

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\  
 Data File : VN057344.D  
 Acq On : 15 Aug 2019 20:19  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMdadoda  
 8/19/2019 1:54:13 AM

Quant Time: Aug 16 14:02:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 15 11:33:14 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 879721   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1302864  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1185281  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 476667   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.02   | 65  | 461722   | 48.28 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.56% |      |
| 35) Dibromofluoromethane  | 7.58   | 113 | 419928   | 49.17 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.34% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1554196  | 49.75 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.50% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 528698   | 47.89 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.78% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 347001  | 45.839  | ug/l   | 99     |
| 3) Chloromethane              | 2.06 | 50  | 400670  | 44.842  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.18 | 62  | 391183  | 46.535  | ug/l   | 98     |
| 5) Bromomethane               | 2.54 | 94  | 284024m | 47.400  | ug/l   |        |
| 6) Chloroethane               | 2.69 | 64  | 270876  | 46.846  | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 628073  | 47.633  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.40 | 74  | 240744  | 48.510  | ug/l   | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 368979  | 47.630  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.95 | 142 | 623737  | 50.372  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.76 | 59  | 308210  | 226.693 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 371195  | 48.091  | ug/l   | 98     |
| 13) Acrolein                  | 3.60 | 56  | 172993  | 209.596 | ug/l   | 100    |
| 14) Allyl chloride            | 4.32 | 41  | 526332  | 42.540  | ug/l   | 93     |
| 15) Acrylonitrile             | 4.97 | 53  | 881281  | 238.754 | ug/l   | 100    |
| 16) Acetone                   | 3.80 | 43  | 675323  | 203.559 | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.05 | 76  | 960504  | 46.190  | ug/l   | 98     |
| 18) Methyl Acetate            | 4.31 | 43  | 427317  | 48.114  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.03 | 73  | 1172175 | 48.398  | ug/l   | 100    |
| 20) Methylene Chloride        | 4.54 | 84  | 429356  | 46.255  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96  | 395586  | 47.658  | ug/l   | 96     |
| 22) Diisopropyl ether         | 5.94 | 45  | 1163230 | 47.593  | ug/l   | 99     |
| 23) Vinyl Acetate             | 5.88 | 43  | 4675337 | 237.682 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 5.84 | 63  | 714807  | 47.536  | ug/l   | 99     |
| 25) 2-Butanone                | 6.82 | 43  | 1077776 | 224.341 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 6.81 | 77  | 531200  | 43.711  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.82 | 96  | 467700  | 47.594  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.18 | 49  | 325388  | 48.702  | ug/l # | 98     |
| 29) Tetrahydrofuran           | 7.20 | 42  | 699828  | 230.181 | ug/l   | 99     |
| 30) Chloroform                | 7.36 | 83  | 740307  | 46.979  | ug/l   | 99     |
| 31) Cyclohexane               | 7.64 | 56  | 592121  | 45.439  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 7.56 | 97  | 659984  | 49.795  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 538463  | 46.809  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.91 | 43  | 457259  | 48.532  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 577576  | 48.324  | ug/l   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\  
 Data File : VN057344.D  
 Acq On : 15 Aug 2019 20:19  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMdadoda  
 8/19/2019 1:54:13 AM

Quant Time: Aug 16 14:02:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 15 11:33:14 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 630349   | 46.928  | ug/l  | 99       |
| 40) Benzene                    | 8.03  | 78   | 1661310  | 47.217  | ug/l  | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 226230m  | 53.319  | ug/l  |          |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 552526   | 47.447  | ug/l  | 99       |
| 43) Isopropyl Acetate          | 8.15  | 43   | 917959   | 53.351  | ug/l  | 96       |
| 44) Trichloroethene            | 8.83  | 130  | 473676   | 47.885  | ug/l  | 97       |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 436923   | 48.176  | ug/l  | 99       |
| 46) Dibromomethane             | 9.20  | 93   | 290260   | 47.974  | ug/l  | 100      |
| 47) Bromodichloromethane       | 9.40  | 83   | 587274   | 48.990  | ug/l  | 98       |
| 48) Methyl methacrylate        | 9.19  | 41   | 366799   | 47.276  | ug/l  | 98       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 149905   | 918.755 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 2263861  | 232.908 | ug/l  | 100      |
| 52) Toluene                    | 10.15 | 92   | 1059505  | 48.379  | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 624060   | 48.128  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 686613   | 48.020  | ug/l  | 100      |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 417084   | 48.433  | ug/l  | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 620465   | 49.372  | ug/l  | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 679667   | 47.245  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 704146   | 193.102 | ug/l  | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 1599818  | 228.940 | ug/l  | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 480142   | 49.754  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 442380   | 48.224  | ug/l  | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 489635   | 47.786  | ug/l  | 100      |
| 65) Chlorobenzene              | 11.43 | 112  | 1159621  | 47.969  | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 446948   | 48.276  | ug/l  | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 2027052  | 47.928  | ug/l  | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 1531063  | 98.254  | ug/l  | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 752784   | 49.201  | ug/l  | 99       |
| 70) Styrene                    | 11.96 | 104  | 1224161  | 50.193  | ug/l  | 99       |
| 71) Bromoform                  | 12.13 | 173  | 361568   | 49.504  | ug/l  | # 99     |
| 73) Isopropylbenzene           | 12.25 | 105  | 1992013  | 52.738  | ug/l  | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 606499   | 43.848  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 557197   | 52.843  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 461953m  | 49.185  | ug/l  |          |
| 77) Bromobenzene               | 12.53 | 156  | 528671   | 51.822  | ug/l  | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 2076227  | 45.232  | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 1291171  | 51.523  | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1664200  | 51.903  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 175863   | 44.988  | ug/l  | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1230222  | 45.228  | ug/l  | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1484253  | 52.811  | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1584505  | 46.151  | ug/l  | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1813972  | 50.313  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1594007  | 45.348  | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 790568   | 47.337  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 733925   | 46.293  | ug/l  | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 1202973  | 48.006  | ug/l  | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 315260   | 52.867  | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 746290   | 47.936  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 76764    | 45.161  | ug/l  | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\  
Data File : VN057344.D  
Acq On : 15 Aug 2019 20:19  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

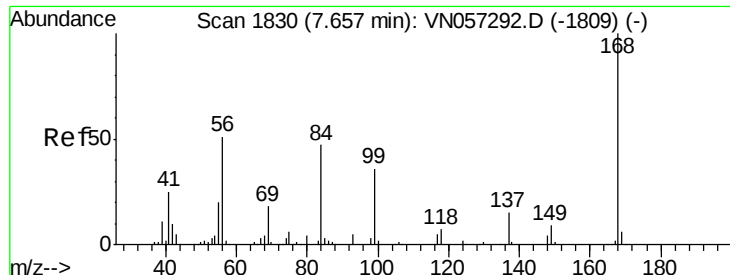
MMdadoda  
8/19/2019 1:54:13 AM

Quant Time: Aug 16 14:02:30 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 15 11:33:14 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 251722   | 41.456 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 314815   | 53.014 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 502751   | 52.021 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.29 | 180  | 232173   | 52.975 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 879721

Ion Ratio Lower Upper

168 100

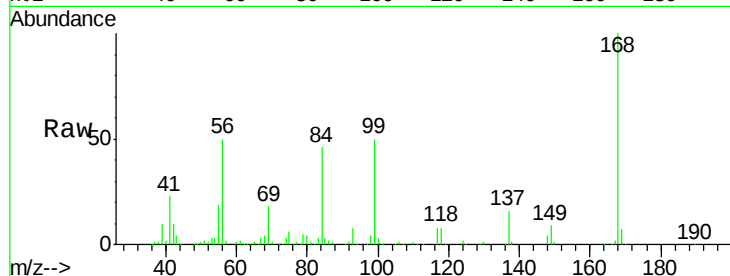
99 50.4 39.4 59.2

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:54:13 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

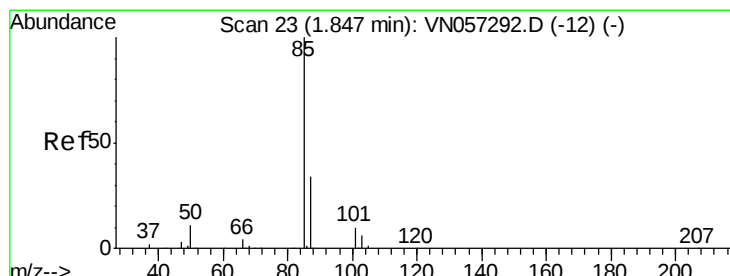
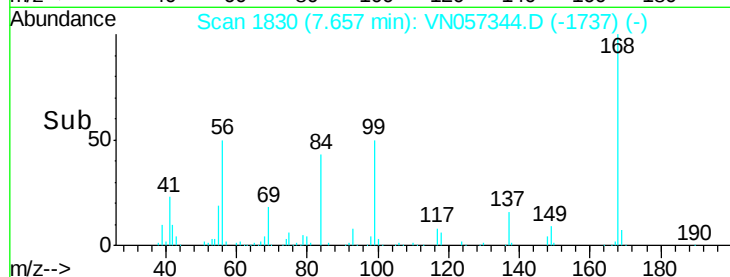
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.839 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057344.D

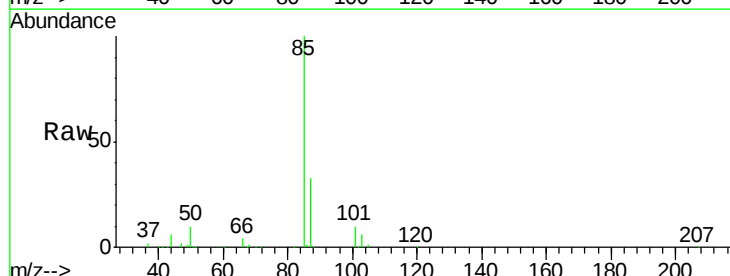
Acq: 15 Aug 2019 20:19

Tgt Ion: 85 Resp: 347001

Ion Ratio Lower Upper

85 100

87 33.2 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

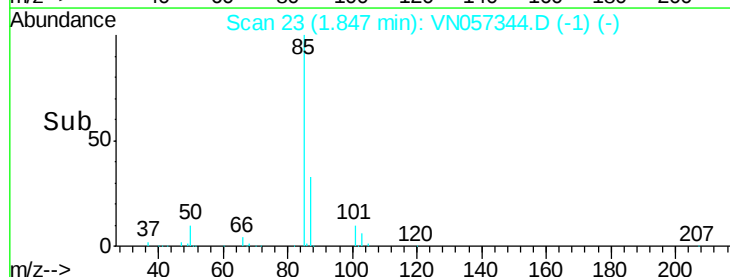
100000

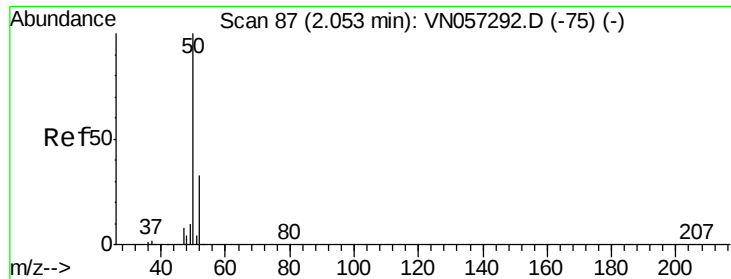
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 44.842 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 400670

Ion Ratio Lower Upper

50 100

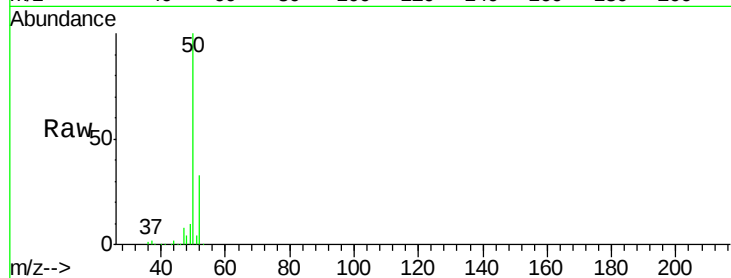
52 33.5 26.8 40.2

Manual Integrations

APPROVED

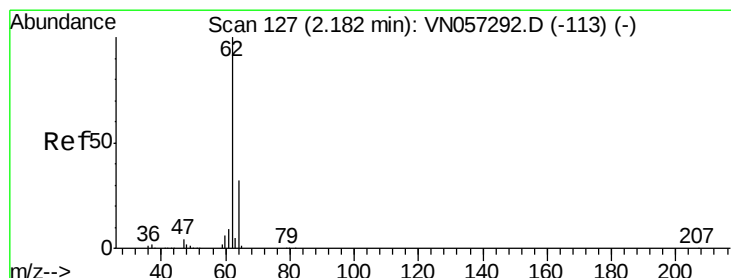
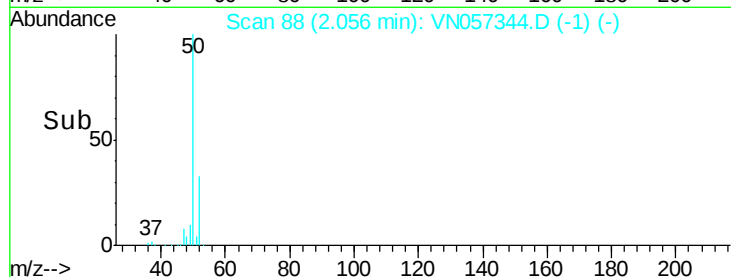
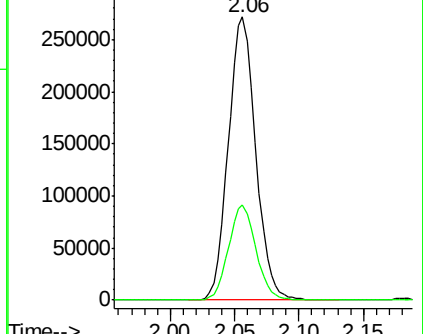
MMdadoda

8/19/2019 1:54:13 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.535 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057344.D

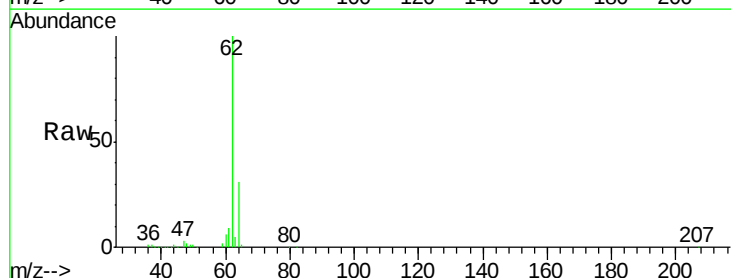
Acq: 15 Aug 2019 20:19

Tgt Ion: 62 Resp: 391183

Ion Ratio Lower Upper

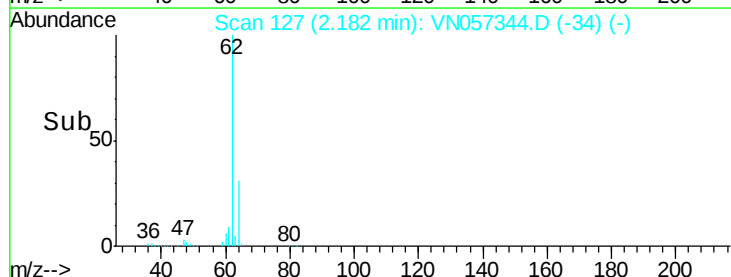
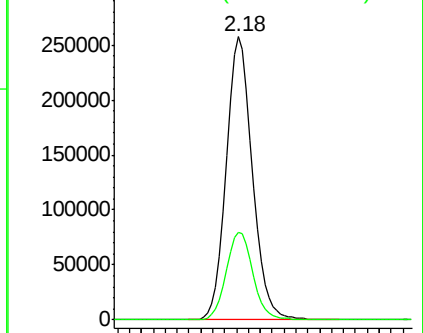
62 100

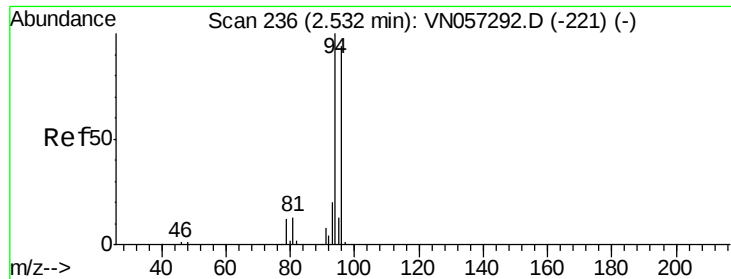
64 31.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.400 ug/l m

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 284024

Ion Ratio Lower Upper

94 100

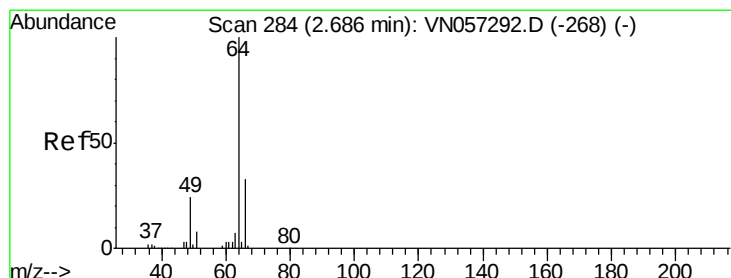
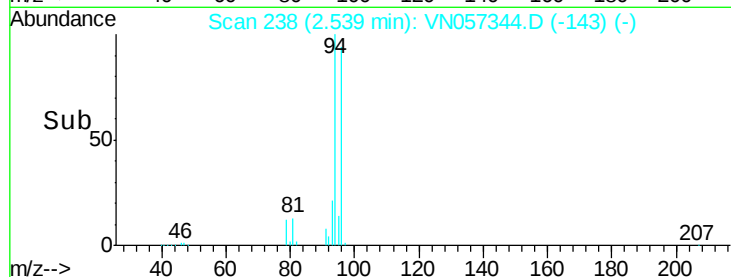
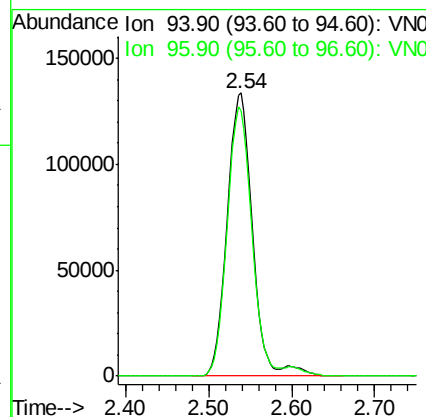
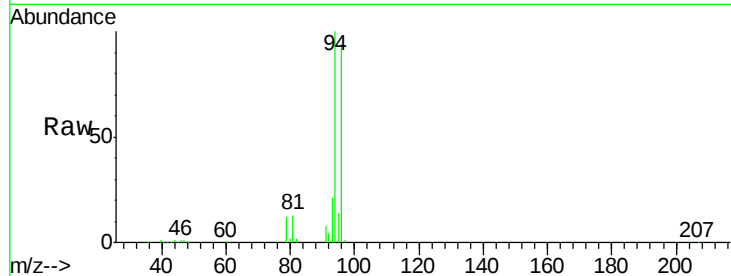
96 93.6 75.0 112.6

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:54:13 AM



#6

Chloroethane

Concen: 46.846 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN057344.D

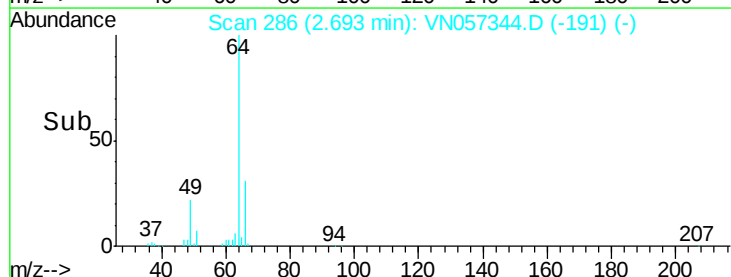
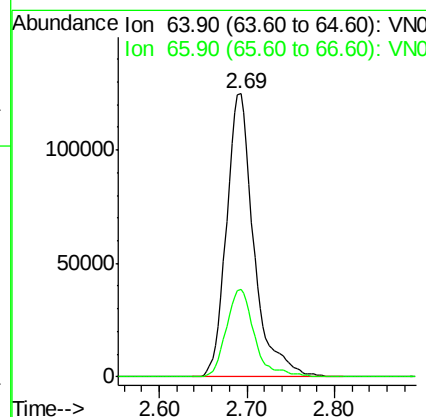
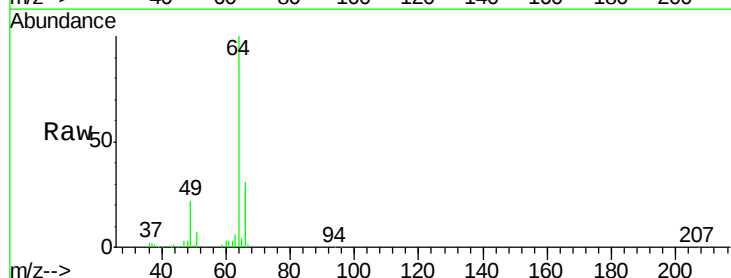
Acq: 15 Aug 2019 20:19

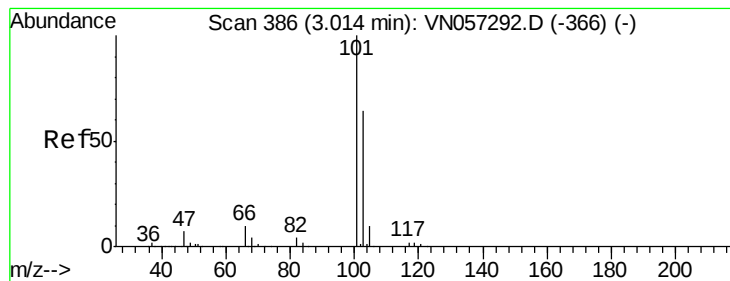
Tgt Ion: 64 Resp: 270876

Ion Ratio Lower Upper

64 100

66 30.8 26.4 39.6





#7

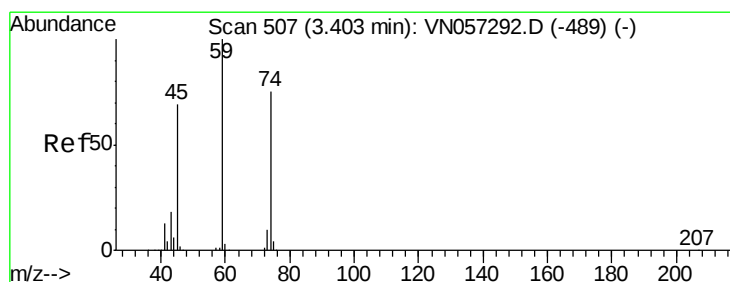
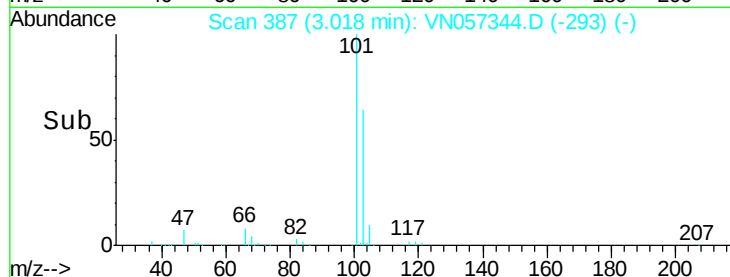
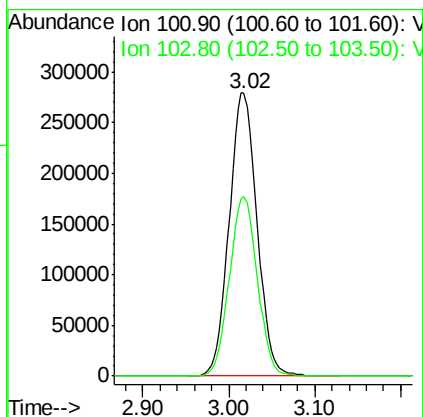
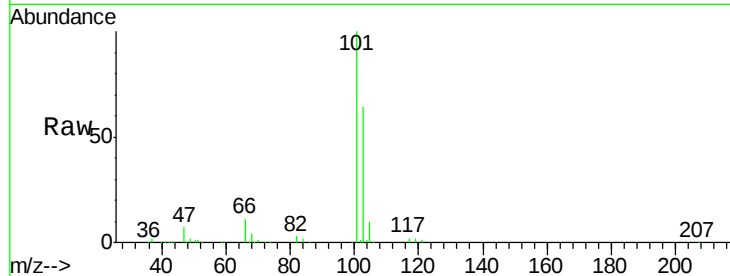
Trichlorofluoromethane  
Concen: 47.633 ug/l  
RT: 3.02 min Scan# 387  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 101     | 100  |       | 628073 |       |       |
| 103     | 63.6 | 51.5  |        | 77.3  |       |

Manual Integrations  
APPROVED

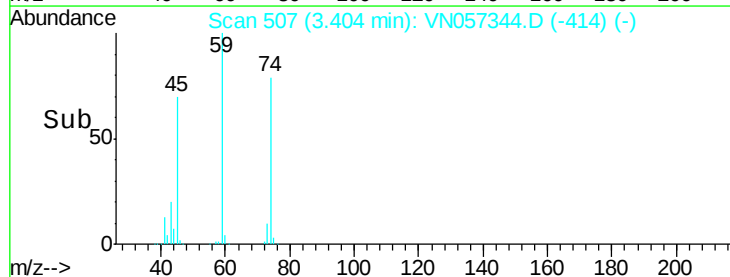
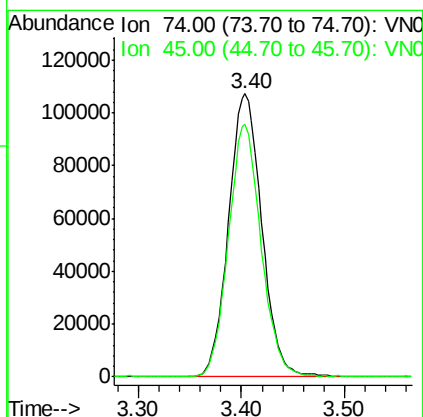
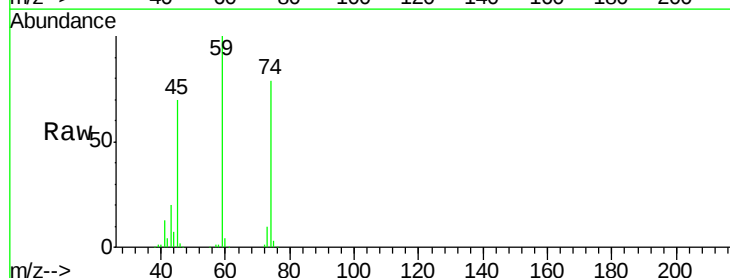
MMDadoda  
8/19/2019 1:54:13 AM

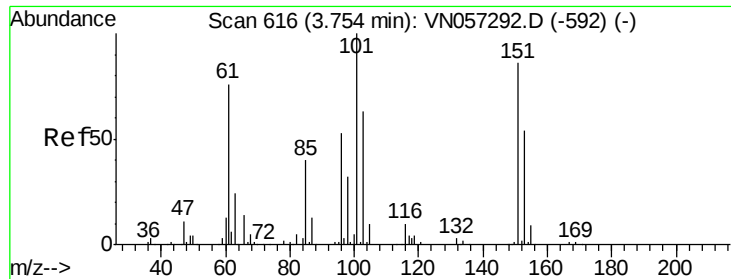


#8

Diethyl Ether  
Concen: 48.510 ug/l  
RT: 3.40 min Scan# 507  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 74      | 100  |       | 240744 |       |       |
| 45      | 87.3 | 45.9  |        | 137.6 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.630 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

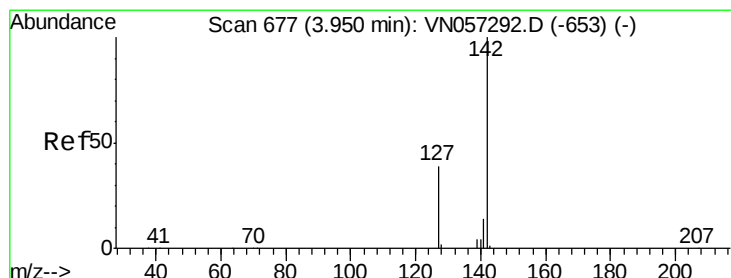
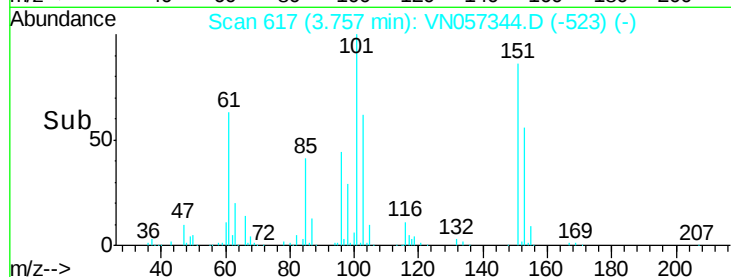
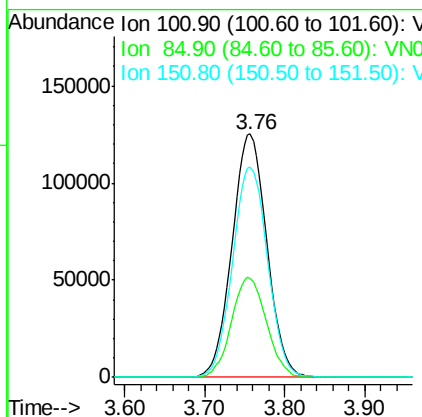
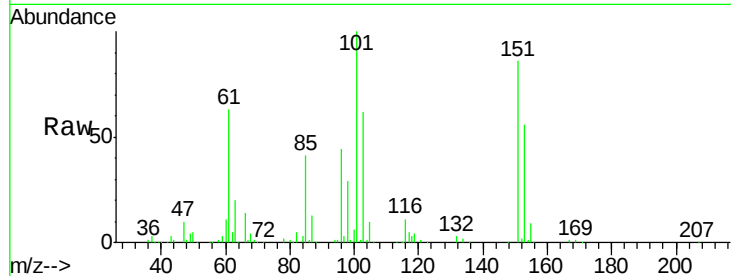
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 368979 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.2  | 32.7  | 49.1   |
| 151       | 87.3  | 69.1  | 103.7  |

Manual Integrations  
APPROVED

MMdadoda  
8/19/2019 1:54:13 AM



#10

Methyl Iodide

Concen: 50.372 ug/l

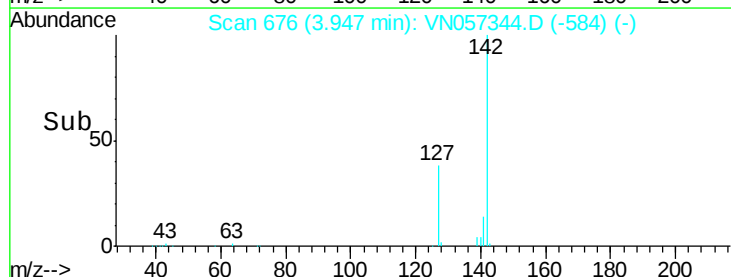
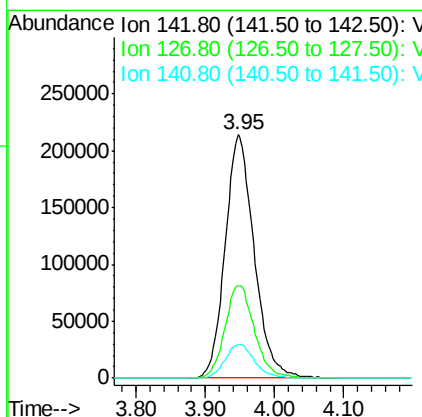
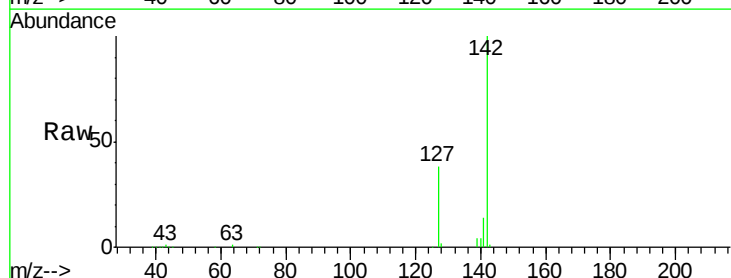
RT: 3.95 min Scan# 676

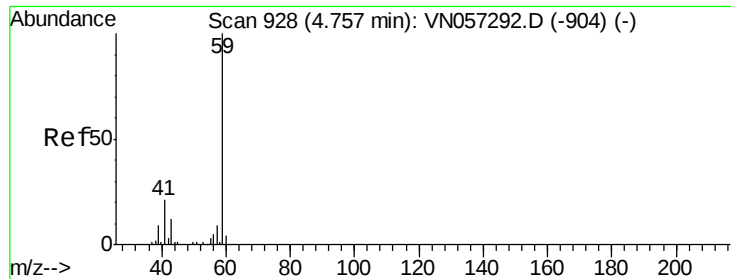
Delta R.T. -0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 623737 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.9  | 31.6  | 47.4   |
| 141       | 14.2  | 11.2  | 16.8   |





#11

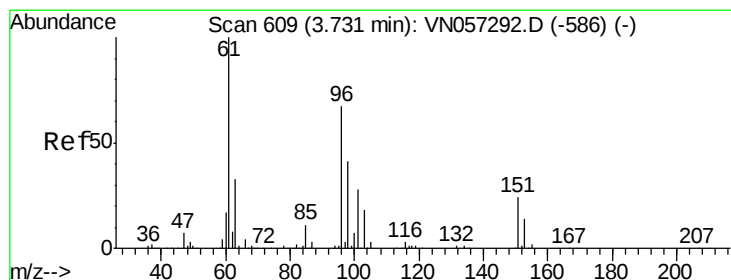
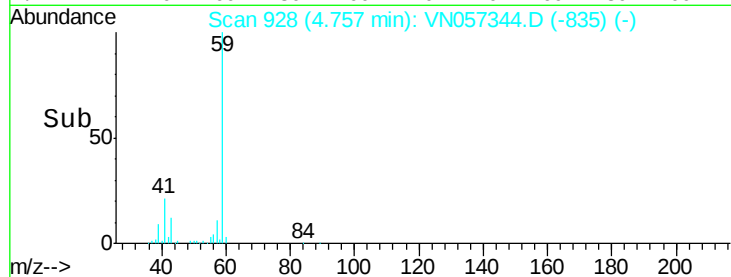
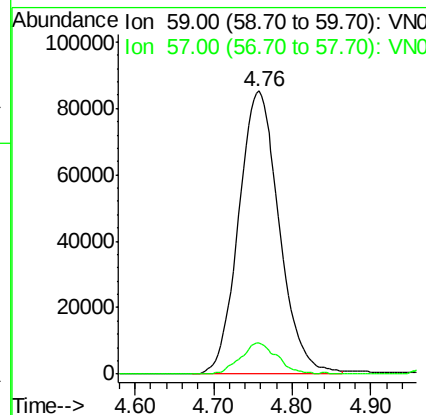
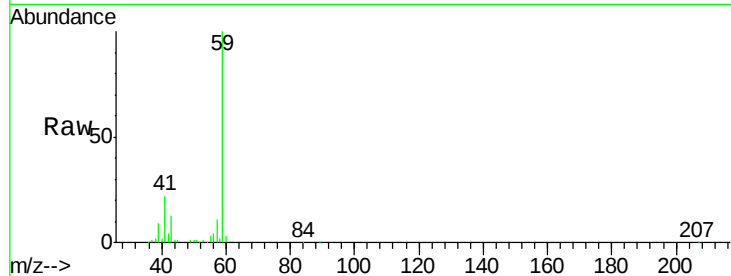
Tert butyl alcohol  
Concen: 226.693 ug/l  
RT: 4.76 min Scan# 928  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 8.2   | 12.2  |

Manual Integrations  
APPROVED

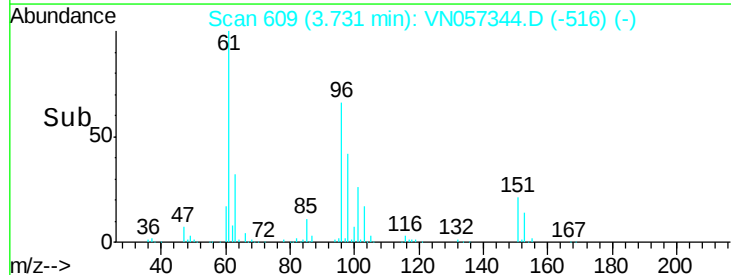
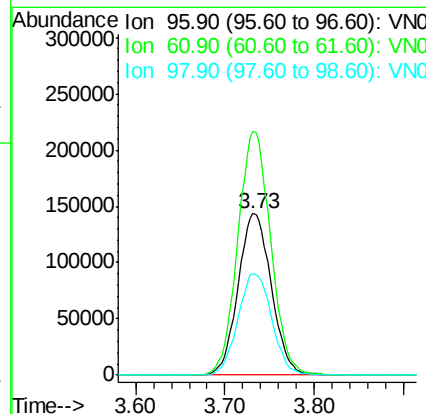
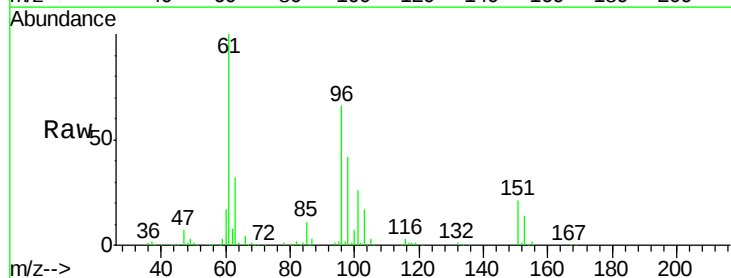
MMdadoda  
8/19/2019 1:54:13 AM

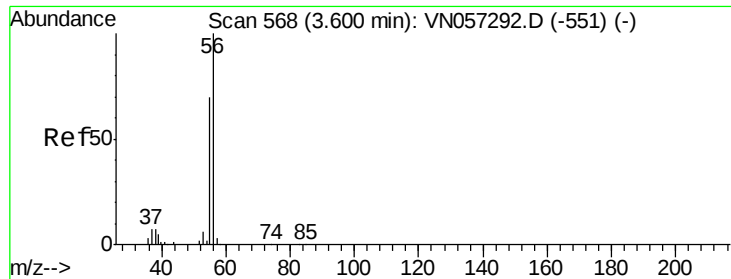


#12

1,1-Dichloroethene  
Concen: 48.091 ug/l  
RT: 3.73 min Scan# 609  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 151.0 | 119.7 | 179.5 |
| 98      | 63.3  | 49.0  | 73.4  |





#13

Acrolein

Concen: 209.596 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 172993

Ion Ratio Lower Upper

56 100

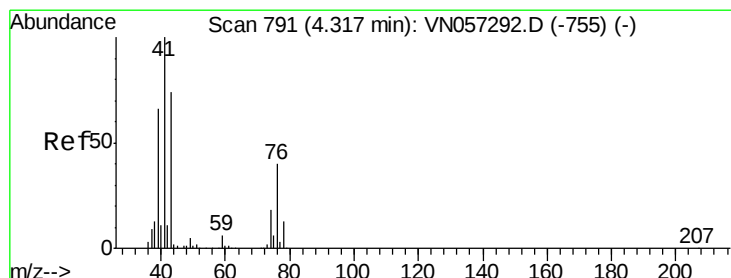
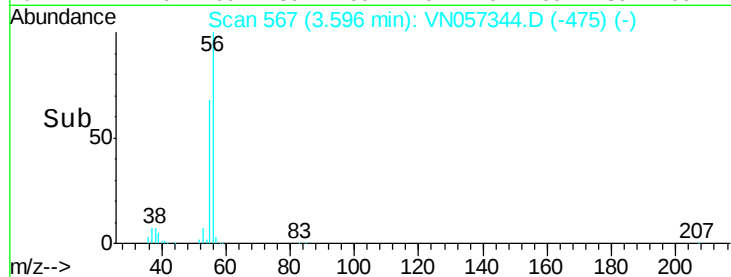
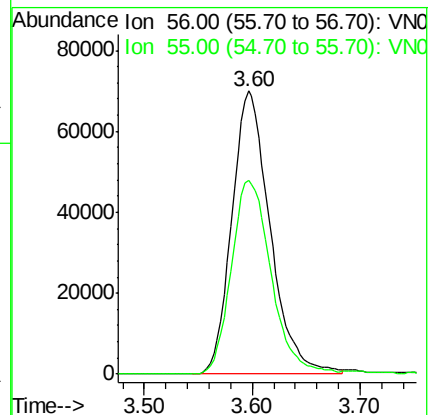
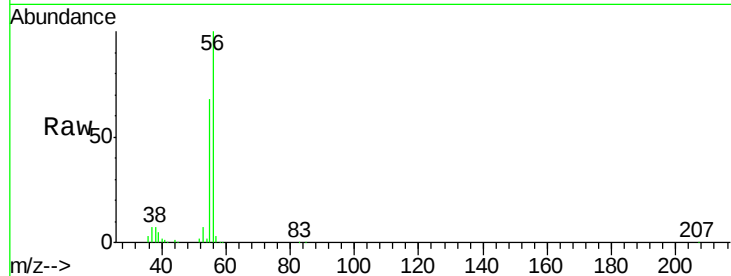
55 71.0 56.6 84.8

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:54:13 AM



#14

Allyl chloride

Concen: 42.540 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

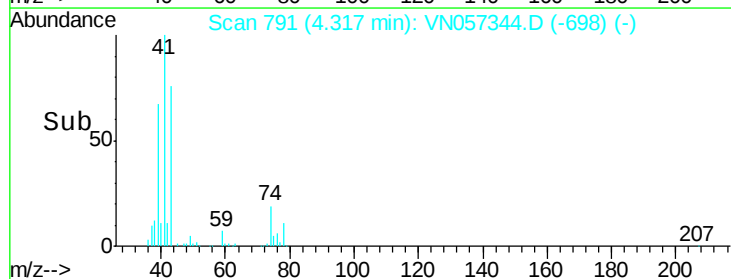
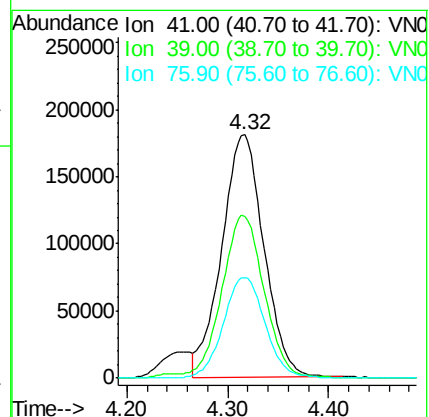
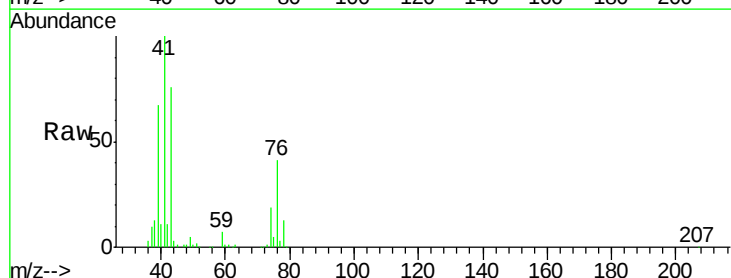
Tgt Ion: 41 Resp: 526332

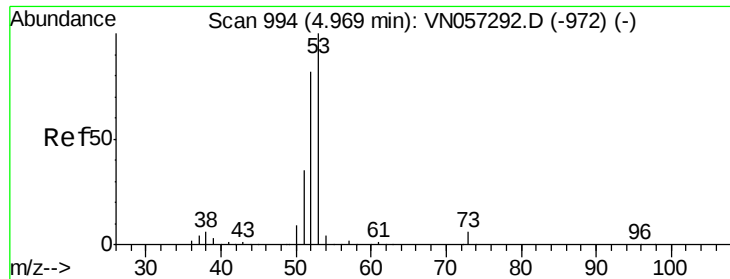
Ion Ratio Lower Upper

41 100

39 66.9 49.0 73.6

76 40.7 29.0 43.4





#15

Acrylonitrile

Concen: 238.754 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

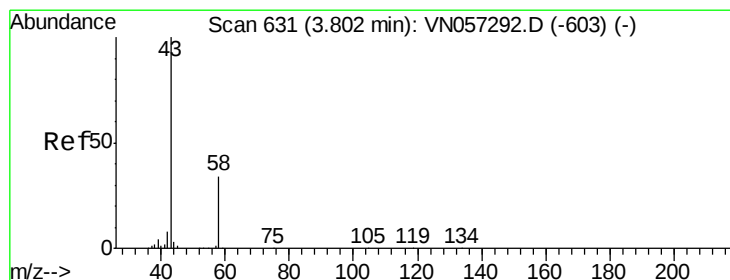
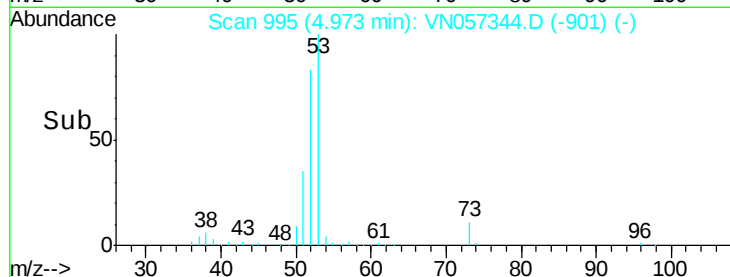
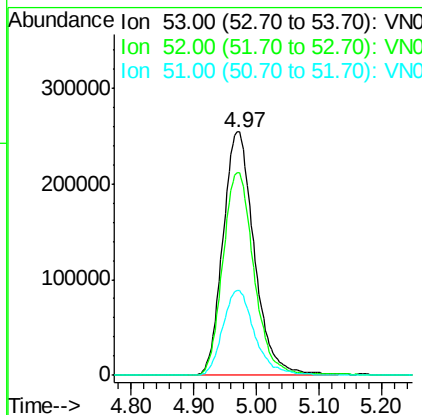
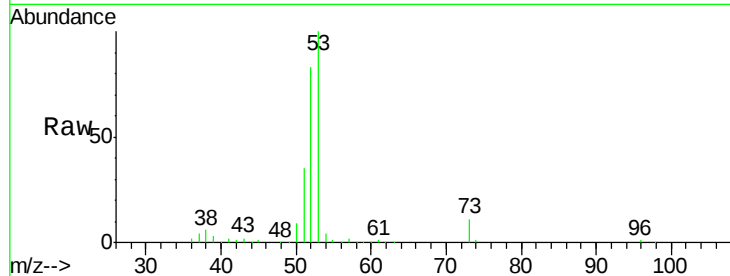
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 881281 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.7  | 66.2  | 99.2   |
| 51       | 35.5  | 28.5  | 42.7   |

Manual Integrations  
APPROVED

MMDadoda  
8/19/2019 1:54:13 AM



#16

Acetone

Concen: 203.559 ug/l

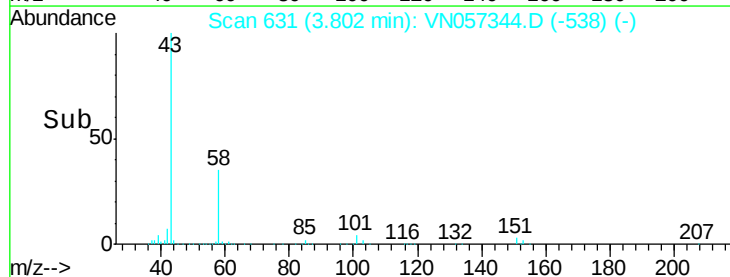
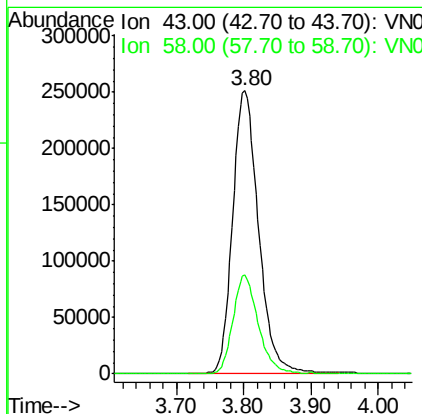
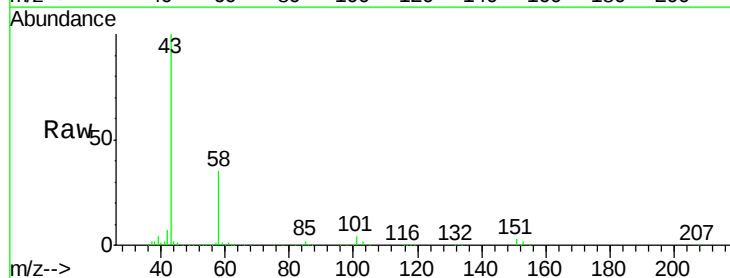
RT: 3.80 min Scan# 631

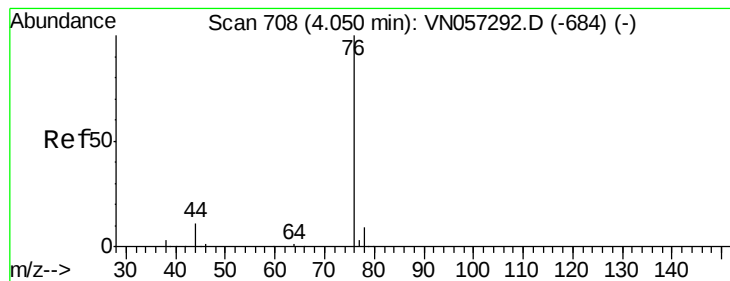
Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 675323 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 34.9  | 27.0  | 40.6   |





#17

Carbon Disulfide

Concen: 46.190 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 960504

Ion Ratio Lower Upper

76 100

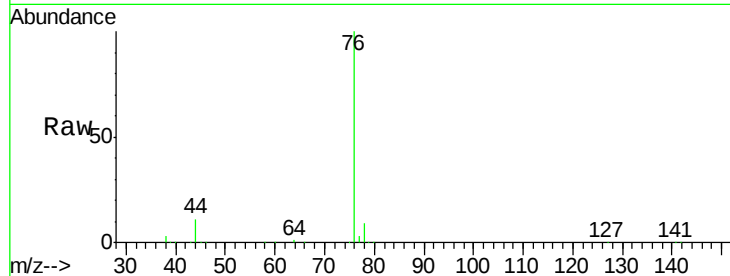
78 9.4 7.0 10.6

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:54:13 AM



Abundance Ion 75.90 (75.60 to 76.60): VN057344.D (-615) (-)

Ion 77.90 (77.60 to 78.60): VN057344.D (-615) (-)

4.05

400000

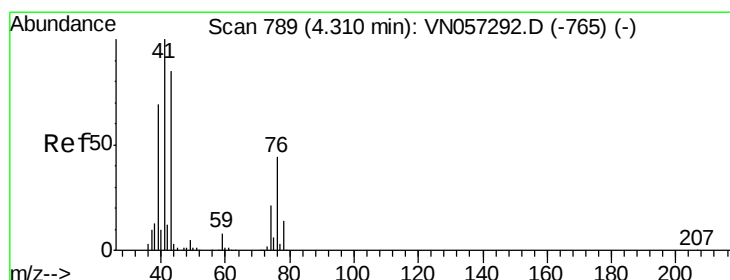
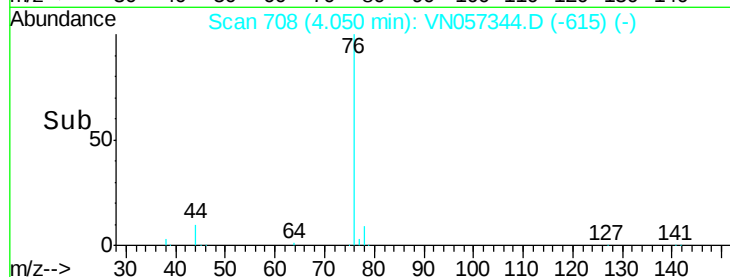
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 48.114 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN057344.D

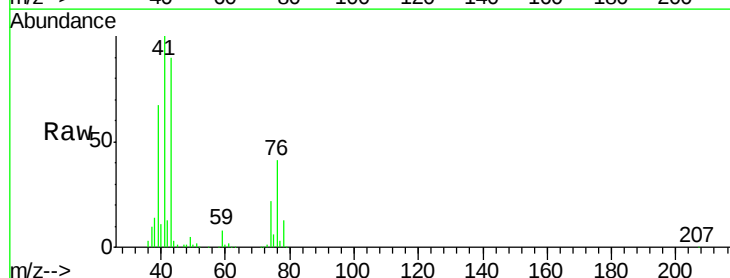
Acq: 15 Aug 2019 20:19

Tgt Ion: 43 Resp: 427317

Ion Ratio Lower Upper

43 100

74 25.9 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN057344.D (-696) (-)

Ion 74.00 (73.70 to 74.70): VN057344.D (-696) (-)

4.31

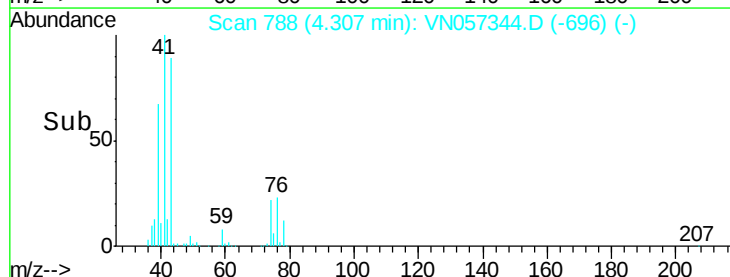
150000

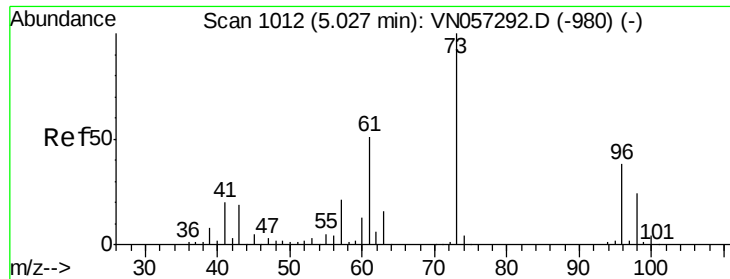
100000

50000

0

Time-->





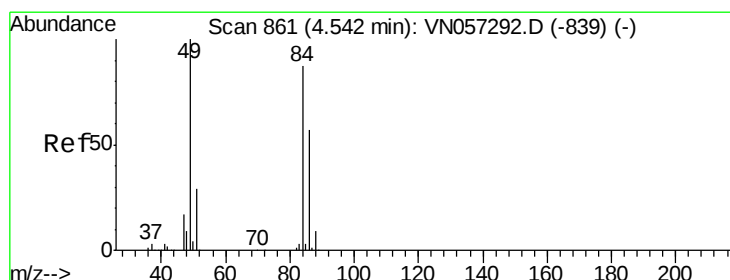
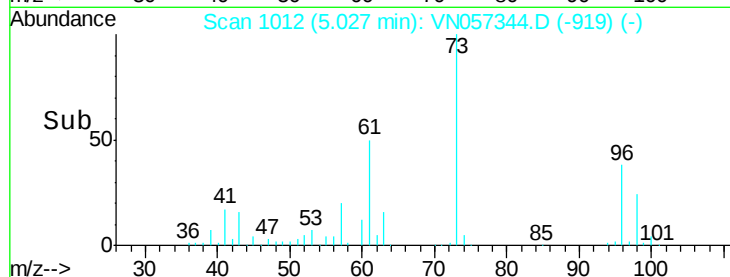
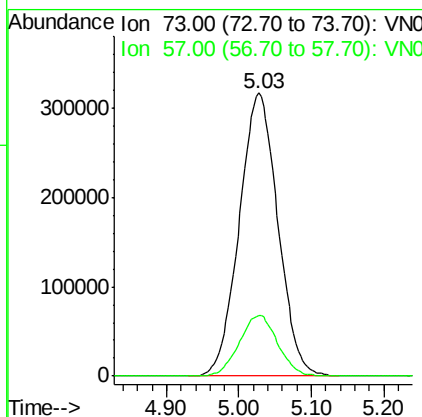
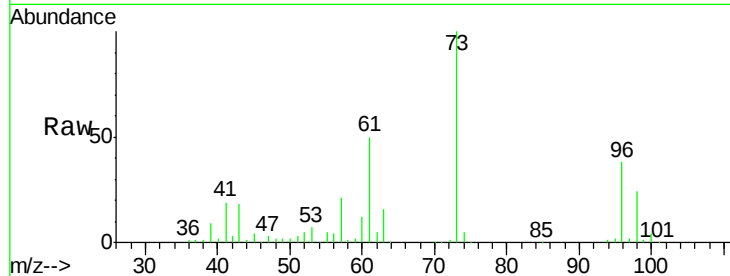
#19  
Methvl tert-butvl Ether  
Concen: 48.398 ug/l  
RT: 5.03 min Scan# 1012  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 1172175  
Ion Ratio Lower Upper  
73 100  
57 21.3 16.9 25.3

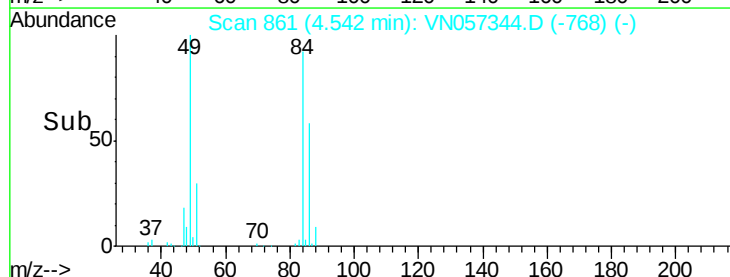
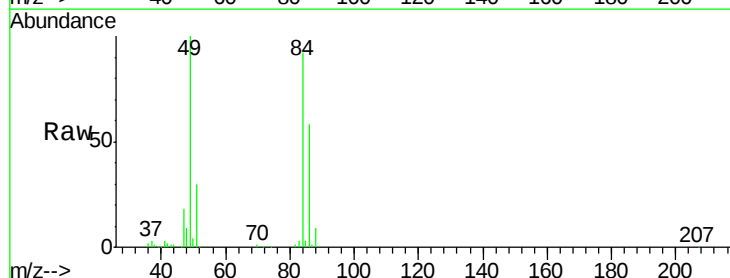
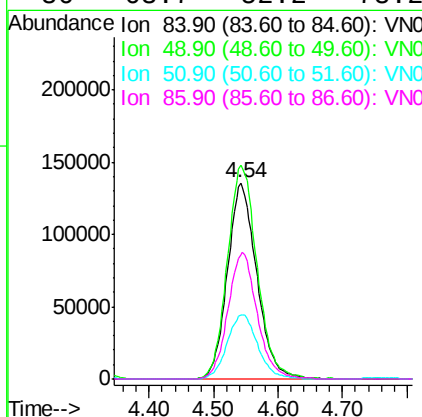
Manual Integrations  
APPROVED

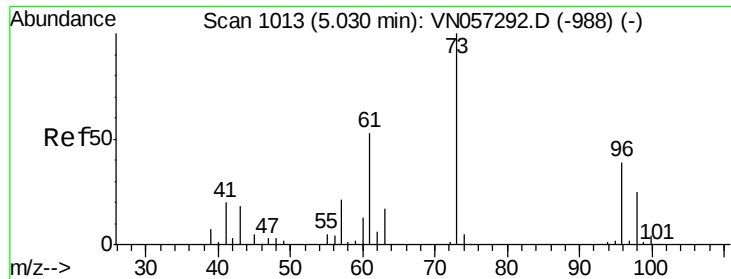
MMdadoda  
8/19/2019 1:54:13 AM



#20  
Methylene Chloride  
Concen: 46.255 ug/l  
RT: 4.54 min Scan# 861  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Tgt Ion: 84 Resp: 429356  
Ion Ratio Lower Upper  
84 100  
49 109.1 92.0 138.0  
51 32.8 27.1 40.7  
86 63.7 52.2 78.2





#21

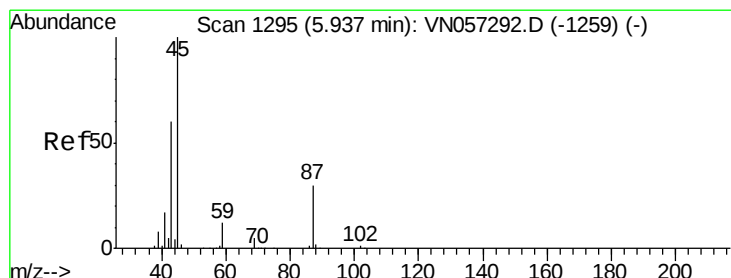
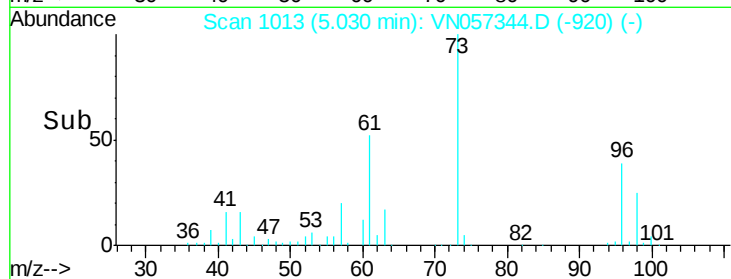
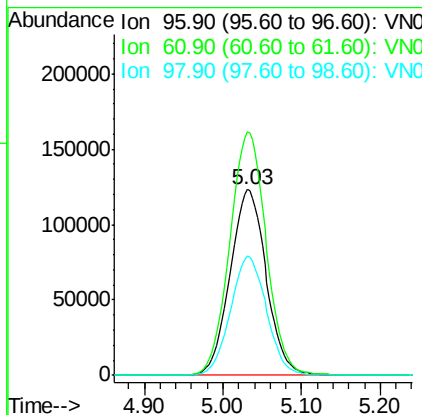
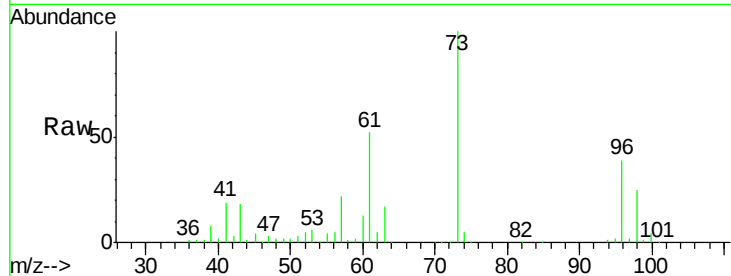
trans-1,2-Dichloroethene  
Concen: 47.658 ug/l  
RT: 5.03 min Scan# 1013  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 130.8 | 109.5 | 164.3 |
| 98      | 64.1  | 51.0  | 76.6  |

Manual Integrations  
APPROVED

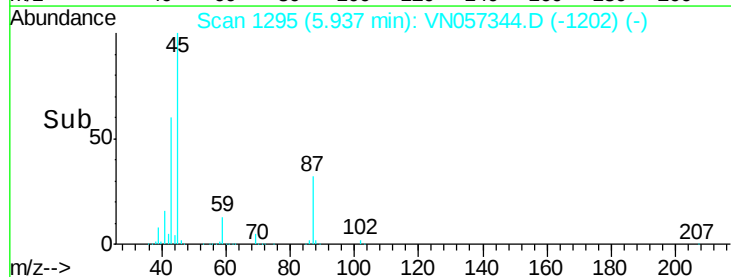
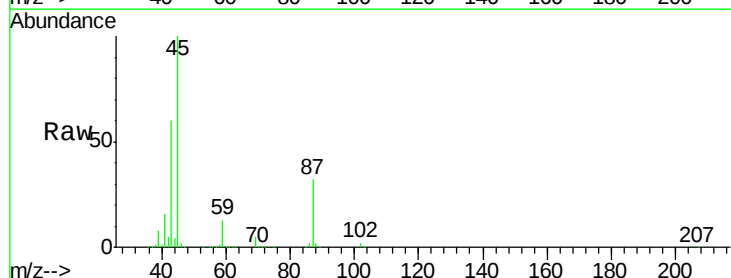
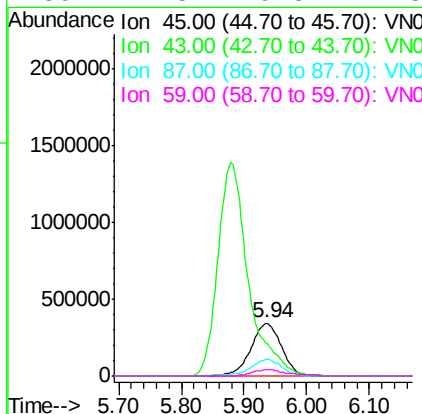
MMdadoda  
8/19/2019 1:54:13 AM

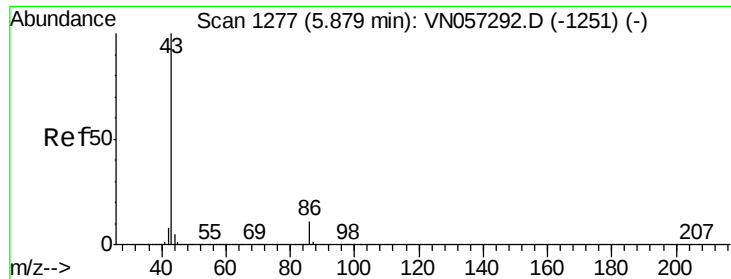


#22

Diisopropyl ether  
Concen: 47.593 ug/l  
RT: 5.94 min Scan# 1295  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 60.1  | 48.3  | 72.5  |
| 87      | 31.6  | 24.6  | 36.8  |
| 59      | 12.5  | 9.8   | 14.8  |





#23

Vinyl Acetate

Concen: 237.682 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4675337

Ion Ratio Lower Upper

43 100

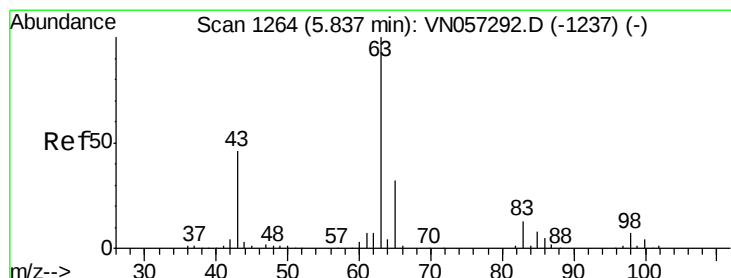
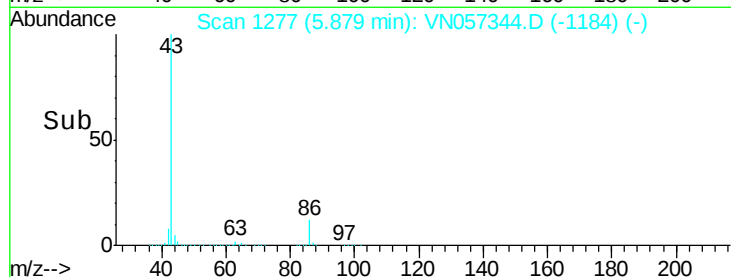
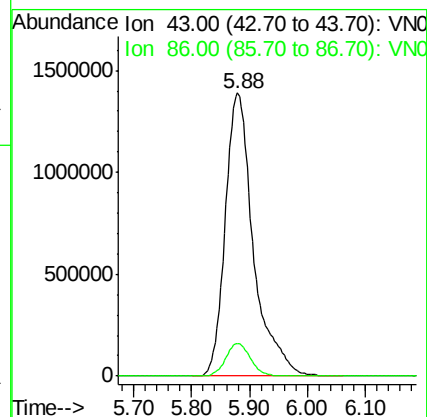
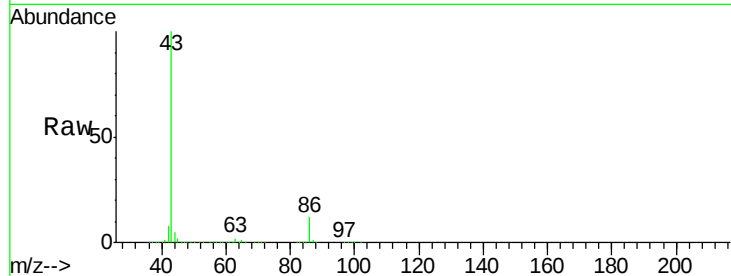
86 11.6 8.7 13.1

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:54:13 AM



#24

1,1-Dichloroethane

Concen: 47.536 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

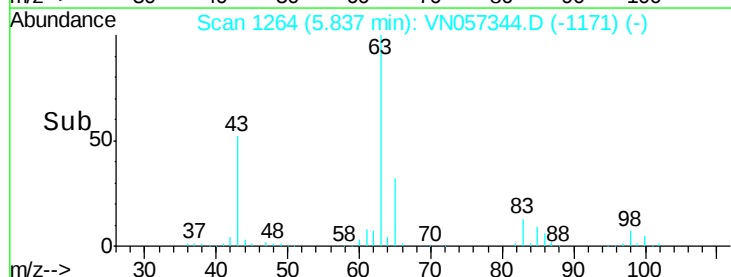
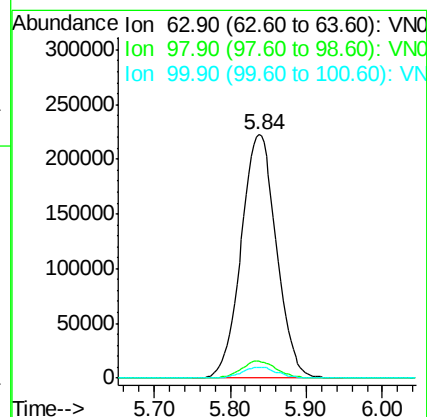
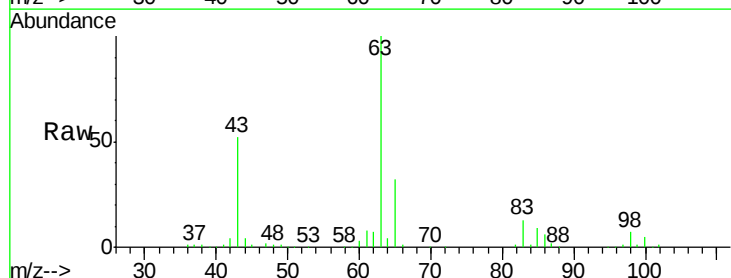
Tgt Ion: 63 Resp: 714807

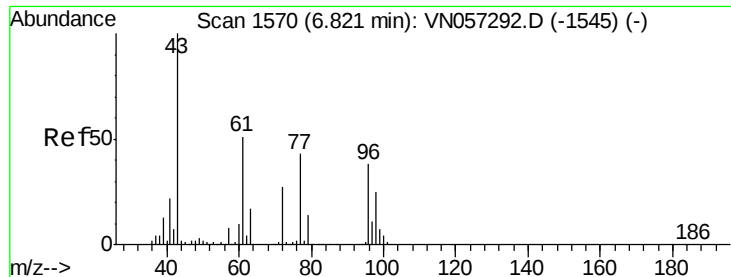
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 4.6 2.1 6.5





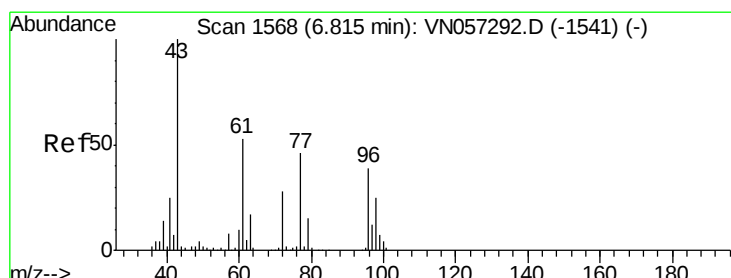
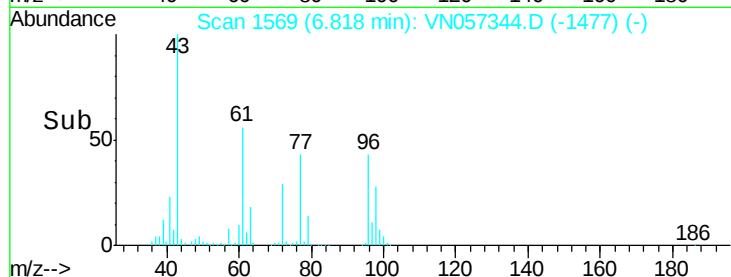
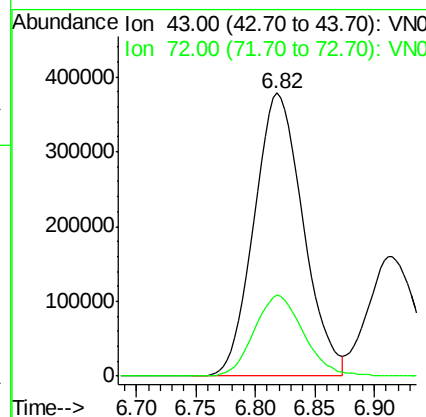
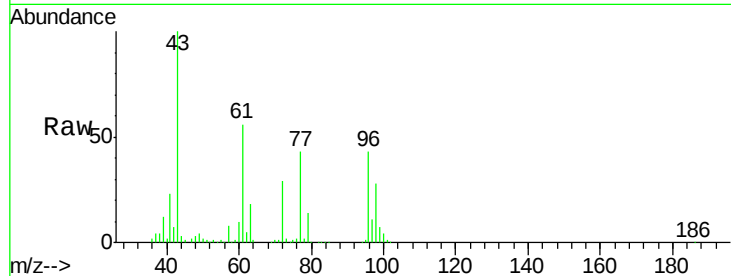
#25  
2-Butanone  
Concen: 224.341 ug/l  
RT: 6.82 min Scan# 1569  
Delta R.T. -0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1077776  
Ion Ratio Lower Upper  
43 100  
72 28.6 21.5 32.3

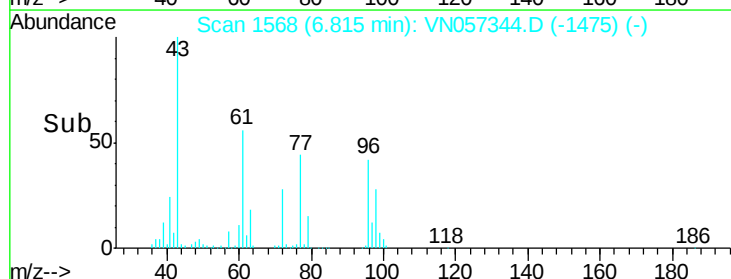
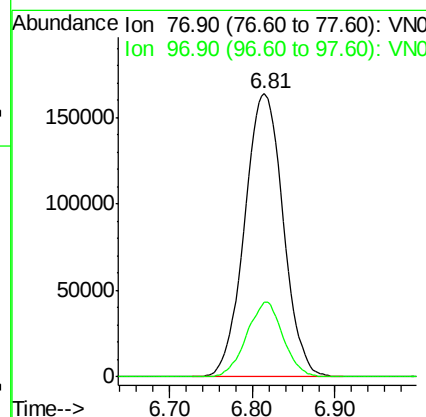
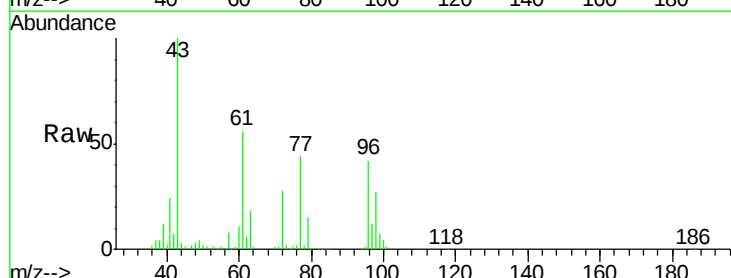
Manual Integrations  
APPROVED

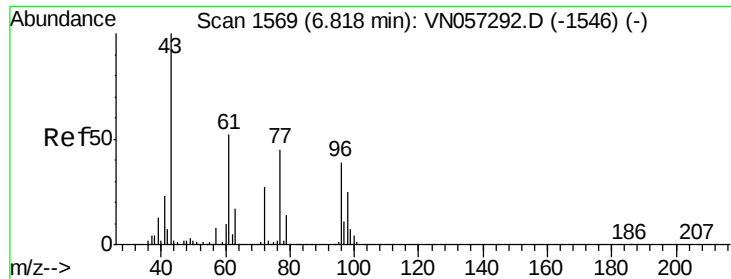
MMDadoda  
8/19/2019 1:54:13 AM



#26  
2,2-Dichloropropane  
Concen: 43.711 ug/l  
RT: 6.81 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Tgt Ion: 77 Resp: 531200  
Ion Ratio Lower Upper  
77 100  
97 24.9 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 47.594 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

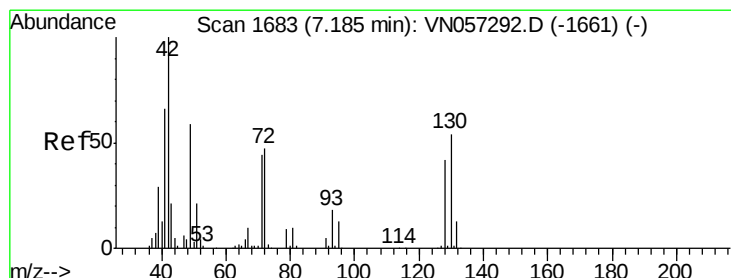
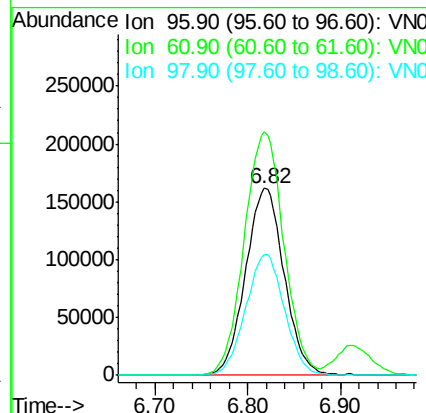
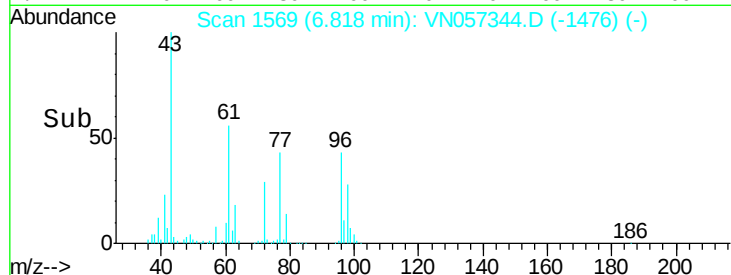
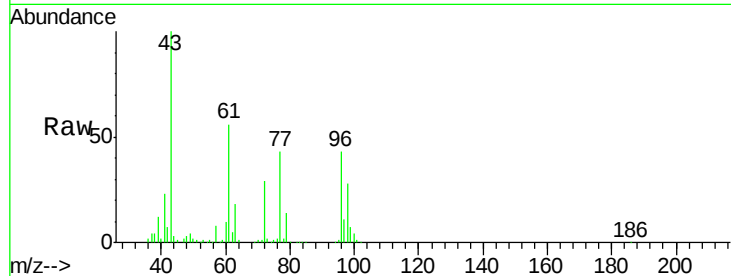
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 467700 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 133.7 | 0.0   | 272.0  |
| 98       | 65.2  | 0.0   | 130.4  |

Manual Integrations  
APPROVED

MMdadoda  
8/19/2019 1:54:13 AM



#28

Bromochloromethane

Concen: 48.702 ug/l

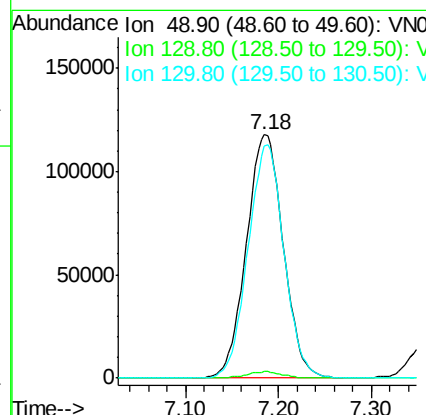
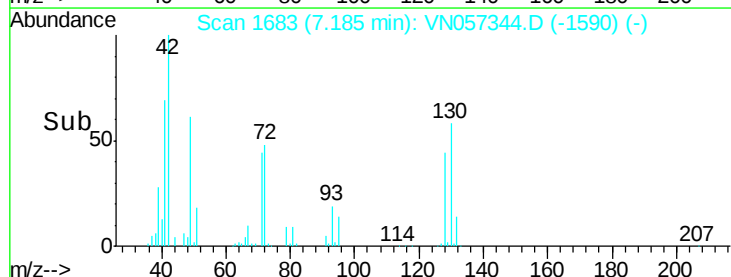
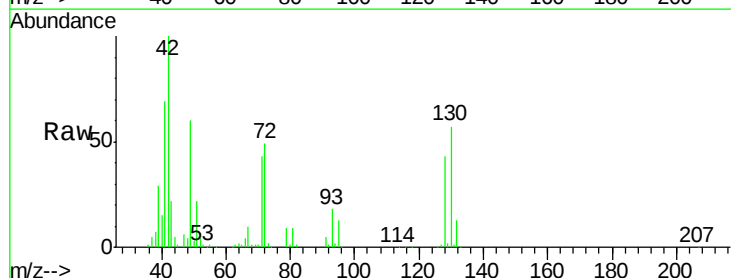
RT: 7.18 min Scan# 1683

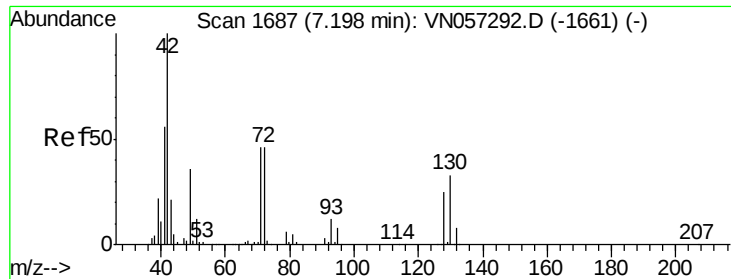
Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 325388 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.5   | 0.0   | 2.0#   |
| 130      | 93.5  | 73.2  | 109.8  |





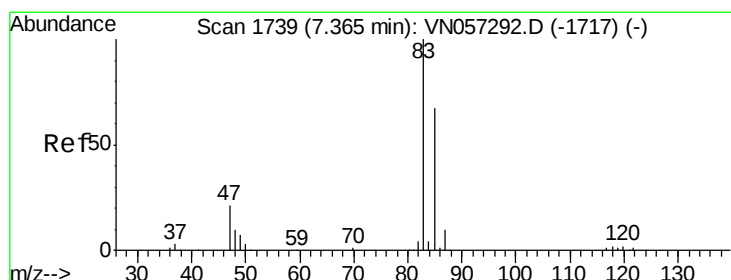
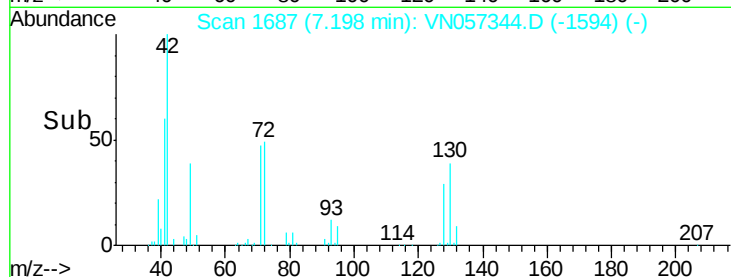
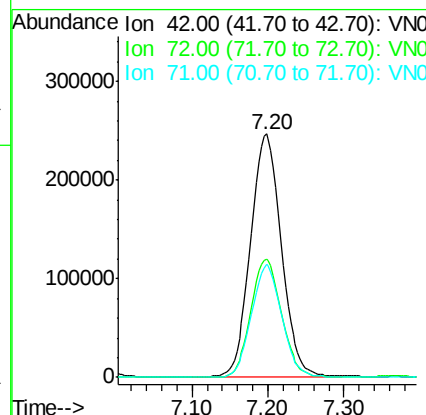
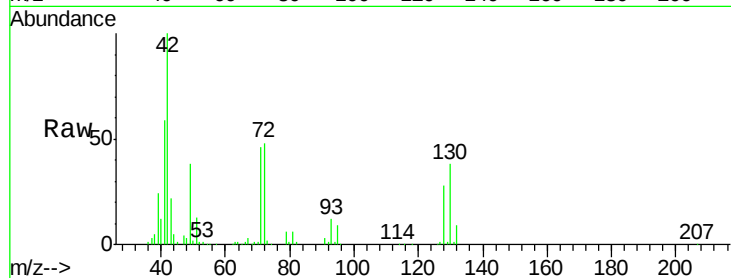
#29  
Tetrahydrofuran  
Concen: 230.181 ug/l  
RT: 7.20 min Scan# 1687  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 48.3  | 37.8  | 56.6  |
| 71      | 45.4  | 35.7  | 53.5  |

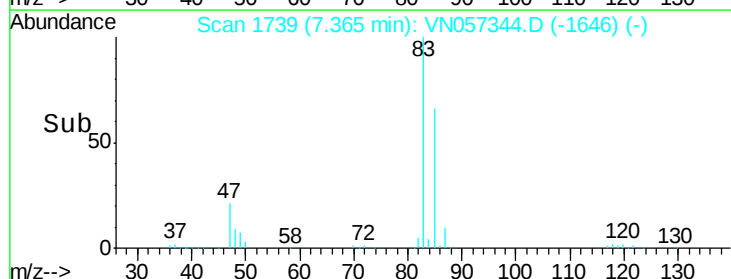
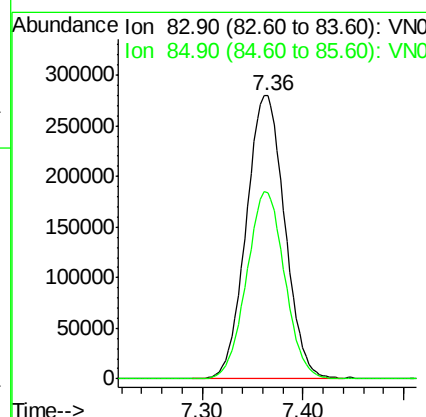
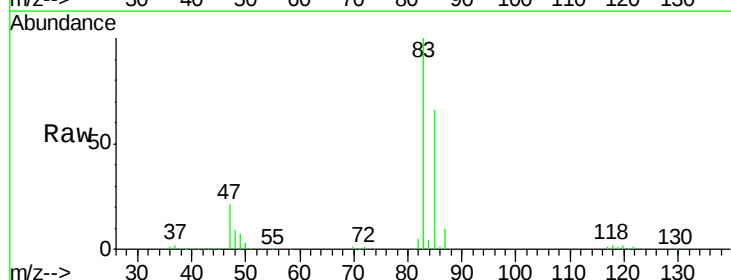
Manual Integrations  
APPROVED

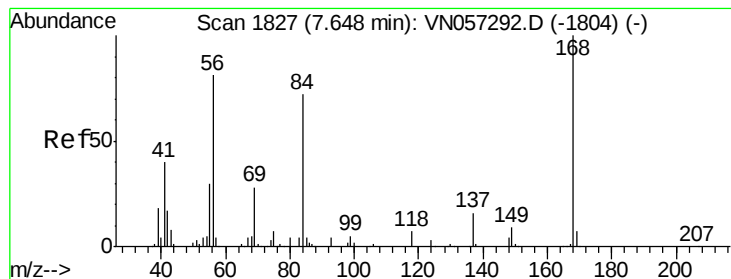
MMDadoda  
8/19/2019 1:54:13 AM



#30  
Chloroform  
Concen: 46.979 ug/l  
RT: 7.36 min Scan# 1739  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.9  | 53.3  | 79.9  |





#31

Cyclohexane

Concen: 45.439 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

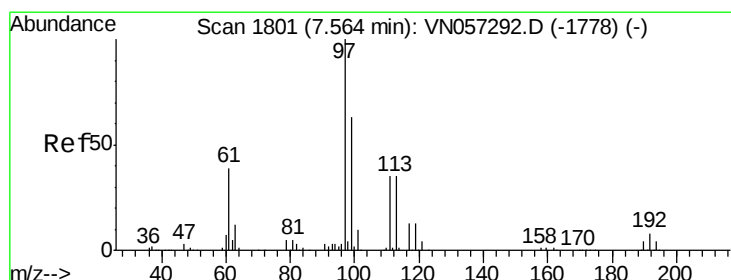
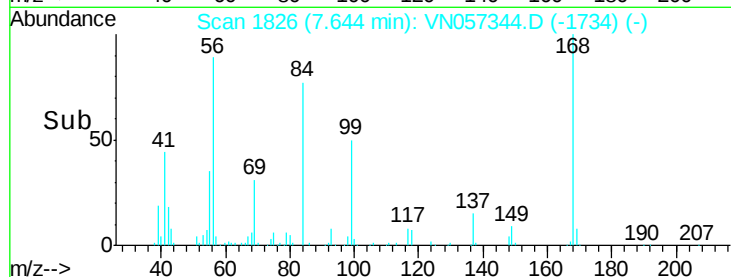
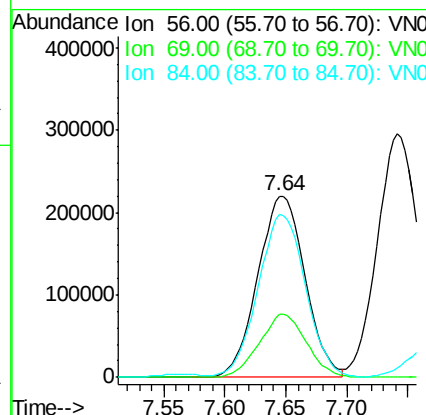
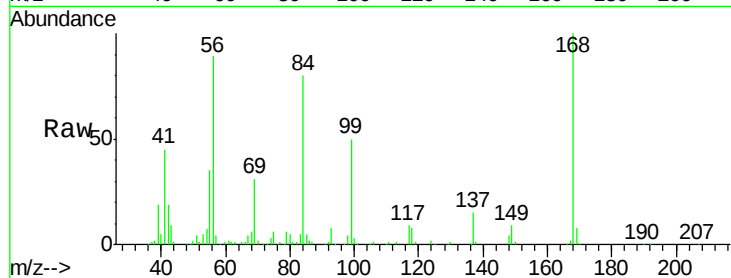
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 592121 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 34.6  | 27.3  | 40.9   |
| 84        | 88.3  | 71.0  | 106.6  |

Manual Integrations  
APPROVED

MMdadoda  
8/19/2019 1:54:13 AM



#32

1,1,1-Trichloroethane

Concen: 49.795 ug/l

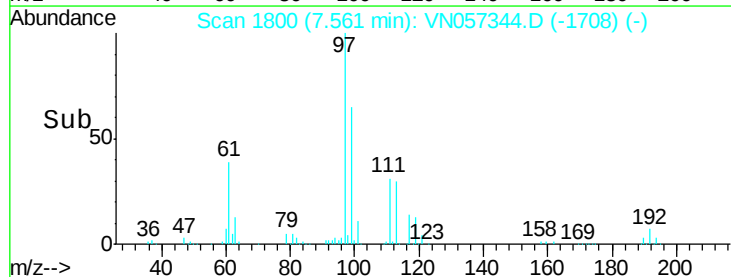
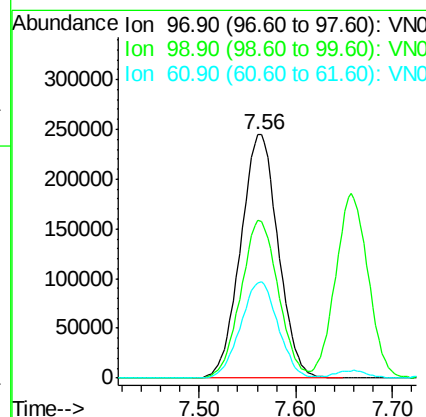
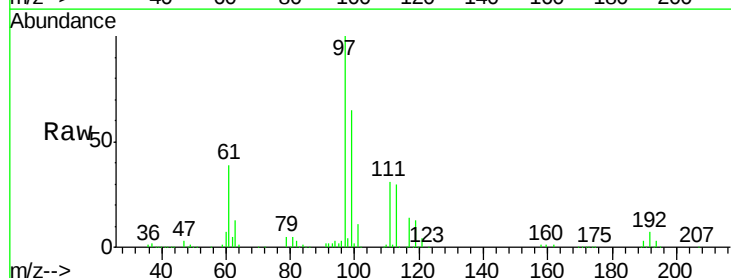
RT: 7.56 min Scan# 1800

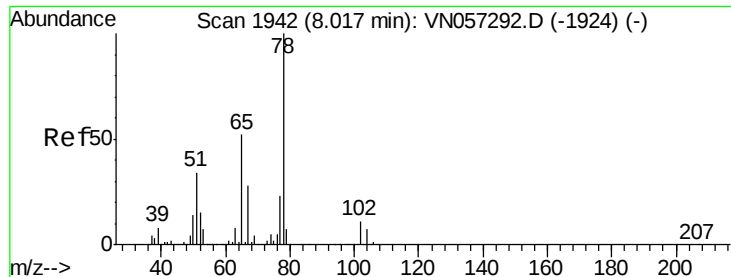
Delta R.T. -0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 659984 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.5  | 50.3  | 75.5   |
| 61        | 39.4  | 31.3  | 46.9   |





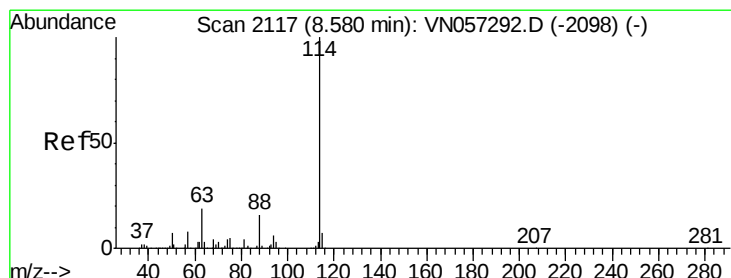
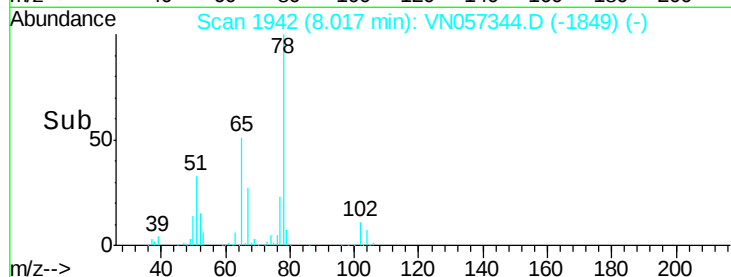
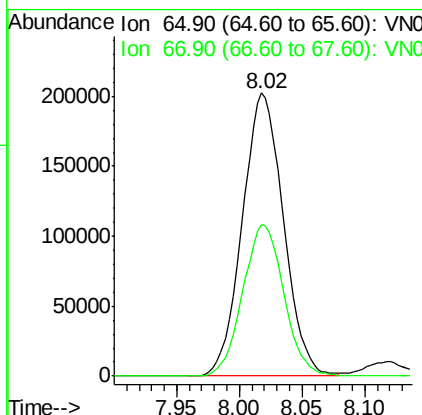
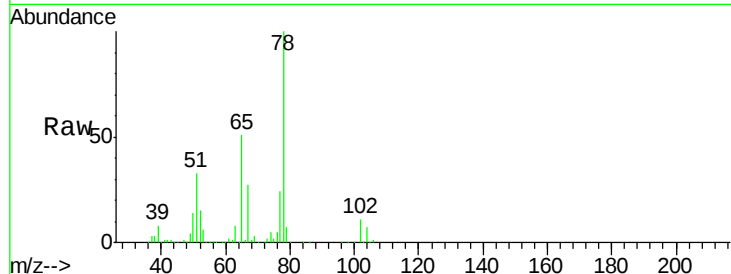
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.279 ug/l  
 RT: 8.02 min Scan# 1942  
 Delta R.T. 0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 461722 |       |       |
| 67      | 53.6  | 0.0    | 107.4 |       |

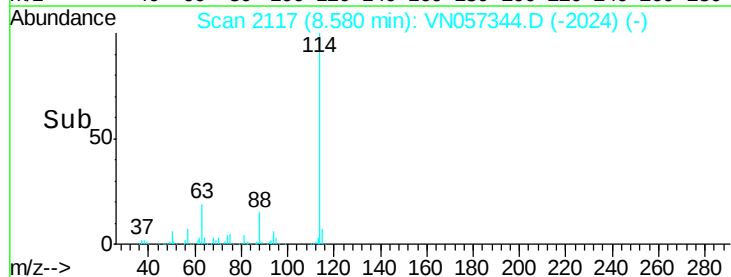
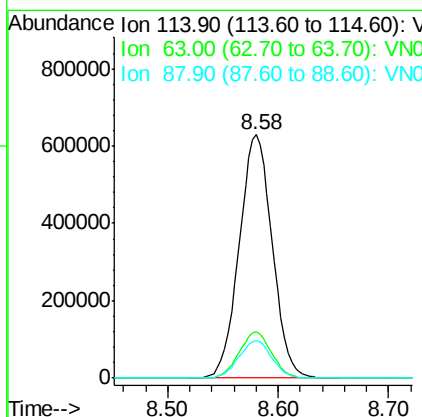
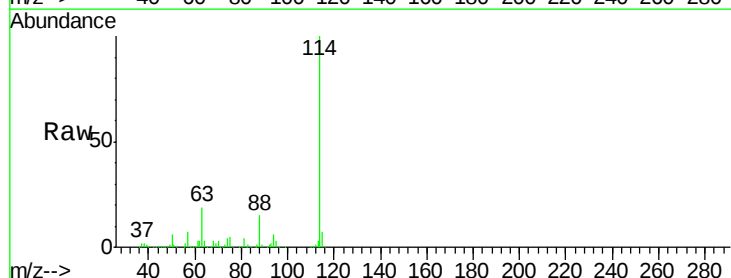
Manual Integrations  
 APPROVED

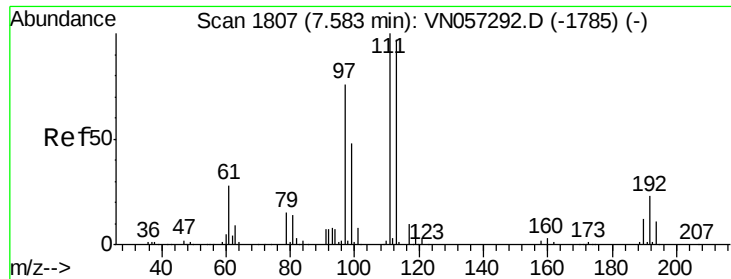
MMdadoda  
 8/19/2019 1:54:13 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2117  
 Delta R.T. 0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 114     | 100   | 1302864 |       |       |
| 63      | 18.9  | 0.0     | 38.8  |       |
| 88      | 15.2  | 0.0     | 31.4  |       |





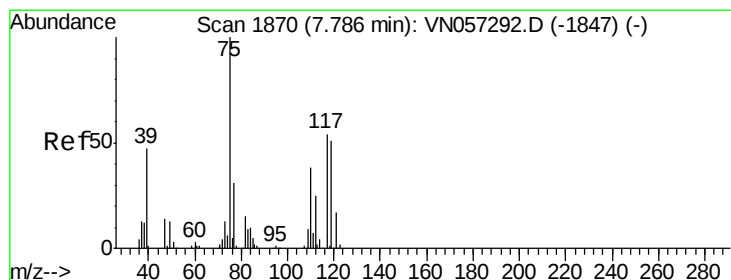
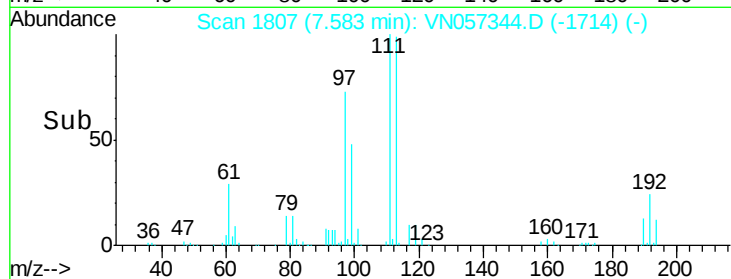
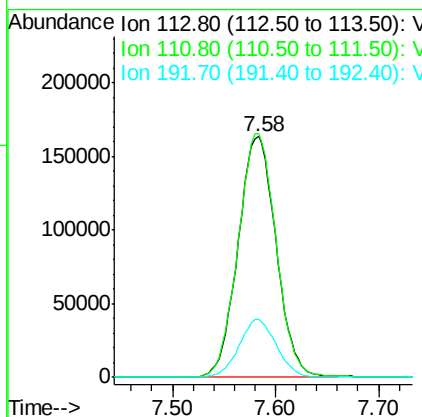
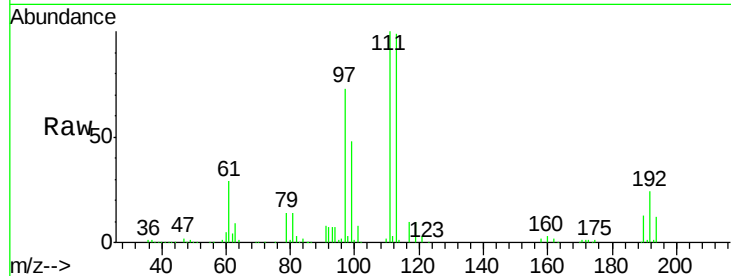
#35  
Dibromofluoromethane  
Concen: 49.169 ug/l  
RT: 7.58 min Scan# 1807  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 419928 |       |       |
| 111     | 101.1 | 82.1   | 123.1 |       |
| 192     | 23.6  | 19.3   | 28.9  |       |

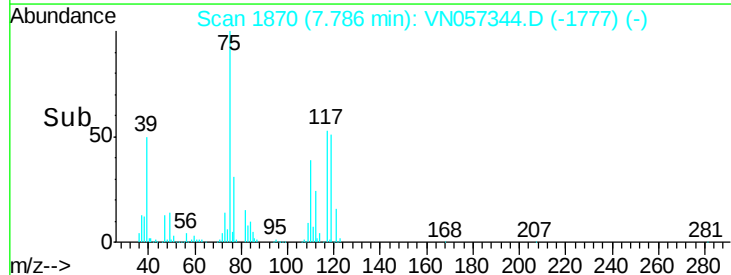
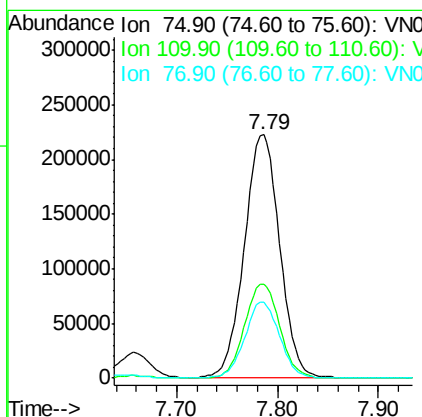
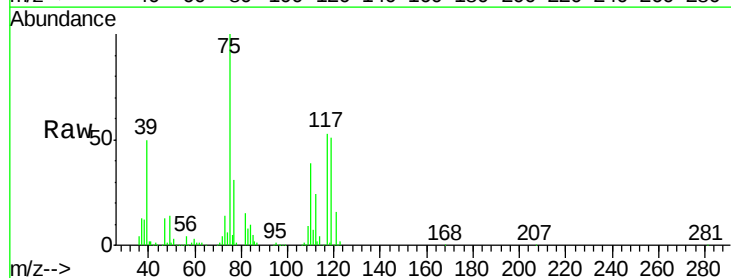
Manual Integrations  
APPROVED

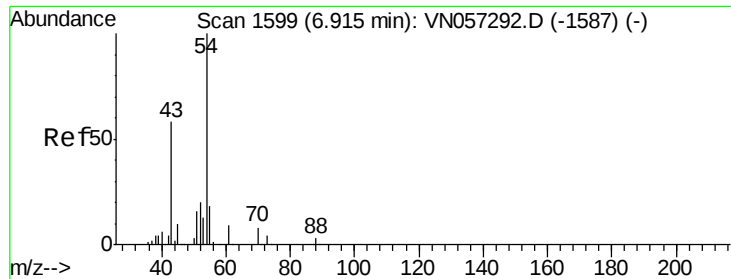
MMdadoda  
8/19/2019 1:54:13 AM



#36  
1,1-Dichloropropene  
Concen: 46.809 ug/l  
RT: 7.79 min Scan# 1870  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 538463 |       |       |
| 110     | 38.5  | 19.5   | 58.5  |       |
| 77      | 31.0  | 25.0   | 37.6  |       |





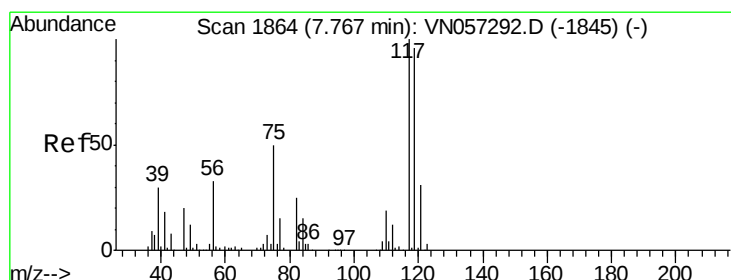
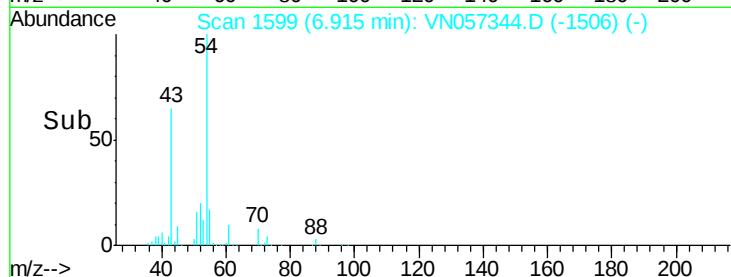
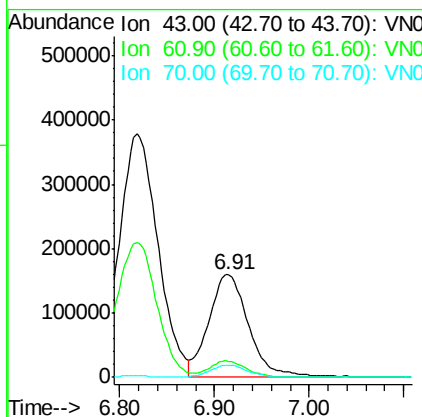
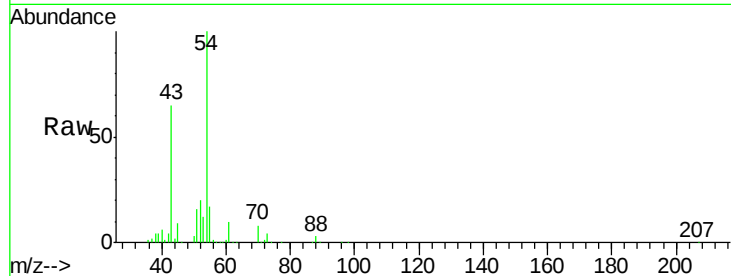
#37  
Ethyl Acetate  
Concen: 48.532 ug/l  
RT: 6.91 min Scan# 1599  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.3  | 12.0  | 18.0  |
| 70      | 11.2  | 9.2   | 13.8  |

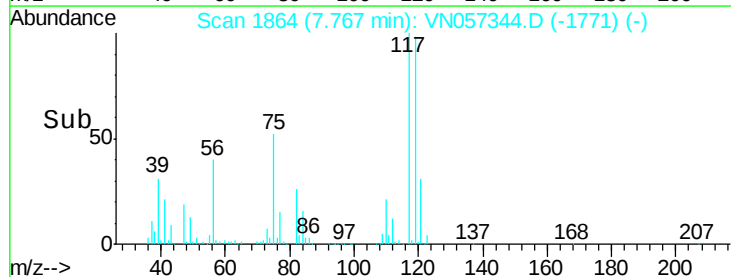
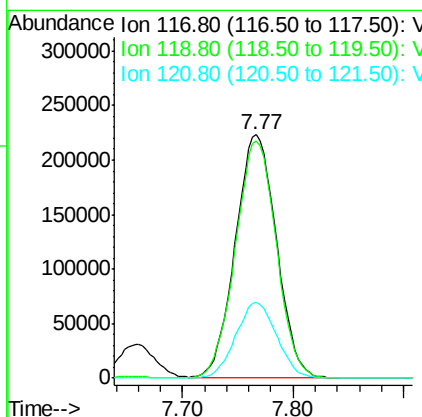
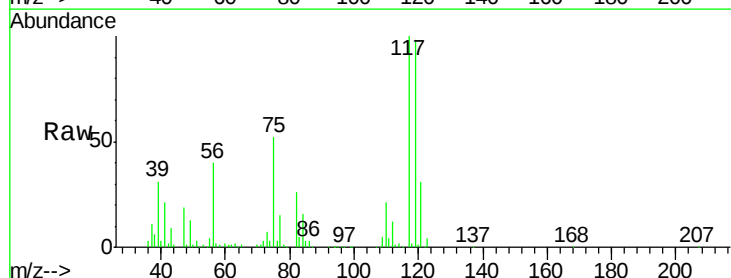
Manual Integrations  
APPROVED

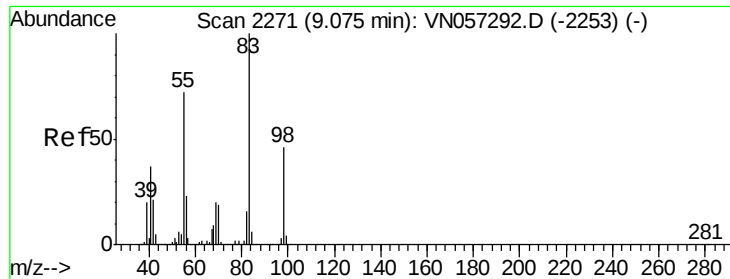
MMdadoda  
8/19/2019 1:54:13 AM



#38  
Carbon Tetrachloride  
Concen: 48.324 ug/l  
RT: 7.77 min Scan# 1864  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.5  | 76.8  | 115.2 |
| 121     | 31.0  | 25.0  | 37.4  |





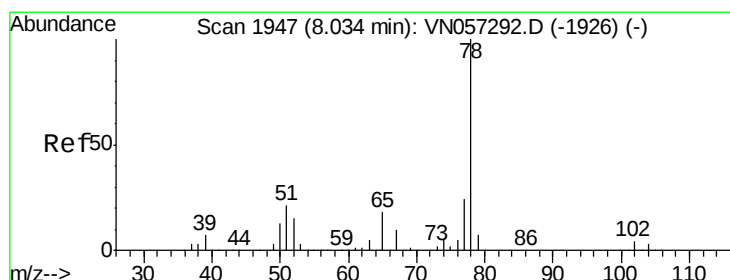
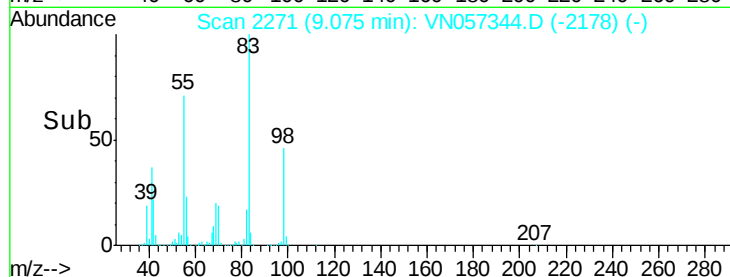
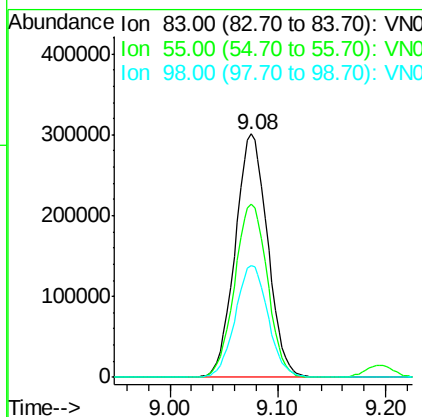
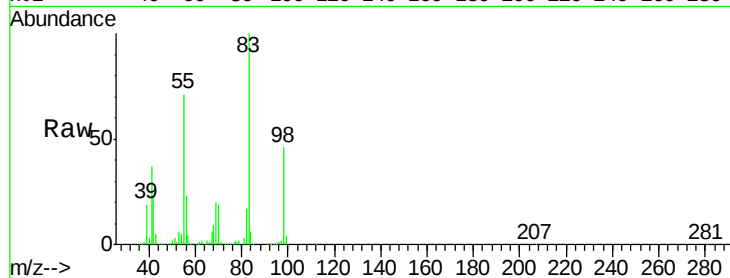
#39  
Methvlcvclohexane  
Concen: 46.928 ug/l  
RT: 9.08 min Scan# 2271  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 71.0  | 57.5  | 86.3  |
| 98      | 46.1  | 36.6  | 55.0  |

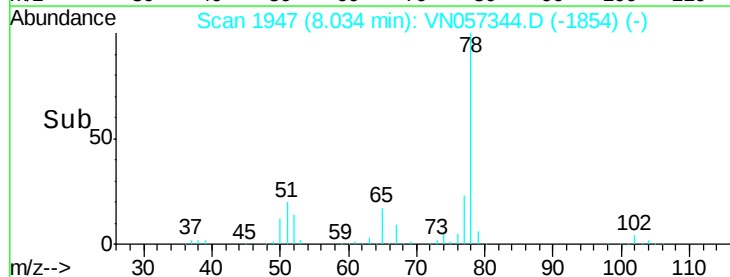
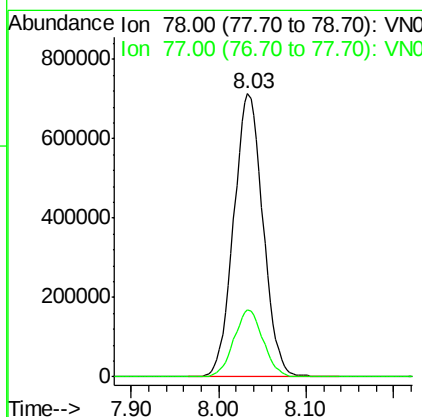
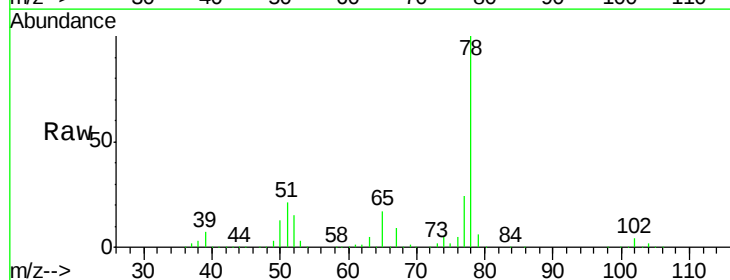
Manual Integrations  
APPROVED

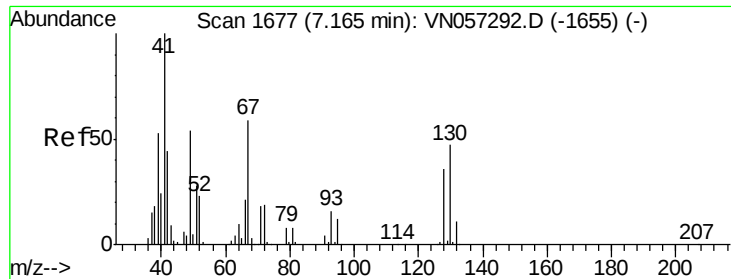
MMDadoda  
8/19/2019 1:54:13 AM



#40  
Benzene  
Concen: 47.217 ug/l  
RT: 8.03 min Scan# 1947  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 19.1  | 28.7  |





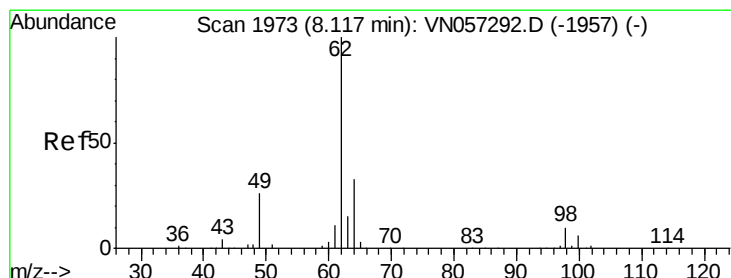
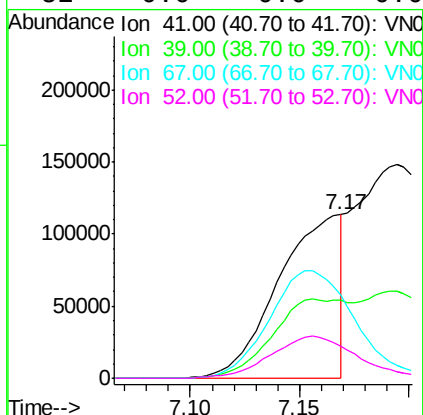
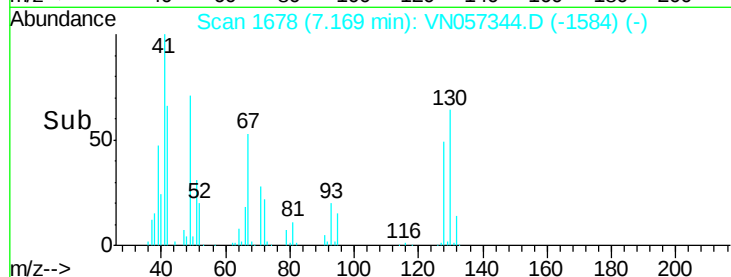
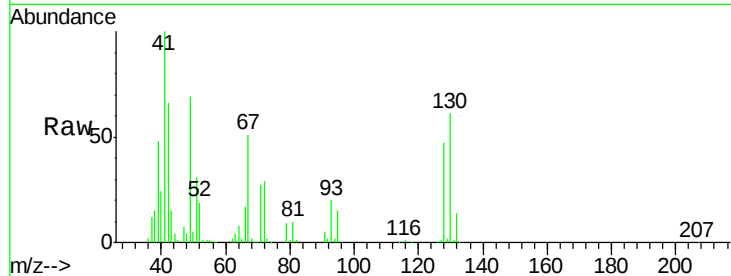
#41  
Methacrylonitrile  
Concen: 53.319 ug/l m  
RT: 7.17 min Scan# 1678  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 226230 |       |       |
| 39      | 0.0   | 0.0    | 0.0   | 0.0   |
| 67      | 0.0   | 0.0    | 0.0   | 0.0   |
| 52      | 0.0   | 0.0    | 0.0   | 0.0   |

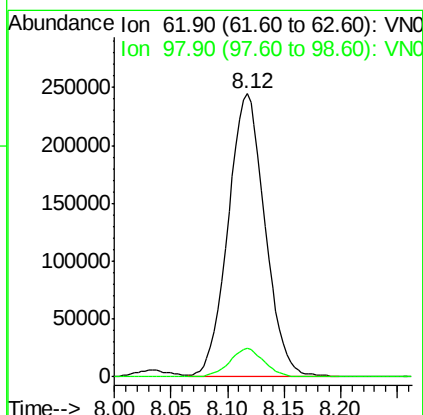
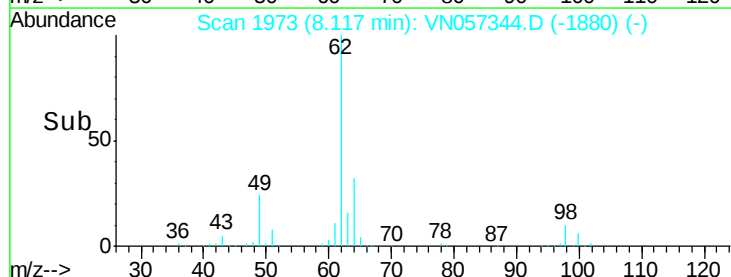
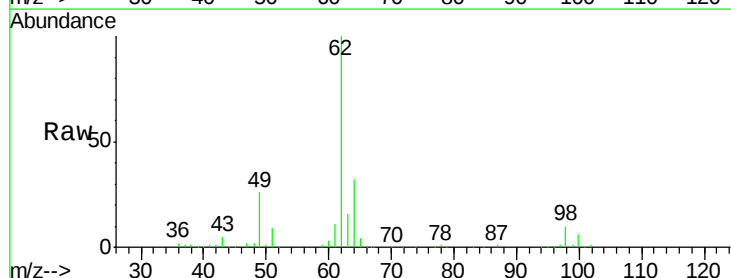
Manual Integrations  
APPROVED

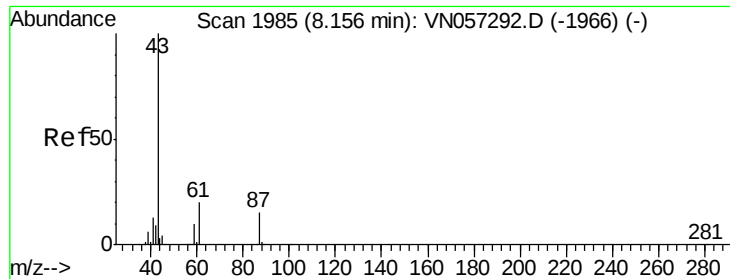
MMDadoda  
8/19/2019 1:54:13 AM



#42  
1,2-Dichloroethane  
Concen: 47.447 ug/l  
RT: 8.12 min Scan# 1973  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 62      | 100   | 552526 |       |       |
| 98      | 9.5   | 0.0    | 0.0   | 19.4  |





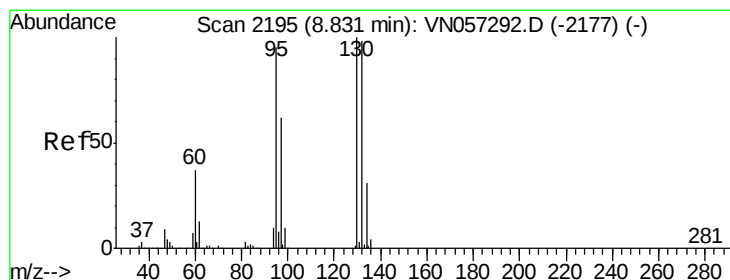
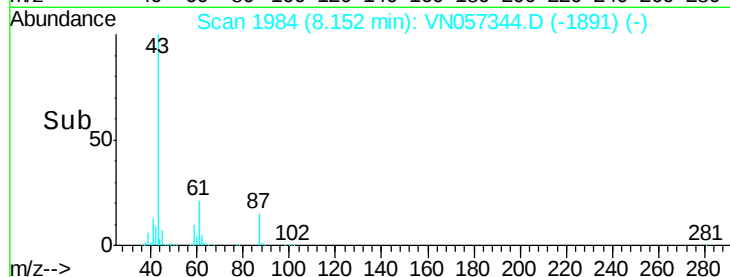
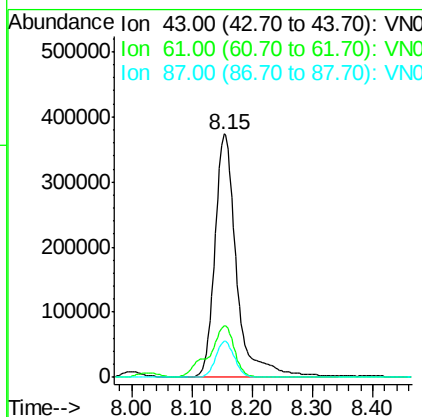
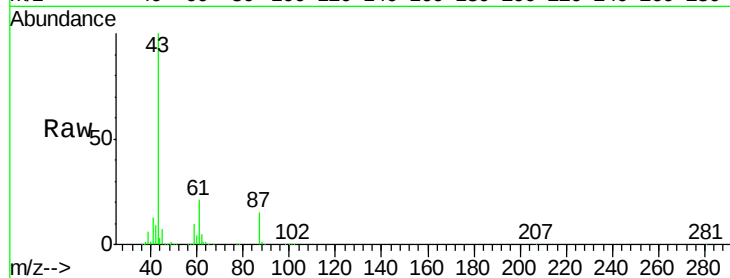
#43  
Isopropyl Acetate  
Concen: 53.351 ug/l  
RT: 8.15 min Scan# 1984  
Delta R.T. -0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 24.8  | 21.6  | 32.4  |
| 87      | 13.0  | 11.4  | 17.0  |

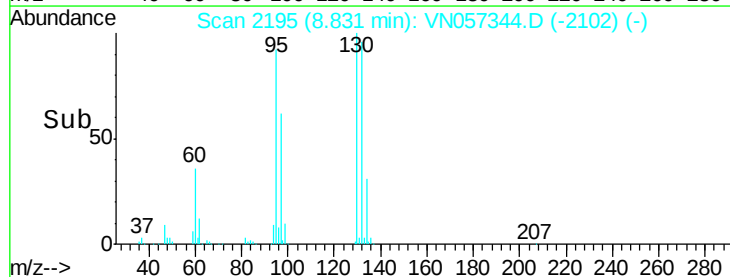
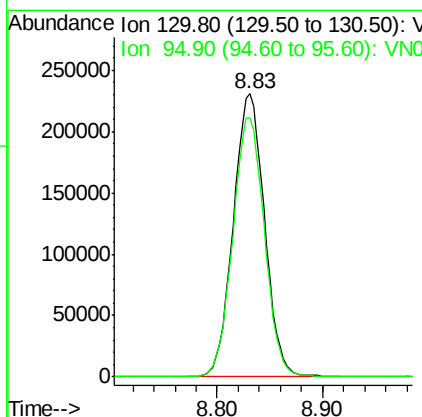
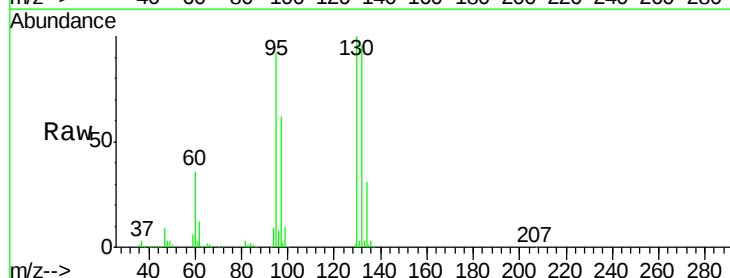
Manual Integrations  
APPROVED

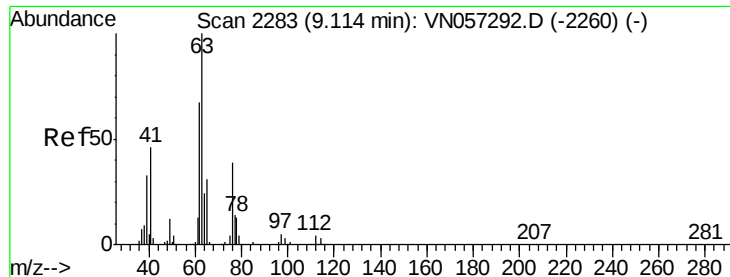
MMDadoda  
8/19/2019 1:54:13 AM



#44  
Trichloroethene  
Concen: 47.885 ug/l  
RT: 8.83 min Scan# 2195  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 91.5  | 0.0   | 189.2 |





#45

1,2-Dichloropropane

Concen: 48.176 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 436923

Ion Ratio Lower Upper

63 100

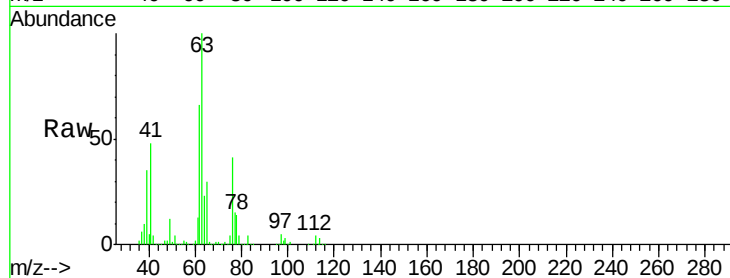
65 30.3 24.8 37.2

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:54:13 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.11

250000

200000

150000

100000

50000

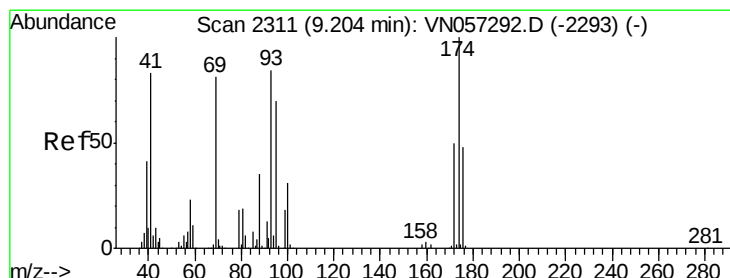
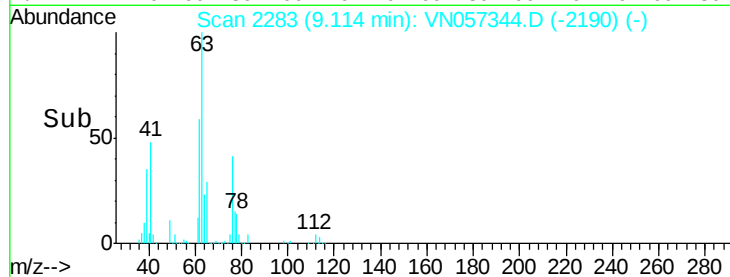
0

Time-->

9.00

9.10

9.20



#46

Dibromomethane

Concen: 47.974 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

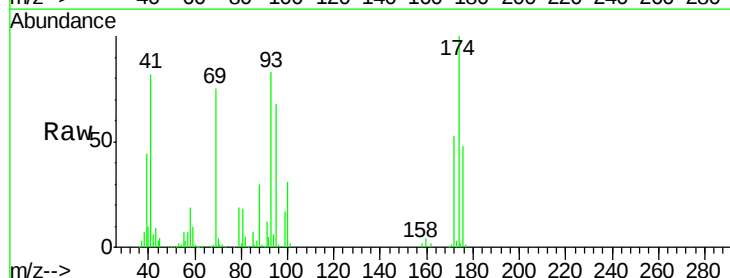
Tgt Ion: 93 Resp: 290260

Ion Ratio Lower Upper

93 100

95 82.9 66.5 99.7

174 120.0 95.7 143.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

200000

150000

100000

50000

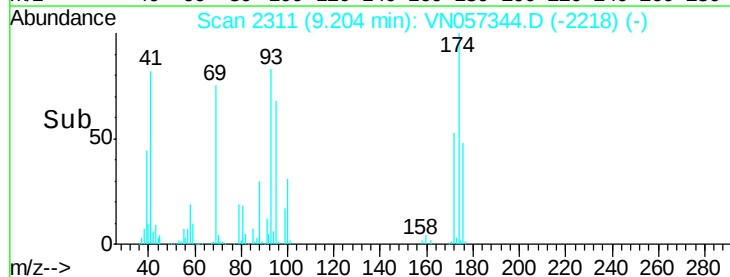
0

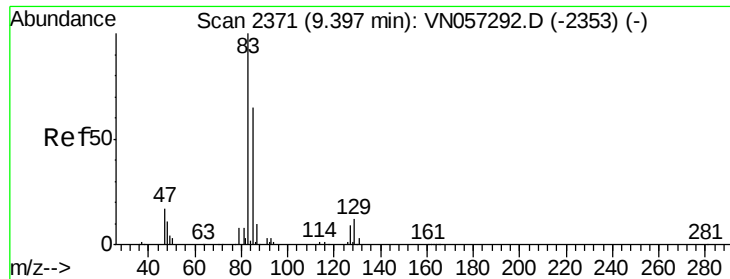
Time-->

9.10

9.20

9.30





#47

Bromodichloromethane

Concen: 48.990 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

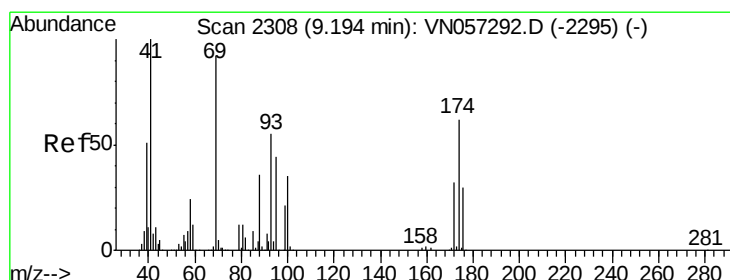
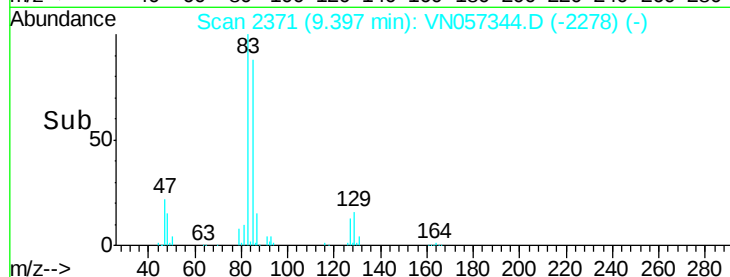
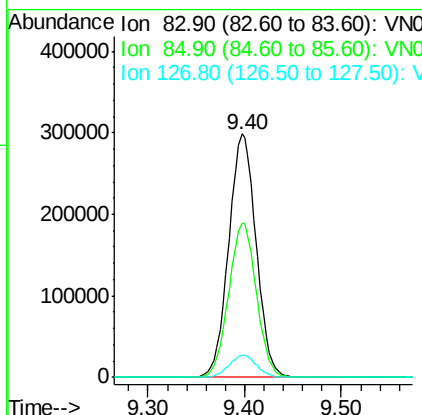
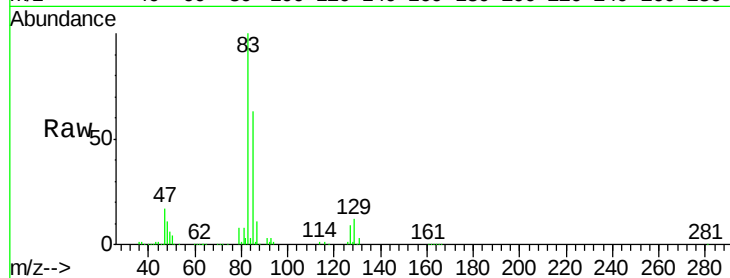
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 587274 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.5  | 51.9  | 77.9   |
| 127       | 9.2   | 7.2   | 10.8   |

Manual Integrations  
APPROVED

MMdadoda  
8/19/2019 1:54:13 AM



#48

Methyl methacrylate

Concen: 47.276 ug/l

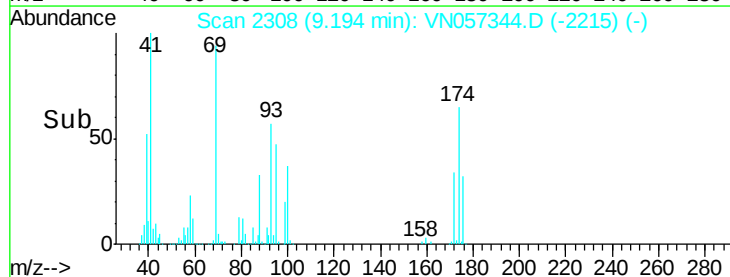
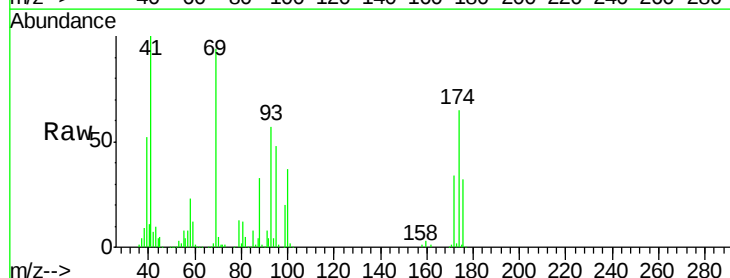
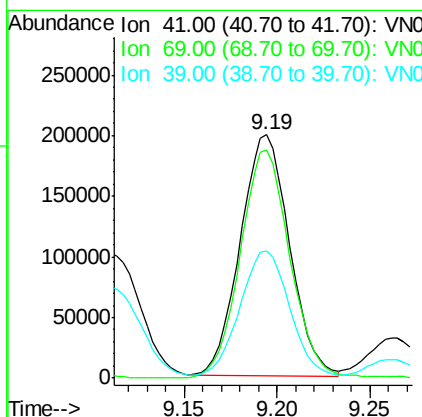
RT: 9.19 min Scan# 2308

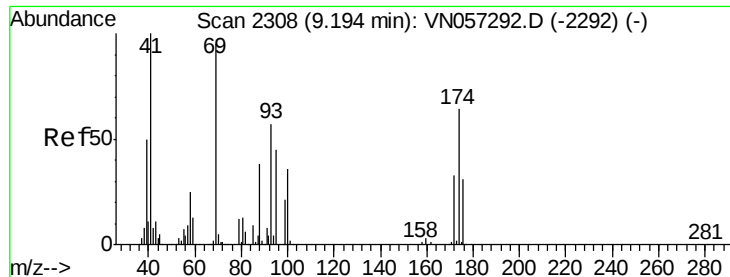
Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 366799 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 96.3  | 75.9  | 113.9  |
| 39        | 54.4  | 42.3  | 63.5   |





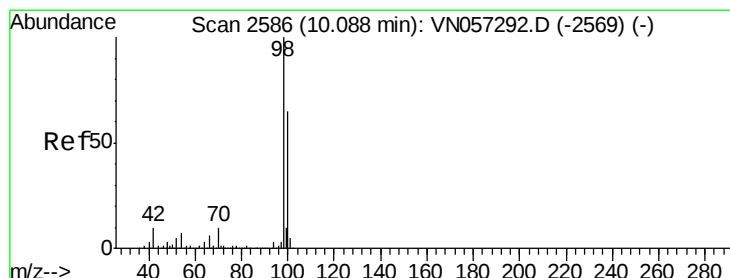
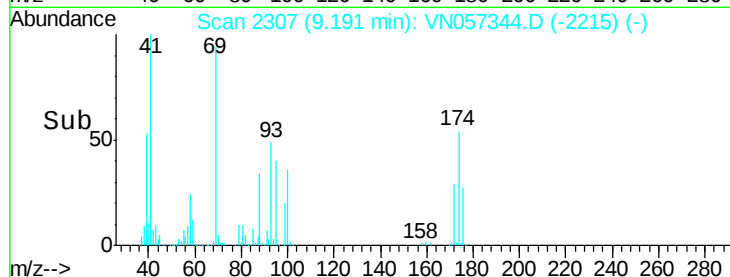
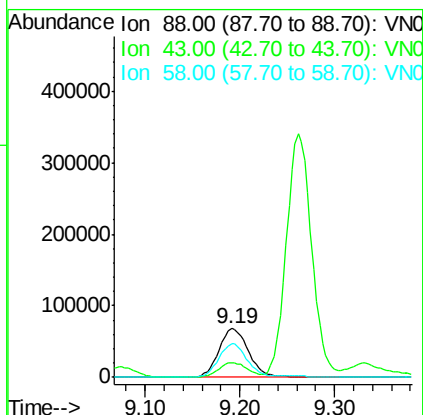
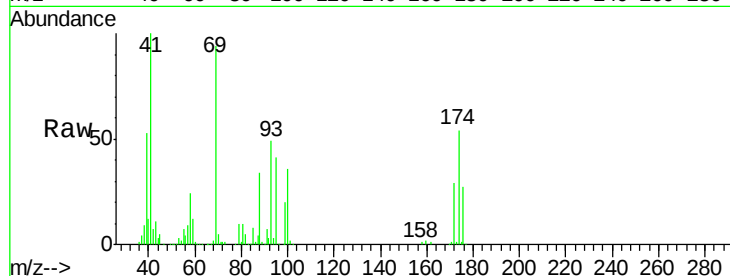
#49  
 1,4-Dioxane  
 Concen: 918.755 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. -0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 27.8  | 22.9  | 34.3  |
| 58      | 65.3  | 52.7  | 79.1  |

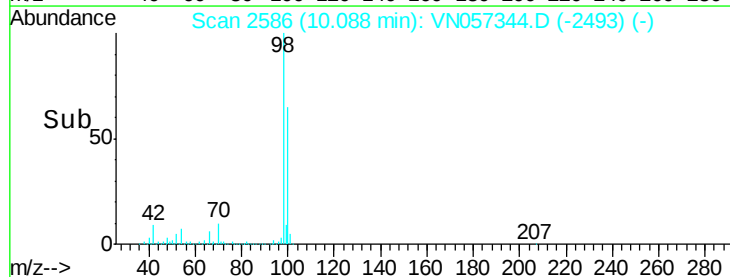
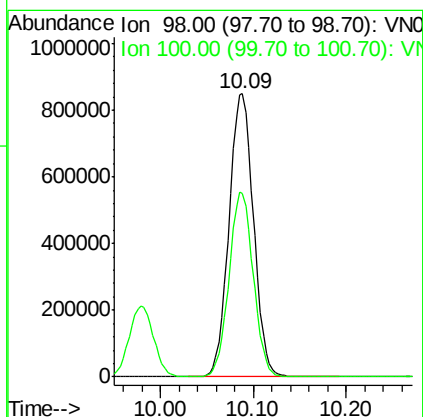
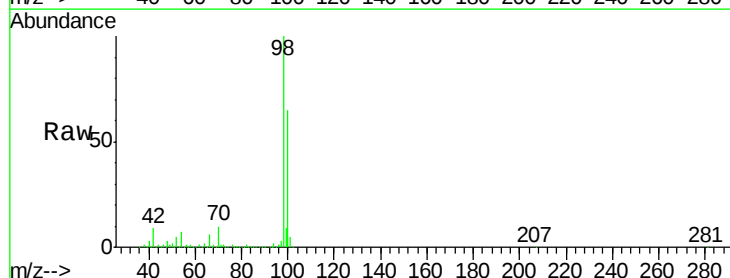
Manual Integrations  
 APPROVED

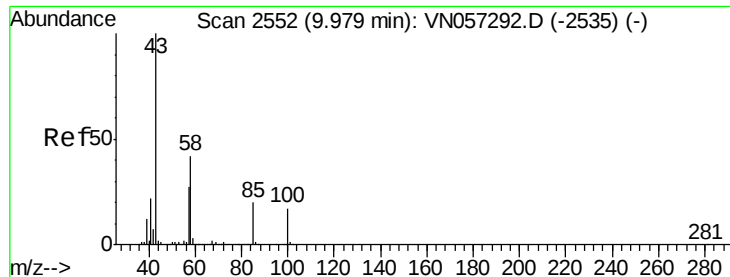
MMDadoda  
 8/19/2019 1:54:13 AM



#50  
 Toluene-d8  
 Concen: 49.754 ug/l  
 RT: 10.09 min Scan# 2586  
 Delta R.T. 0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.7  | 51.9  | 77.9  |





#51

4-Methyl-2-Pentanone

Concen: 232.908 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2263861

Ion Ratio Lower Upper

43 100

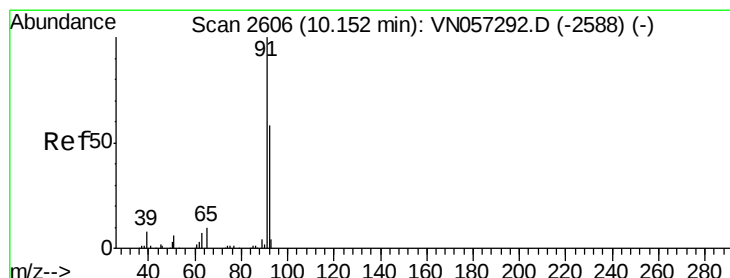
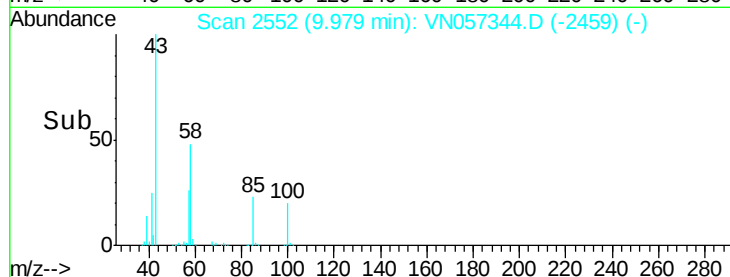
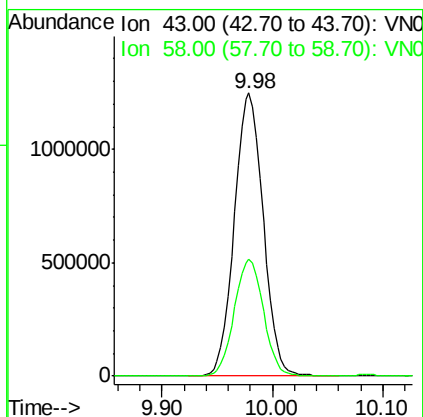
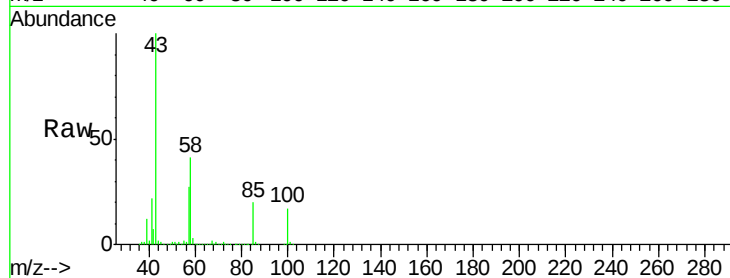
58 41.8 33.2 49.8

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:54:13 AM



#52

Toluene

Concen: 48.379 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057344.D

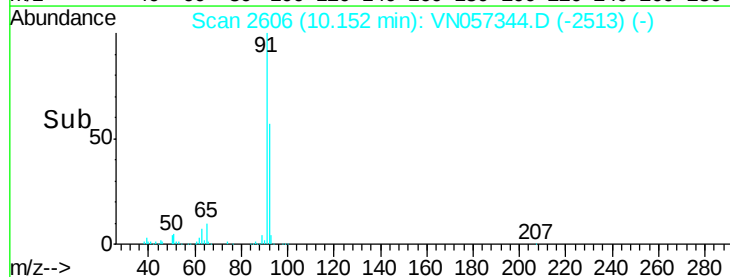
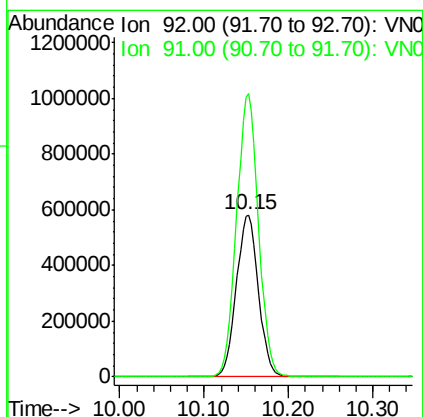
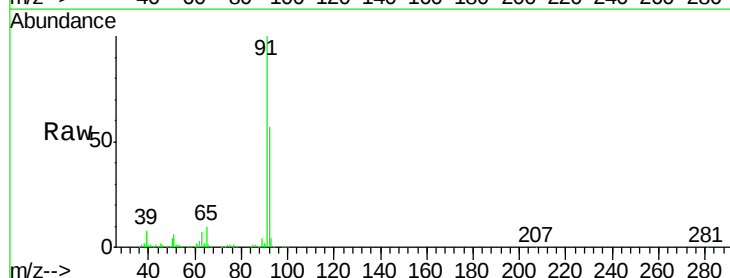
Acq: 15 Aug 2019 20:19

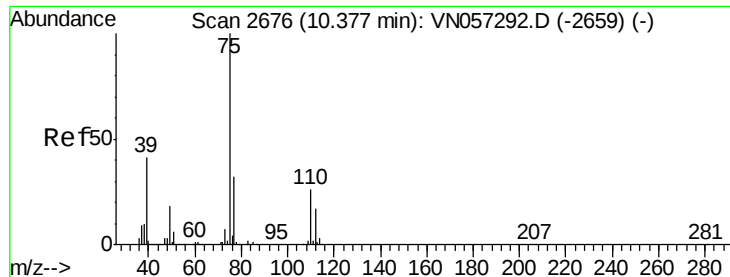
Tgt Ion: 92 Resp: 1059505

Ion Ratio Lower Upper

92 100

91 174.1 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 48.128 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 624060

Ion Ratio Lower Upper

75 100

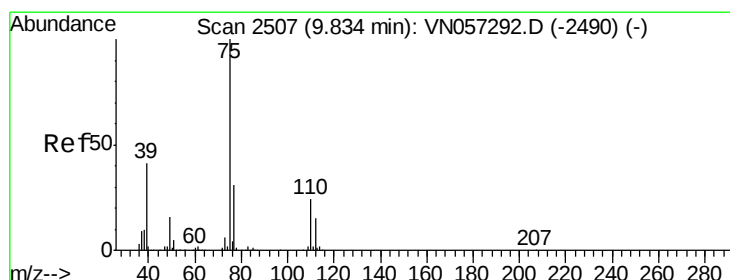
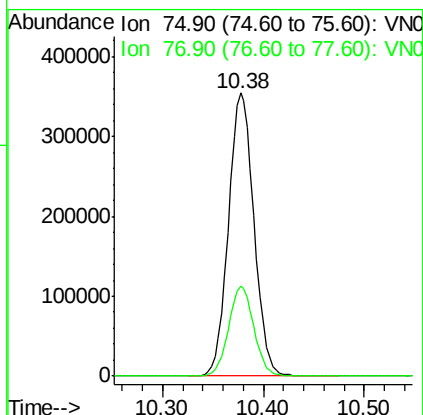
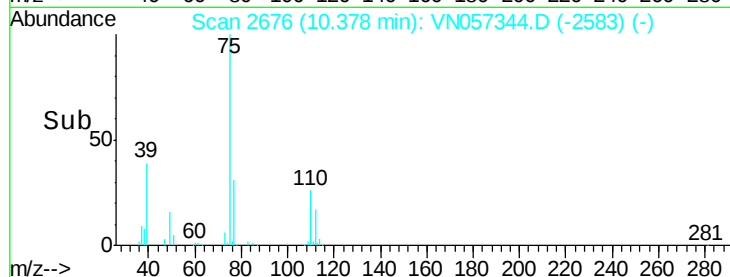
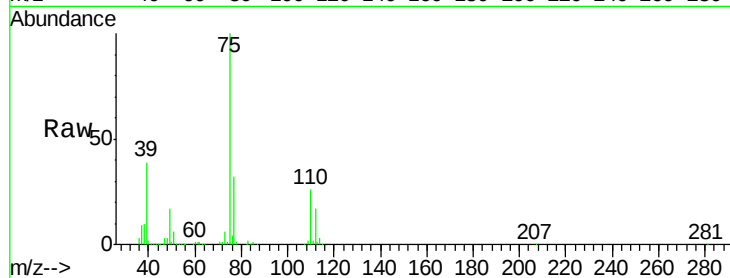
77 31.6 25.5 38.3

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:54:13 AM



#54

cis-1,3-Dichloropropene

Concen: 48.020 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

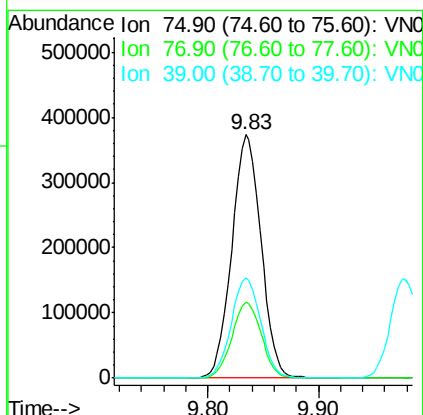
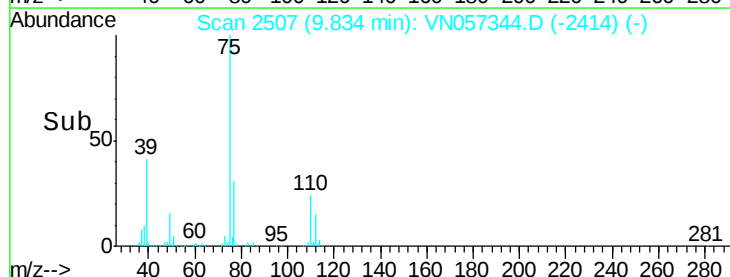
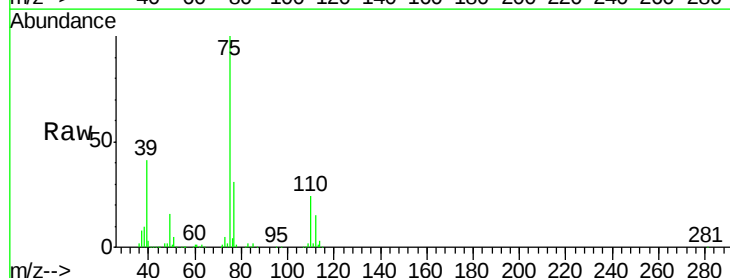
Tgt Ion: 75 Resp: 686613

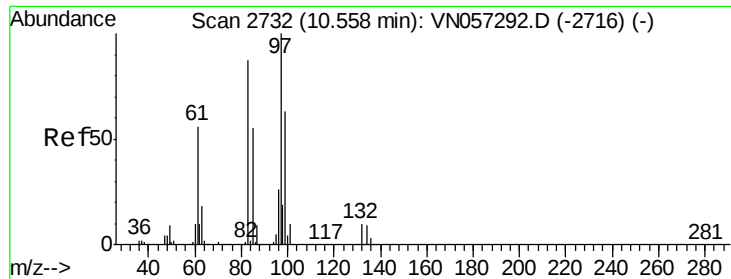
Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3

39 41.2 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 48.433 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

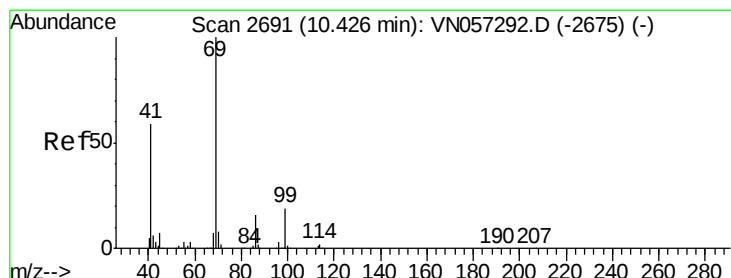
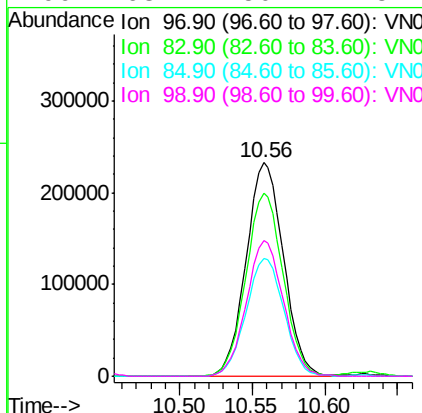
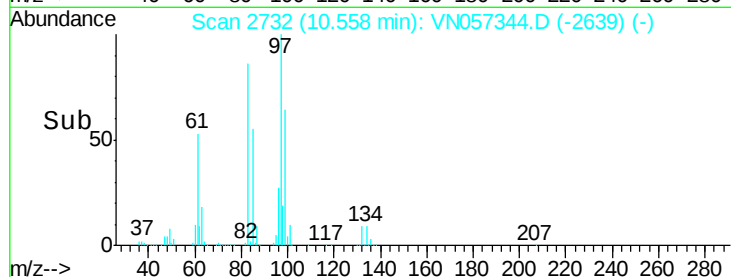
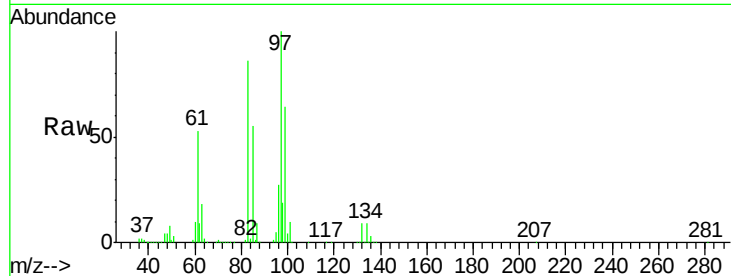
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 417084 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.8  | 69.8  | 104.8  |
| 85       | 55.4  | 44.1  | 66.1   |
| 99       | 63.7  | 50.2  | 75.2   |

Manual Integrations  
APPROVED

MMdadoda  
8/19/2019 1:54:13 AM



#56

Ethyl methacrylate

Concen: 49.372 ug/l

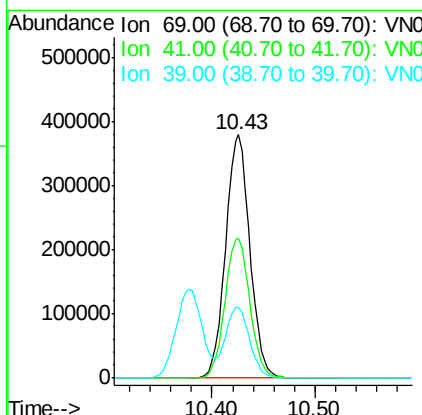
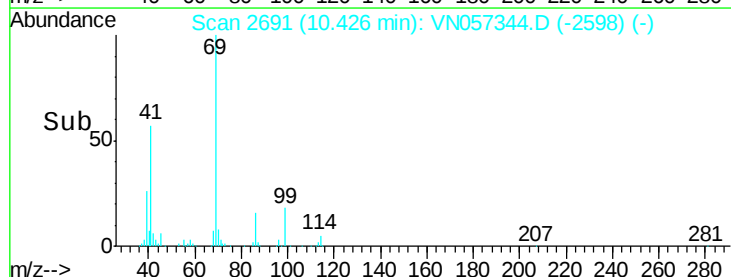
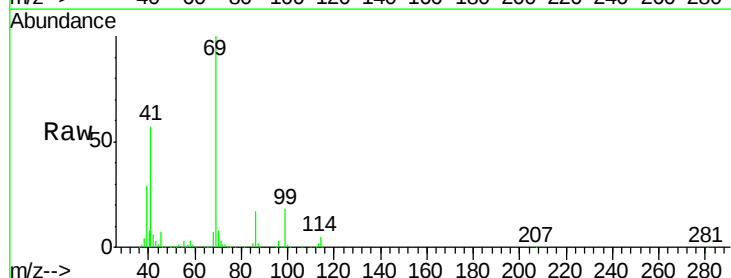
RT: 10.43 min Scan# 2691

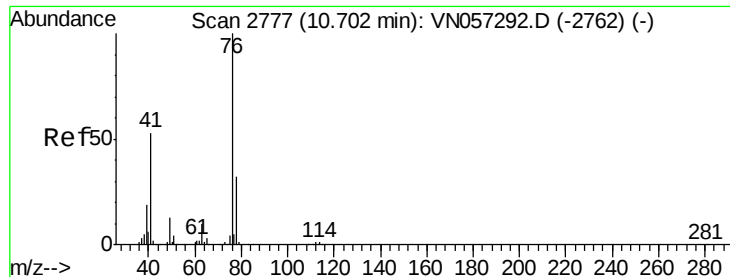
Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 620465 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 58.5  | 48.2  | 72.2   |
| 39       | 29.0  | 23.4  | 35.0   |





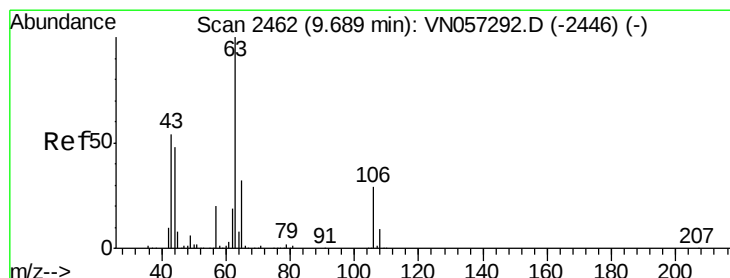
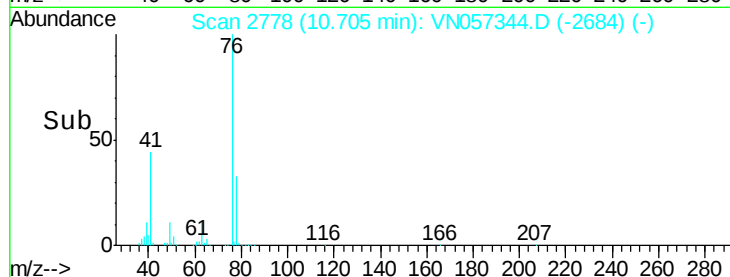
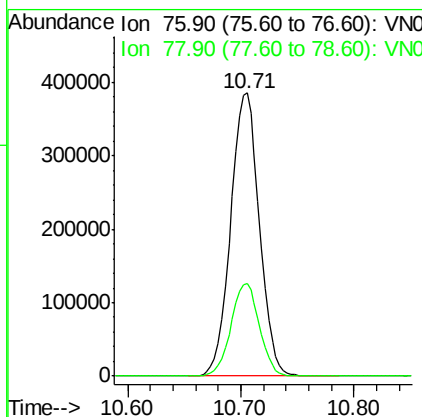
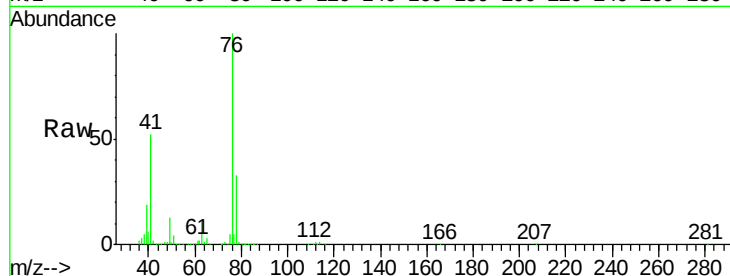
#57  
 1,3-Dichloropropane  
 Concen: 47.245 ug/l  
 RT: 10.71 min Scan# 2778  
 Delta R.T. 0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 679667  
 Ion Ratio Lower Upper  
 76 100  
 78 32.5 25.6 38.4

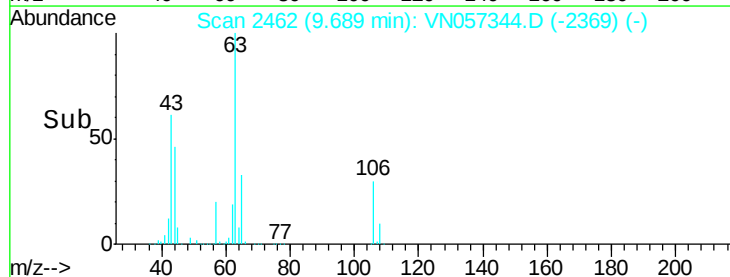
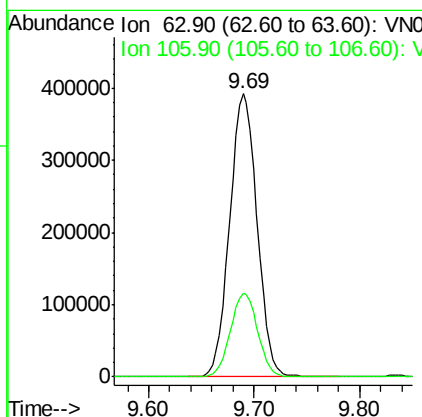
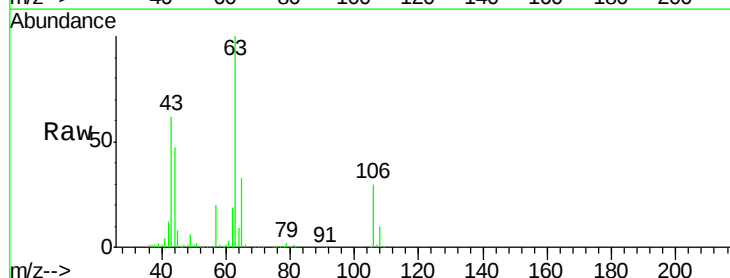
Manual Integrations  
 APPROVED

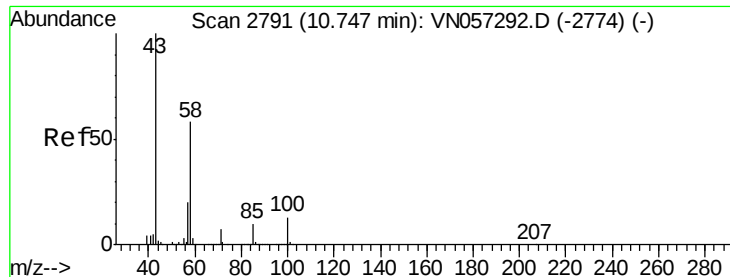
MMdadoda  
 8/19/2019 1:54:13 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 193.102 ug/l  
 RT: 9.69 min Scan# 2462  
 Delta R.T. 0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

Tgt Ion: 63 Resp: 704146  
 Ion Ratio Lower Upper  
 63 100  
 106 29.4 23.2 34.8





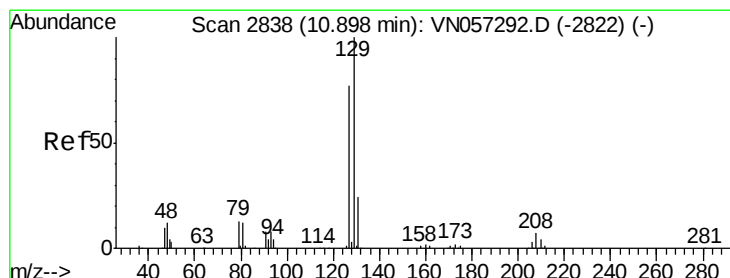
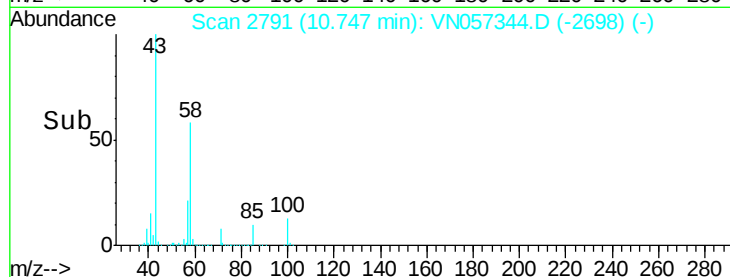
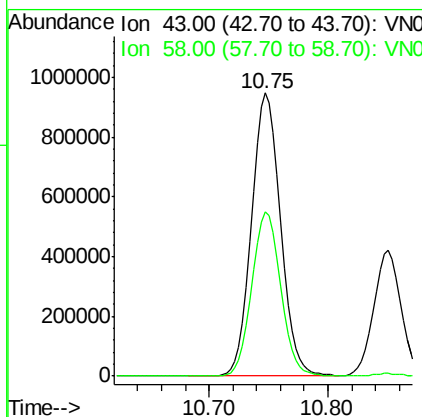
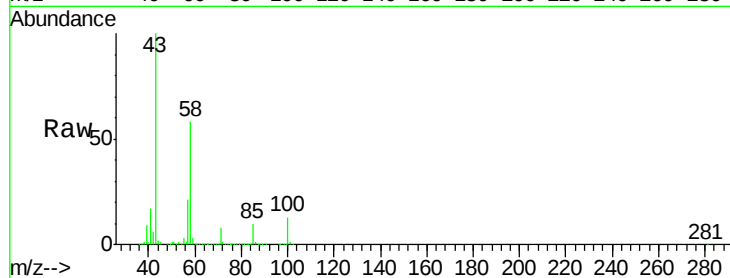
#59  
2-Hexanone  
Concen: 228.940 ug/l  
RT: 10.75 min Scan# 2791  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1599818  
Ion Ratio Lower Upper  
43 100  
58 58.1 28.6 85.9

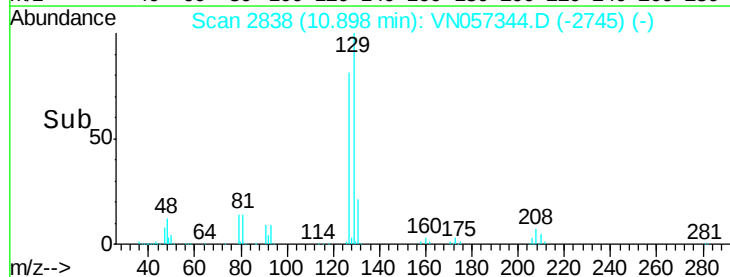
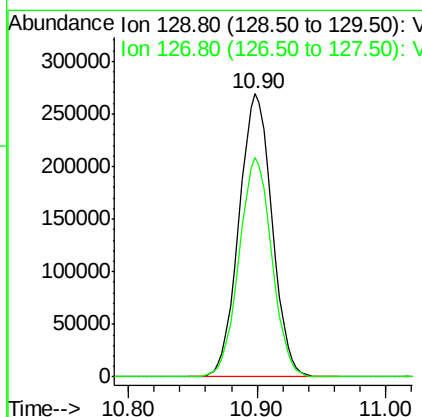
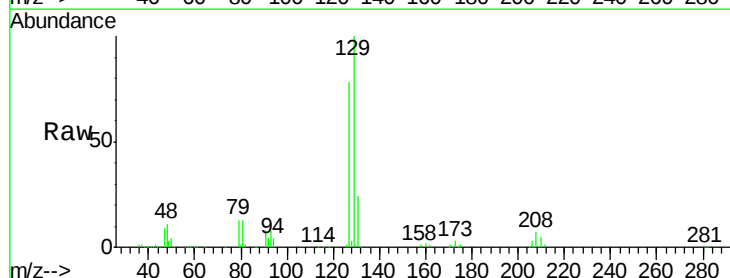
Manual Integrations  
APPROVED

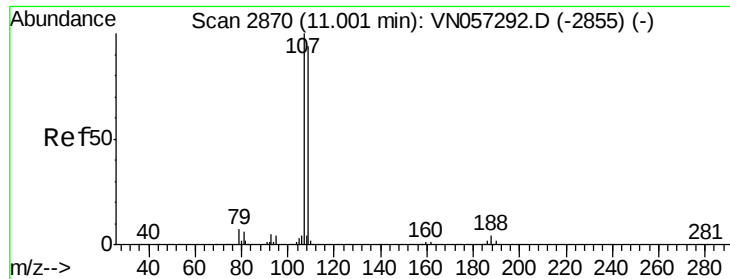
MMDadoda  
8/19/2019 1:54:13 AM



#60  
Dibromochloromethane  
Concen: 49.754 ug/l  
RT: 10.90 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Tgt Ion: 129 Resp: 480142  
Ion Ratio Lower Upper  
129 100  
127 76.7 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.224 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 442380

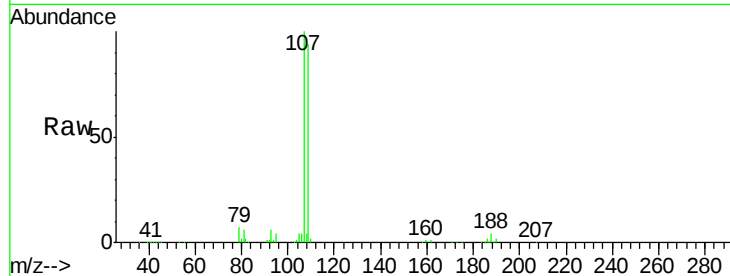
Ion Ratio Lower Upper

107 100

109 94.5 75.7 113.5

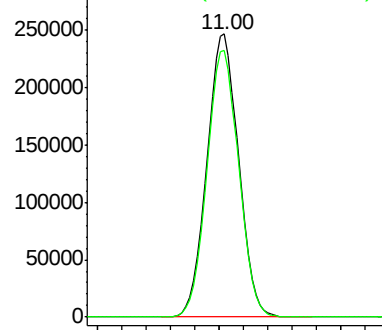
Manual Integrations  
APPROVED

MMdadoda  
8/19/2019 1:54:13 AM

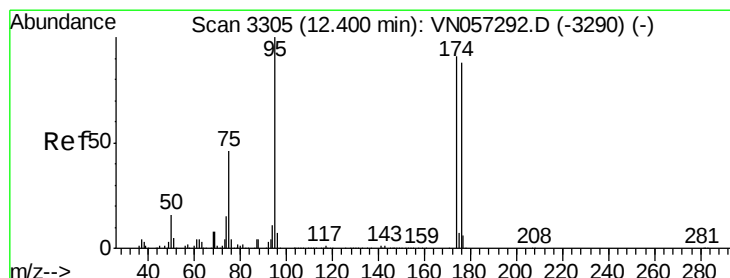
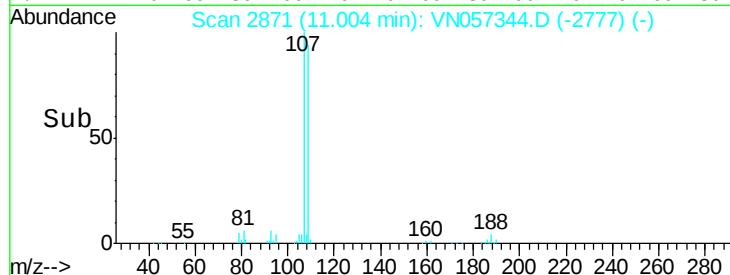


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.894 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

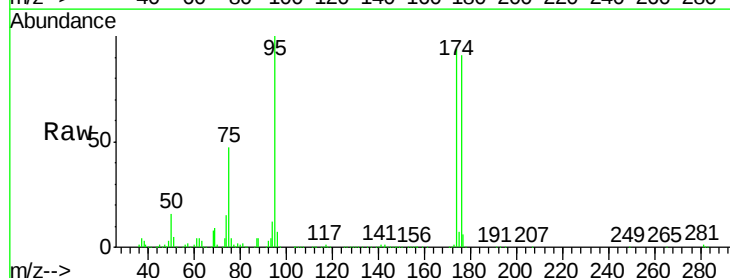
Tgt Ion: 95 Resp: 528698

Ion Ratio Lower Upper

95 100

174 93.3 0.0 185.0

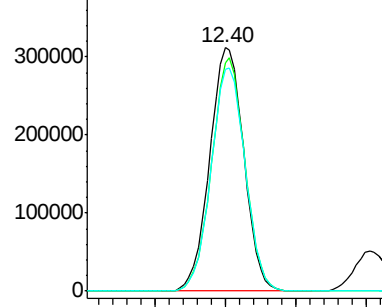
176 91.6 0.0 181.0



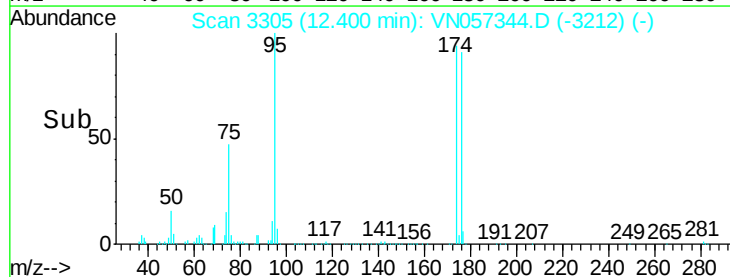
Abundance Ion 94.90 (94.60 to 95.60): V

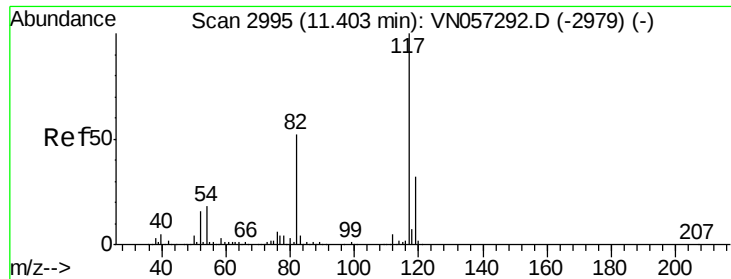
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.35 12.40 12.45





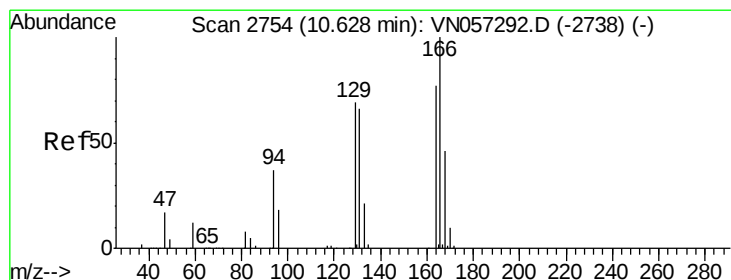
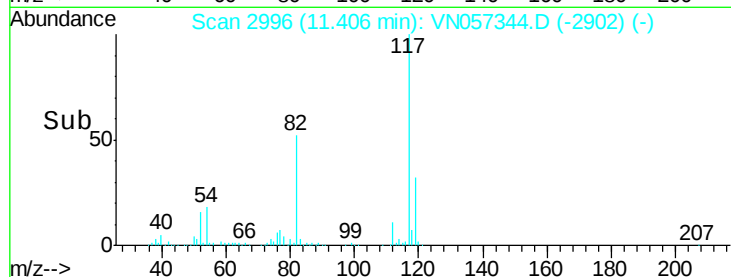
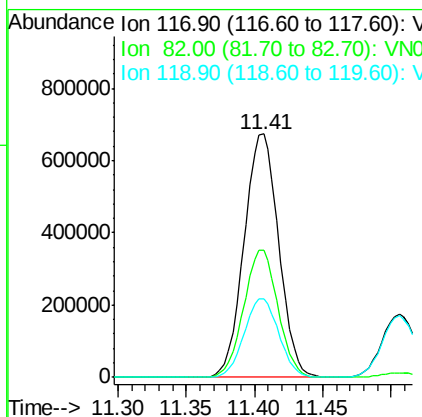
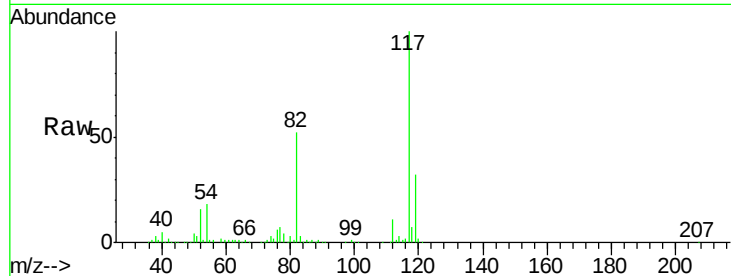
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.2  | 41.2  | 61.8  |
| 119     | 32.3  | 25.8  | 38.8  |

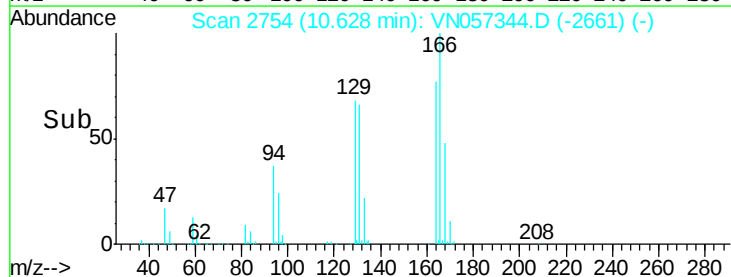
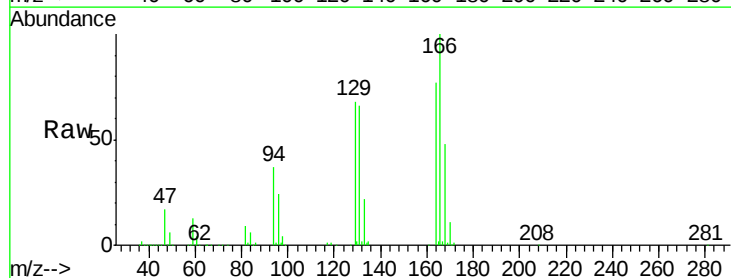
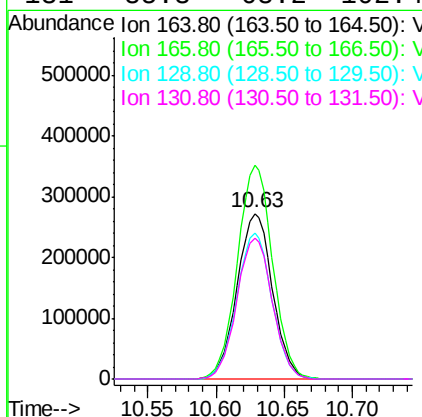
Manual Integrations  
APPROVED

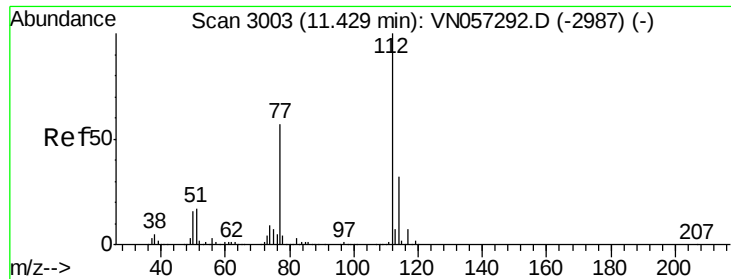
MMdadoda  
8/19/2019 1:54:13 AM



#64  
Tetrachloroethene  
Concen: 47.786 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.1 | 103.5 | 155.3 |
| 129     | 88.1  | 71.2  | 106.8 |
| 131     | 85.3  | 68.2  | 102.4 |





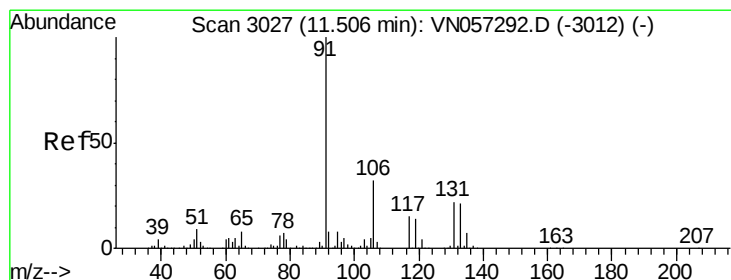
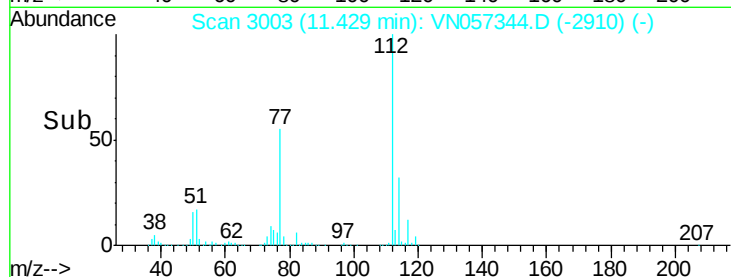
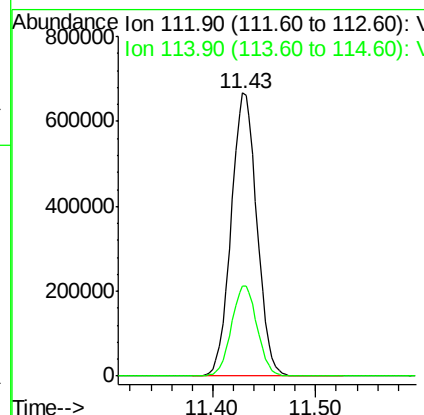
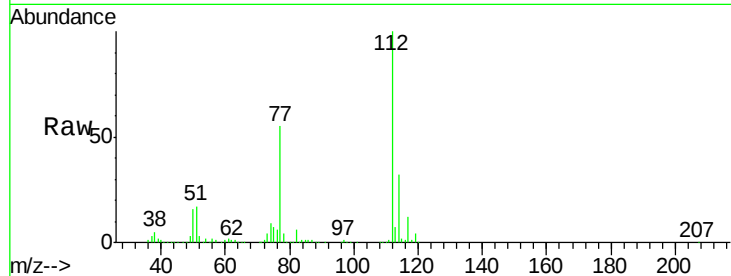
#65  
Chlorobenzene  
Concen: 47.969 ug/l  
RT: 11.43 min Scan# 3003  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 1159621  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.7 38.5

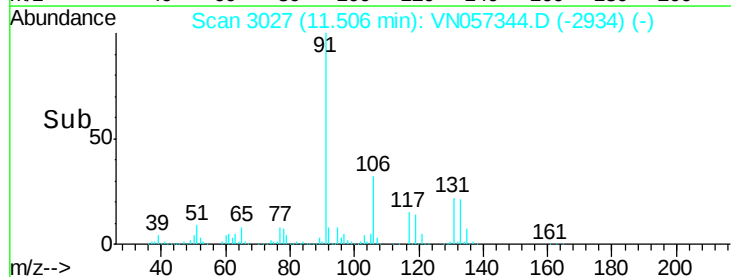
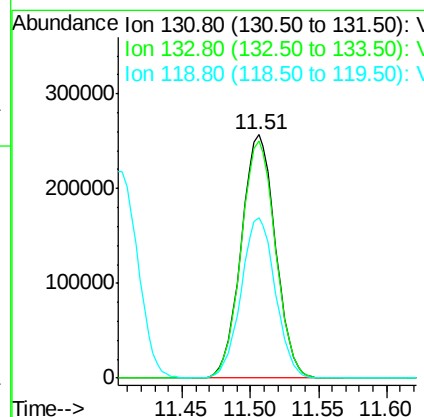
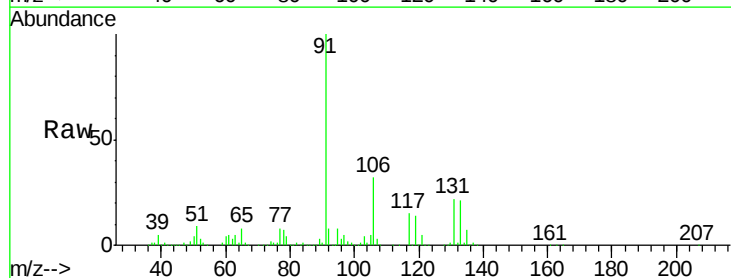
Manual Integrations  
APPROVED

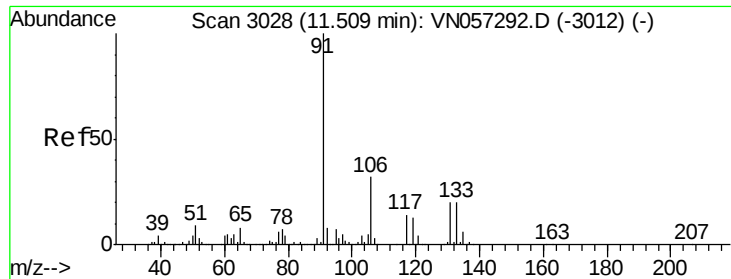
MMdadoda  
8/19/2019 1:54:13 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.276 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Tgt Ion:131 Resp: 446948  
Ion Ratio Lower Upper  
131 100  
133 97.6 47.6 142.8  
119 66.0 32.0 96.2





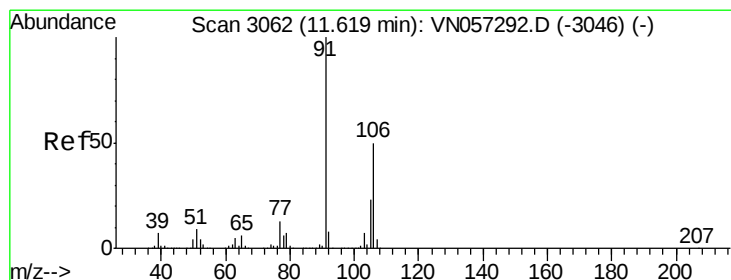
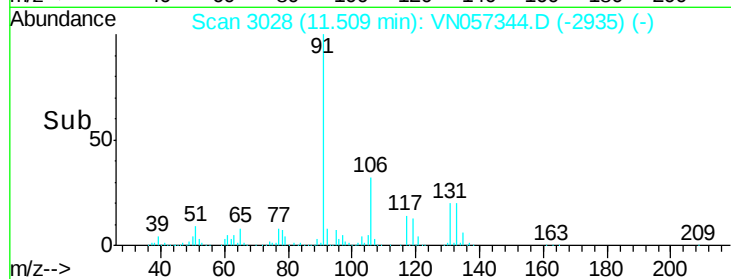
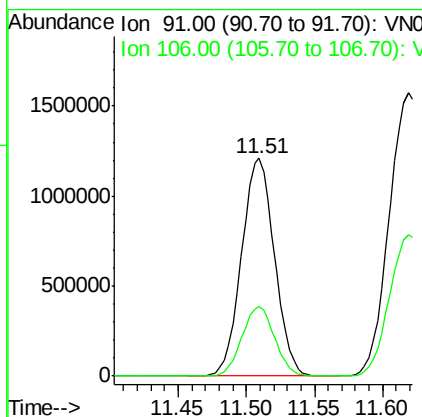
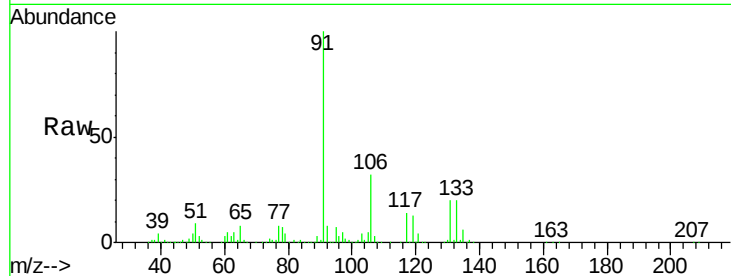
#67  
Ethyl Benzene  
Concen: 47.928 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 2027052  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.5 38.3

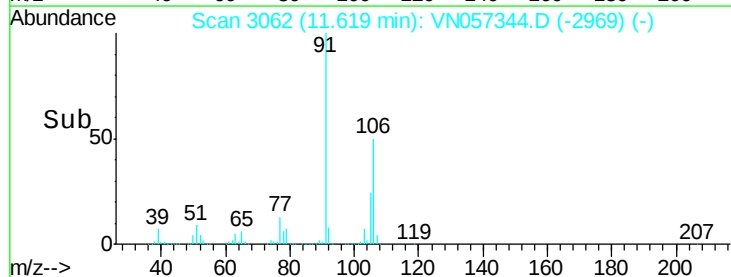
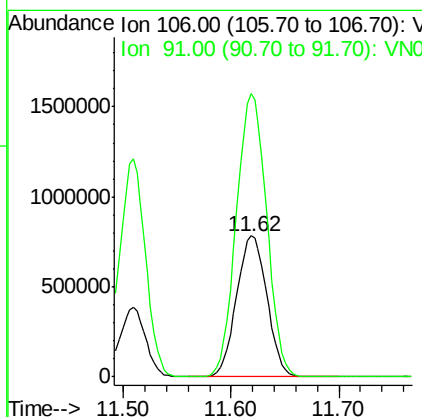
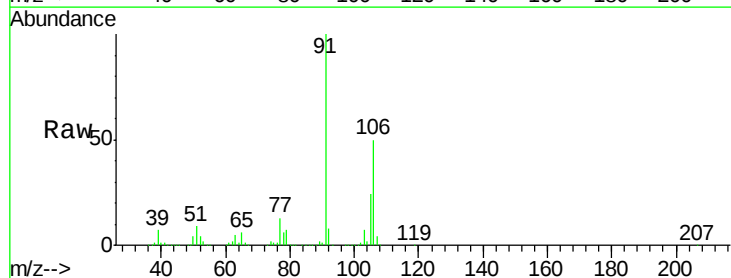
Manual Integrations  
APPROVED

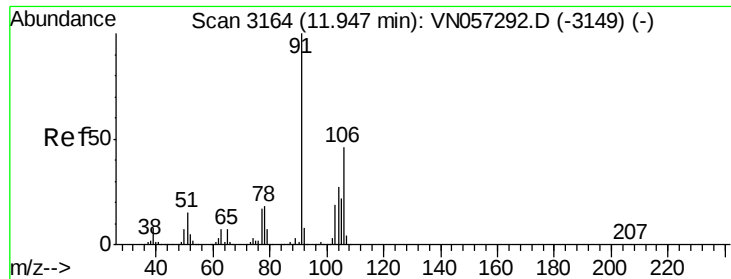
MMdadoda  
8/19/2019 1:54:13 AM



#68  
m/p-Xylenes  
Concen: 98.254 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Tgt Ion: 106 Resp: 1531063  
Ion Ratio Lower Upper  
106 100  
91 200.1 161.5 242.3





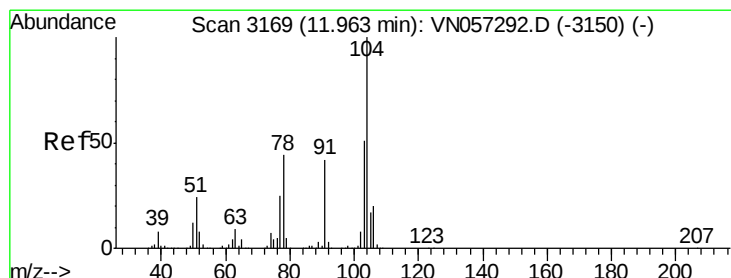
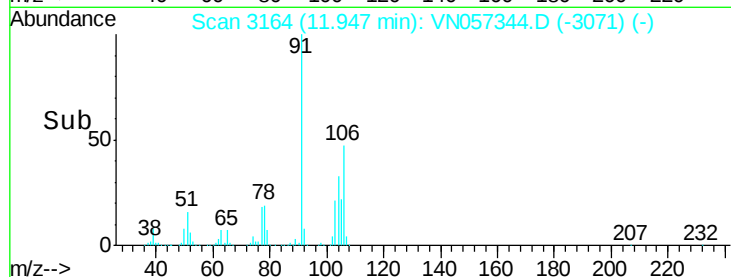
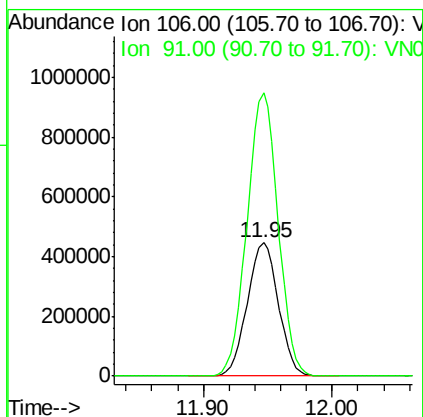
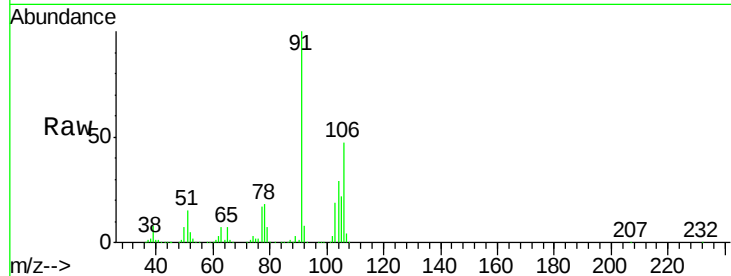
#69  
o-Xylene  
Concen: 49.201 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 211.1 | 106.3 | 319.0 |       |

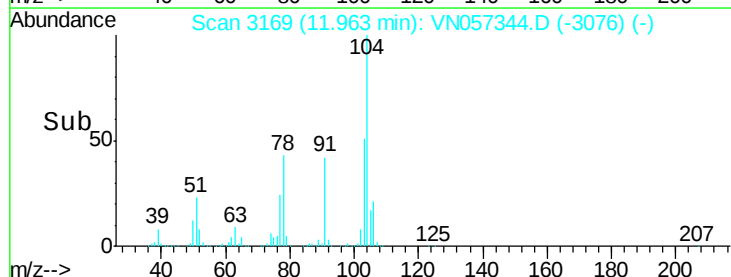
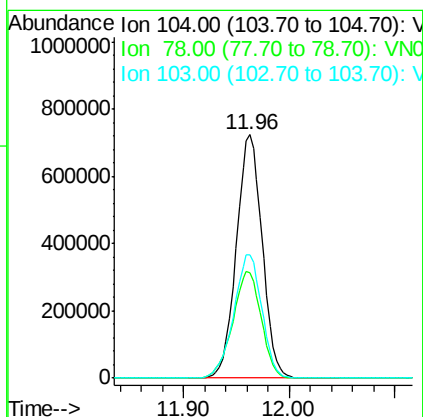
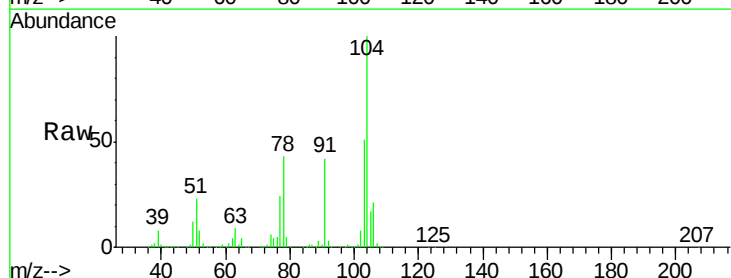
Manual Integrations  
APPROVED

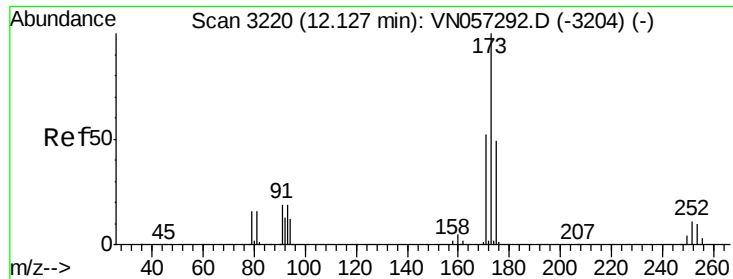
MMdadoda  
8/19/2019 1:54:13 AM



#70  
Styrene  
Concen: 50.193 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 48.4 | 39.2  | 58.8  |       |
| 103     | 55.2 | 44.6  | 66.8  |       |





#71

Bromoform

Concen: 49.504 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

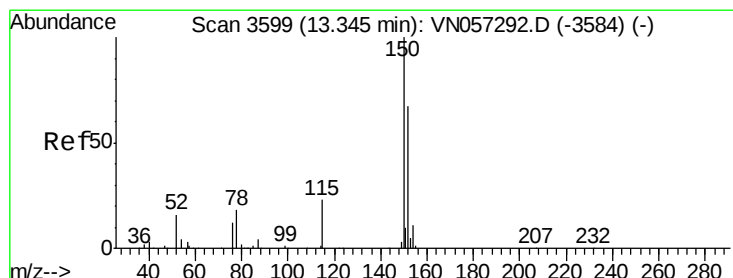
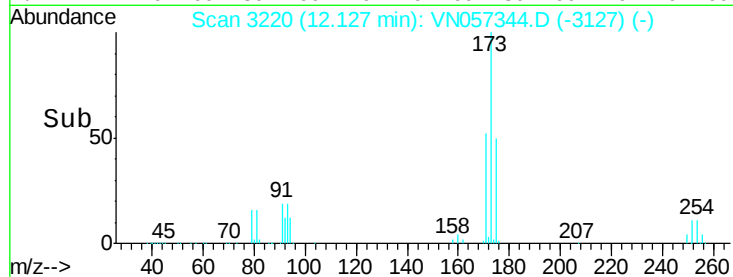
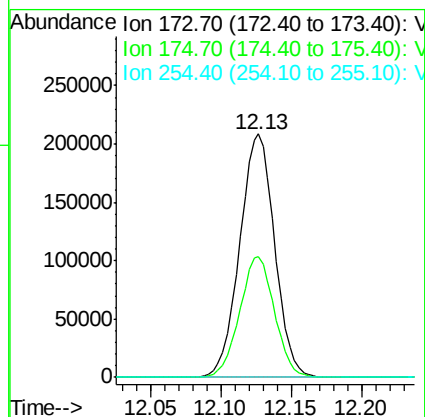
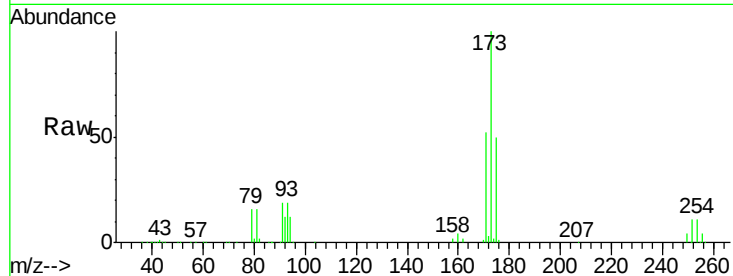
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.4  | 24.2  | 72.6  |
| 254     | 0.2   | 0.2   | 0.2   |

Manual Integrations  
APPROVED

MMdadoda  
8/19/2019 1:54:13 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

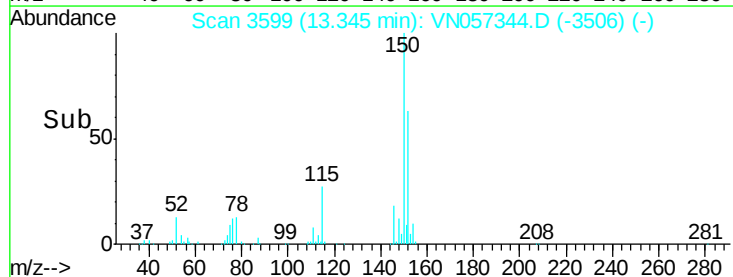
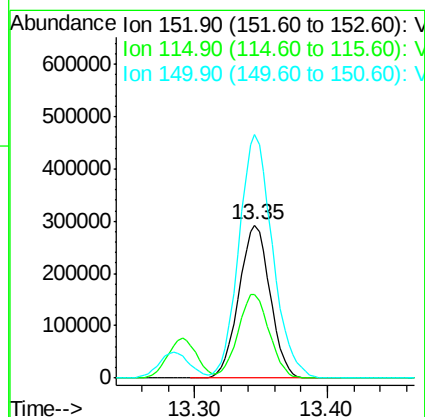
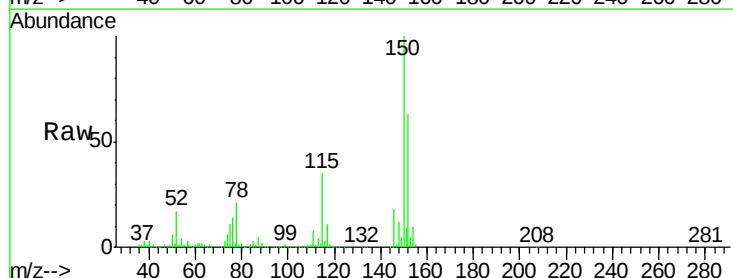
RT: 13.35 min Scan# 3599

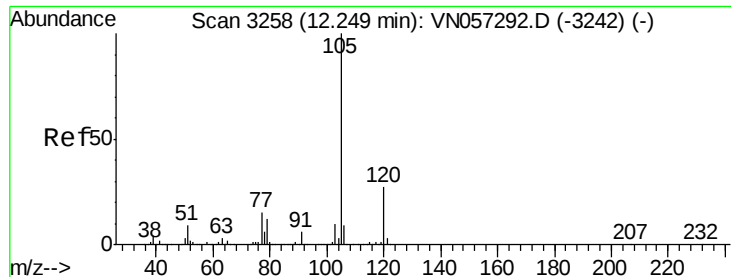
Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.5  | 27.3  | 81.9  |
| 150     | 172.1 | 0.0   | 344.4 |





#73

Isopropylbenzene

Concen: 52.738 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1992013

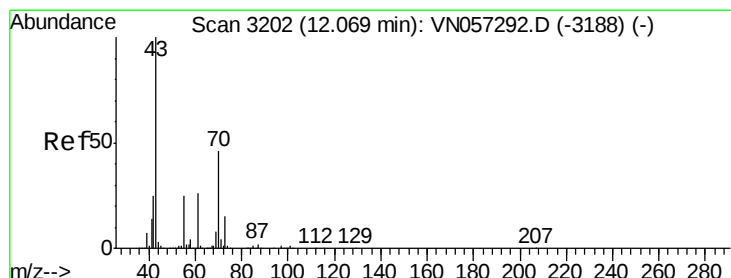
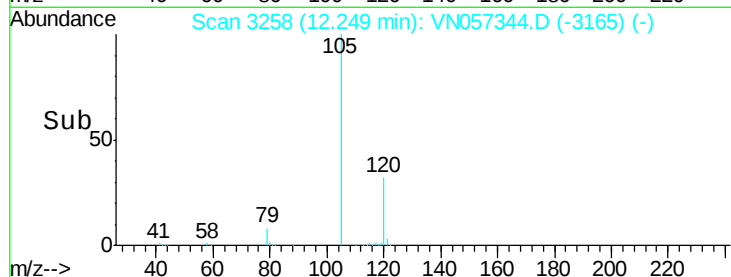
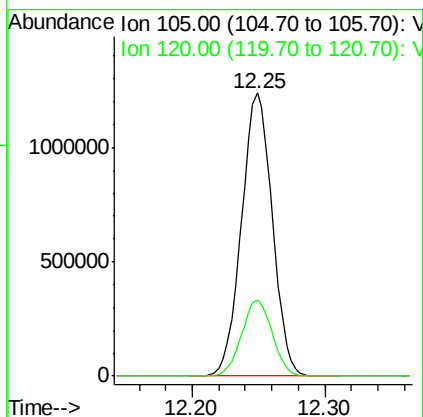
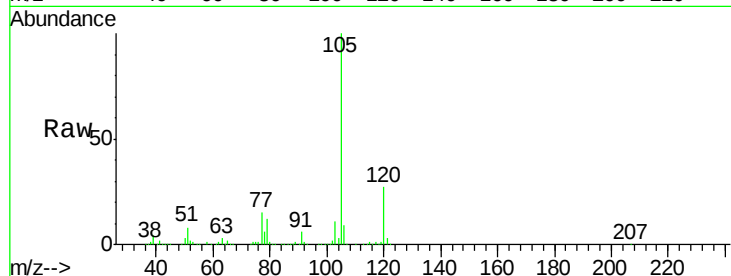
Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.6

Manual Integrations  
APPROVED

MMdadoda  
8/19/2019 1:54:13 AM



#74

N-ethyl acetate

Concen: 43.848 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Tgt Ion: 43 Resp: 606499

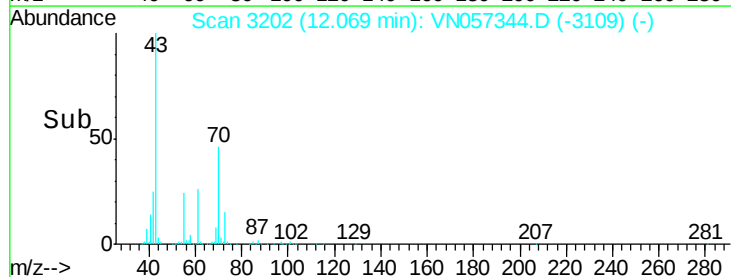
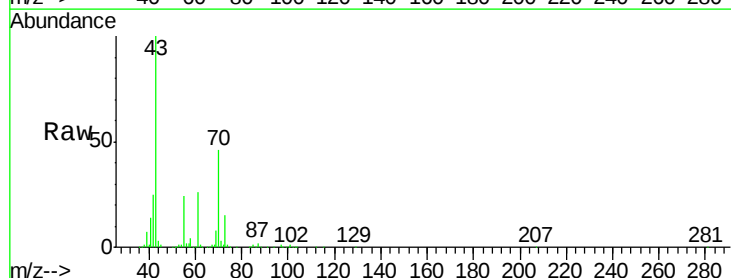
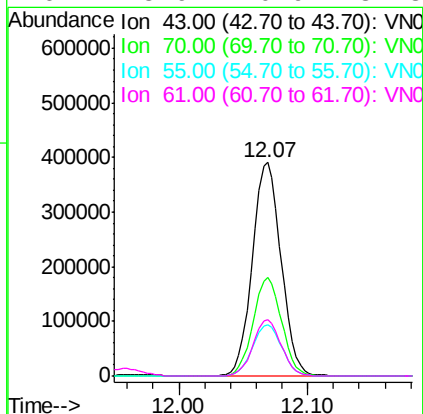
Ion Ratio Lower Upper

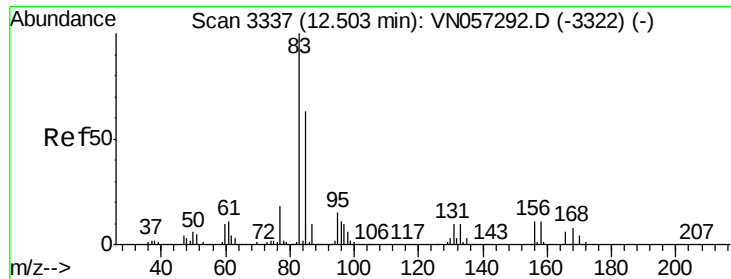
43 100

70 46.0 36.2 54.2

55 25.0 20.1 30.1

61 25.9 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 52.843 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

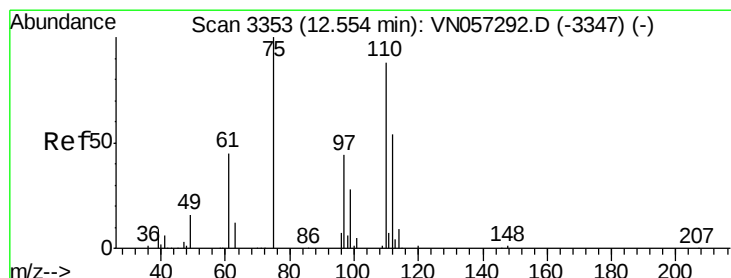
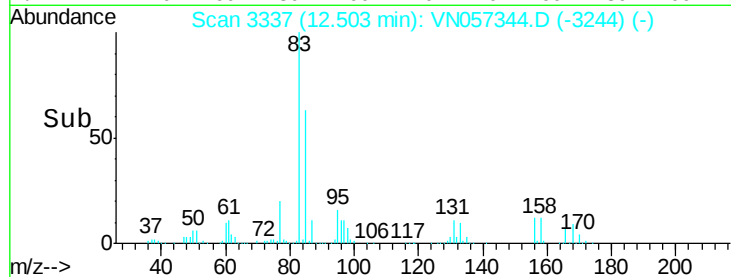
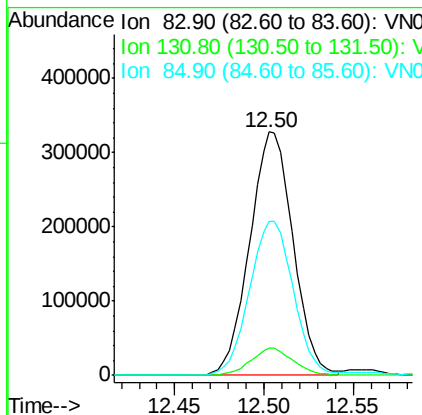
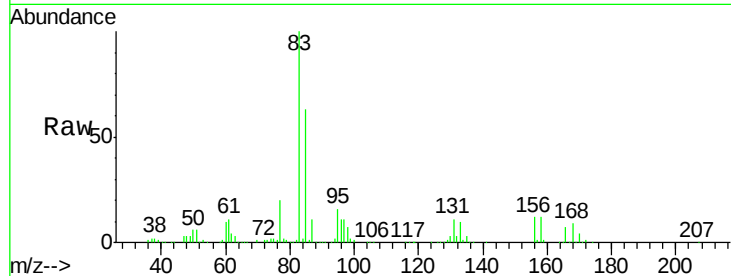
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 557197 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.0  | 5.4   | 16.2   |
| 85        | 63.9  | 32.3  | 96.9   |

Manual Integrations  
APPROVED

MMdadoda  
8/19/2019 1:54:13 AM



#76

1,2,3-Trichloropropane

Concen: 49.185 ug/l m

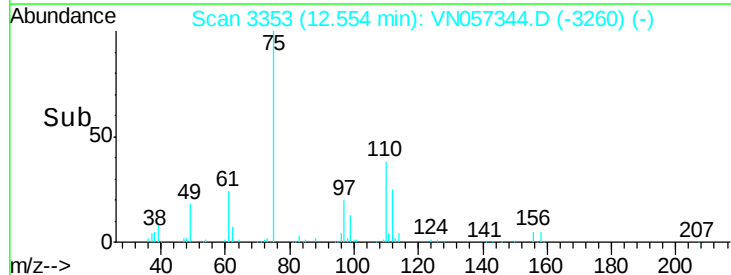
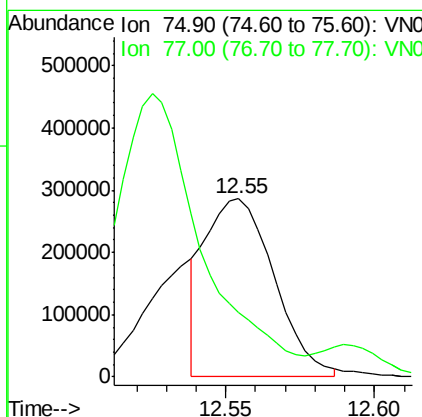
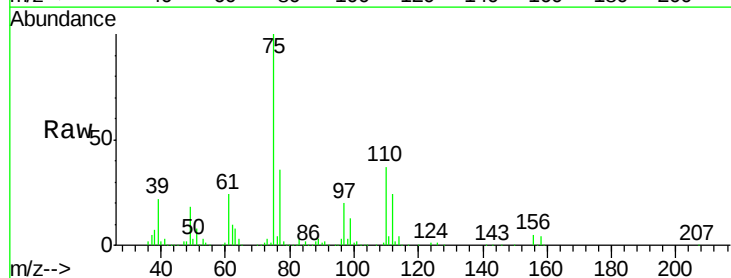
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 461953 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 51.822 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

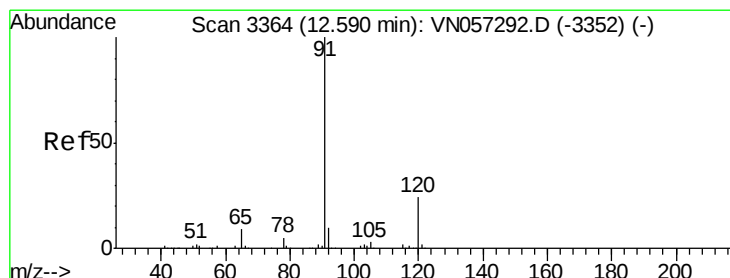
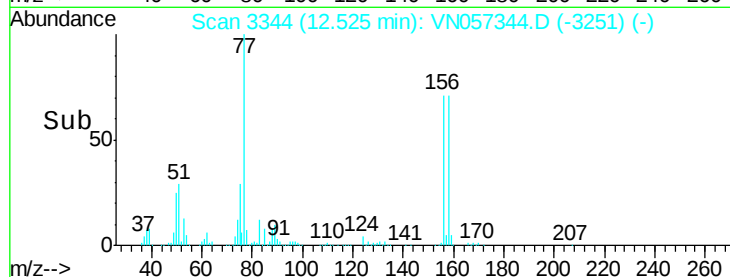
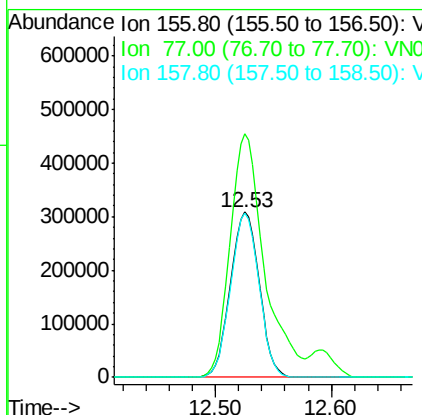
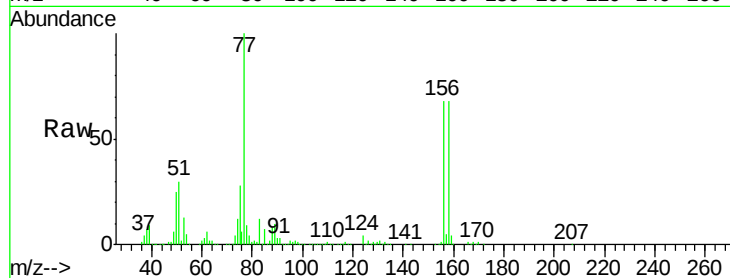
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 528671 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 175.6 | 89.8  | 269.6  |
| 158       | 98.1  | 49.3  | 147.8  |

Manual Integrations  
APPROVED

MMdadoda  
8/19/2019 1:54:13 AM



#78

n-propylbenzene

Concen: 45.232 ug/l

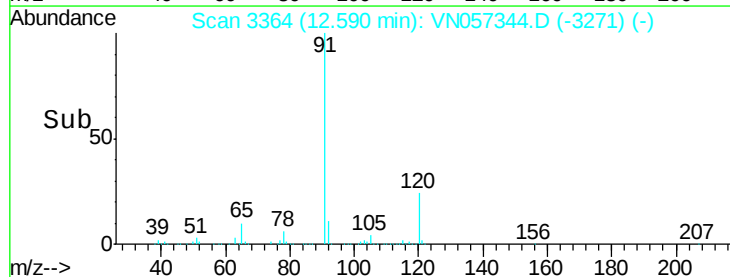
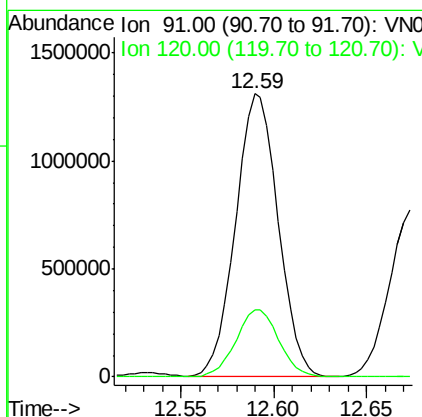
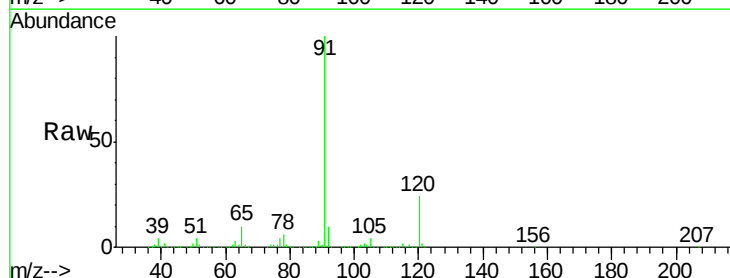
RT: 12.59 min Scan# 3364

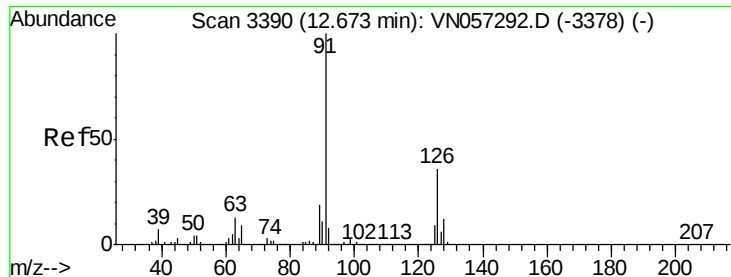
Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 2076227 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 24.0  | 11.9  | 35.7    |





#79

2-Chlorotoluene

Concen: 51.523 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1291171

Ion Ratio Lower Upper

91 100

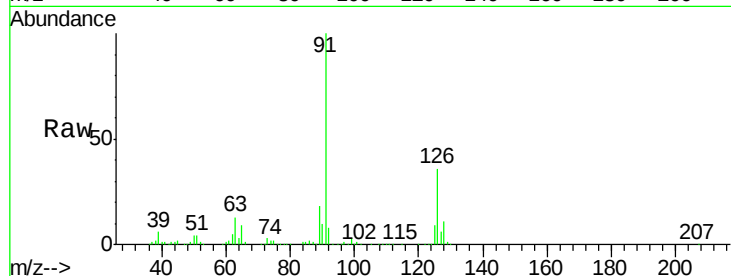
126 36.1 18.1 54.1

Manual Integrations

APPROVED

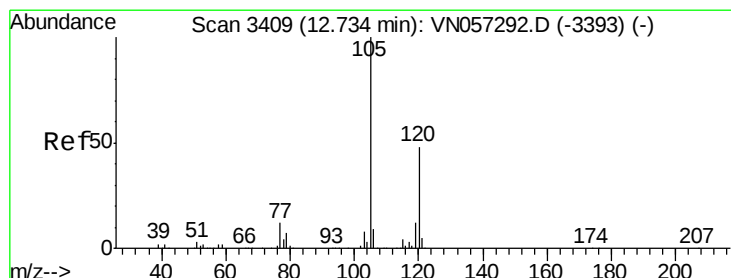
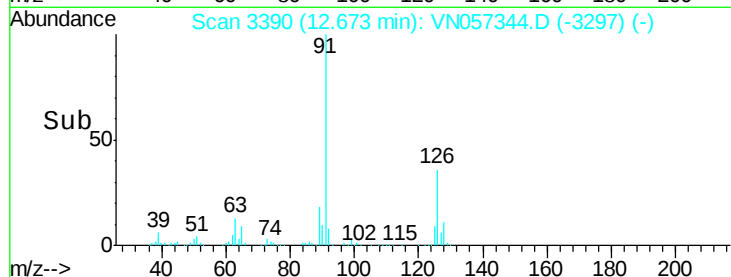
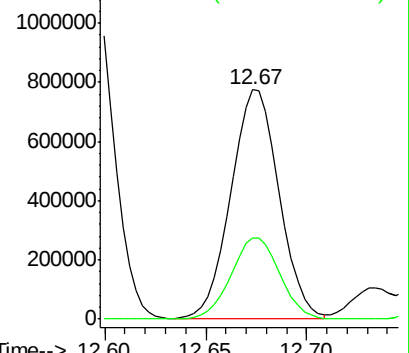
MMdadoda

8/19/2019 1:54:13 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057292.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.903 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057344.D

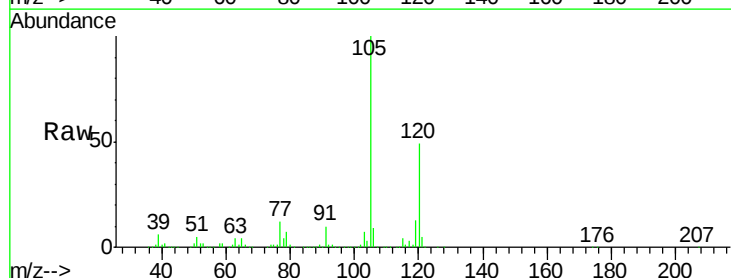
Acq: 15 Aug 2019 20:19

Tgt Ion: 105 Resp: 1664200

Ion Ratio Lower Upper

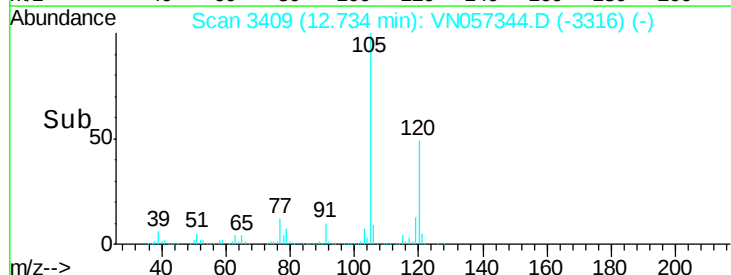
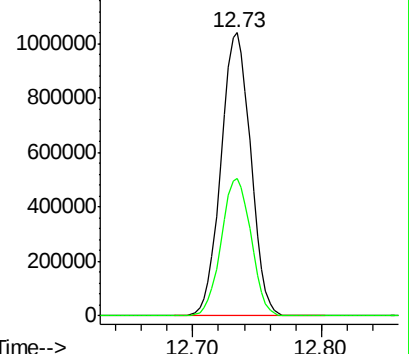
105 100

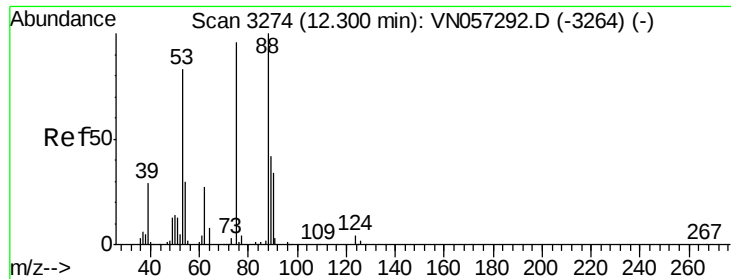
120 48.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057292.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057292.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.988 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 175863

Ion Ratio Lower Upper

75 100

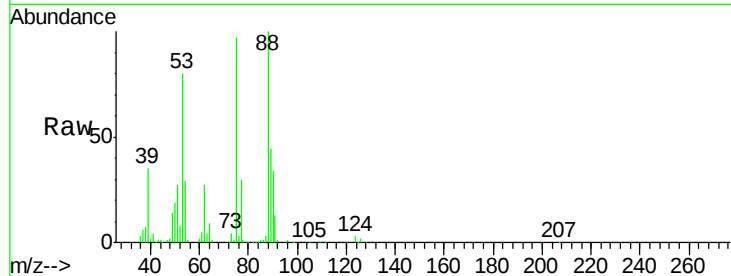
53 84.1 67.9 101.9

89 45.4 36.2 54.4

Manual Integrations  
APPROVED

MMDadoda

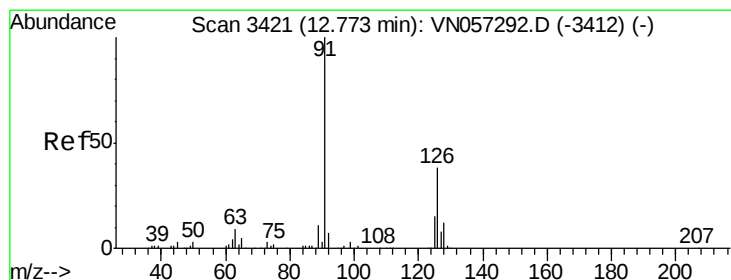
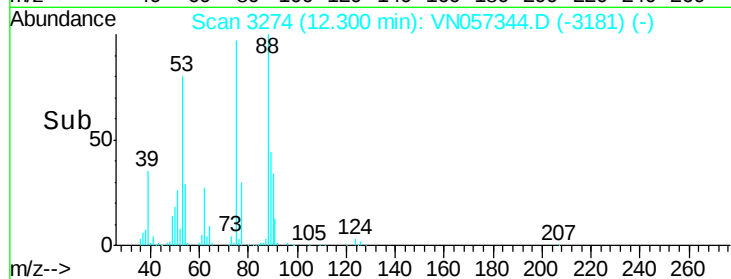
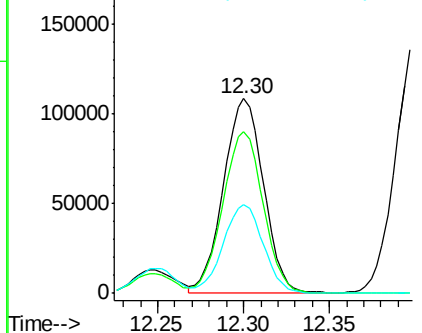
8/19/2019 1:54:13 AM



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 45.228 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057344.D

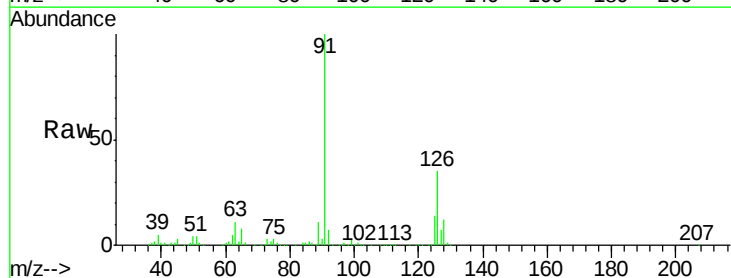
Acq: 15 Aug 2019 20:19

Tgt Ion: 91 Resp: 1230222

Ion Ratio Lower Upper

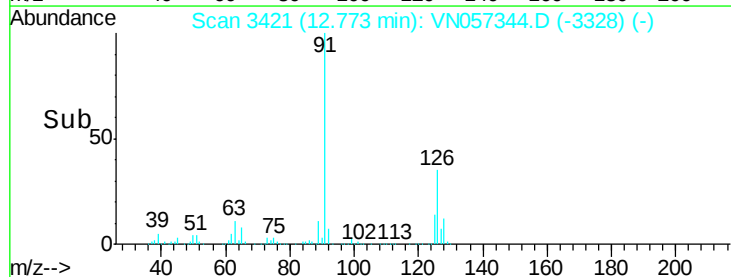
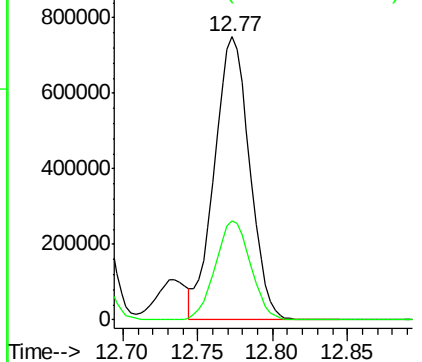
91 100

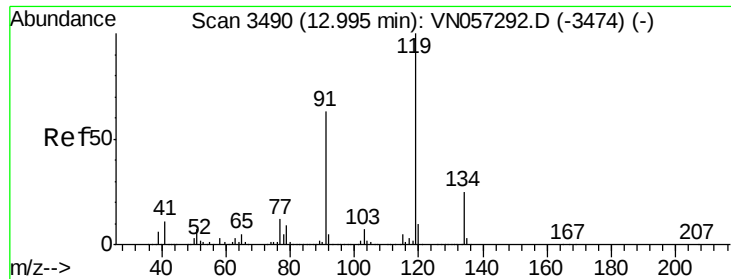
126 35.0 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO





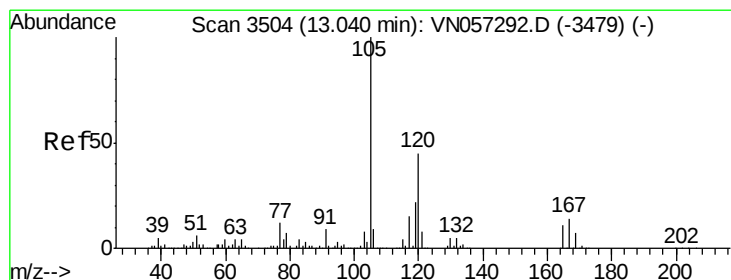
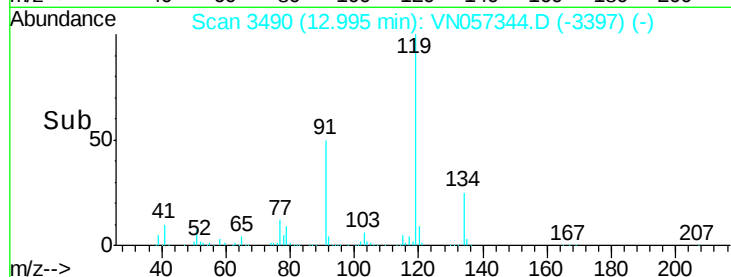
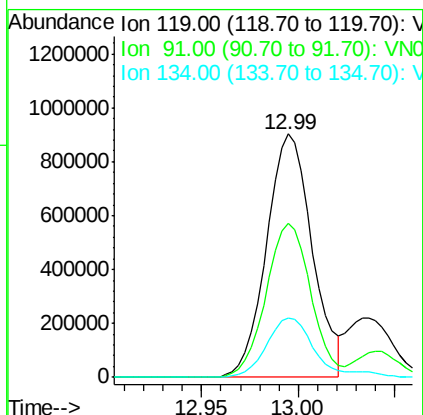
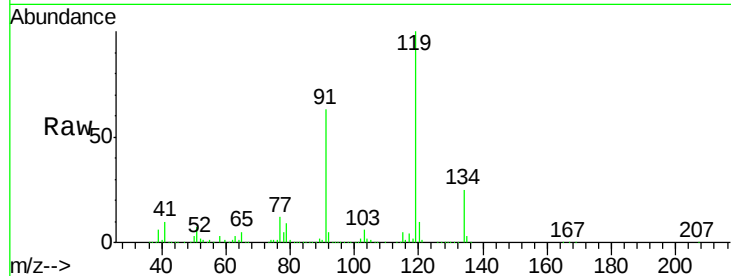
#83  
tert-Butylbenzene  
Concen: 52.811 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.1  | 31.3  | 93.8  |
| 134     | 26.0  | 13.1  | 39.1  |

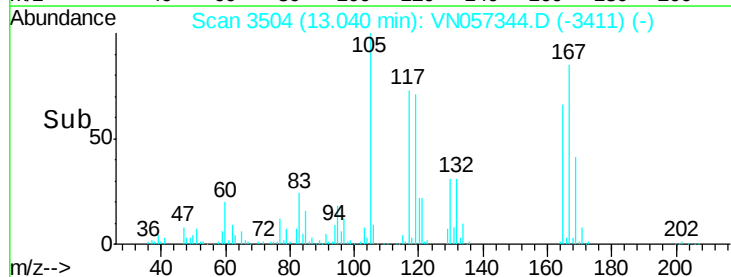
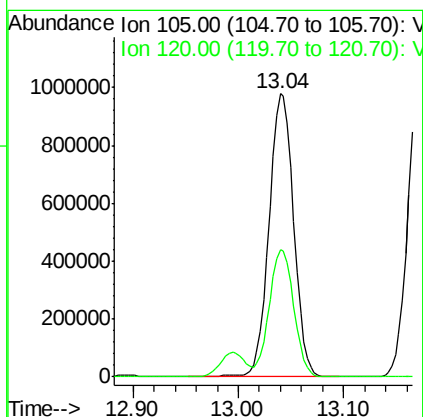
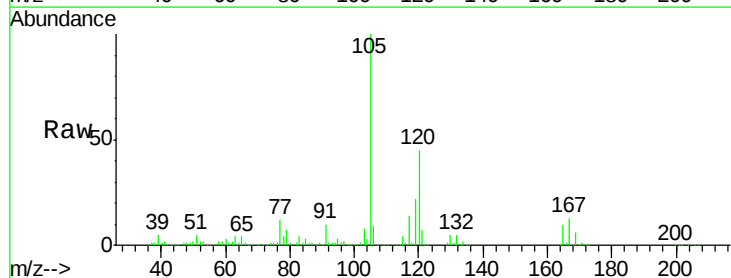
Manual Integrations  
APPROVED

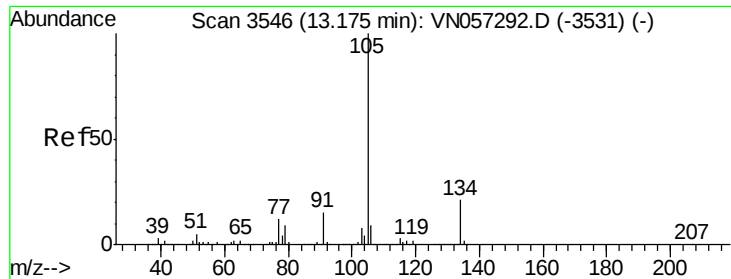
MMDadoda  
8/19/2019 1:54:13 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 46.151 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.9  | 22.6  | 67.7  |





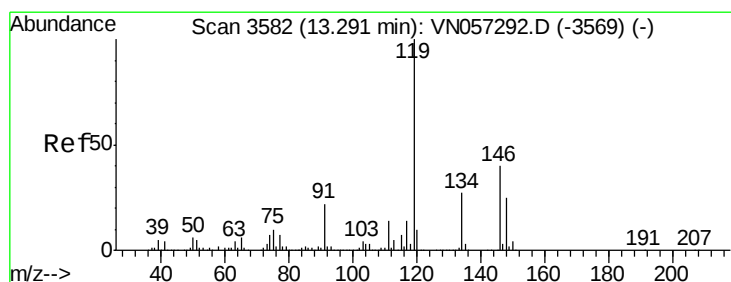
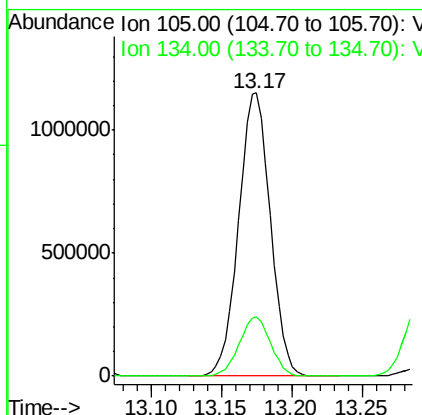
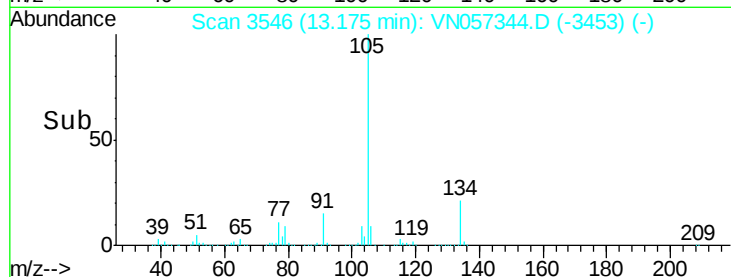
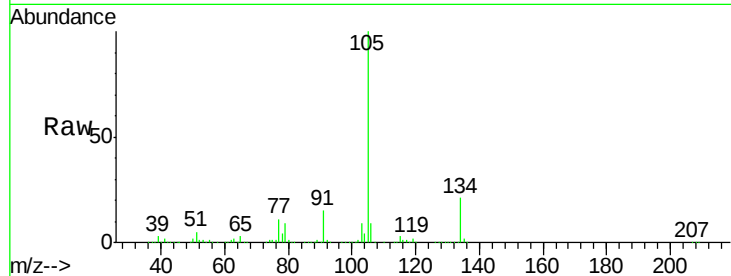
#85  
 sec-Butylbenzene  
 Concen: 50.313 ug/l  
 RT: 13.17 min Scan# 3546  
 Delta R.T. 0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion:105 Resp: 1813972  
 Ion Ratio Lower Upper  
 105 100  
 134 20.8 10.4 31.2

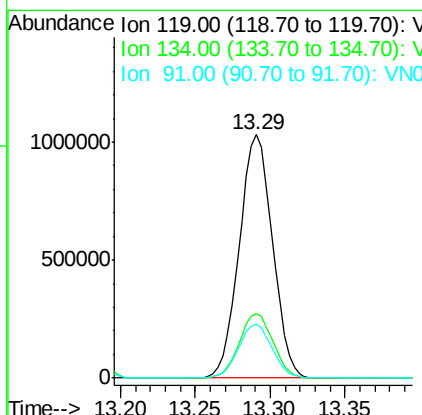
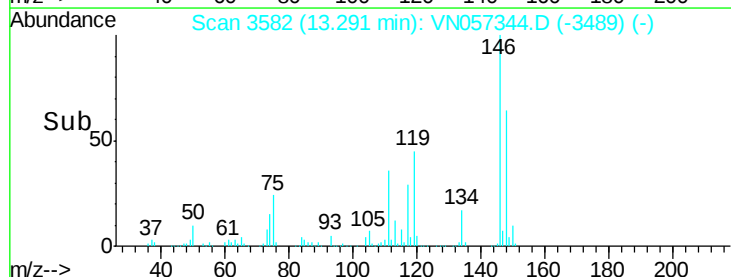
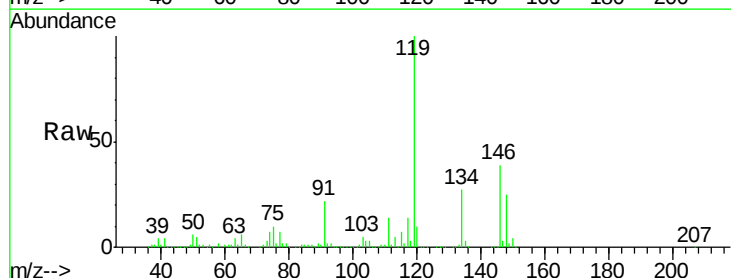
Manual Integrations  
 APPROVED

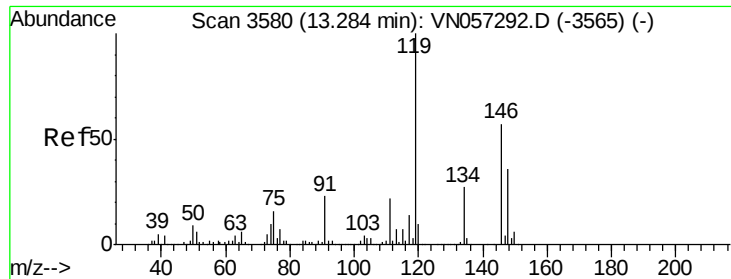
MMdadoda  
 8/19/2019 1:54:13 AM



#86  
 p-Isopropyltoluene  
 Concen: 45.348 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

Tgt Ion:119 Resp: 1594007  
 Ion Ratio Lower Upper  
 119 100  
 134 26.8 13.4 40.2  
 91 22.2 11.2 33.5





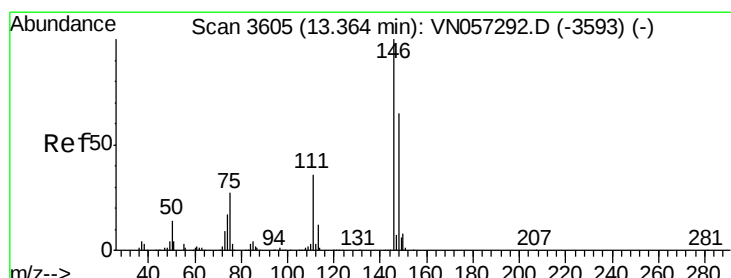
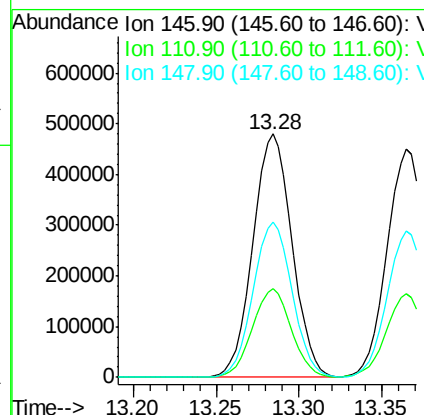
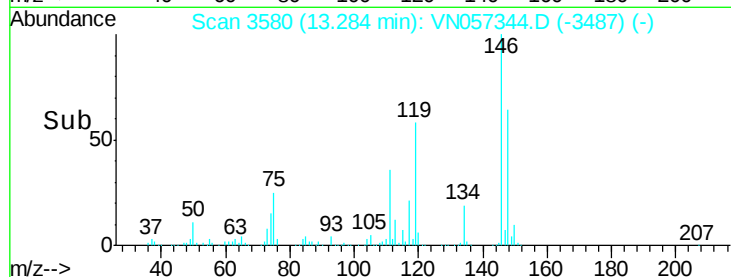
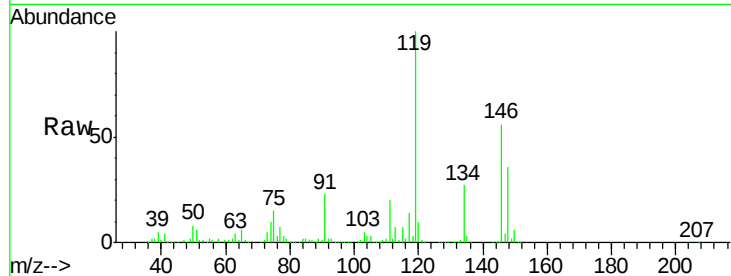
#87  
 1,3-Dichlorobenzene  
 Concen: 47.337 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.2  | 18.7  | 56.1  |
| 148     | 63.7  | 31.7  | 95.1  |

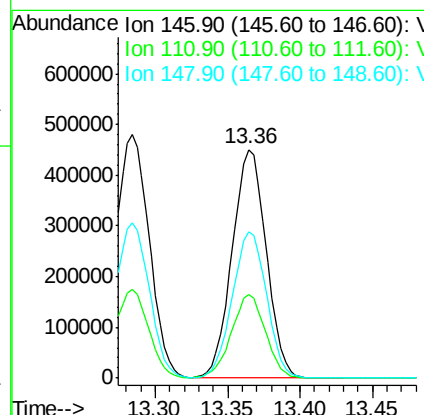
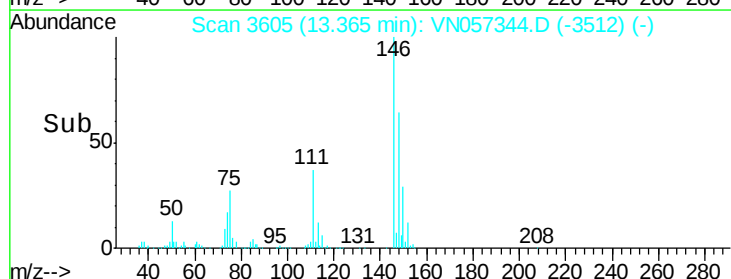
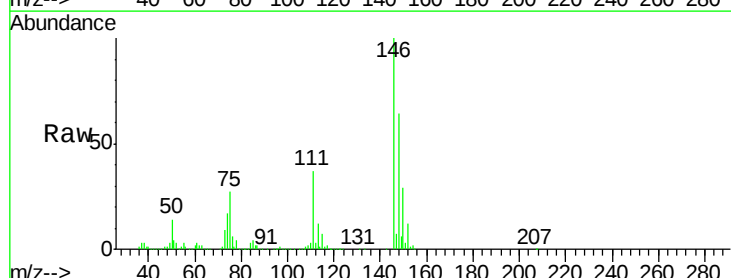
Manual Integrations  
 APPROVED

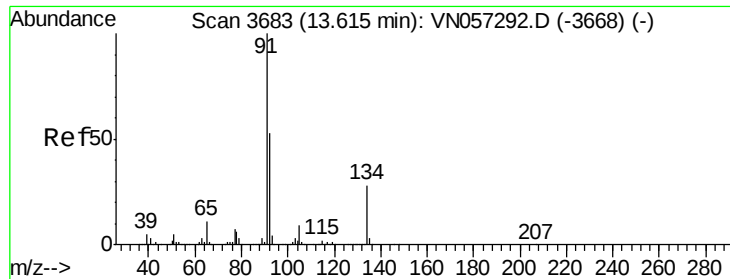
MMDadoda  
 8/19/2019 1:54:13 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 46.293 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.2  | 18.4  | 55.4  |
| 148     | 64.2  | 32.5  | 97.4  |





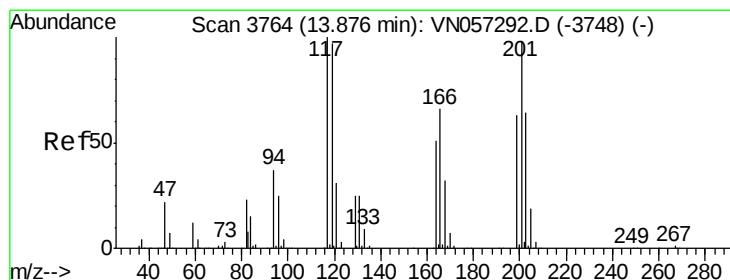
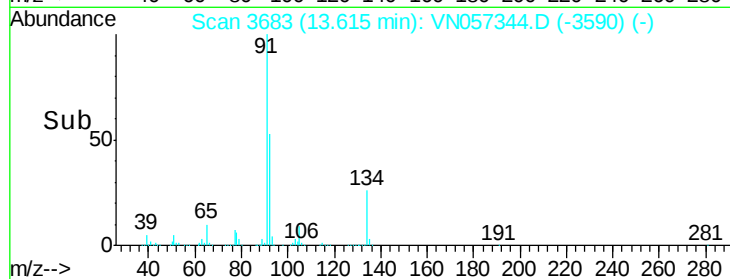
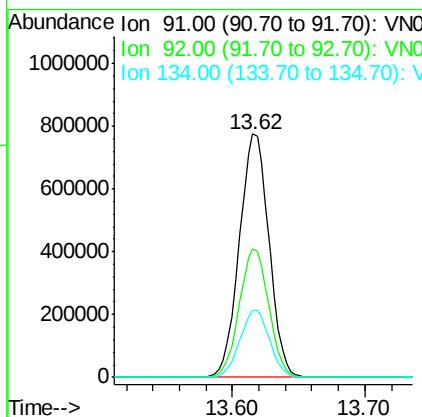
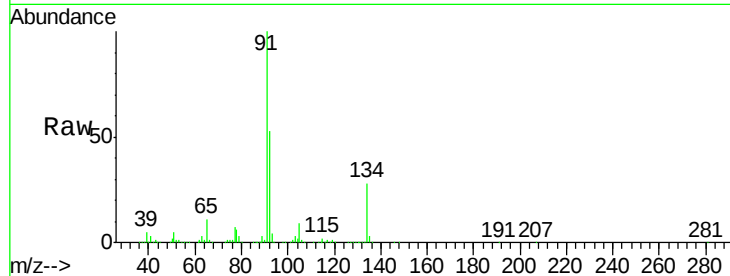
#89  
n-Butylbenzene  
Concen: 48.006 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 1202973  
Ion Ratio Lower Upper  
91 100  
92 52.6 26.2 78.6  
134 27.6 13.9 41.7

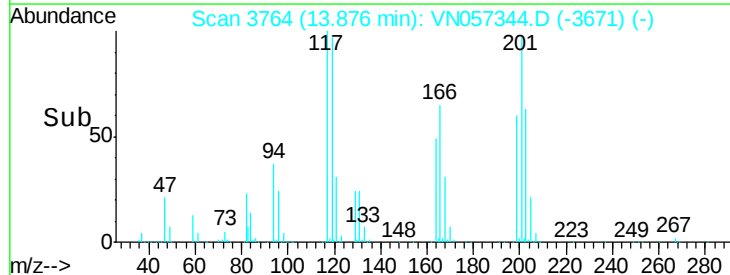
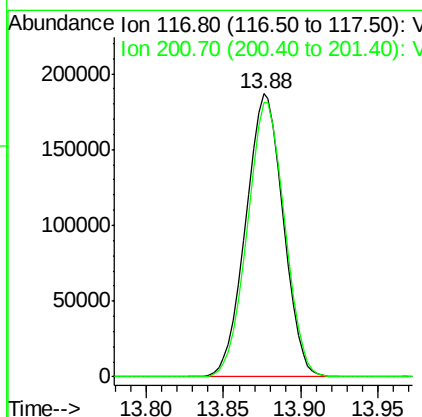
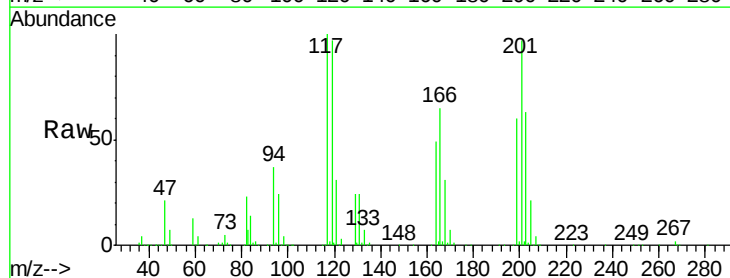
Manual Integrations  
APPROVED

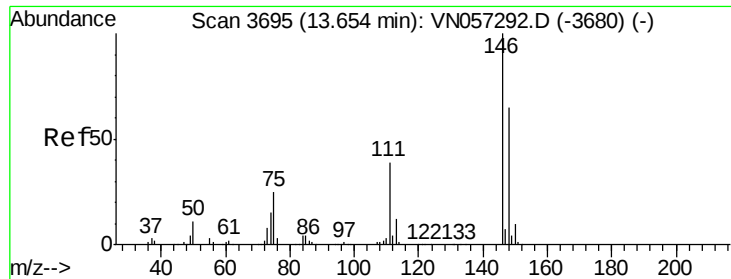
MMdadoda  
8/19/2019 1:54:13 AM



#90  
Hexachloroethane  
Concen: 52.867 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. 0.00 min  
Lab File: VN057344.D  
Acq: 15 Aug 2019 20:19

Tgt Ion: 117 Resp: 315260  
Ion Ratio Lower Upper  
117 100  
201 96.8 48.4 145.0





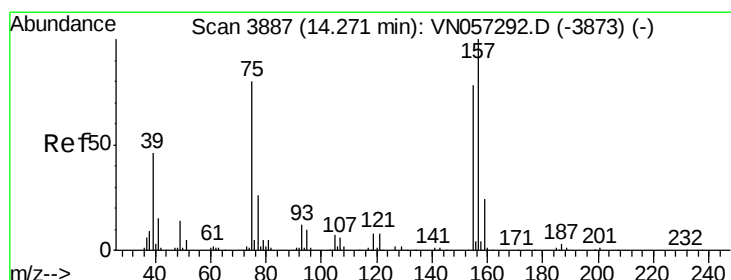
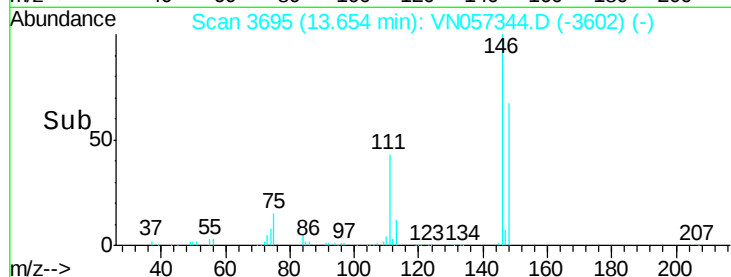
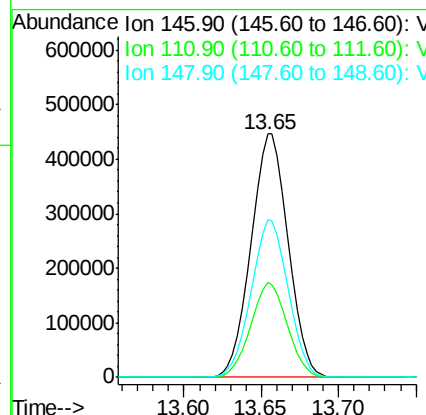
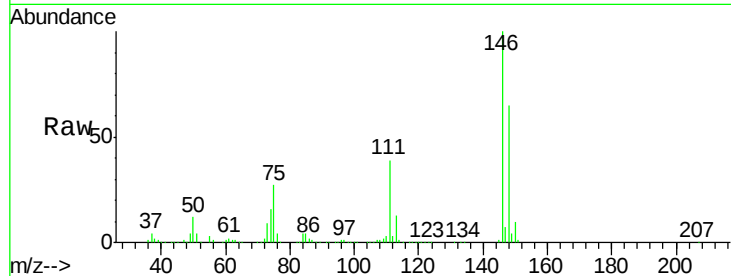
#91  
 1,2-Dichlorobenzene  
 Concen: 47.936 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 19.7  | 59.1  |
| 148     | 64.4  | 32.0  | 96.0  |

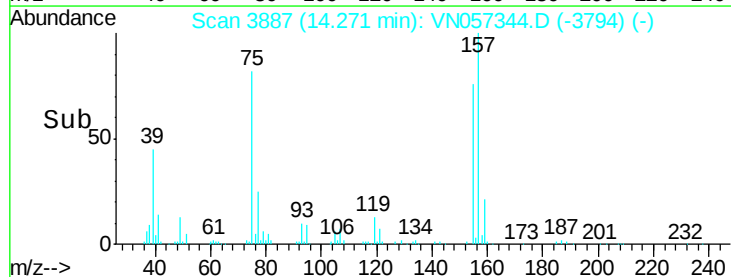
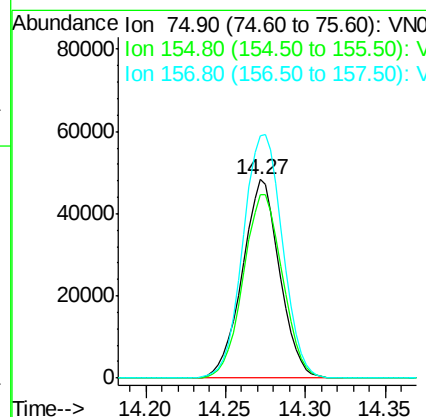
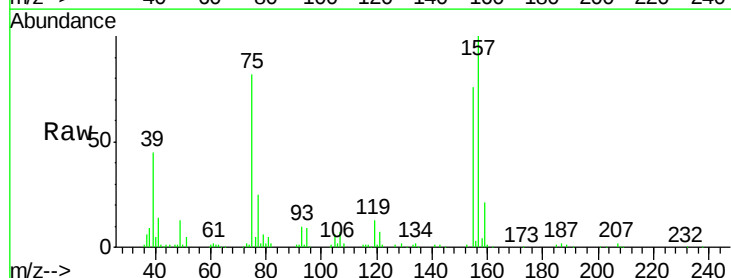
Manual Integrations  
 APPROVED

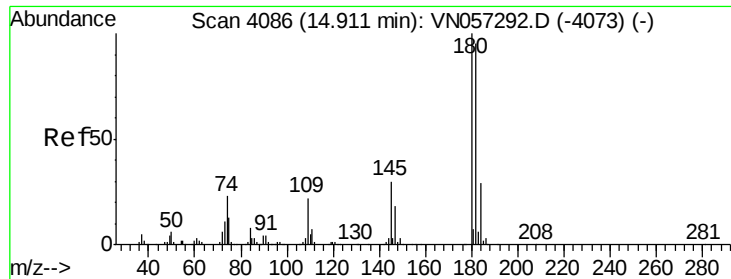
MMdadoda  
 8/19/2019 1:54:13 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.161 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 97.1  | 49.6  | 148.8 |
| 157     | 129.9 | 63.7  | 191.1 |





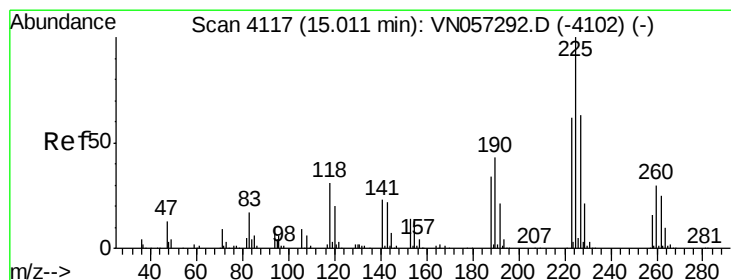
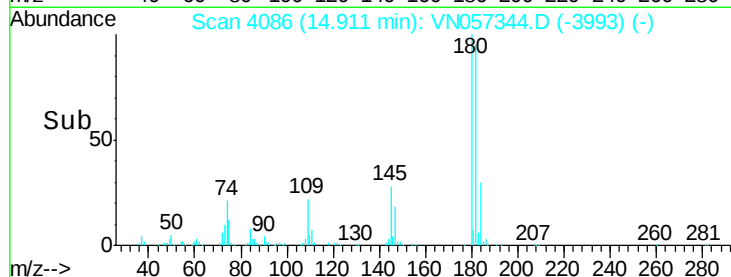
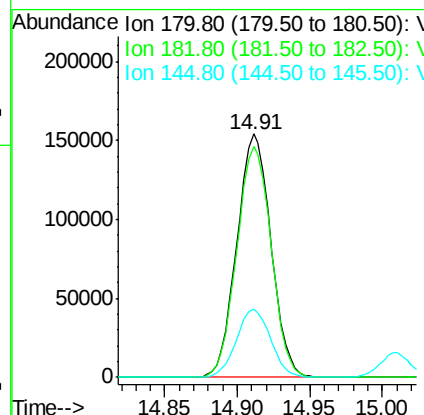
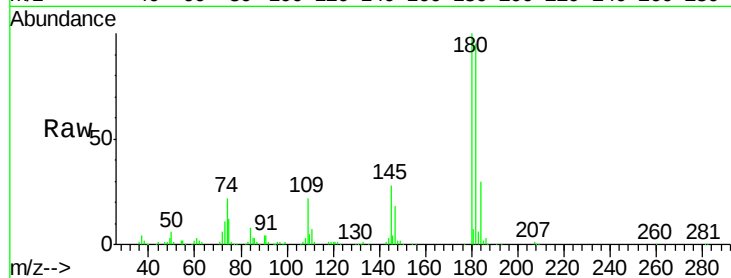
#93  
 1,2,4-Trichlorobenzene  
 Concen: 41.456 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 251722 |       |       |
| 182     | 95.6  | 48.0   | 144.2 |       |
| 145     | 28.2  | 14.5   | 43.6  |       |

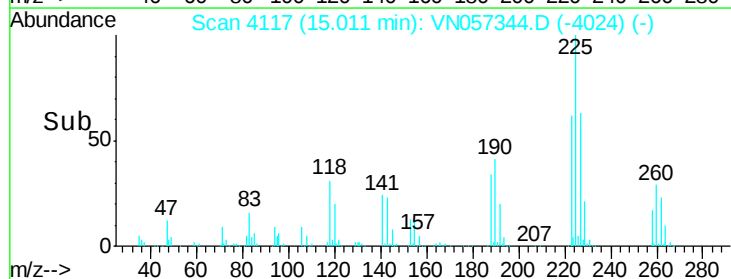
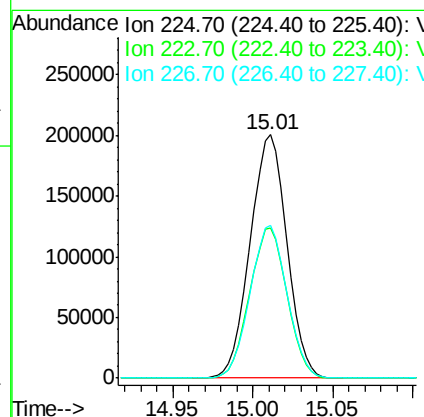
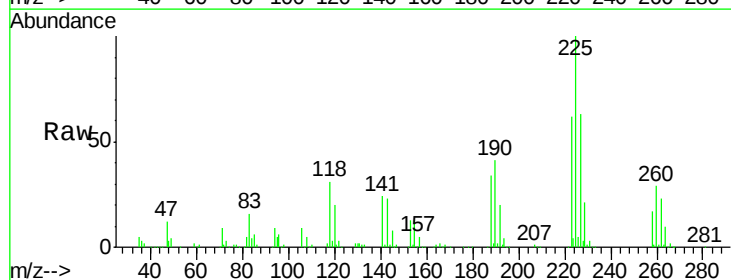
Manual Integrations  
 APPROVED

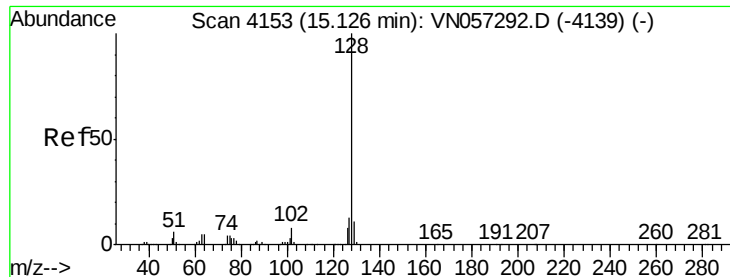
MMDadoda  
 8/19/2019 1:54:13 AM



#94  
 Hexachlorobutadiene  
 Concen: 53.014 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN057344.D  
 Acq: 15 Aug 2019 20:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 314815 |       |       |
| 223     | 62.6  | 30.7   | 92.1  |       |
| 227     | 62.9  | 30.9   | 92.7  |       |





#95

Naphthalene

Concen: 52.021 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

Instrument :

MSVOA\_N

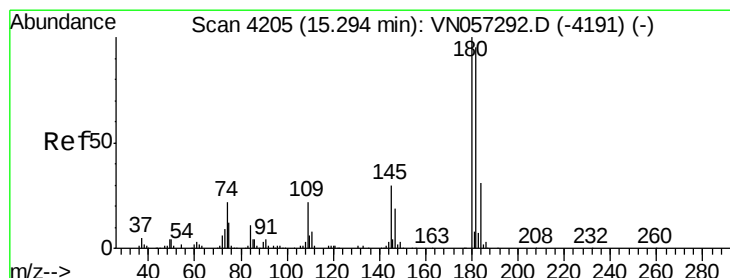
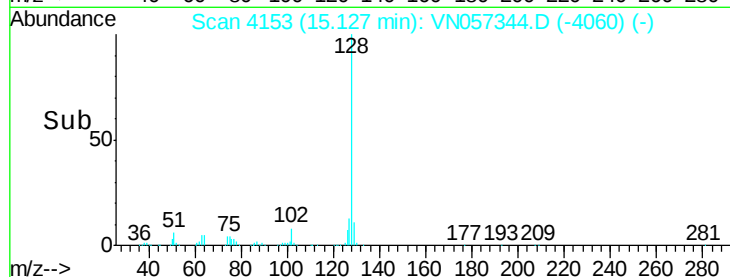
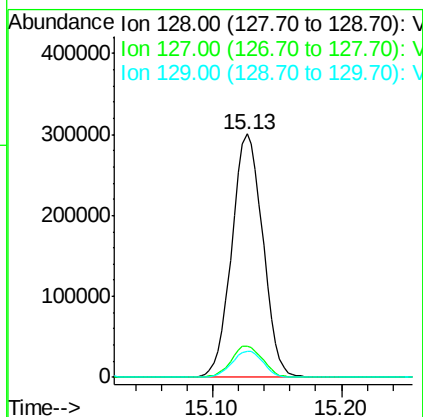
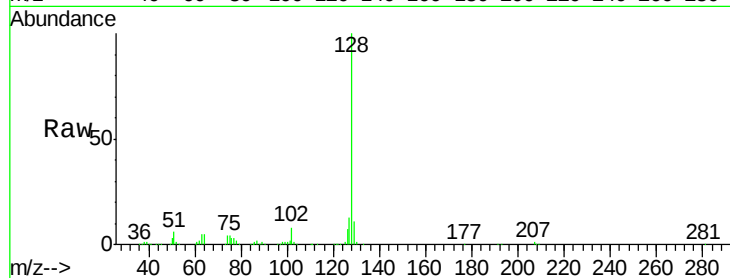
ClientSampleId :

VSTDCCC050EC

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 128  | Resp: | 502751 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 13.1 | 10.5  | 15.7   |
| 129       | 10.8 | 8.8   | 13.2   |

Manual Integrations  
APPROVED

MMdadoda  
8/19/2019 1:54:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.975 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057344.D

Acq: 15 Aug 2019 20:19

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 180  | Resp: | 232173 |
| Ion Ratio |      | Lower | Upper  |
| 180       | 100  |       |        |
| 182       | 95.7 | 47.9  | 143.6  |
| 145       | 29.9 | 15.1  | 45.3   |

