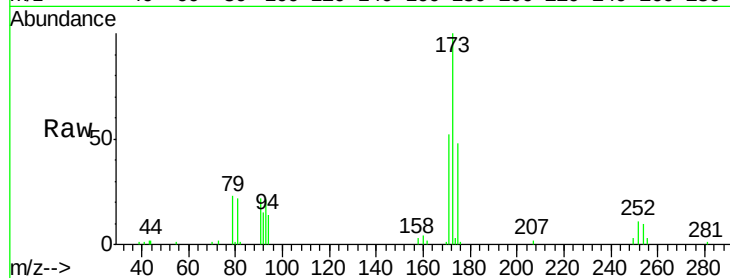
173 100

175 47.6 23.8 71.4

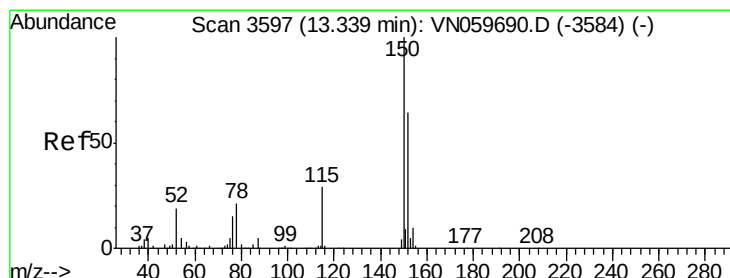
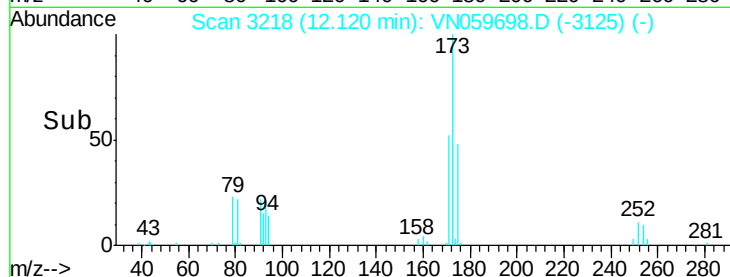
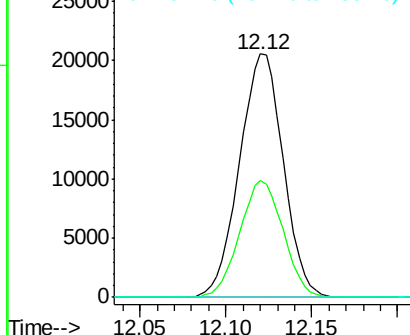
254 0.0 0.0 0.0

Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

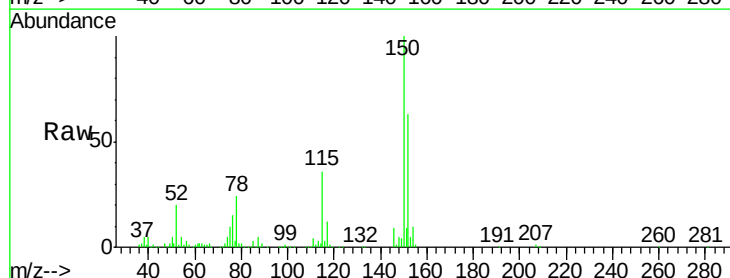
Tgt Ion:152 Resp: 134446

Ion Ratio Lower Upper

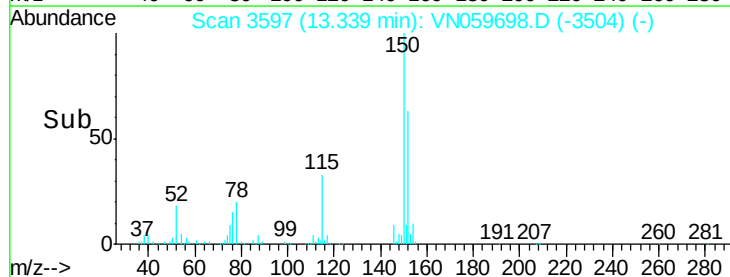
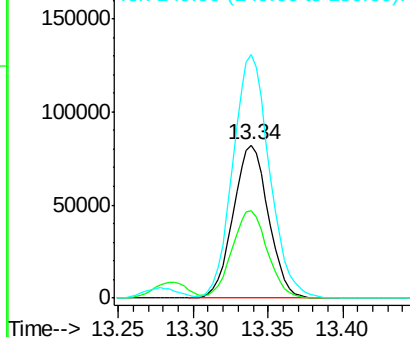
152 100

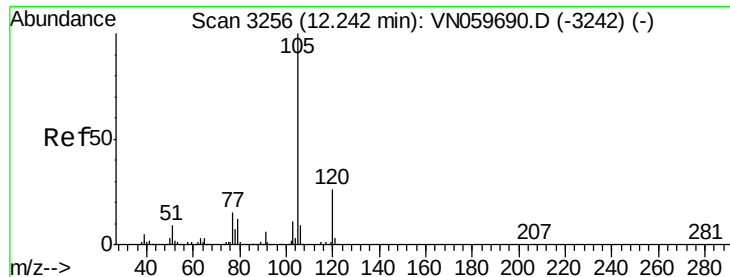
115 57.5 30.3 90.9

150 165.4 0.0 345.2



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





#73

Isopropylbenzene

Concen: 21.299 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

ClientSampled :

VN0114WBS01

Tot Ion: 105 Resp: 210012

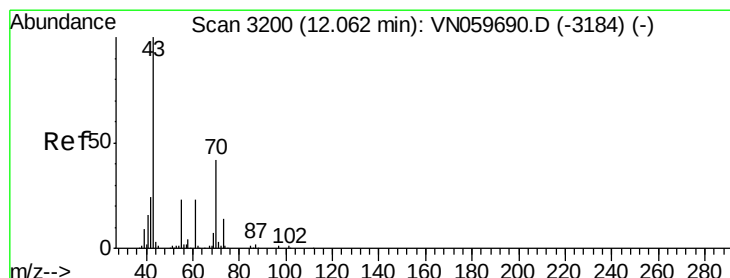
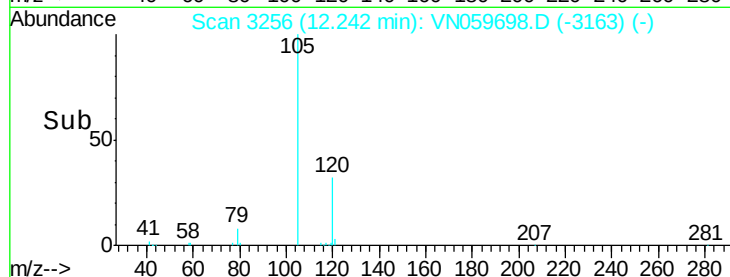
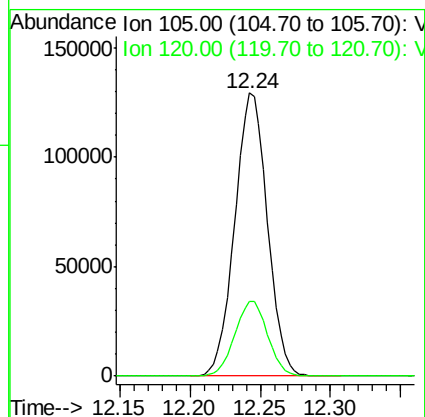
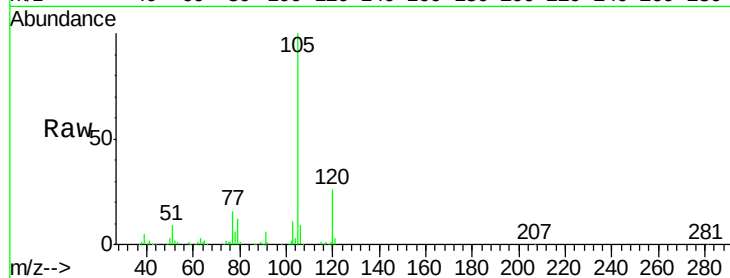
Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5

Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM



#74

N-ethyl acetate

Concen: 20.668 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Tgt Ion: 43 Resp: 79076

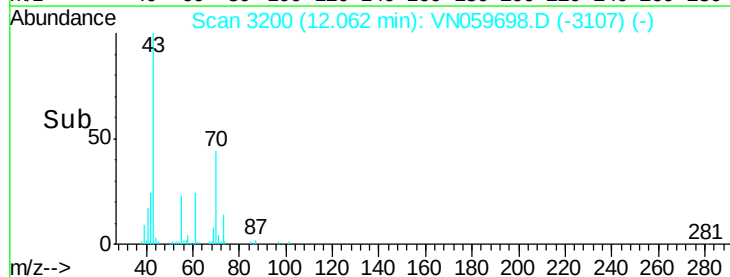
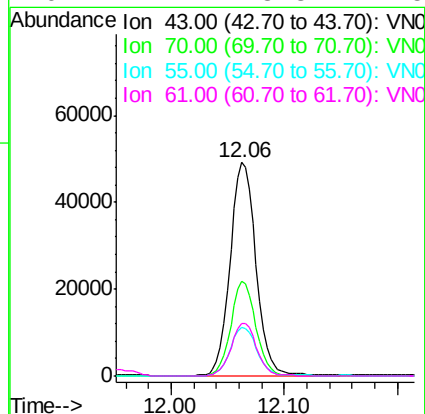
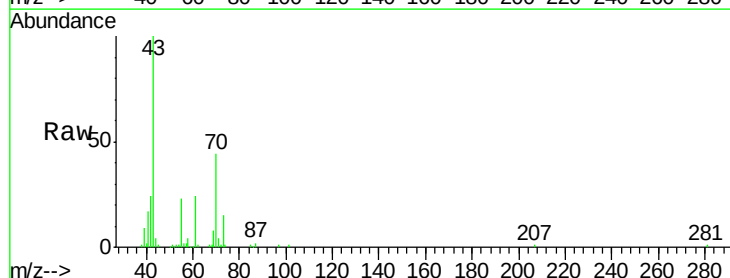
Ion Ratio Lower Upper

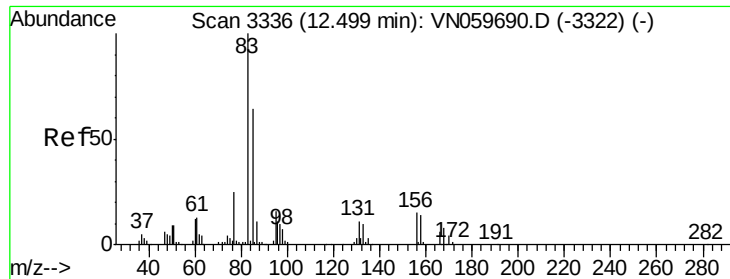
43 100

70 42.4 31.3 46.9

55 23.6 19.8 29.6

61 24.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.526 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

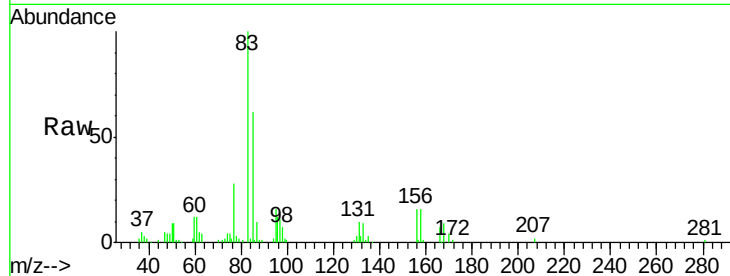
ClientSampleId :

VN0114WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 61532 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.3  | 5.0   | 14.9  |
| 85        | 63.1  | 31.9  | 95.5  |

Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM



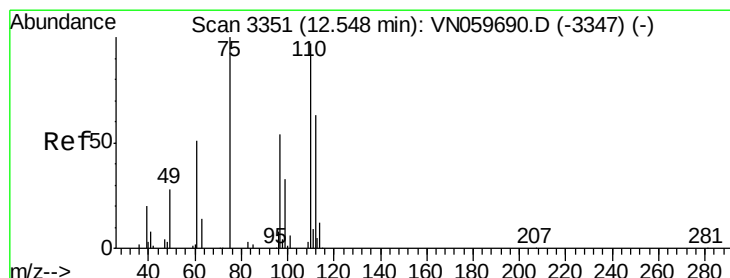
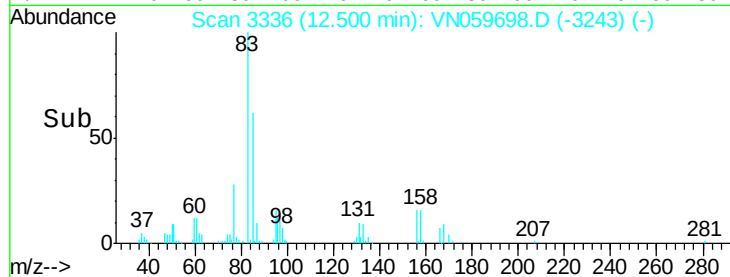
Abundance Ion 82.90 (82.60 to 83.60): VN059698.D (-3336) (-)

Ion 130.80 (130.50 to 131.50): VN059698.D (-3336) (-)

Ion 84.90 (84.60 to 85.60): VN059698.D (-3336) (-)

Time-->

12.50



#76

1,2,3-Trichloropropane

Concen: 25.857 ug/l m

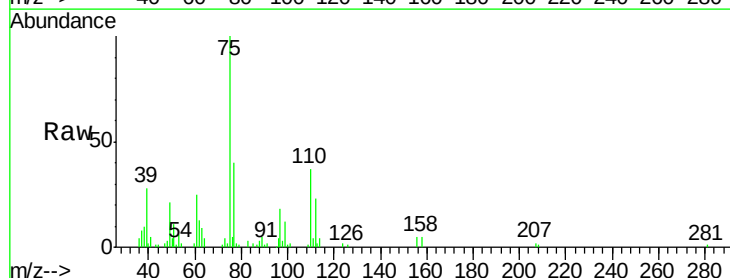
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 58503 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |

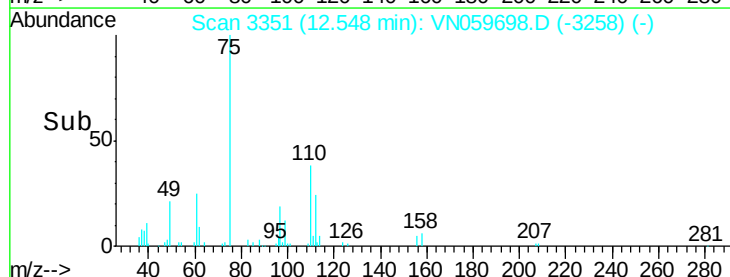


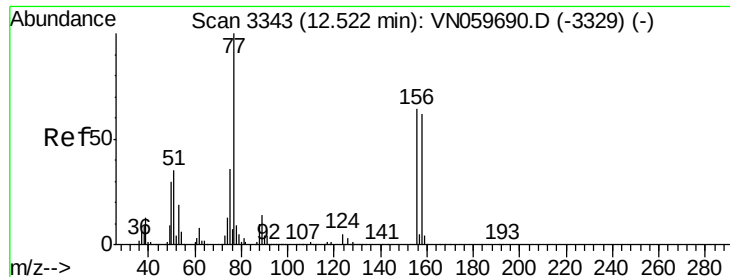
Abundance Ion 74.90 (74.60 to 75.60): VN059698.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN059698.D (-3351) (-)

Time-->

12.55





#77

Bromobenzene

Concen: 21.193 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

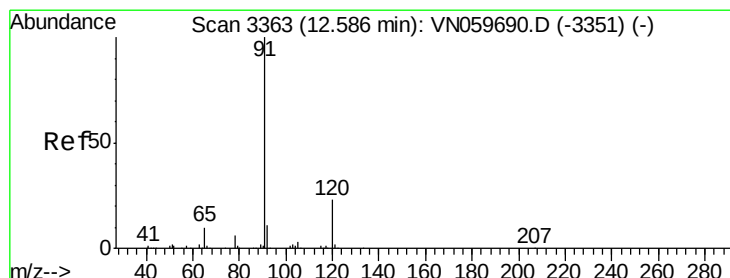
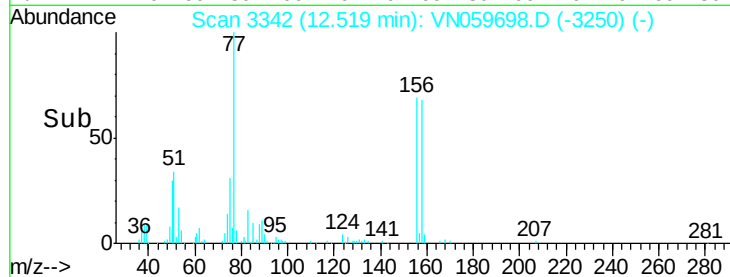
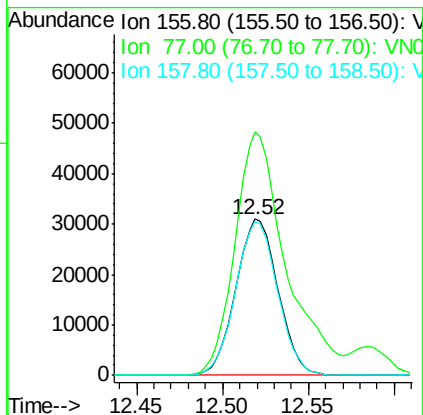
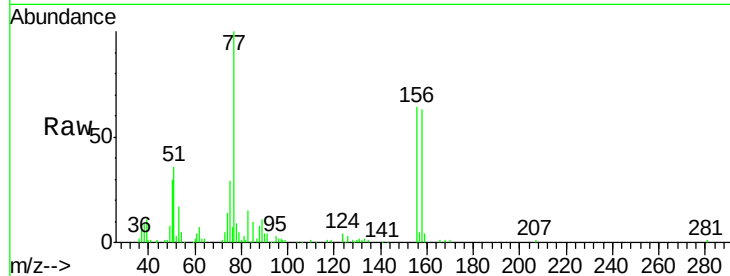
ClientSampleId :

VN0114WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 52918 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 188.8 | 115.8 | 347.4 |
| 158       | 98.3  | 49.2  | 147.6 |

Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM



#78

n-propylbenzene

Concen: 20.893 ug/l

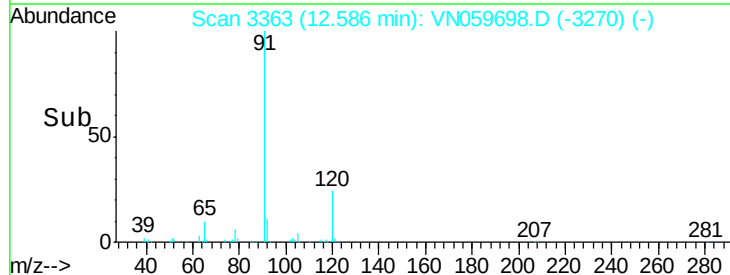
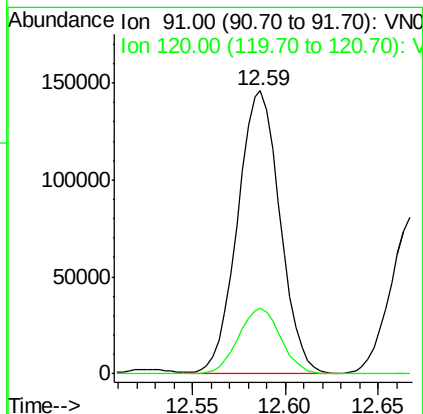
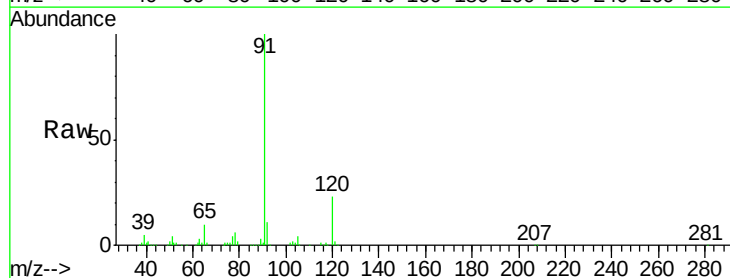
RT: 12.59 min Scan# 3363

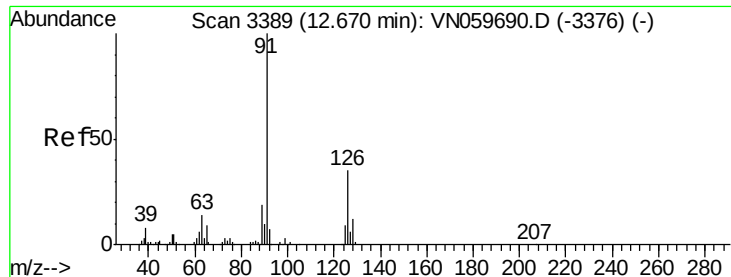
Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 231220 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.3  | 11.1  | 33.3   |





#79

2-Chlorotoluene

Concen: 20.714 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0114WBS01

Tot Ion: 91 Resp: 136380

Ion Ratio Lower Upper

91 100

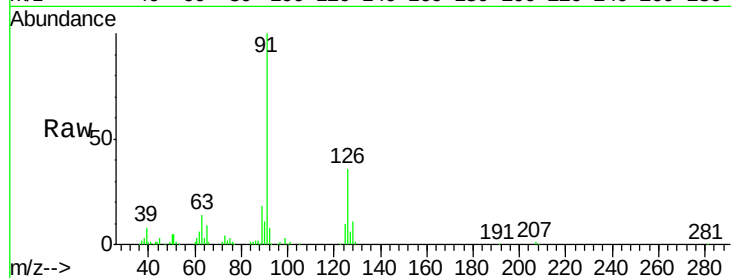
126 35.3 16.3 48.9

Manual Integrations

APPROVED

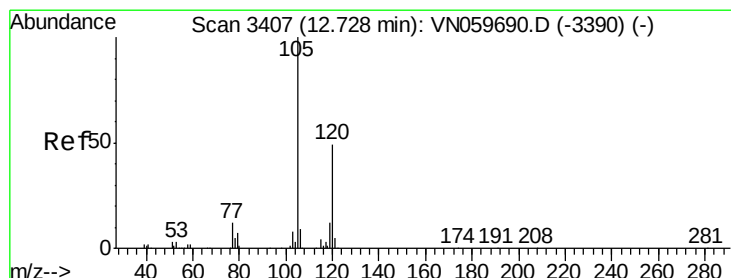
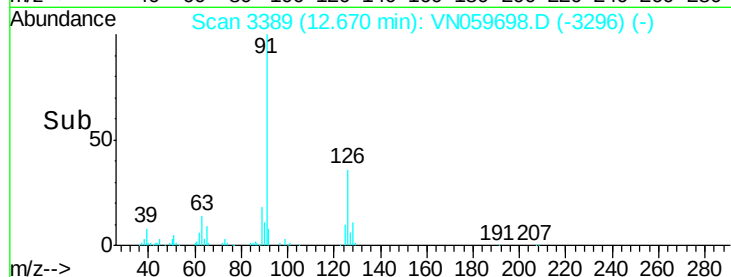
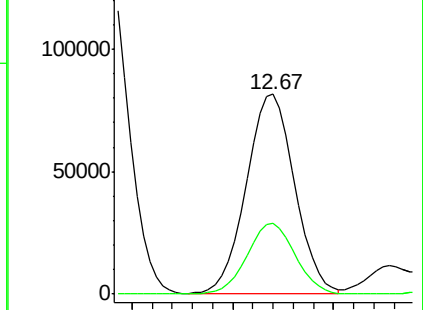
MMDadoda

1/15/2020 10:55:10 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059698.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN059698.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.413 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059698.D

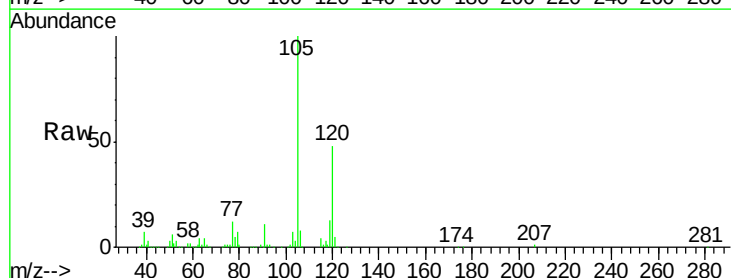
Acq: 14 Jan 2020 10:56

Tgt Ion: 105 Resp: 177566

Ion Ratio Lower Upper

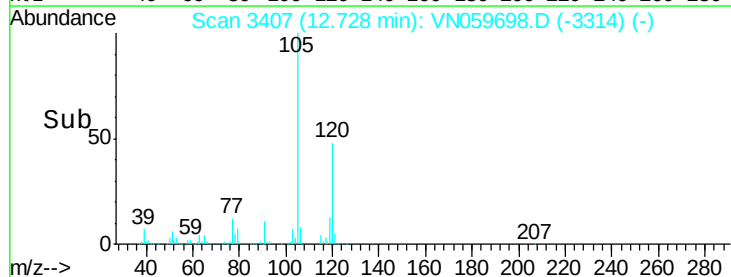
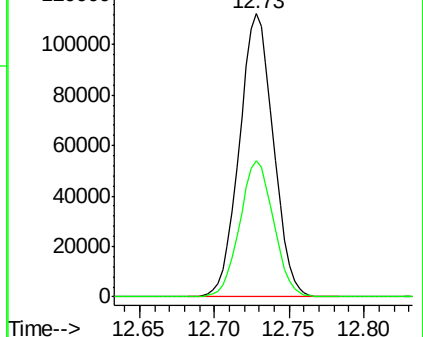
105 100

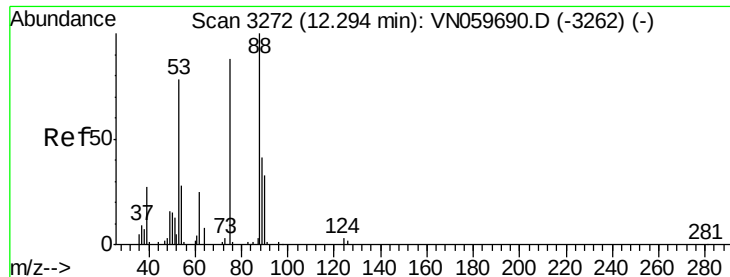
120 47.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059698.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059698.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.523 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0114WBS01

Tot Ion: 75 Resp: 21623

Ion Ratio Lower Upper

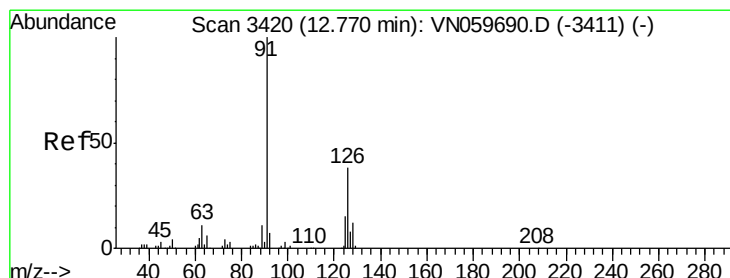
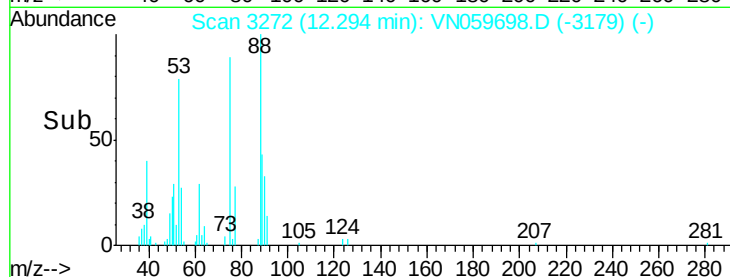
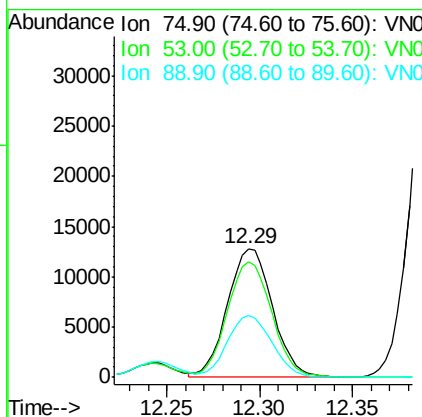
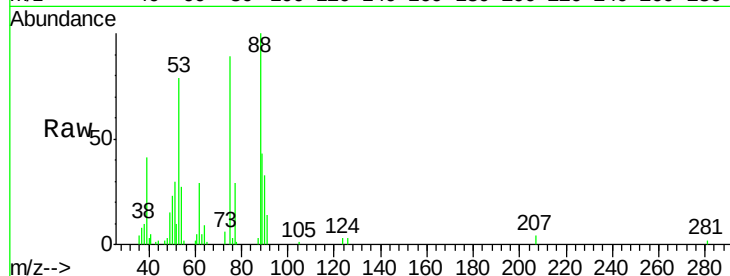
75 100

53 88.8 78.1 117.1

89 47.8 35.4 53.2

Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM



#82

4-Chlorotoluene

Concen: 21.008 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN059698.D

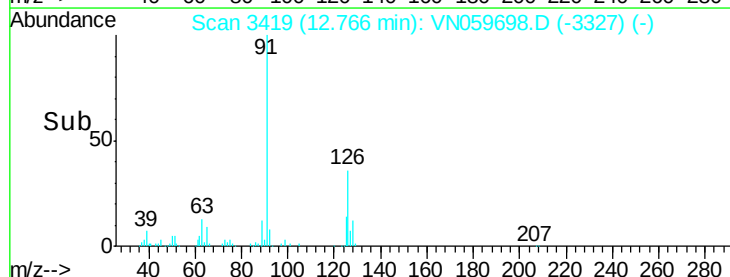
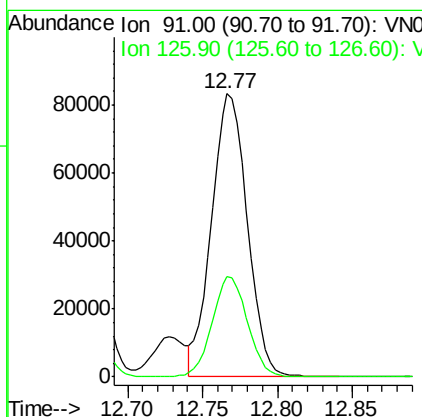
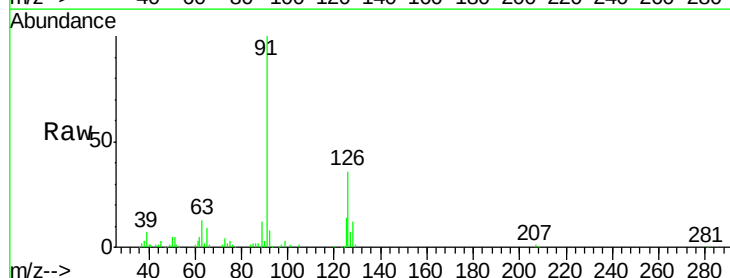
Acq: 14 Jan 2020 10:56

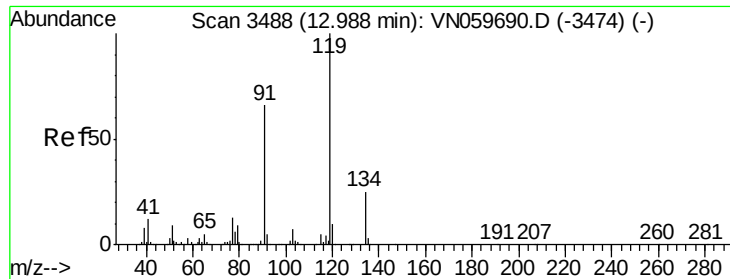
Tgt Ion: 91 Resp: 138730

Ion Ratio Lower Upper

91 100

126 34.9 16.3 48.8





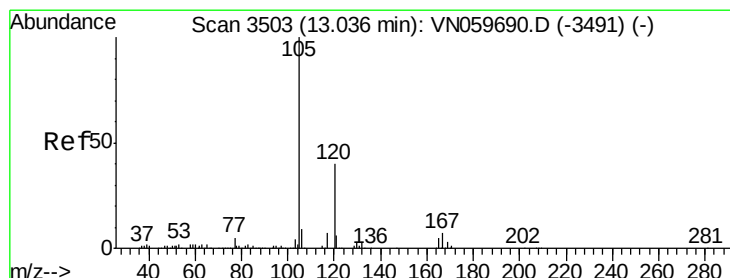
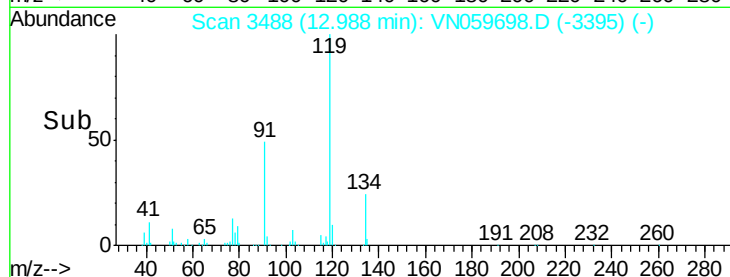
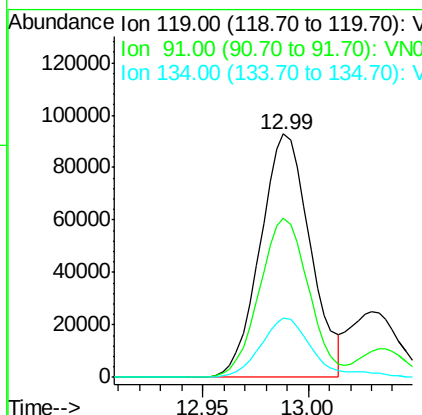
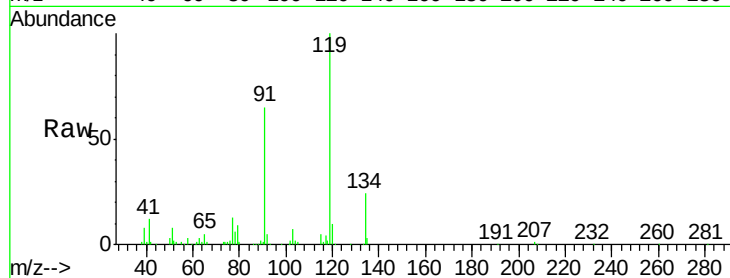
#83  
 tert-Butylbenzene  
 Concen: 21.359 ug/l  
 RT: 12.99 min Scan# 3488  
 Delta R.T. 0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0114WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 64.6  | 34.8  | 104.4 |
| 134     | 25.5  | 12.3  | 36.9  |

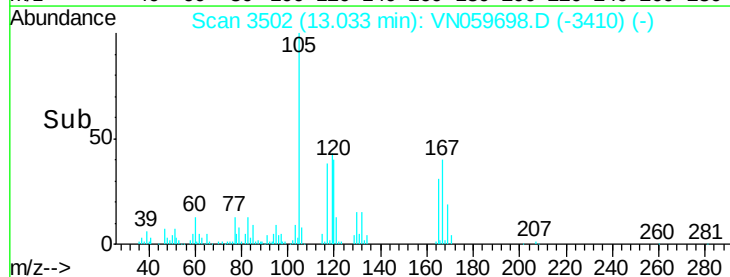
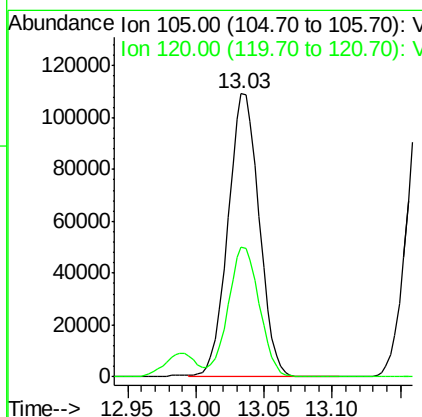
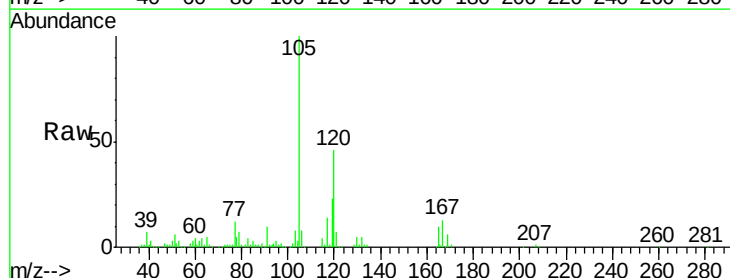
Manual Integrations  
 APPROVED

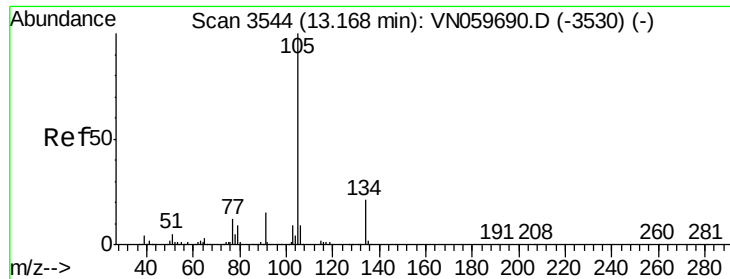
MMDadoda  
 1/15/2020 10:55:10 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.141 ug/l  
 RT: 13.03 min Scan# 3502  
 Delta R.T. -0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.9  | 22.3  | 66.9  |





#85

sec-Butylbenzene

Concen: 20.897 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA\_N

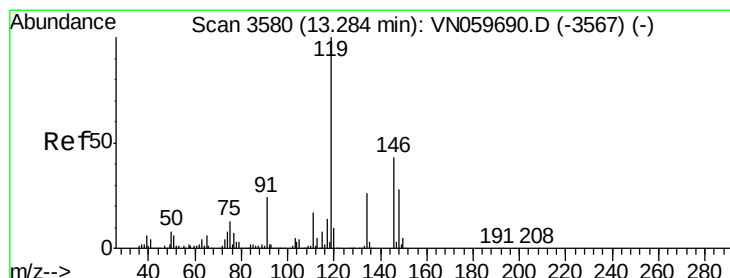
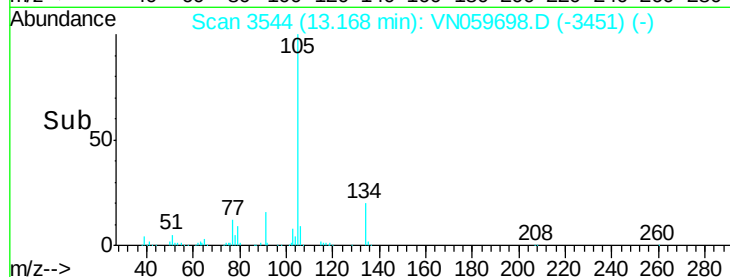
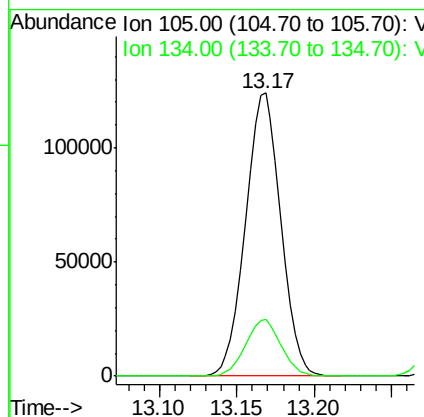
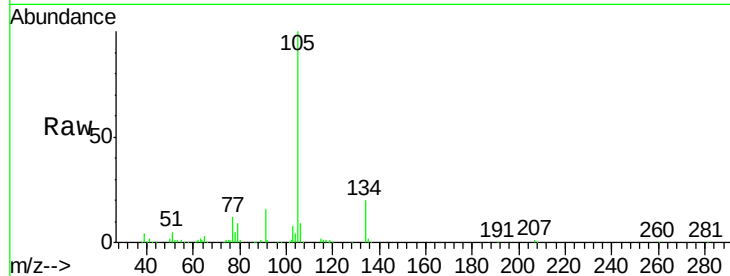
ClientSampleId :

VN0114WBS01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 105  | Resp: | 196904 |
| Ion Ratio |      | Lower | Upper  |
| 105       | 100  |       |        |
| 134       | 20.0 | 9.8   | 29.5   |

Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM



#86

p-Isopropyltoluene

Concen: 20.940 ug/l

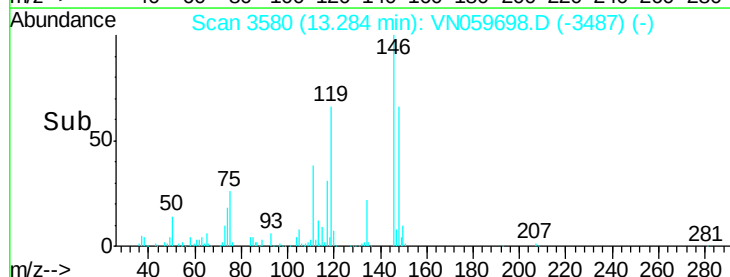
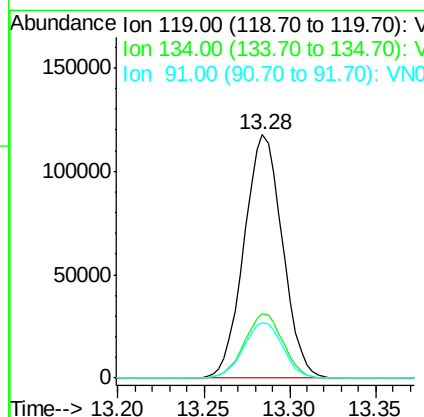
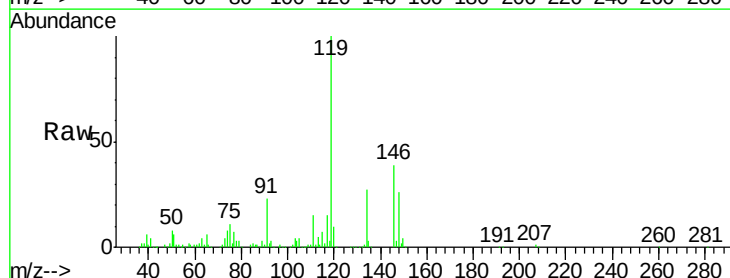
RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

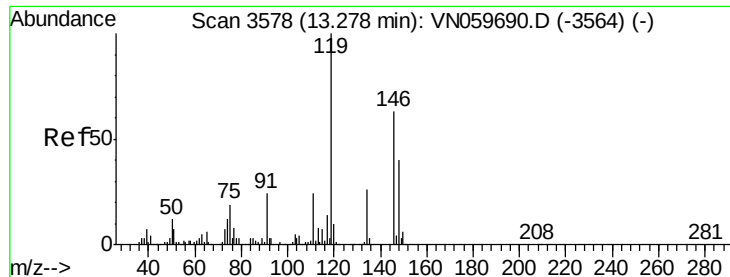
Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 119  | Resp: | 182571 |
| Ion Ratio |      | Lower | Upper  |
| 119       | 100  |       |        |
| 134       | 26.6 | 12.9  | 38.7   |
| 91        | 23.2 | 12.4  | 37.4   |







#87

1,3-Dichlorobenzene

Concen: 20.854 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059698.D

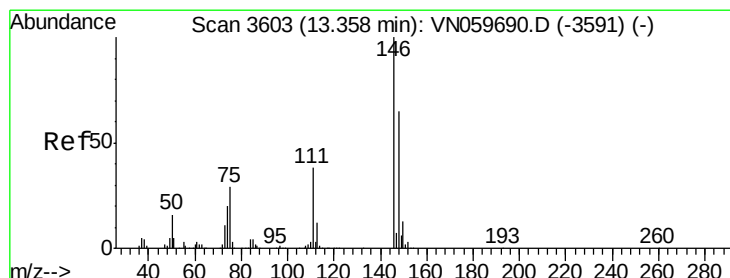
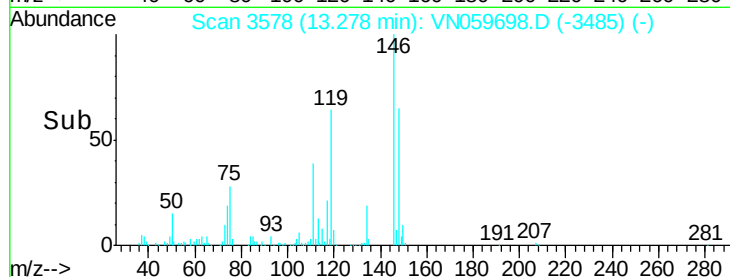
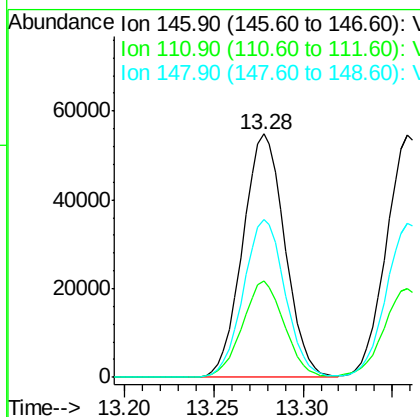
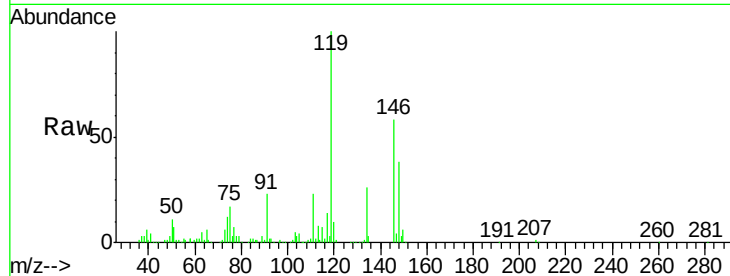
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 20.8  | 62.2  |
| 148     | 64.1  | 32.0  | 96.0  |

Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM



#88

1,4-Dichlorobenzene

Concen: 21.161 ug/l

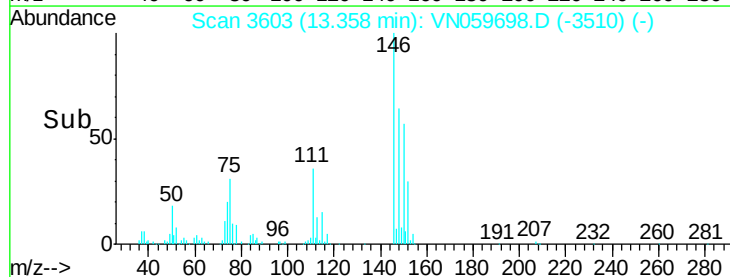
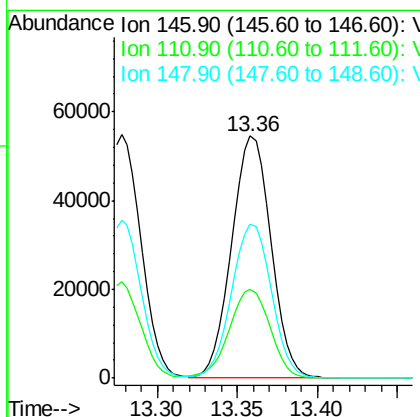
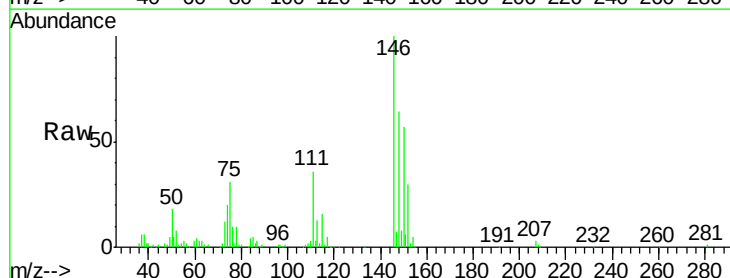
RT: 13.36 min Scan# 3603

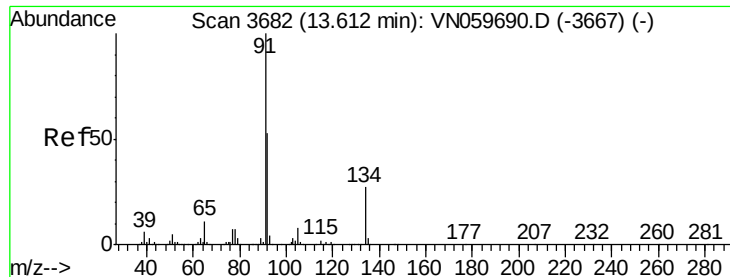
Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 20.8  | 62.2  |
| 148     | 64.5  | 31.8  | 95.4  |





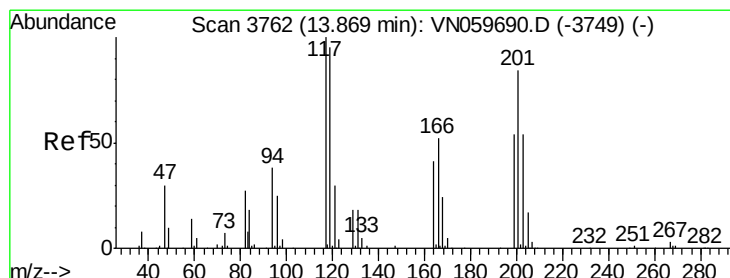
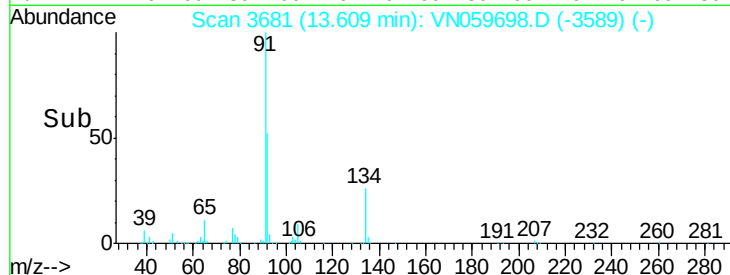
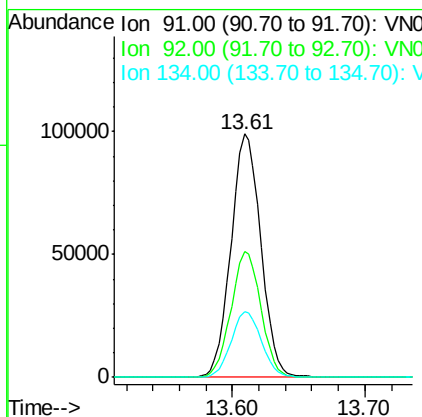
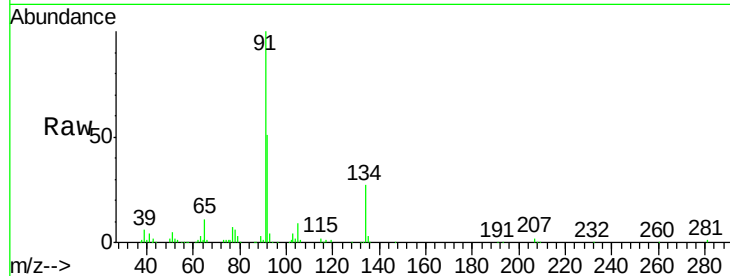
#89  
n-Butylbenzene  
Concen: 20.891 ug/l  
RT: 13.61 min Scan# 3681  
Delta R.T. -0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.5  | 25.9  | 77.7  |
| 134     | 27.4  | 12.3  | 36.8  |

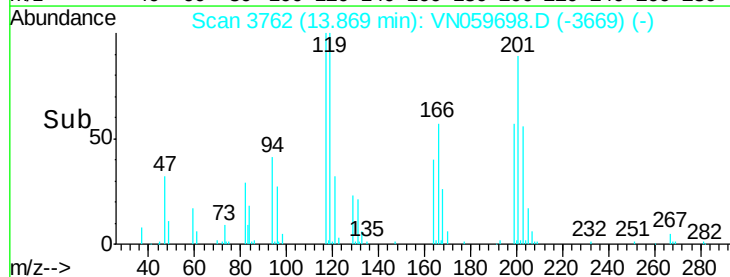
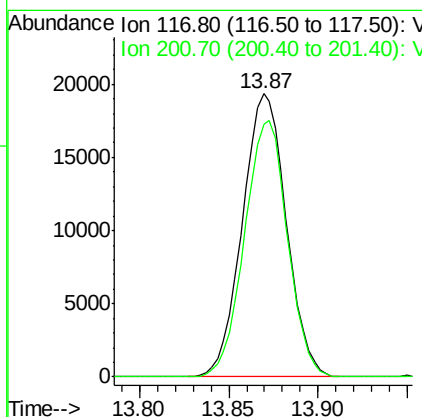
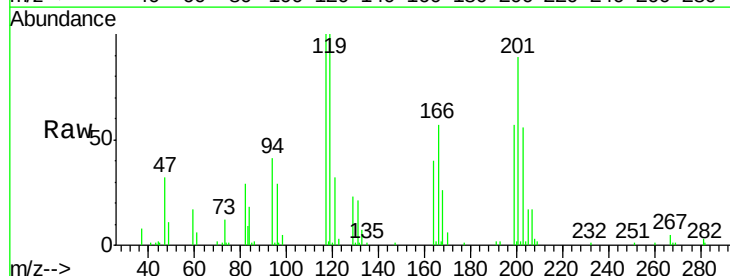
Manual Integrations  
APPROVED

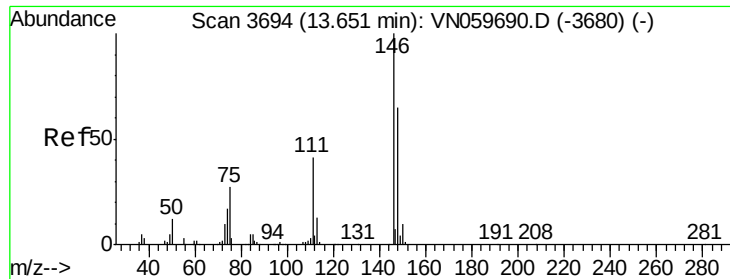
MMDadoda  
1/15/2020 10:55:10 AM



#90  
Hexachloroethane  
Concen: 20.343 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 88.4  | 37.8  | 113.4 |





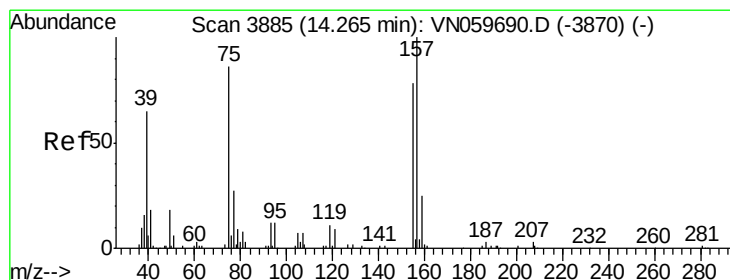
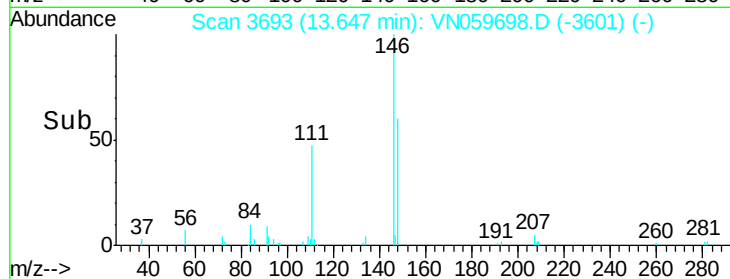
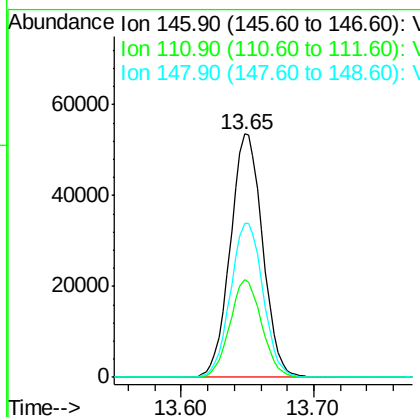
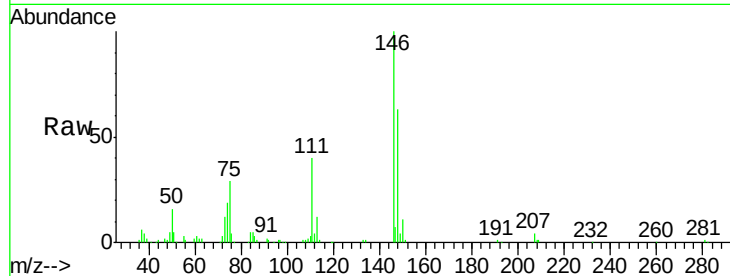
#91  
 1,2-Dichlorobenzene  
 Concen: 21.137 ug/l  
 RT: 13.65 min Scan# 3693  
 Delta R.T. -0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0114WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.6  | 21.6  | 64.8  |
| 148     | 63.8  | 31.6  | 95.0  |

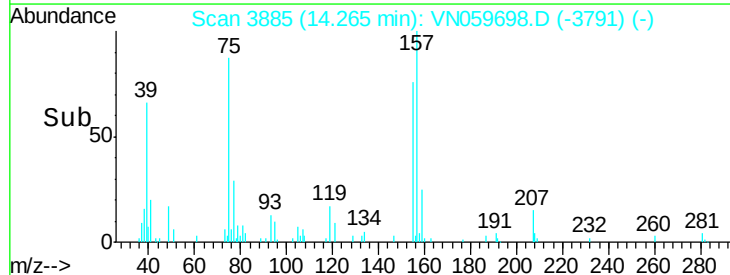
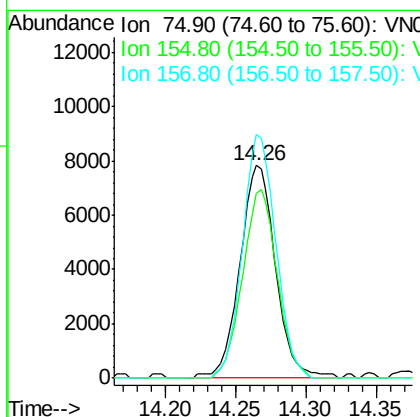
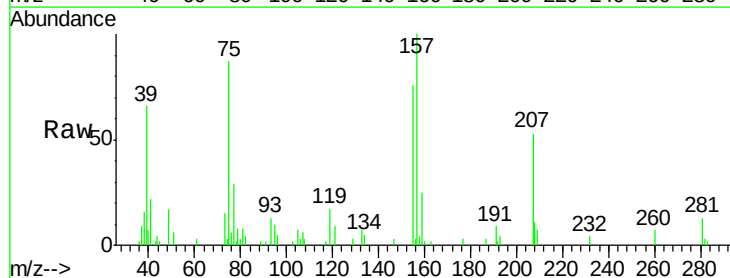
Manual Integrations  
 APPROVED

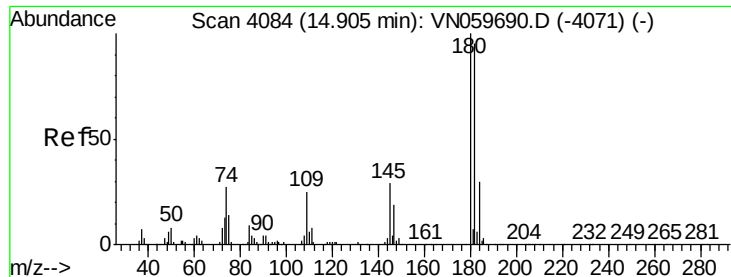
MMDadoda  
 1/15/2020 10:55:10 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.431 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. 0.00 min  
 Lab File: VN059698.D  
 Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 85.6  | 37.0  | 110.9 |
| 157     | 107.2 | 48.4  | 145.2 |





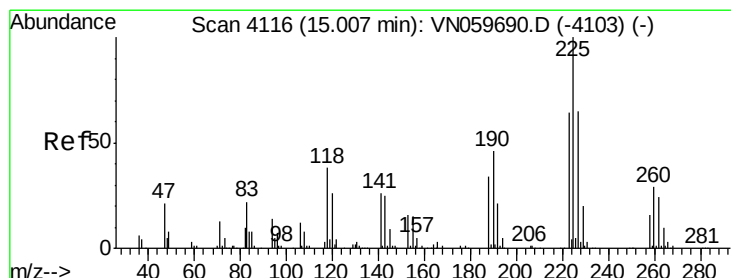
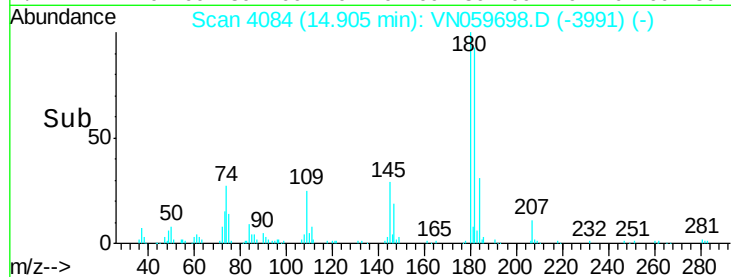
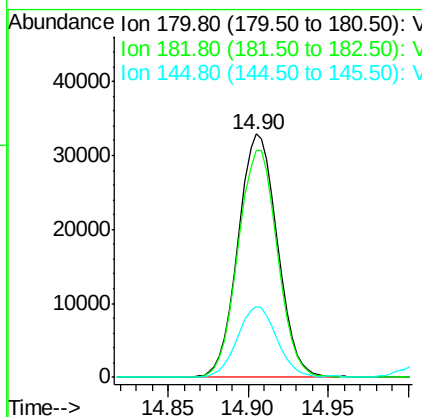
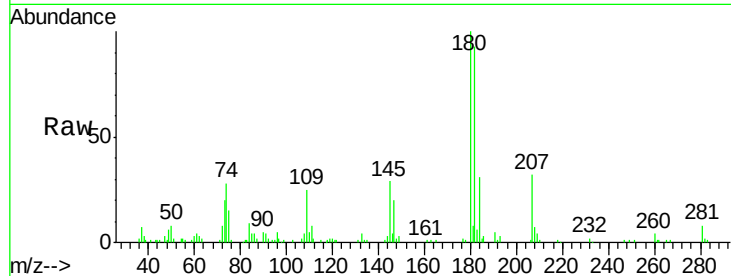
#93  
1,2,4-Trichlorobenzene  
Concen: 21.354 ug/l  
RT: 14.90 min Scan# 4084  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0114WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.6  | 46.9  | 140.7 |
| 145     | 29.1  | 15.0  | 45.1  |

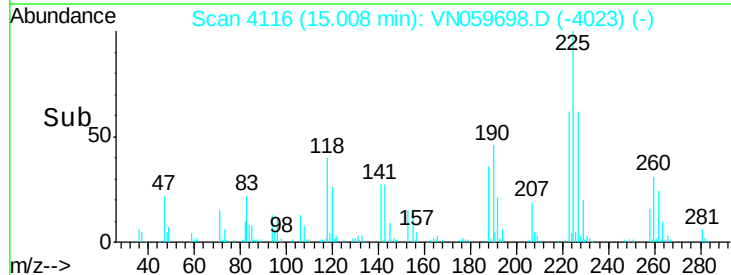
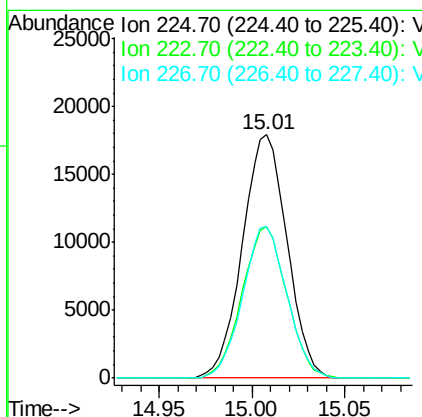
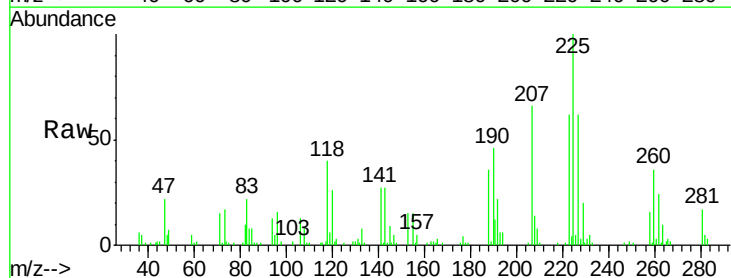
Manual Integrations  
APPROVED

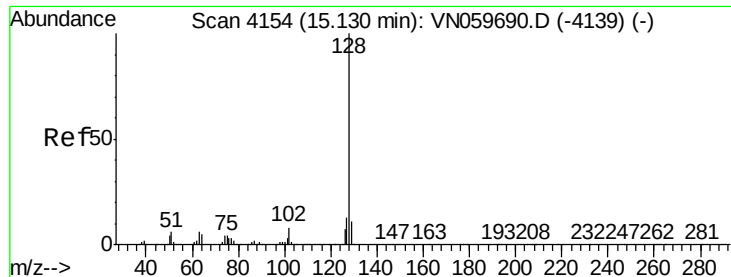
MMDadoda  
1/15/2020 10:55:10 AM



#94  
Hexachlorobutadiene  
Concen: 21.093 ug/l  
RT: 15.01 min Scan# 4116  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.3  | 31.8  | 95.3  |
| 227     | 61.6  | 32.1  | 96.5  |





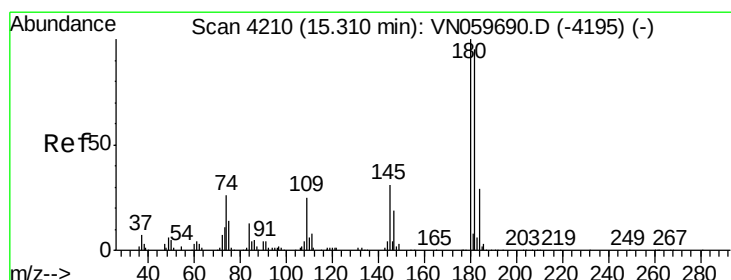
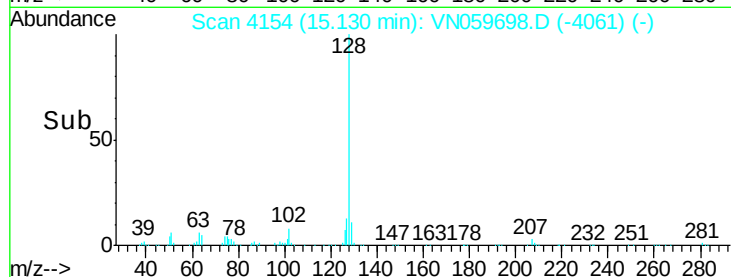
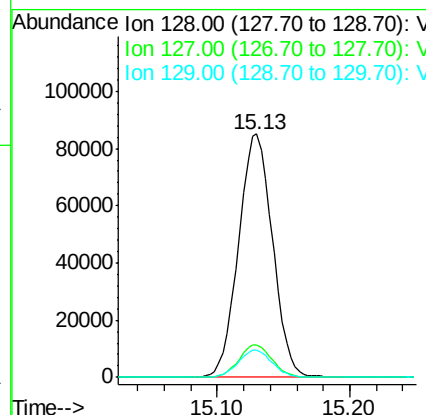
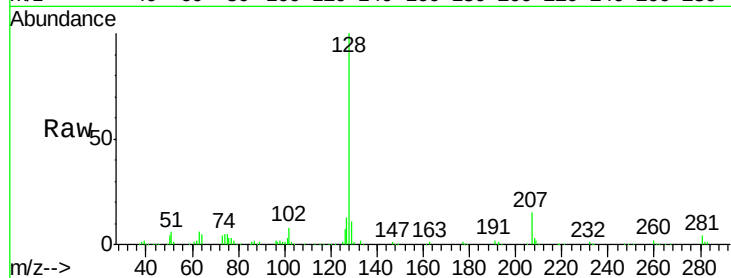
#95  
Naphthalene  
Concen: 20.693 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0114WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.4  | 15.6  |
| 129     | 11.0  | 8.6   | 12.8  |

Manual Integrations  
APPROVED

MMDadoda  
1/15/2020 10:55:10 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 20.862 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. 0.00 min  
Lab File: VN059698.D  
Acq: 14 Jan 2020 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.8  | 47.4  | 142.3 |
| 145     | 32.6  | 16.3  | 48.9  |

