

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\  
 Data File : VN055315.D  
 Acq On : 30 Apr 2019 18:09  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/1/2019 3:01:26 PM

Quant Time: May 01 09:27:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:16:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 379266   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 619378   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 548704   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 232065   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 265560   | 53.52 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.04% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 207291   | 50.99 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.98% |      |
| 50) Toluene-d8            | 10.09  | 98  | 753818   | 51.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.70% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 254655   | 55.51 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 111.02% |      |

## Target Compounds

|                               |      |     |         |         | Qvalue   |
|-------------------------------|------|-----|---------|---------|----------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 235328  | 50.643  | ug/l 98  |
| 3) Chloromethane              | 2.06 | 50  | 275412  | 47.865  | ug/l 100 |
| 4) Vinyl Chloride             | 2.19 | 62  | 220855  | 47.617  | ug/l 100 |
| 5) Bromomethane               | 2.55 | 94  | 113857  | 46.344  | ug/l 99  |
| 6) Chloroethane               | 2.70 | 64  | 117465  | 46.750  | ug/l 97  |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 318072  | 48.227  | ug/l 100 |
| 8) Diethyl Ether              | 3.41 | 74  | 120112  | 52.054  | ug/l 98  |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 189973  | 48.371  | ug/l 99  |
| 10) Methyl Iodide             | 3.95 | 142 | 281870  | 50.998  | ug/l 100 |
| 11) Tert butyl alcohol        | 4.79 | 59  | 90884   | 319.937 | ug/l 99  |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 182771  | 48.784  | ug/l 99  |
| 13) Acrolein                  | 3.61 | 56  | 59445   | 267.955 | ug/l 97  |
| 14) Allyl chloride            | 4.33 | 41  | 386830  | 49.853  | ug/l 100 |
| 15) Acrylonitrile             | 4.99 | 53  | 460512  | 288.411 | ug/l 99  |
| 16) Acetone                   | 3.82 | 43  | 371452  | 240.268 | ug/l 99  |
| 17) Carbon Disulfide          | 4.06 | 76  | 464964  | 47.555  | ug/l 98  |
| 18) Methyl Acetate            | 4.33 | 43  | 227913  | 60.740  | ug/l 99  |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 582632  | 55.318  | ug/l 98  |
| 20) Methylene Chloride        | 4.55 | 84  | 223131  | 47.285  | ug/l 99  |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 198523  | 50.033  | ug/l 93  |
| 22) Diisopropyl ether         | 5.95 | 45  | 807076  | 52.349  | ug/l 99  |
| 23) Vinyl Acetate             | 5.90 | 43  | 2904562 | 287.455 | ug/l 100 |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 410901  | 50.022  | ug/l 99  |
| 25) 2-Butanone                | 6.84 | 43  | 574265  | 290.456 | ug/l 100 |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 265295  | 46.769  | ug/l 99  |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 231135  | 51.225  | ug/l 99  |
| 28) Bromochloromethane        | 7.20 | 49  | 209421  | 50.577  | ug/l 100 |
| 29) Tetrahydrofuran           | 7.21 | 42  | 382152  | 301.857 | ug/l 100 |
| 30) Chloroform                | 7.37 | 83  | 392282  | 50.377  | ug/l 100 |
| 31) Cyclohexane               | 7.65 | 56  | 365114  | 46.782  | ug/l 99  |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 318417  | 50.384  | ug/l 99  |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 279764  | 47.156  | ug/l 99  |
| 37) Ethyl Acetate             | 6.93 | 43  | 249025  | 54.768  | ug/l 99  |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 265876  | 46.458  | ug/l 98  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\  
 Data File : VN055315.D  
 Acq On : 30 Apr 2019 18:09  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/1/2019 3:01:26 PM

Quant Time: May 01 09:27:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:16:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 300882   | 47.701   | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 854643   | 48.867   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 124104m  | 50.425   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 303490   | 48.995   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 452635   | 61.944   | ug/l # | 87       |
| 44) Trichloroethene            | 8.84  | 130  | 213605   | 47.910   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 248128   | 49.191   | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 141563   | 51.344   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 297232   | 50.251   | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.20  | 41   | 201178   | 56.004   | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 46890    | 1262.730 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1219012  | 296.306  | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 508123   | 50.636   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 285860   | 55.671   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 345651   | 53.990   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 192218   | 51.584   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 270190   | 58.910   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 342942   | 52.462   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 383146   | 268.222  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 782627   | 304.040  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 207141   | 54.390   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 189580   | 55.043   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 205016   | 45.689   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 515974   | 48.096   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 198678   | 47.296   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 954238   | 49.258   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 693533   | 100.296  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 343139   | 50.066   | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 569167   | 54.086   | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 129754   | 55.666   | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.25 | 105  | 910755   | 49.277   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 327603   | 55.007   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 250764   | 54.846   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 222957m  | 51.778   | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 222329   | 50.232   | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 1020786  | 42.822   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 621255   | 49.363   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 775205   | 42.610   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 60496    | 49.402   | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 607989   | 43.866   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 658829   | 51.233   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 752482   | 46.247   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 837792   | 42.368   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 735496   | 45.254   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 364643   | 46.957   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 349377   | 47.775   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 574165   | 49.716   | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 122590   | 47.560   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 367378   | 47.733   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 36136    | 59.188   | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\  
Data File : VN055315.D  
Acq On : 30 Apr 2019 18:09  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

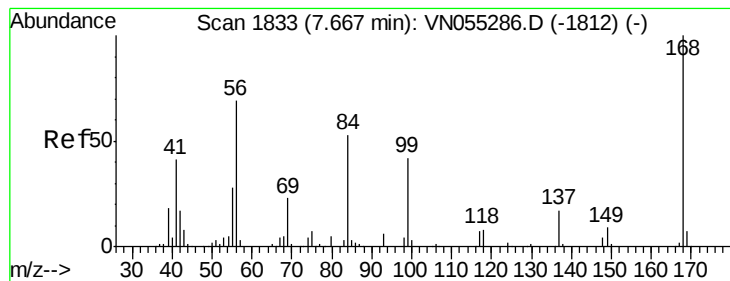
MMDadoda  
5/1/2019 3:01:26 PM

Quant Time: May 01 09:27:49 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 30 07:16:52 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 139658   | 46.290 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 123041   | 53.313 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 309129   | 48.062 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 147104   | 49.269 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 379266

Ion Ratio Lower Upper

168 100

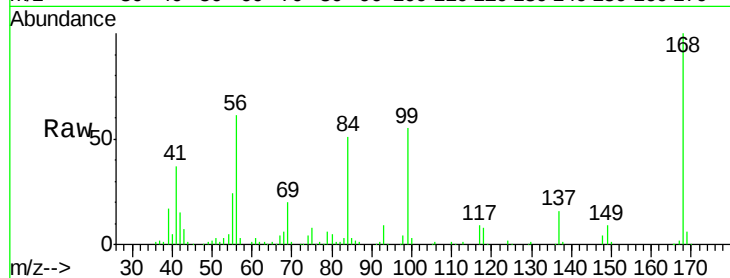
99 54.1 43.6 65.4

Manual Integrations

APPROVED

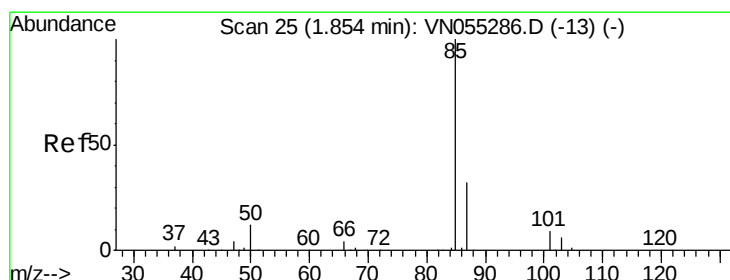
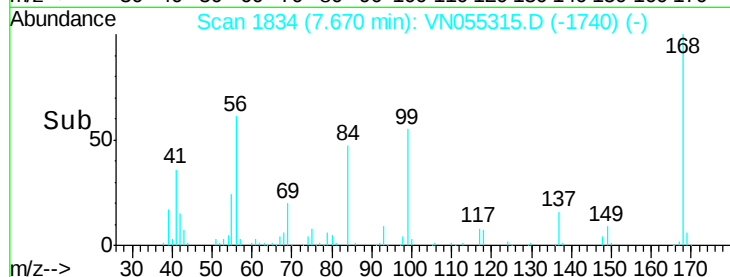
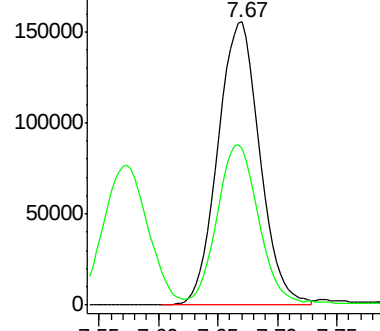
MMDadoda

5/1/2019 3:01:26 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.643 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055315.D

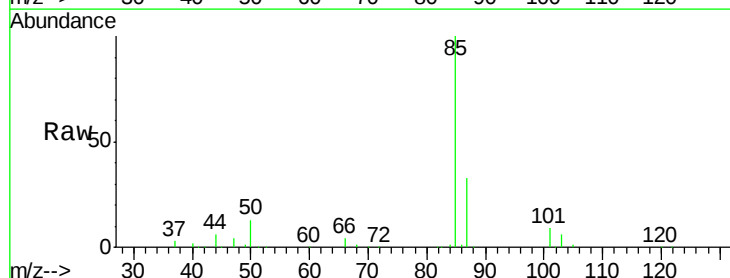
Acq: 30 Apr 2019 18:09

Tgt Ion: 85 Resp: 235328

Ion Ratio Lower Upper

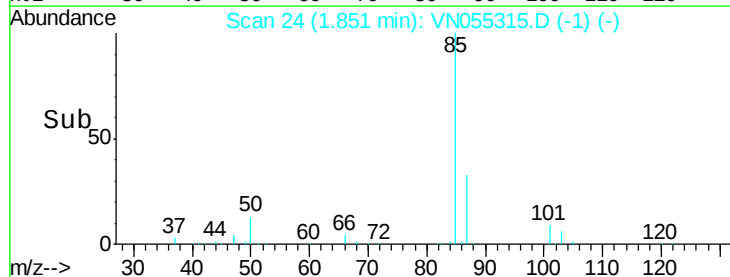
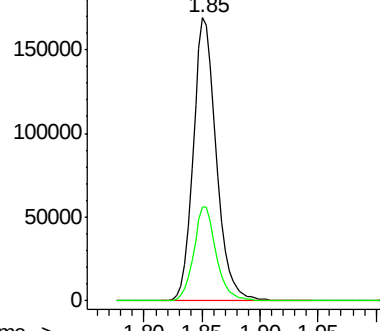
85 100

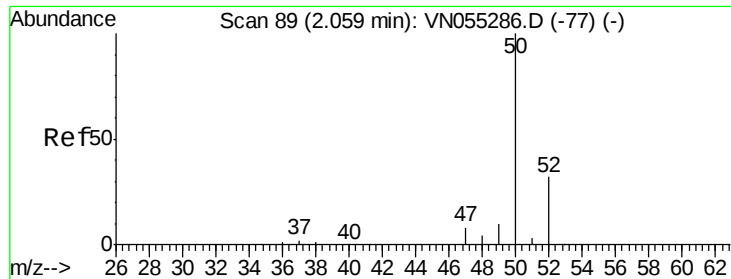
87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.865 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 275412

Ion Ratio Lower Upper

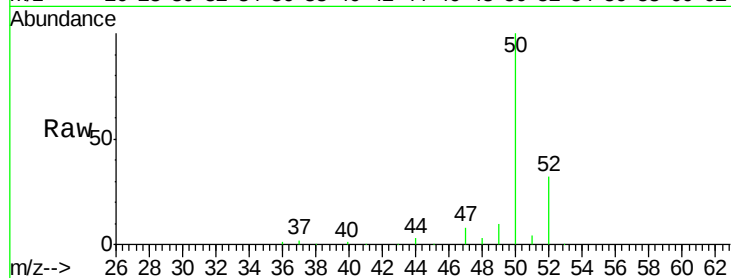
50 100

52 32.3 25.7 38.5

Manual Integrations  
APPROVED

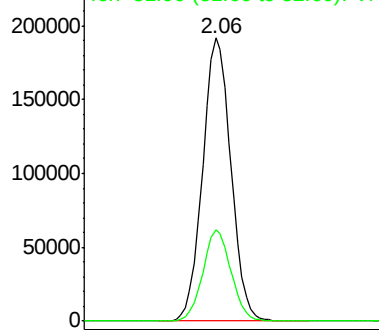
MMDadoda

5/1/2019 3:01:26 PM

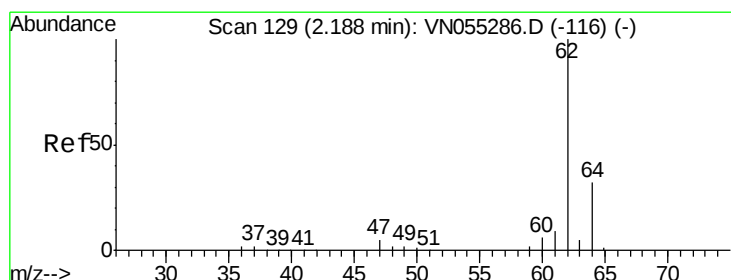
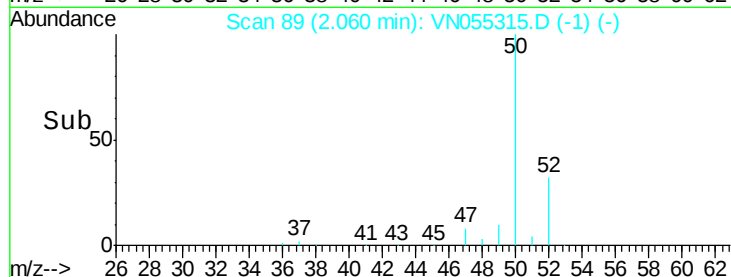


Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



Time-->



#4

Vinyl Chloride

Concen: 47.617 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055315.D

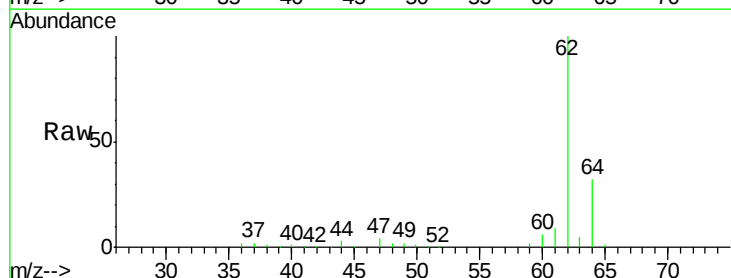
Acq: 30 Apr 2019 18:09

Tgt Ion: 62 Resp: 220855

Ion Ratio Lower Upper

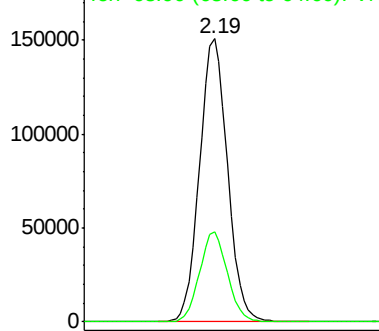
62 100

64 31.7 25.5 38.3

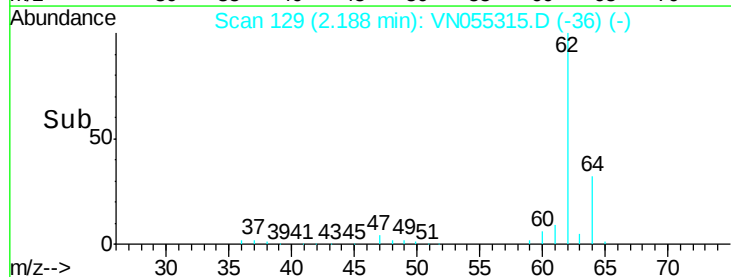


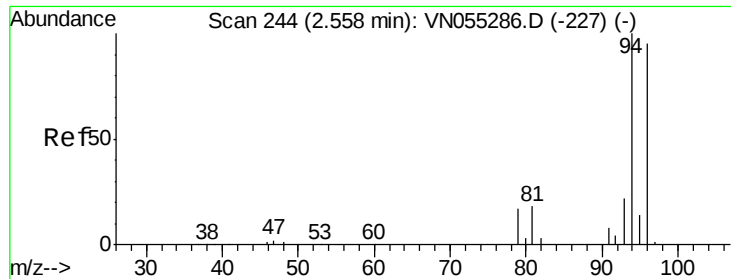
Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



Time-->





#5

Bromomethane

Concen: 46.344 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 113857

Ion Ratio Lower Upper

94 100

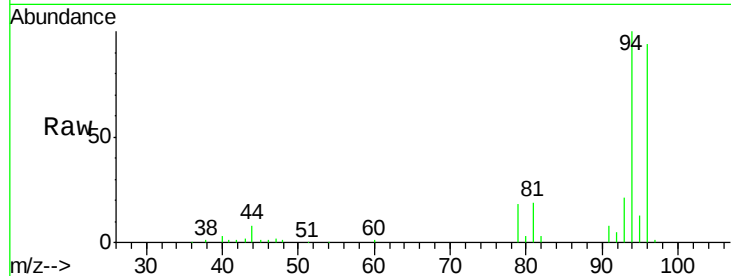
96 93.7 76.0 114.0

Manual Integrations

APPROVED

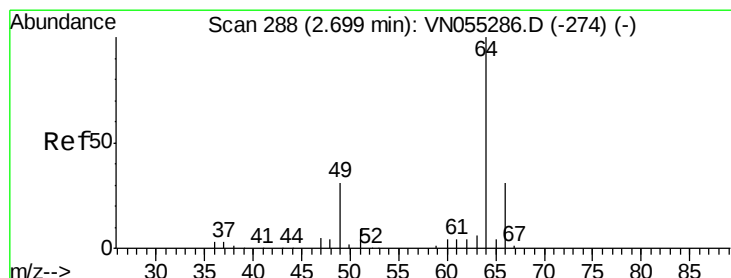
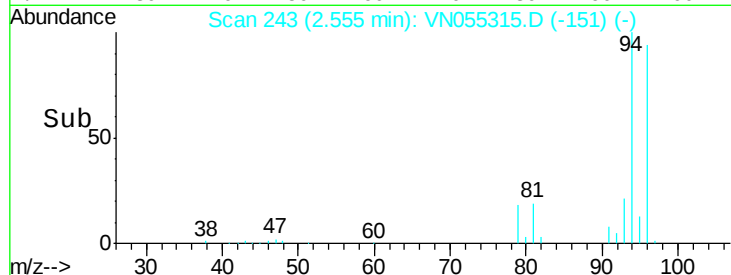
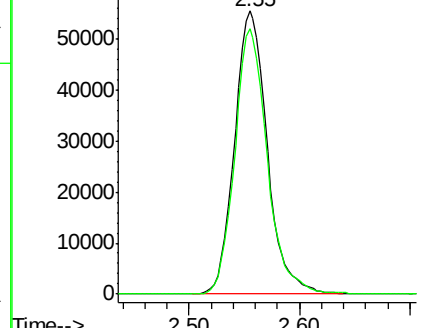
MMDadoda

5/1/2019 3:01:26 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.750 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055315.D

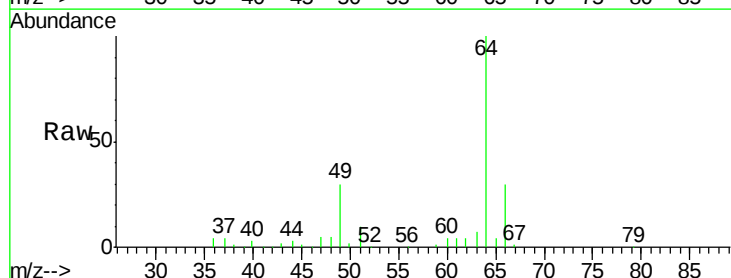
Acq: 30 Apr 2019 18:09

Tgt Ion: 64 Resp: 117465

Ion Ratio Lower Upper

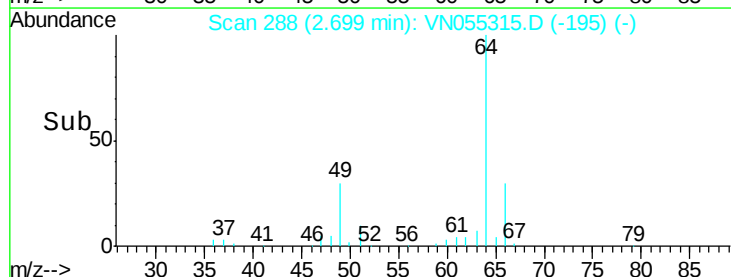
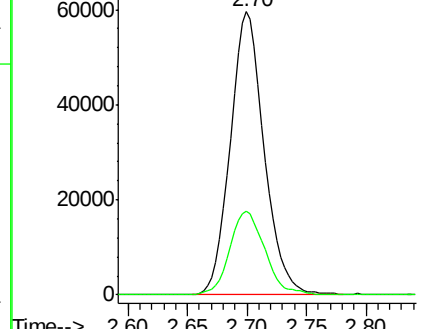
64 100

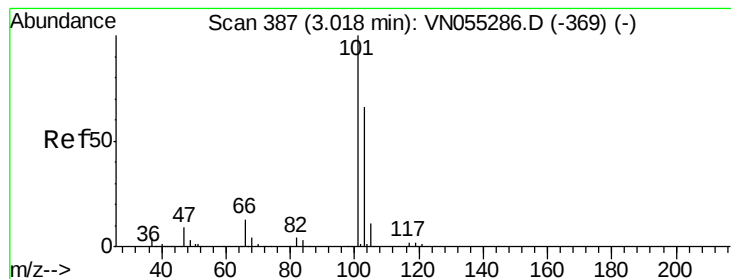
66 29.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

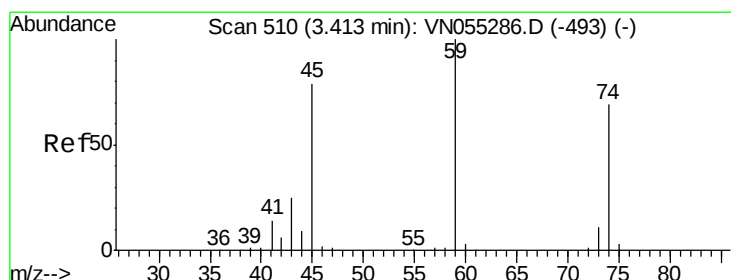
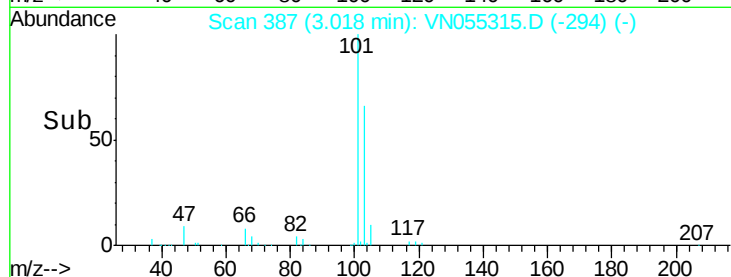
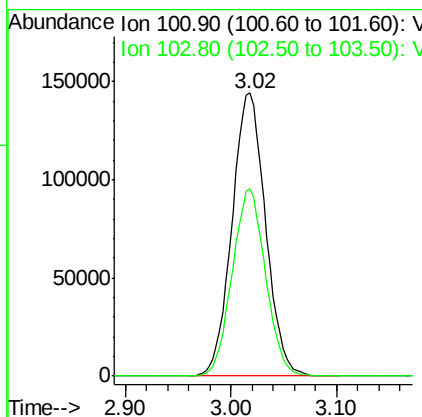
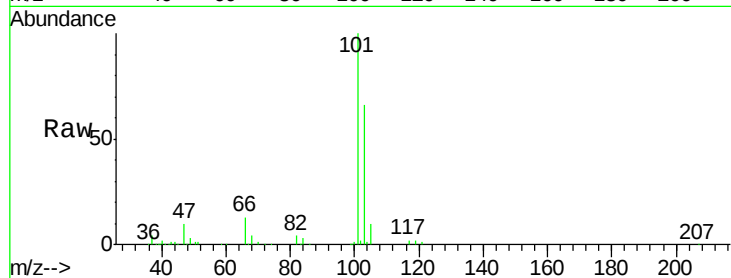
Trichlorofluoromethane  
 Concen: 48.227 ug/l  
 RT: 3.02 min Scan# 387  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.2  | 52.6  | 79.0  |

Manual Integrations  
 APPROVED

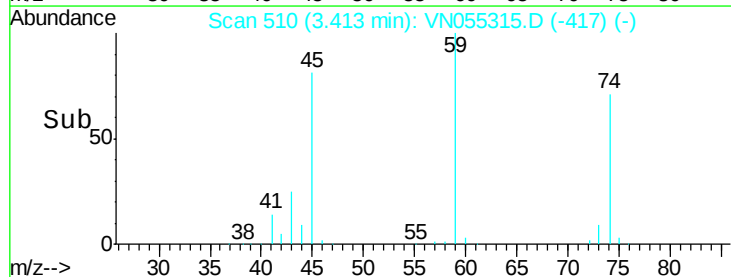
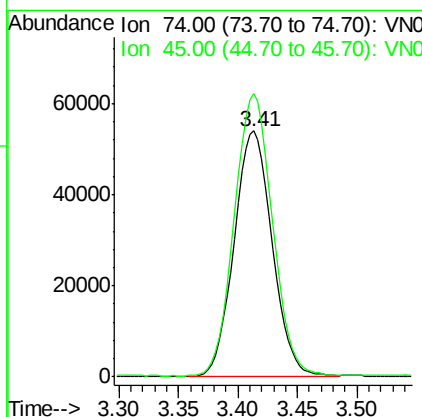
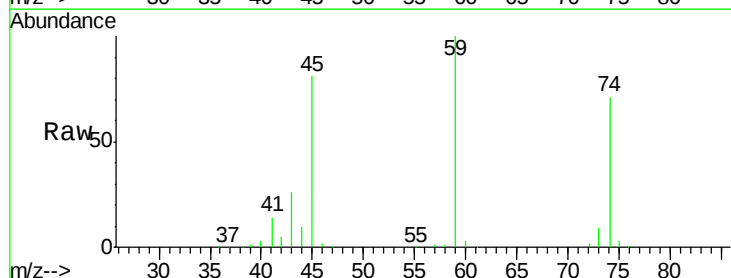
MMDadoda  
 5/1/2019 3:01:26 PM

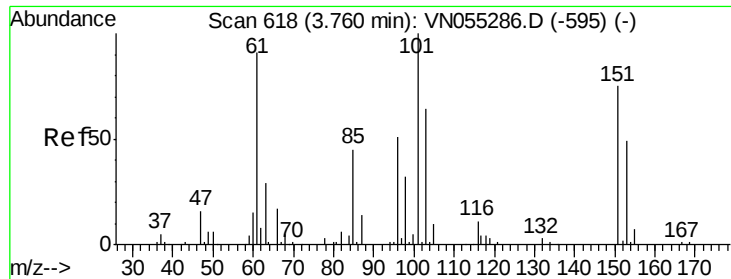


#8

Diethyl Ether  
 Concen: 52.054 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 115.0 | 58.9  | 176.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.371 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

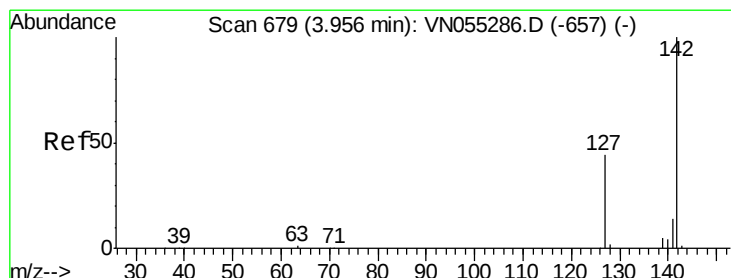
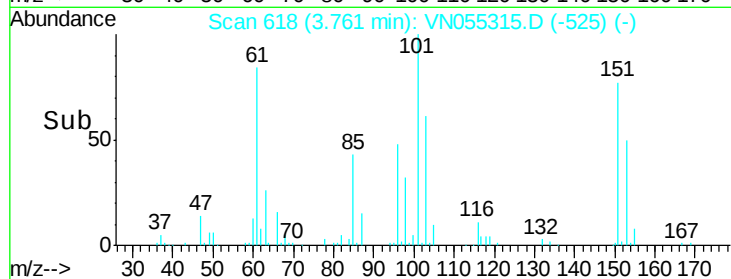
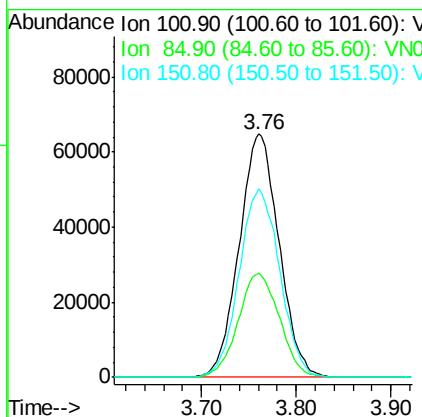
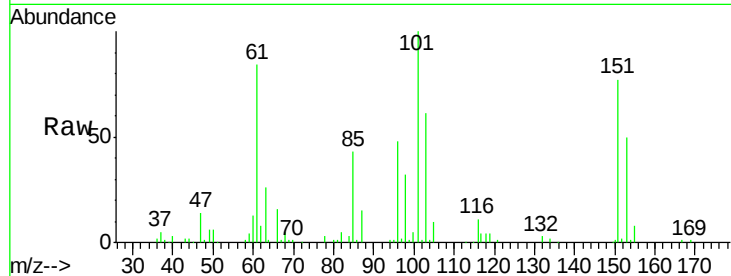
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 189973 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.2  | 35.7  | 53.5   |
| 151       | 78.7  | 63.3  | 94.9   |

Manual Integrations  
APPROVED

MMDadoda  
5/1/2019 3:01:26 PM



#10

Methyl Iodide

Concen: 50.998 ug/l

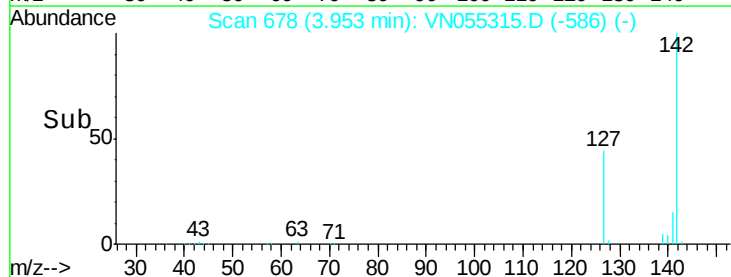
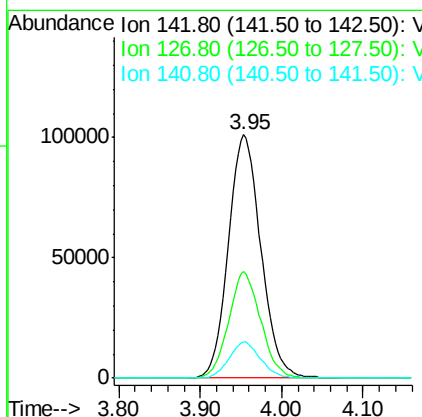
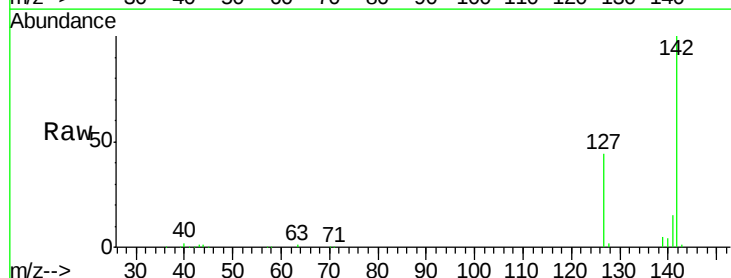
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 281870 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.9  | 34.4  | 51.6   |
| 141       | 14.4  | 11.5  | 17.3   |





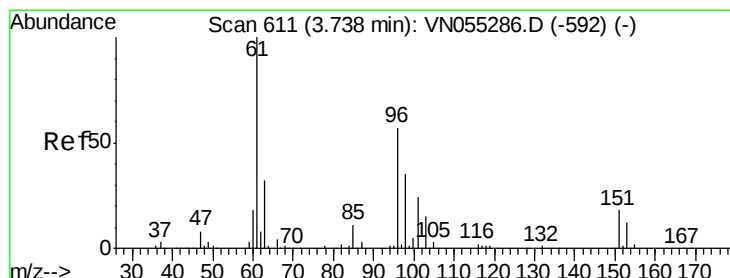
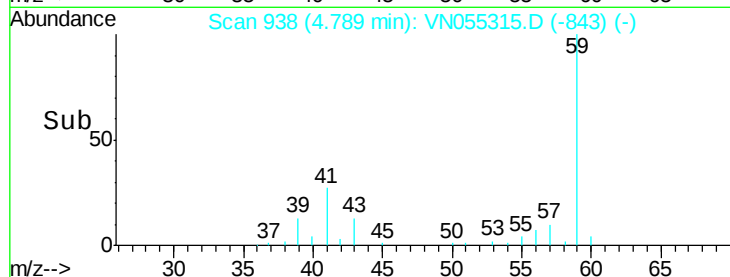
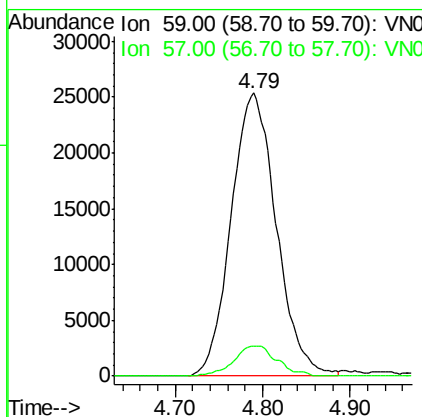
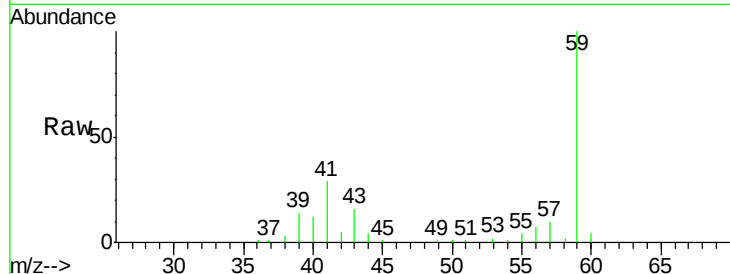
#11  
Tert butyl alcohol  
Concen: 319.937 ug/l  
RT: 4.79 min Scan# 938  
Delta R.T. 0.01 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 59      | 100   | 90884 |       |       |
| 57      | 9.9   |       | 8.2   | 12.2  |

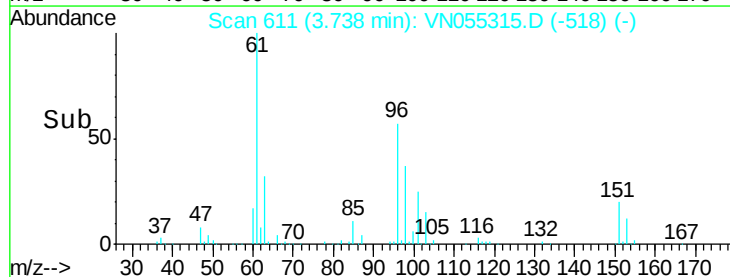
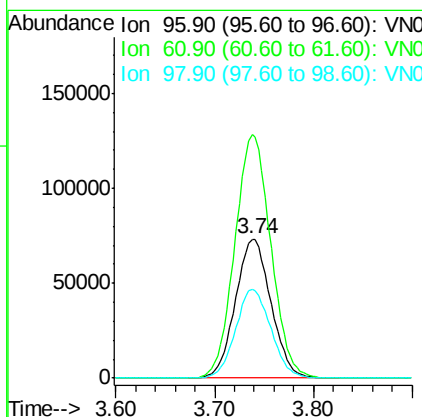
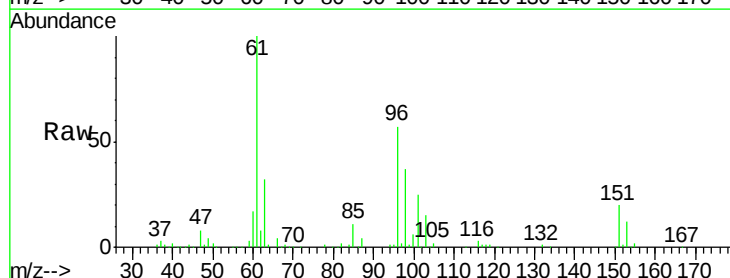
Manual Integrations  
APPROVED

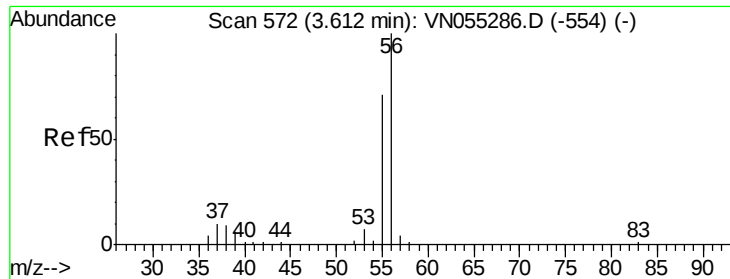
MMDadoda  
5/1/2019 3:01:26 PM



#12  
1,1-Dichloroethene  
Concen: 48.784 ug/l  
RT: 3.74 min Scan# 611  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 182771 |       |       |
| 61      | 175.2 |        | 140.9 | 211.3 |
| 98      | 64.3  |        | 50.0  | 75.0  |





#13

Acrolein

Concen: 267.955 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 59445

Ion Ratio Lower Upper

56 100

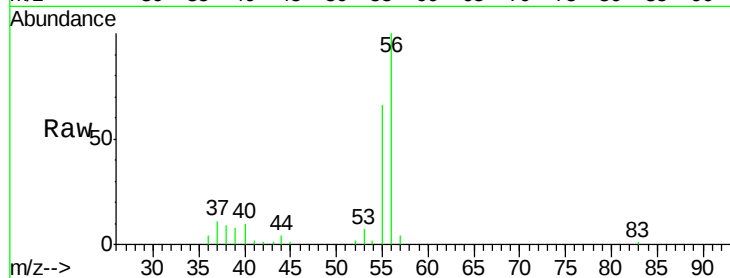
55 69.1 57.4 86.2

Manual Integrations

APPROVED

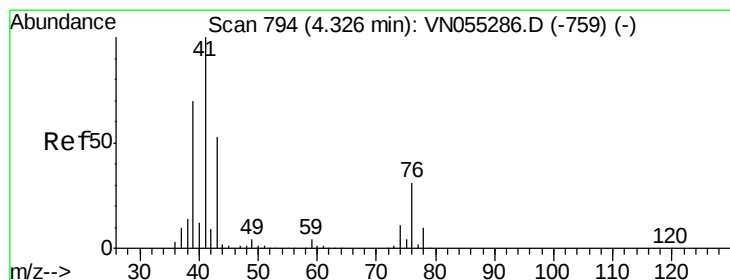
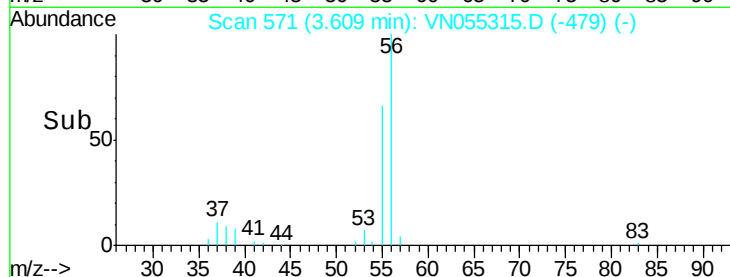
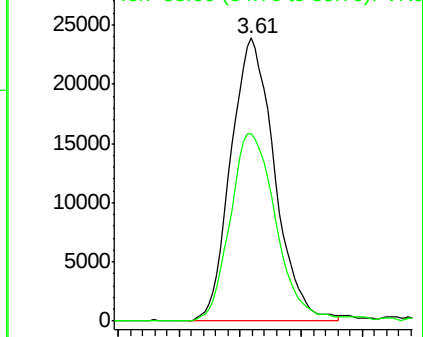
MMDadoda

5/1/2019 3:01:26 PM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 49.853 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

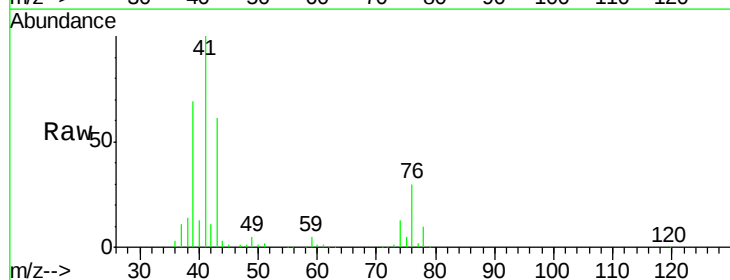
Tgt Ion: 41 Resp: 386830

Ion Ratio Lower Upper

41 100

39 66.3 53.0 79.6

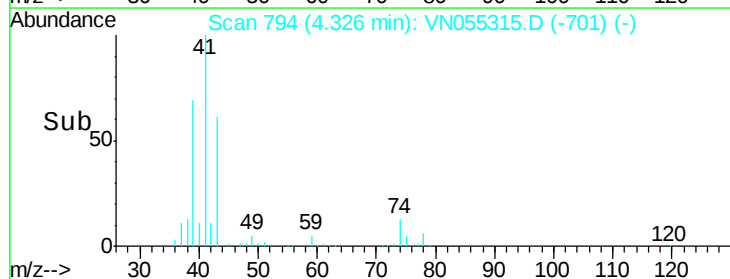
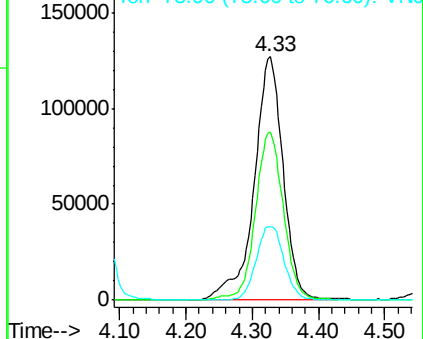
76 29.0 22.7 34.1

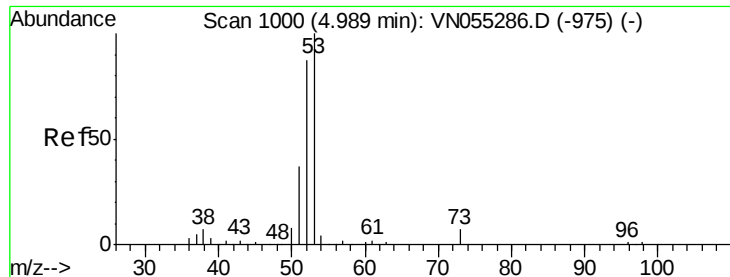


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 288.411 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

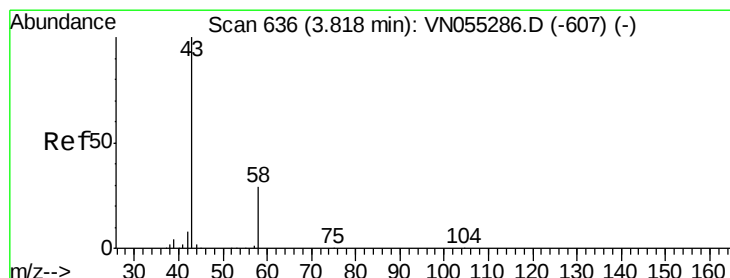
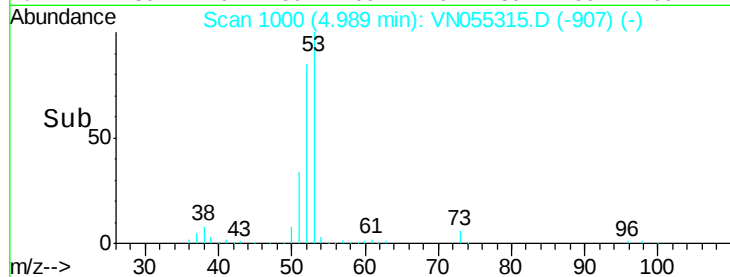
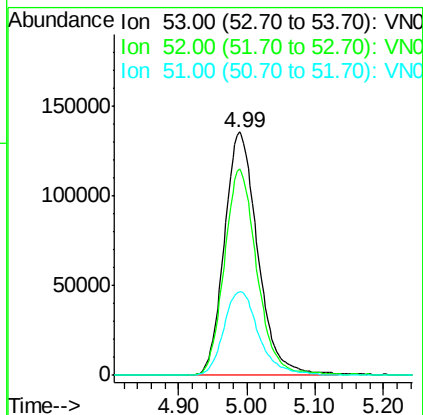
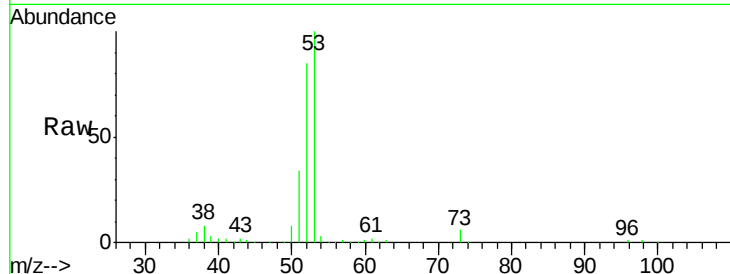
ClientSampleId :

VSTDCCC050EC

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 460512 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 82.2 | 66.5  | 99.7   |
| 51        | 36.4 | 29.6  | 44.4   |

Manual Integrations  
APPROVED

MMDadoda  
5/1/2019 3:01:26 PM



#16

Acetone

Concen: 240.268 ug/l

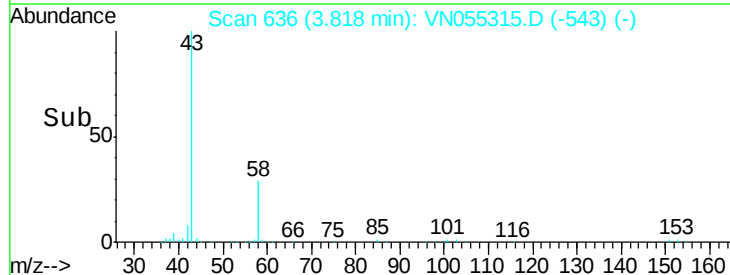
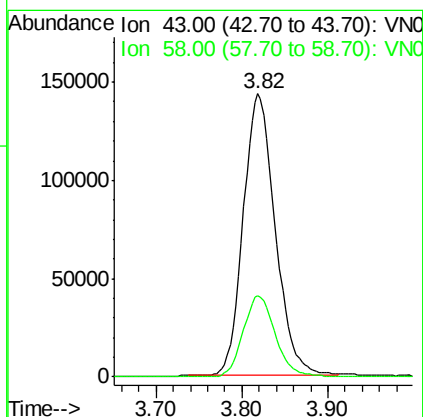
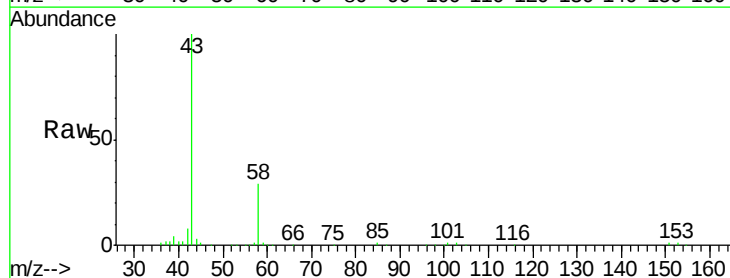
RT: 3.82 min Scan# 636

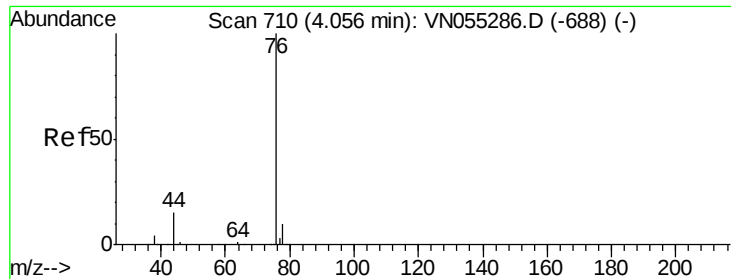
Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 371452 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 28.9 | 23.6  | 35.4   |





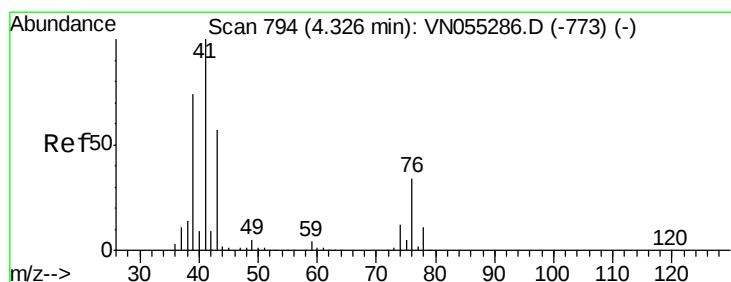
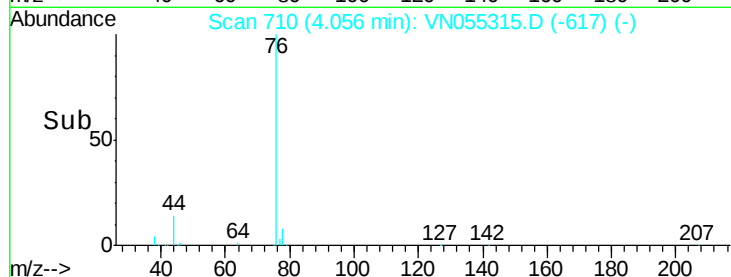
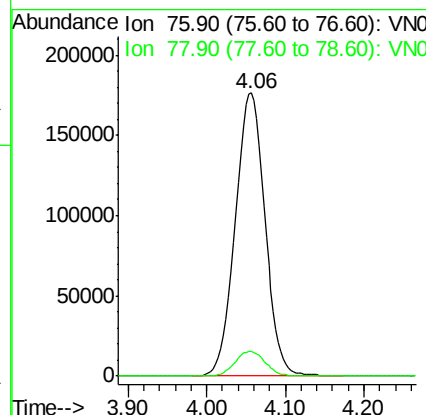
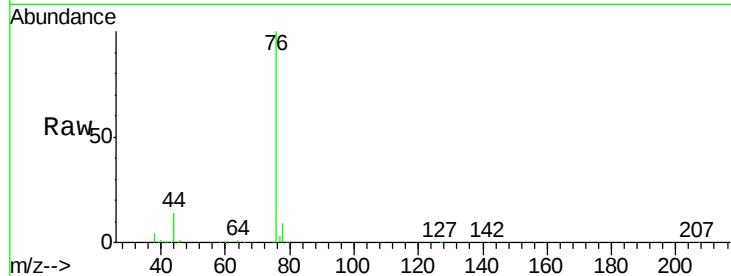
#17  
Carbon Disulfide  
Concen: 47.555 ug/l  
RT: 4.06 min Scan# 710  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.6   | 7.6   | 11.4  |

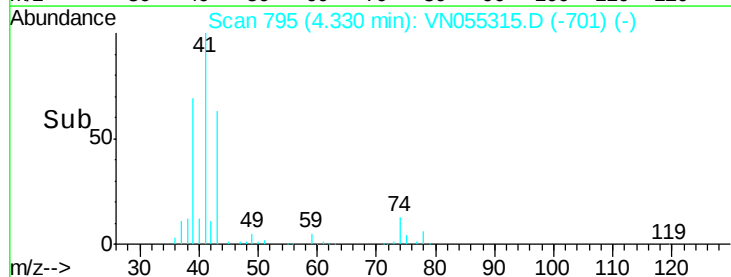
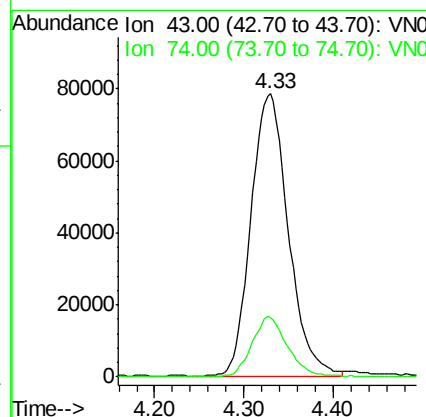
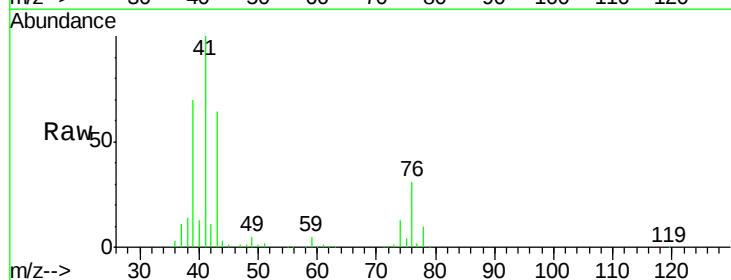
Manual Integrations  
APPROVED

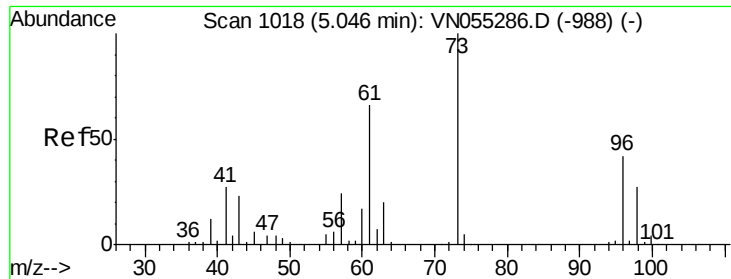
MMDadoda  
5/1/2019 3:01:26 PM



#18  
Methyl Acetate  
Concen: 60.740 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.4  | 15.8  | 23.8  |





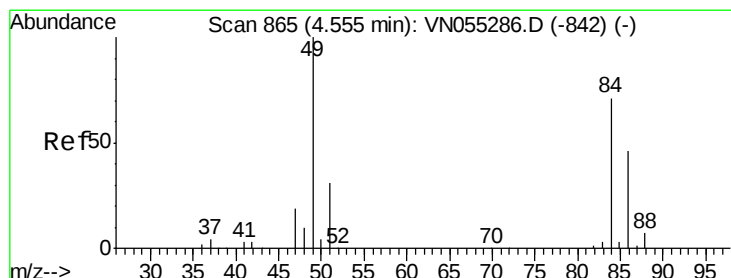
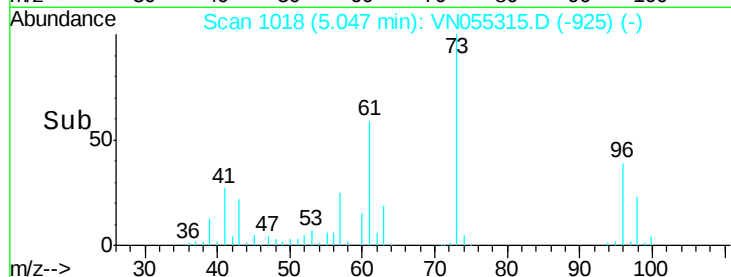
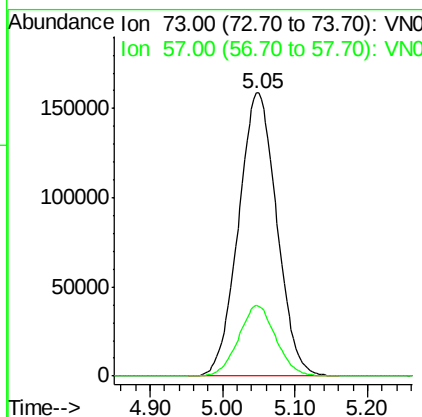
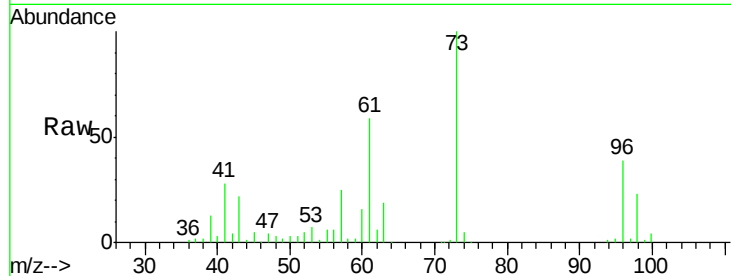
#19  
Methvl tert-butvl Ether  
Concen: 55.318 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 582632  
Ion Ratio Lower Upper  
73 100  
57 24.9 19.1 28.7

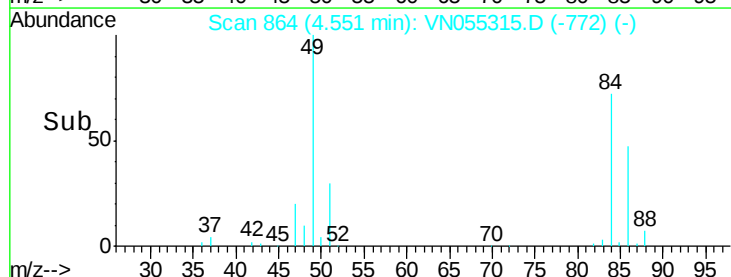
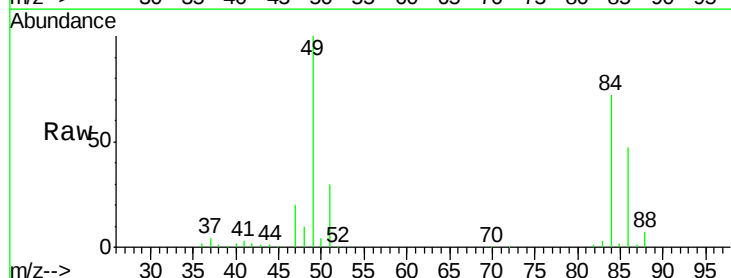
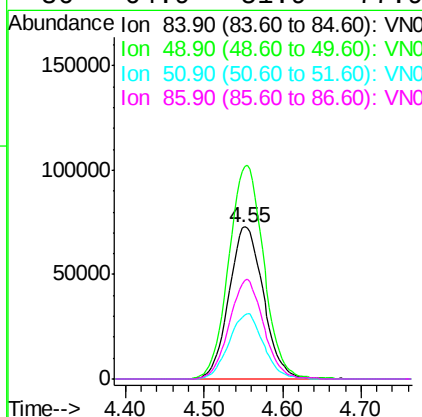
Manual Integrations  
APPROVED

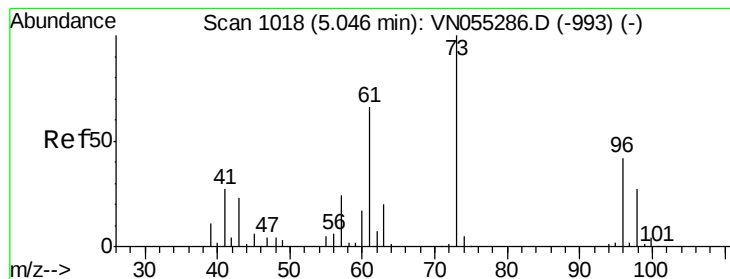
MMDadoda  
5/1/2019 3:01:26 PM



#20  
Methylene Chloride  
Concen: 47.285 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Tgt Ion: 84 Resp: 223131  
Ion Ratio Lower Upper  
84 100  
49 139.3 112.4 168.6  
51 42.0 34.6 51.8  
86 64.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 50.033 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 198523

Ion Ratio Lower Upper

96 100

61 149.0 126.2 189.4

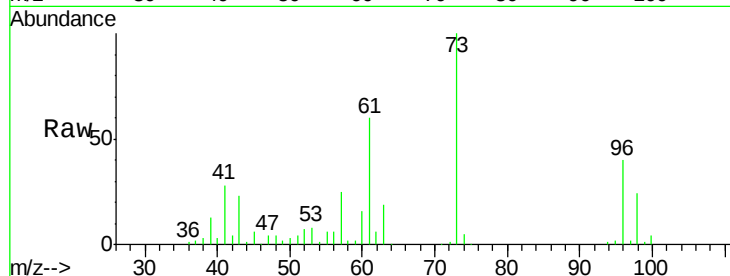
98 59.3 52.2 78.2

Manual Integrations

APPROVED

MMDadoda

5/1/2019 3:01:26 PM

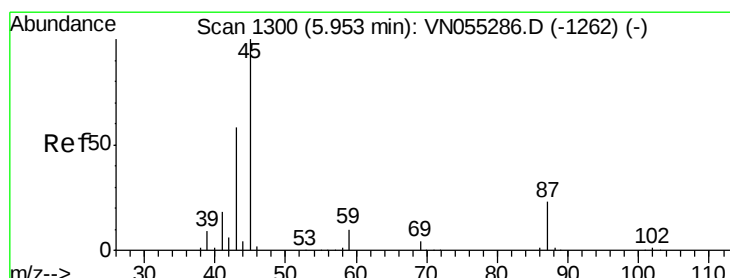
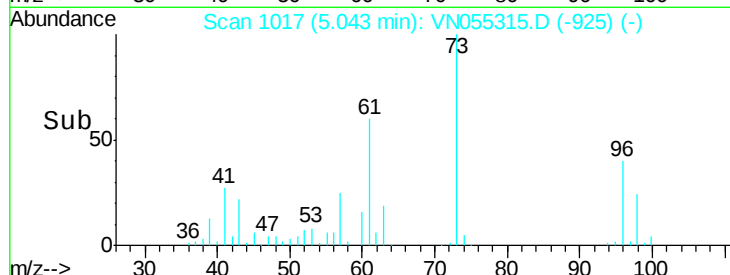
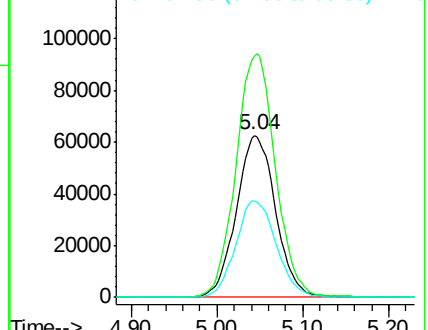


Abundance

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: 52.349 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Tgt Ion: 45 Resp: 807076

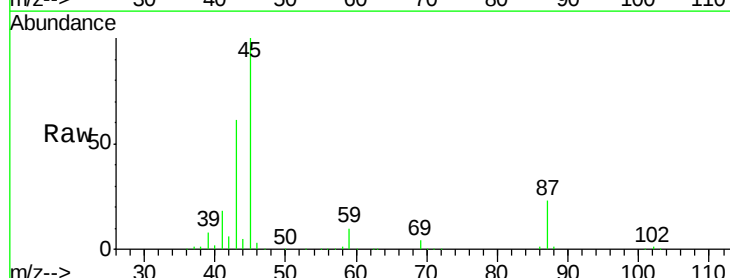
Ion Ratio Lower Upper

45 100

43 59.7 46.6 70.0

87 22.4 18.1 27.1

59 10.2 8.2 12.2



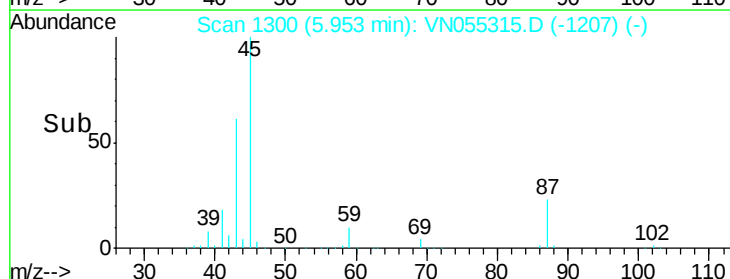
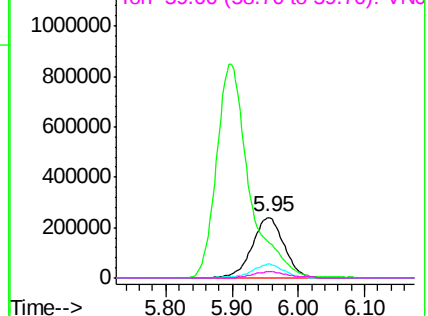
Abundance

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





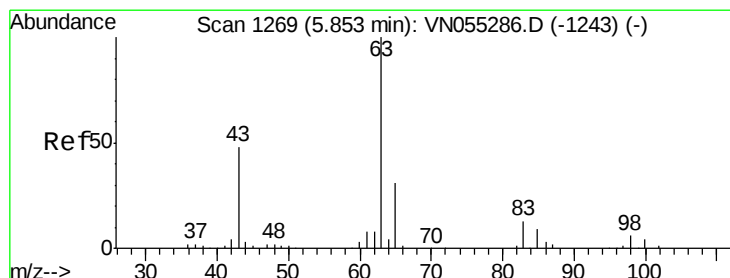
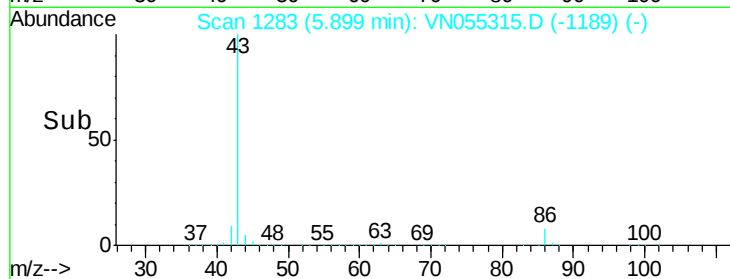
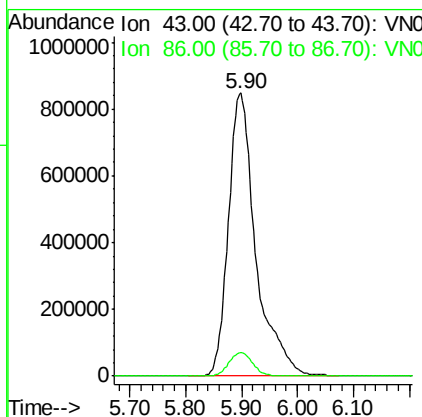
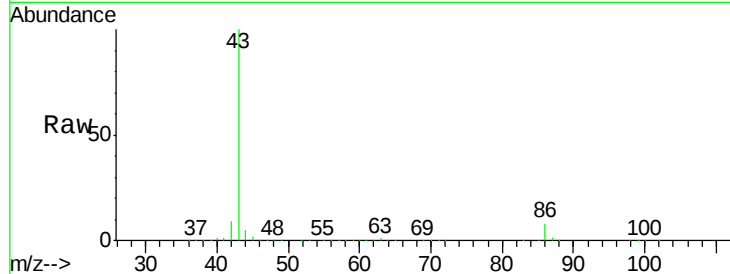
#23  
 Vinyl Acetate  
 Concen: 287.455 ug/l  
 RT: 5.90 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 2904562  
 Ion Ratio Lower Upper  
 43 100  
 86 8.4 6.6 10.0

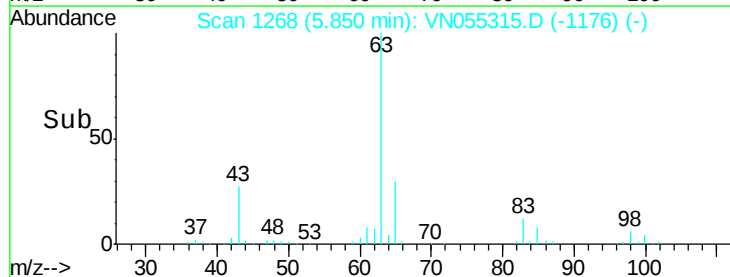
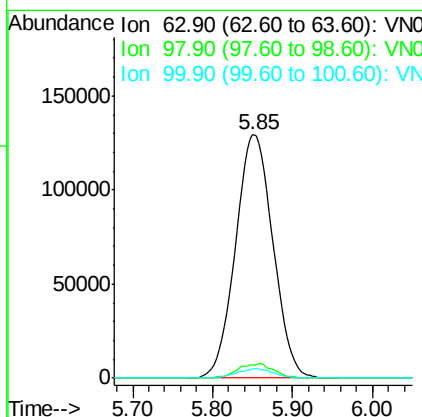
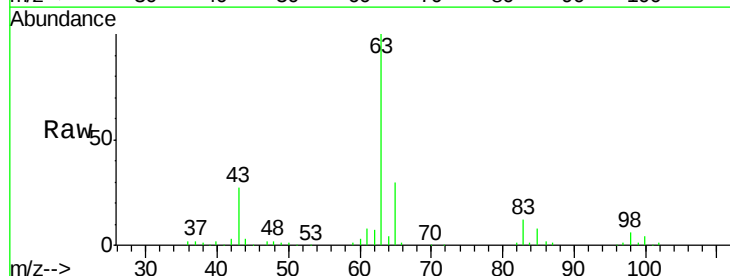
Manual Integrations  
 APPROVED

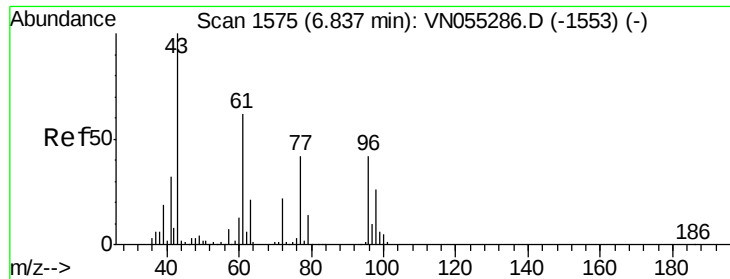
MMDadoda  
 5/1/2019 3:01:26 PM



#24  
 1,1-Dichloroethane  
 Concen: 50.022 ug/l  
 RT: 5.85 min Scan# 1268  
 Delta R.T. -0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

Tgt Ion: 63 Resp: 410901  
 Ion Ratio Lower Upper  
 63 100  
 98 5.6 3.0 9.0  
 100 3.7 1.8 5.4





#25

2-Butanone

Concen: 290.456 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 574265

Ion Ratio Lower Upper

43 100

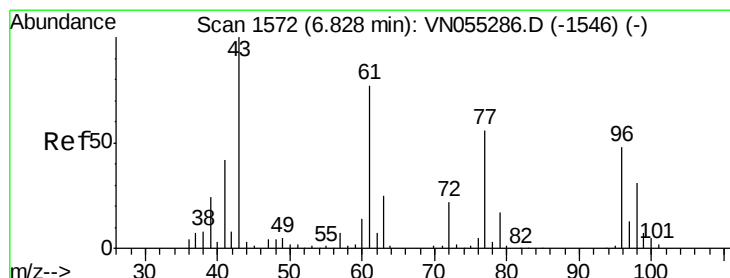
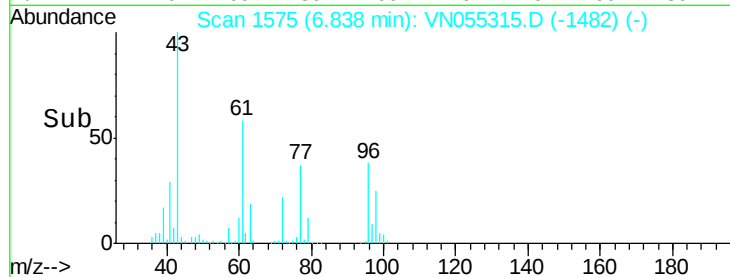
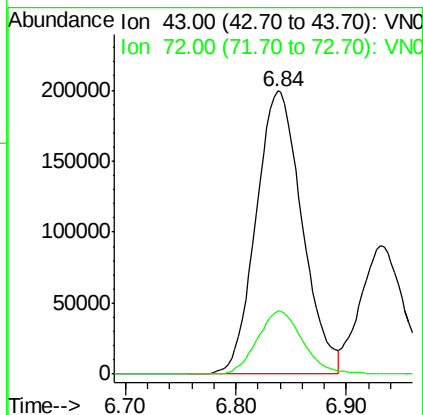
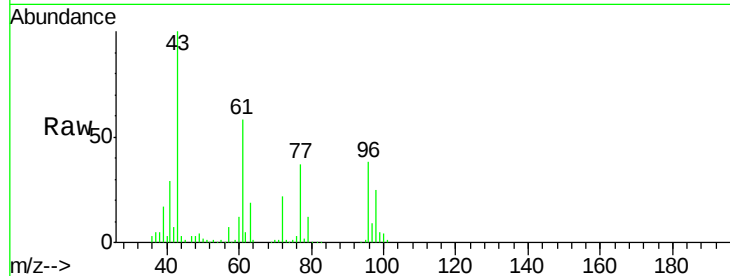
72 22.4 18.0 27.0

Manual Integrations

APPROVED

MMDadoda

5/1/2019 3:01:26 PM



#26

2,2-Dichloropropane

Concen: 46.769 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055315.D

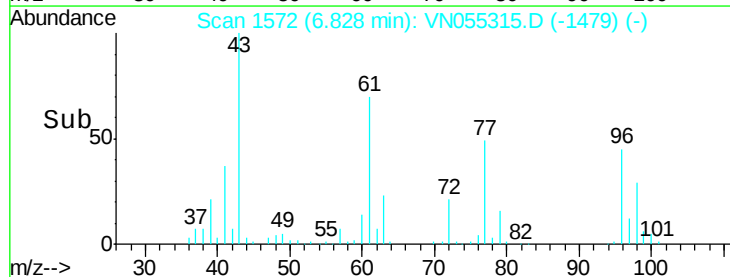
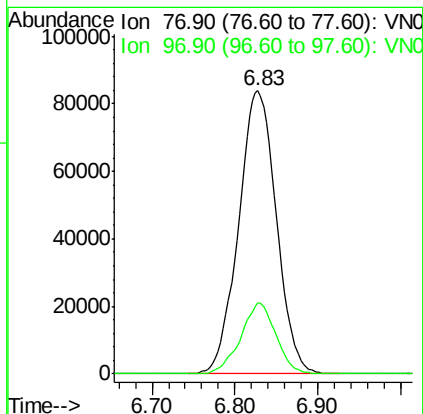
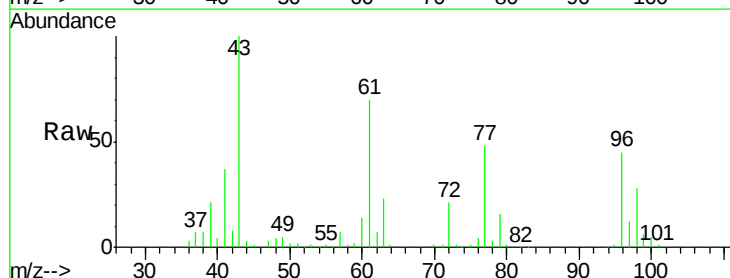
Acq: 30 Apr 2019 18:09

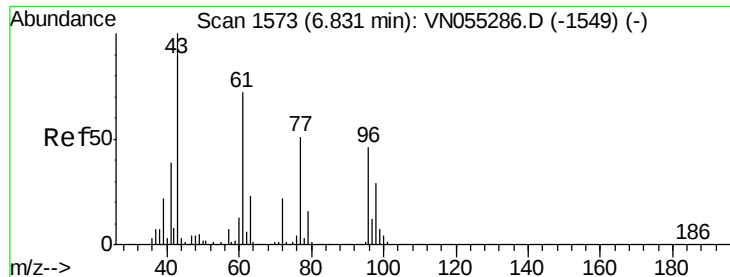
Tgt Ion: 77 Resp: 265295

Ion Ratio Lower Upper

77 100

97 23.4 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 51.225 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 231135

Ion Ratio Lower Upper

96 100

61 157.1 0.0 316.2

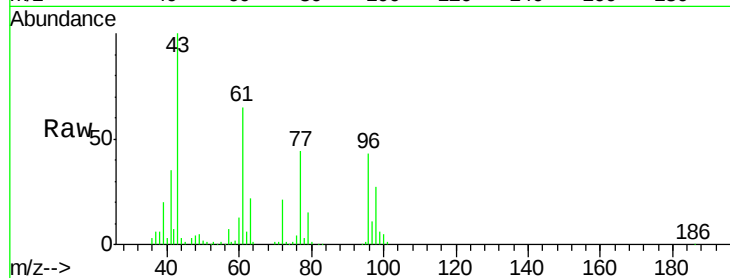
98 63.9 0.0 126.6

Manual Integrations

APPROVED

MMDadoda

5/1/2019 3:01:26 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

150000

100000

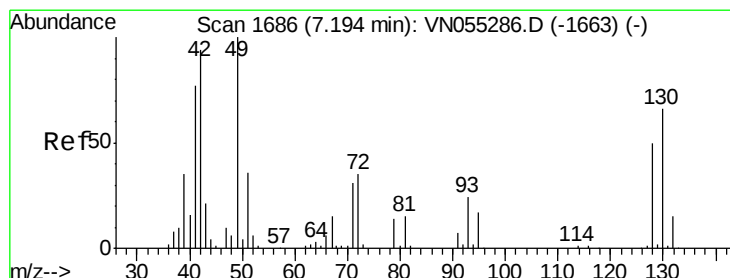
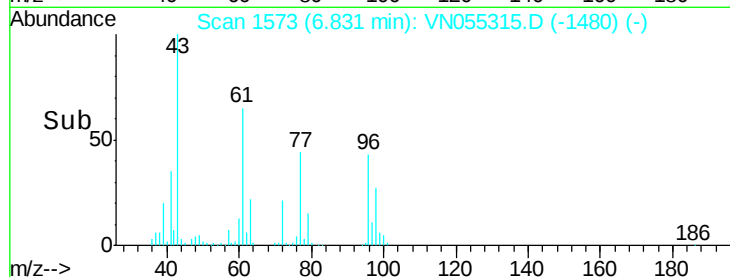
50000

0

6.70 6.80 6.90

6.83

Time-->



#28

Bromochloromethane

Concen: 50.577 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

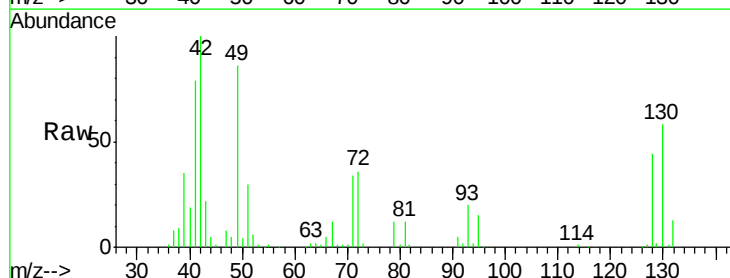
Tgt Ion: 49 Resp: 209421

Ion Ratio Lower Upper

49 100

129 1.7 0.0 2.4

130 64.9 52.0 78.0



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

100000

80000

60000

40000

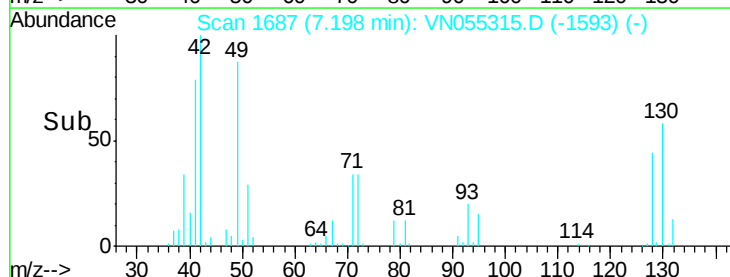
20000

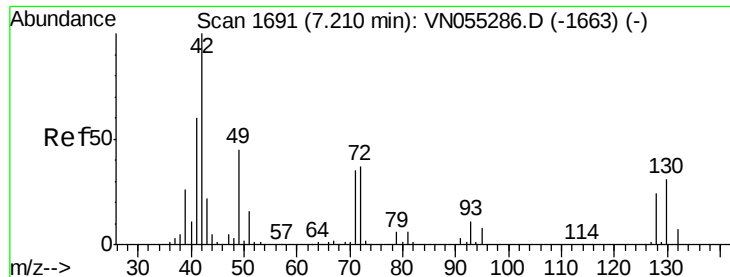
0

7.10 7.20 7.30

7.20

Time-->





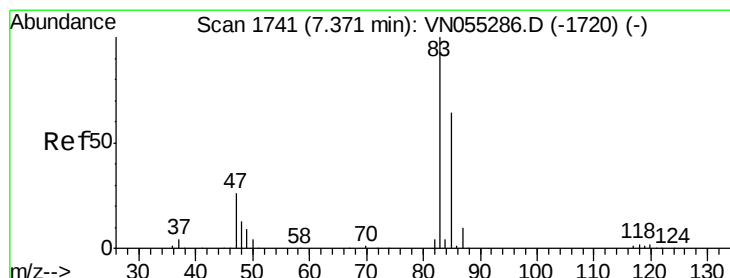
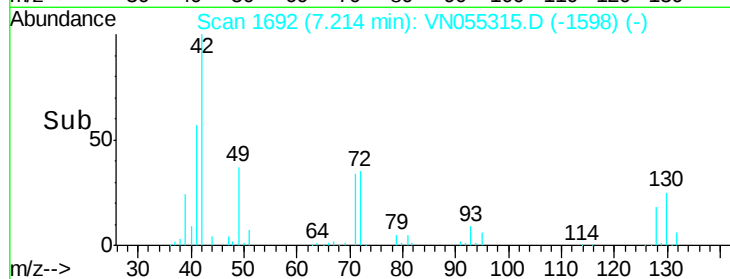
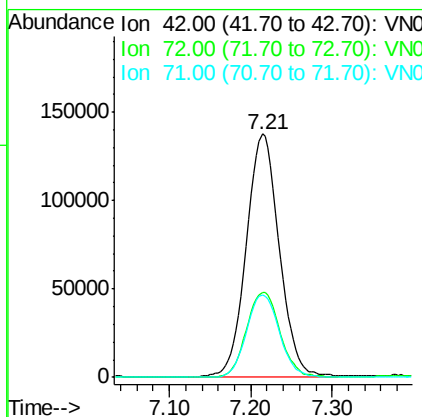
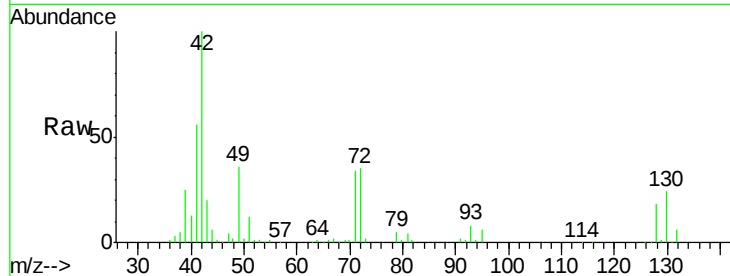
#29  
Tetrahydrofuran  
Concen: 301.857 ug/l  
RT: 7.21 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 35.9  | 29.0  | 43.6  |
| 71      | 34.1  | 27.1  | 40.7  |

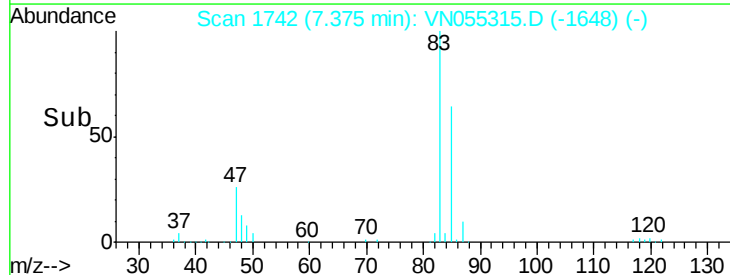
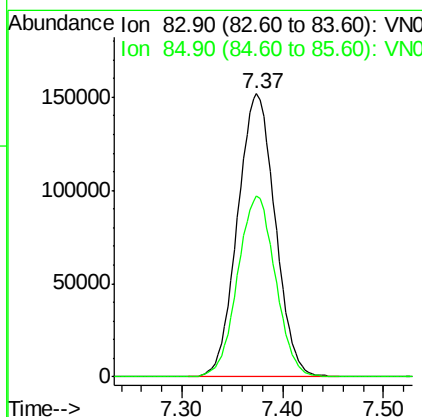
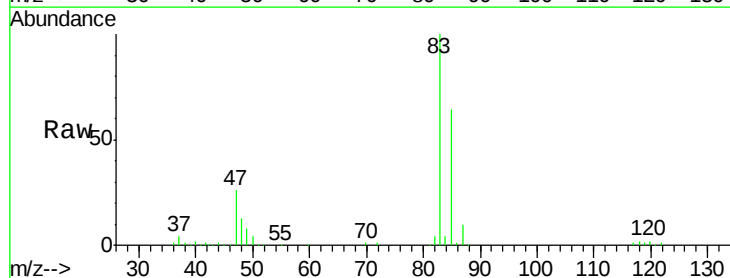
Manual Integrations  
APPROVED

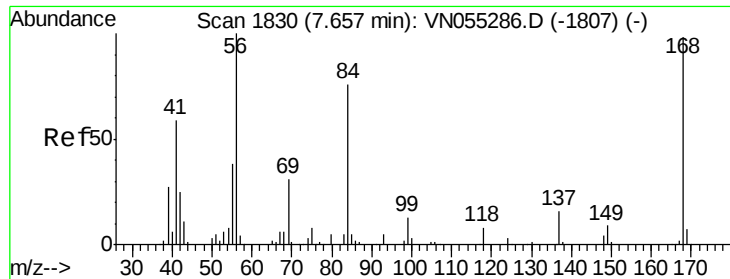
MMDadoda  
5/1/2019 3:01:26 PM



#30  
Chloroform  
Concen: 50.377 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.0  | 51.4  | 77.2  |





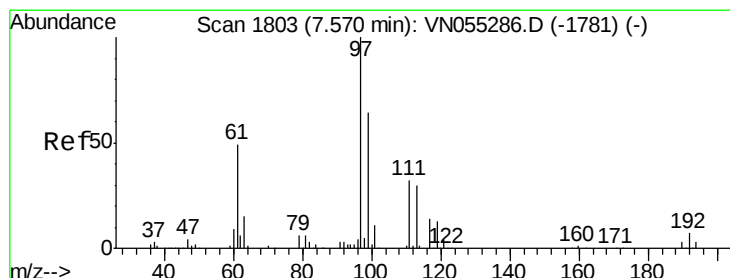
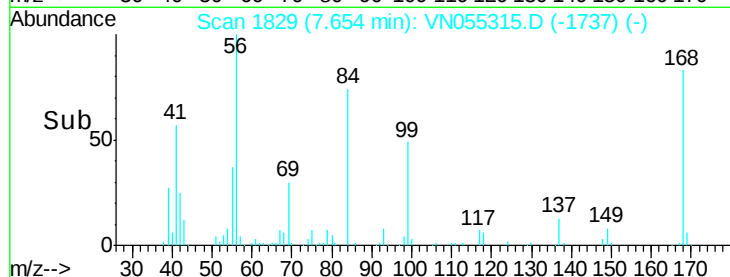
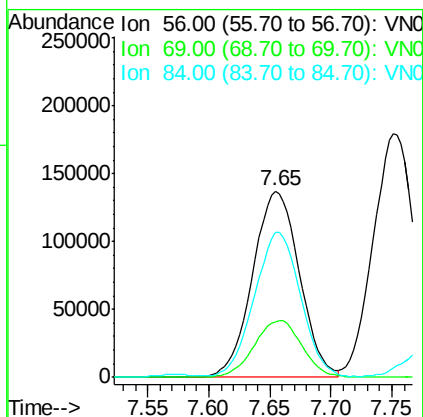
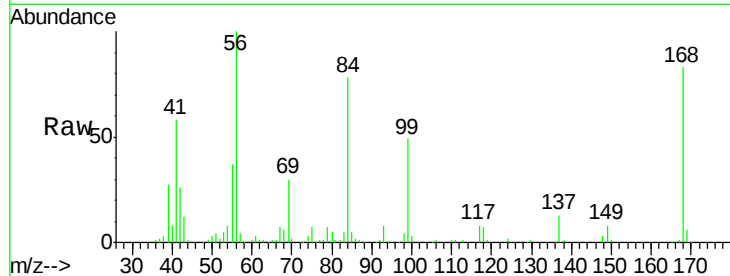
#31  
Cyclohexane  
Concen: 46.782 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. -0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 29.8  | 25.2  | 37.8  |
| 84      | 76.4  | 61.1  | 91.7  |

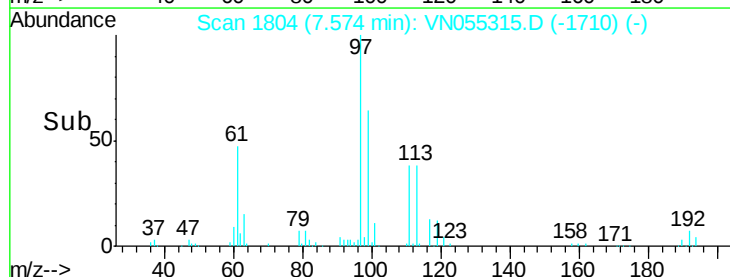
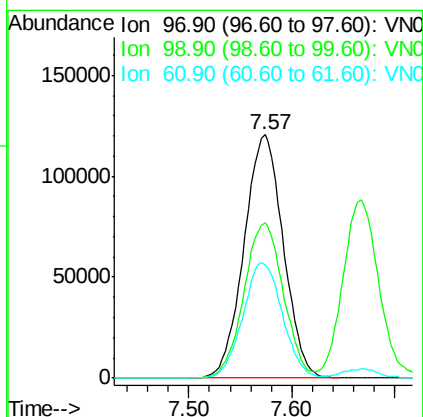
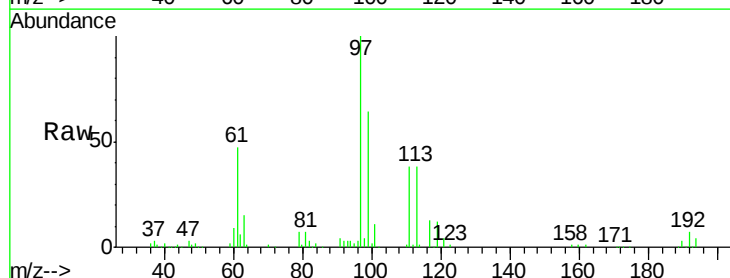
Manual Integrations  
APPROVED

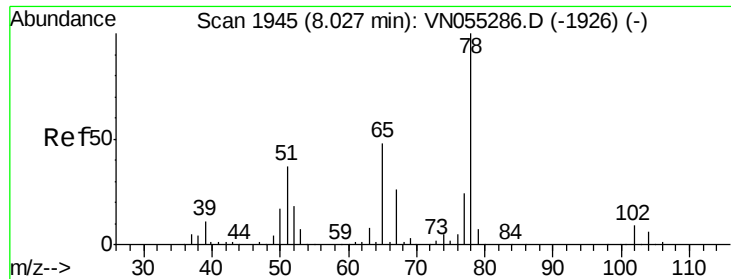
MMDadoda  
5/1/2019 3:01:26 PM



#32  
1,1,1-Trichloroethane  
Concen: 50.384 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.2  | 51.8  | 77.8  |
| 61      | 47.8  | 39.0  | 58.6  |





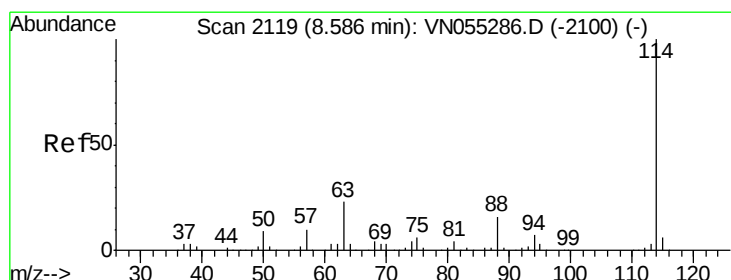
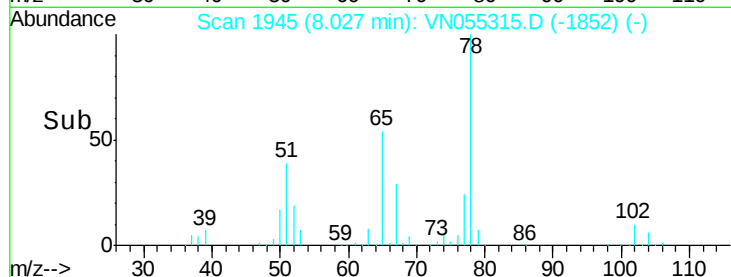
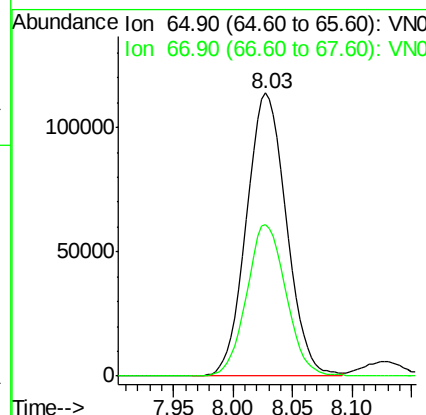
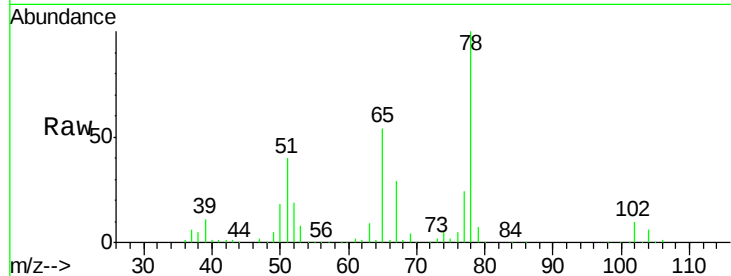
#33  
 1,2-Dichloroethane-d4  
 Concen: 53.522 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 265560 |       |       |
| 67      | 52.7  | 0.0    | 106.8 |       |

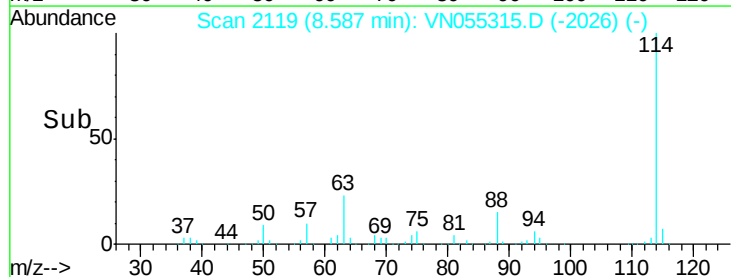
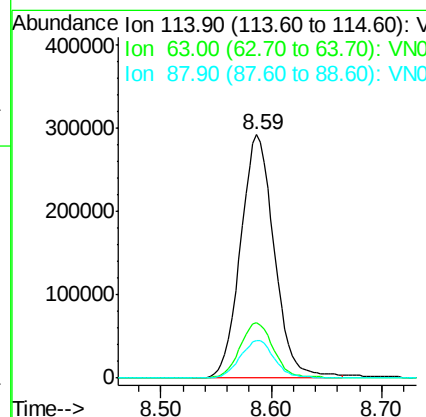
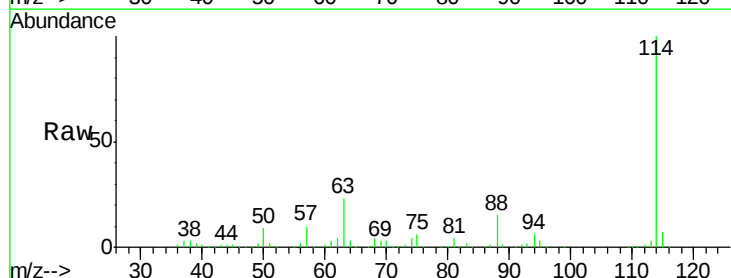
Manual Integrations  
 APPROVED

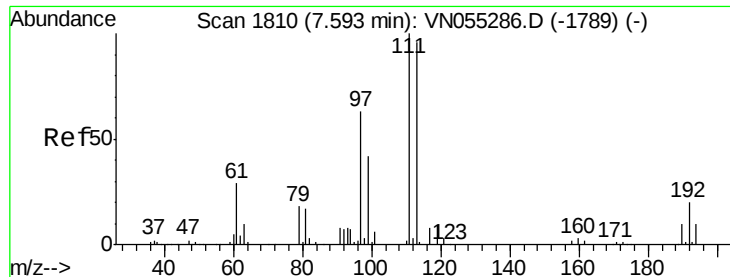
MMDadoda  
 5/1/2019 3:01:26 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 619378 |       |       |
| 63      | 22.9  | 0.0    | 45.2  |       |
| 88      | 15.4  | 0.0    | 31.6  |       |





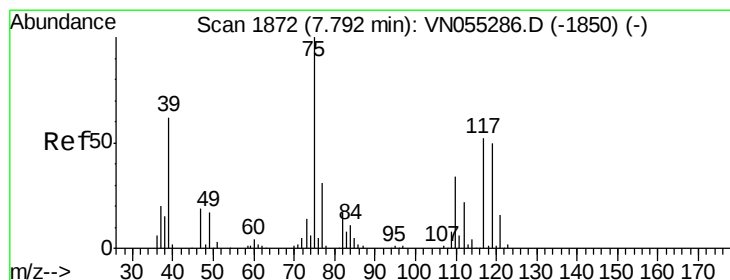
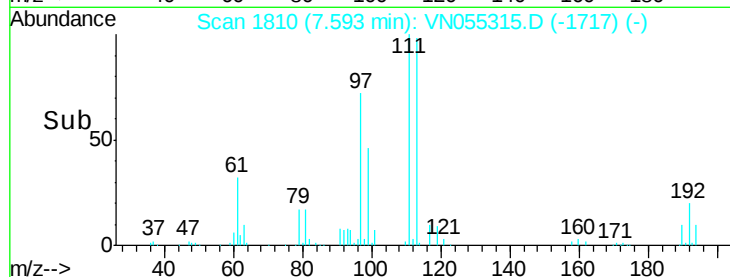
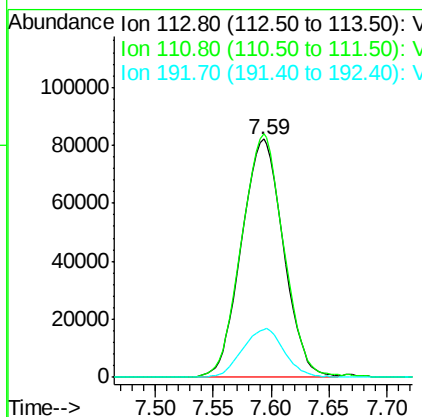
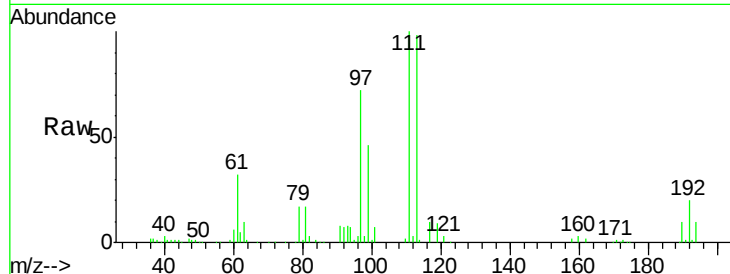
#35  
 Dibromofluoromethane  
 Concen: 50.989 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 207291 |       |       |
| 111     | 102.0 | 82.3   | 123.5 |       |
| 192     | 20.3  | 17.0   | 25.6  |       |

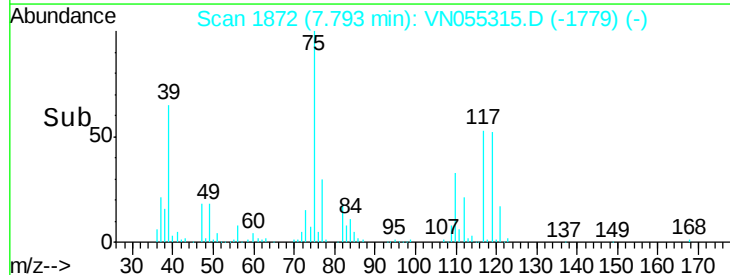
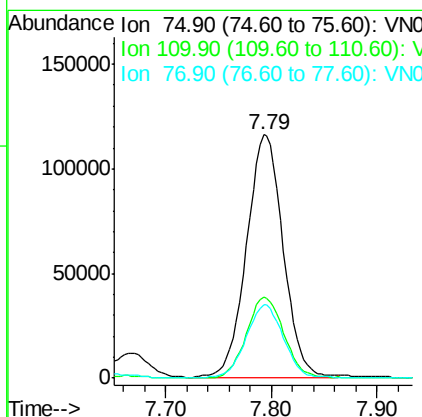
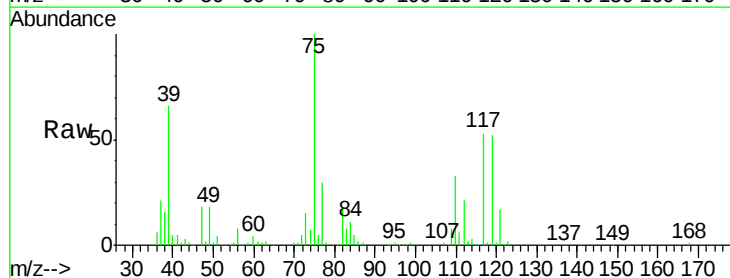
Manual Integrations  
 APPROVED

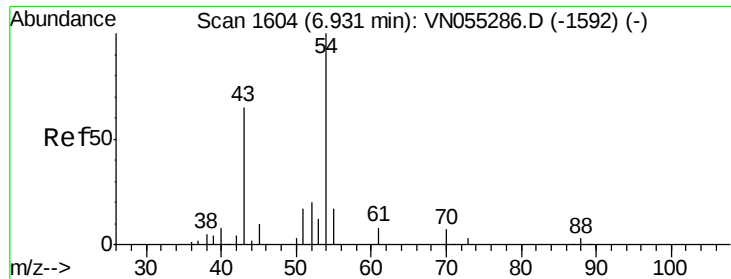
MMDadoda  
 5/1/2019 3:01:26 PM



#36  
 1,1-Dichloropropene  
 Concen: 47.156 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 279764 |       |       |
| 110     | 34.2  | 16.8   | 50.4  |       |
| 77      | 31.2  | 25.0   | 37.6  |       |





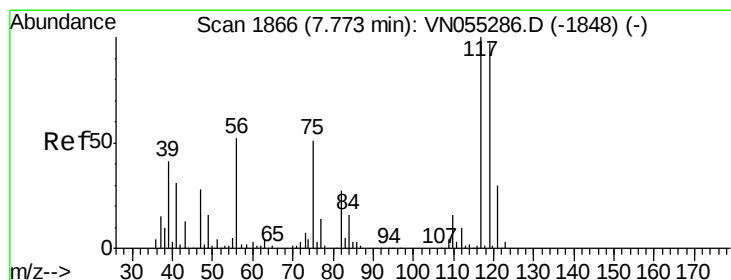
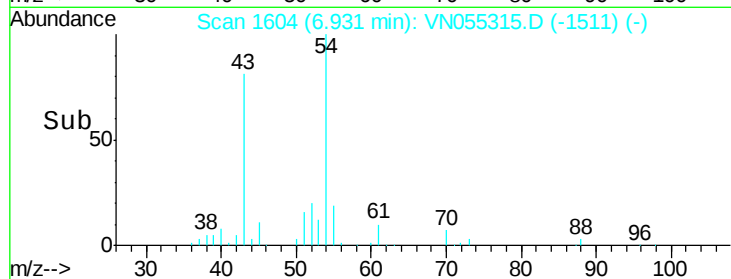
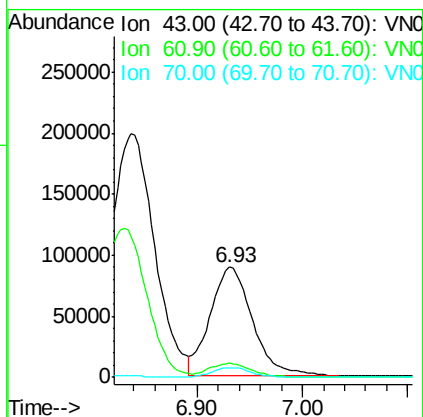
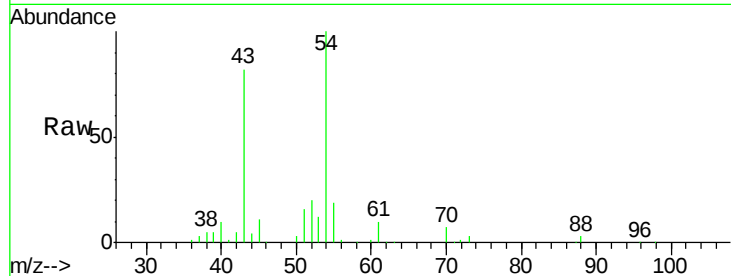
#37  
Ethyl Acetate  
Concen: 54.768 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

| Tot Ion | 43  | 61   | 70   |
|---------|-----|------|------|
| Ratio   | 100 | 12.8 | 8.7  |
| Lower   |     | 10.4 | 6.6  |
| Upper   |     | 15.6 | 10.0 |

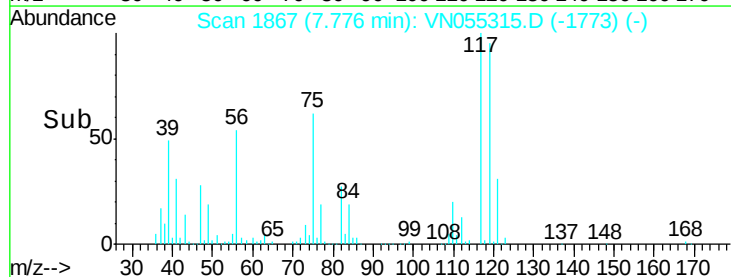
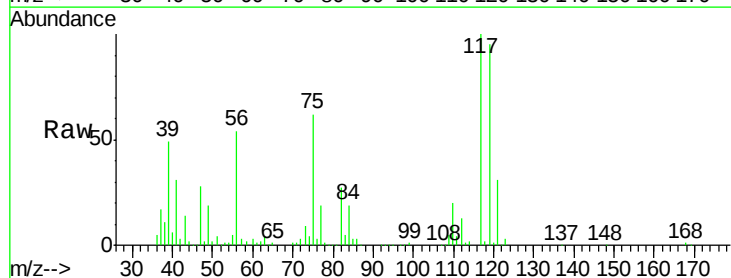
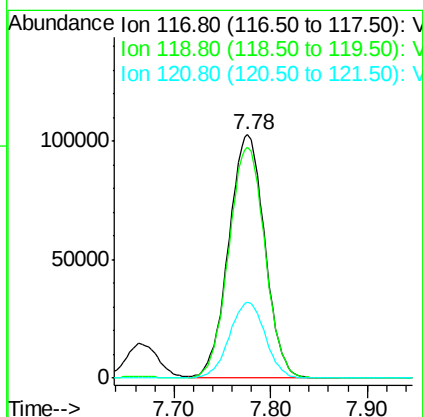
Manual Integrations  
APPROVED

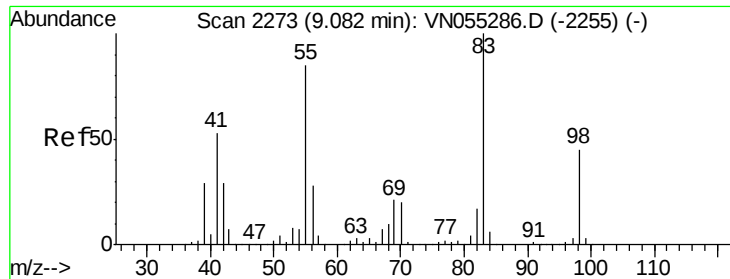
MMDadoda  
5/1/2019 3:01:26 PM



#38  
Carbon Tetrachloride  
Concen: 46.458 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

| Tgt Ion | 117 | 119   | 121  |
|---------|-----|-------|------|
| Ratio   | 100 | 95.0  | 31.0 |
| Lower   |     | 77.0  | 23.8 |
| Upper   |     | 115.6 | 35.8 |





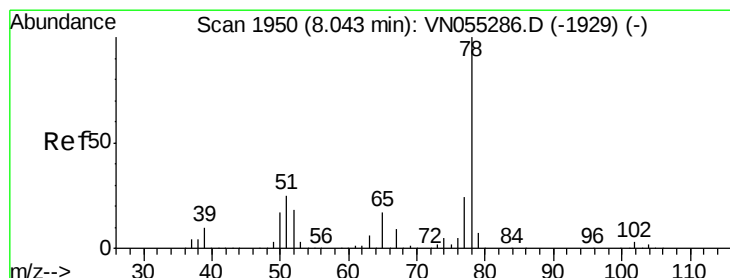
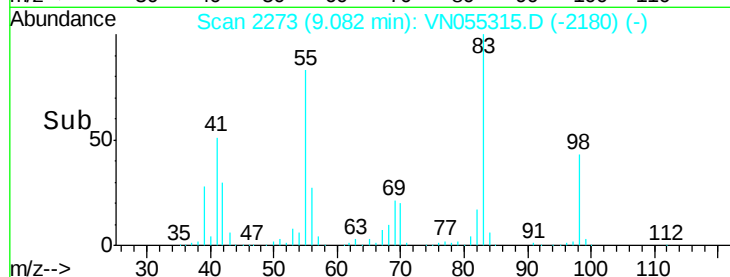
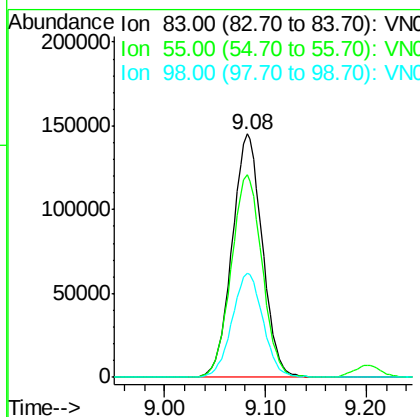
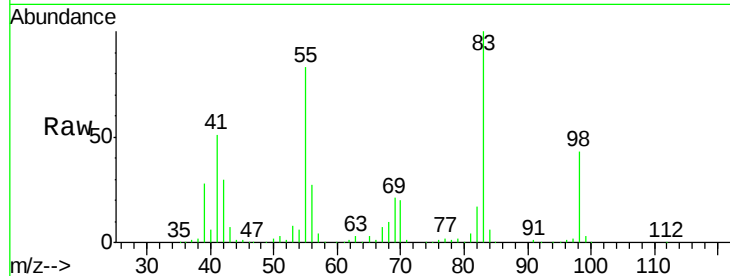
#39  
Methvlcvclohexane  
Concen: 47.701 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83    | Resp  | 300882 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 83.2  | 67.8  | 101.6  |
| 98        | 43.0  | 36.2  | 54.4   |

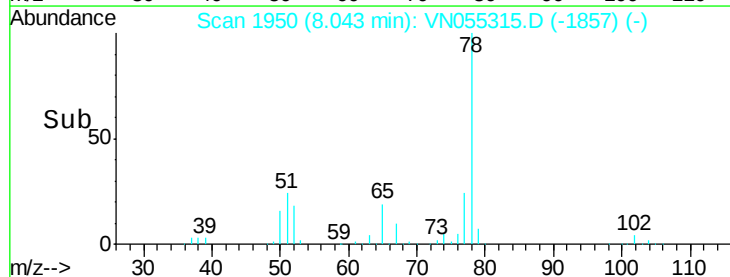
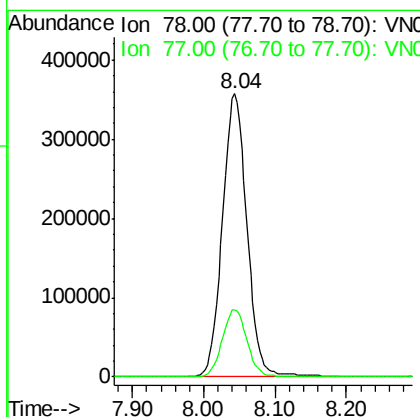
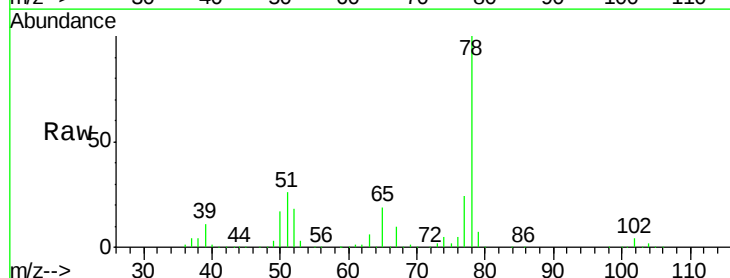
Manual Integrations  
APPROVED

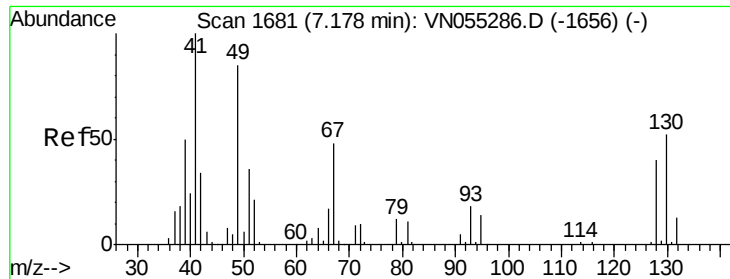
MMDadoda  
5/1/2019 3:01:26 PM



#40  
Benzene  
Concen: 48.867 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

| Tgt Ion   | 78    | Resp  | 854643 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.9  | 19.0  | 28.6   |





#41

Methacrylonitrile

Concen: 50.425 ug/l m

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 124104  
Ion Ratio Lower Upper

41 100

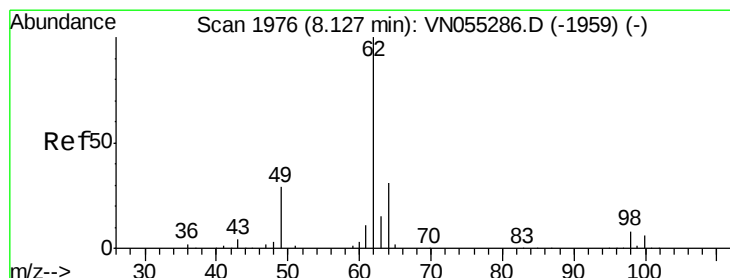
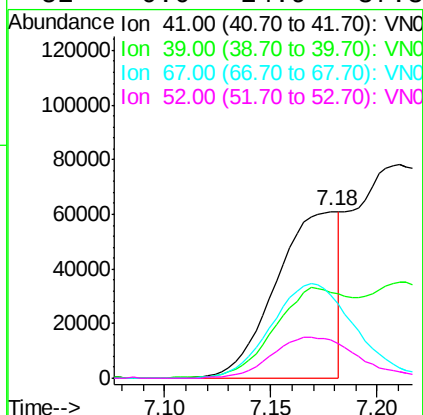
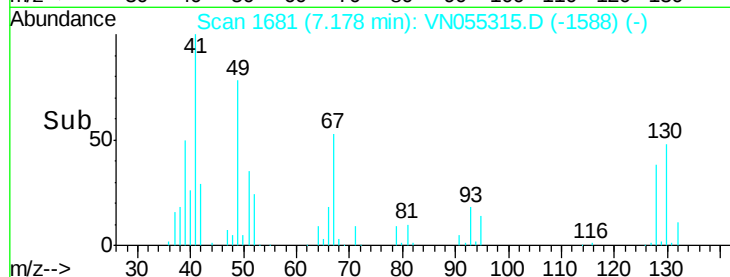
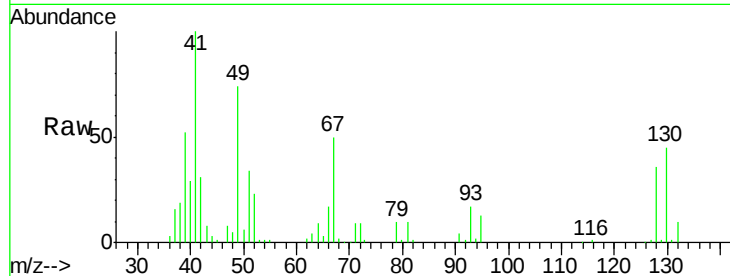
39 0.0 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

Manual Integrations  
APPROVED

MMDadoda  
5/1/2019 3:01:26 PM



#42

1,2-Dichloroethane

Concen: 48.995 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

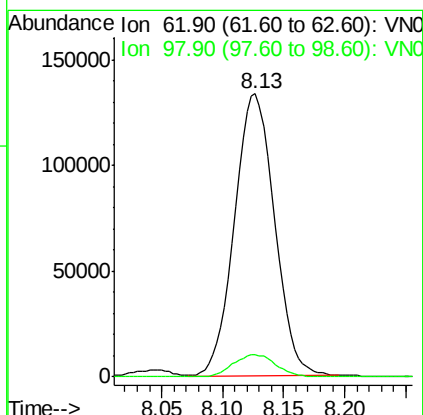
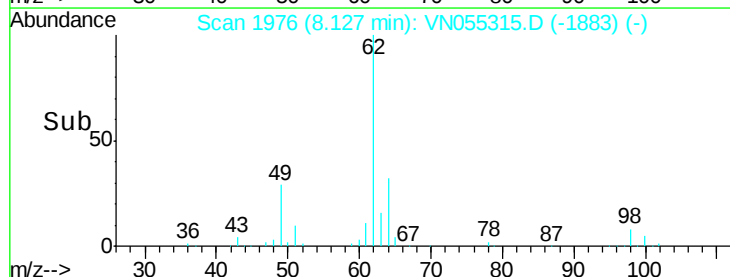
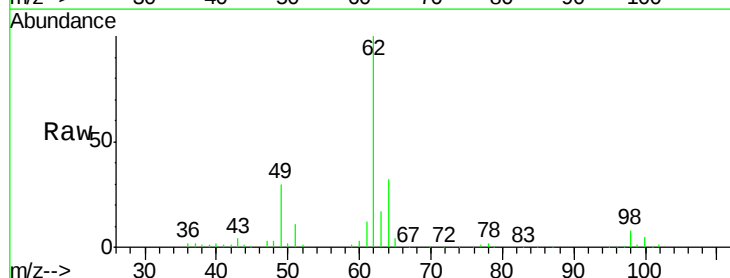
Lab File: VN055315.D

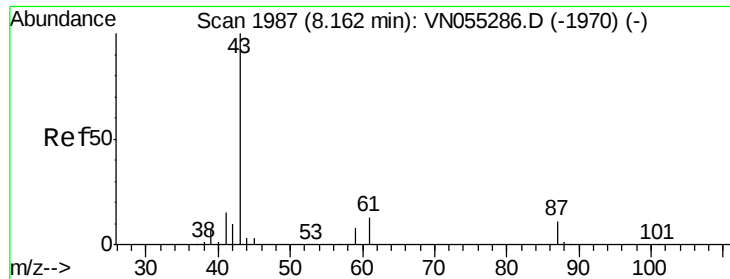
Acq: 30 Apr 2019 18:09

Tgt Ion: 62 Resp: 303490  
Ion Ratio Lower Upper

62 100

98 8.4 0.0 16.4





#43

Isopropyl Acetate

Concen: 61.944 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

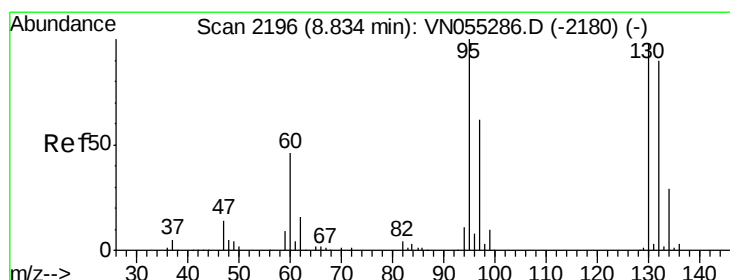
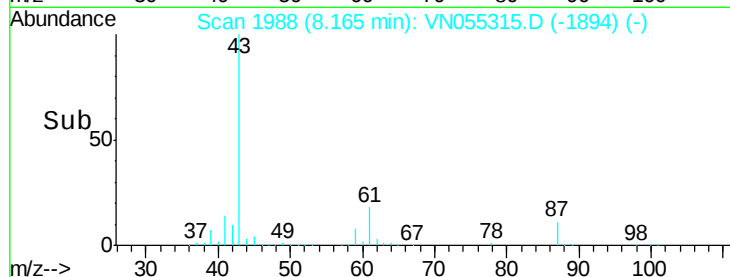
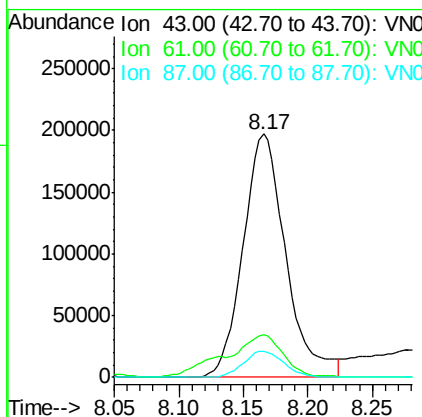
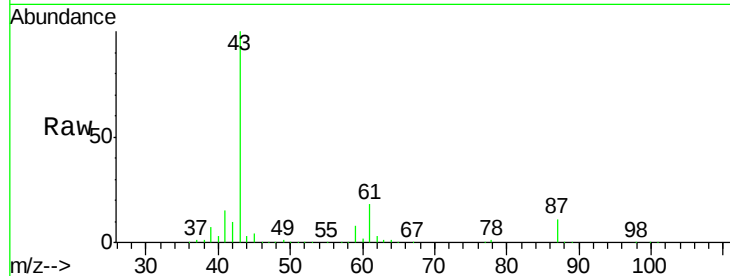
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 452635 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 16.8  | 20.8  | 31.2#  |
| 87        | 10.2  | 8.5   | 12.7   |

Manual Integrations  
APPROVED

MMDadoda  
5/1/2019 3:01:26 PM



#44

Trichloroethene

Concen: 47.910 ug/l

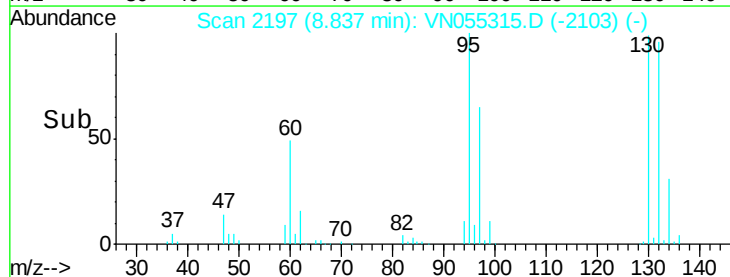
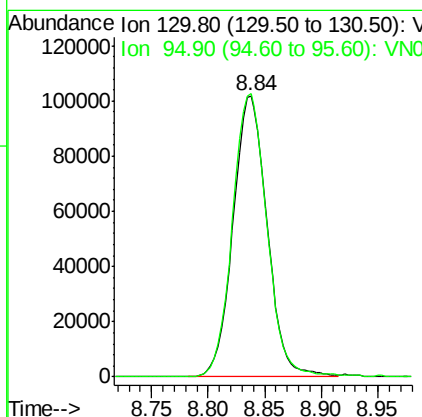
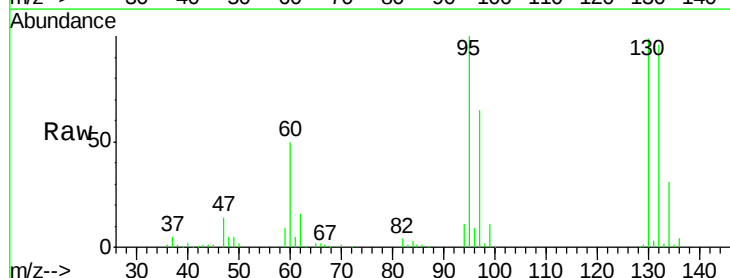
RT: 8.84 min Scan# 2197

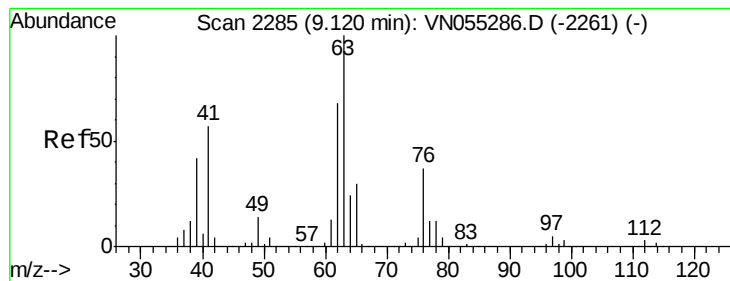
Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 130   | Resp: | 213605 |
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 100.6 | 0.0   | 203.4  |





#45

1,2-Dichloropropane

Concen: 49.191 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 63 Resp: 248128

Ion Ratio Lower Upper

63 100

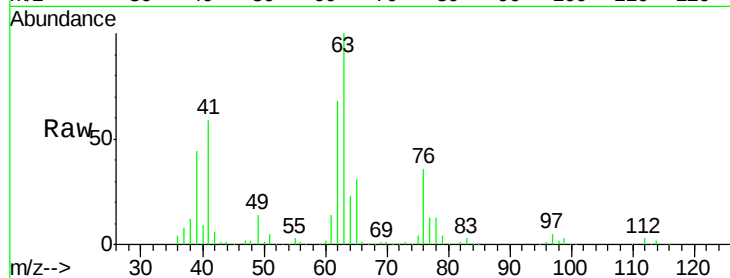
65 30.8 23.9 35.9

Manual Integrations

APPROVED

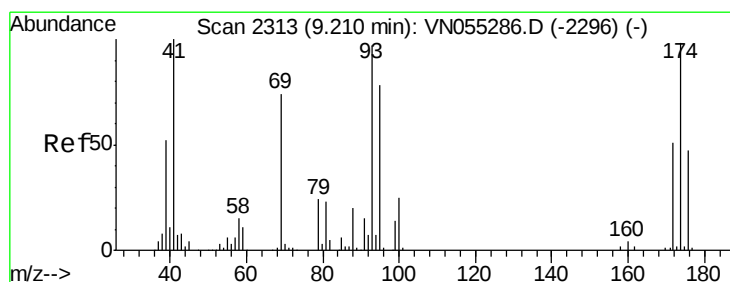
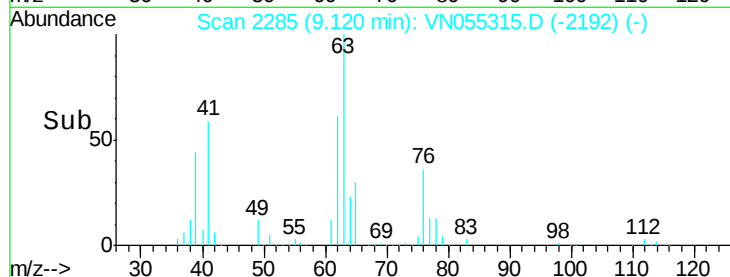
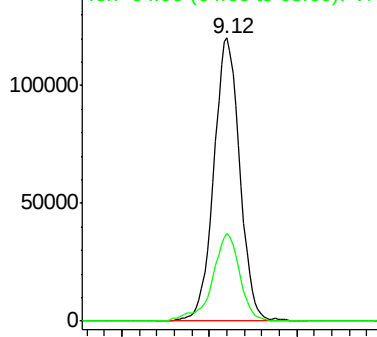
MMDadoda

5/1/2019 3:01:26 PM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 51.344 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

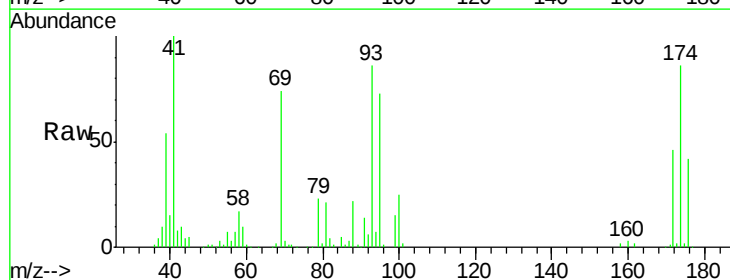
Tgt Ion: 93 Resp: 141563

Ion Ratio Lower Upper

93 100

95 82.6 65.7 98.5

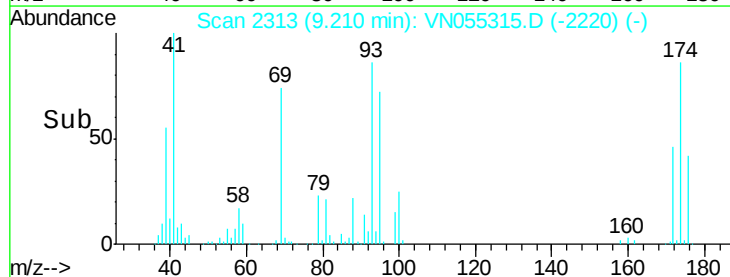
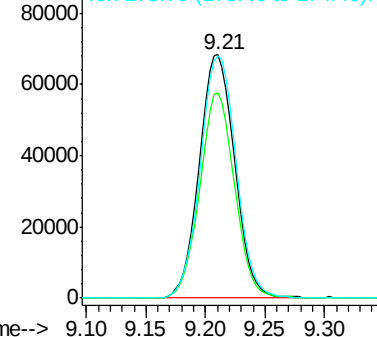
174 100.3 81.5 122.3



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





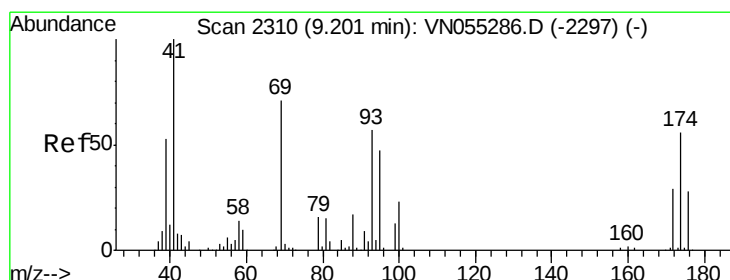
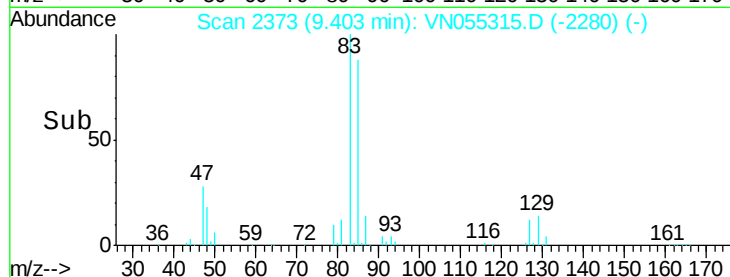
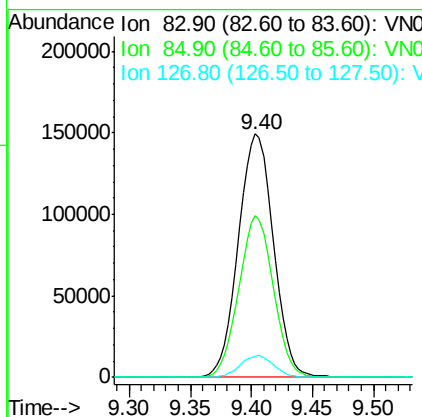
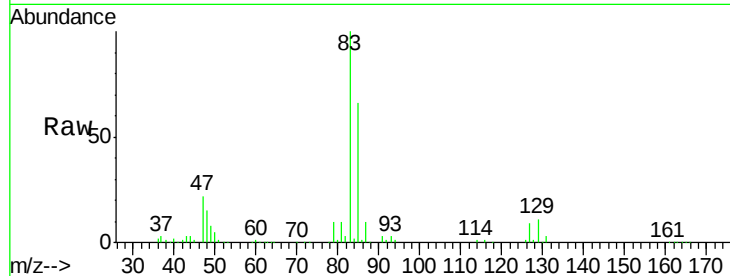
#47  
Bromodichloromethane  
Concen: 50.251 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 297232 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 66.2  | 50.1  | 75.1   |
| 127       | 8.8   | 6.7   | 10.1   |

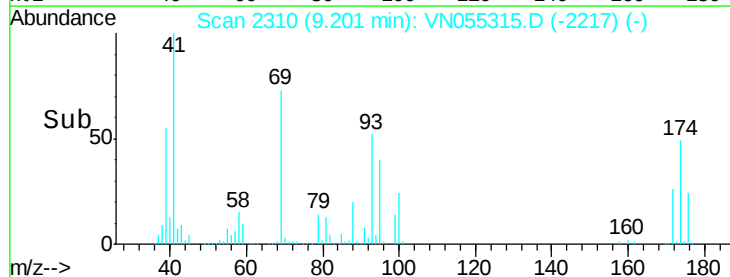
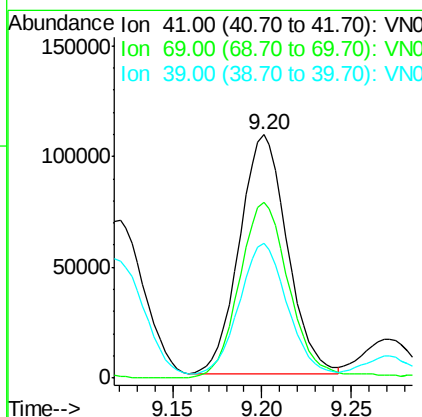
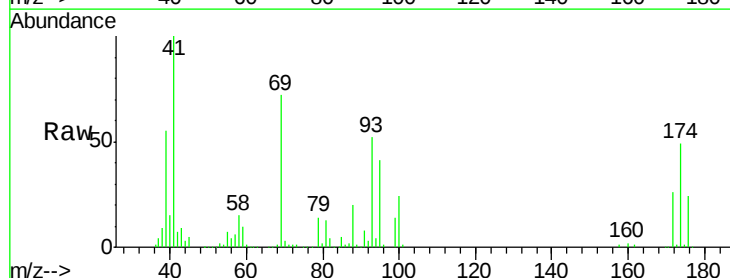
Manual Integrations  
APPROVED

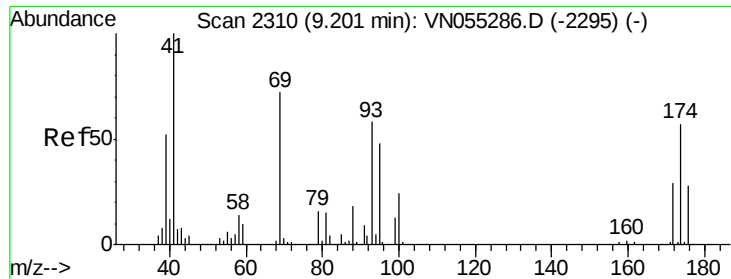
MMDadoda  
5/1/2019 3:01:26 PM



#48  
Methyl methacrylate  
Concen: 56.004 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 201178 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 78.3  | 58.6  | 87.8   |
| 39        | 57.5  | 43.8  | 65.6   |





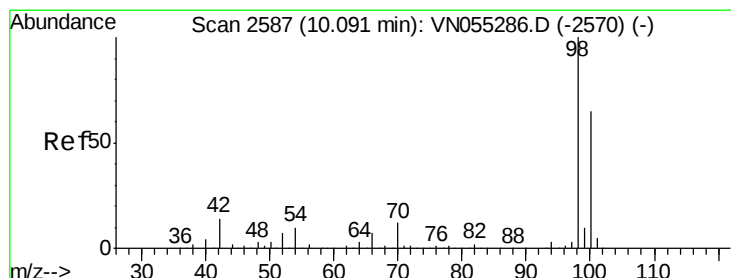
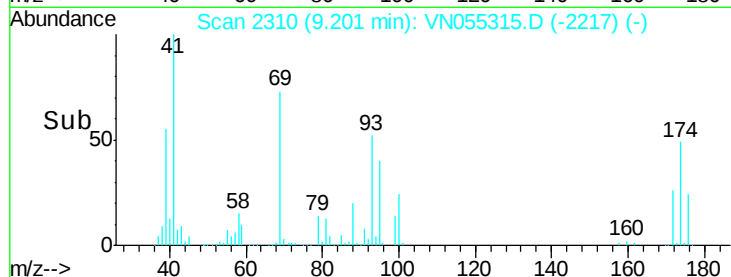
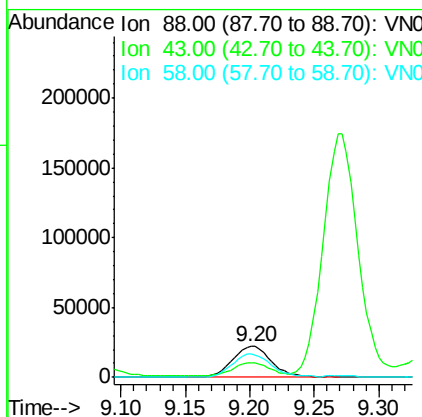
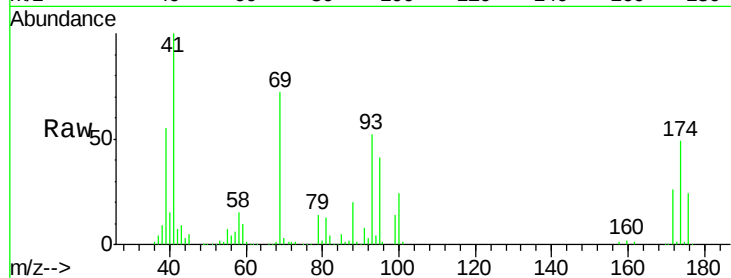
#49  
1,4-Dioxane  
Concen: 1262.730 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 88    | Resp  | 46890 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 41.1  | 33.3  | 49.9  |
| 58      | 76.5  | 62.7  | 94.1  |

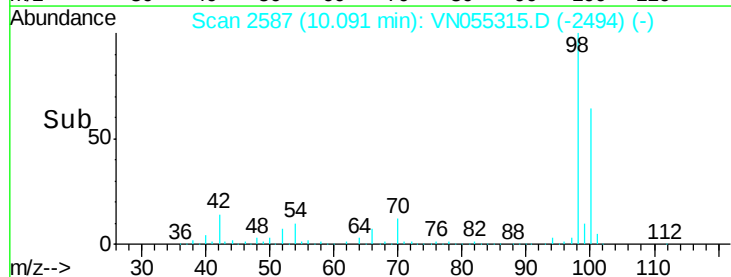
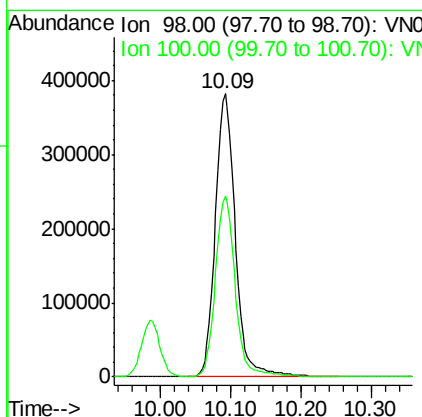
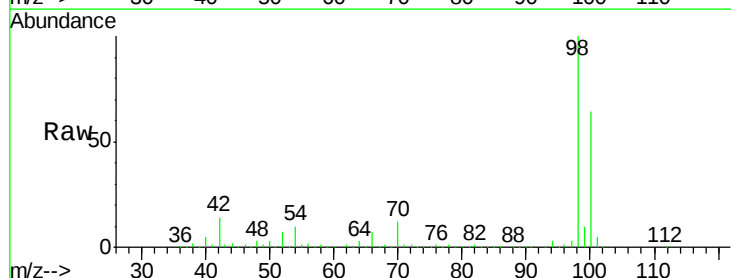
Manual Integrations  
APPROVED

MMDadoda  
5/1/2019 3:01:26 PM



#50  
Toluene-d8  
Concen: 51.351 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

| Tgt Ion | 98    | Resp  | 753818 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 63.8  | 51.7  | 77.5   |





#51

4-Methyl-2-Pentanone

Concen: 296.306 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1219012

Ion Ratio Lower Upper

43 100

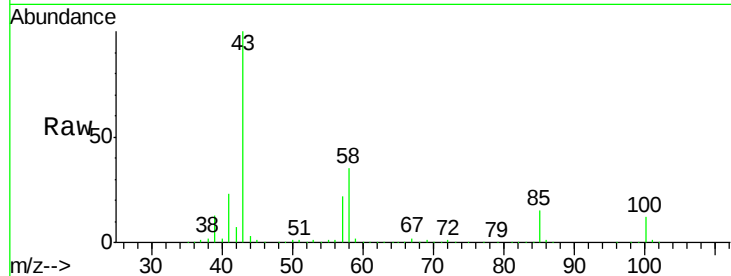
58 35.3 28.5 42.7

Manual Integrations

APPROVED

MMDadoda

5/1/2019 3:01:26 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

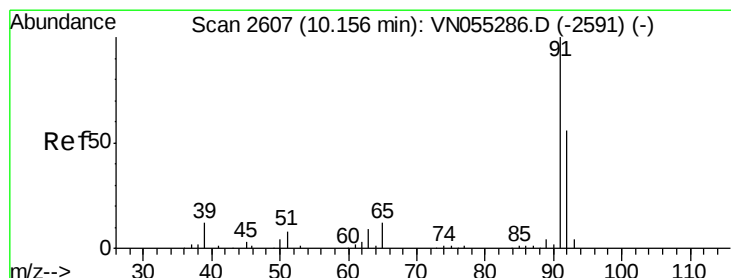
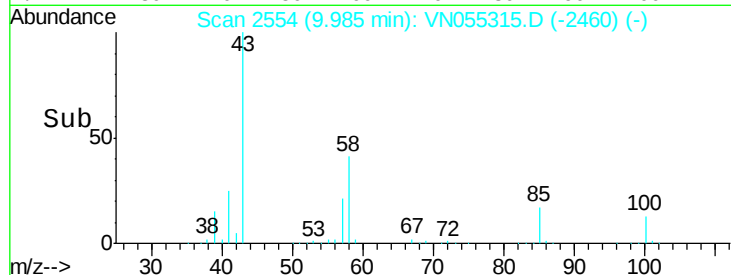
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.636 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055315.D

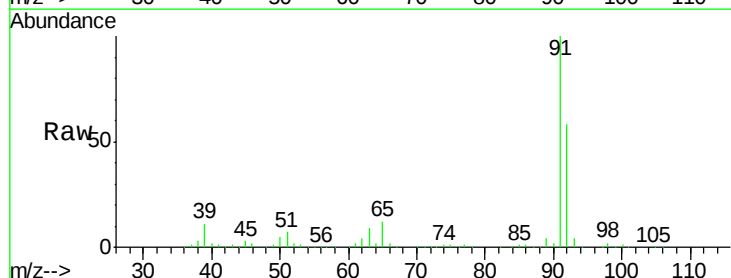
Acq: 30 Apr 2019 18:09

Tgt Ion: 92 Resp: 508123

Ion Ratio Lower Upper

92 100

91 175.0 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

500000

400000

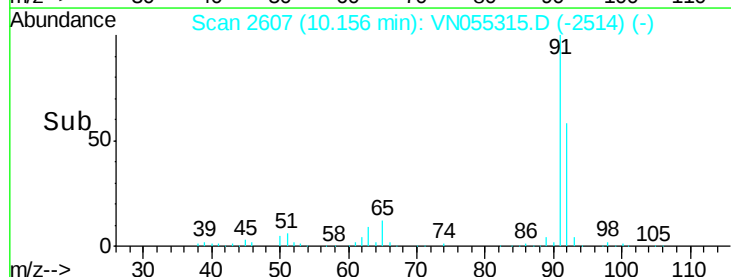
300000

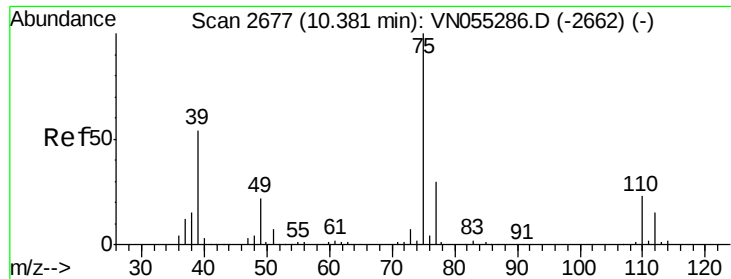
200000

100000

0

Time-->





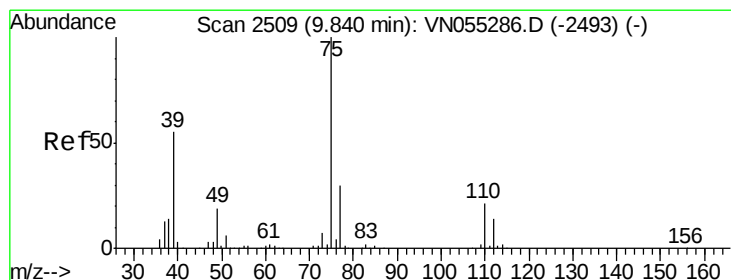
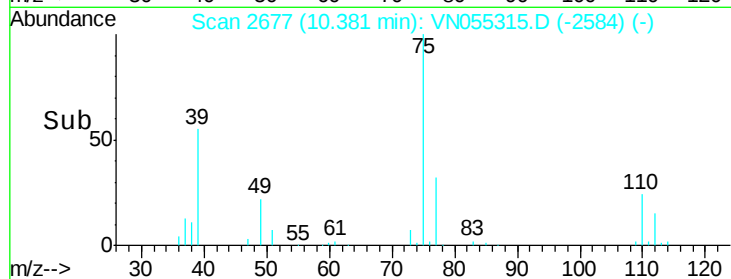
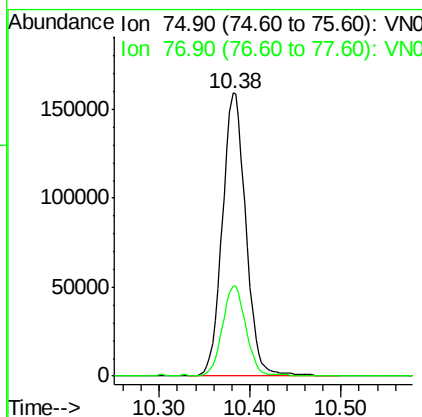
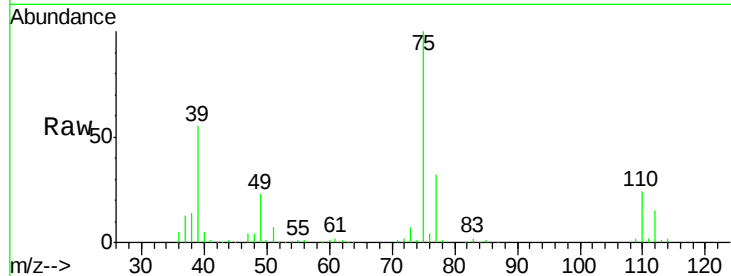
#53  
 t-1,3-Dichloropropene  
 Concen: 55.671 ug/l  
 RT: 10.38 min Scan# 2677  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.8  | 24.4  | 36.6  |

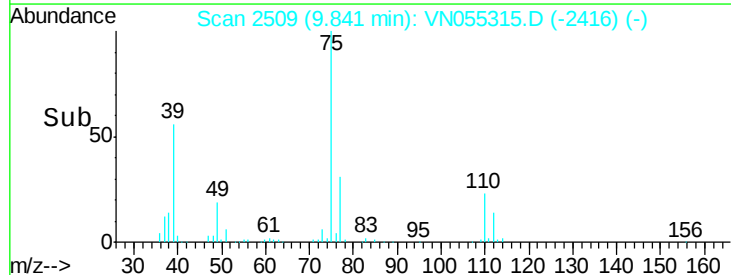
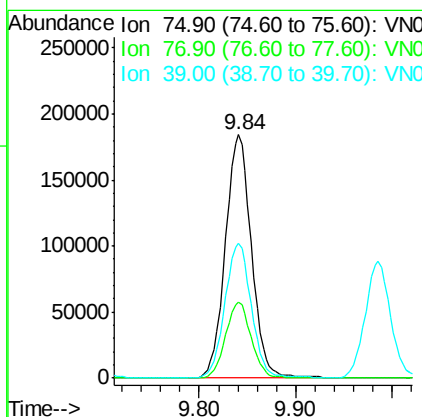
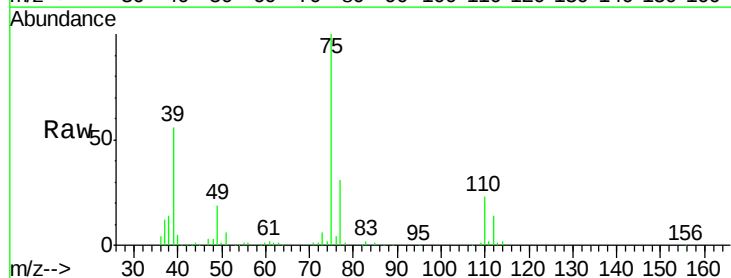
Manual Integrations  
 APPROVED

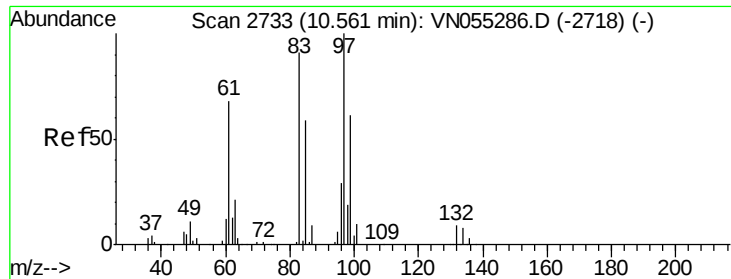
MMDadoda  
 5/1/2019 3:01:26 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.990 ug/l  
 RT: 9.84 min Scan# 2509  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.2  | 24.2  | 36.2  |
| 39      | 55.5  | 44.2  | 66.2  |





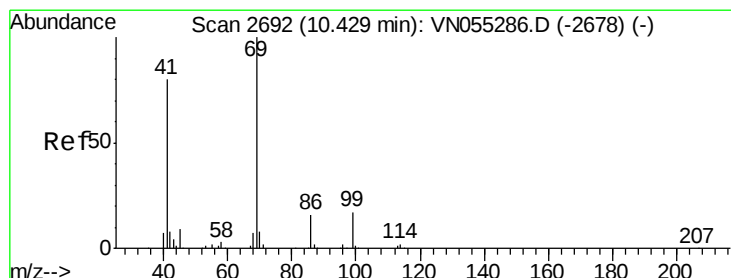
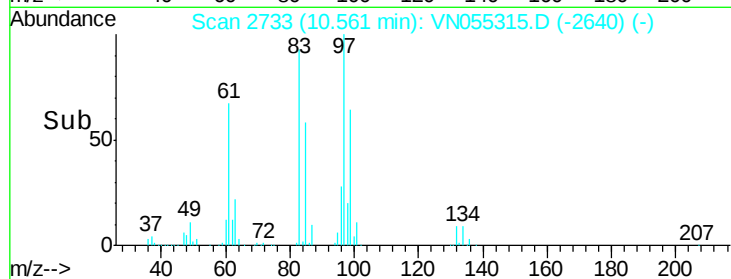
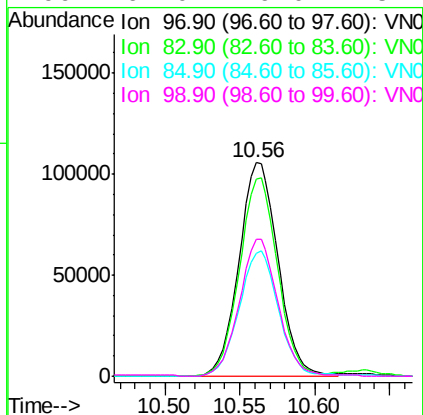
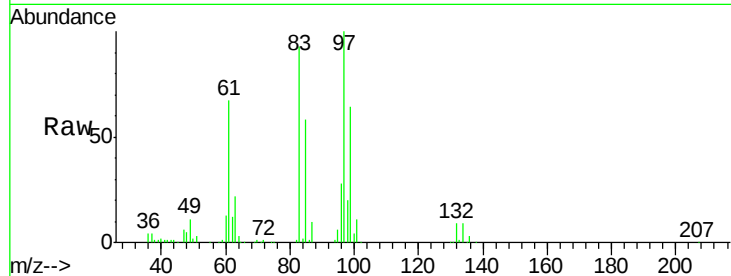
#55  
 1,1,2-Trichloroethane  
 Concen: 51.584 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 192218 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 92.6  | 72.8  | 109.2  |
| 85       | 57.6  | 47.0  | 70.6   |
| 99       | 64.0  | 49.0  | 73.4   |

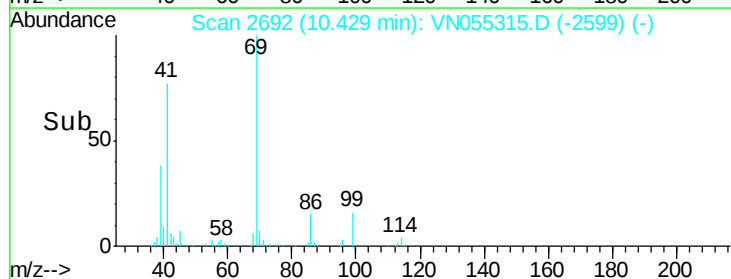
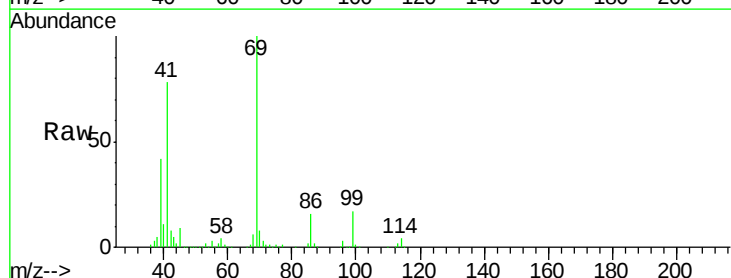
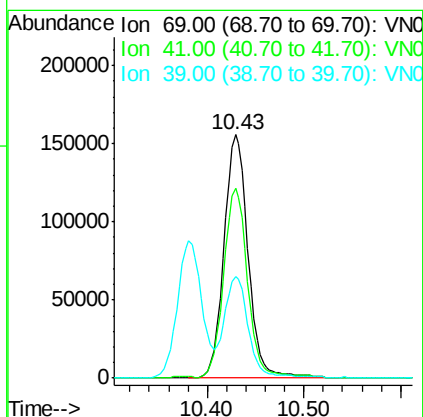
Manual Integrations  
 APPROVED

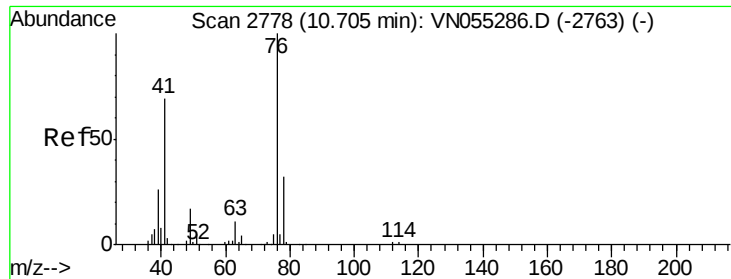
MMDadoda  
 5/1/2019 3:01:26 PM



#56  
 Ethyl methacrylate  
 Concen: 58.910 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 270190 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 77.4  | 62.7  | 94.1   |
| 39       | 41.8  | 32.0  | 48.0   |





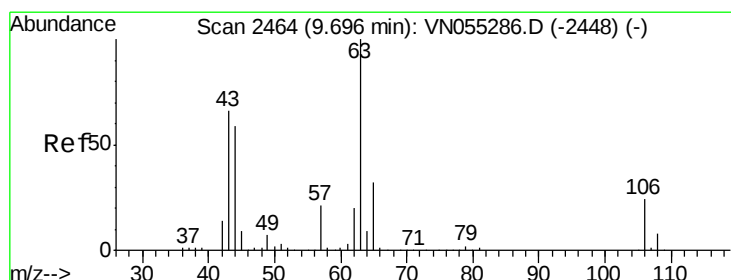
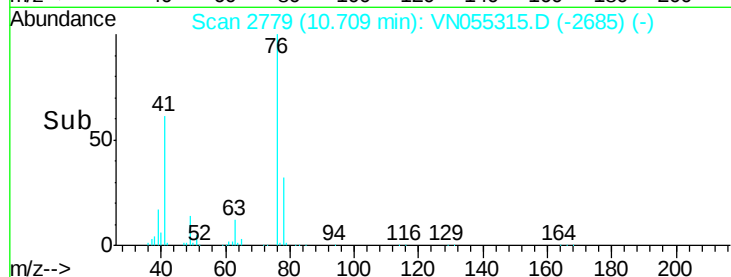
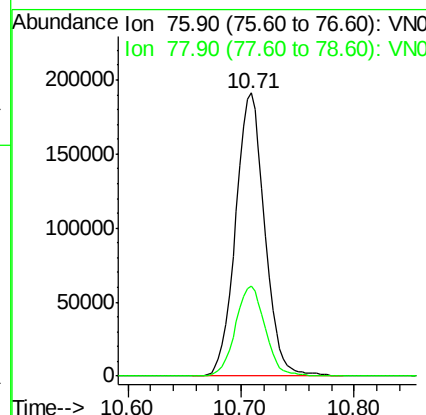
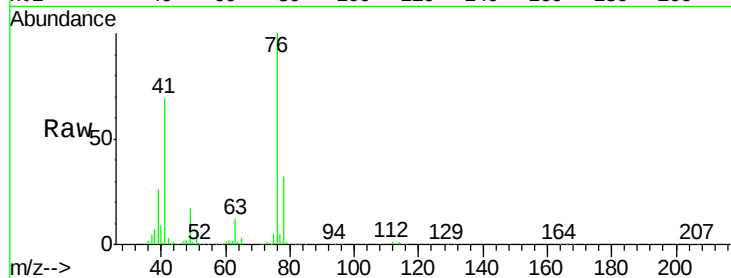
#57  
 1,3-Dichloropropane  
 Concen: 52.462 ug/l  
 RT: 10.71 min Scan# 2779  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 342942  
 Ion Ratio Lower Upper  
 76 100  
 78 32.6 25.6 38.4

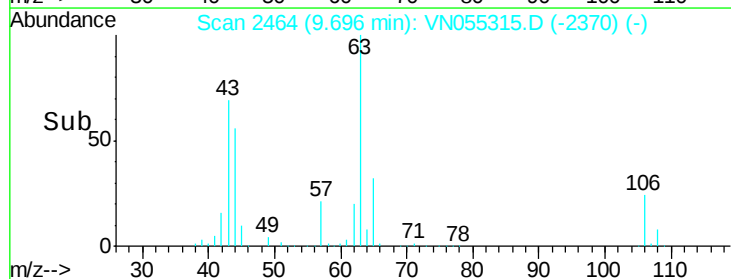
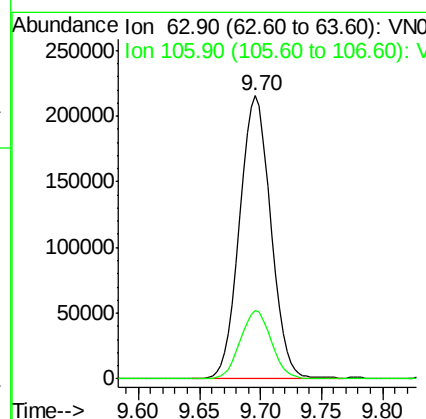
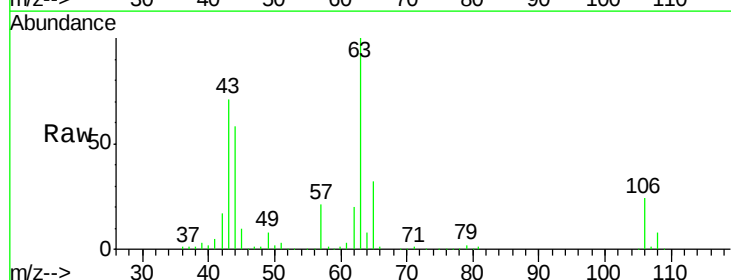
Manual Integrations  
 APPROVED

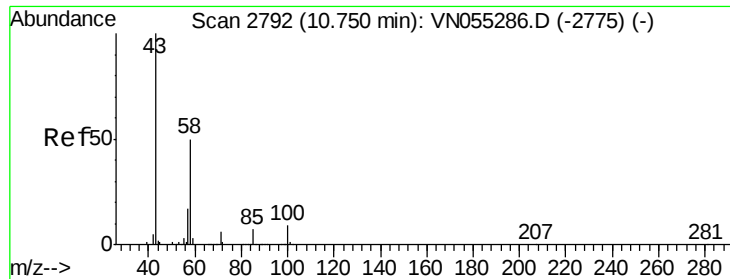
MMDadoda  
 5/1/2019 3:01:26 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 268.222 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

Tgt Ion: 63 Resp: 383146  
 Ion Ratio Lower Upper  
 63 100  
 106 24.0 19.0 28.4





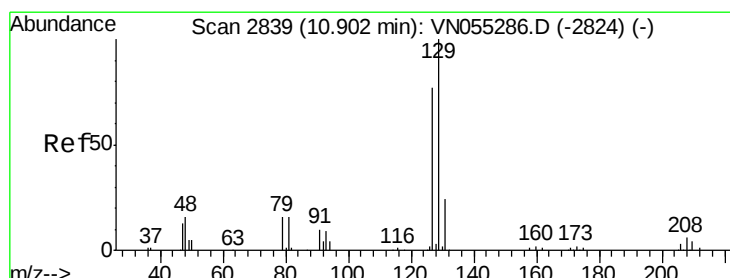
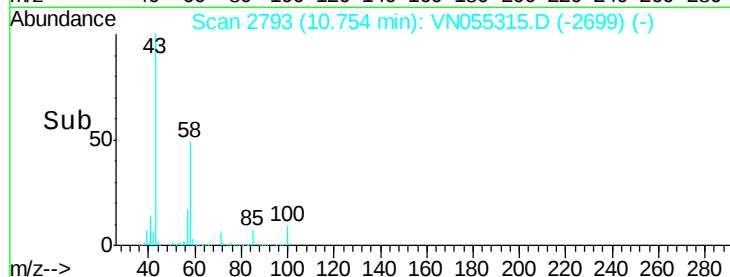
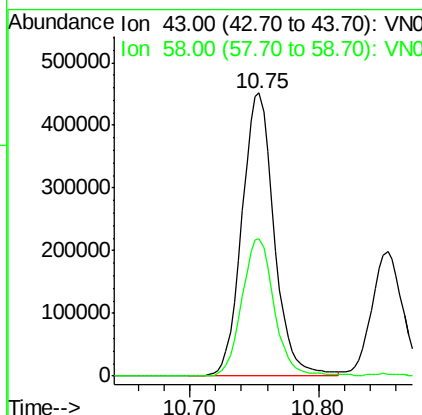
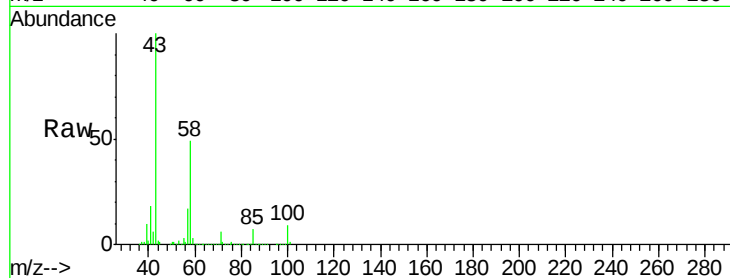
#59  
2-Hexanone  
Concen: 304.040 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 782627  
Ion Ratio Lower Upper  
43 100  
58 49.0 24.9 74.6

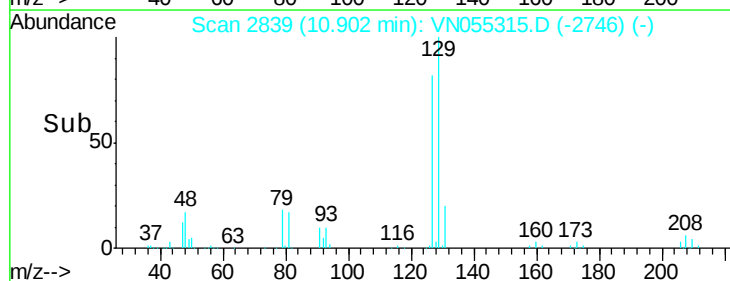
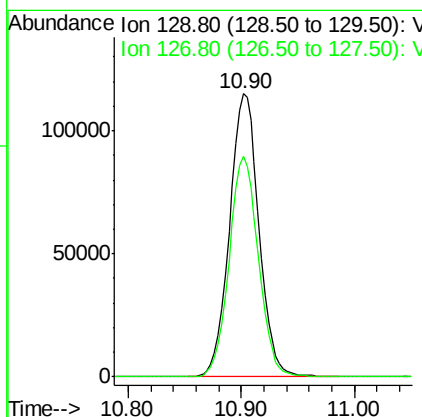
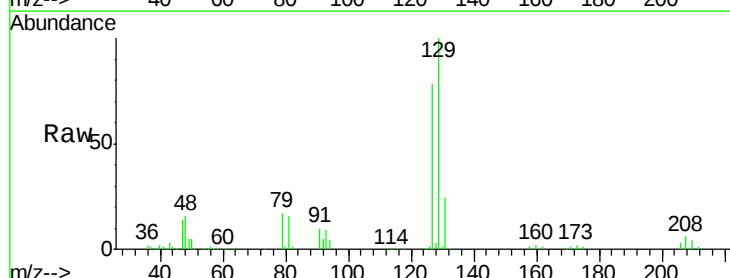
Manual Integrations  
APPROVED

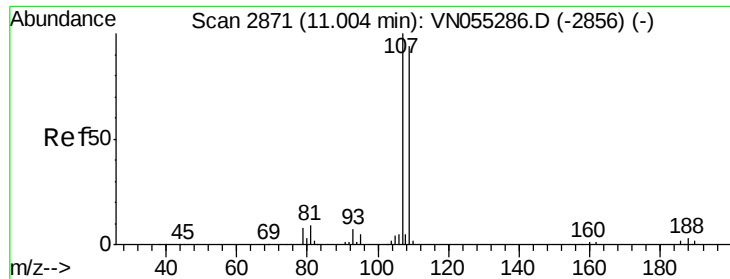
MMDadoda  
5/1/2019 3:01:26 PM



#60  
Dibromochloromethane  
Concen: 54.390 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Tgt Ion: 129 Resp: 207141  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.1 114.5





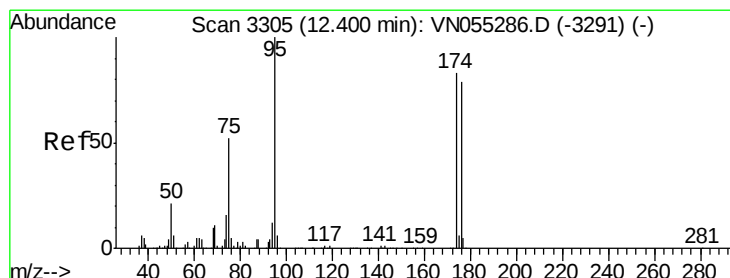
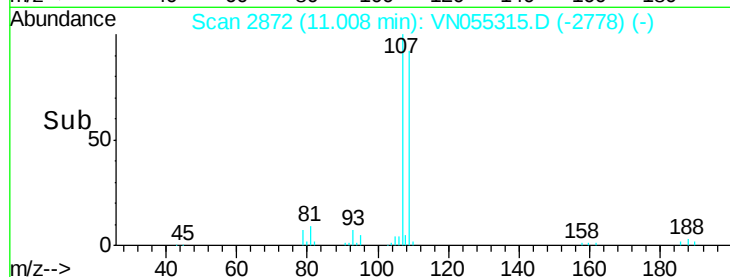
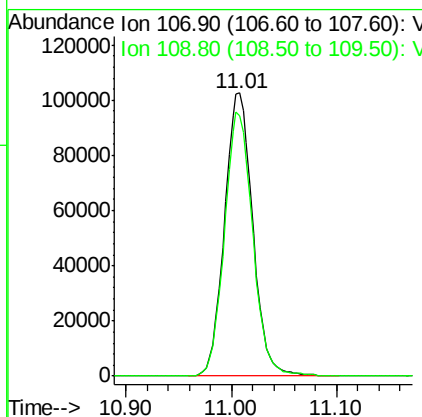
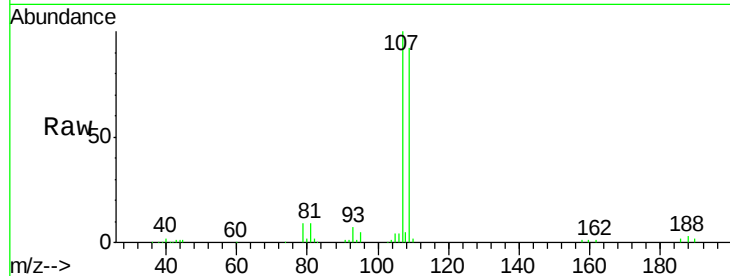
#61  
 1,2-Dibromoethane  
 Concen: 55.043 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.7  | 75.0  | 112.6 |

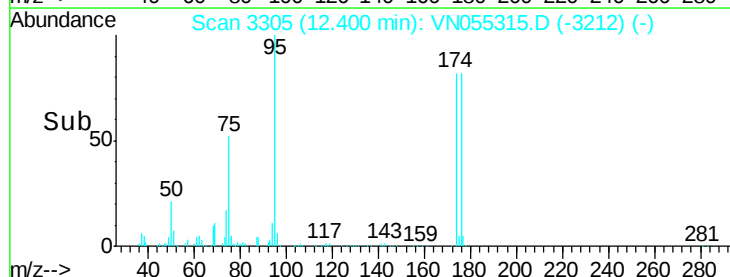
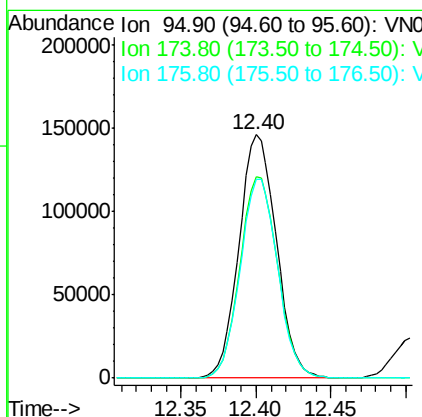
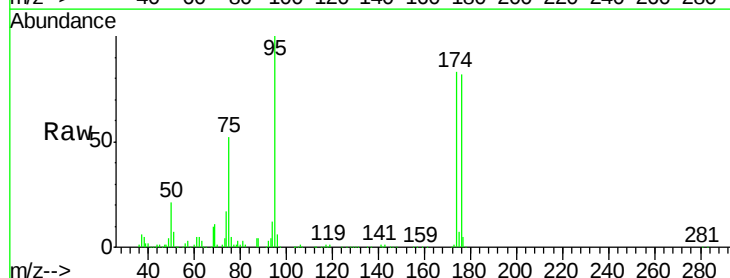
Manual Integrations  
 APPROVED

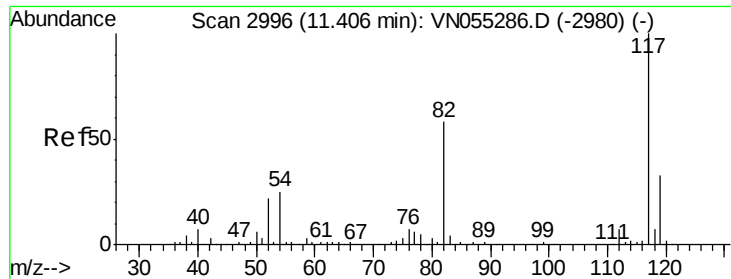
MMDadoda  
 5/1/2019 3:01:26 PM



#62  
 4-Bromofluorobenzene  
 Concen: 55.506 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 83.4  | 0.0   | 166.6 |
| 176     | 82.0  | 0.0   | 157.8 |





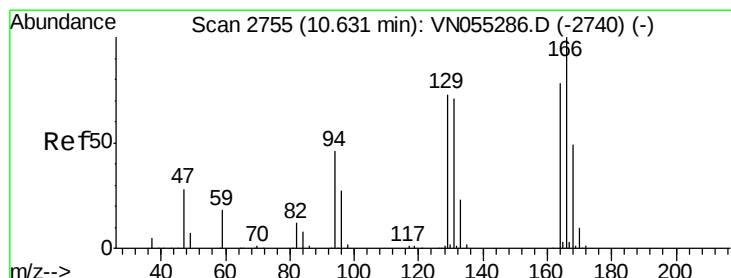
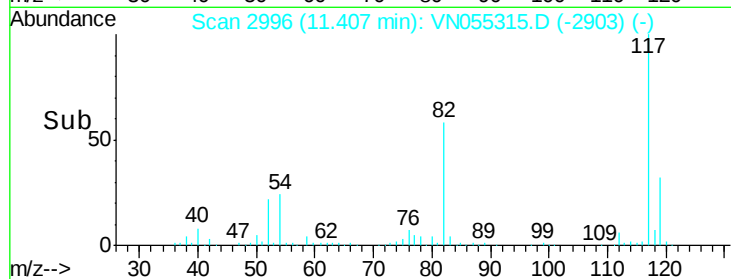
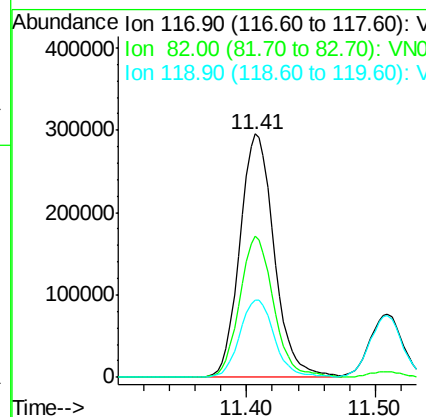
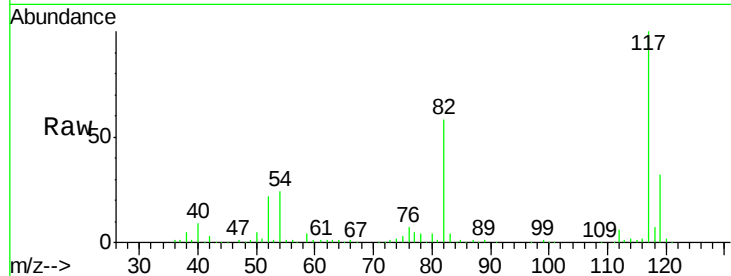
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.8  | 46.2  | 69.4  |
| 119     | 31.9  | 26.6  | 40.0  |

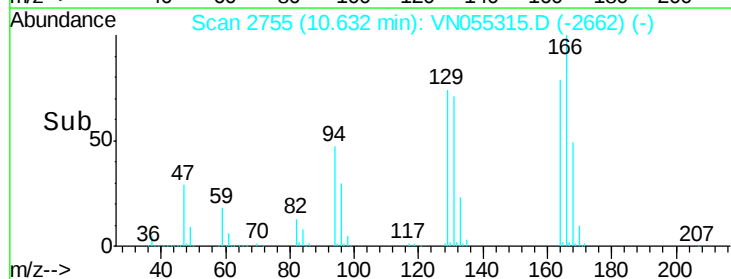
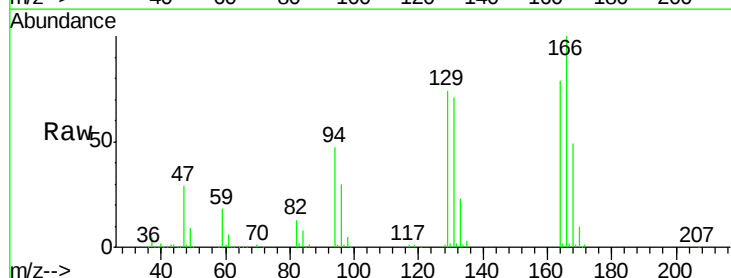
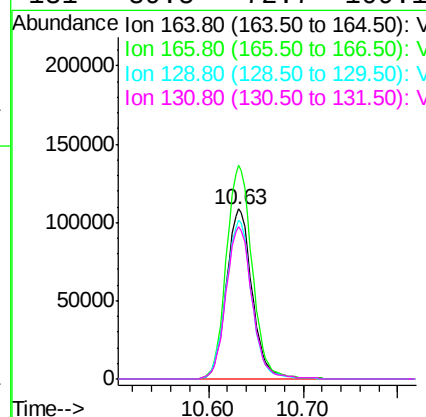
Manual Integrations  
APPROVED

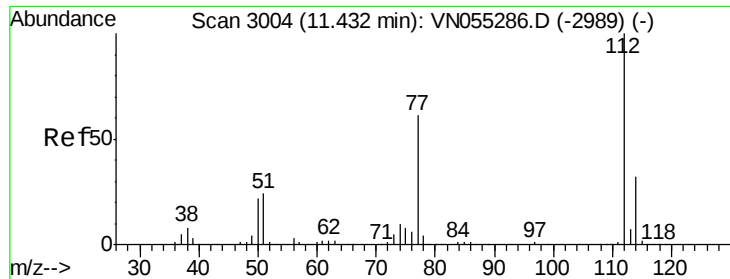
MMDadoda  
5/1/2019 3:01:26 PM



#64  
Tetrachloroethene  
Concen: 45.689 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.8 | 102.3 | 153.5 |
| 129     | 93.5  | 75.0  | 112.6 |
| 131     | 89.5  | 72.7  | 109.1 |





#65

Chlorobenzene

Concen: 48.096 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 515974

Ion Ratio Lower Upper

112 100

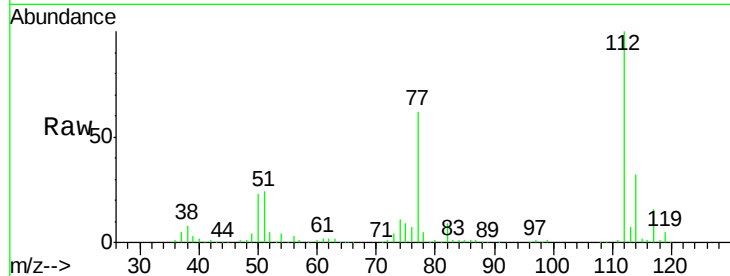
114 32.4 25.3 37.9

Manual Integrations

APPROVED

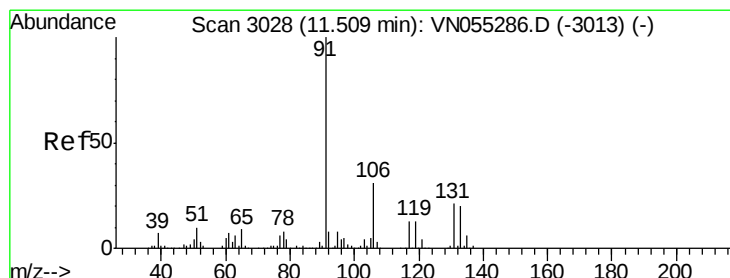
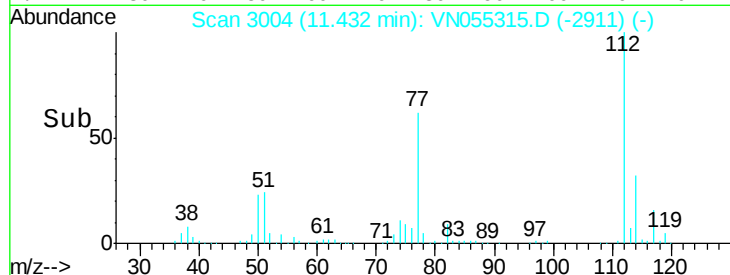
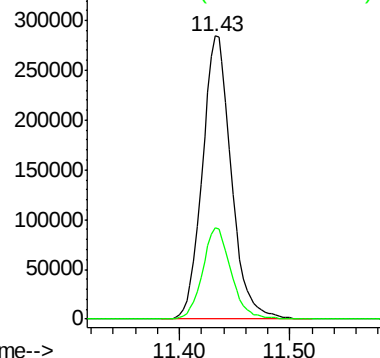
MMDadoda

5/1/2019 3:01:26 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.296 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

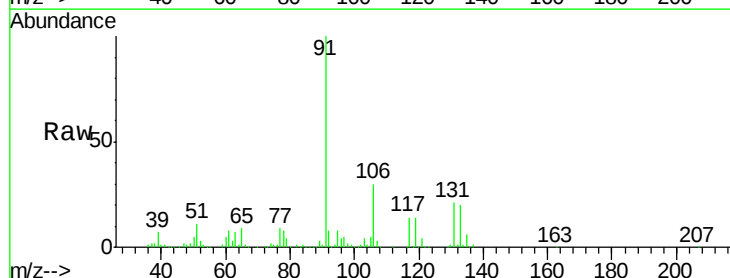
Tgt Ion:131 Resp: 198678

Ion Ratio Lower Upper

131 100

133 97.2 47.5 142.6

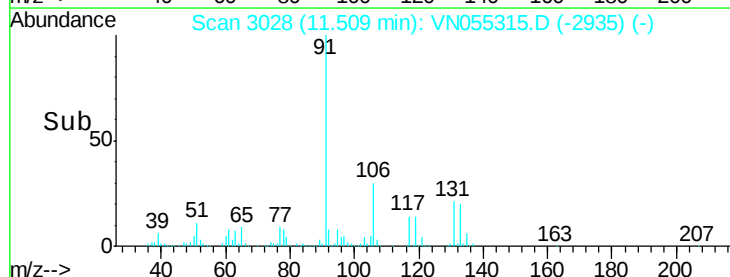
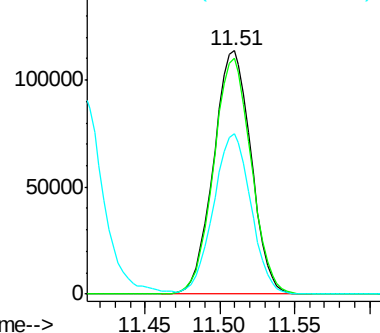
119 65.9 32.7 98.1

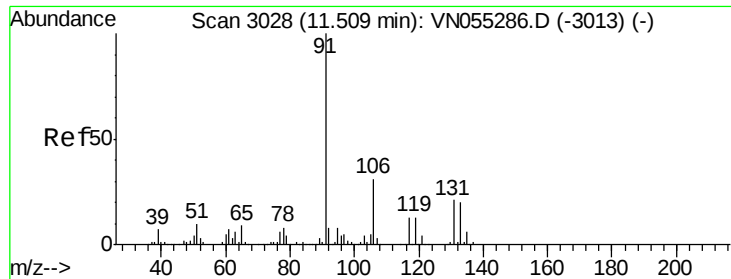


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





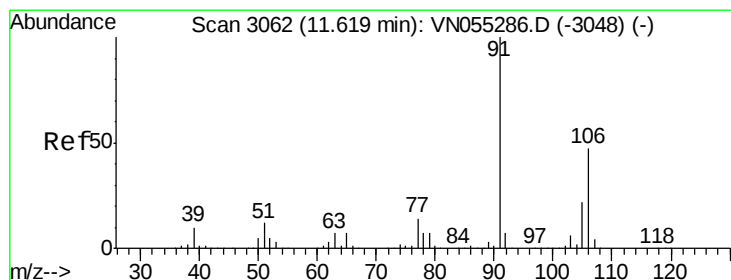
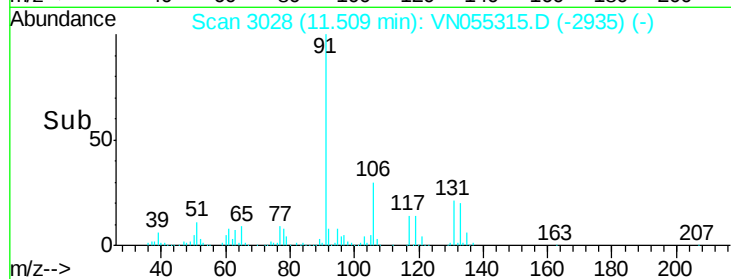
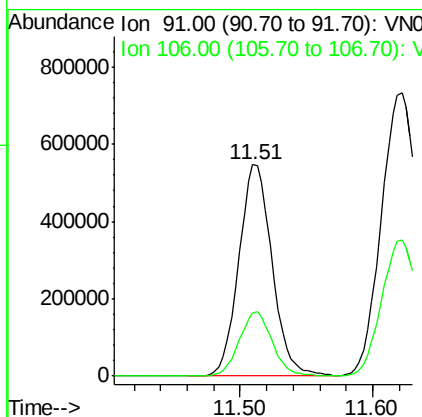
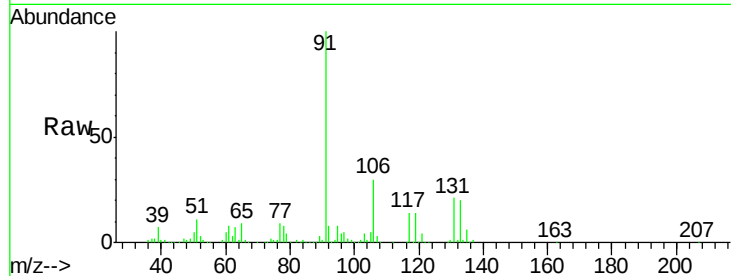
#67  
Ethyl Benzene  
Concen: 49.258 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 91 Resp: 954238  
Ion Ratio Lower Upper  
91 100  
106 30.0 24.6 36.8

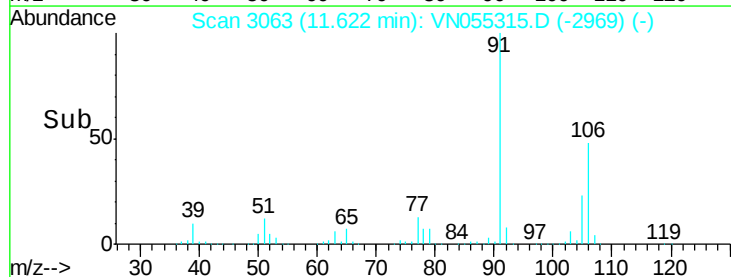
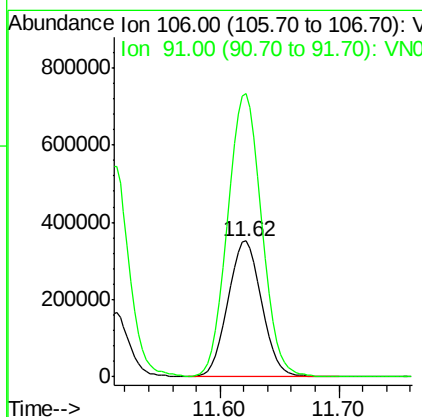
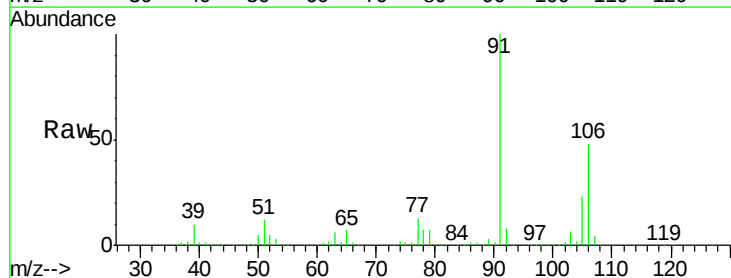
Manual Integrations  
APPROVED

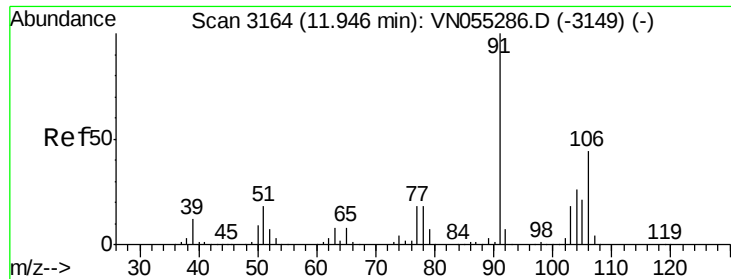
MMDadoda  
5/1/2019 3:01:26 PM



#68  
m/p-Xylenes  
Concen: 100.296 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Tgt Ion: 106 Resp: 693533  
Ion Ratio Lower Upper  
106 100  
91 210.0 169.5 254.3





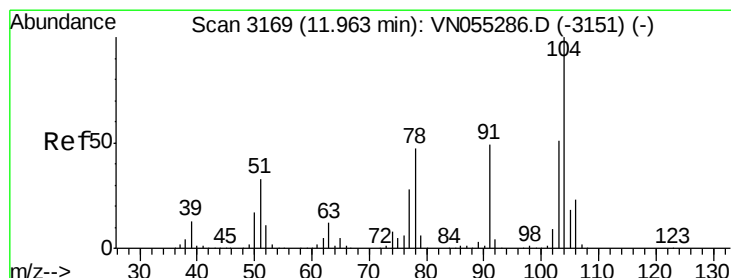
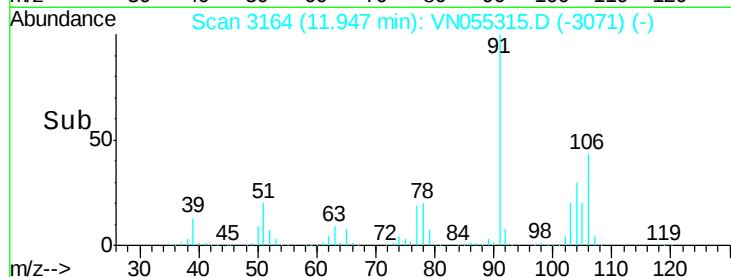
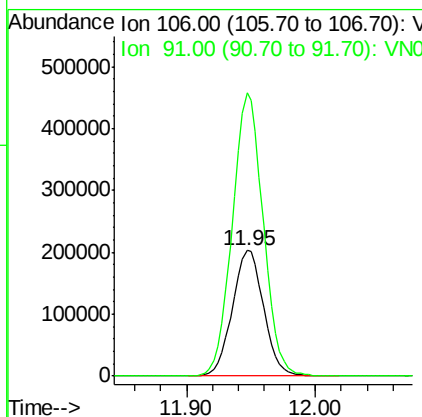
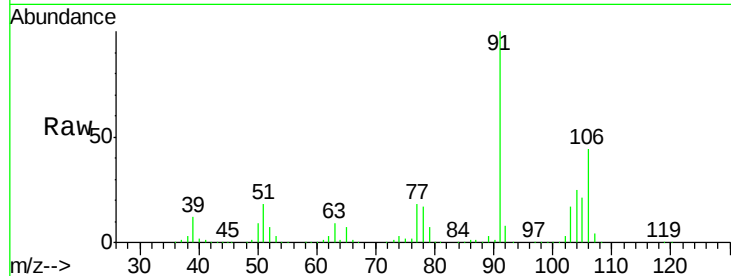
#69  
o-Xylene  
Concen: 50.066 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 343139  
Ion Ratio Lower Upper  
106 100  
91 221.4 111.5 334.5

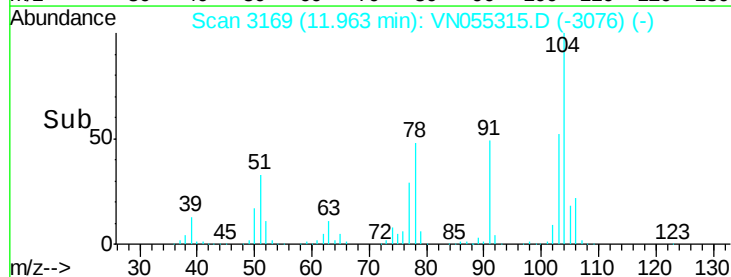
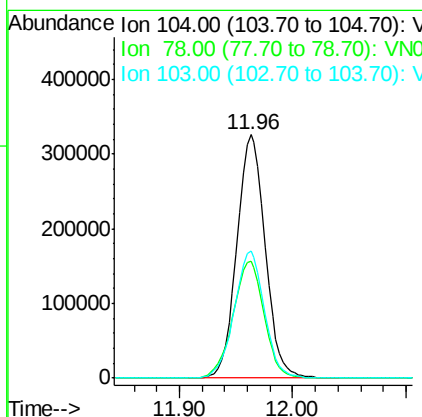
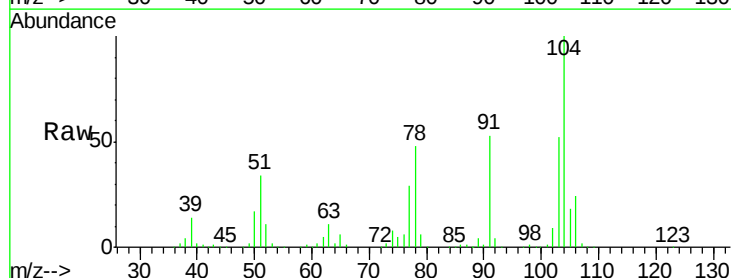
Manual Integrations  
APPROVED

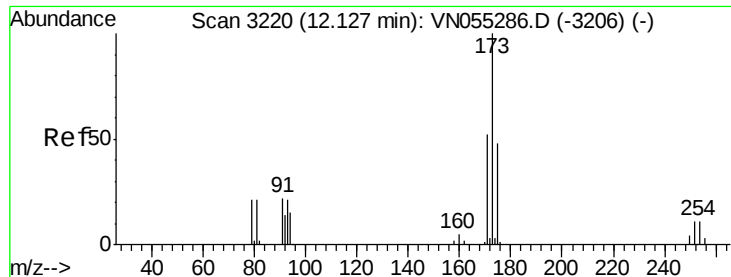
MMDadoda  
5/1/2019 3:01:26 PM



#70  
Styrene  
Concen: 54.086 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Tgt Ion:104 Resp: 569167  
Ion Ratio Lower Upper  
104 100  
78 52.7 42.2 63.2  
103 55.4 44.6 67.0





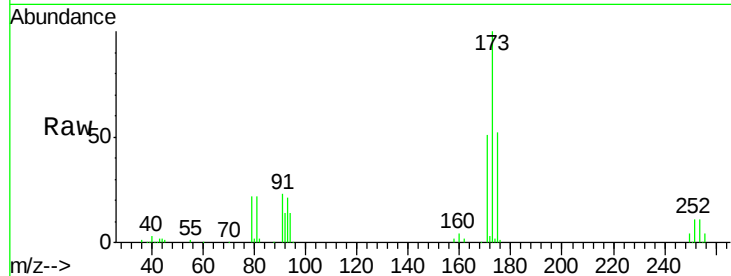
#71  
Bromoform  
Concen: 55.666 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.1  | 23.6  | 71.0  |
| 254     | 0.1   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

MMDadoda  
5/1/2019 3:01:26 PM

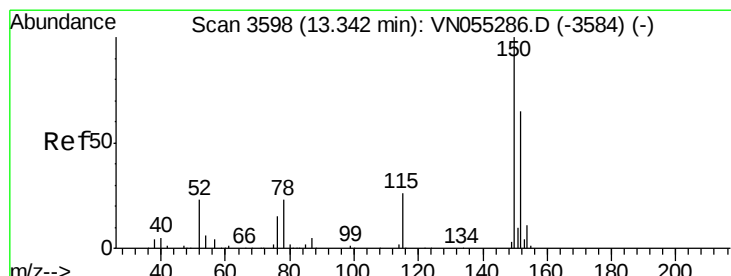
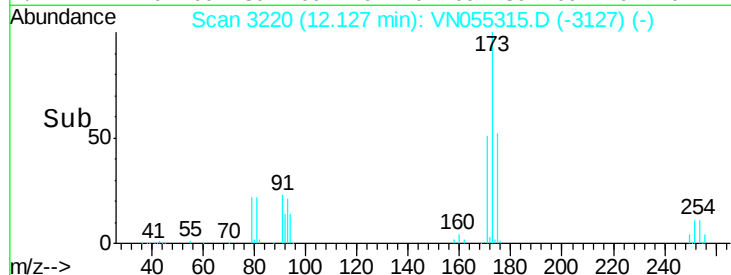
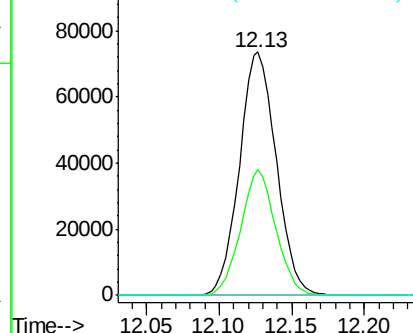


Abundance

Ion 172.70 (172.40 to 173.40): V

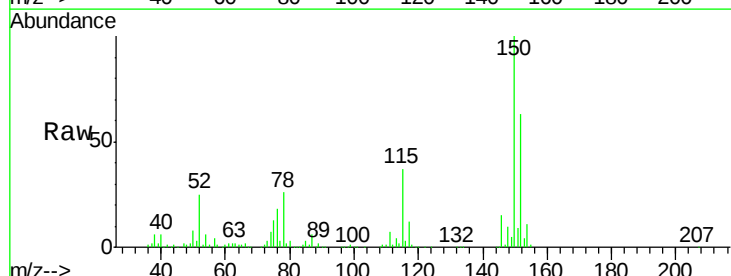
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.9  | 29.0  | 87.0  |
| 150     | 171.3 | 0.0   | 345.6 |

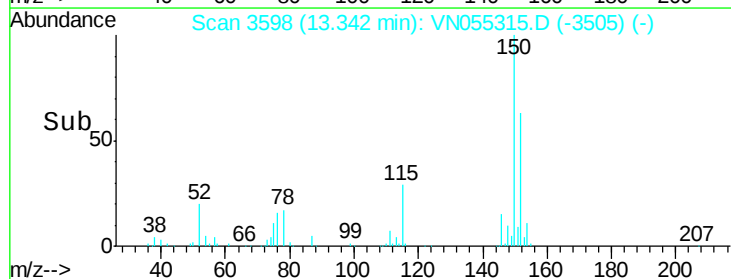
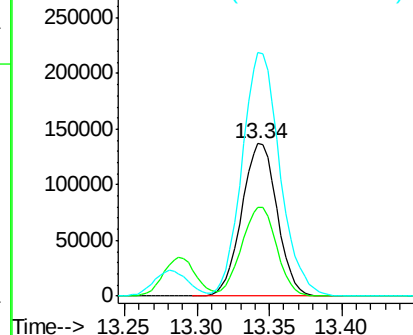


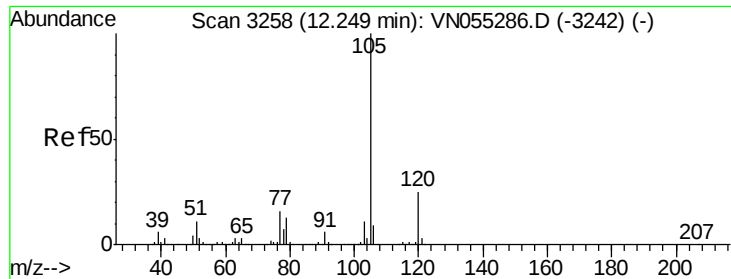
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





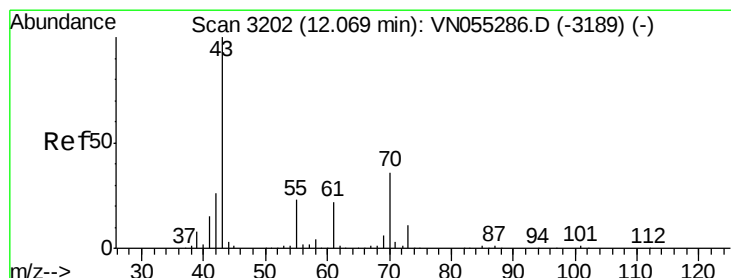
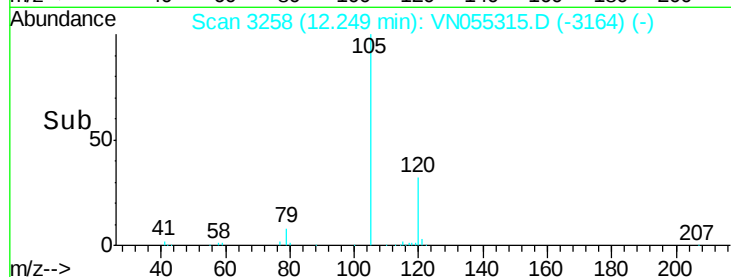
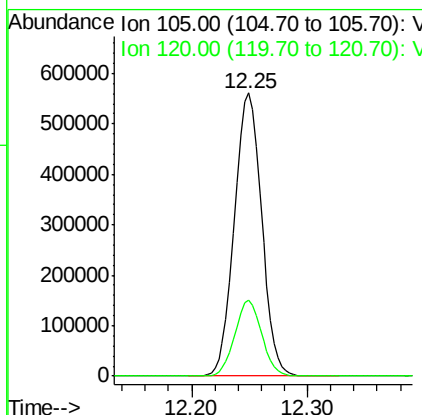
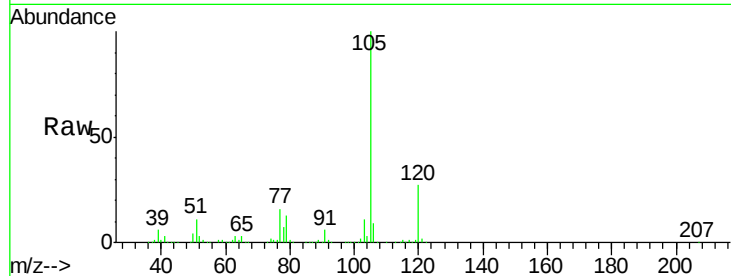
#73  
Isopropylbenzene  
Concen: 49.277 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.4  | 12.9  | 38.7  |

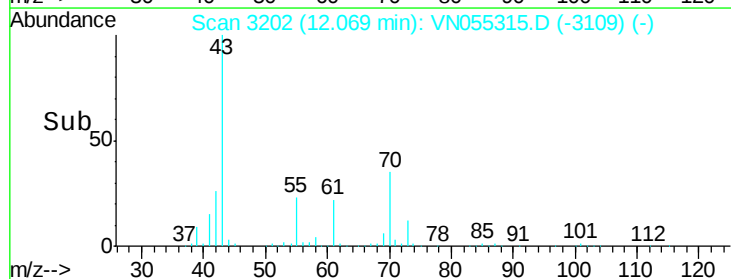
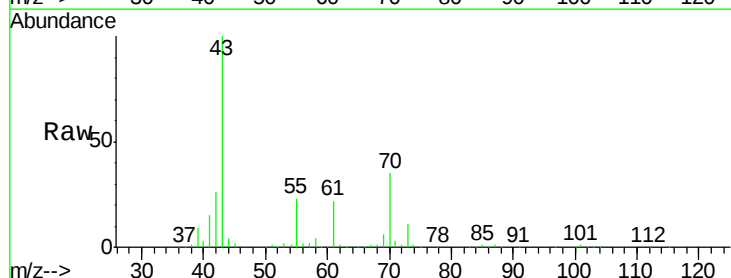
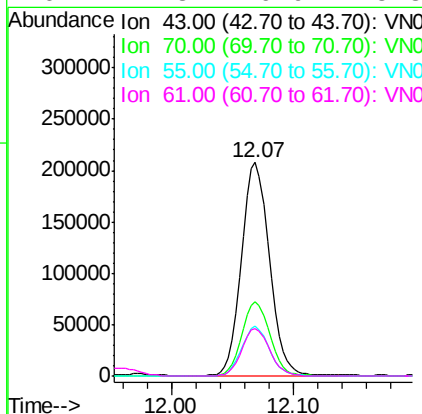
Manual Integrations  
APPROVED

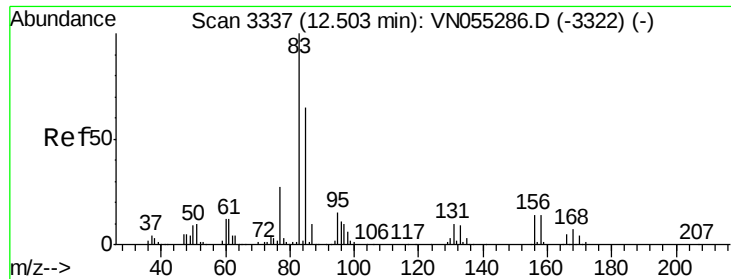
MMDadoda  
5/1/2019 3:01:26 PM



#74  
N-ethyl acetate  
Concen: 55.007 ug/l  
RT: 12.07 min Scan# 3202  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 35.0  | 27.9  | 41.9  |
| 55      | 23.0  | 18.2  | 27.2  |
| 61      | 22.3  | 16.9  | 25.3  |





#75

1,1,2,2-Tetrachloroethane

Concen: 54.846 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

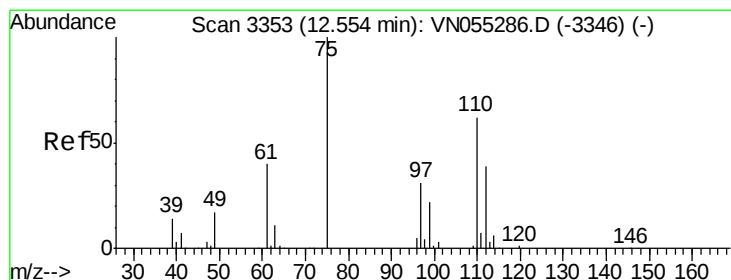
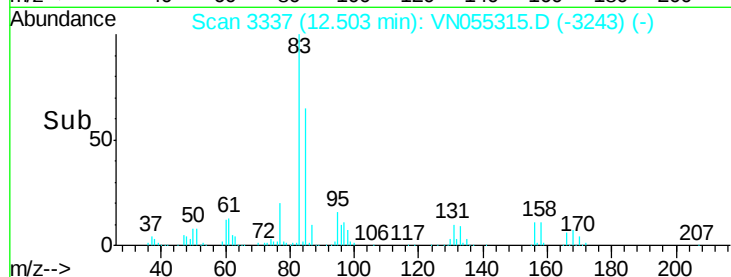
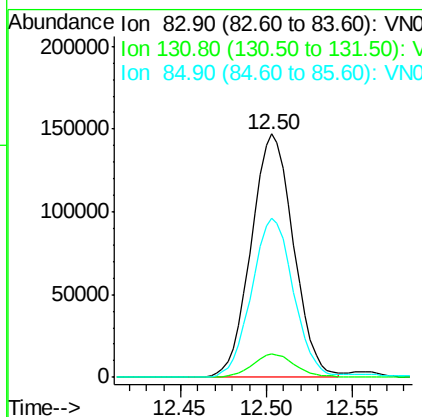
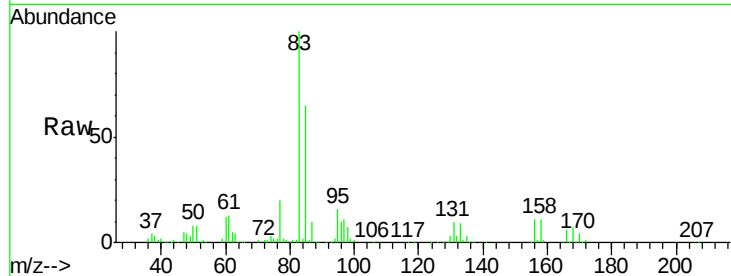
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 250764 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.7   | 5.1   | 15.2   |
| 85        | 64.7  | 32.3  | 96.8   |

Manual Integrations  
APPROVED

MMDadoda  
5/1/2019 3:01:26 PM



#76

1,2,3-Trichloropropane

Concen: 51.778 ug/l m

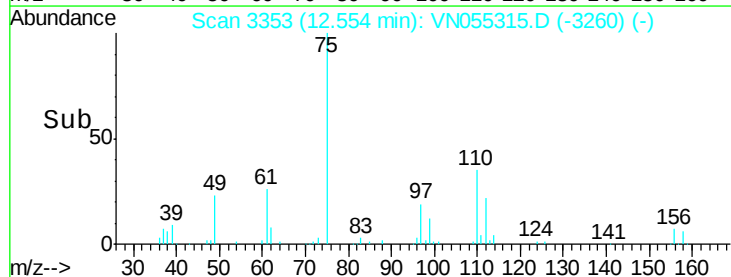
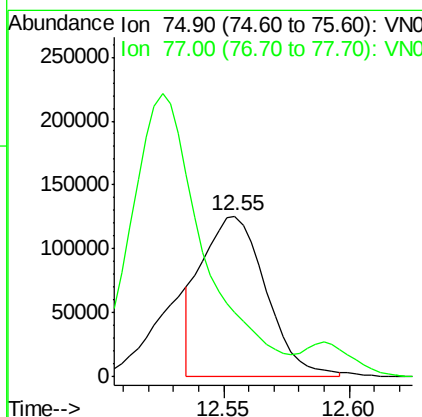
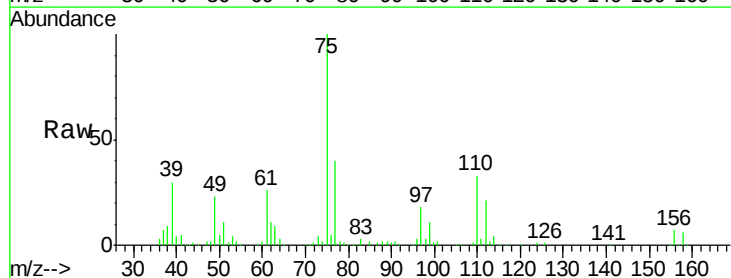
RT: 12.55 min Scan# 3353

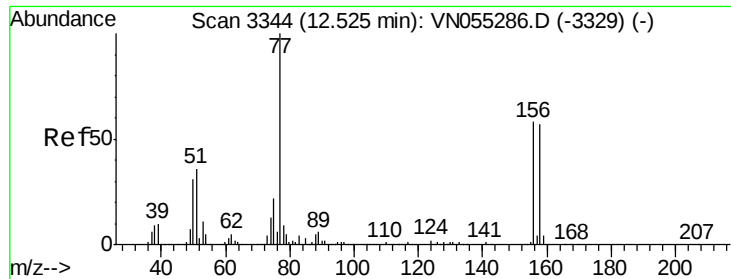
Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 222957 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 50.232 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

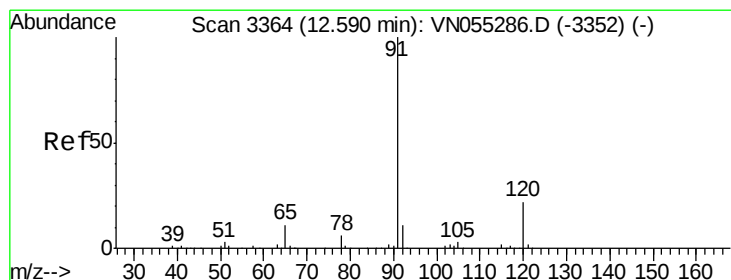
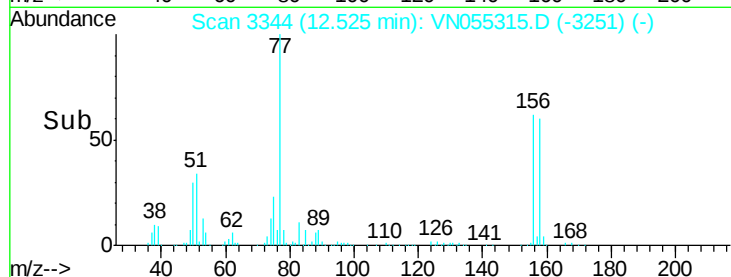
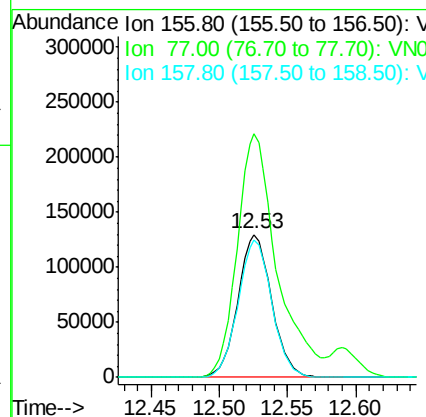
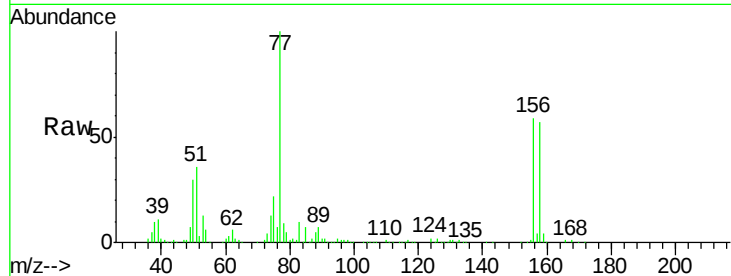
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 222329 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 201.2 | 99.6  | 298.8  |
| 158       | 96.3  | 49.3  | 147.8  |

Manual Integrations  
APPROVED

MMDadoda  
5/1/2019 3:01:26 PM



#78

n-propylbenzene

Concen: 42.822 ug/l

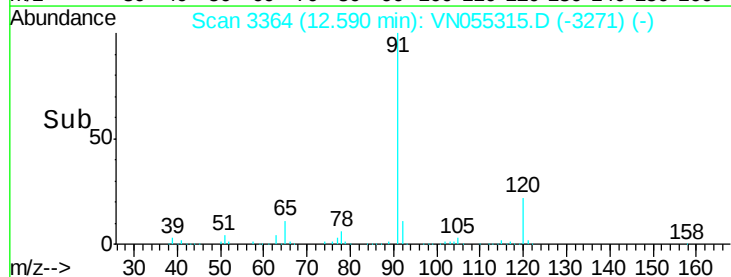
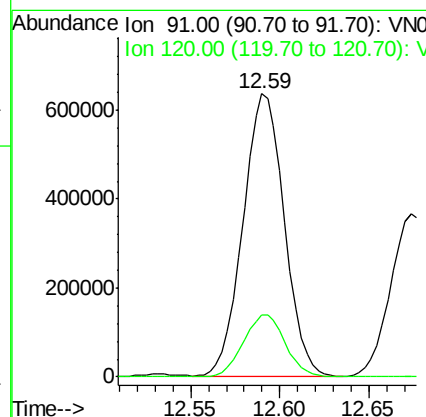
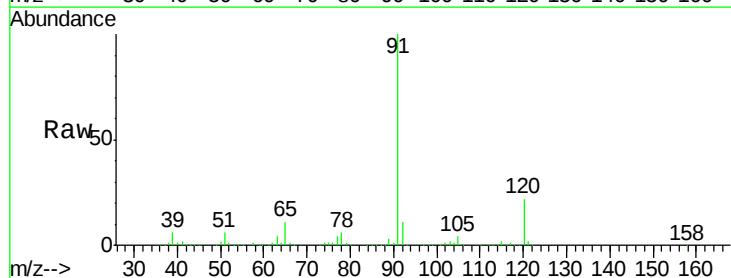
RT: 12.59 min Scan# 3364

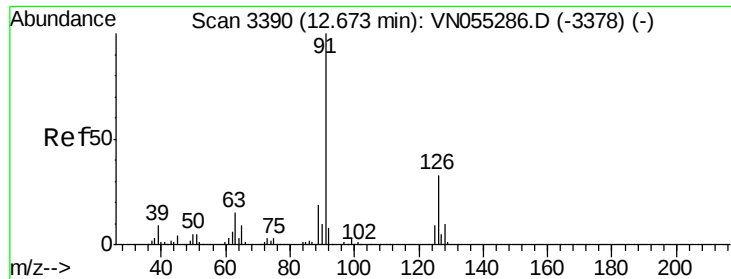
Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1020786 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 22.2  | 11.0  | 33.0    |





#79

2-Chlorotoluene

Concen: 49.363 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 621255

Ion Ratio Lower Upper

91 100

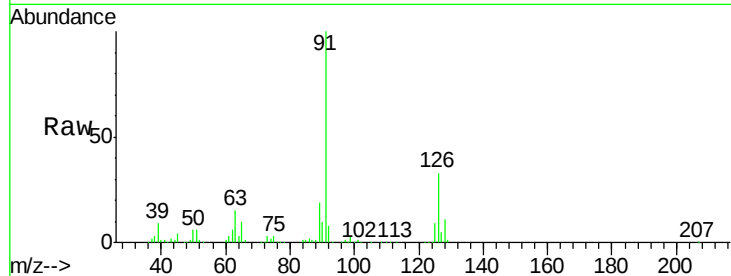
126 33.6 16.6 49.7

Manual Integrations

APPROVED

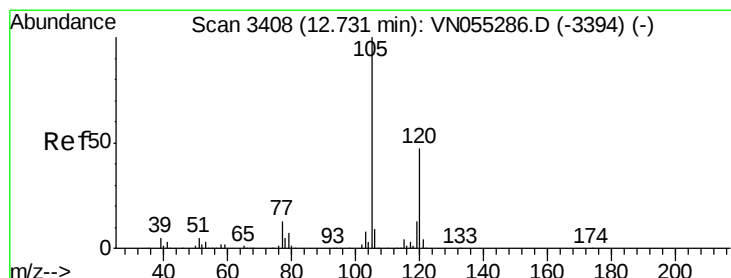
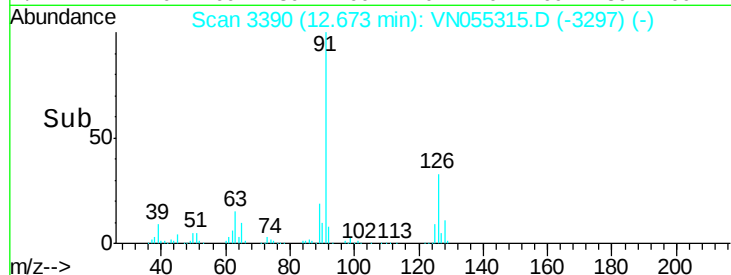
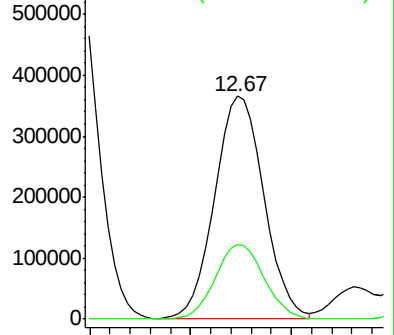
MMDadoda

5/1/2019 3:01:26 PM



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055286.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 42.610 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055315.D

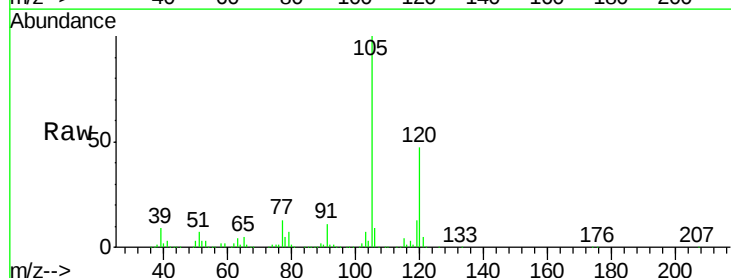
Acq: 30 Apr 2019 18:09

Tgt Ion: 105 Resp: 775205

Ion Ratio Lower Upper

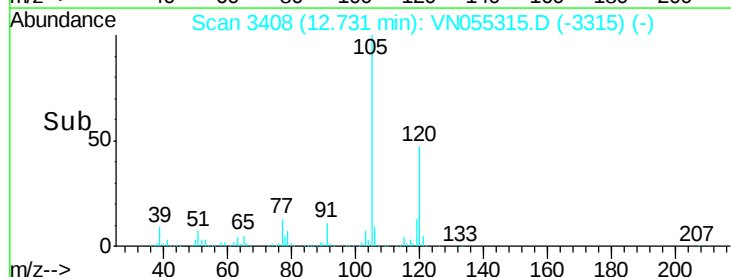
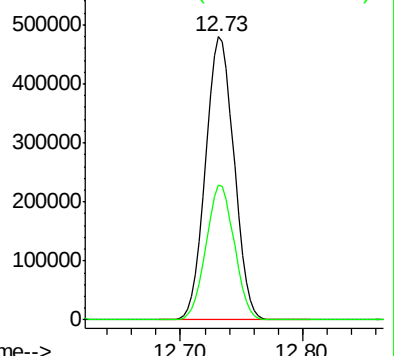
105 100

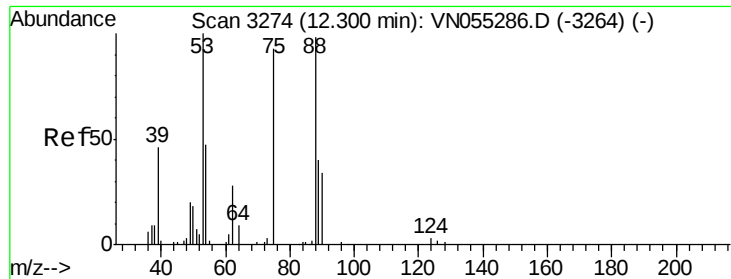
120 47.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN055286.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.402 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 60496

Ion Ratio Lower Upper

75 100

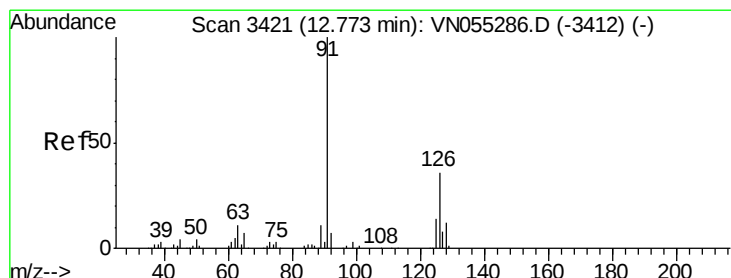
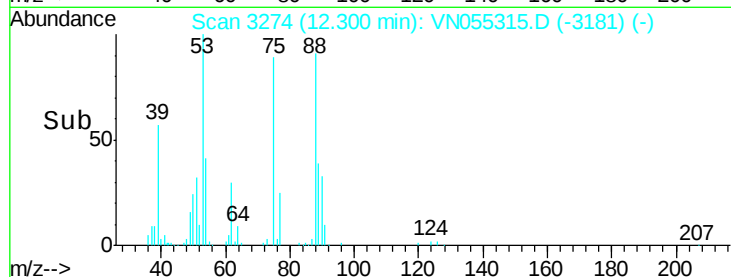
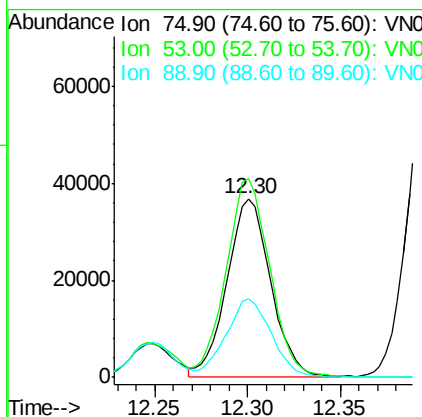
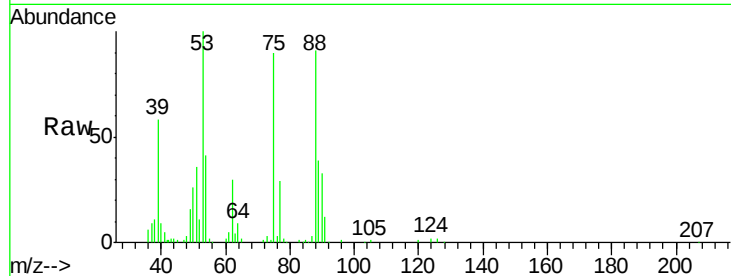
53 111.5 86.3 129.5

89 45.5 34.6 51.8

Manual Integrations  
APPROVED

MMDadoda

5/1/2019 3:01:26 PM



#82

4-Chlorotoluene

Concen: 43.866 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055315.D

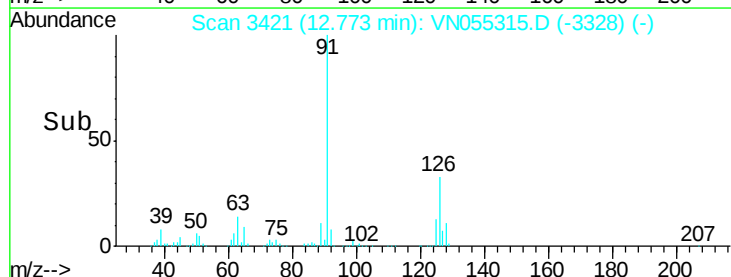
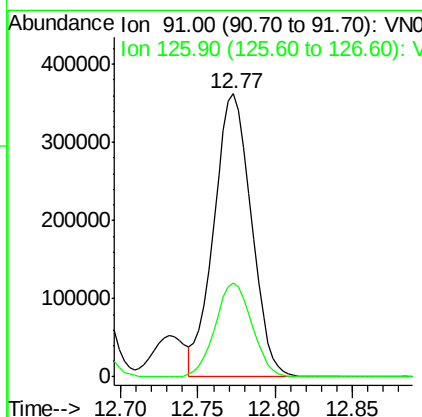
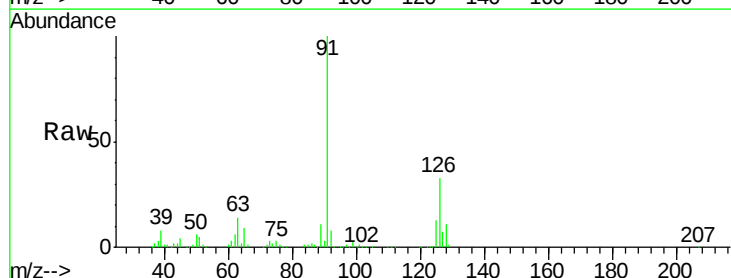
Acq: 30 Apr 2019 18:09

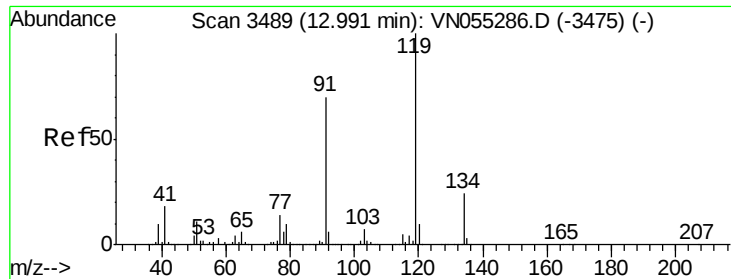
Tgt Ion: 91 Resp: 607989

Ion Ratio Lower Upper

91 100

126 32.7 16.6 49.7





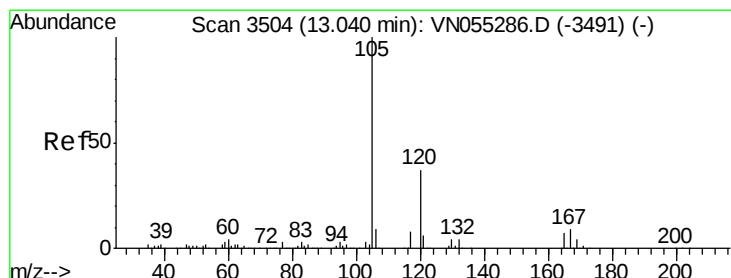
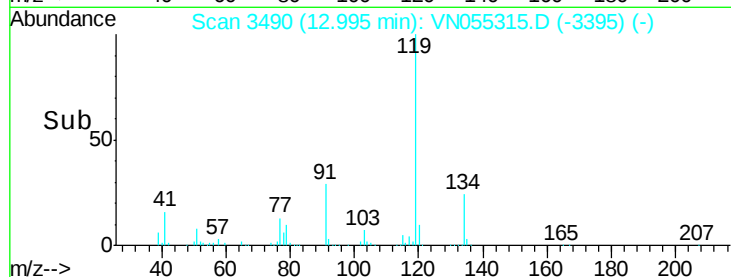
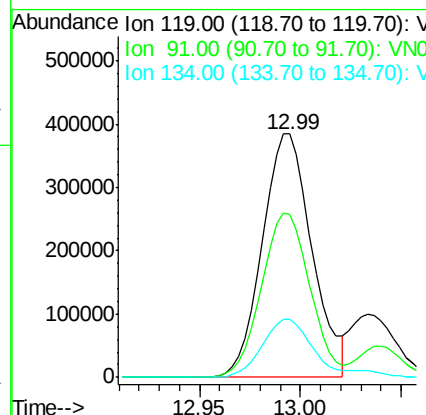
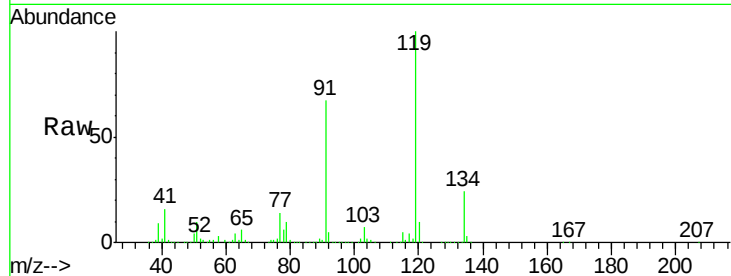
#83  
tert-Butylbenzene  
Concen: 51.233 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 65.8  | 34.3  | 102.9 |
| 134     | 23.8  | 13.1  | 39.3  |

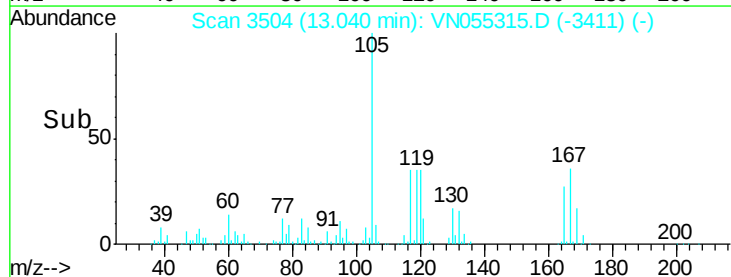
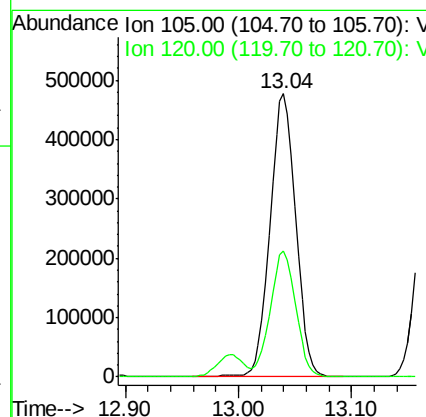
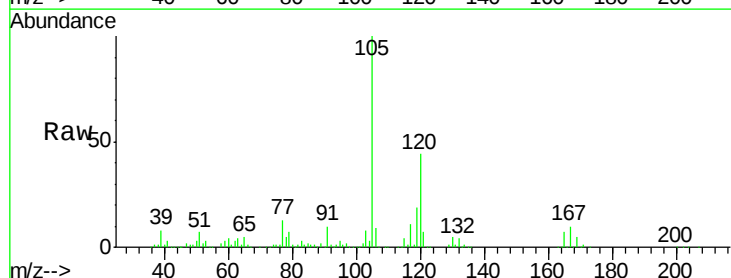
Manual Integrations  
APPROVED

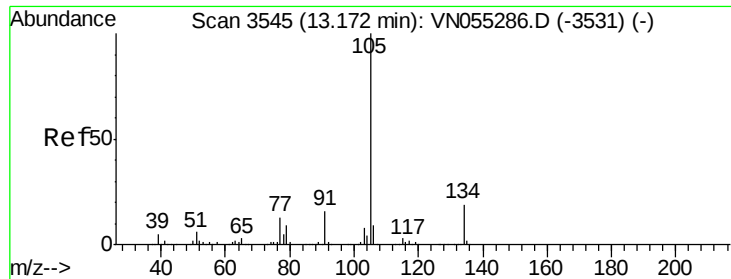
MMDadoda  
5/1/2019 3:01:26 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 46.247 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN055315.D  
Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.9  | 22.1  | 66.5  |





#85

sec-Butylbenzene

Concen: 42.368 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 837792

Ion Ratio Lower Upper

105 100

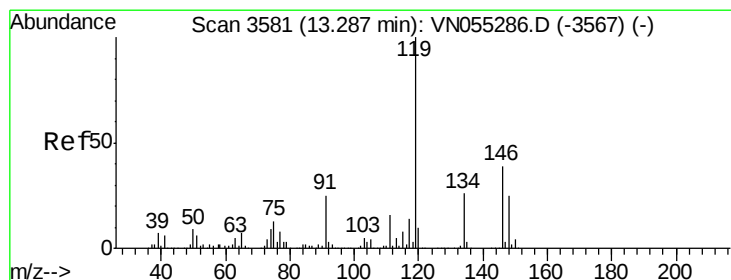
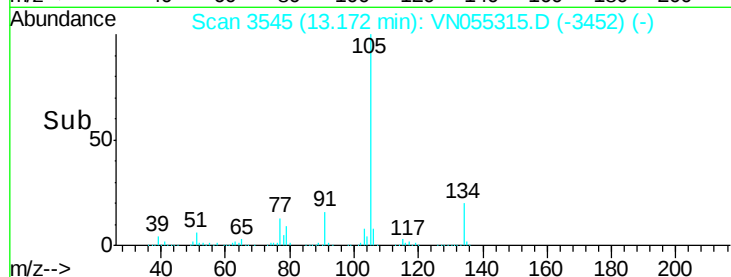
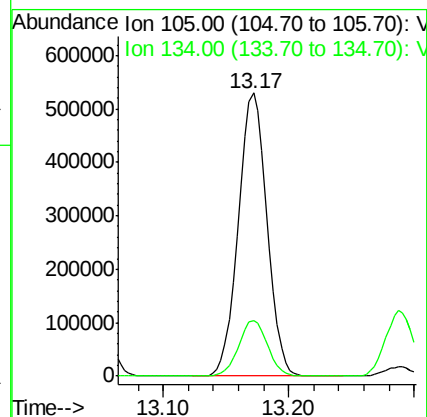
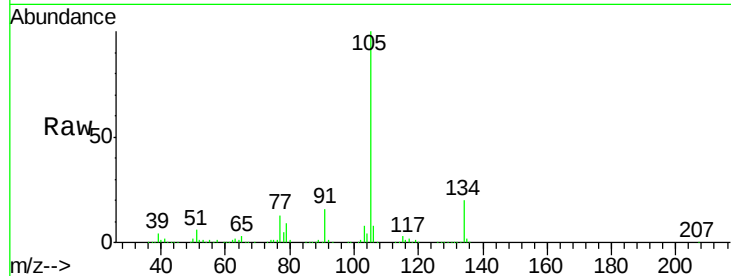
134 19.9 9.6 28.8

Manual Integrations

APPROVED

MMDadoda

5/1/2019 3:01:26 PM



#86

p-Isopropyltoluene

Concen: 45.254 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

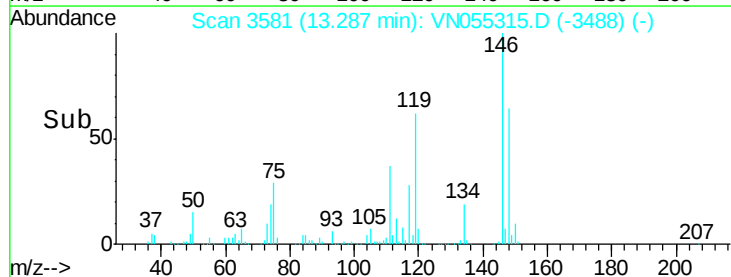
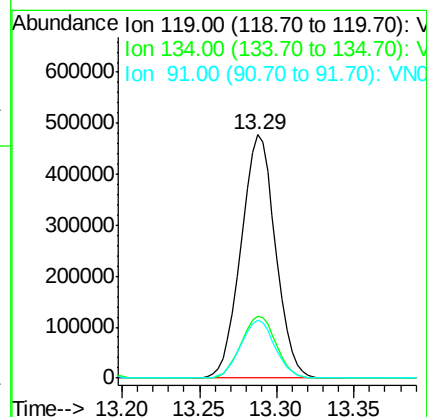
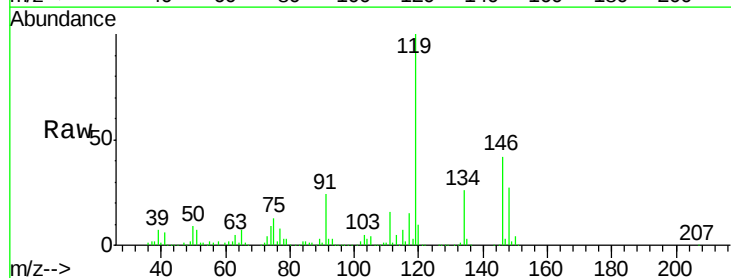
Tgt Ion:119 Resp: 735496

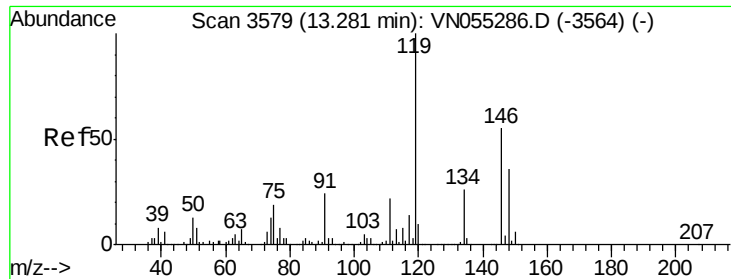
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 23.9 12.2 36.6





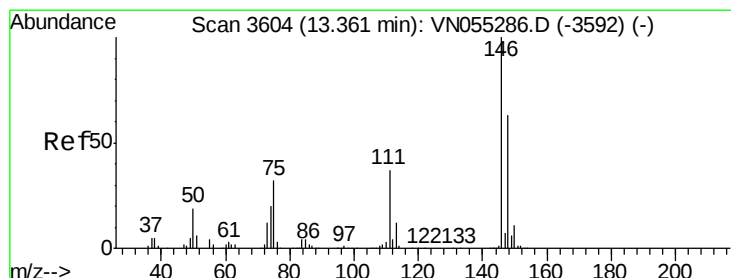
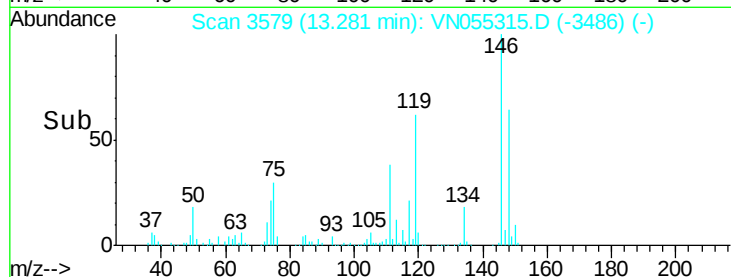
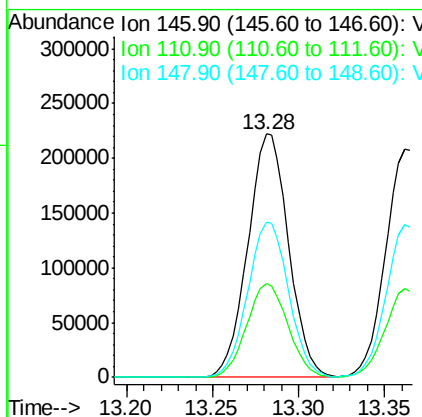
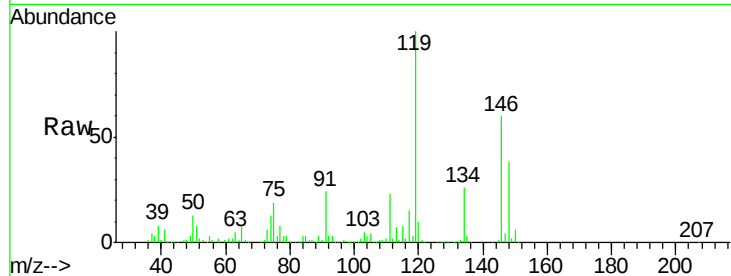
#87  
 1,3-Dichlorobenzene  
 Concen: 46.957 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 20.3  | 60.8  |
| 148     | 63.9  | 32.5  | 97.5  |

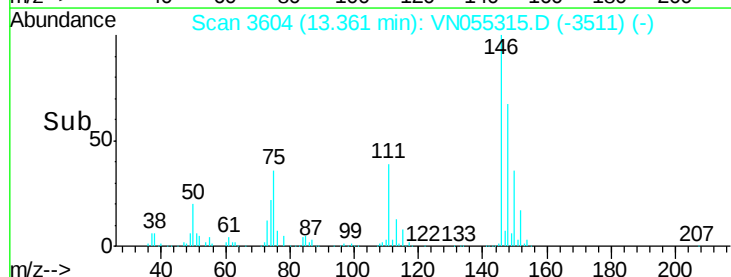
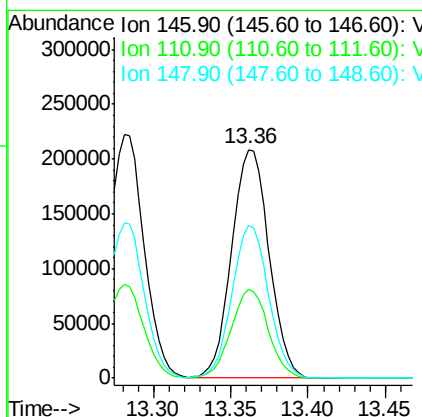
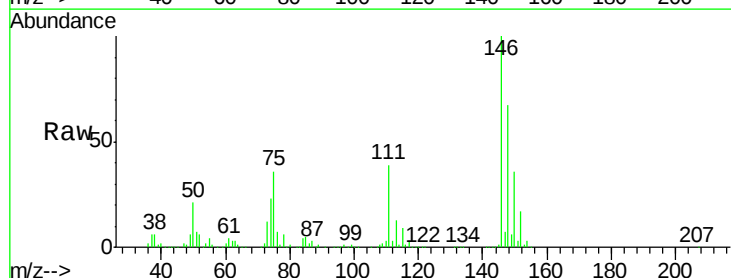
Manual Integrations  
 APPROVED

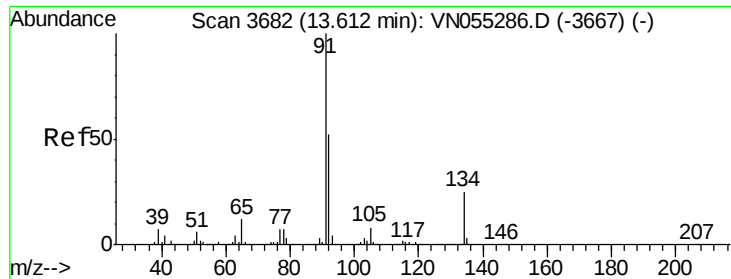
MMDadoda  
 5/1/2019 3:01:26 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 47.775 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 19.5  | 58.5  |
| 148     | 65.7  | 32.5  | 97.4  |





#89

n-Butylbenzene

Concen: 49.716 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

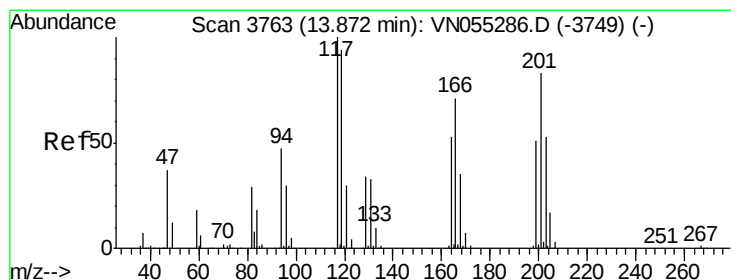
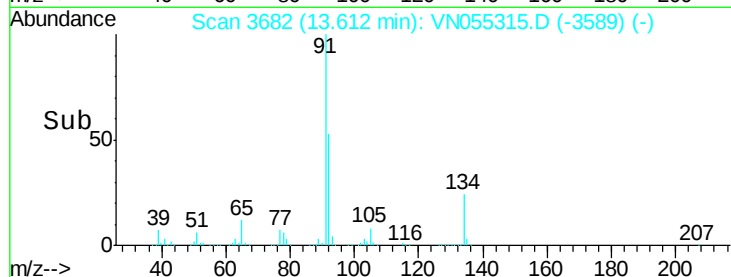
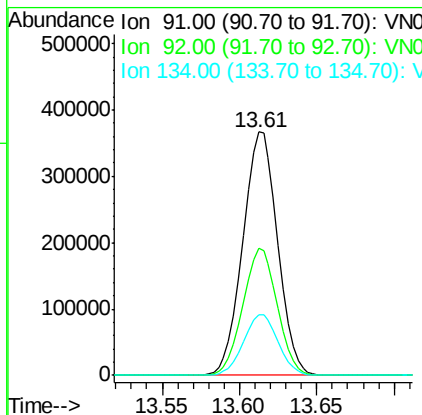
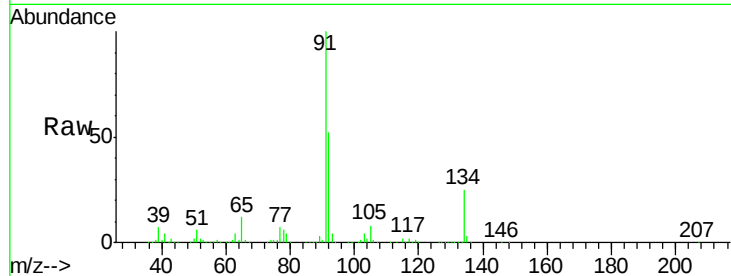
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 91    | Resp: | 574165 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 51.6  | 26.1  | 78.3   |
| 134      | 24.9  | 12.4  | 37.4   |

Manual Integrations  
APPROVED

MMDadoda  
5/1/2019 3:01:26 PM



#90

Hexachloroethane

Concen: 47.560 ug/l

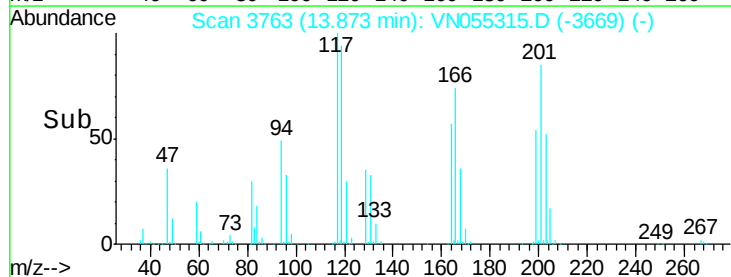
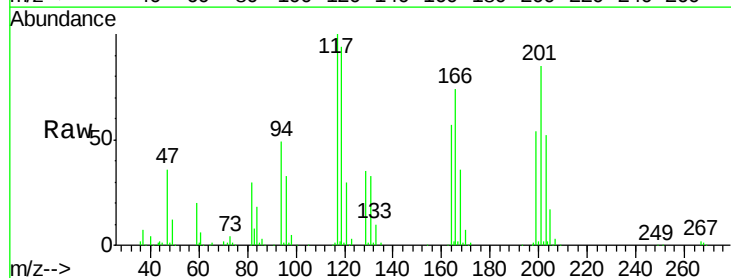
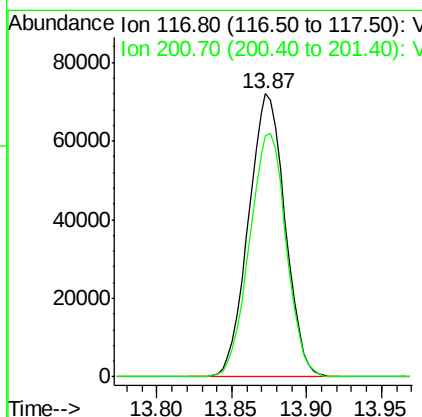
RT: 13.87 min Scan# 3763

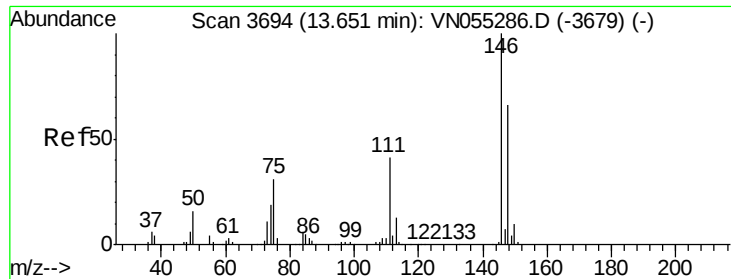
Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 122590 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 201      | 86.3  | 41.9  | 125.8  |





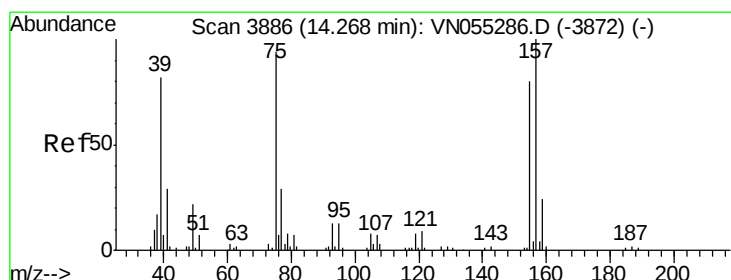
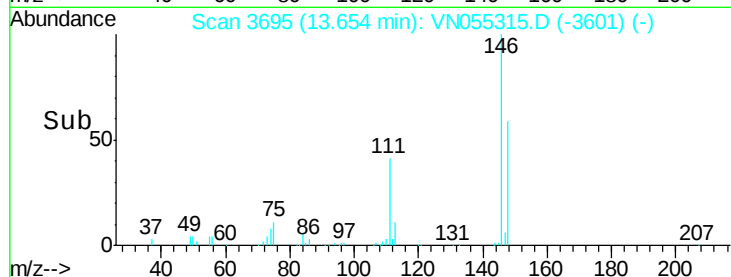
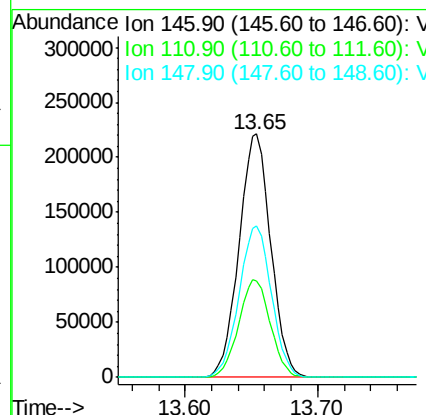
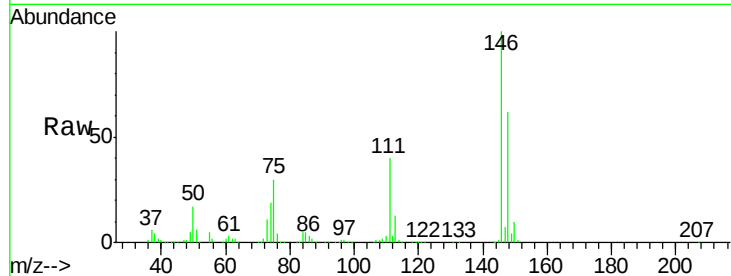
#91  
 1,2-Dichlorobenzene  
 Concen: 47.733 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.1  | 20.3  | 61.0  |
| 148     | 63.4  | 32.4  | 97.2  |

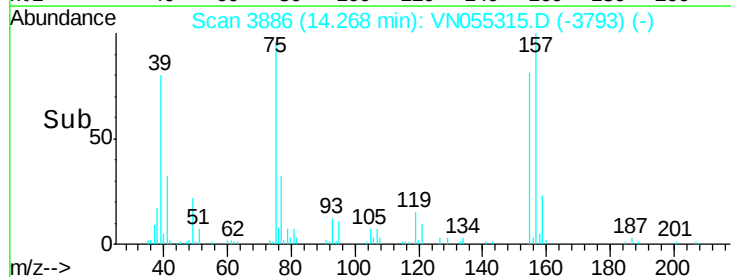
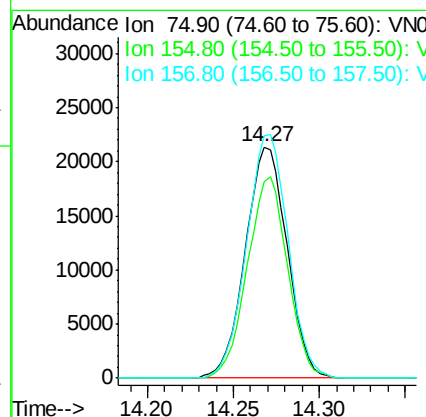
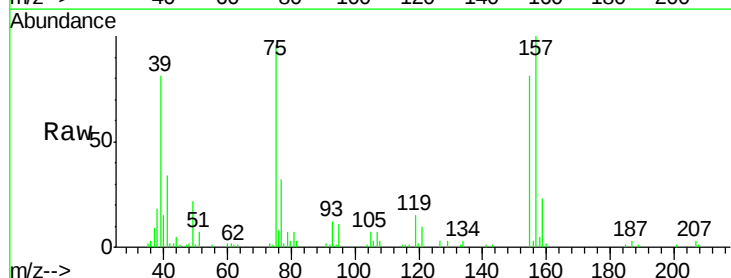
Manual Integrations  
 APPROVED

MMDadoda  
 5/1/2019 3:01:26 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 59.188 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 83.8  | 41.5  | 124.6 |
| 157     | 104.8 | 54.0  | 162.2 |





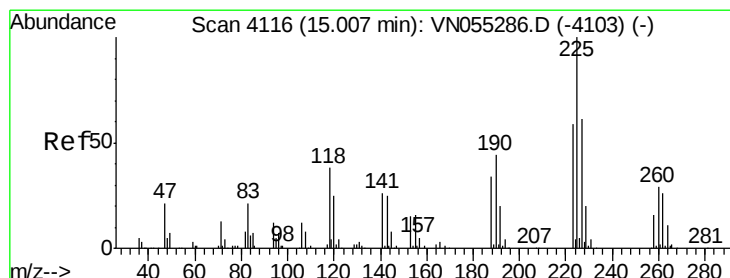
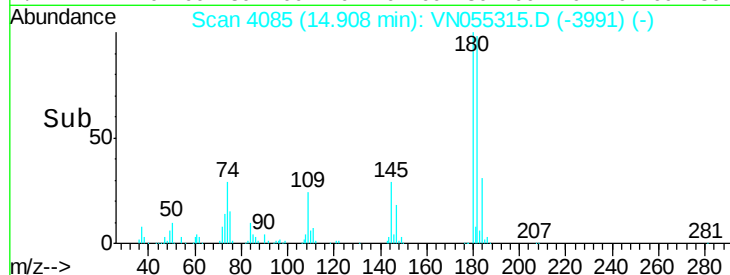
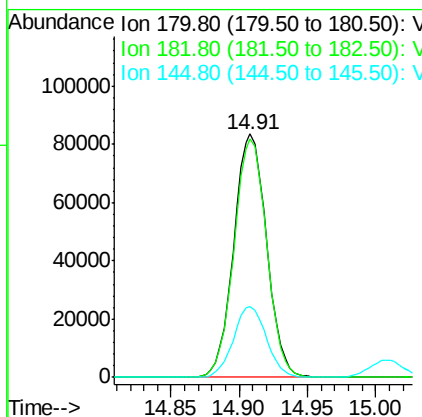
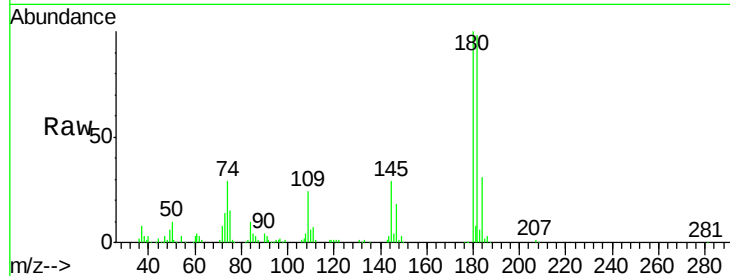
#93  
 1,2,4-Trichlorobenzene  
 Concen: 46.290 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 139658 |       |       |
| 182     | 97.4  | 48.3   | 144.9 |       |
| 145     | 29.2  | 14.2   | 42.6  |       |

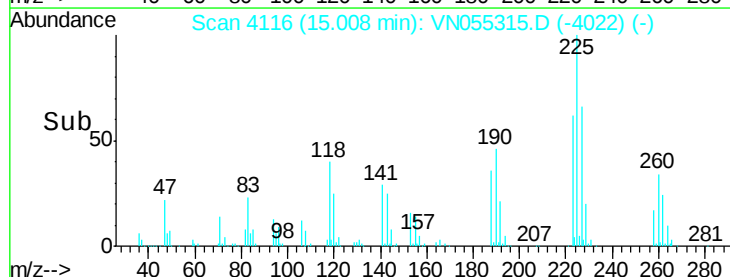
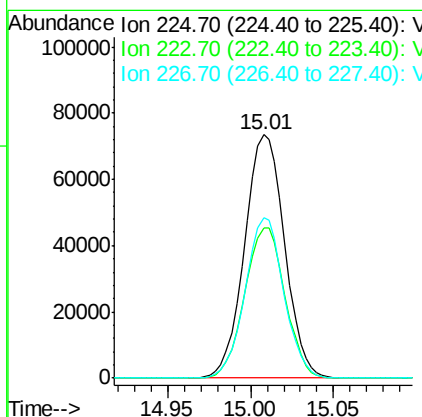
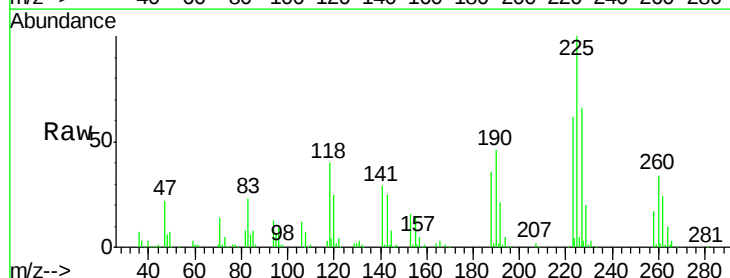
Manual Integrations  
 APPROVED

MMDadoda  
 5/1/2019 3:01:26 PM



#94  
 Hexachlorobutadiene  
 Concen: 53.313 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055315.D  
 Acq: 30 Apr 2019 18:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 123041 |       |       |
| 223     | 62.2  | 30.3   | 90.8  |       |
| 227     | 63.8  | 30.9   | 92.7  |       |





#95

Naphthalene

Concen: 48.062 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

Instrument :

MSVOA\_N

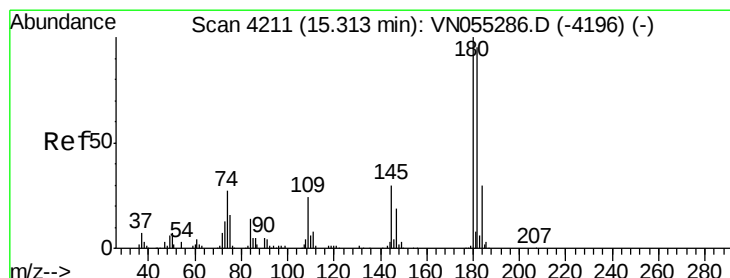
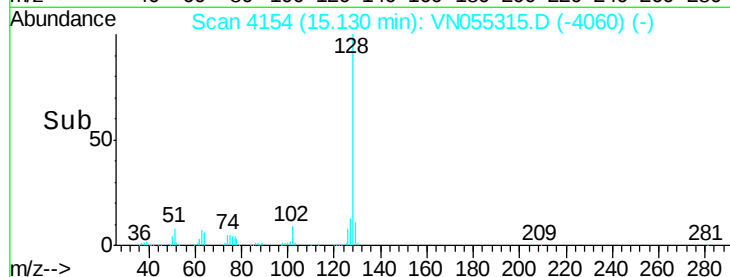
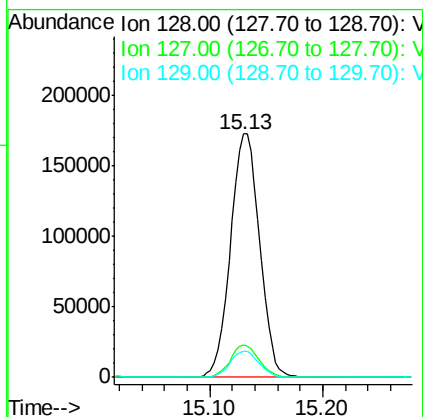
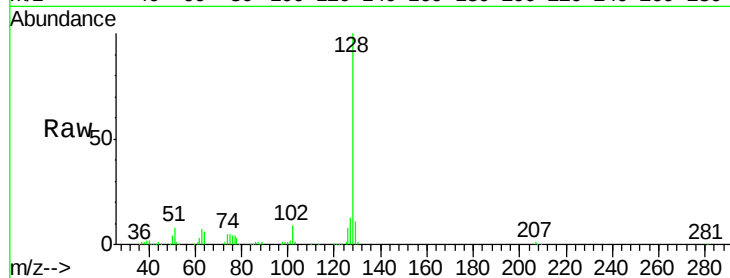
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 309129 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 10.7  | 16.1   |
| 129       | 10.7  | 8.6   | 13.0   |

Manual Integrations  
APPROVED

MMDadoda  
5/1/2019 3:01:26 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.269 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055315.D

Acq: 30 Apr 2019 18:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 147104 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.0  | 48.3  | 144.9  |
| 145       | 30.9  | 15.2  | 45.6   |

