

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\  
 Data File : VN060113.D  
 Acq On : 17 Feb 2020 12:51  
 Operator : JC/MD  
 Sample : VN0217WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0217WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 2/18/2020 9:26:50 AM

Quant Time: Feb 17 14:25:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 206233   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 333233   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 309126   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 146711   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 133068   | 53.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.06% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 100926   | 49.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.54%  |      |
| 50) Toluene-d8            | 10.08  | 98  | 400304   | 49.63 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.26%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 145096   | 48.95 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.90%  |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 39795  | 19.305  | ug/l | 99     |
| 3) Chloromethane              | 2.04 | 50  | 50857  | 20.731  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 56188  | 20.094  | ug/l | 99     |
| 5) Bromomethane               | 2.55 | 94  | 33213  | 19.371  | ug/l | 98     |
| 6) Chloroethane               | 2.69 | 64  | 28022  | 19.813  | ug/l | 94     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 68097  | 18.889  | ug/l | 95     |
| 8) Diethyl Ether              | 3.39 | 74  | 24284  | 20.235  | ug/l | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 38883  | 19.426  | ug/l | 97     |
| 10) Methyl Iodide             | 3.93 | 142 | 48660  | 19.679  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.73 | 59  | 44452  | 118.370 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 38211  | 19.597  | ug/l | 96     |
| 13) Acrolein                  | 3.58 | 56  | 34252  | 92.275  | ug/l | 96     |
| 14) Allyl chloride            | 4.30 | 41  | 61654  | 21.483  | ug/l | 92     |
| 15) Acrylonitrile             | 4.95 | 53  | 103161 | 112.485 | ug/l | 100    |
| 16) Acetone                   | 3.78 | 43  | 116601 | 106.521 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.03 | 76  | 110283 | 18.765  | ug/l | 99     |
| 18) Methyl Acetate            | 4.29 | 43  | 48012  | 23.349  | ug/l | 96     |
| 19) Methyl tert-butyl Ether   | 5.01 | 73  | 131502 | 20.055  | ug/l | 100    |
| 20) Methylene Chloride        | 4.52 | 84  | 43390  | 19.868  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 40638  | 19.119  | ug/l | 95     |
| 22) Diisopropyl ether         | 5.92 | 45  | 132405 | 21.051  | ug/l | 97     |
| 23) Vinyl Acetate             | 5.86 | 43  | 565650 | 107.093 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 76536  | 20.087  | ug/l | 99     |
| 25) 2-Butanone                | 6.80 | 43  | 152514 | 110.783 | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 71163  | 19.664  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 47780  | 19.208  | ug/l | 96     |
| 28) Bromochloromethane        | 7.17 | 49  | 33456  | 22.335  | ug/l | 95     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 97394  | 115.317 | ug/l | 96     |
| 30) Chloroform                | 7.35 | 83  | 78560  | 19.683  | ug/l | 98     |
| 31) Cyclohexane               | 7.63 | 56  | 73392  | 20.678  | ug/l | 94     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 70842  | 19.423  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 58241  | 18.869  | ug/l | 98     |
| 37) Ethyl Acetate             | 6.90 | 43  | 63241  | 22.671  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 61814  | 18.440  | ug/l | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\  
 Data File : VN060113.D  
 Acq On : 17 Feb 2020 12:51  
 Operator : JC/MD  
 Sample : VN0217WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0217WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 2/18/2020 9:26:50 AM

Quant Time: Feb 17 14:25:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 71354    | 18.623  | ug/l   | 97       |
| 40) Benzene                    | 8.02  | 78   | 173513   | 18.951  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.15  | 41   | 25153m   | 21.501  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 62280    | 19.408  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.14  | 43   | 102314   | 21.456  | ug/l   | 97       |
| 44) Trichloroethene            | 8.82  | 130  | 46083    | 18.177  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 46312    | 20.431  | ug/l   | 98       |
| 46) Dibromomethane             | 9.19  | 93   | 30325    | 18.931  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.39  | 83   | 61015    | 18.735  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.18  | 41   | 42363    | 19.801  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 17458    | 477.588 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 302171   | 109.480 | ug/l   | 98       |
| 52) Toluene                    | 10.14 | 92   | 108814   | 18.533  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 70895    | 19.286  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 74773    | 19.317  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 42619    | 18.606  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 63332    | 19.545  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 71882    | 19.019  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 160329   | 106.210 | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.74 | 43   | 229679   | 107.725 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.89 | 129  | 47820    | 18.193  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 44957    | 18.723  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.62 | 164  | 41869    | 17.817  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 115574   | 18.351  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 43769    | 18.371  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.50 | 91   | 212307   | 18.691  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 157030   | 36.834  | ug/l   | 98       |
| 69) o-Xylene                   | 11.94 | 106  | 75601    | 18.418  | ug/l   | 97       |
| 70) Styrene                    | 11.96 | 104  | 120753   | 18.243  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 34631    | 18.072  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 207324   | 18.924  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.06 | 43   | 83906    | 21.239  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 63880    | 20.257  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 58500m   | 20.842  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 49910    | 18.357  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.59 | 91   | 234663   | 18.800  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 140383   | 19.135  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 171747   | 18.854  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 22860    | 19.941  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 141105   | 18.746  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 147953   | 18.361  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 171614   | 19.086  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 198342   | 18.586  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 177314   | 18.338  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 87315    | 18.143  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 87838    | 18.255  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.61 | 91   | 156333   | 18.383  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 33059    | 18.302  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 84685    | 17.980  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 13859    | 20.210  | ug/l   | 92       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\  
Data File : VN060113.D  
Acq On : 17 Feb 2020 12:51  
Operator : JC/MD  
Sample : VN0217WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM

Quant Time: Feb 17 14:25:56 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 49203    | 17.779 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 27694    | 17.094 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 140877   | 18.845 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 48293    | 17.523 | ug/l  | 97       |

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

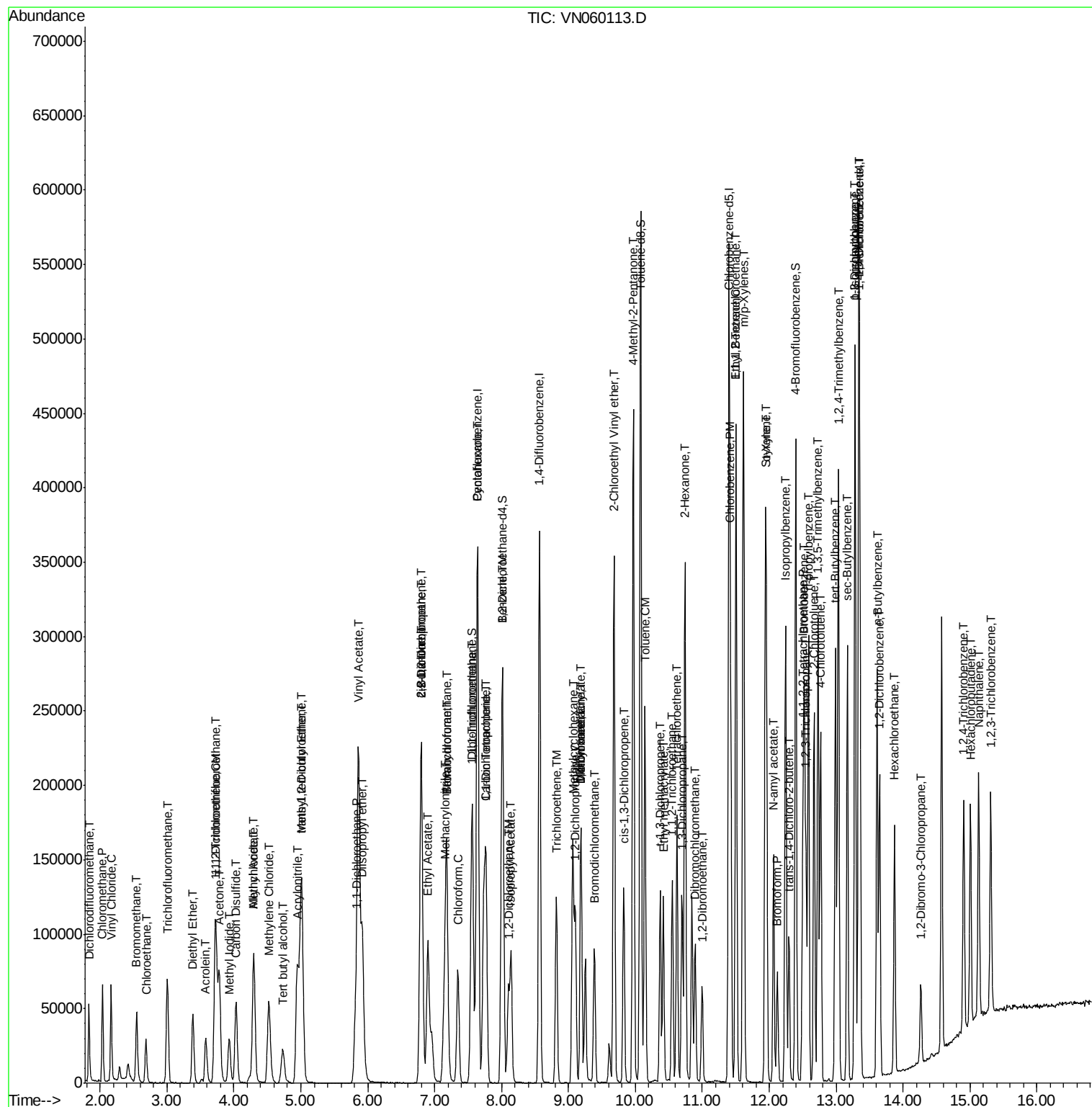
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021720\  
Data File : VN060113.D  
Acq On : 17 Feb 2020 12:51  
Operator : JC/MD  
Sample : VN0217WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 5 Sample Multiplier: 1

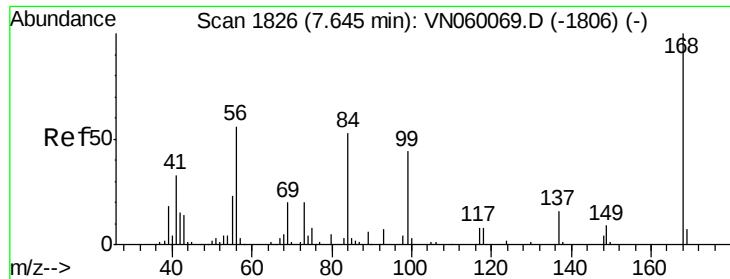
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM

Quant Time: Feb 17 14:25:56 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0217WBS01

Tot Ion:168 Resp: 206233

Ion Ratio Lower Upper

168 100

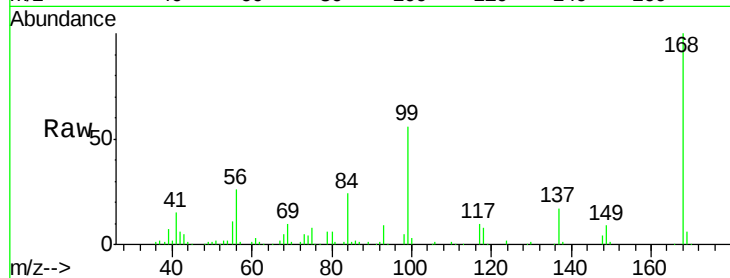
99 55.6 42.7 64.1

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:26:50 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

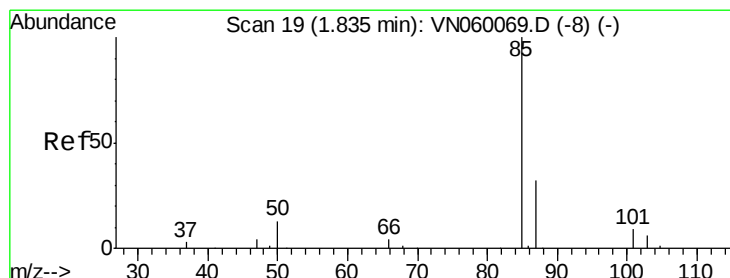
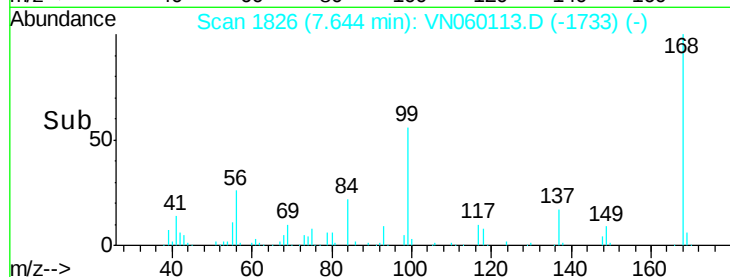
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.305 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060113.D

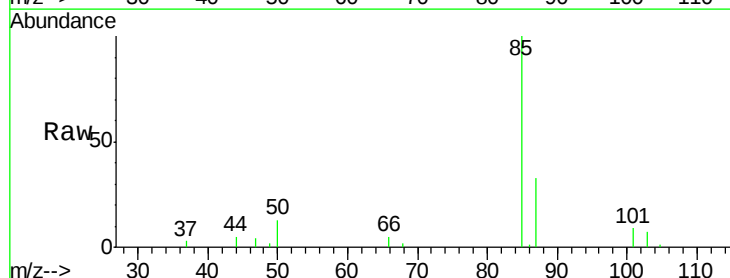
Acq: 17 Feb 2020 12:51

Tgt Ion: 85 Resp: 39795

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

20000

10000

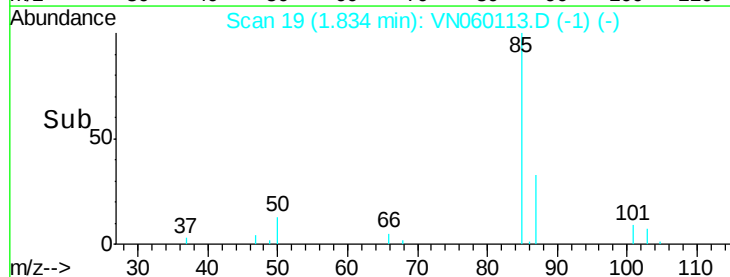
0

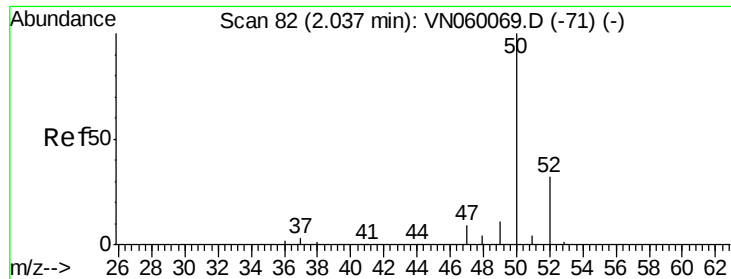
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 20.731 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0217WBS01

Tot Ion: 50 Resp: 50857

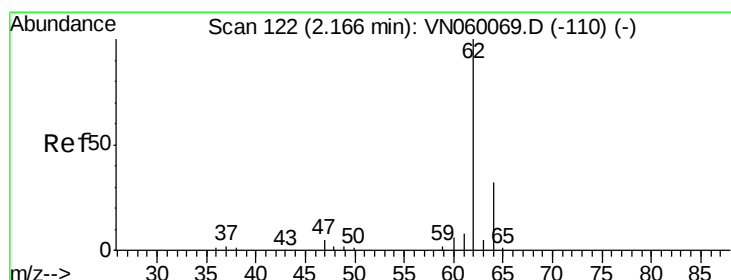
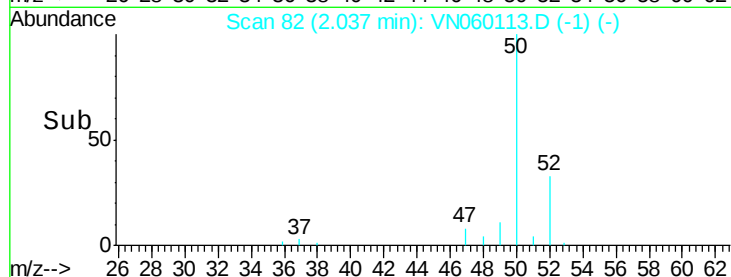
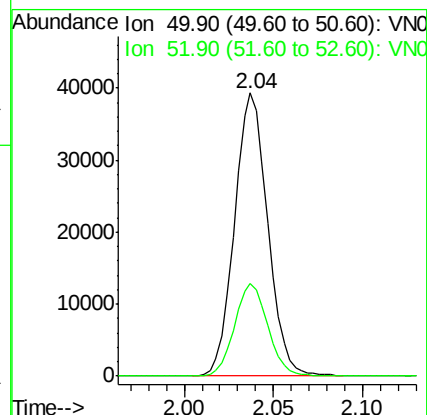
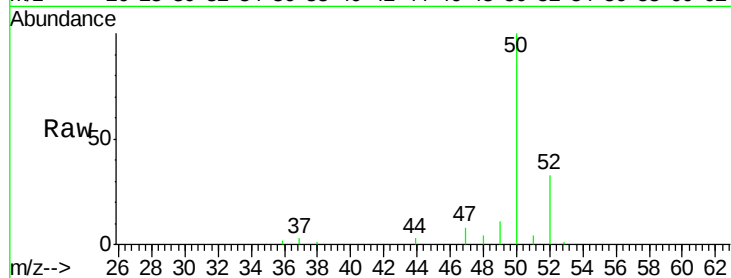
Ion Ratio Lower Upper

50 100

52 32.6 25.6 38.4

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#4

Vinyl Chloride

Concen: 20.094 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060113.D

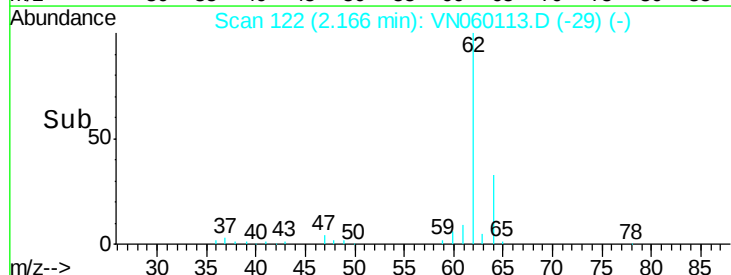
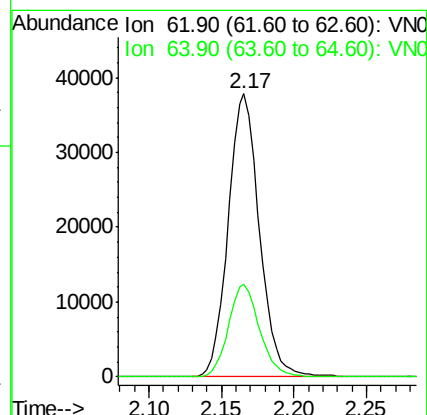
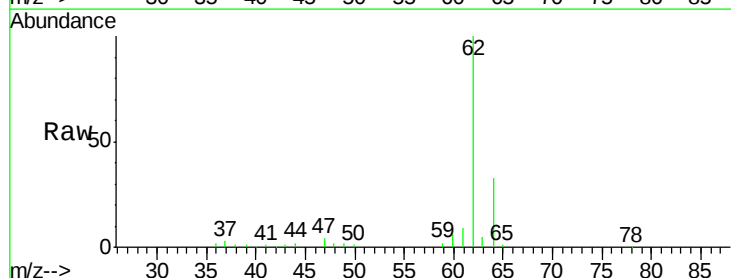
Acq: 17 Feb 2020 12:51

Tgt Ion: 62 Resp: 56188

Ion Ratio Lower Upper

62 100

64 32.9 25.9 38.9





#5

Bromomethane

Concen: 19.371 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0217WBS01

Tot Ion: 94 Resp: 33213

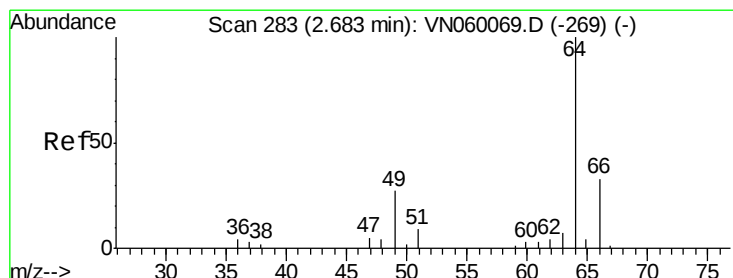
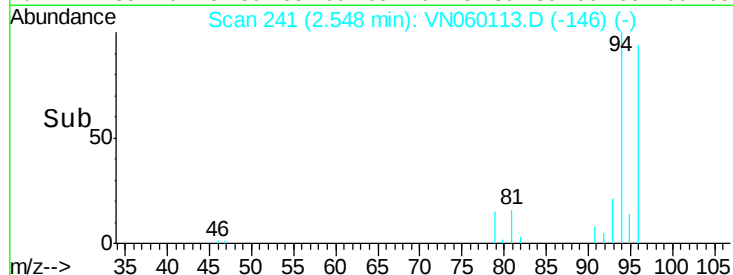
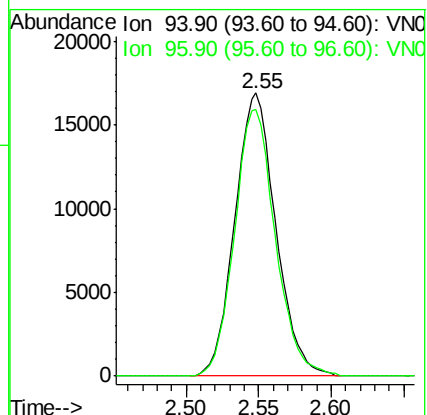
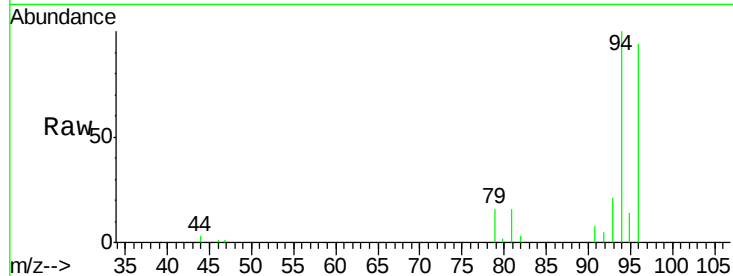
Ion Ratio Lower Upper

94 100

96 94.2 76.7 115.1

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#6

Chloroethane

Concen: 19.813 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060113.D

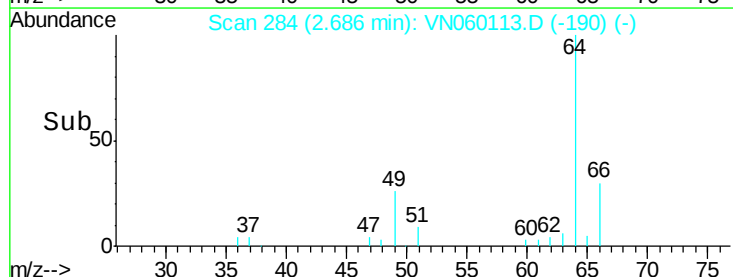
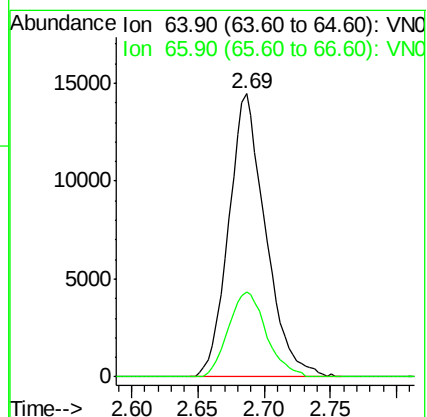
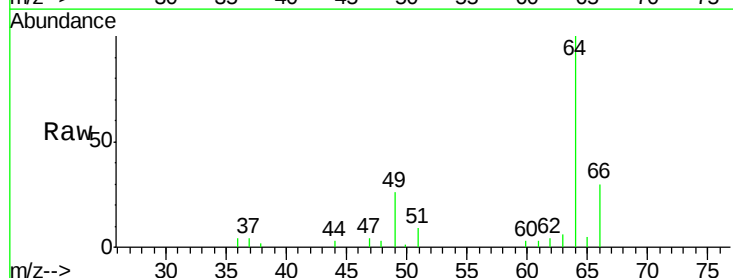
Acq: 17 Feb 2020 12:51

Tgt Ion: 64 Resp: 28022

Ion Ratio Lower Upper

64 100

66 29.9 26.6 40.0





#7

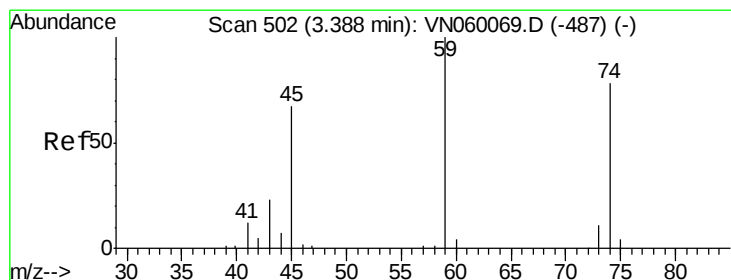
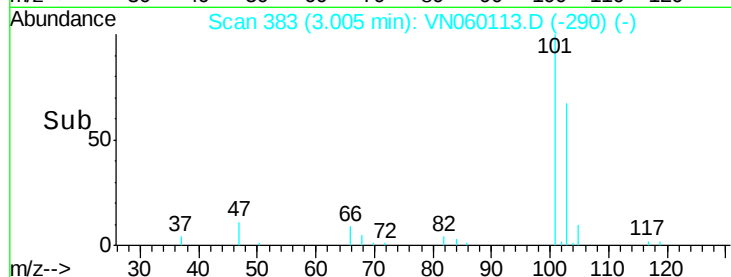
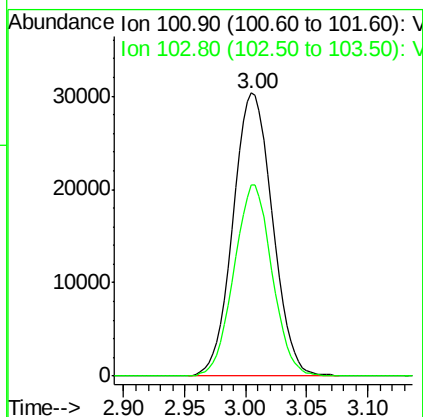
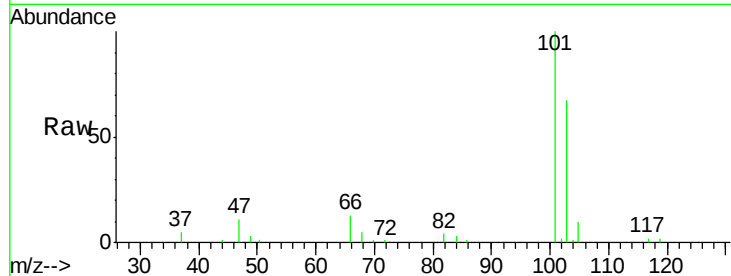
Trichlorofluoromethane  
 Concen: 18.889 ug/l  
 RT: 3.00 min Scan# 383  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0217WBS01

Tot Ion:101 Resp: 68097  
 Ion Ratio Lower Upper  
 101 100  
 103 67.4 51.0 76.6

Manual Integrations  
 APPROVED

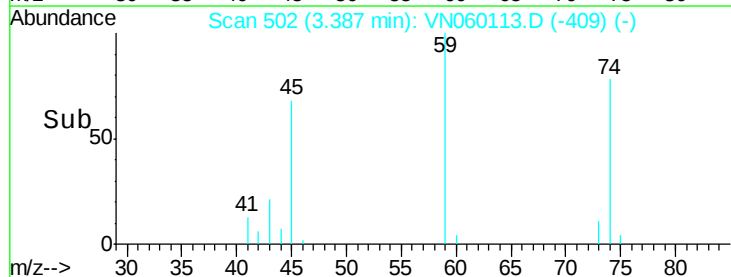
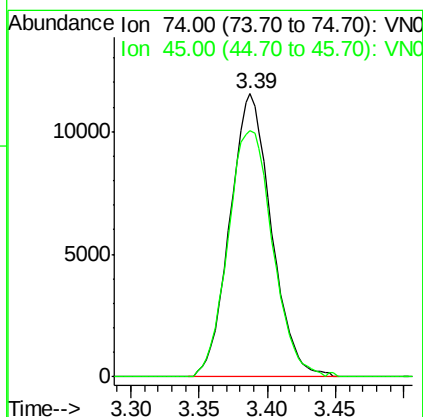
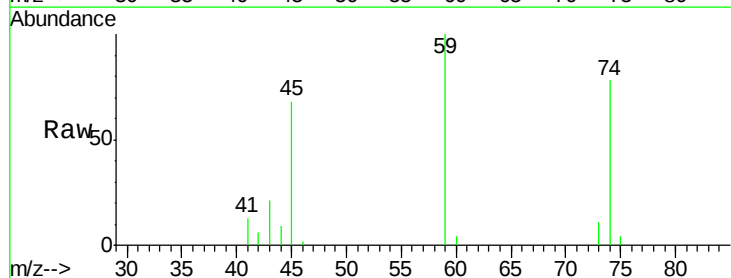
MMDadoda  
 2/18/2020 9:26:50 AM

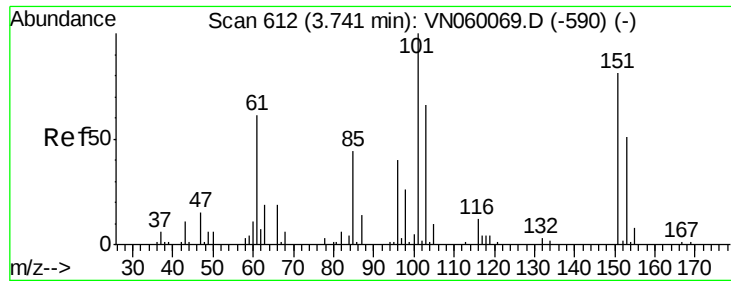


#8

Diethyl Ether  
 Concen: 20.235 ug/l  
 RT: 3.39 min Scan# 502  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

Tgt Ion: 74 Resp: 24284  
 Ion Ratio Lower Upper  
 74 100  
 45 94.0 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.426 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

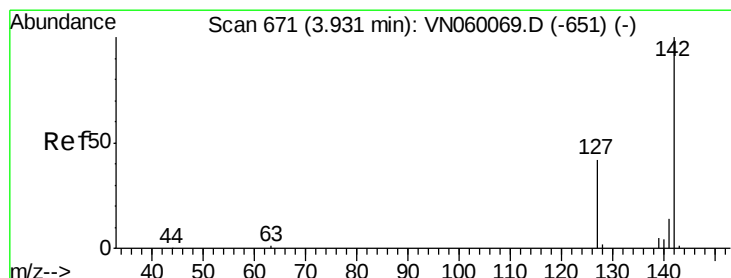
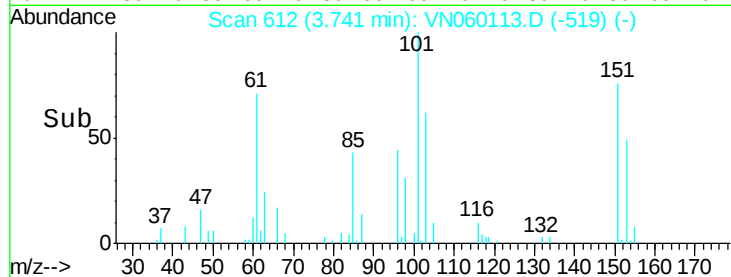
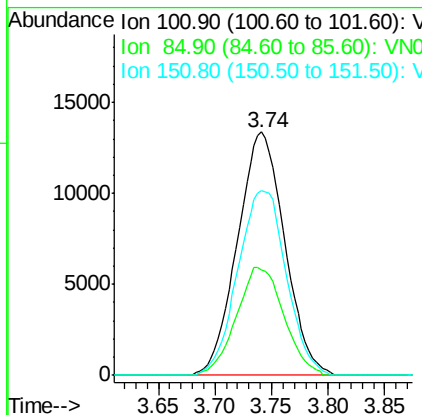
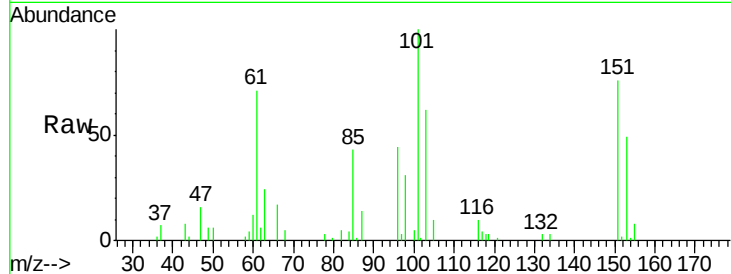
ClientSampleId :

VN0217WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 38883 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.5  | 35.1  | 52.7  |
| 151       | 78.1  | 65.8  | 98.6  |

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#10

Methyl Iodide

Concen: 19.679 ug/l

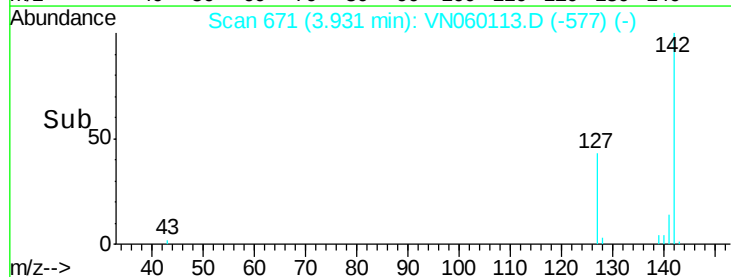
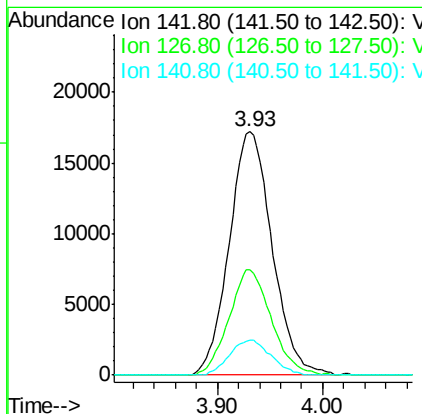
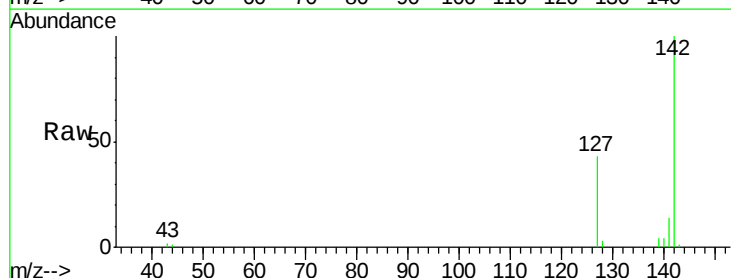
RT: 3.93 min Scan# 671

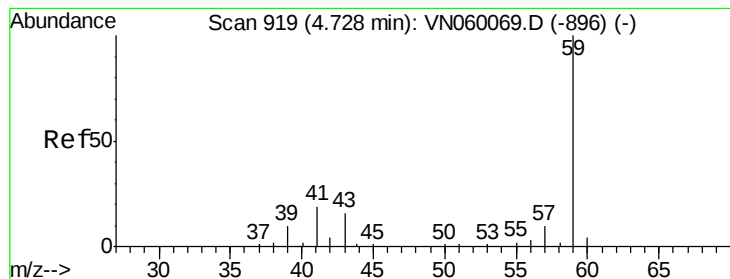
Delta R.T. 0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 48660 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.5  | 33.6  | 50.4  |
| 141       | 13.8  | 11.4  | 17.2  |





#11

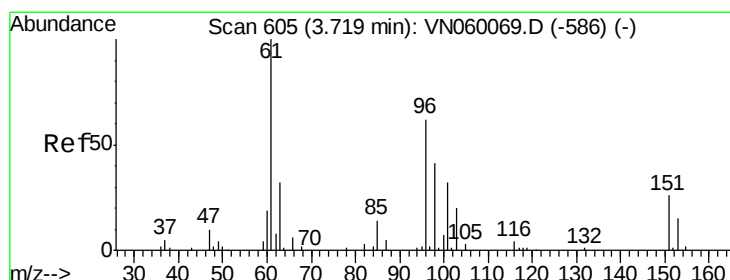
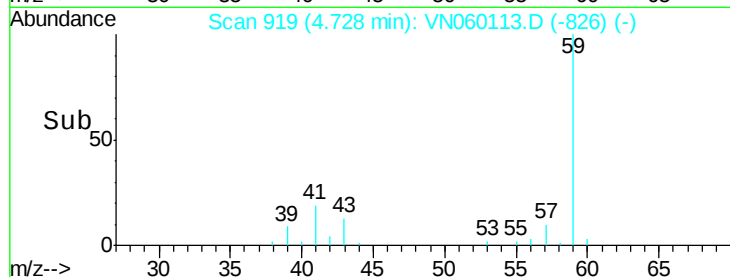
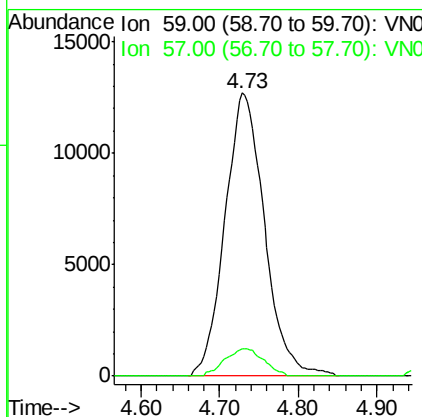
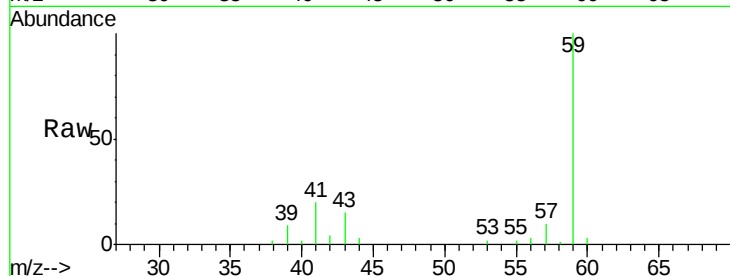
Tert butyl alcohol  
 Concen: 118.370 ug/l  
 RT: 4.73 min Scan# 919  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.6   | 8.2   | 12.4  |

Manual Integrations  
 APPROVED

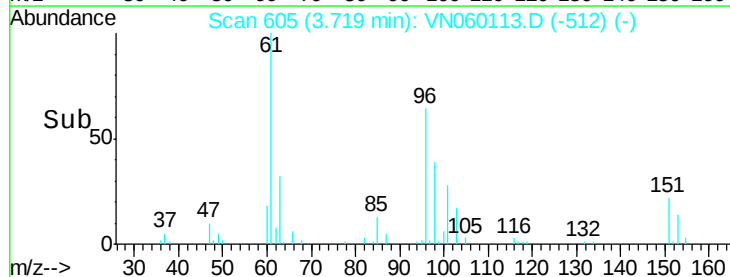
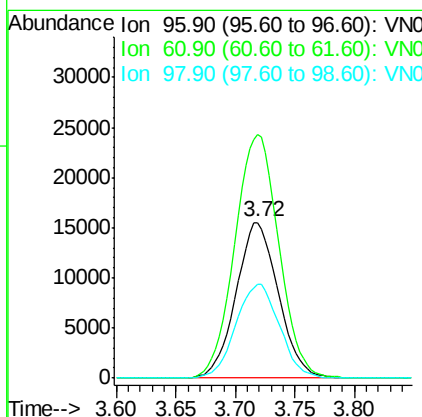
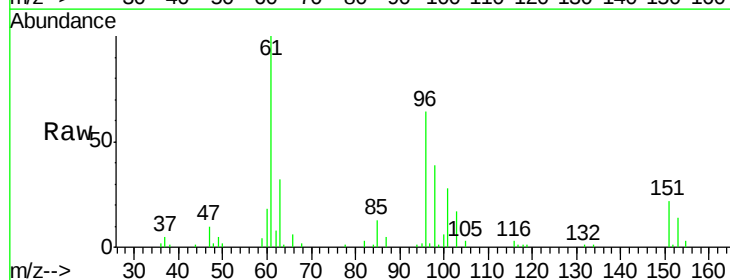
MMDadoda  
 2/18/2020 9:26:50 AM

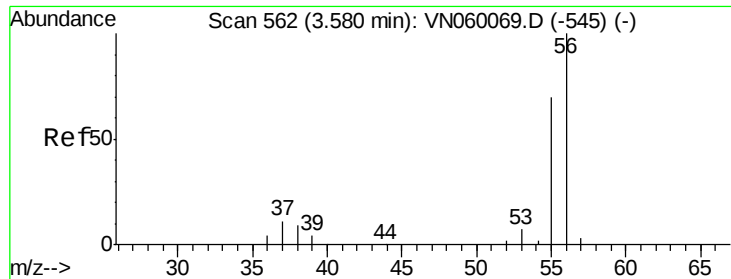


#12

1,1-Dichloroethene  
 Concen: 19.597 ug/l  
 RT: 3.72 min Scan# 605  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 156.1 | 128.3 | 192.5 |
| 98      | 60.2  | 52.2  | 78.4  |





#13

Acrolein

Concen: 92.275 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0217WBS01

Tot Ion: 56 Resp: 34252

Ion Ratio Lower Upper

56 100

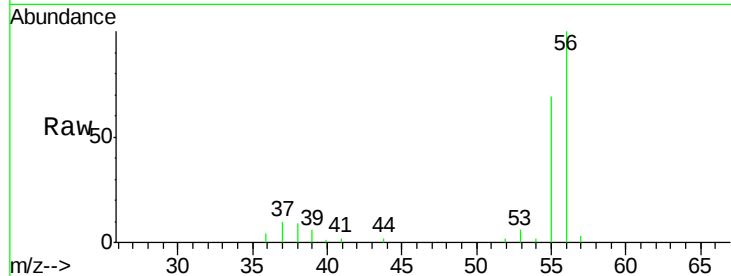
55 71.3 54.8 82.2

Manual Integrations

APPROVED

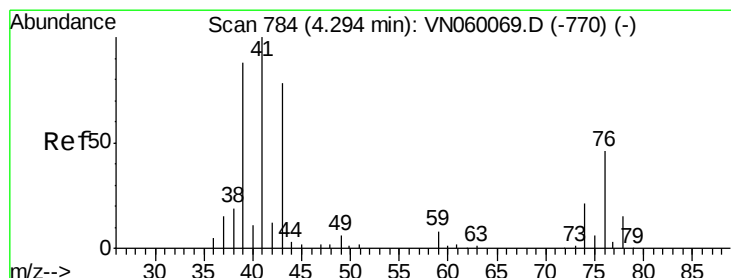
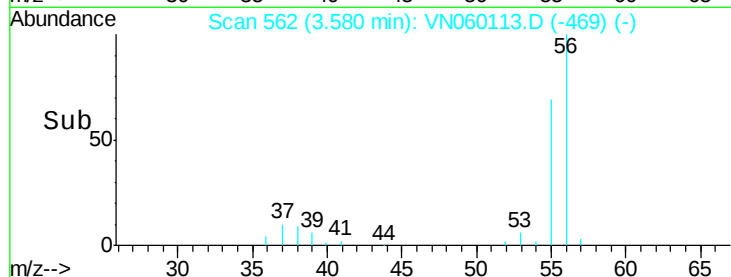
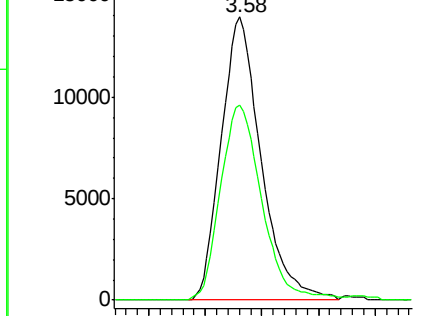
MMDadoda

2/18/2020 9:26:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.483 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

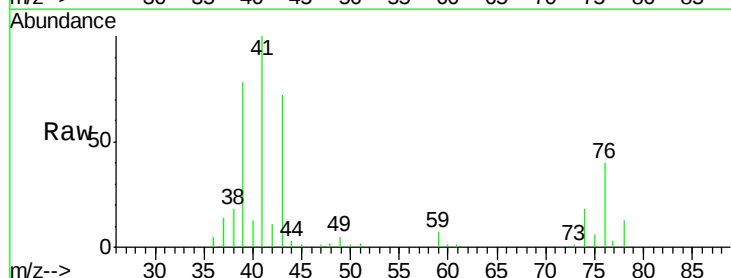
Tgt Ion: 41 Resp: 61654

Ion Ratio Lower Upper

41 100

39 77.4 67.8 101.8

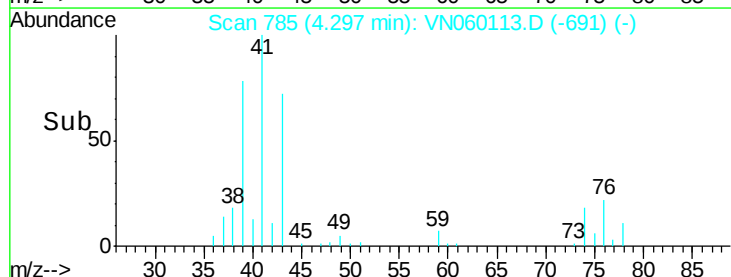
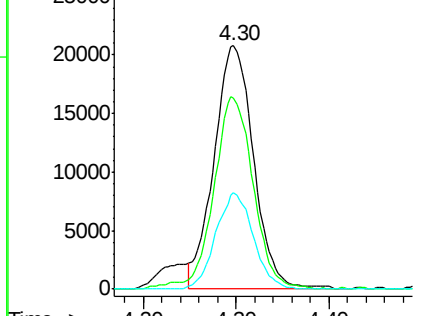
76 37.3 33.9 50.9

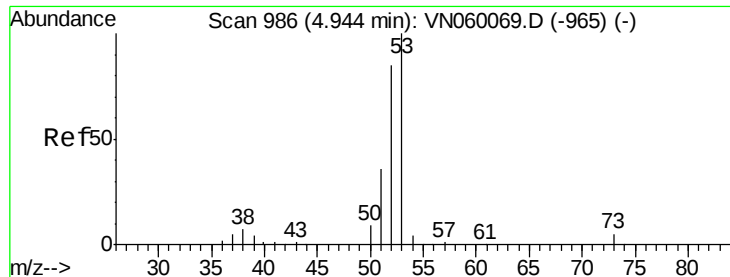


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 112.485 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

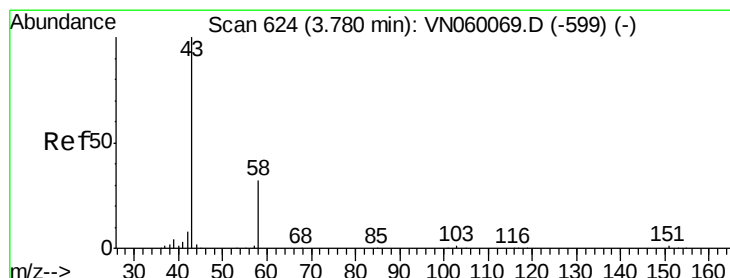
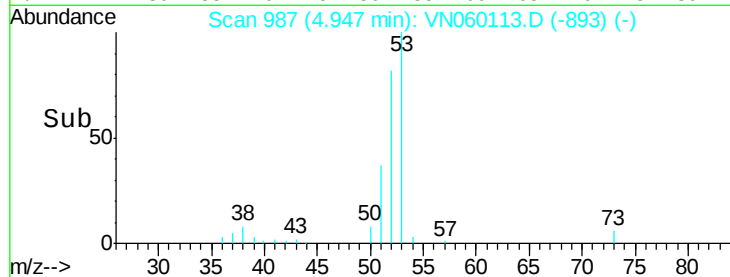
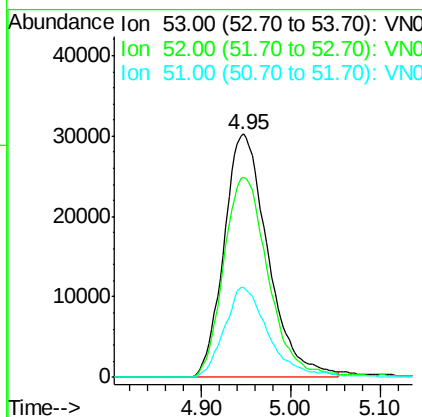
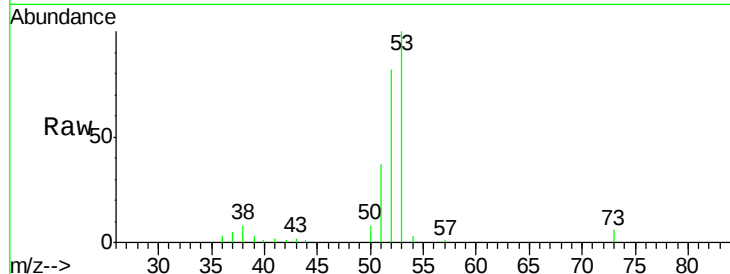
ClientSampleId :

VN0217WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 103161 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.2  | 66.8  | 100.2  |
| 51       | 37.2  | 29.4  | 44.0   |

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#16

Acetone

Concen: 106.521 ug/l

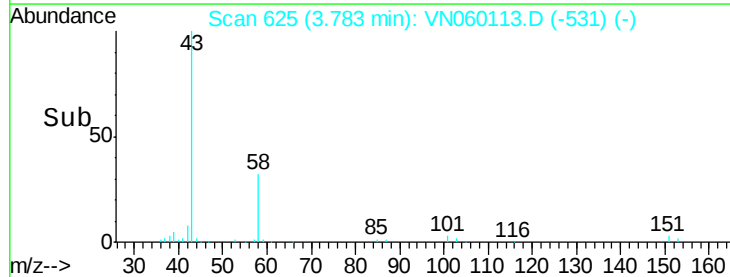
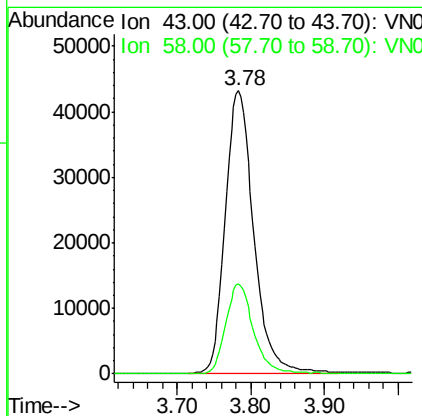
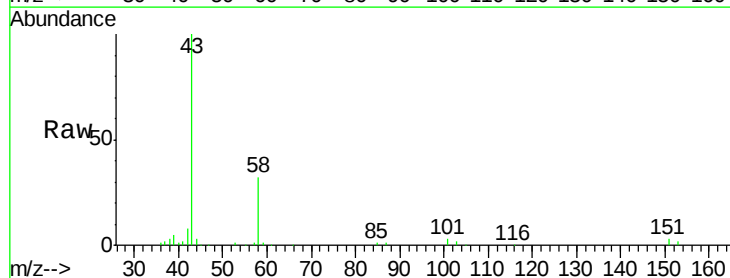
RT: 3.78 min Scan# 625

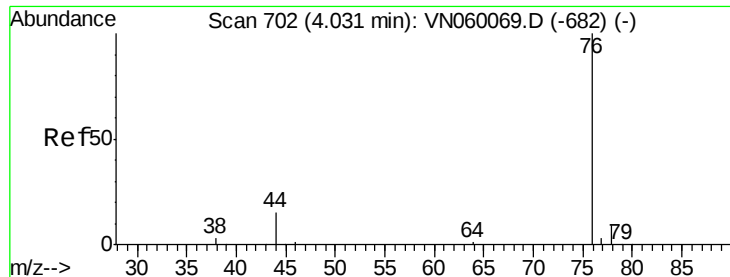
Delta R.T. 0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 116601 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 31.8  | 25.2  | 37.8   |





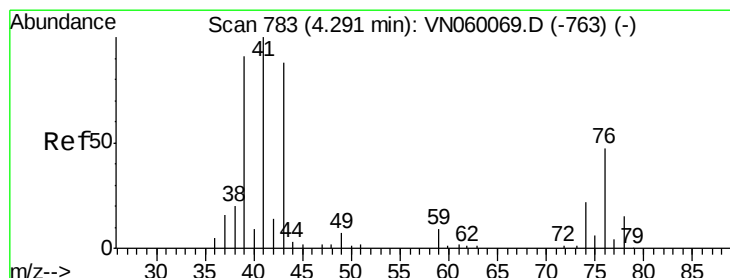
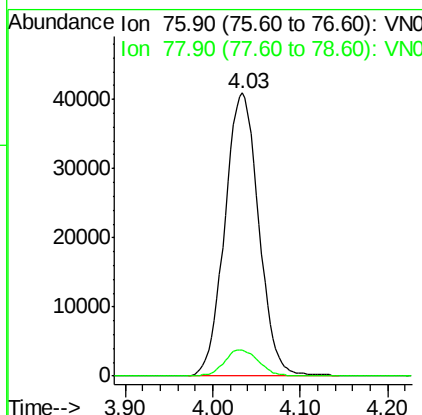
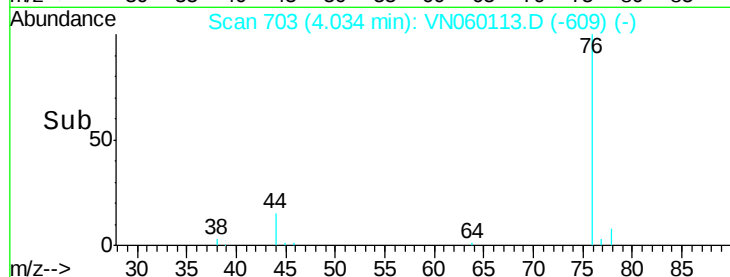
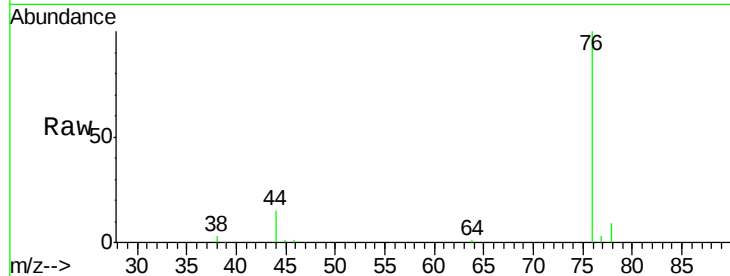
#17  
Carbon Disulfide  
Concen: 18.765 ug/l  
RT: 4.03 min Scan# 703  
Delta R.T. 0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

Tot Ion: 76 Resp: 110283  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.0 10.6

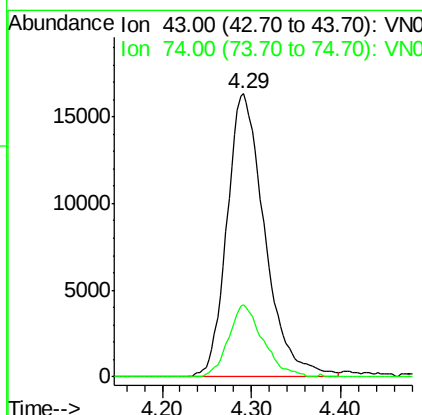
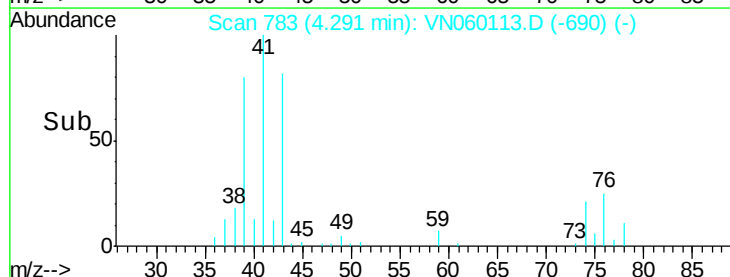
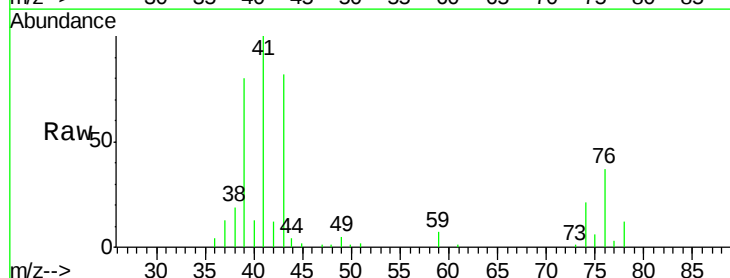
Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#18  
Methyl Acetate  
Concen: 23.349 ug/l  
RT: 4.29 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Tgt Ion: 43 Resp: 48012  
Ion Ratio Lower Upper  
43 100  
74 23.1 20.3 30.5





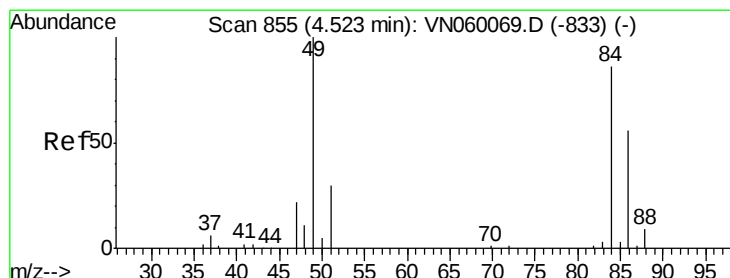
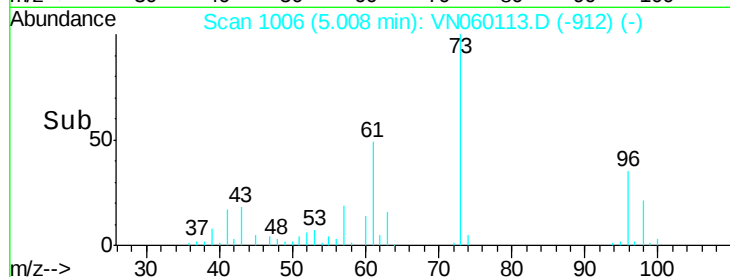
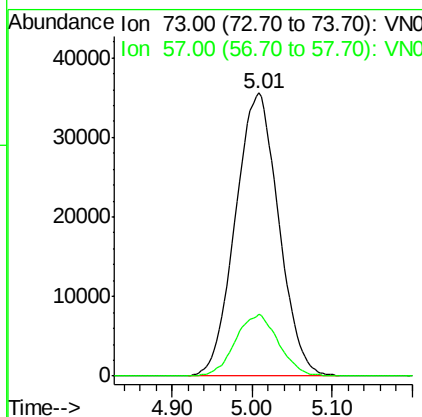
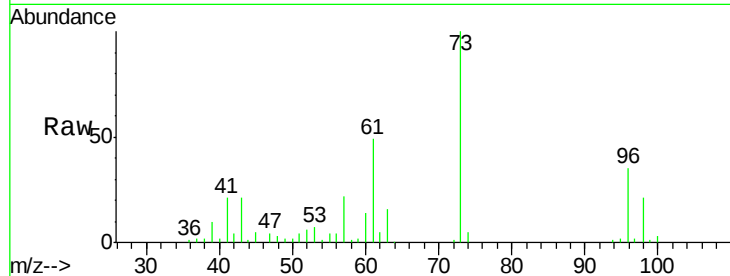
#19  
Methvl tert-butvl Ether  
Concen: 20.055 ug/l  
RT: 5.01 min Scan# 1006  
Delta R.T. 0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

Tot Ion: 73 Resp: 131502  
Ion Ratio Lower Upper  
73 100  
57 21.7 17.2 25.8

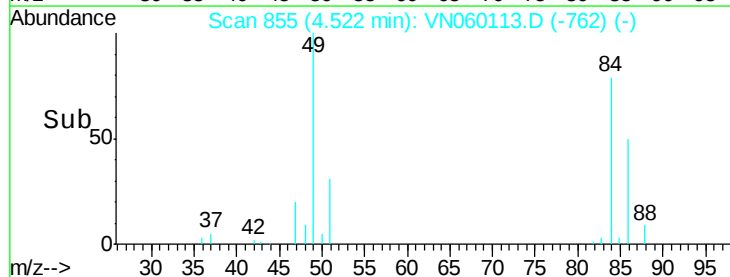
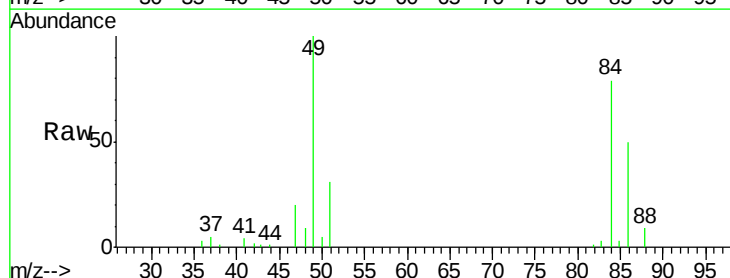
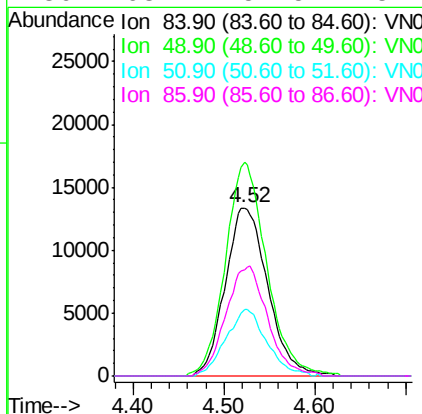
Manual Integrations  
APPROVED

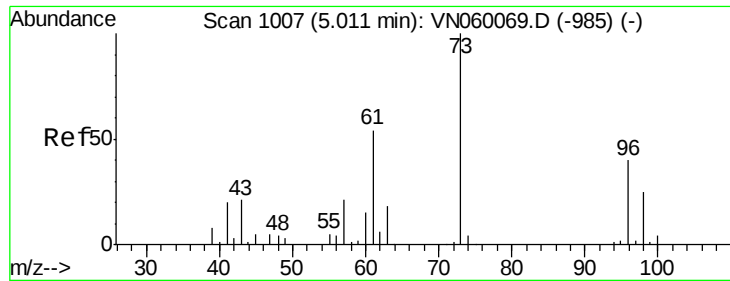
MMDadoda  
2/18/2020 9:26:50 AM



#20  
Methylene Chloride  
Concen: 19.868 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Tgt Ion: 84 Resp: 43390  
Ion Ratio Lower Upper  
84 100  
49 125.7 93.4 140.0  
51 39.3 28.4 42.6  
86 63.1 52.5 78.7





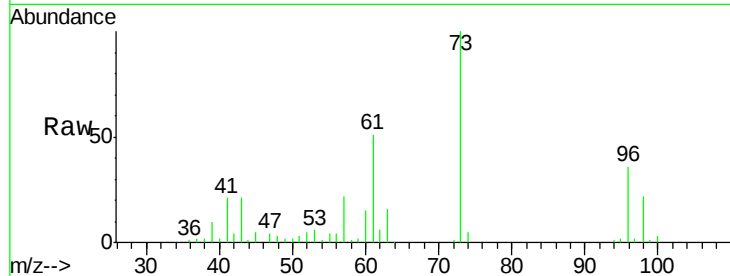
#21  
trans-1,2-Dichloroethene  
Concen: 19.119 ug/l  
RT: 5.01 min Scan# 1007  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 143.3 | 109.3 | 163.9 |
| 98      | 60.8  | 51.0  | 76.6  |

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM

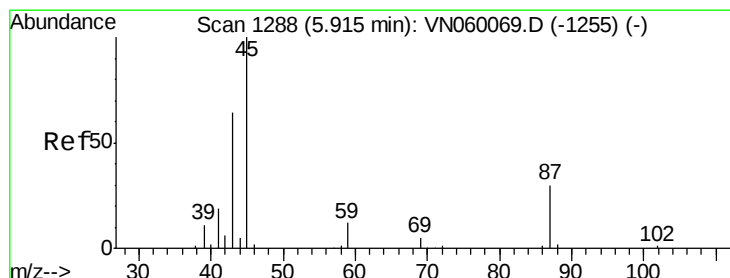
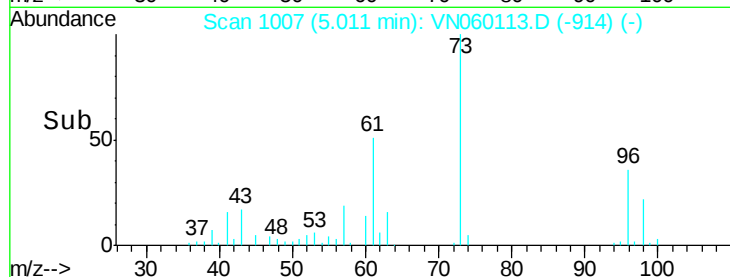
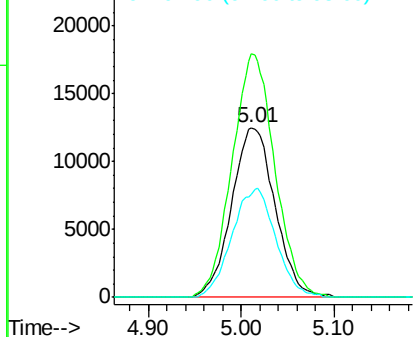


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22  
Diisopropyl ether  
Concen: 21.051 ug/l  
RT: 5.92 min Scan# 1289  
Delta R.T. 0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 68.5  | 55.9  | 83.9  |
| 87      | 28.1  | 24.5  | 36.7  |
| 59      | 10.5  | 9.9   | 14.9  |

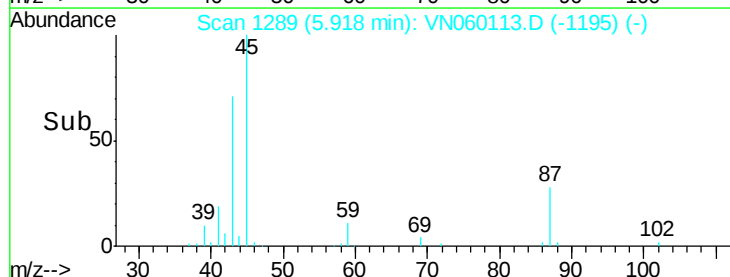
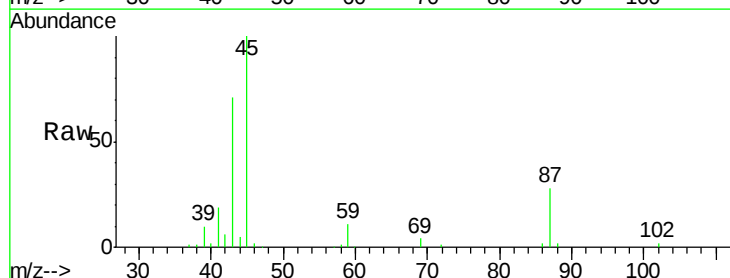
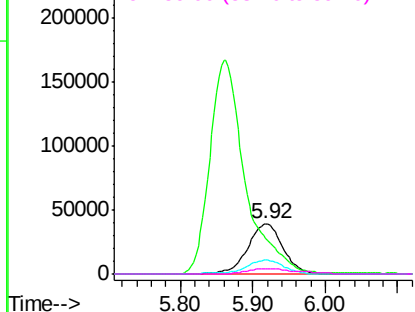
Abundance

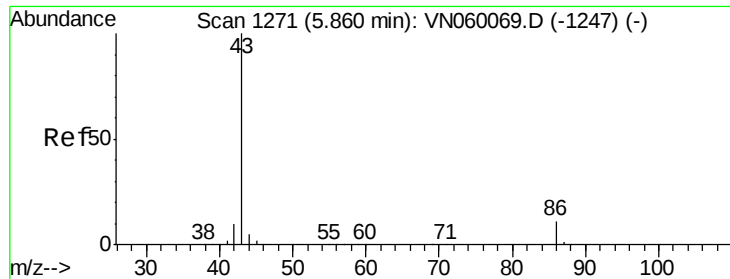
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





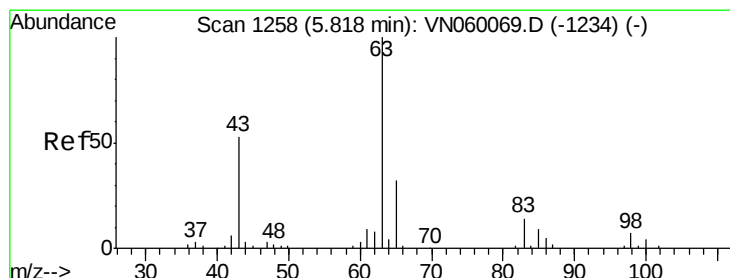
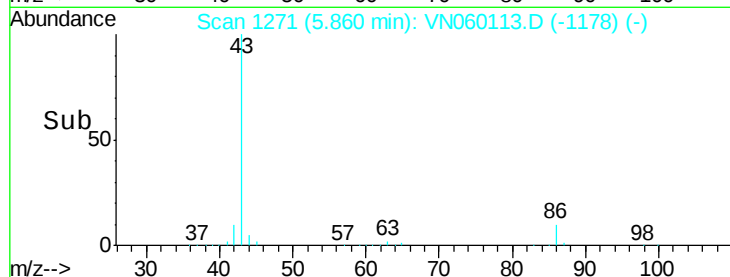
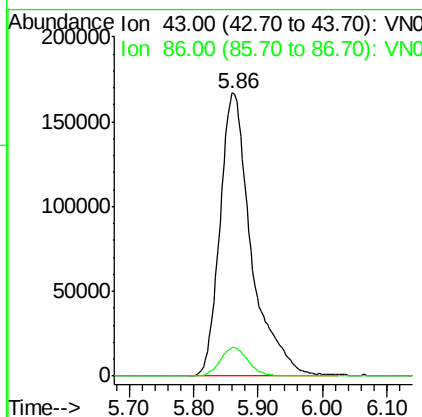
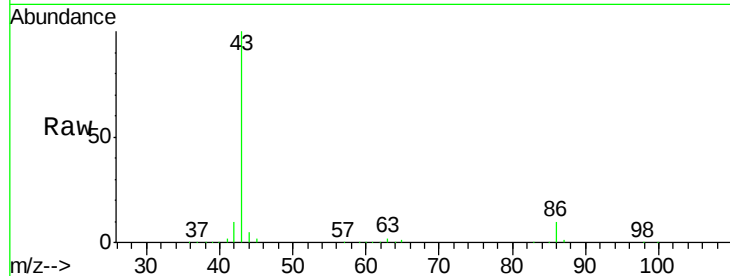
#23  
 Vinyl Acetate  
 Concen: 107.093 ug/l  
 RT: 5.86 min Scan# 1271  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0217WBS01

| Tot Ion   | 43   | Resp  | 565650 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 86        | 10.2 | 8.9   | 13.3   |

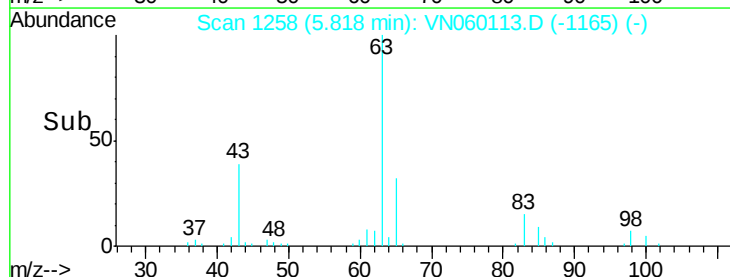
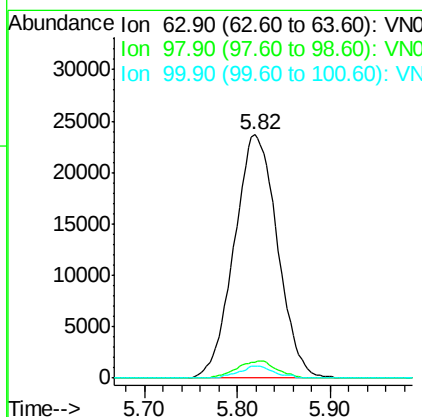
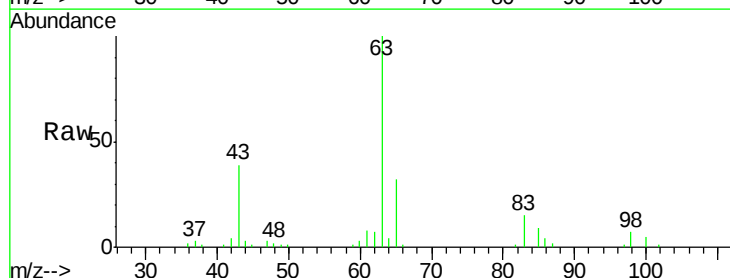
Manual Integrations  
 APPROVED

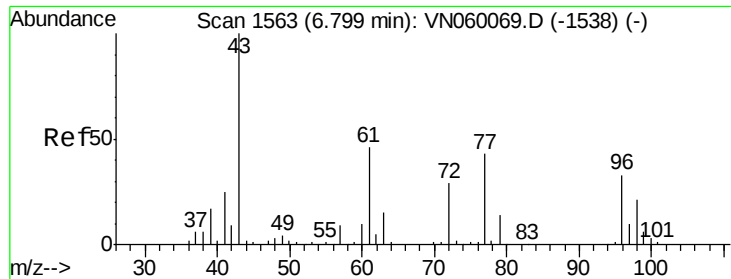
MMDadoda  
 2/18/2020 9:26:50 AM



#24  
 1,1-Dichloroethane  
 Concen: 20.087 ug/l  
 RT: 5.82 min Scan# 1258  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

| Tgt Ion   | 63  | Resp  | 76536 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 63        | 100 |       |       |
| 98        | 6.6 | 3.5   | 10.5  |
| 100       | 5.0 | 2.2   | 6.6   |





#25

2-Butanone

Concen: 110.783 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0217WBS01

Tot Ion: 43 Resp: 152514

Ion Ratio Lower Upper

43 100

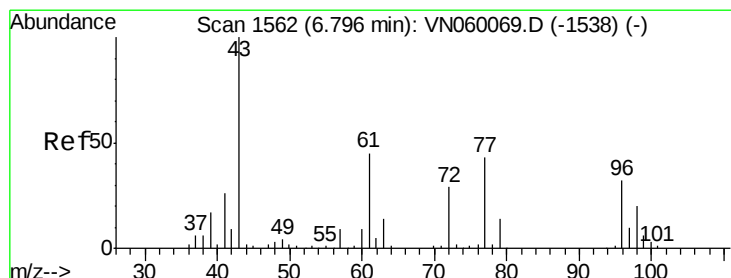
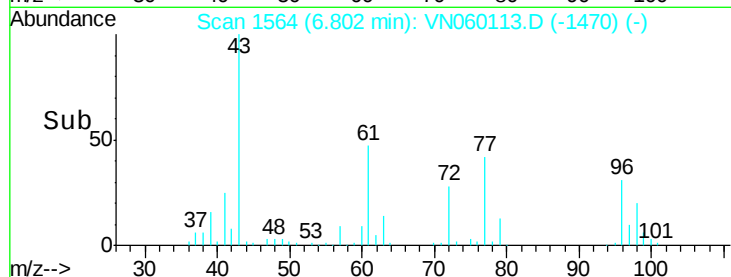
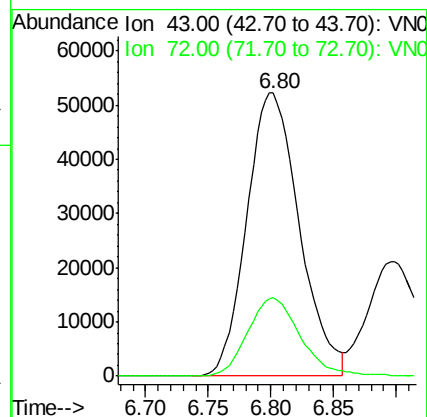
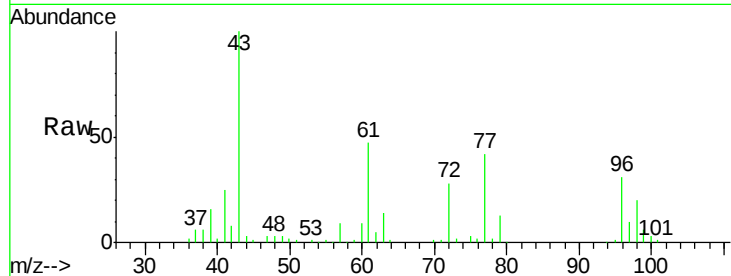
72 27.6 23.3 34.9

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:26:50 AM



#26

2,2-Dichloropropane

Concen: 19.664 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060113.D

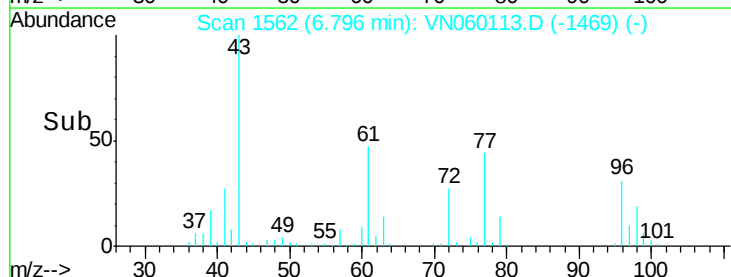
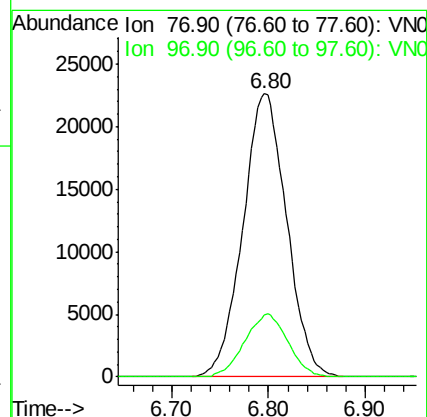
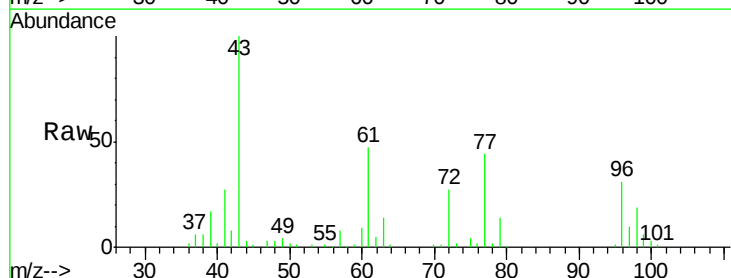
Acq: 17 Feb 2020 12:51

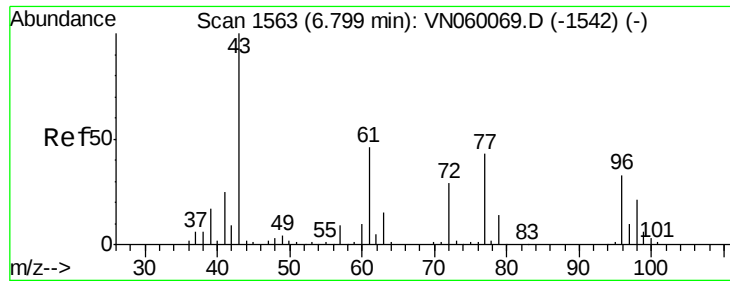
Tgt Ion: 77 Resp: 71163

Ion Ratio Lower Upper

77 100

97 21.8 11.4 34.2





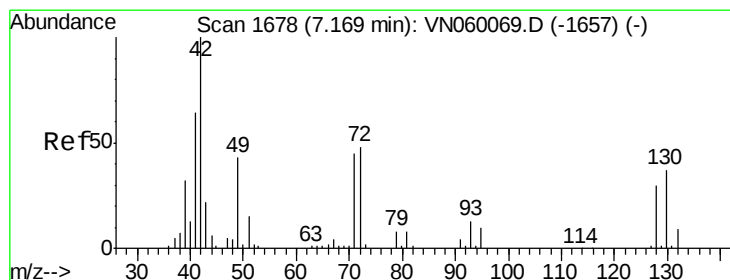
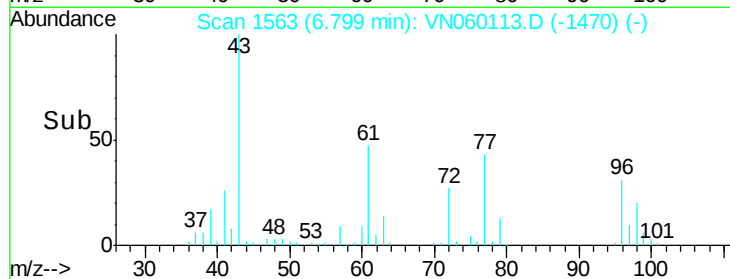
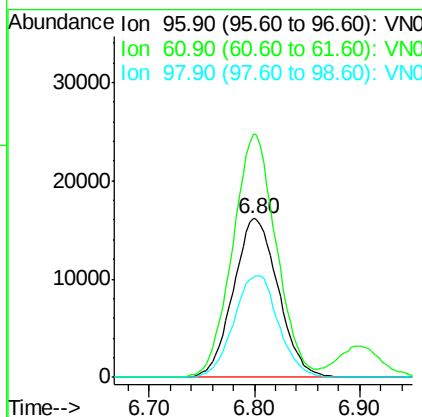
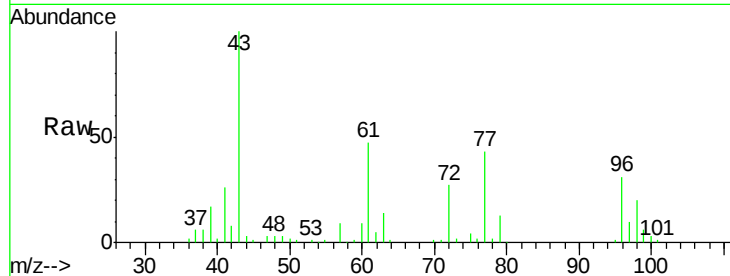
#27  
 cis-1,2-Dichloroethene  
 Concen: 19.208 ug/l  
 RT: 6.80 min Scan# 1563  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 148.8 | 0.0   | 285.8 |
| 98      | 63.7  | 0.0   | 129.6 |

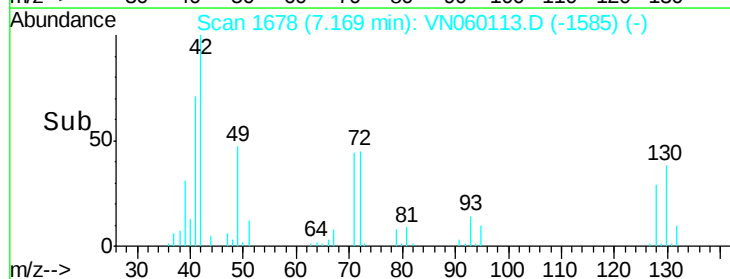
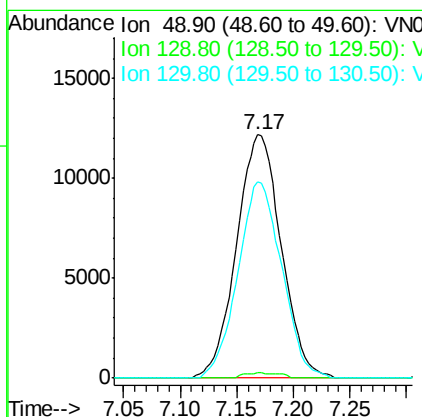
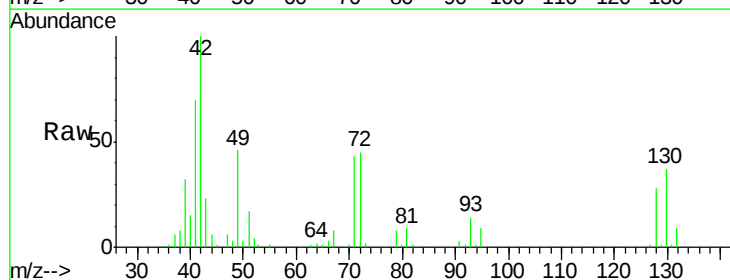
Manual Integrations  
 APPROVED

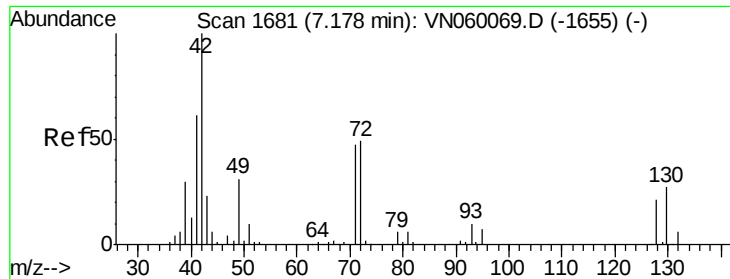
MMDadoda  
 2/18/2020 9:26:50 AM



#28  
 Bromochloromethane  
 Concen: 22.335 ug/l  
 RT: 7.17 min Scan# 1678  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.3   | 0.0   | 2.2   |
| 130     | 79.0  | 66.8  | 100.2 |





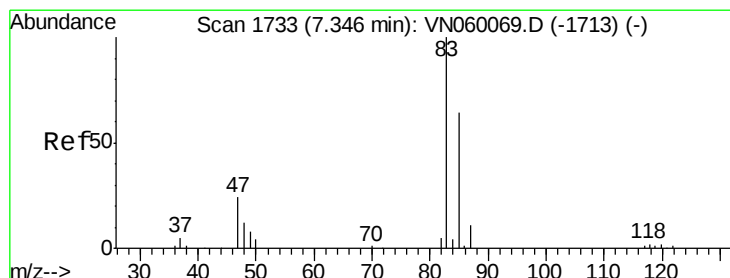
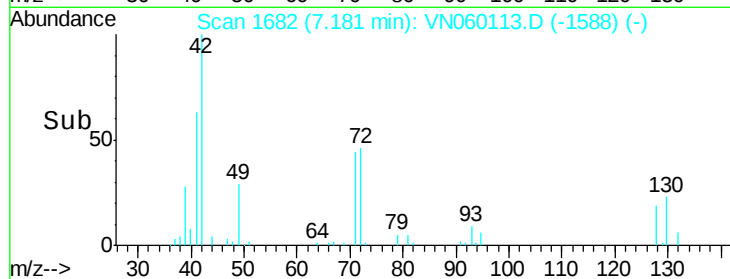
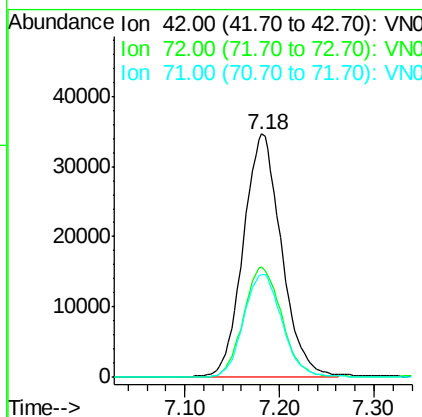
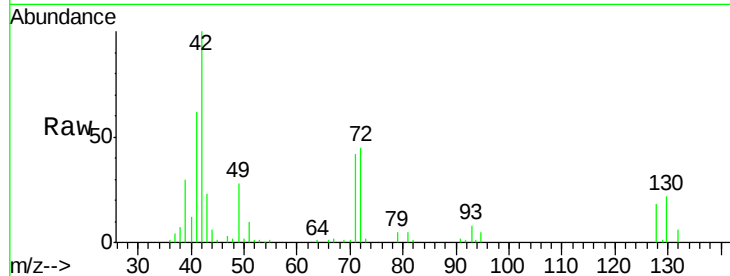
#29  
Tetrahydrofuran  
Concen: 115.317 ug/l  
RT: 7.18 min Scan# 1682  
Delta R.T. 0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.3  | 38.2  | 57.4  |
| 71      | 42.5  | 36.6  | 54.8  |

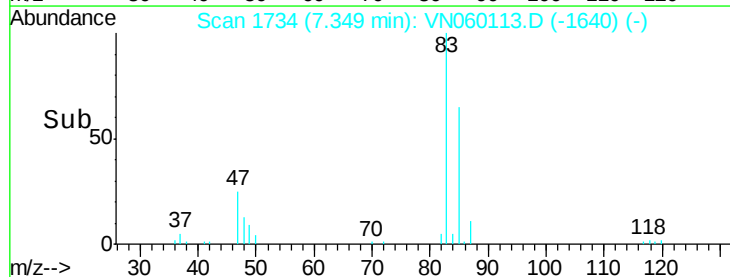
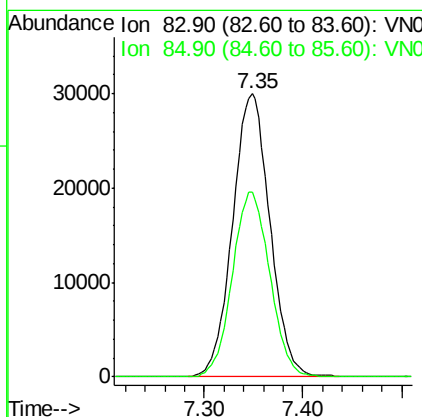
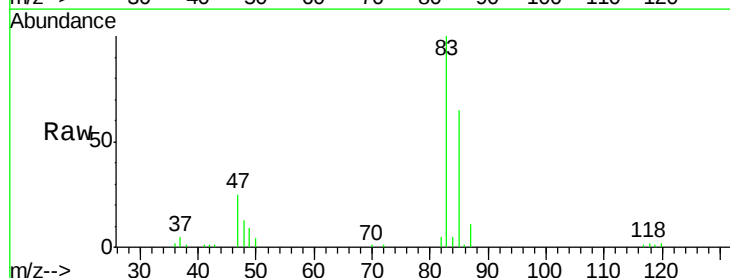
Manual Integrations  
APPROVED

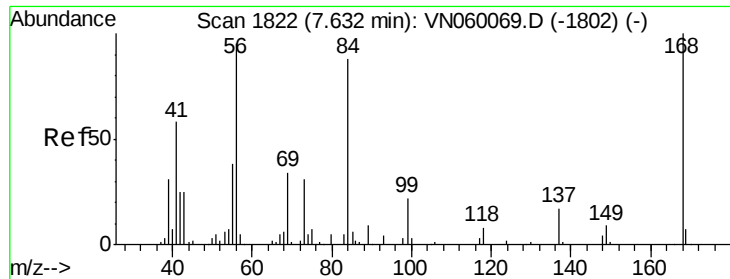
MMDadoda  
2/18/2020 9:26:50 AM



#30  
Chloroform  
Concen: 19.683 ug/l  
RT: 7.35 min Scan# 1734  
Delta R.T. 0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.5  | 51.4  | 77.0  |





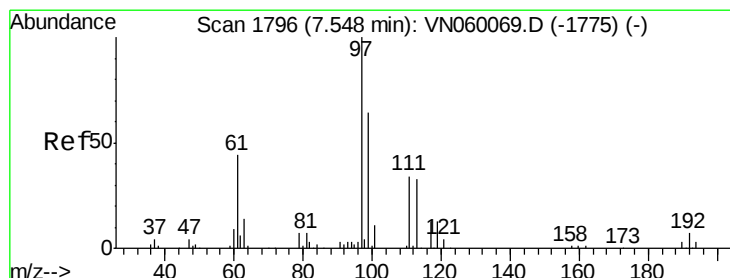
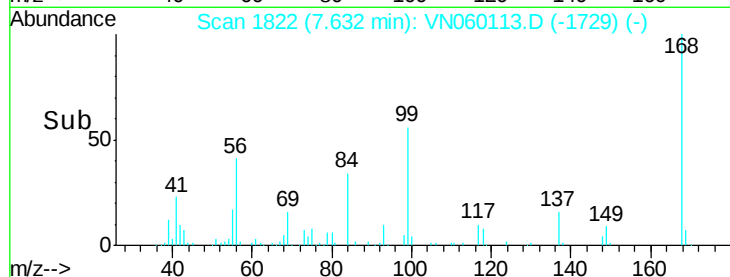
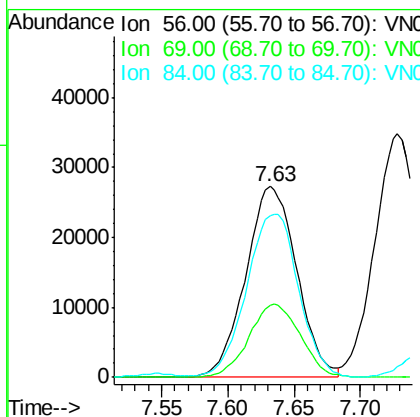
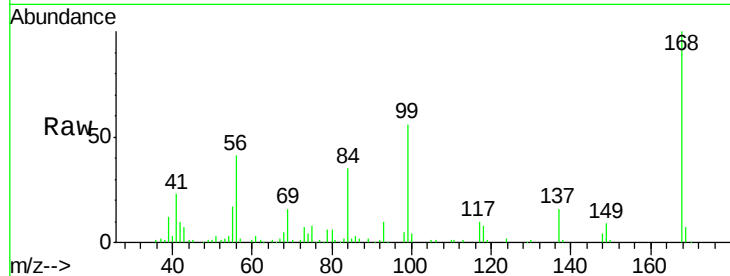
#31  
Cyclohexane  
Concen: 20.678 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 38.1  | 28.3  | 42.5  |
| 84      | 84.1  | 72.6  | 108.8 |

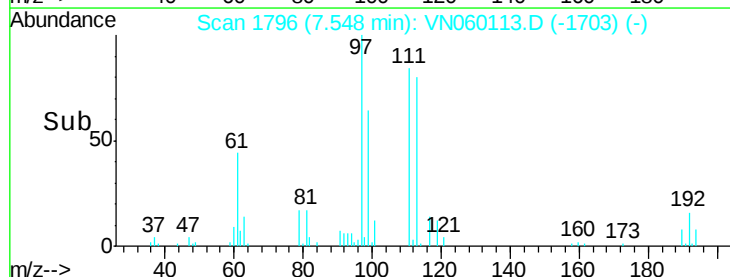
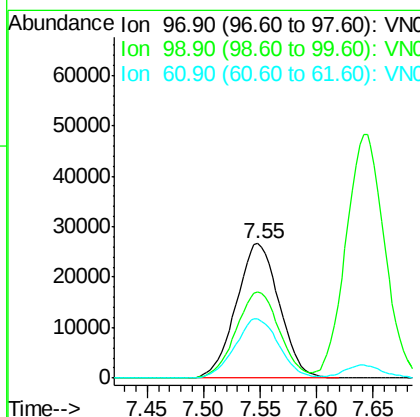
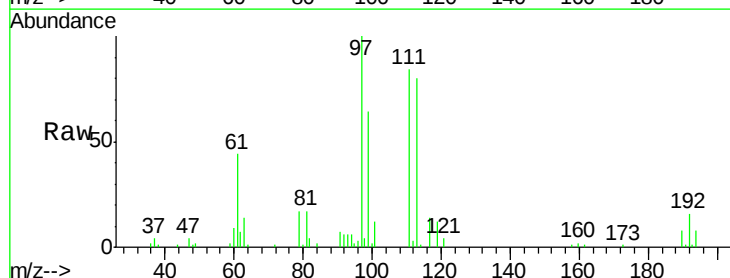
Manual Integrations  
APPROVED

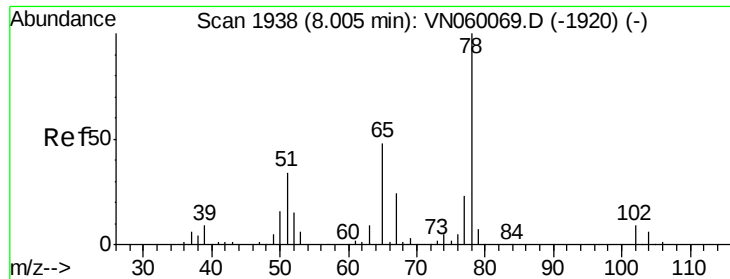
MMDadoda  
2/18/2020 9:26:50 AM



#32  
1,1,1-Trichloroethane  
Concen: 19.423 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.5  | 51.4  | 77.0  |
| 61      | 44.7  | 34.9  | 52.3  |





#33

1,2-Dichloroethane-d4

Concen: 53.026 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0217WBS01

Tot Ion: 65 Resp: 133068

Ion Ratio Lower Upper

65 100

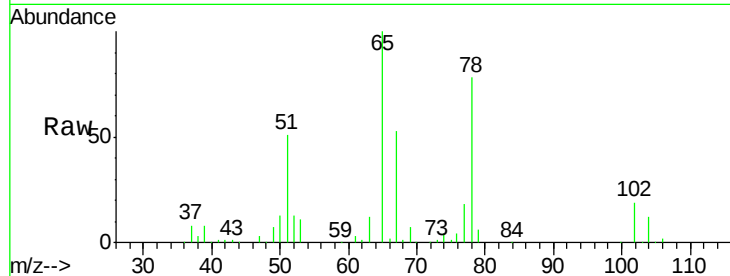
67 52.8 0.0 104.0

Manual Integrations

APPROVED

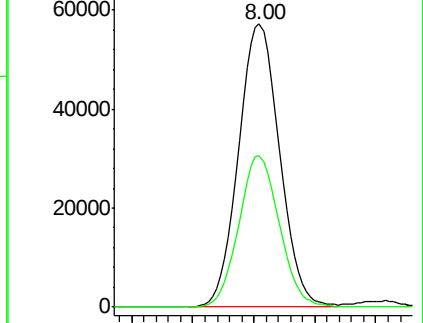
MMDadoda

2/18/2020 9:26:50 AM

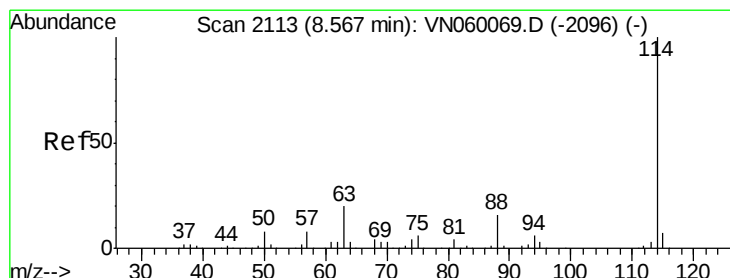
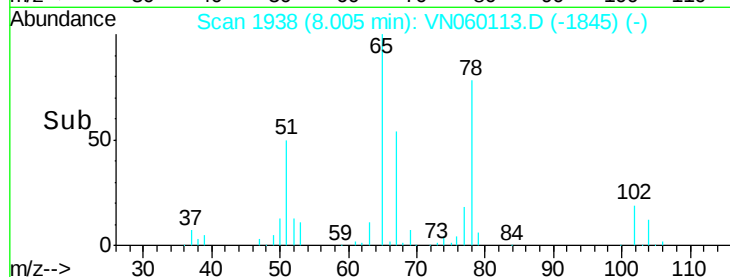


Abundance Ion 64.90 (64.60 to 65.60): VN060113.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060113.D (-1845) (-)



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

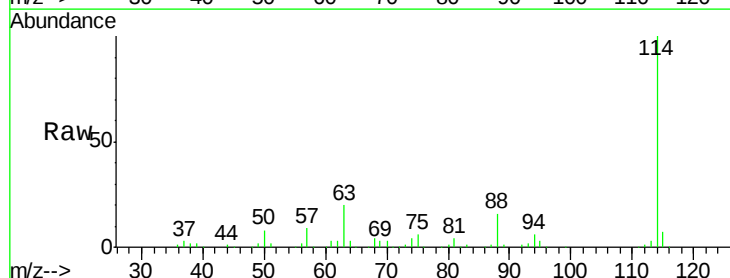
Tgt Ion: 114 Resp: 333233

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

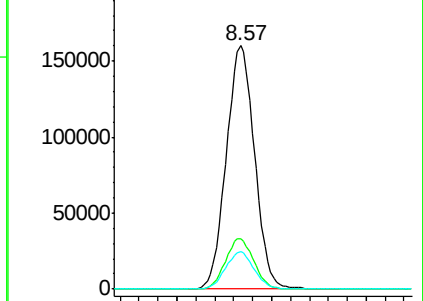
88 15.7 0.0 31.6



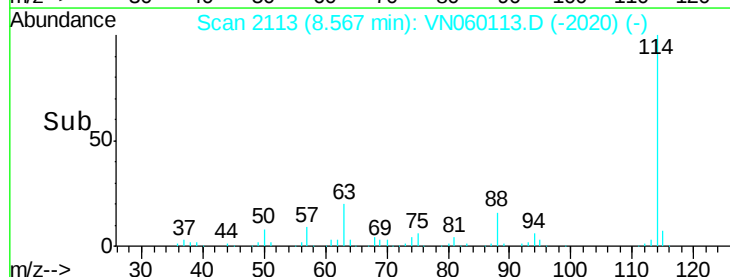
Abundance Ion 113.90 (113.60 to 114.60): VN060113.D (-2020) (-)

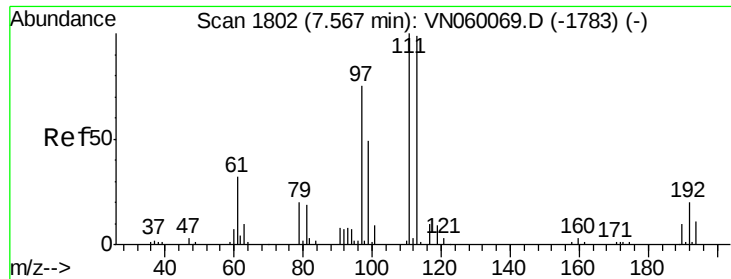
Ion 63.00 (62.70 to 63.70): VN060113.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060113.D (-2020) (-)



Time-->





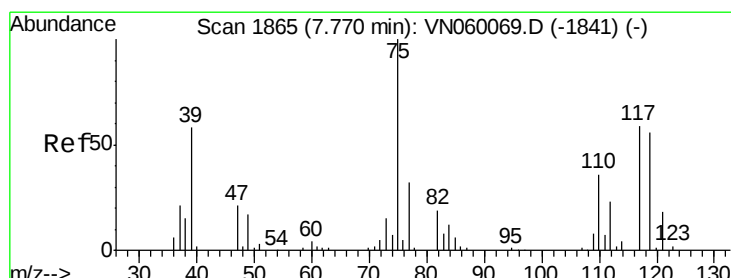
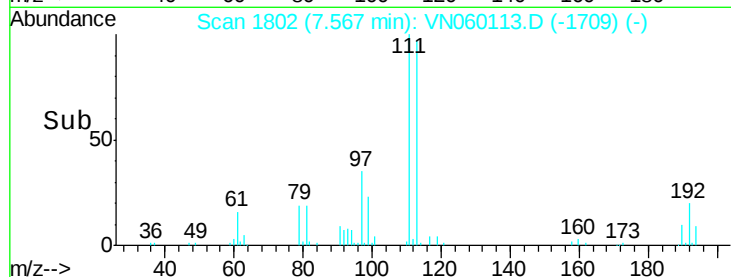
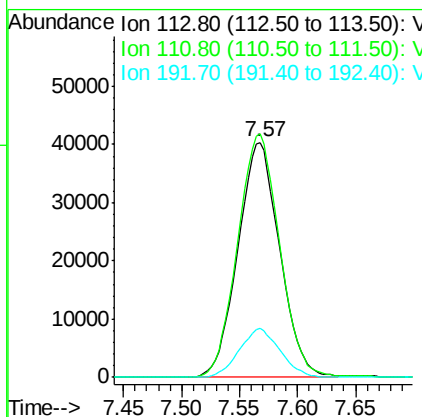
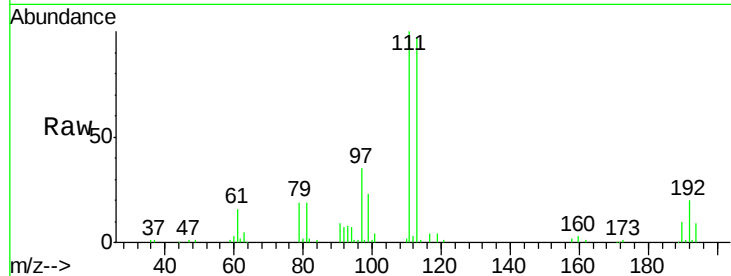
#35  
Dibromofluoromethane  
Concen: 49.271 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 104.6 | 81.4 | 122.2 |       |
| 192     | 20.3  | 16.2 | 24.2  |       |

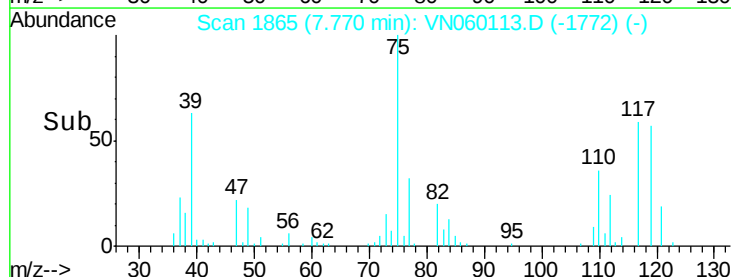
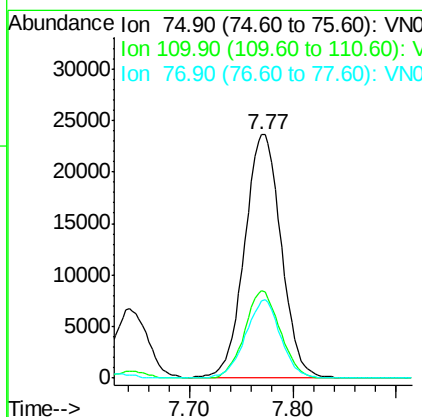
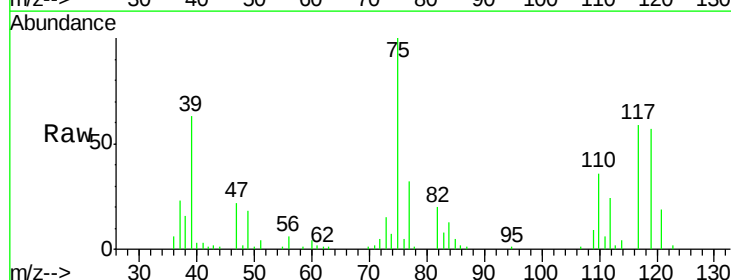
Manual Integrations  
APPROVED

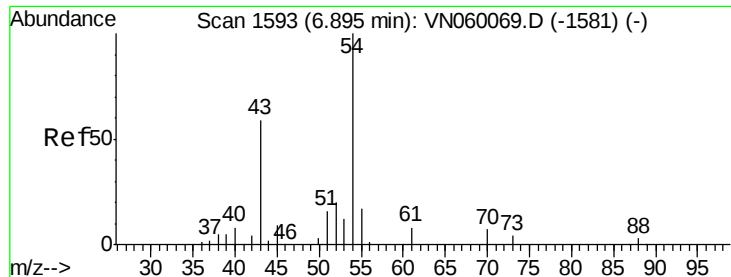
MMDadoda  
2/18/2020 9:26:50 AM



#36  
1,1-Dichloropropene  
Concen: 18.869 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 34.6  | 18.1 | 54.3  |       |
| 77      | 30.7  | 25.1 | 37.7  |       |





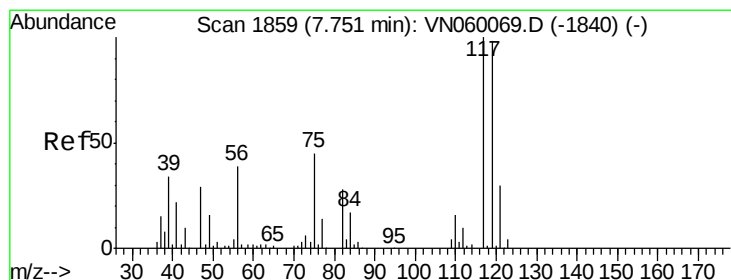
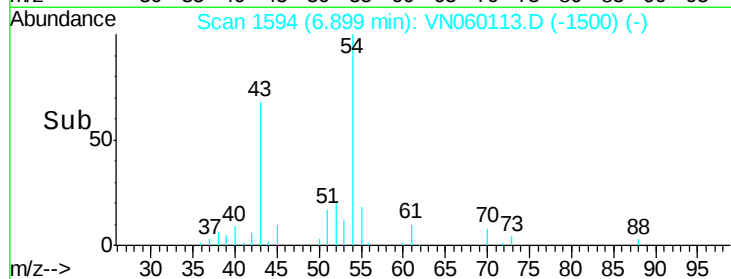
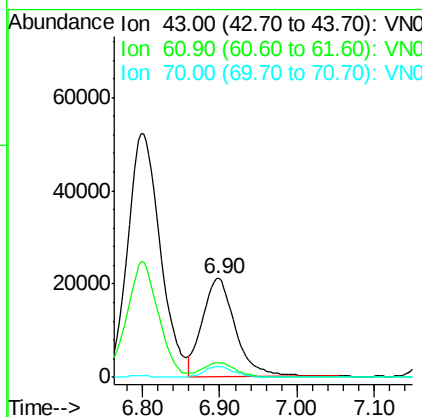
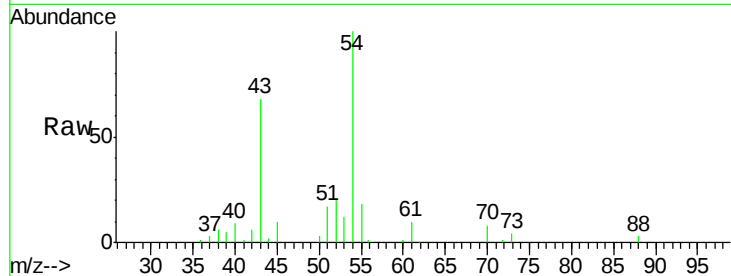
#37  
Ethyl Acetate  
Concen: 22.671 ug/l  
RT: 6.90 min Scan# 1594  
Delta R.T. 0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.7  | 11.4  | 17.2  |
| 70      | 10.0  | 8.7   | 13.1  |

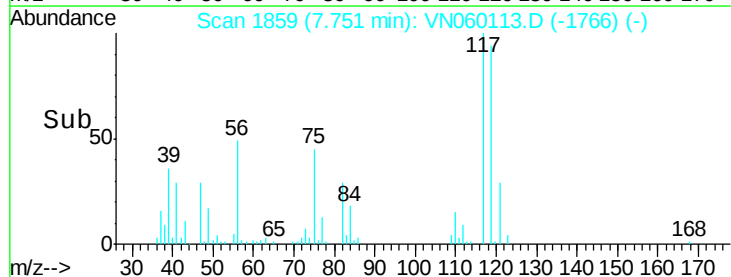
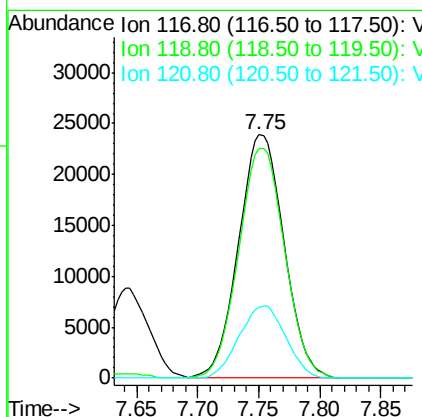
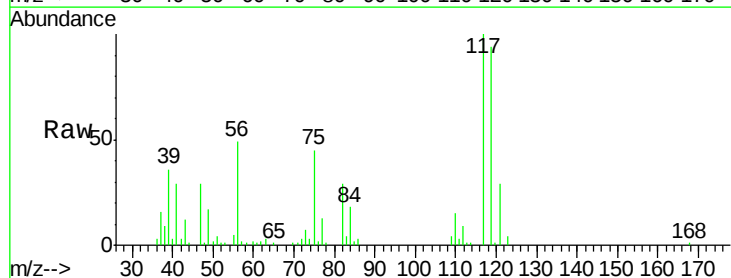
Manual Integrations  
APPROVED

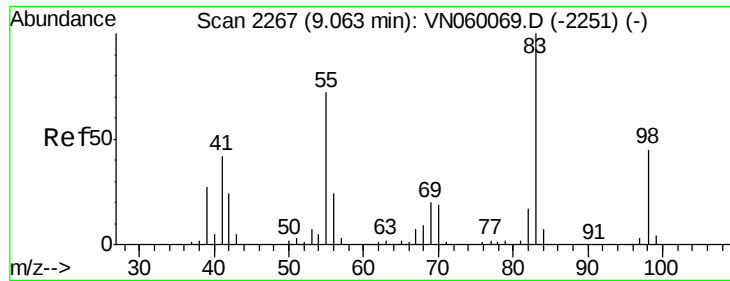
MMDadoda  
2/18/2020 9:26:50 AM



#38  
Carbon Tetrachloride  
Concen: 18.440 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.2  | 78.2  | 117.4 |
| 121     | 29.2  | 24.2  | 36.2  |





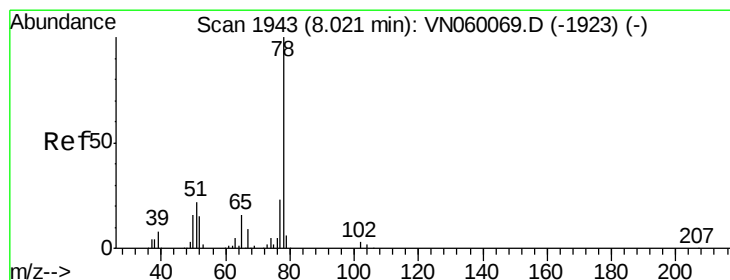
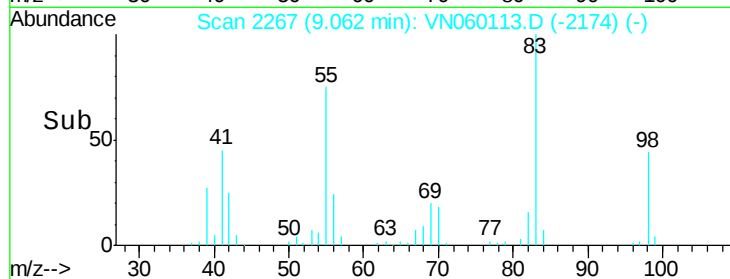
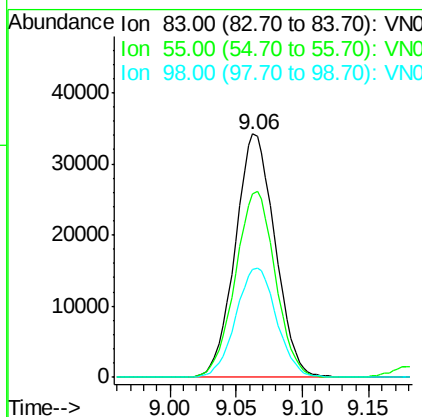
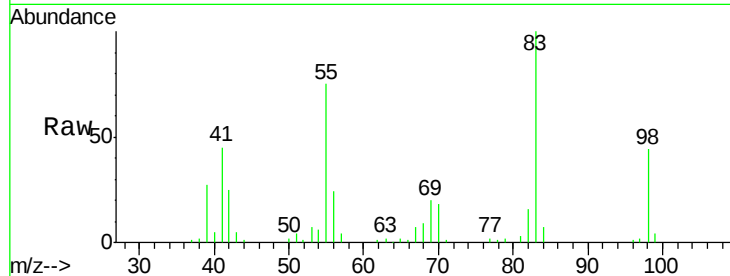
#39  
Methvlcvclohexane  
Concen: 18.623 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

| Tot Ion   | 83   | Resp  | 71354 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 55        | 75.2 | 57.8  | 86.8  |
| 98        | 44.1 | 36.4  | 54.6  |

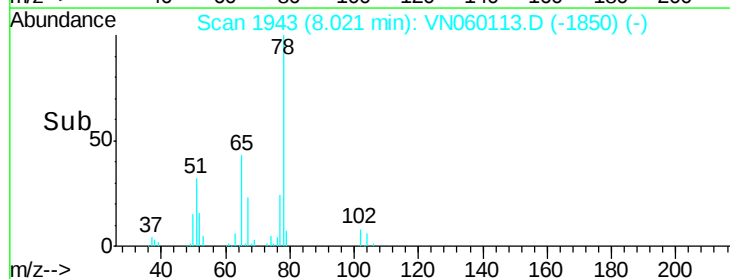
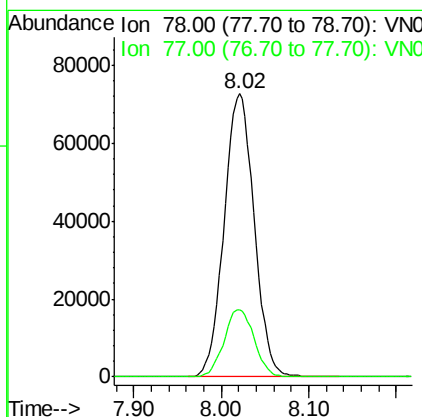
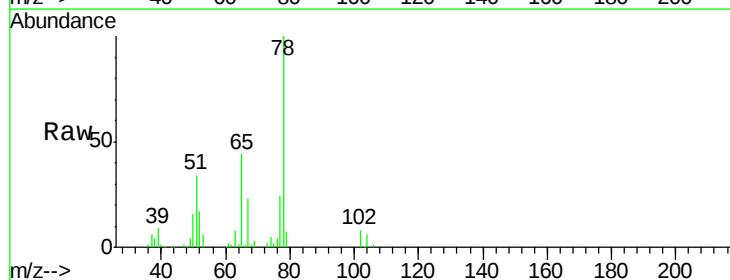
Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#40  
Benzene  
Concen: 18.951 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion   | 78   | Resp  | 173513 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 23.7 | 18.8  | 28.2   |





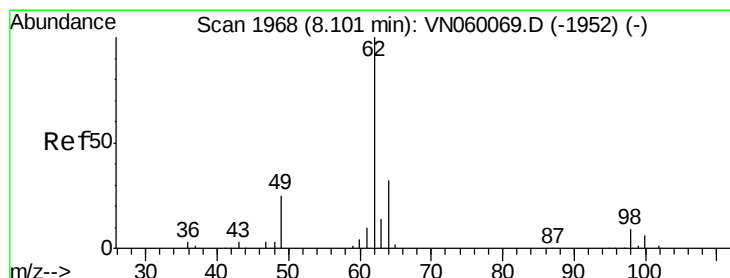
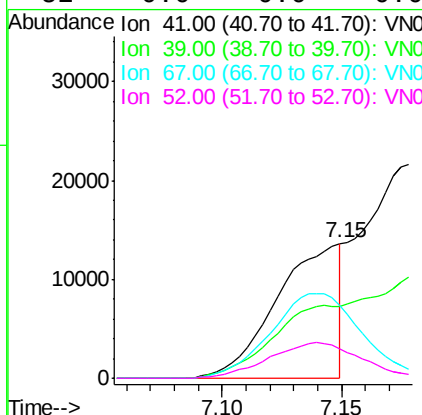
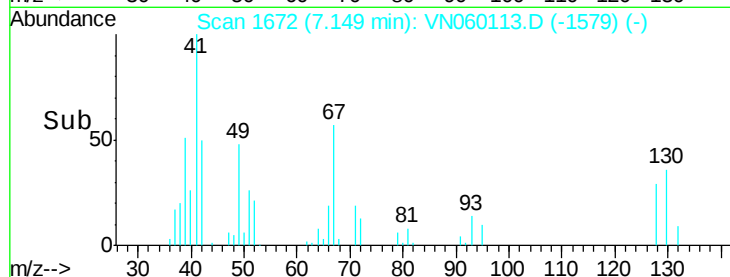
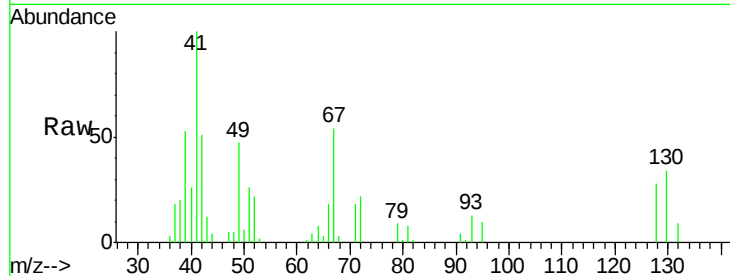
#41  
Methacrylonitrile  
Concen: 21.501 ug/l m  
RT: 7.15 min Scan# 1672  
Delta R.T. 0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

| Tot Ion   | 41    | Resp  | 25153 |
|-----------|-------|-------|-------|
| 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   |

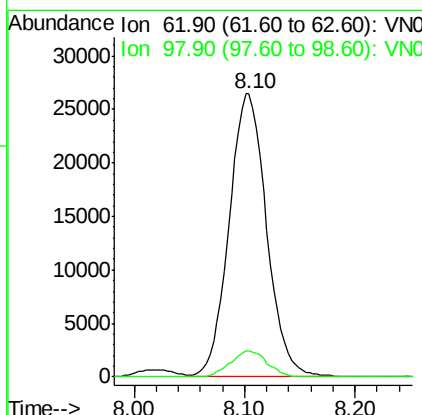
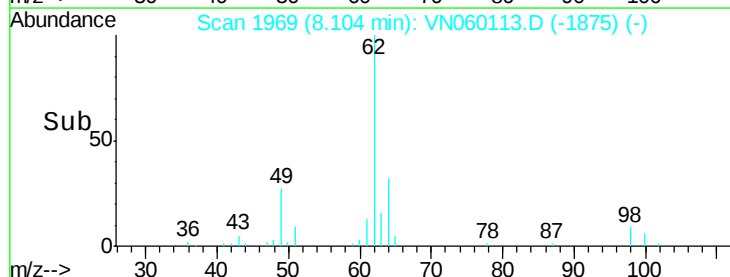
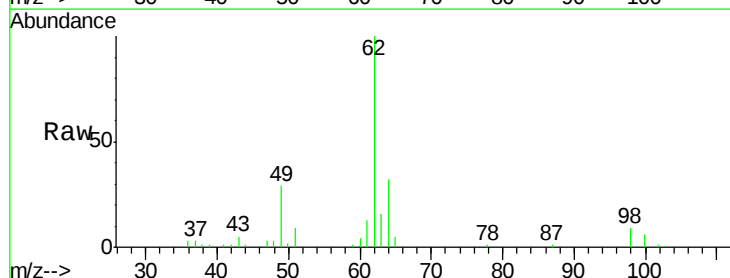
Manual Integrations  
APPROVED

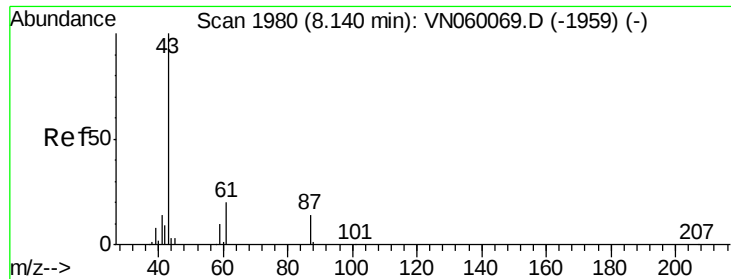
MMDadoda  
2/18/2020 9:26:50 AM



#42  
1,2-Dichloroethane  
Concen: 19.408 ug/l  
RT: 8.10 min Scan# 1969  
Delta R.T. 0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion   | 62    | Resp  | 62280 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 9.0   | 0.0   | 18.2  |





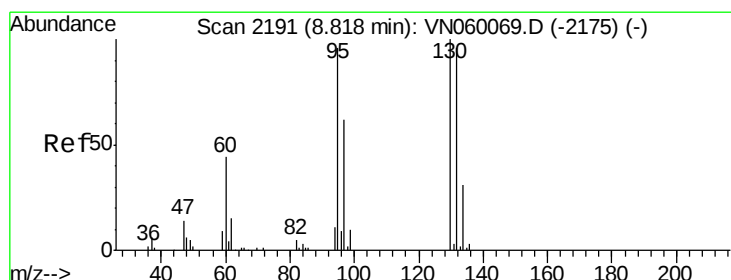
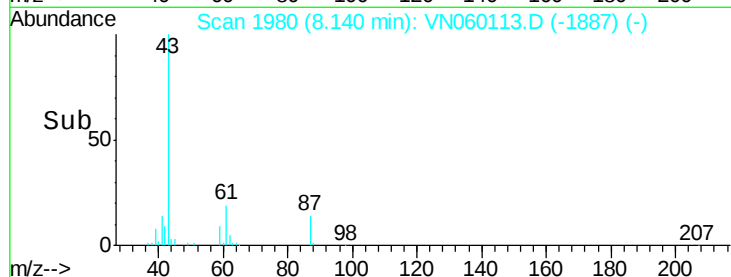
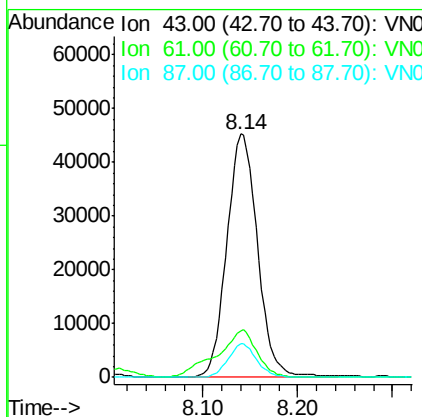
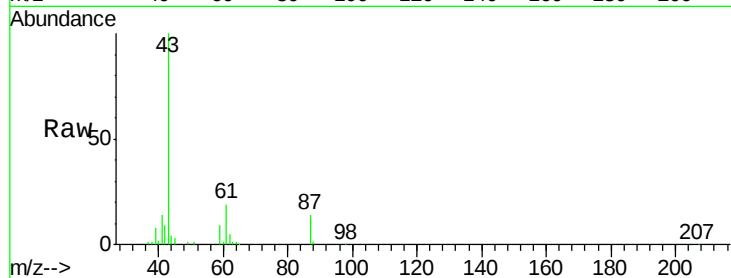
#43  
Isopropyl Acetate  
Concen: 21.456 ug/l  
RT: 8.14 min Scan# 1980  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 25.4  | 21.8  | 32.6  |
| 87      | 12.9  | 11.4  | 17.2  |

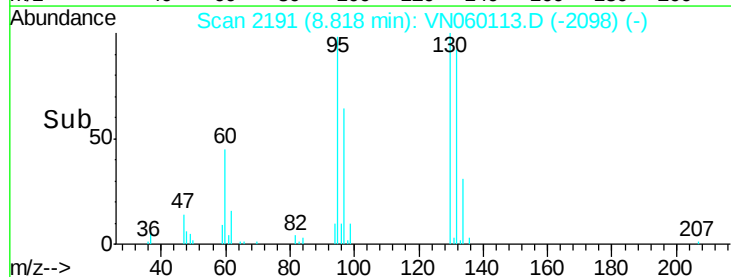
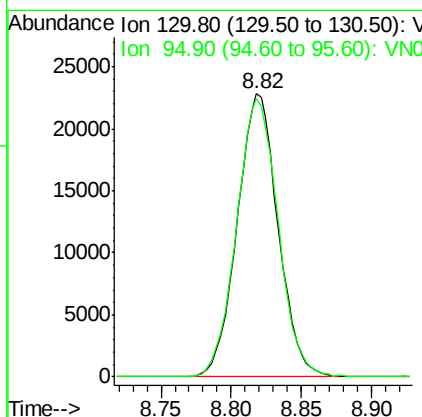
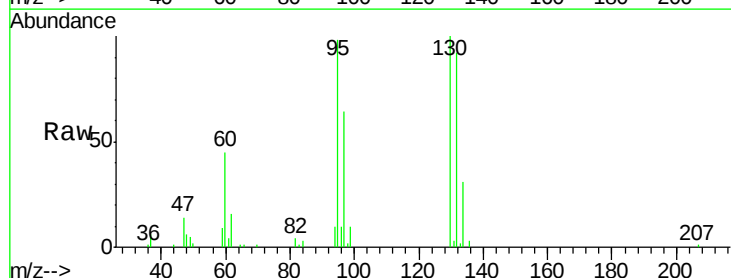
Manual Integrations  
APPROVED

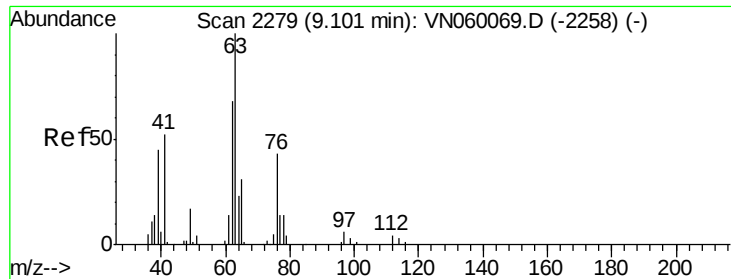
MMDadoda  
2/18/2020 9:26:50 AM



#44  
Trichloroethene  
Concen: 18.177 ug/l  
RT: 8.82 min Scan# 2191  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 98.2  | 0.0   | 192.4 |





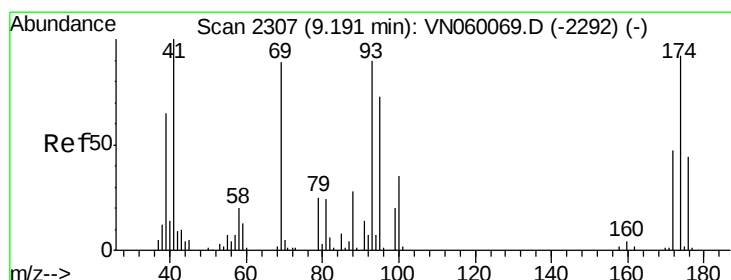
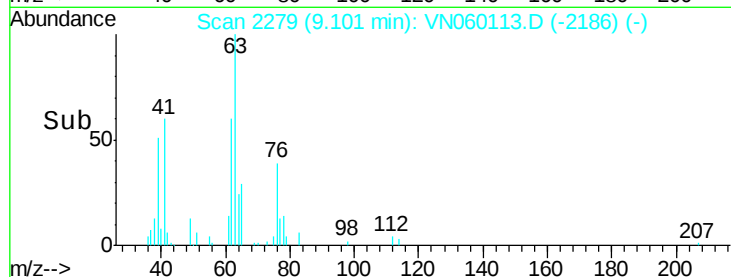
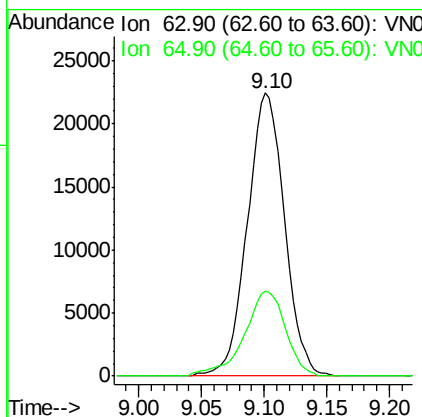
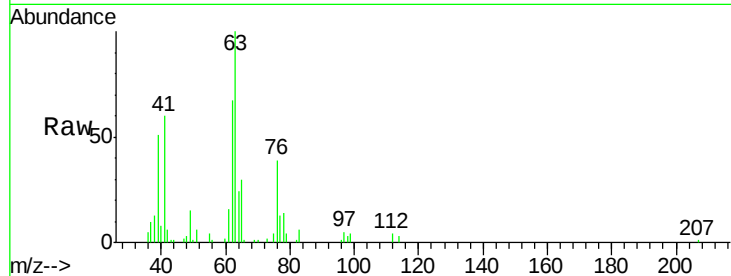
#45  
 1,2-Dichloropropane  
 Concen: 20.431 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0217WBS01

Tot Ion: 63 Resp: 46312  
 Ion Ratio Lower Upper  
 63 100  
 65 30.1 25.0 37.4

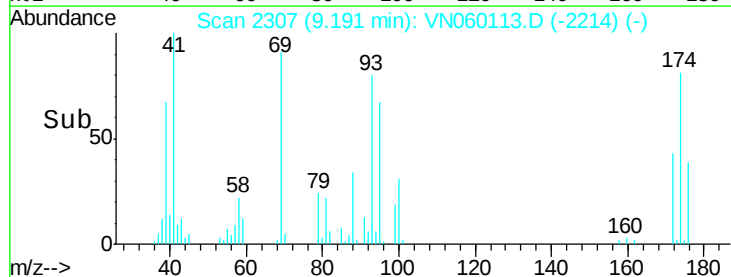
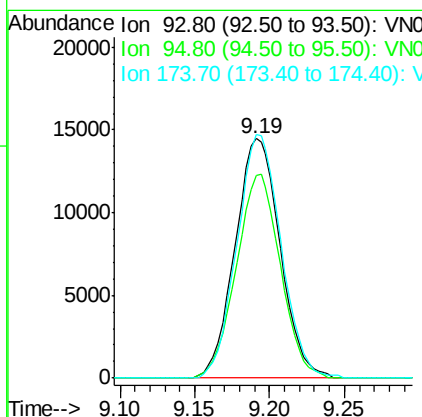
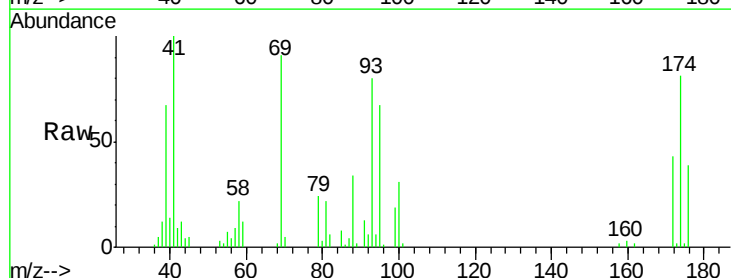
Manual Integrations  
 APPROVED

MMDadoda  
 2/18/2020 9:26:50 AM



#46  
 Dibromomethane  
 Concen: 18.931 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

Tgt Ion: 93 Resp: 30325  
 Ion Ratio Lower Upper  
 93 100  
 95 83.3 65.0 97.6  
 174 99.6 82.3 123.5





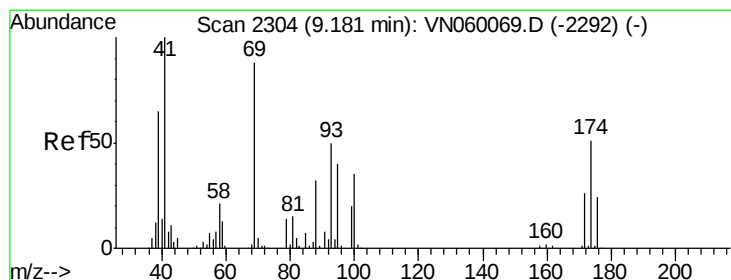
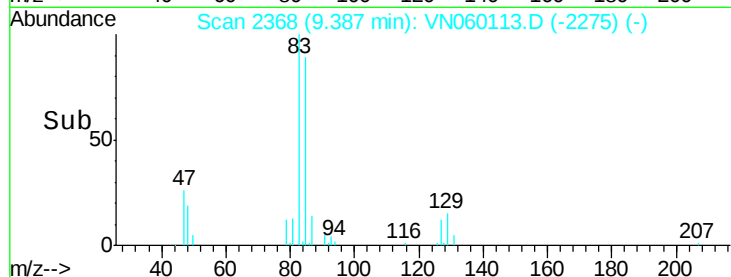
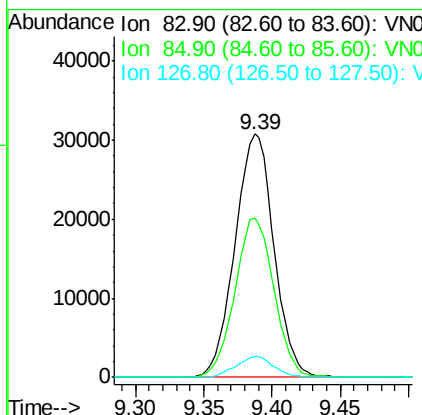
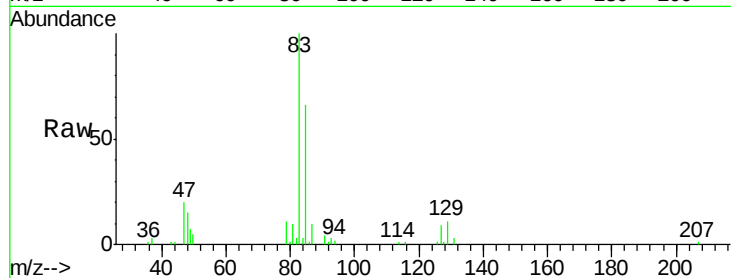
#47  
Bromodichloromethane  
Concen: 18.735 ug/l  
RT: 9.39 min Scan# 2368  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.6  | 50.6  | 75.8  |
| 127     | 8.5   | 7.0   | 10.6  |

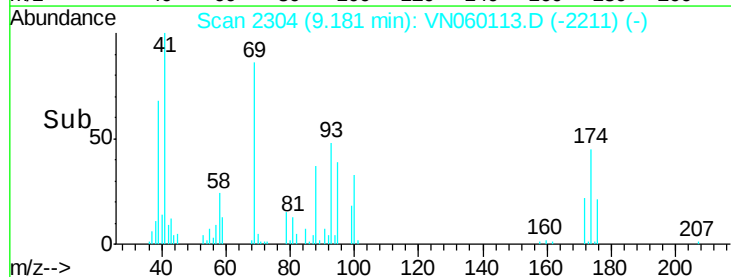
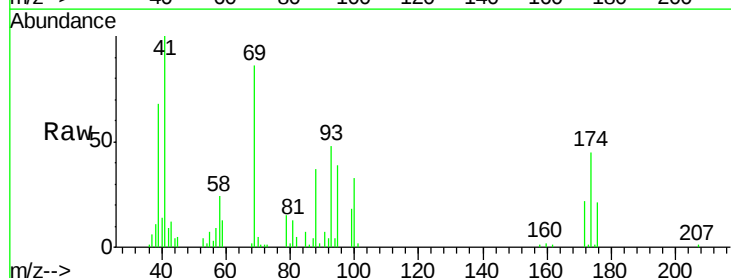
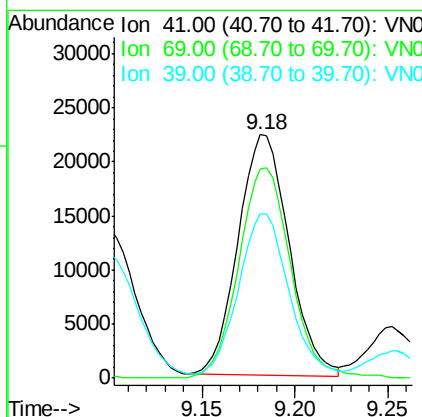
Manual Integrations  
APPROVED

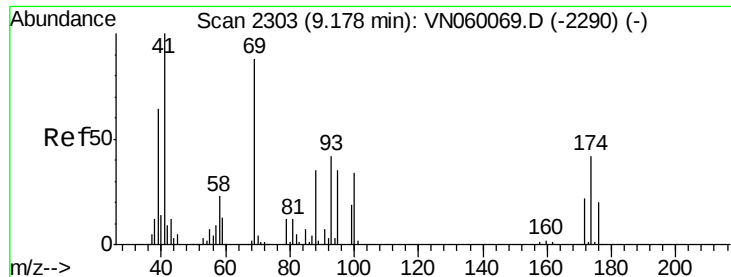
MMDadoda  
2/18/2020 9:26:50 AM



#48  
Methyl methacrylate  
Concen: 19.801 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 89.6  | 72.0  | 108.0 |
| 39      | 65.7  | 54.1  | 81.1  |





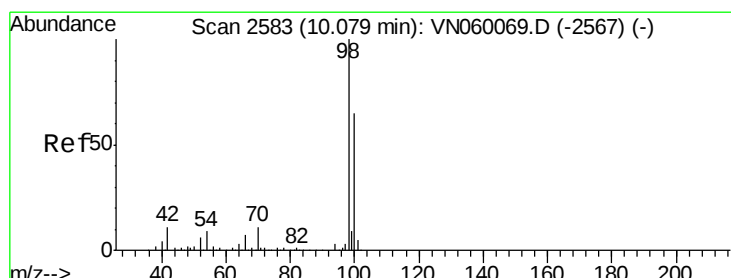
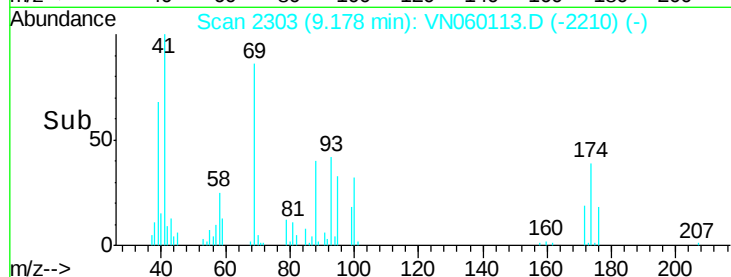
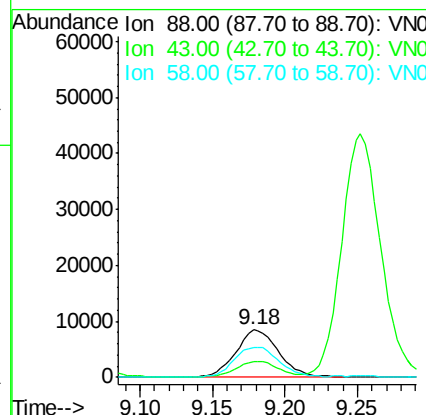
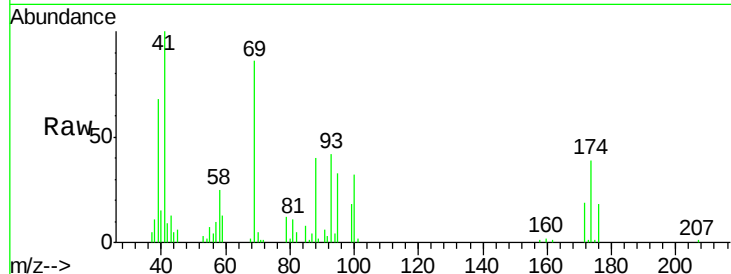
#49  
1,4-Dioxane  
Concen: 477.588 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

| Tot Ion | 88    | Resp  | 17458 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 34.3  | 26.2  | 39.2  |
| 58      | 67.0  | 53.2  | 79.8  |

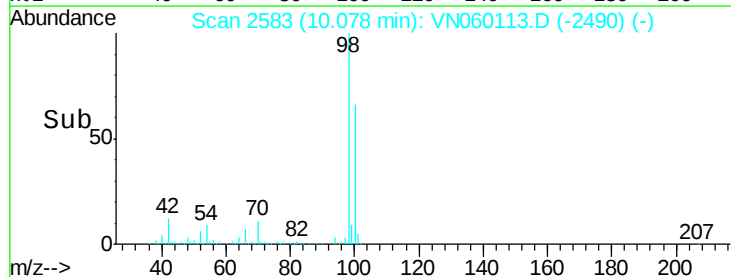
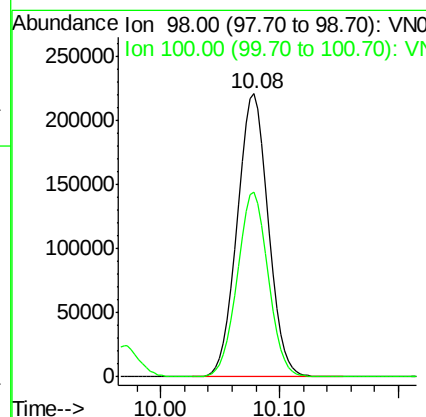
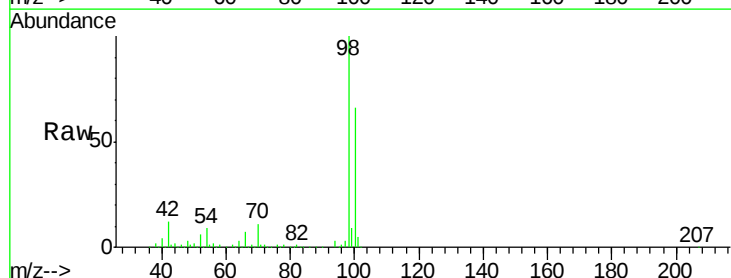
Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#50  
Toluene-d8  
Concen: 49.626 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion | 98    | Resp  | 400304 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 64.9  | 51.7  | 77.5   |





#51

4-Methyl-2-Pentanone

Concen: 109.480 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0217WBS01

Tot Ion: 43 Resp: 302171

Ion Ratio Lower Upper

43 100

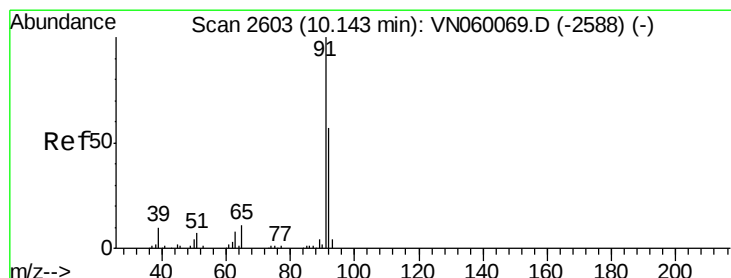
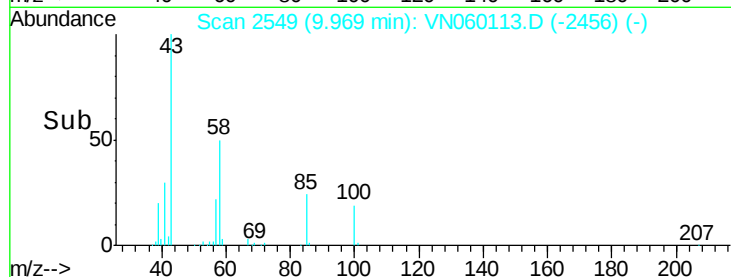
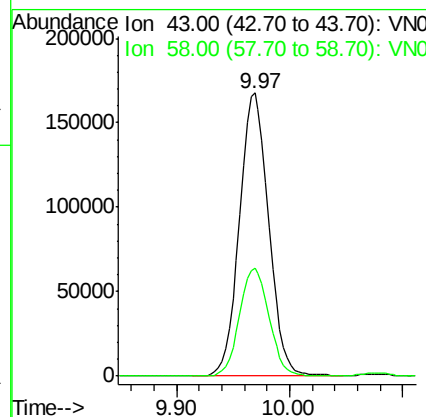
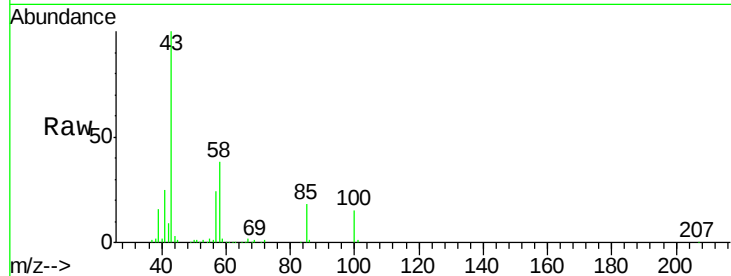
58 38.7 31.8 47.8

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:26:50 AM



#52

Toluene

Concen: 18.533 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060113.D

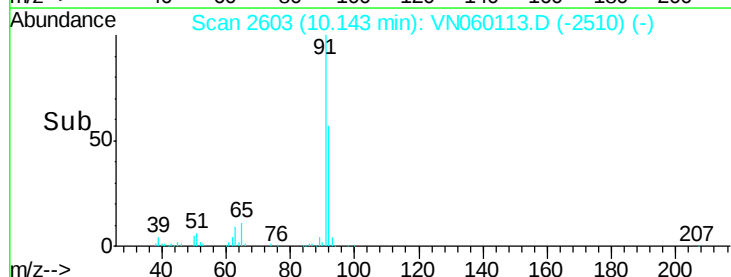
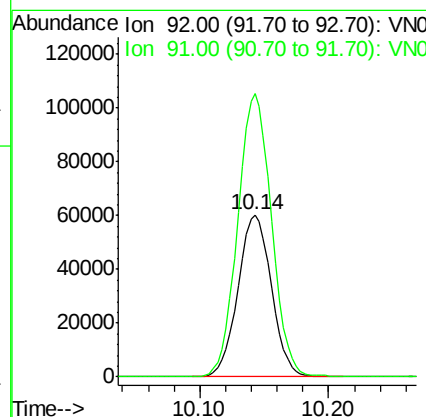
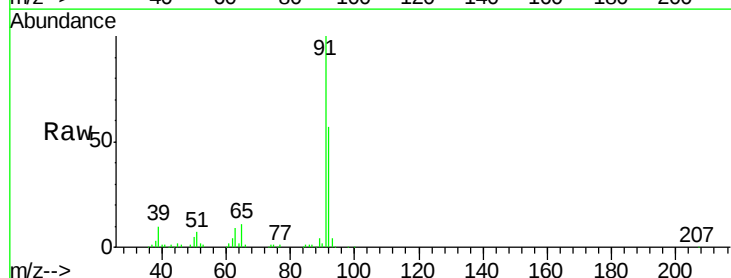
Acq: 17 Feb 2020 12:51

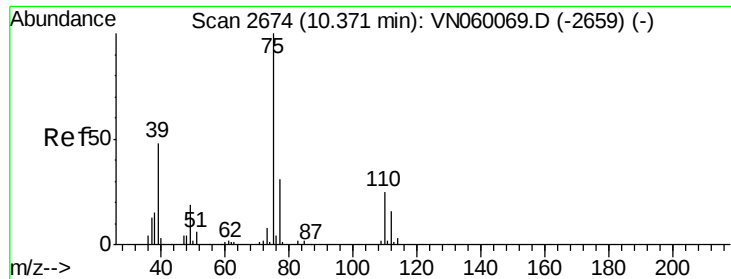
Tgt Ion: 92 Resp: 108814

Ion Ratio Lower Upper

92 100

91 176.2 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 19.286 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0217WBS01

Tot Ion: 75 Resp: 70895

Ion Ratio Lower Upper

75 100

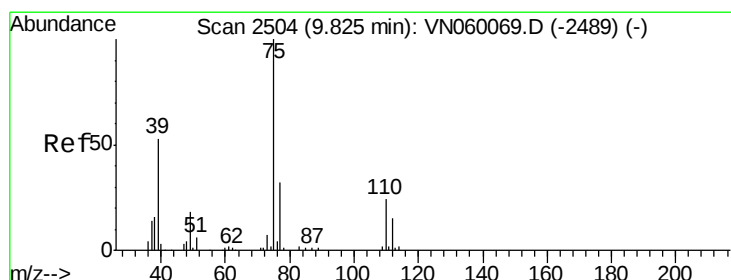
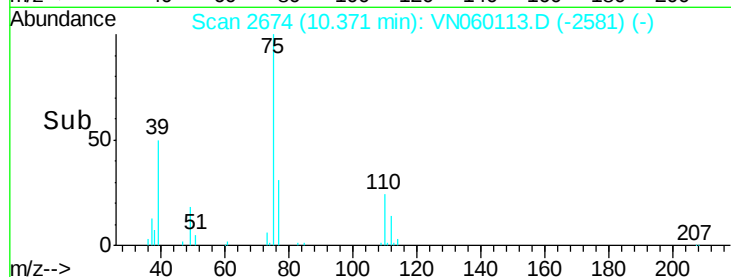
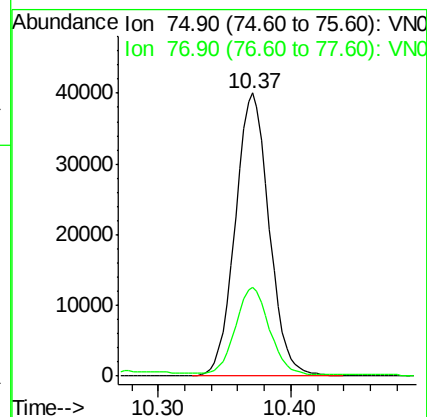
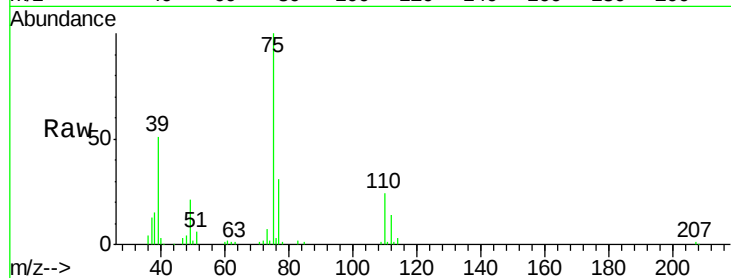
77 30.7 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:26:50 AM



#54

cis-1,3-Dichloropropene

Concen: 19.317 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

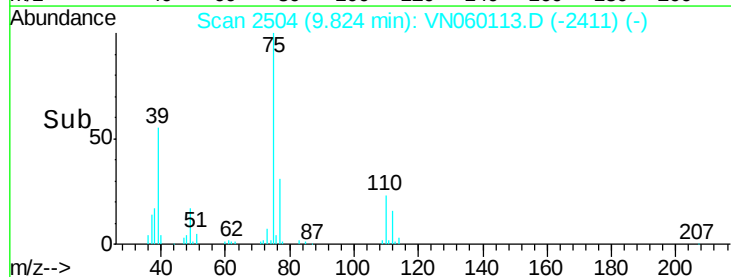
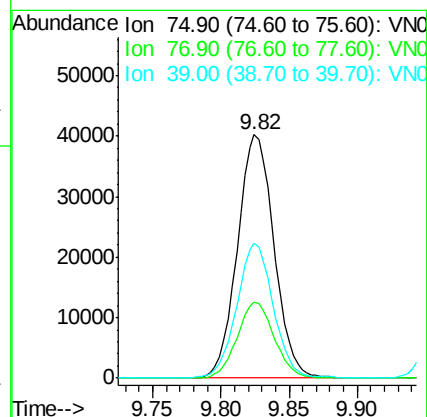
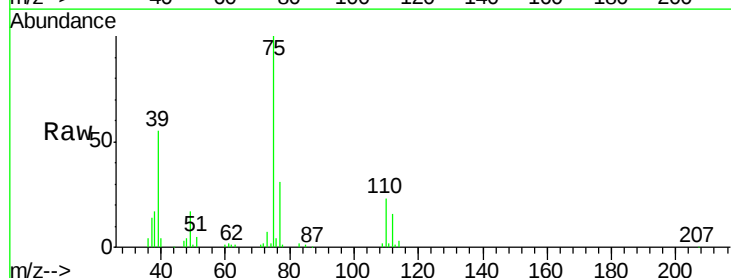
Tgt Ion: 75 Resp: 74773

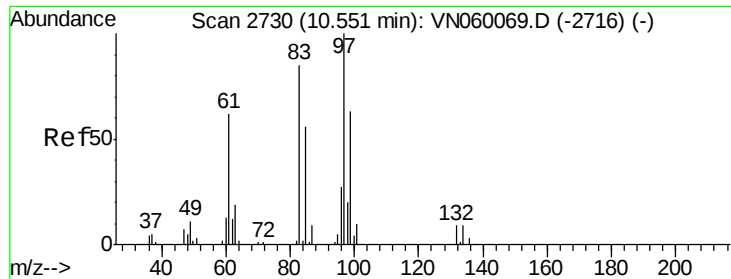
Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4

39 55.3 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 18.606 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

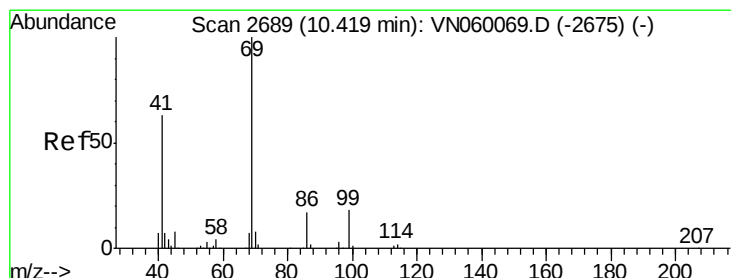
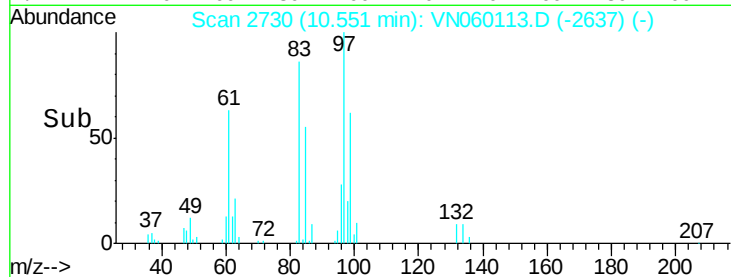
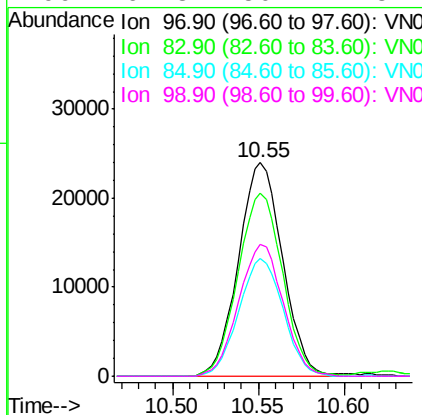
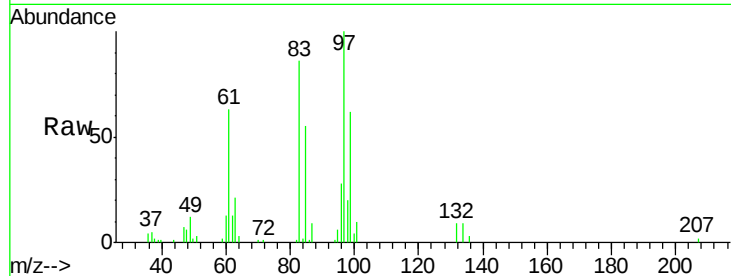
ClientSampleId :

VN0217WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 42619 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.0  | 67.9  | 101.9 |
| 85       | 55.1  | 44.6  | 67.0  |
| 99       | 61.8  | 50.1  | 75.1  |

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#56

Ethyl methacrylate

Concen: 19.545 ug/l

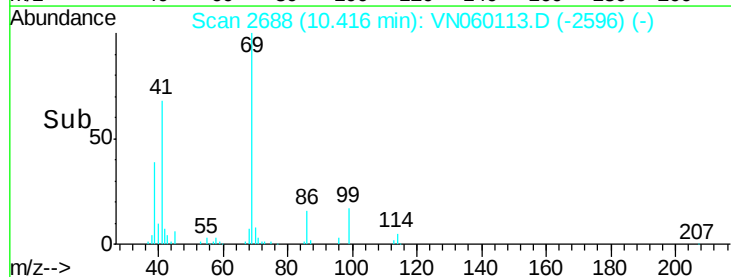
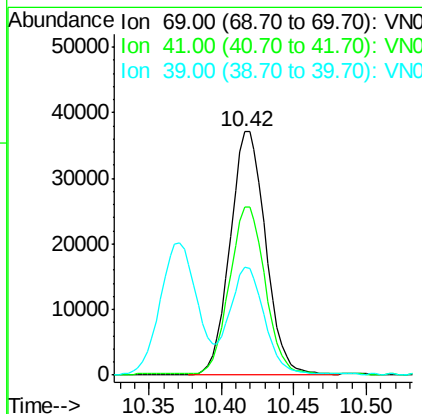
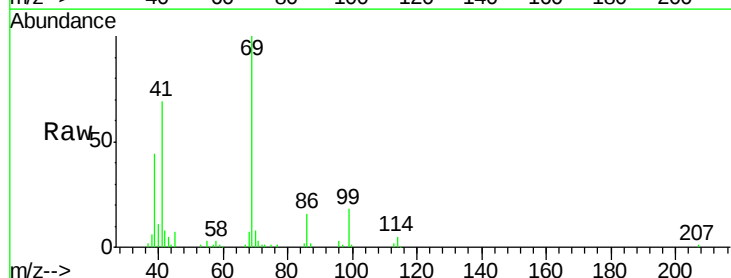
RT: 10.42 min Scan# 2688

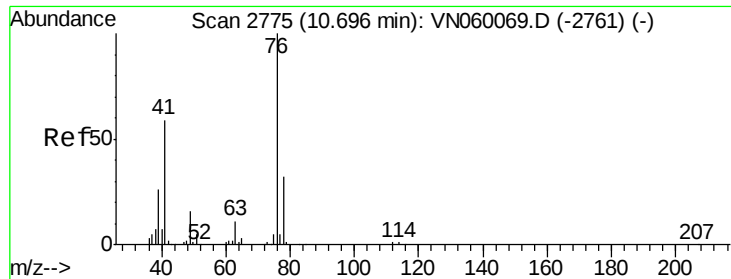
Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 63332 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 70.5  | 51.1  | 76.7  |
| 39       | 42.3  | 33.8  | 50.8  |





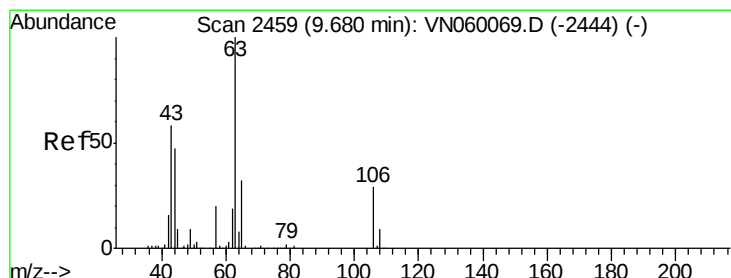
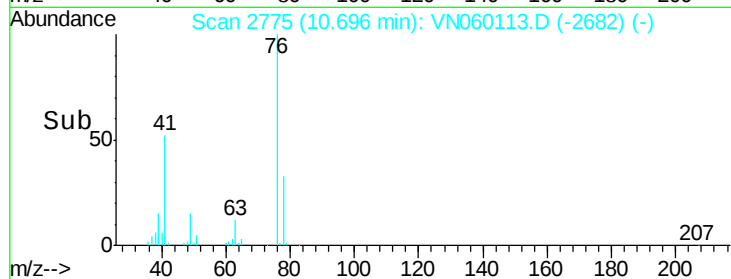
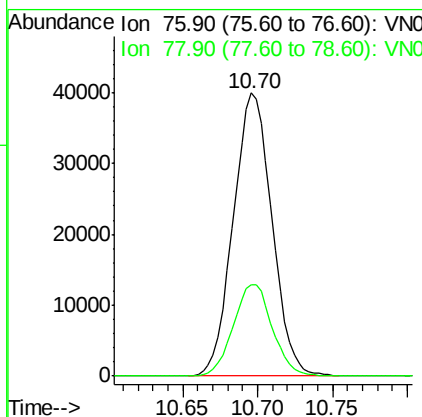
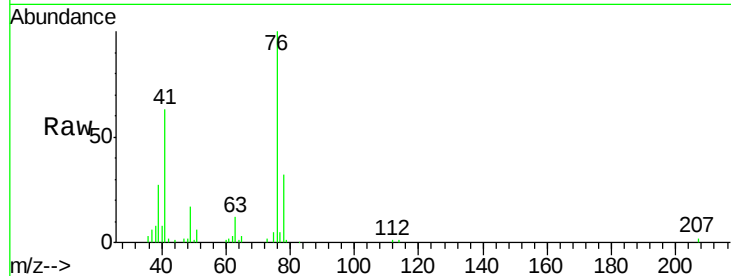
#57  
 1,3-Dichloropropane  
 Concen: 19.019 ug/l  
 RT: 10.70 min Scan# 2775  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.6  | 25.7  | 38.5  |

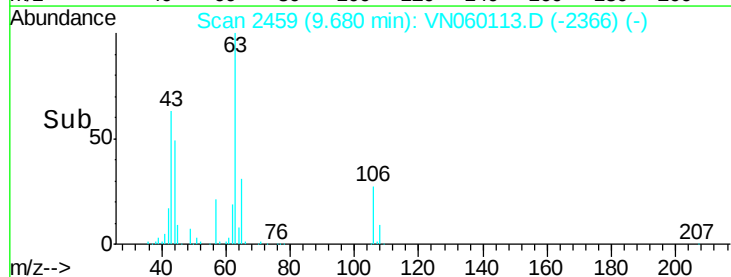
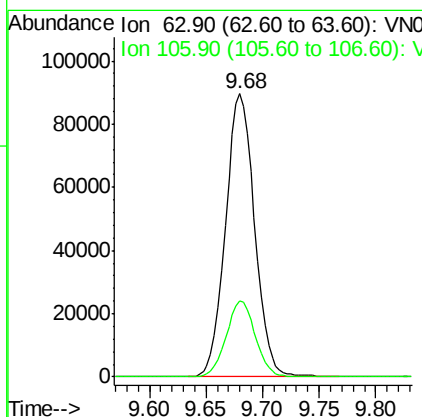
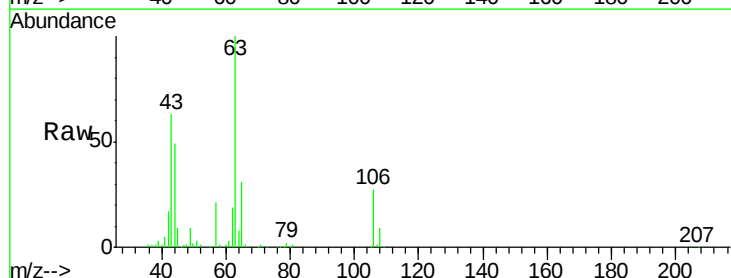
Manual Integrations  
 APPROVED

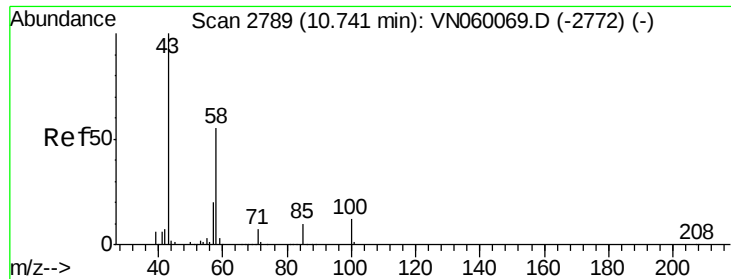
MMDadoda  
 2/18/2020 9:26:50 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 106.210 ug/l  
 RT: 9.68 min Scan# 2459  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 26.9  | 22.9  | 34.3  |





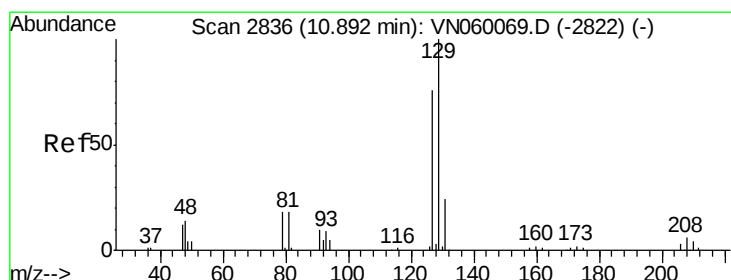
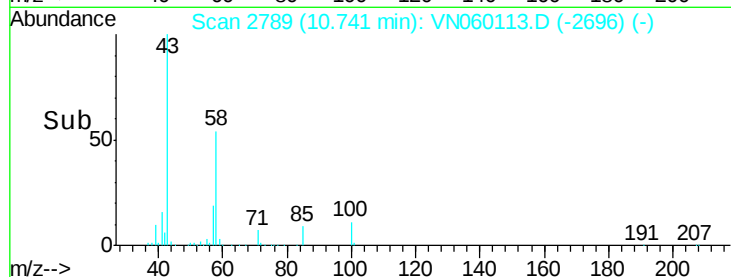
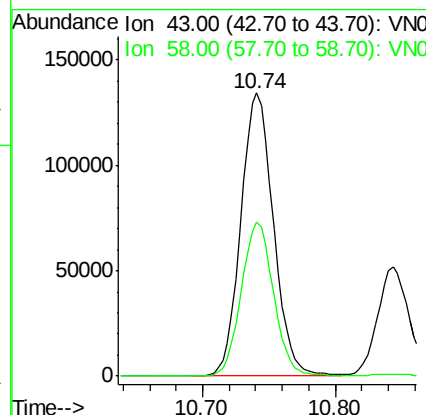
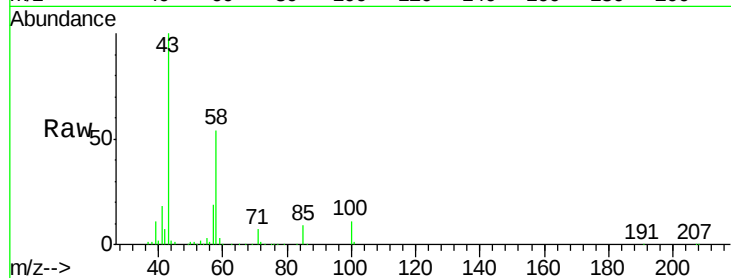
#59  
2-Hexanone  
Concen: 107.725 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

Tot Ion: 43 Resp: 229679  
Ion Ratio Lower Upper  
43 100  
58 53.9 27.5 82.4

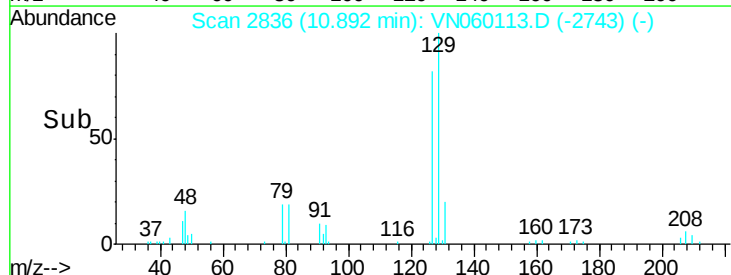
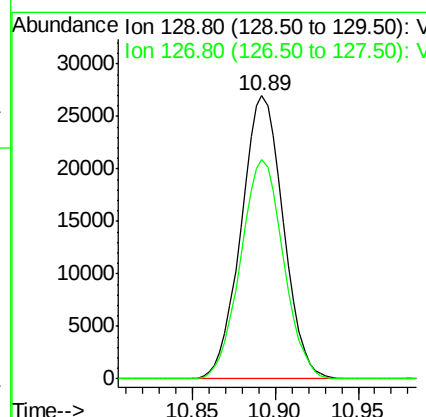
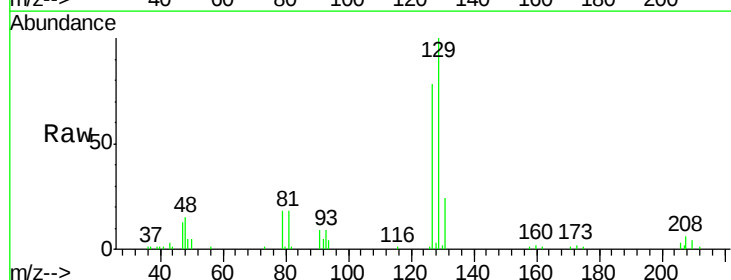
Manual Integrations  
APPROVED

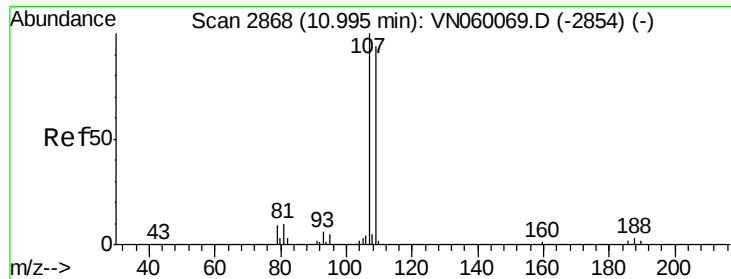
MMDadoda  
2/18/2020 9:26:50 AM



#60  
Dibromochloromethane  
Concen: 18.193 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Tgt Ion: 129 Resp: 47820  
Ion Ratio Lower Upper  
129 100  
127 78.3 38.0 114.1





#61

1,2-Dibromoethane

Concen: 18.723 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0217WBS01

Tot Ion:107 Resp: 44957

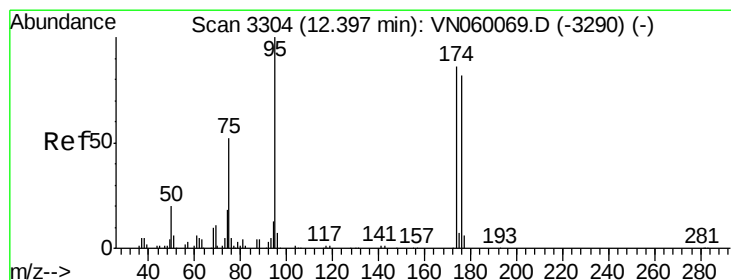
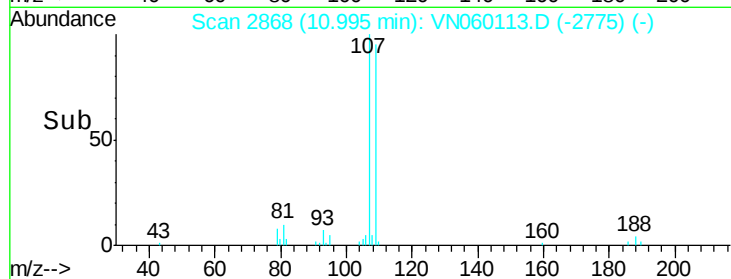
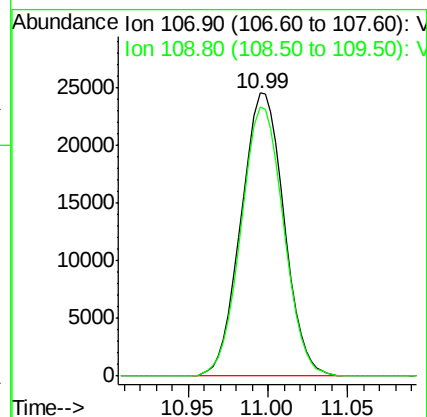
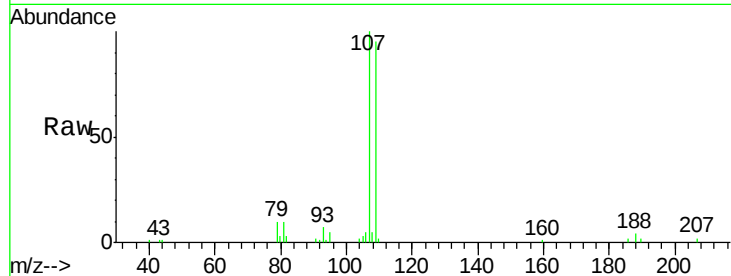
Ion Ratio Lower Upper

107 100

109 94.4 75.4 113.0

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#62

4-Bromofluorobenzene

Concen: 48.952 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

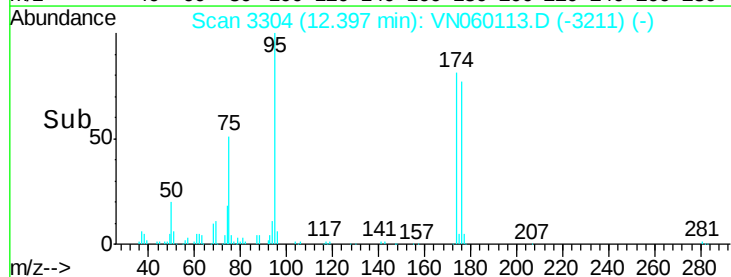
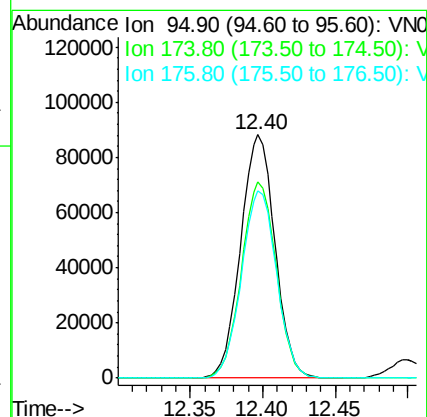
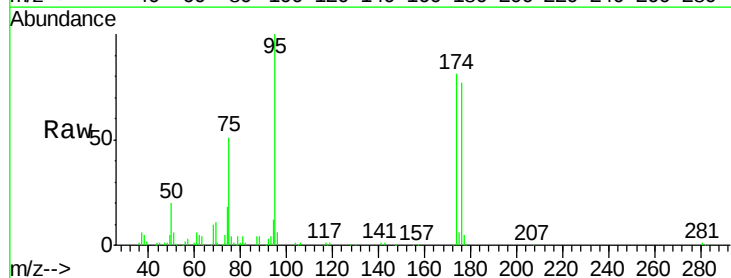
Tgt Ion: 95 Resp: 145096

Ion Ratio Lower Upper

95 100

174 81.5 0.0 169.8

176 78.7 0.0 164.8





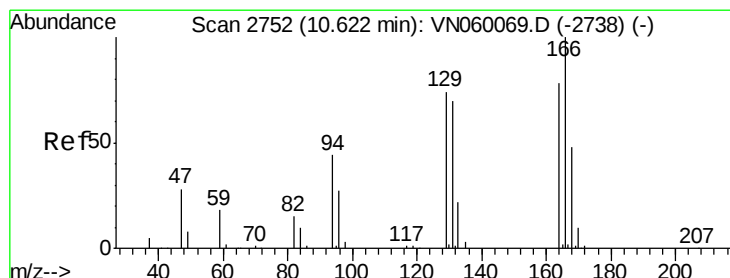
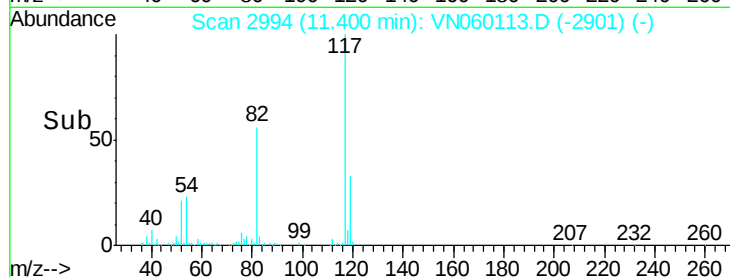
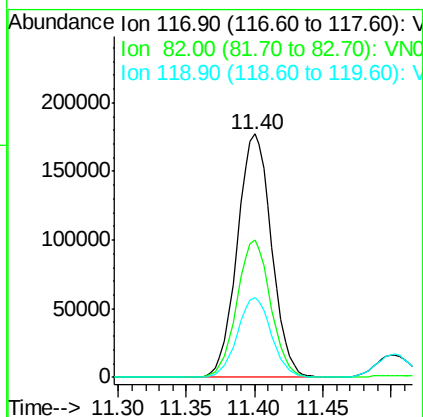
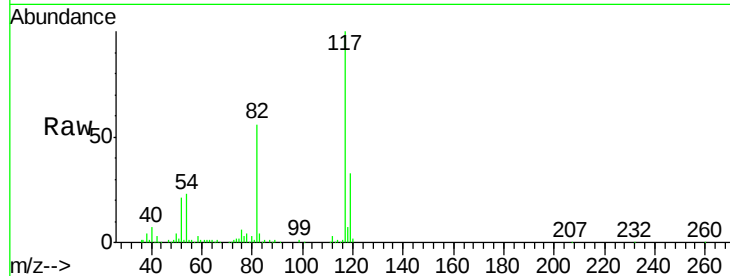
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.3  | 43.4  | 65.0  |
| 119     | 32.7  | 25.8  | 38.6  |

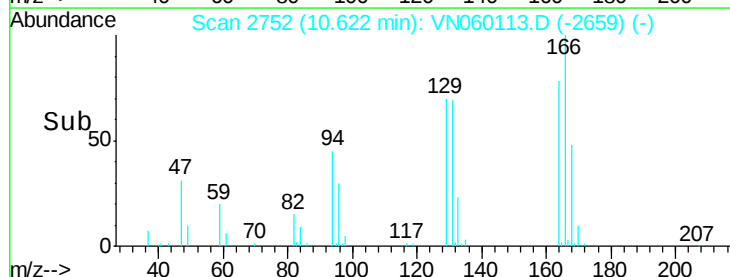
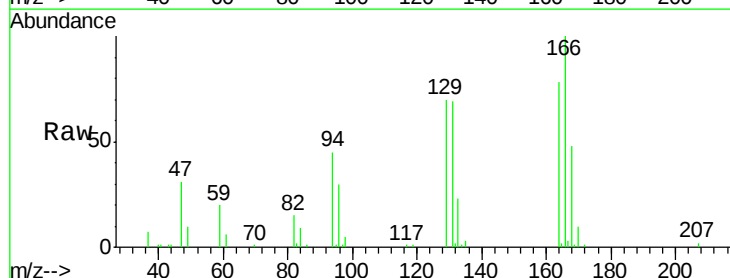
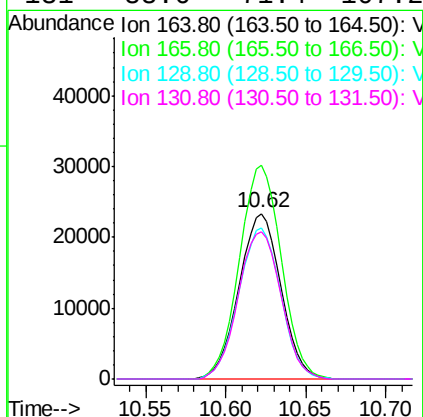
Manual Integrations  
APPROVED

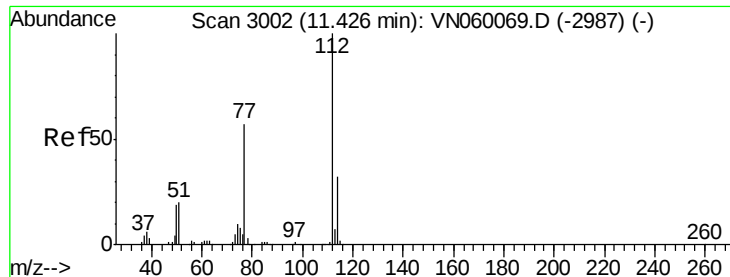
MMDadoda  
2/18/2020 9:26:50 AM



#64  
Tetrachloroethene  
Concen: 17.817 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.9 | 101.9 | 152.9 |
| 129     | 90.9  | 75.4  | 113.0 |
| 131     | 88.6  | 71.4  | 107.2 |





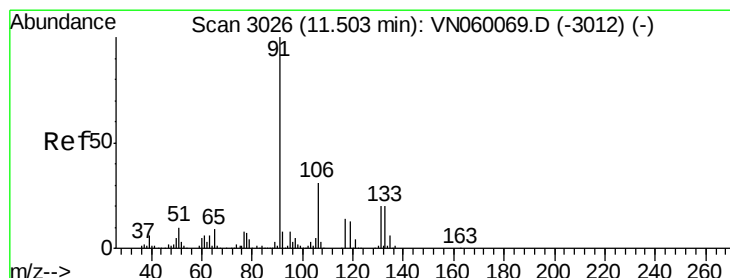
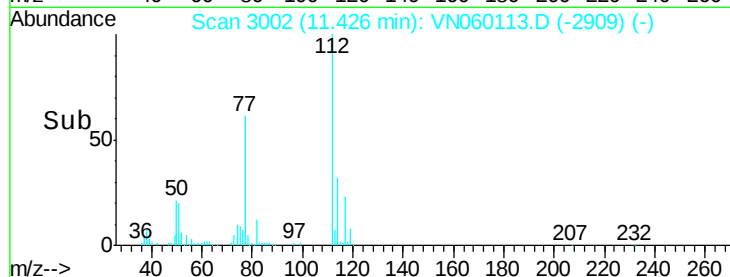
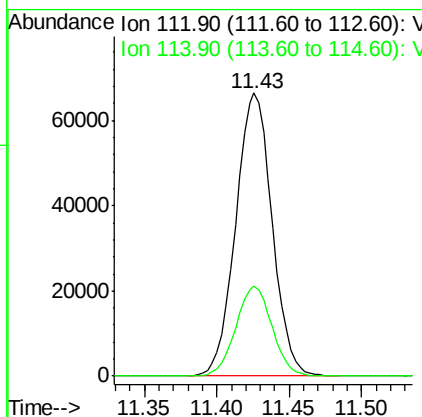
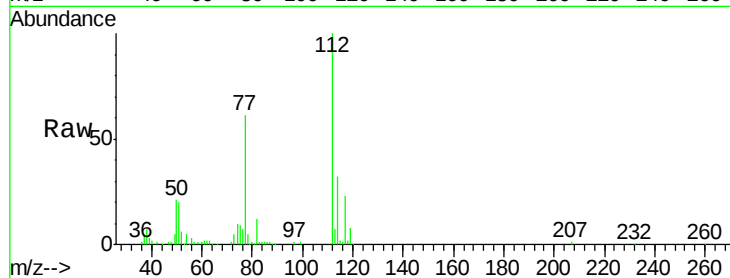
#65  
Chlorobenzene  
Concen: 18.351 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

Tot Ion:112 Resp: 115574  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.4 38.0

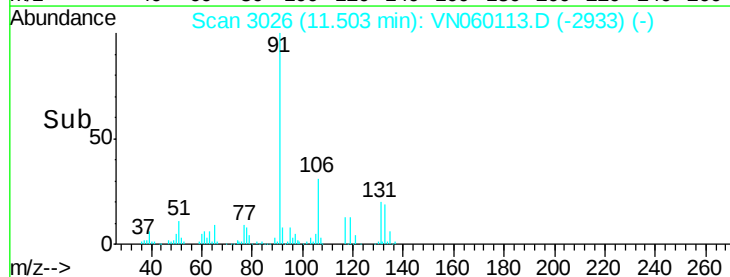
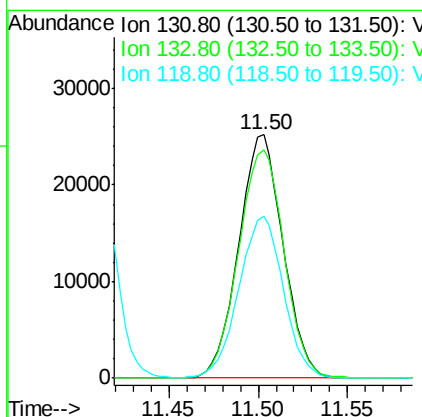
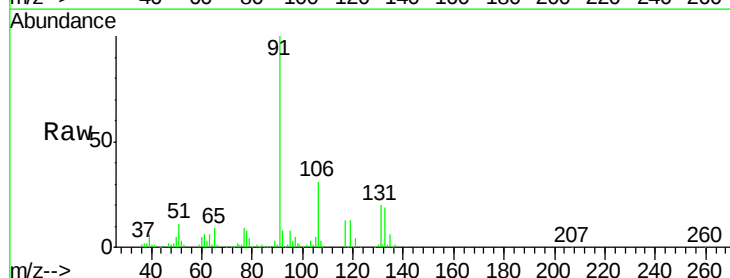
Manual Integrations  
APPROVED

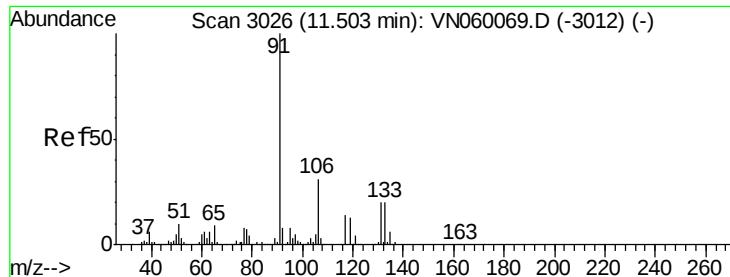
MMDadoda  
2/18/2020 9:26:50 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.371 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Tgt Ion:131 Resp: 43769  
Ion Ratio Lower Upper  
131 100  
133 96.7 47.9 143.7  
119 67.0 32.6 97.7





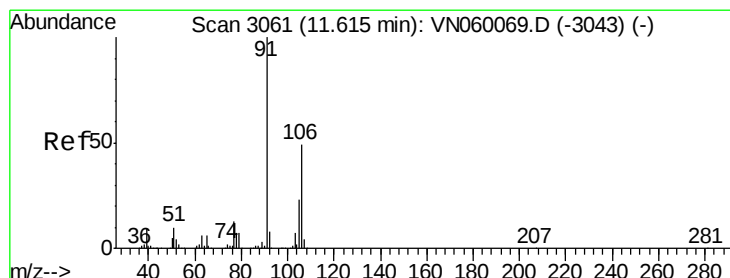
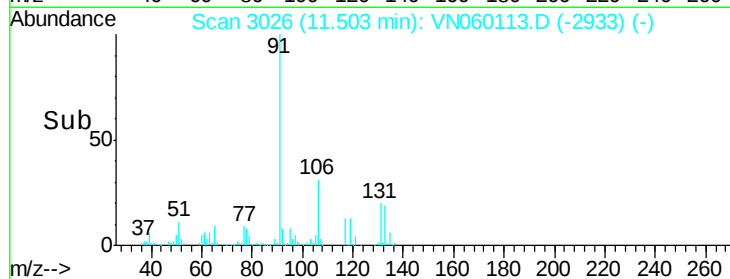
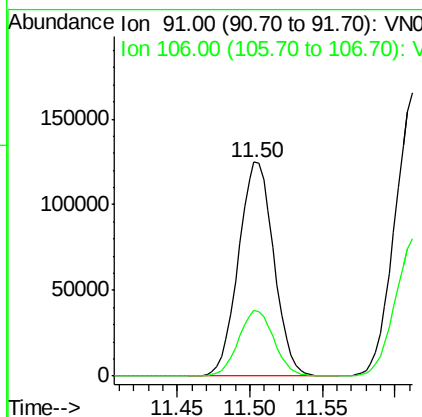
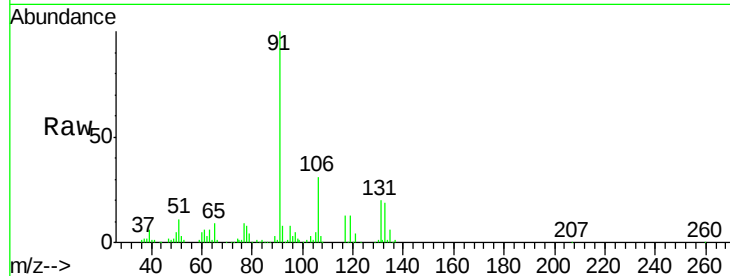
#67  
Ethyl Benzene  
Concen: 18.691 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

Tot Ion: 91 Resp: 212307  
Ion Ratio Lower Upper  
91 100  
106 30.7 25.1 37.7

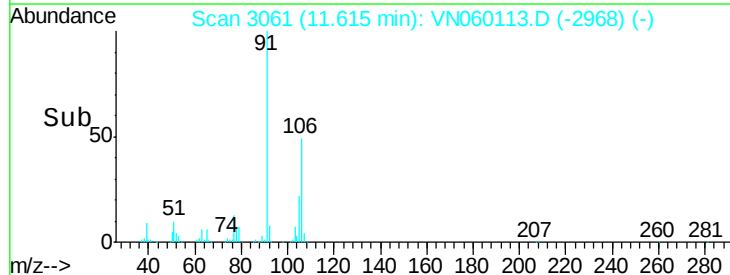
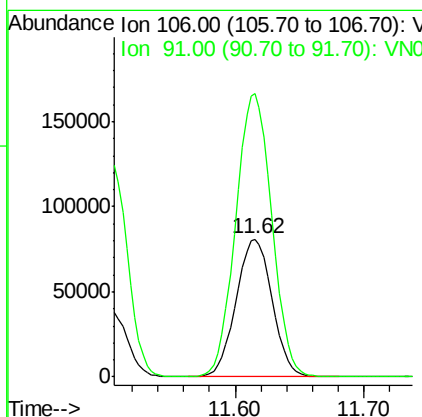
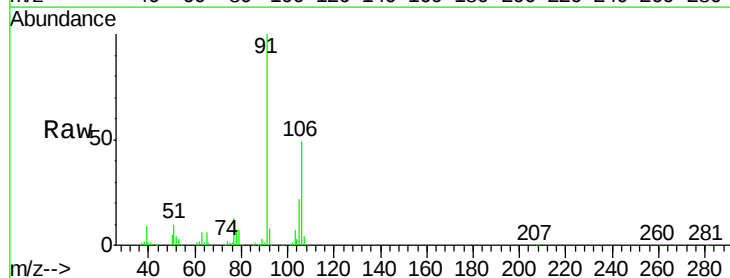
Manual Integrations  
APPROVED

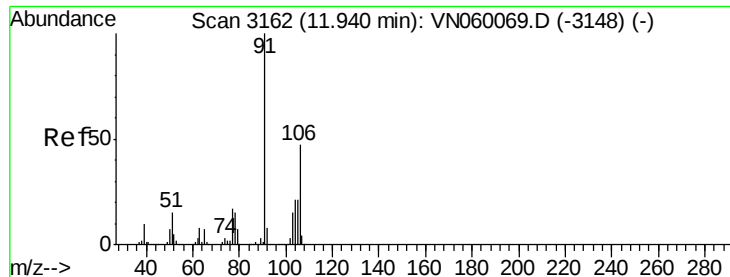
MMDadoda  
2/18/2020 9:26:50 AM



#68  
m/p-Xylenes  
Concen: 36.834 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Tgt Ion: 106 Resp: 157030  
Ion Ratio Lower Upper  
106 100  
91 205.7 162.7 244.1





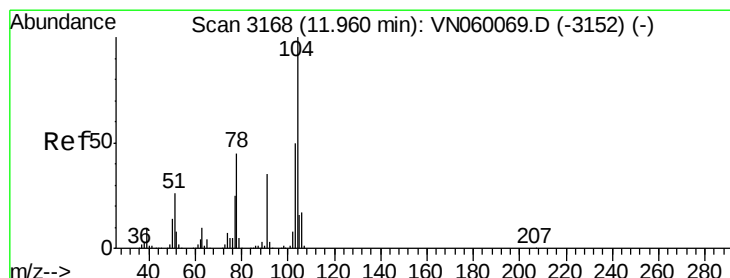
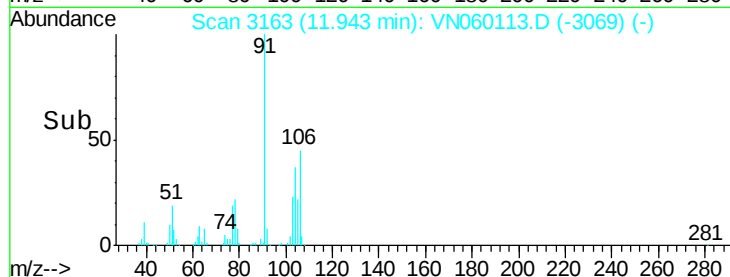
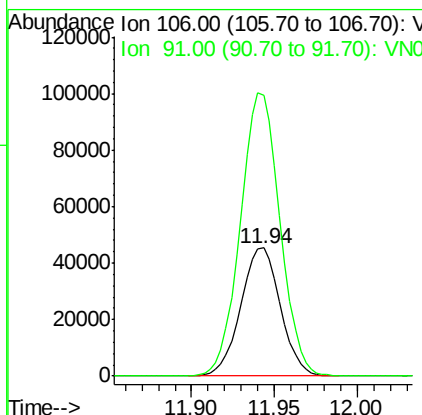
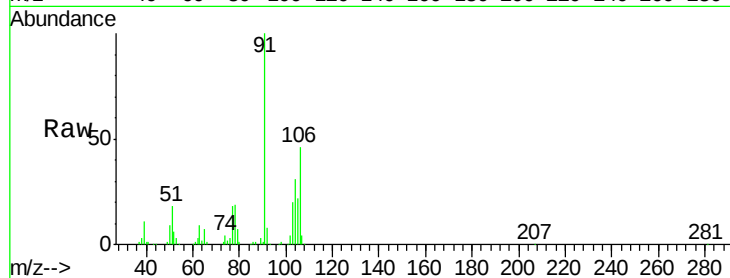
#69  
o-Xylene  
Concen: 18.418 ug/l  
RT: 11.94 min Scan# 3163  
Delta R.T. 0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0217WBS01

Tot Ion:106 Resp: 75601  
Ion Ratio Lower Upper  
106 100  
91 219.4 107.2 321.6

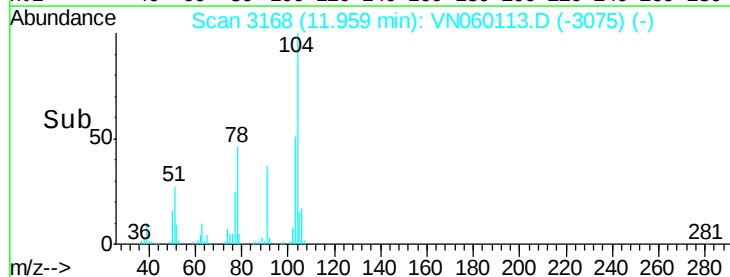
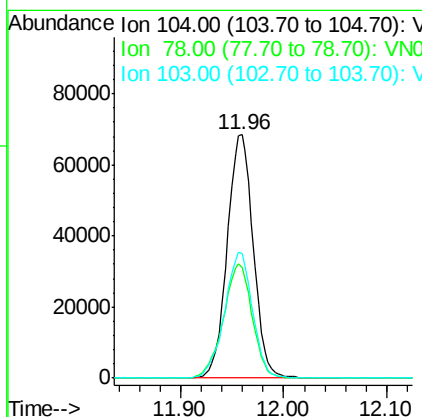
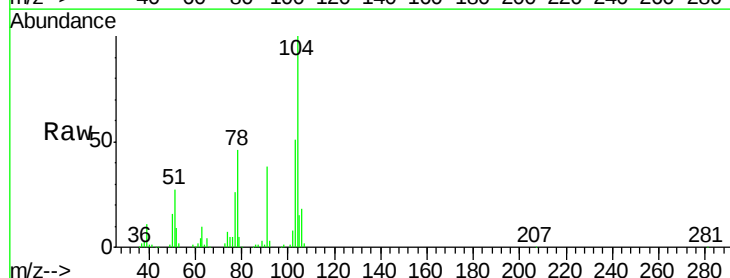
Manual Integrations  
APPROVED

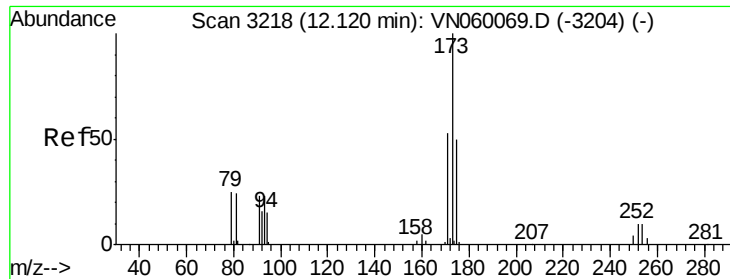
MMDadoda  
2/18/2020 9:26:50 AM



#70  
Styrene  
Concen: 18.243 ug/l  
RT: 11.96 min Scan# 3168  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Tgt Ion:104 Resp: 120753  
Ion Ratio Lower Upper  
104 100  
78 51.7 40.2 60.2  
103 55.3 44.3 66.5





#71

Bromoform

Concen: 18.072 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

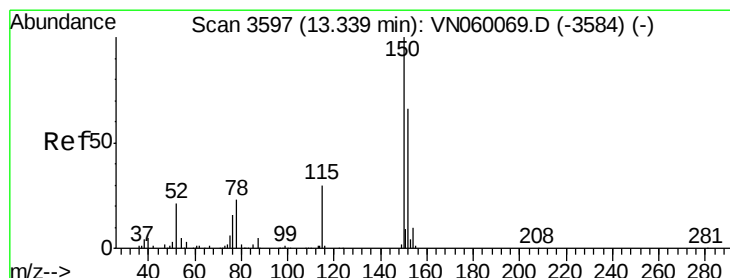
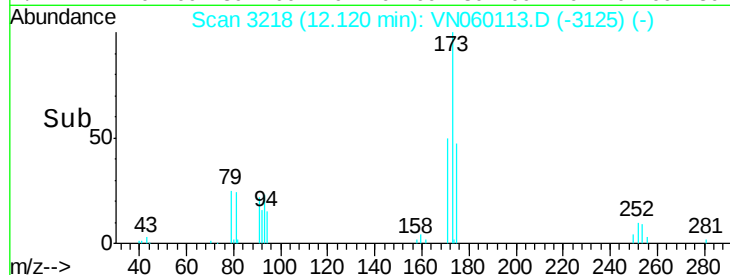
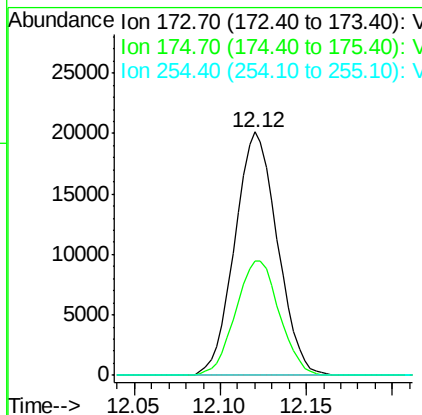
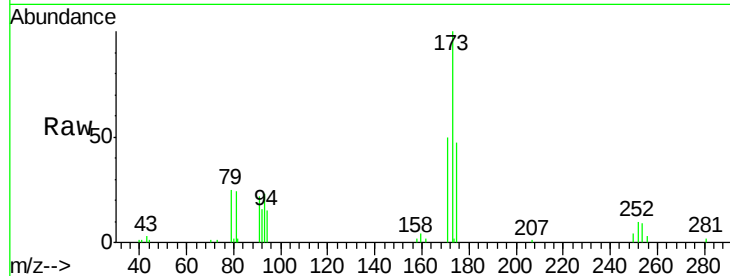
ClientSampleId :

VN0217WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 34631 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.2  | 24.9  | 74.6  |
| 254       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

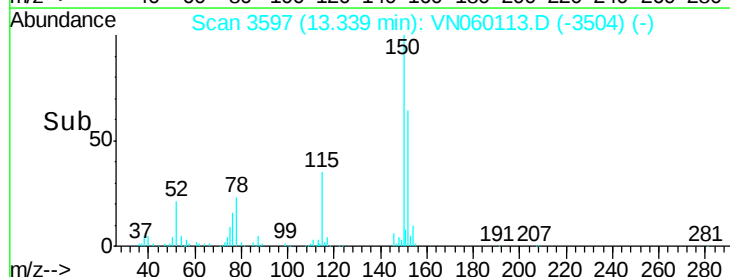
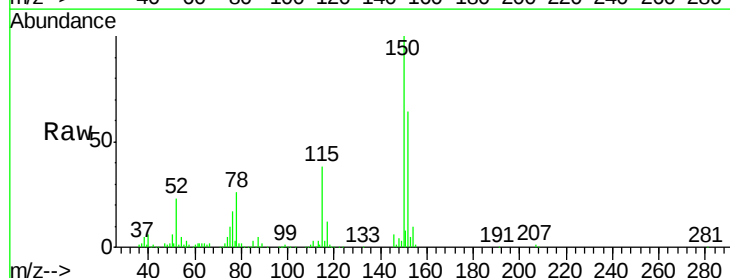
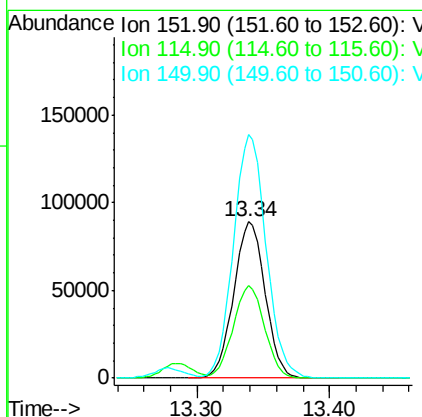
RT: 13.34 min Scan# 3597

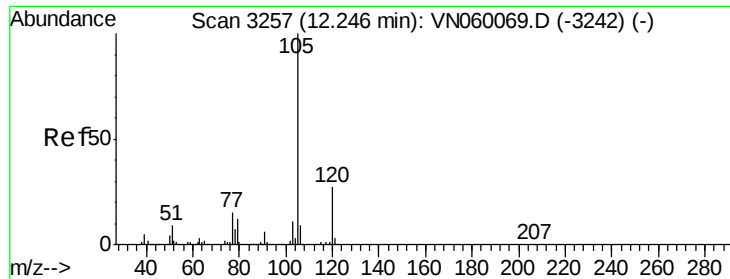
Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 146711 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 59.1  | 28.9  | 86.8   |
| 150       | 162.6 | 0.0   | 342.4  |





#73

Isopropylbenzene

Concen: 18.924 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

ClientSampled :

VN0217WBS01

Tot Ion: 105 Resp: 207324

Ion Ratio Lower Upper

105 100

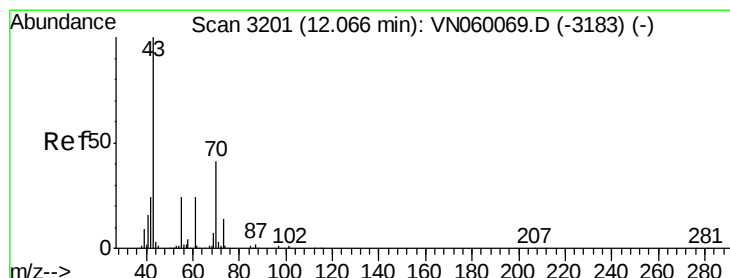
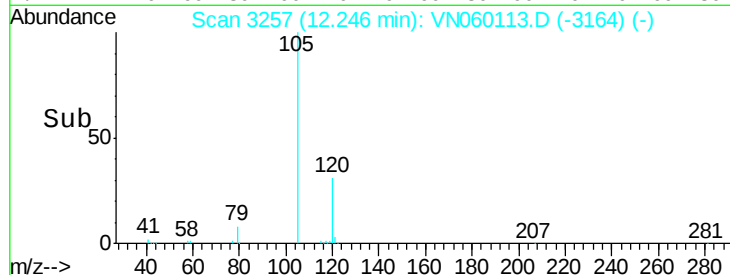
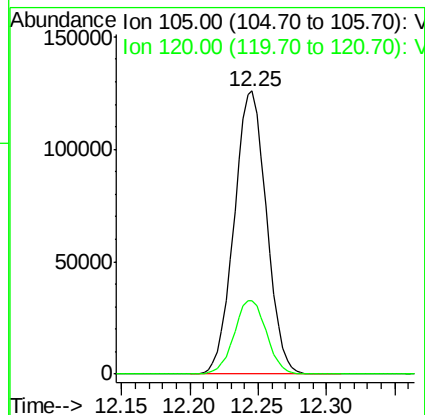
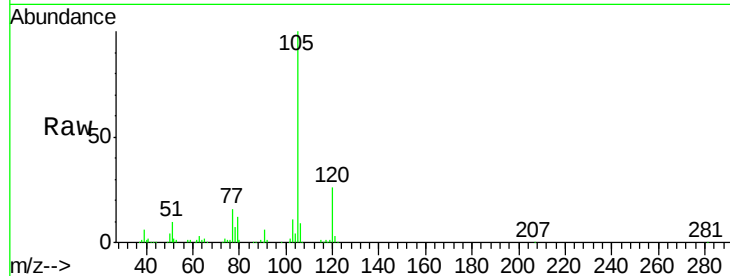
120 25.9 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

2/18/2020 9:26:50 AM



#74

N-ethyl acetate

Concen: 21.239 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Tgt Ion: 43 Resp: 83906

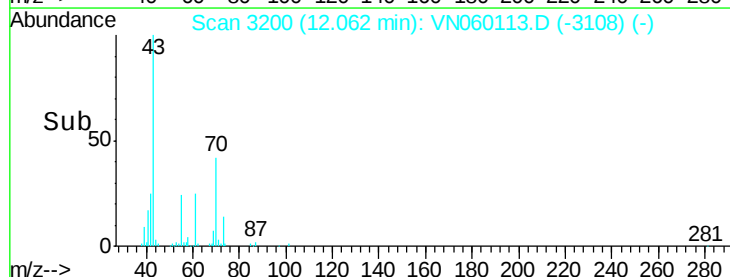
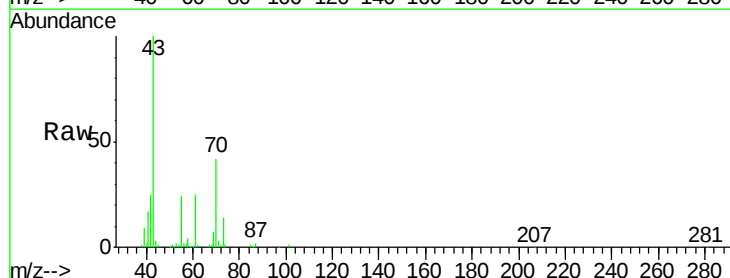
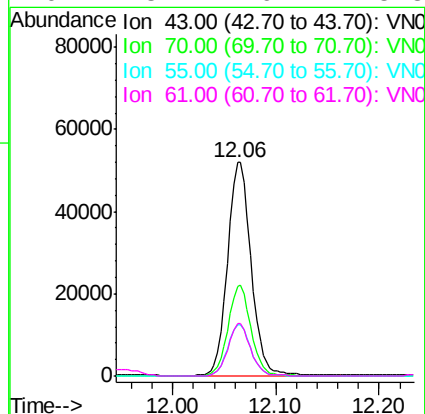
Ion Ratio Lower Upper

43 100

70 40.7 33.4 50.0

55 23.3 18.8 28.2

61 23.2 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.257 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

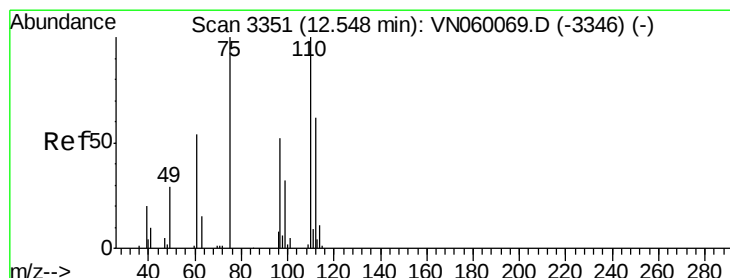
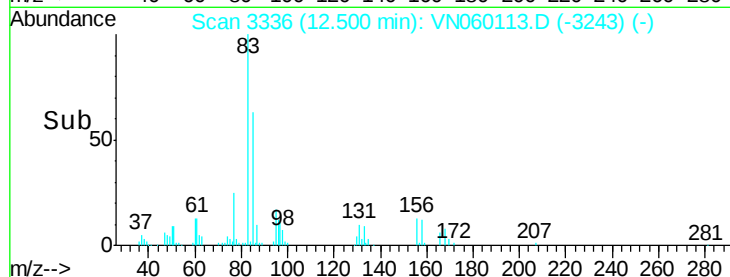
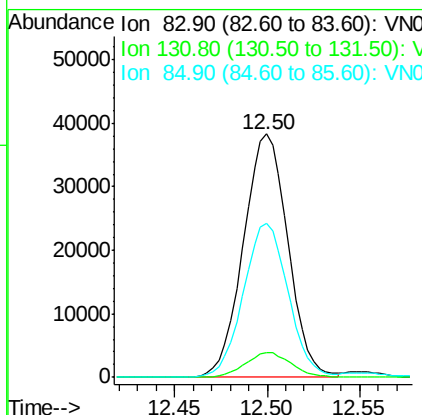
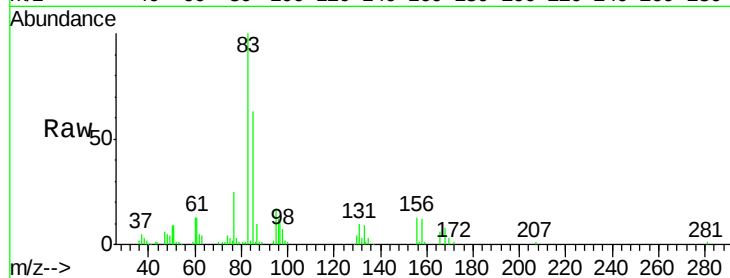
ClientSampleId :

VN0217WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 63880 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.5  | 5.2   | 15.6  |
| 85        | 63.5  | 32.3  | 96.9  |

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#76

1,2,3-Trichloropropane

Concen: 20.842 ug/l m

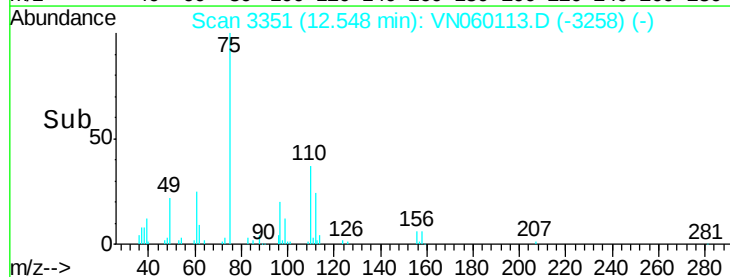
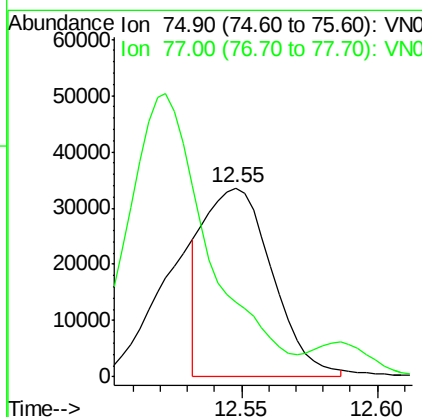
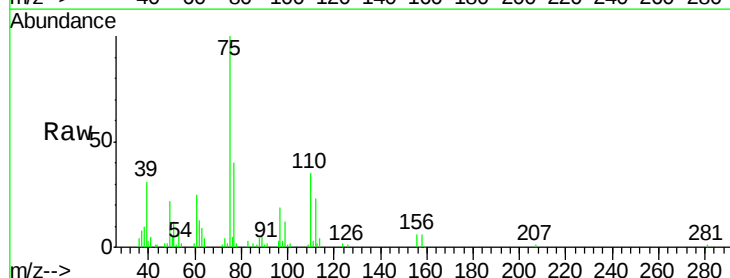
RT: 12.55 min Scan# 3351

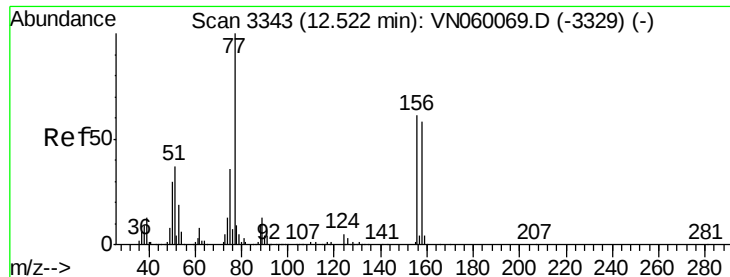
Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 58500 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 18.357 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

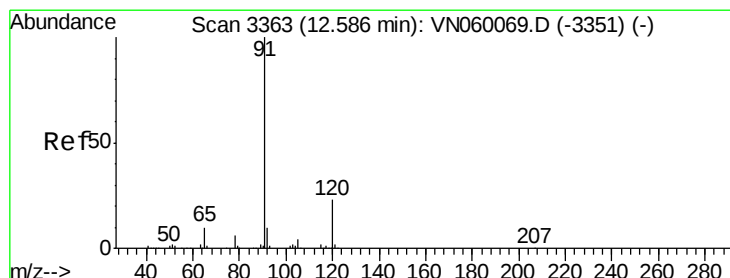
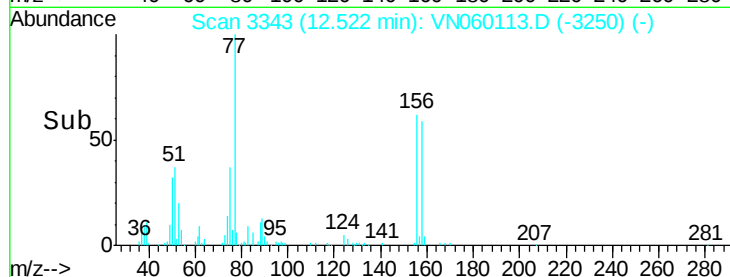
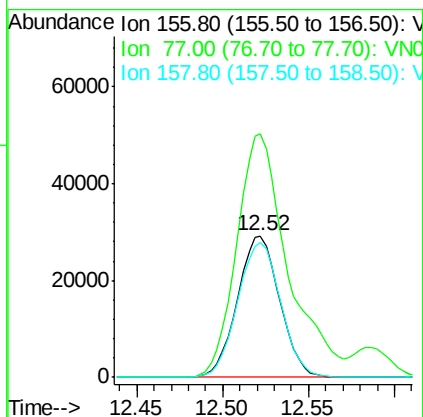
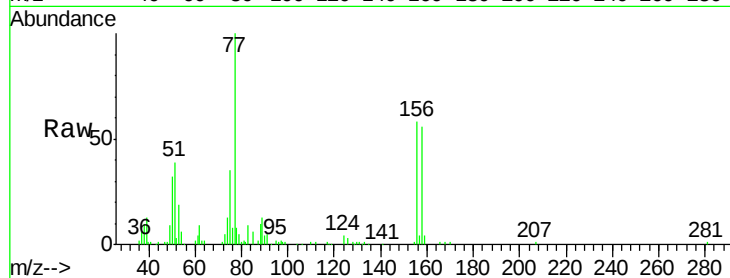
ClientSampleId :

VN0217WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 49910 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 208.2 | 98.7  | 296.1 |
| 158       | 97.4  | 48.1  | 144.4 |

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#78

n-propylbenzene

Concen: 18.800 ug/l

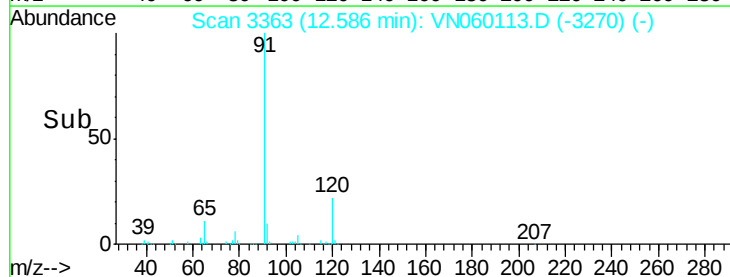
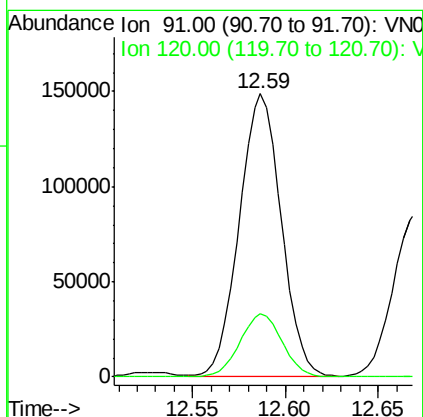
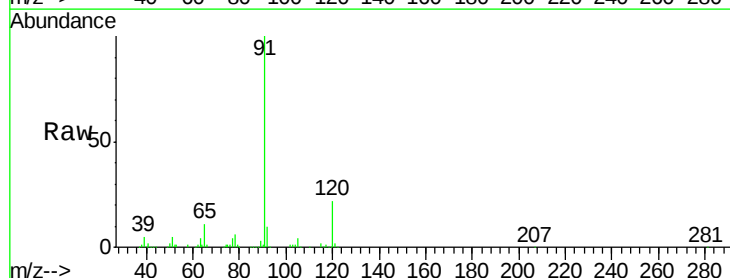
RT: 12.59 min Scan# 3363

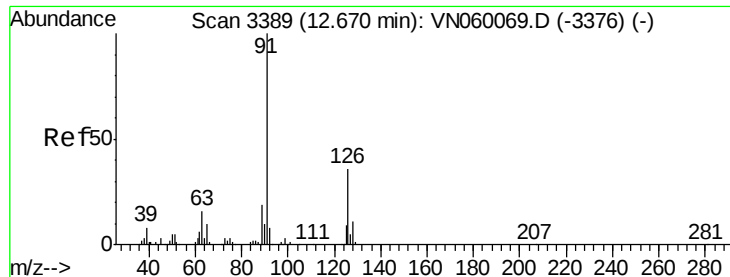
Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 234663 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.4  | 11.5  | 34.5   |





#79

2-Chlorotoluene

Concen: 19.135 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0217WBS01

Tot Ion: 91 Resp: 140383

Ion Ratio Lower Upper

91 100

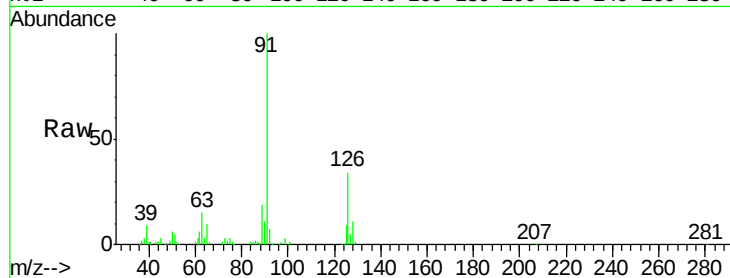
126 33.1 17.4 52.2

Manual Integrations

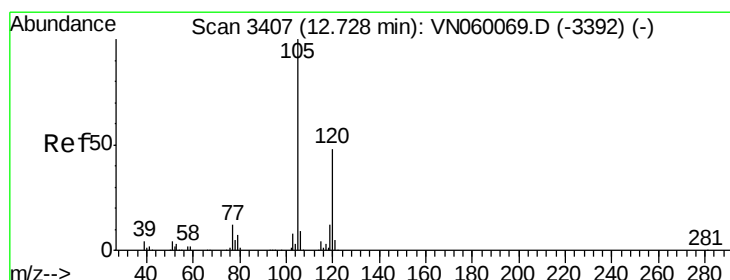
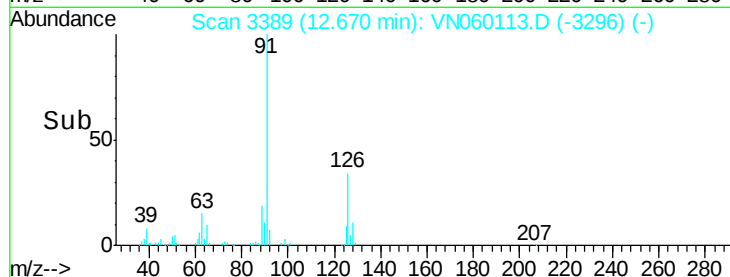
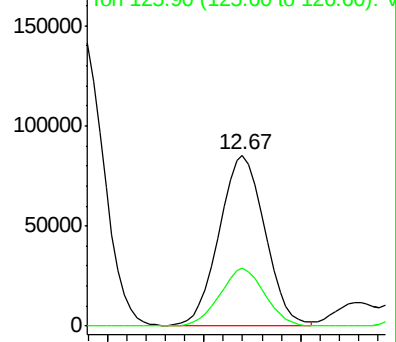
APPROVED

MMDadoda

2/18/2020 9:26:50 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.854 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060113.D

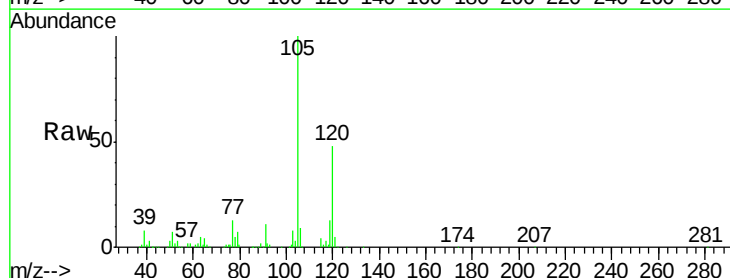
Acq: 17 Feb 2020 12:51

Tgt Ion: 105 Resp: 171747

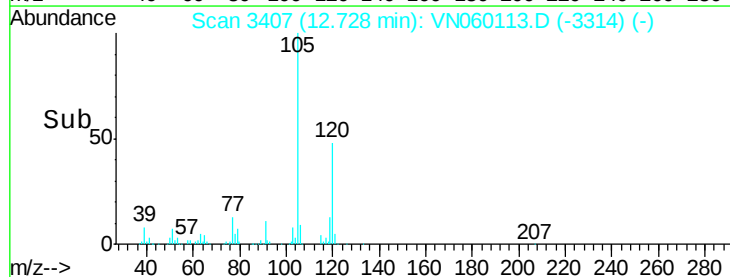
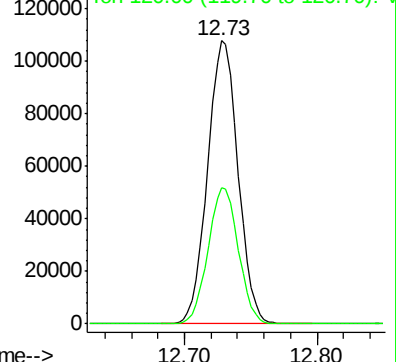
Ion Ratio Lower Upper

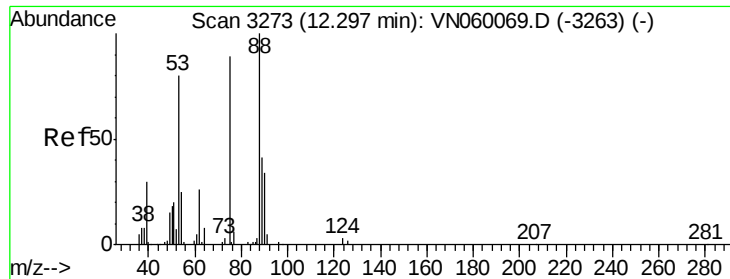
105 100

120 47.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)





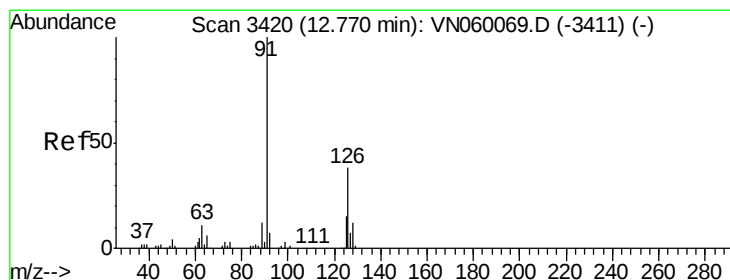
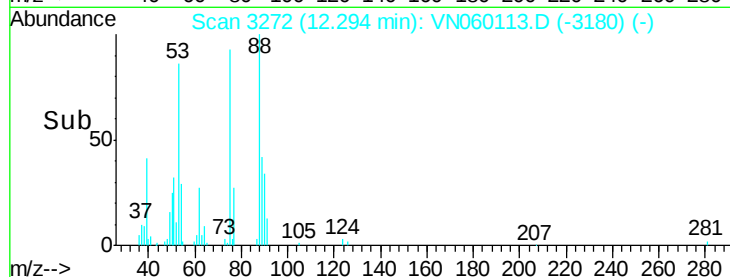
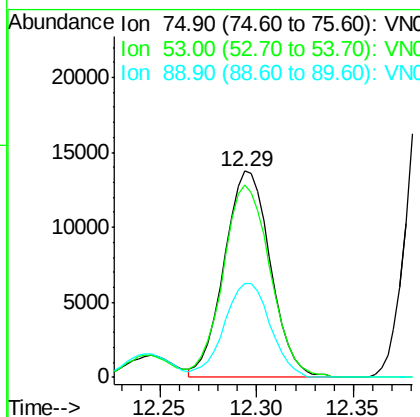
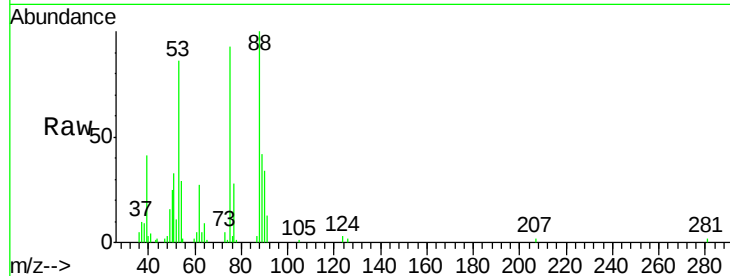
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.941 ug/l  
RT: 12.29 min Scan# 3272  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 95.4  | 73.9  | 110.9 |
| 89      | 45.5  | 37.0  | 55.4  |

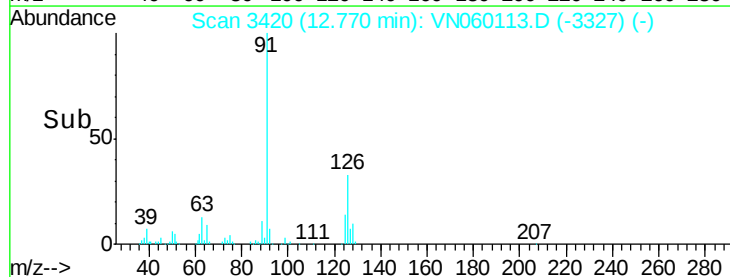
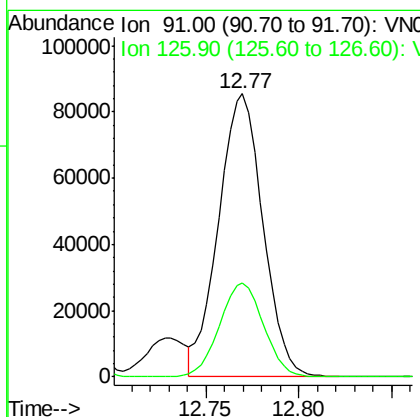
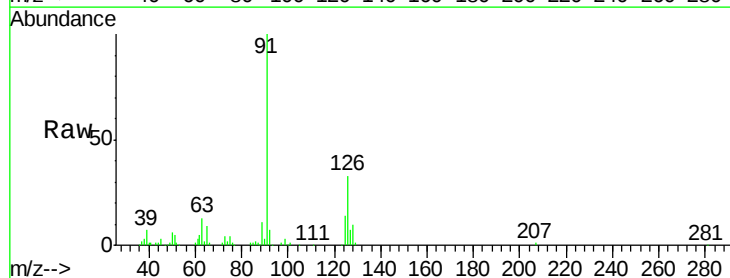
Manual Integrations  
APPROVED

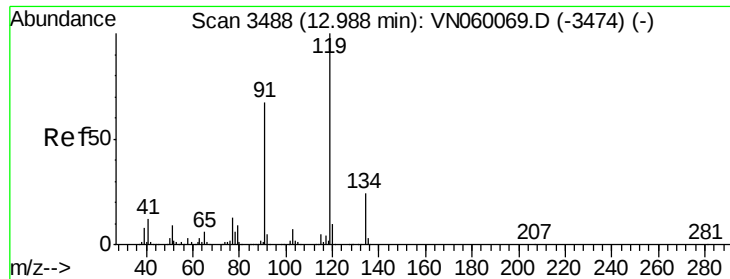
MMDadoda  
2/18/2020 9:26:50 AM



#82  
4-Chlorotoluene  
Concen: 18.746 ug/l  
RT: 12.77 min Scan# 3420  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.3  | 17.1  | 51.3  |





#83

tert-Butylbenzene

Concen: 18.361 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_N

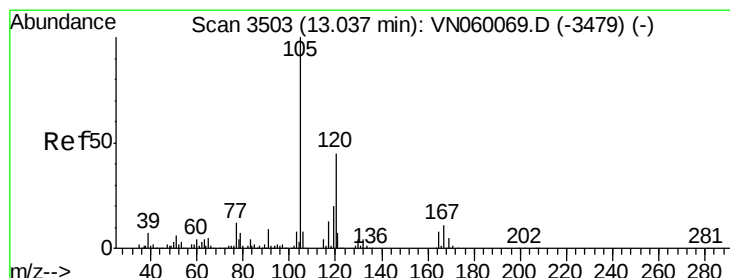
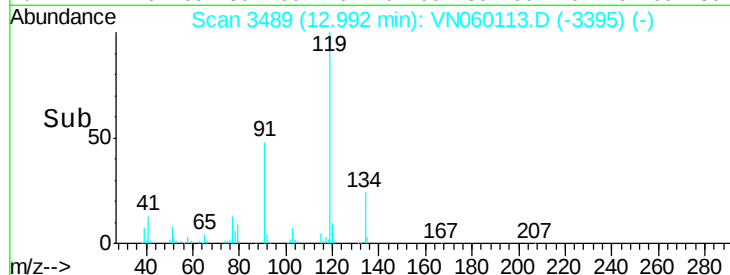
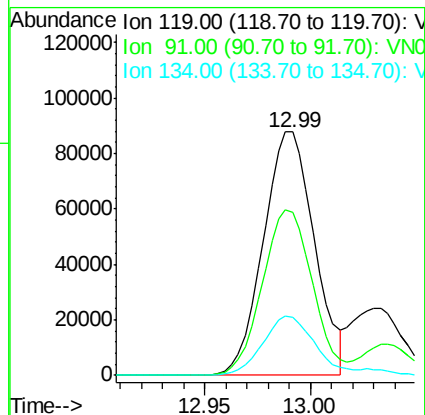
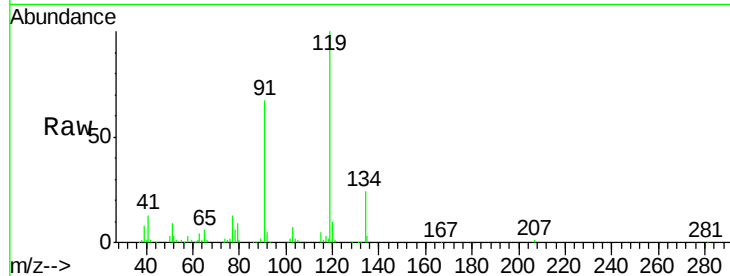
ClientSampleId :

VN0217WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 147953 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 66.7  | 32.7  | 98.1   |
| 134       | 26.1  | 12.9  | 38.7   |

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#84

1,2,4-Trimethylbenzene

Concen: 19.086 ug/l

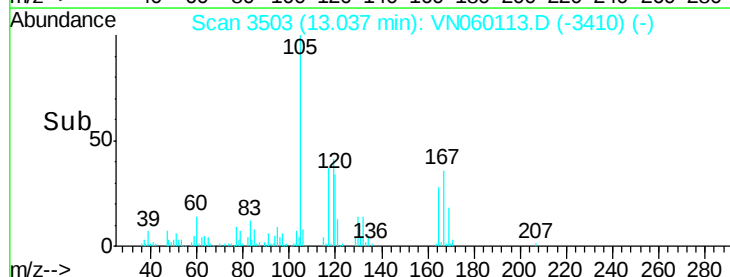
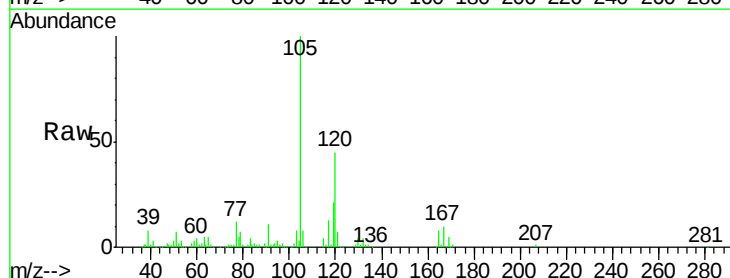
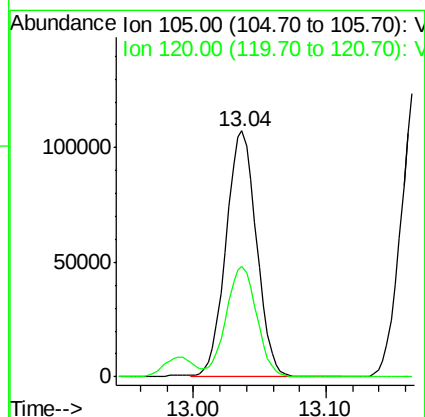
RT: 13.04 min Scan# 3503

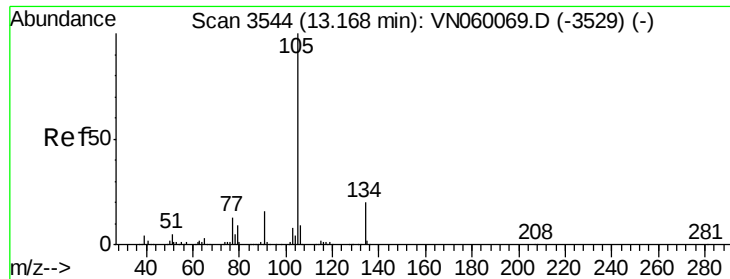
Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 171614 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 44.8  | 22.4  | 67.3   |





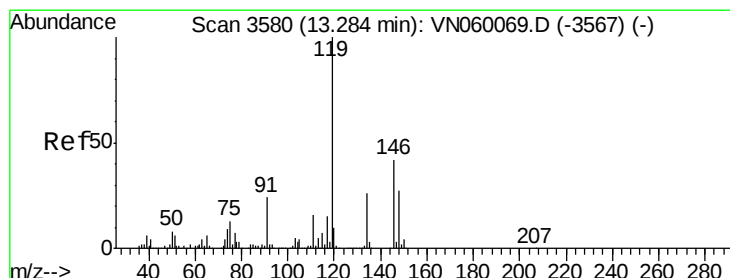
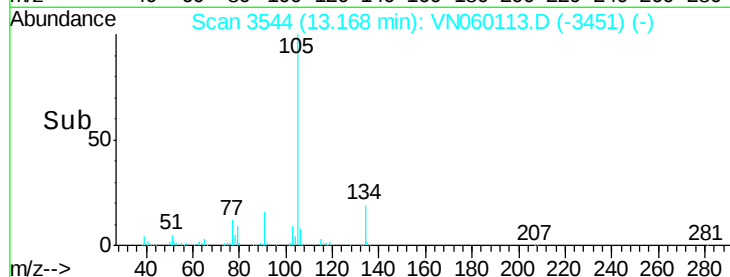
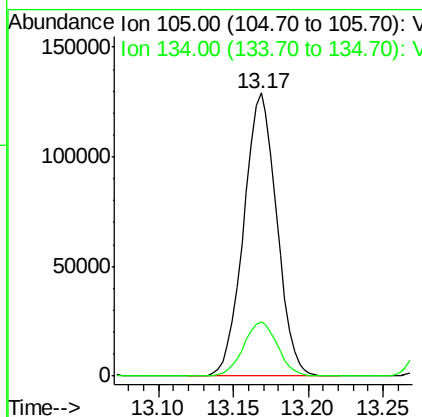
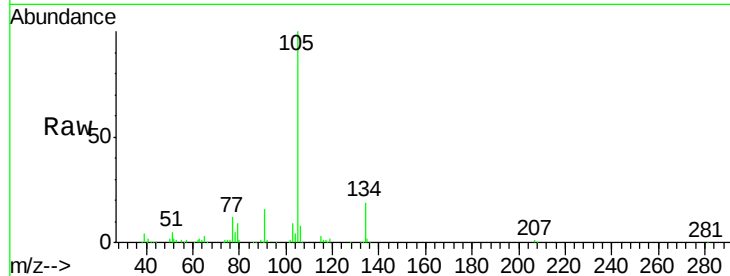
#85  
 sec-Butylbenzene  
 Concen: 18.586 ug/l  
 RT: 13.17 min Scan# 3544  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0217WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 198342 |       |       |
| 134     | 19.7  | 9.9    | 29.7  |       |

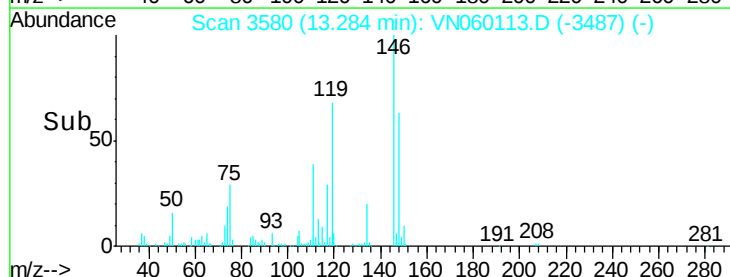
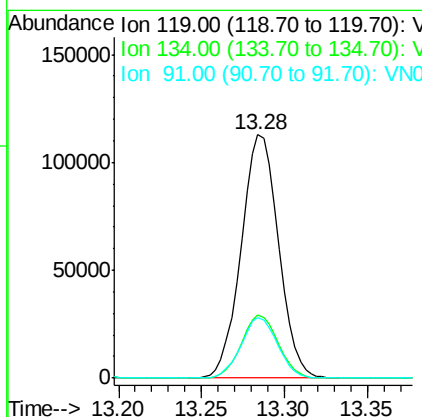
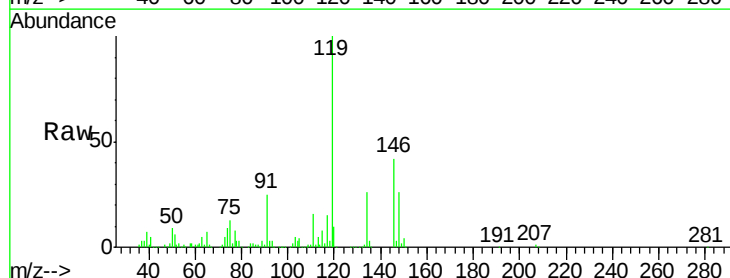
Manual Integrations  
 APPROVED

MMDadoda  
 2/18/2020 9:26:50 AM



#86  
 p-Isopropyltoluene  
 Concen: 18.338 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 177314 |       |       |
| 134     | 25.7  | 13.3   | 39.8  |       |
| 91      | 24.3  | 11.9   | 35.9  |       |





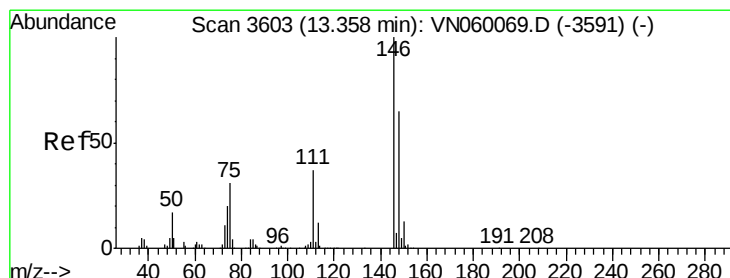
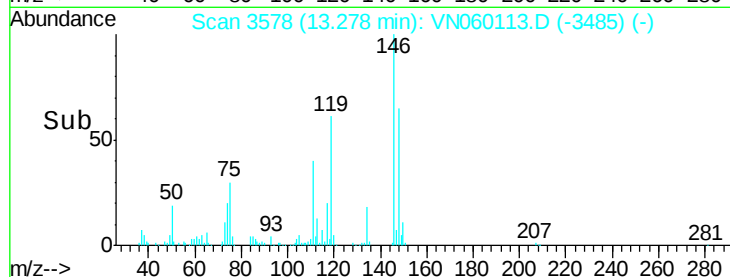
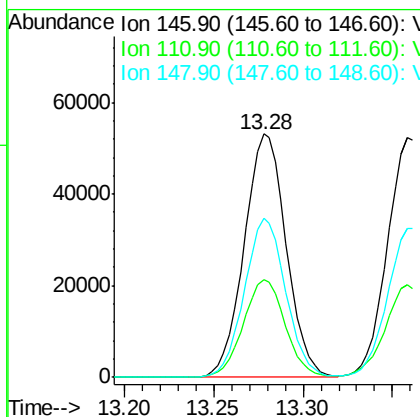
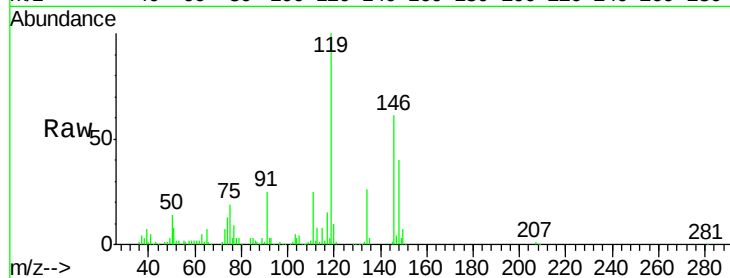
#87  
 1,3-Dichlorobenzene  
 Concen: 18.143 ug/l  
 RT: 13.28 min Scan# 3578  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.1  | 19.8  | 59.3  |
| 148     | 64.2  | 32.0  | 96.2  |

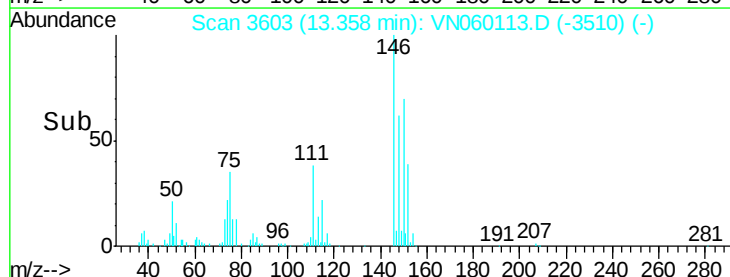
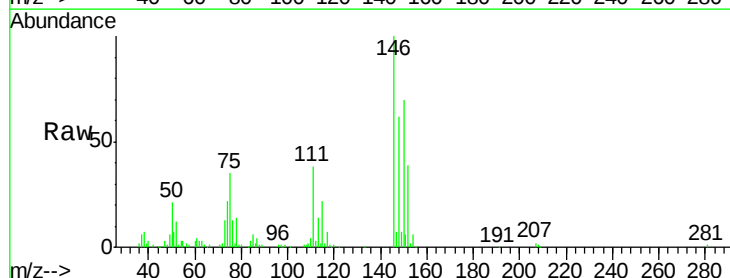
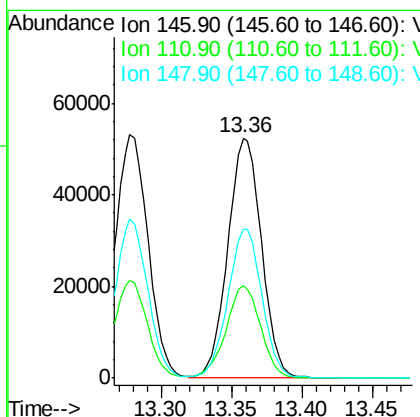
Manual Integrations  
 APPROVED

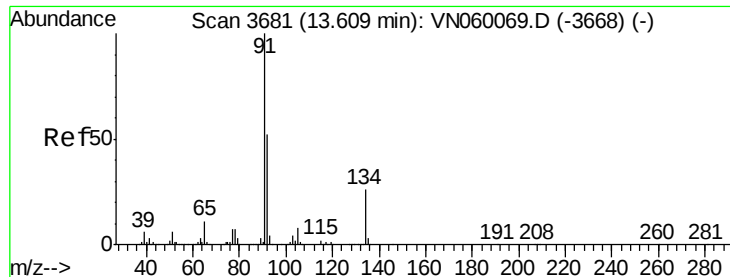
MMDadoda  
 2/18/2020 9:26:50 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 18.255 ug/l  
 RT: 13.36 min Scan# 3603  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.4  | 18.9  | 56.5  |
| 148     | 62.7  | 32.0  | 96.0  |





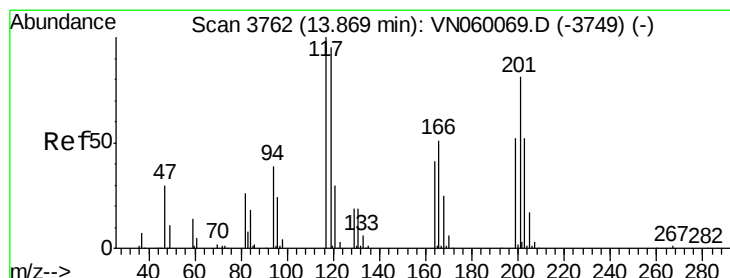
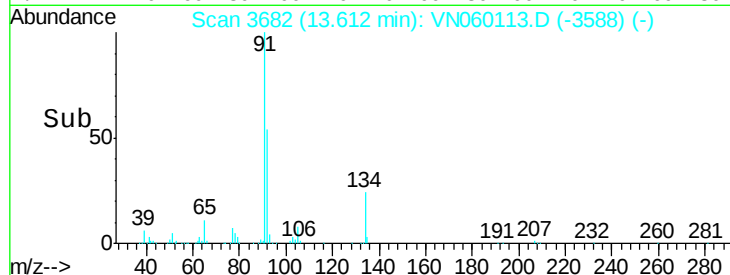
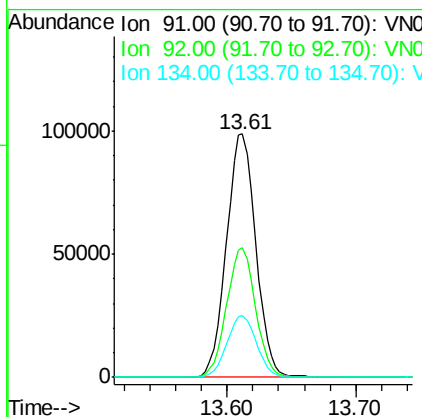
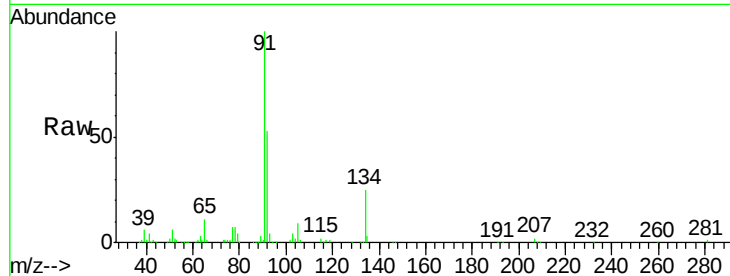
#89  
n-Butylbenzene  
Concen: 18.383 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.4  | 26.1  | 78.2  |
| 134     | 25.4  | 13.1  | 39.3  |

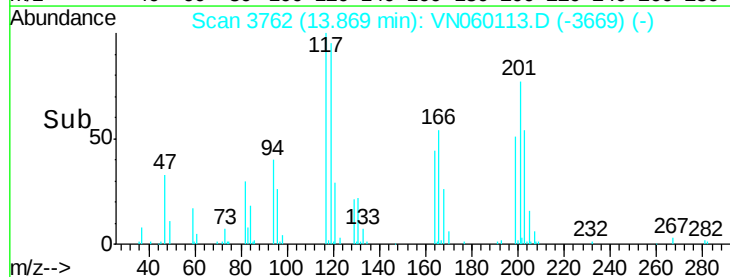
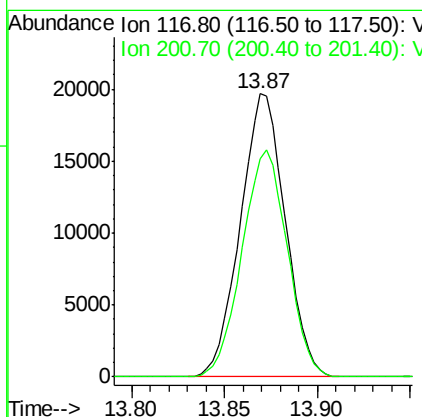
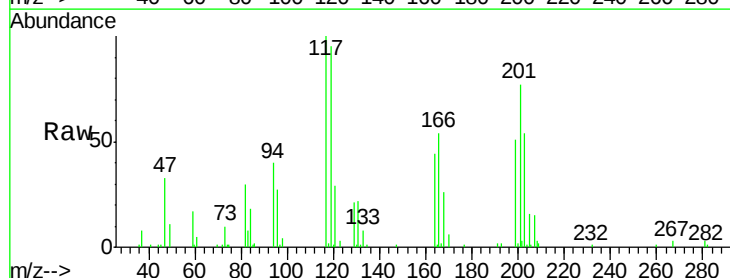
Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#90  
Hexachloroethane  
Concen: 18.302 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 80.6  | 41.7  | 125.1 |





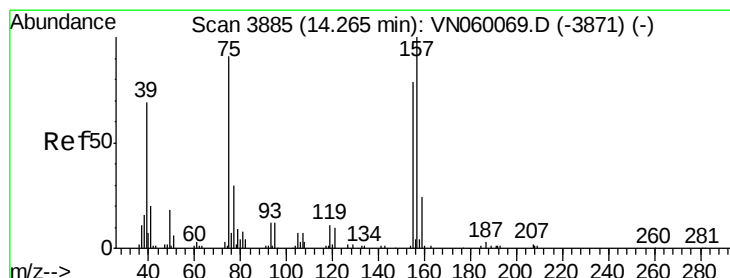
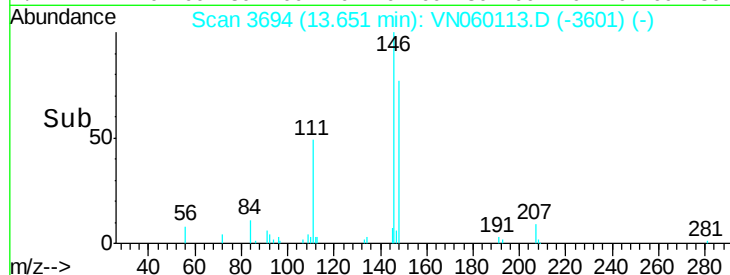
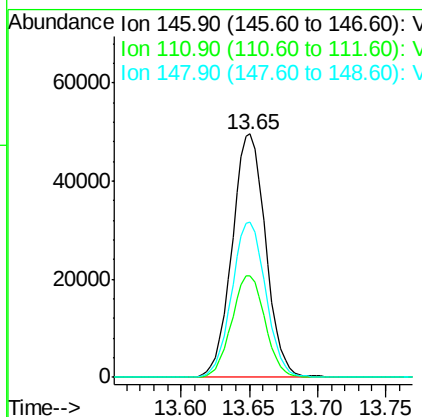
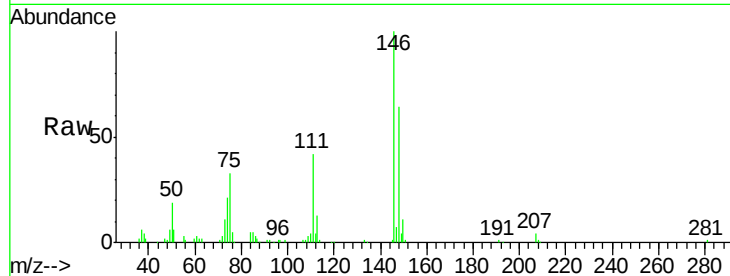
#91  
 1,2-Dichlorobenzene  
 Concen: 17.980 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.5  | 20.1  | 60.2  |
| 148     | 64.5  | 31.9  | 95.5  |

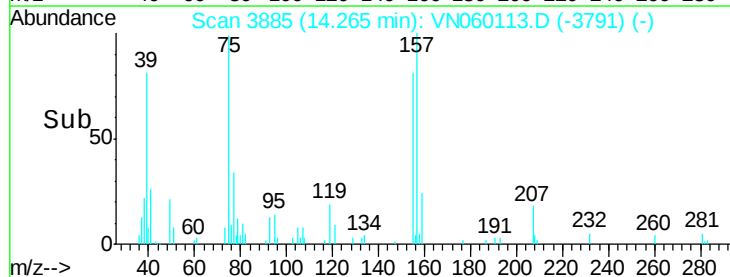
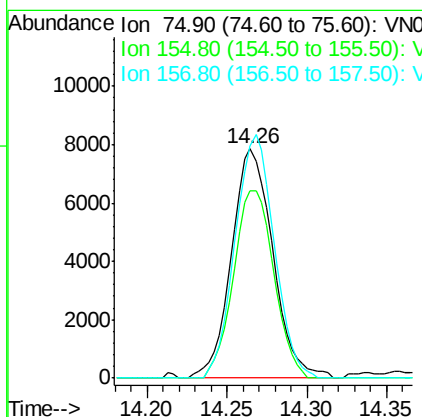
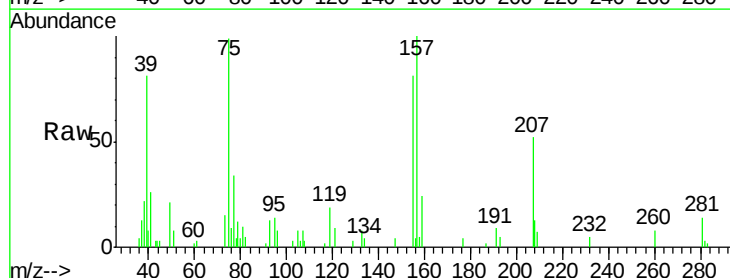
Manual Integrations  
 APPROVED

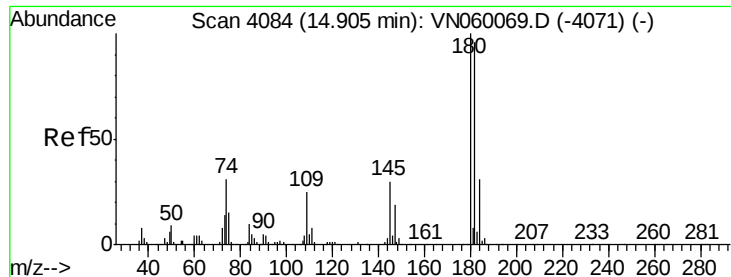
MMDadoda  
 2/18/2020 9:26:50 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.210 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. 0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 79.4  | 43.0  | 129.0 |
| 157     | 100.1 | 54.9  | 164.5 |





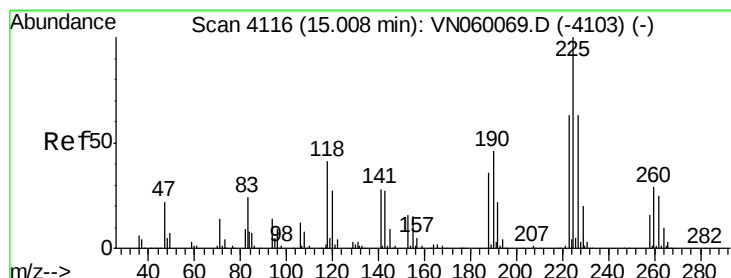
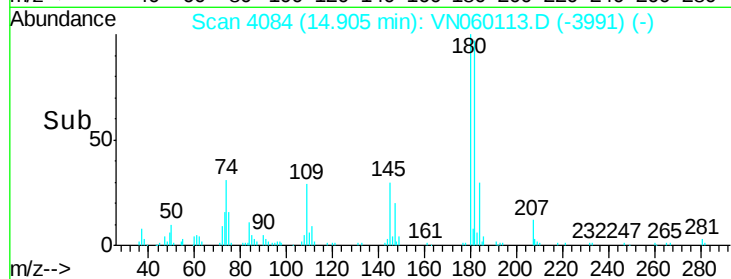
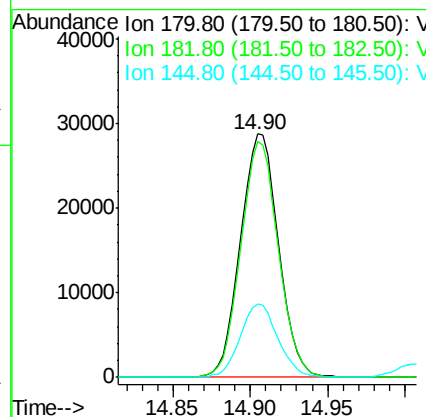
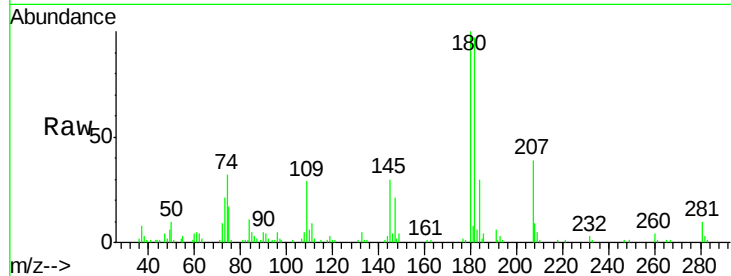
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.779 ug/l  
 RT: 14.90 min Scan# 4084  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 47.9  | 143.8 |
| 145     | 29.8  | 15.2  | 45.5  |

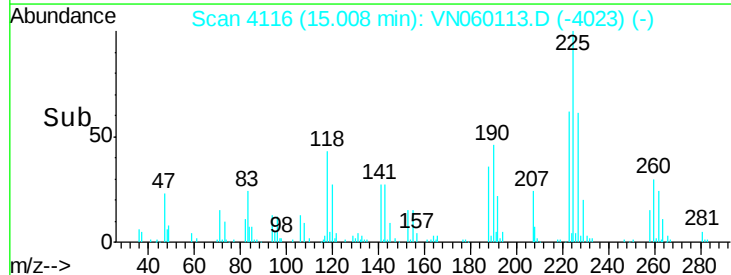
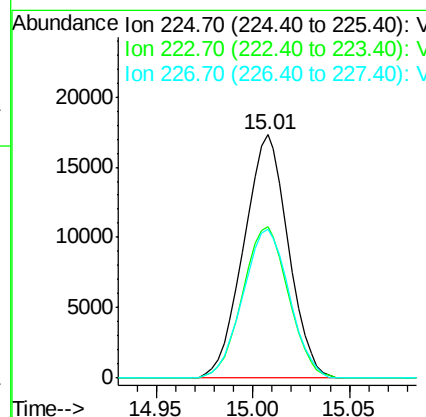
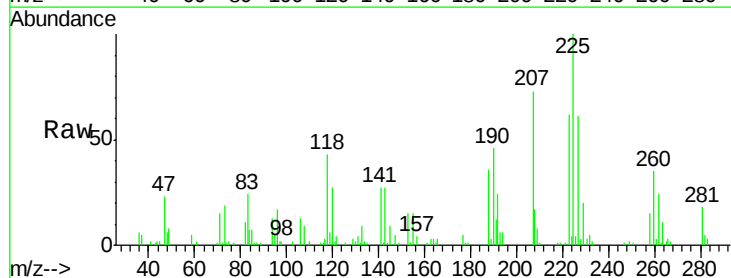
Manual Integrations  
 APPROVED

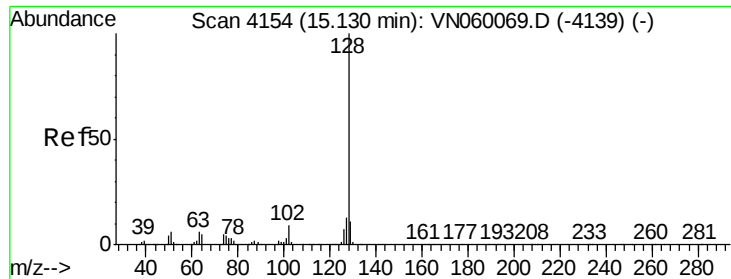
MMDadoda  
 2/18/2020 9:26:50 AM



#94  
 Hexachlorobutadiene  
 Concen: 17.094 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. -0.00 min  
 Lab File: VN060113.D  
 Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.2  | 31.5  | 94.5  |
| 227     | 63.8  | 31.8  | 95.4  |





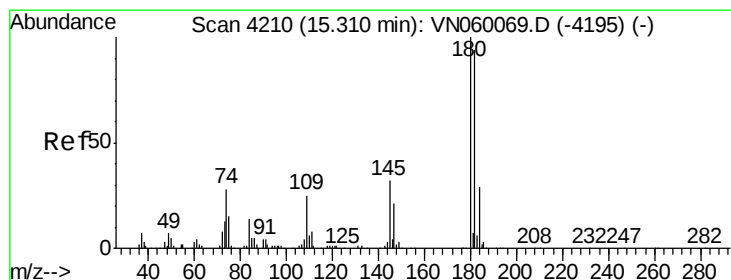
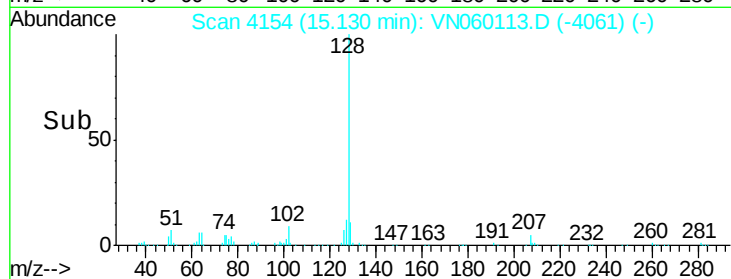
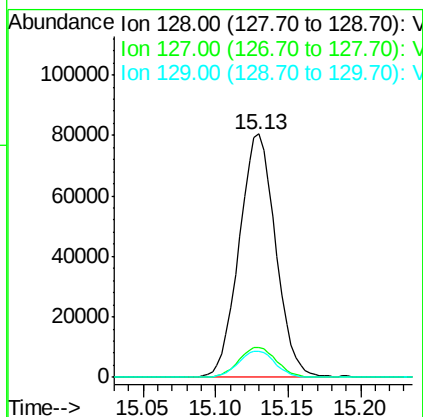
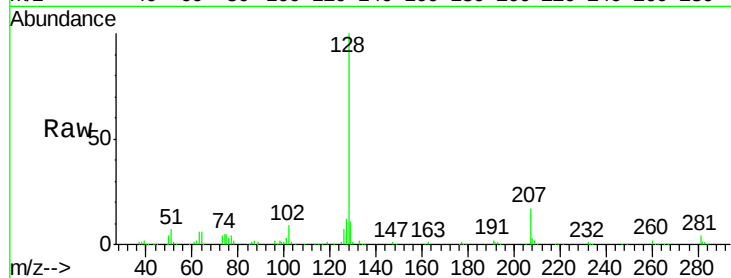
#95  
Naphthalene  
Concen: 18.845 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0217WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.7  | 10.3  | 15.5  |
| 129     | 10.8  | 8.6   | 13.0  |

Manual Integrations  
APPROVED

MMDadoda  
2/18/2020 9:26:50 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 17.523 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. -0.00 min  
Lab File: VN060113.D  
Acq: 17 Feb 2020 12:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.3  | 47.5  | 142.5 |
| 145     | 34.0  | 16.1  | 48.3  |

