

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062718\  
 Data File : VN049567.D  
 Acq On : 27 Jun 2018 12:55  
 Operator : MD\SY  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 6/28/2018 4:38:08 PM

Quant Time: Jun 28 01:29:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1612245  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 2374730  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 2165062  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 1176649  | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.02   | 65  | 989877   | 46.29 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.58% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 873743   | 45.48 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.96% |      |
| 50) Toluene-d8            | 10.09  | 98  | 3496987  | 47.80 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.60% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 1205596  | 49.84 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.68% |      |

## Target Compounds

|                               |      |     |         |        |        | Qvalue |
|-------------------------------|------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 1000529 | 53.92  | ug/l   | 100    |
| 3) Chloromethane              | 2.06 | 50  | 1119071 | 46.70  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 1238184 | 48.62  | ug/l   | 100    |
| 5) Bromomethane               | 2.56 | 94  | 583526  | 43.59  | ug/l   | 96     |
| 6) Chloroethane               | 2.70 | 64  | 749187  | 49.34  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 1414749 | 44.53  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.40 | 74  | 550438  | 49.62  | ug/l   | 91     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 1013314 | 50.29  | ug/l   | 92     |
| 10) Methyl Iodide             | 3.94 | 142 | 1308319 | 62.37  | ug/l   | 91     |
| 11) Tert butyl alcohol        | 4.79 | 59  | 264025  | 210.37 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 919476  | 49.74  | ug/l   | 91     |
| 13) Acrolein                  | 3.60 | 56  | 398426  | 302.72 | ug/l   | 98     |
| 14) Allyl chloride            | 4.32 | 41  | 1246722 | 42.71  | ug/l   | 89     |
| 15) Acrylonitrile             | 4.99 | 53  | 1421918 | 226.57 | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43  | 912660  | 175.78 | ug/l   | 91     |
| 17) Carbon Disulfide          | 4.05 | 76  | 2806804 | 48.44  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.32 | 43  | 1043190 | 65.89  | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 5.04 | 73  | 2392939 | 50.77  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 1021305 | 47.10  | ug/l   | 90     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96  | 980124  | 50.08  | ug/l   | 93     |
| 22) Diisopropyl ether         | 5.95 | 45  | 3009764 | 51.64  | ug/l   | 97     |
| 23) Vinyl Acetate             | 5.89 | 43  | 9877959 | 259.96 | ug/l   | 95     |
| 24) 1,1-Dichloroethane        | 5.84 | 63  | 1819404 | 48.77  | ug/l   | 99     |
| 25) 2-Butanone                | 6.83 | 43  | 1499348 | 215.06 | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 1533479 | 50.90  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 6.82 | 96  | 1102093 | 50.65  | ug/l   | 92     |
| 28) Bromochloromethane        | 7.19 | 49  | 773260  | 46.75  | ug/l # | 83     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 1045104 | 232.88 | ug/l   | 93     |
| 30) Chloroform                | 7.37 | 83  | 1814238 | 48.86  | ug/l   | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 1689213 | 53.42  | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 1596117 | 50.38  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 1433296 | 52.66  | ug/l   | 97     |
| 37) Ethyl Acetate             | 6.92 | 43  | 741092  | 50.09  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 1409043 | 50.01  | ug/l   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062718\  
 Data File : VN049567.D  
 Acq On : 27 Jun 2018 12:55  
 Operator : MD\SY  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 6/28/2018 4:38:08 PM

Quant Time: Jun 28 01:29:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 1644027  | 56.27  | ug/l   | 95       |
| 40) Benzene                    | 8.04  | 78   | 4188232  | 50.19  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 446897   | 55.87  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 1272293  | 49.35  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 1659346  | 58.70  | ug/l   | 99       |
| 44) Trichloroethene            | 8.83  | 130  | 1216656  | 55.22  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 1096333  | 50.18  | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 621724   | 49.08  | ug/l   | 91       |
| 47) Bromodichloromethane       | 9.40  | 83   | 1383535  | 49.70  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.20  | 41   | 699102   | 52.51  | ug/l   | 88       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 166149   | 904.26 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 3568953  | 240.88 | ug/l   | 94       |
| 52) Toluene                    | 10.16 | 92   | 2609512  | 53.28  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 1362183  | 51.15  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 1645939  | 52.34  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 887547   | 48.61  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 1114269  | 52.90  | ug/l # | 86       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 1489913  | 49.26  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 2761389  | 360.04 | ug/l   | 94       |
| 59) 2-Hexanone                 | 10.75 | 43   | 2396290  | 250.86 | ug/l   | 92       |
| 60) Dibromochloromethane       | 10.90 | 129  | 1014161  | 49.77  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 864909   | 50.97  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 1353078  | 60.99  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 2844095  | 50.99  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 1027487  | 48.95  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 4969302  | 53.72  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 3864550  | 111.31 | ug/l   | 97       |
| 69) o-Xylene                   | 11.95 | 106  | 1840925  | 55.05  | ug/l   | 97       |
| 70) Styrene                    | 11.96 | 104  | 3034811  | 57.53  | ug/l   | 97       |
| 71) Bromoform                  | 12.13 | 173  | 674896   | 49.68  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 4881161  | 47.25  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.07 | 43   | 1242307  | 49.09  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 938194   | 43.87  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 842426m  | 41.96  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 1240405  | 45.45  | ug/l   | 88       |
| 78) n-propylbenzene            | 12.59 | 91   | 5788565  | 51.03  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 3363255  | 46.79  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 4160516  | 51.24  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 281967   | 44.39  | ug/l   | 91       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 3510055  | 50.62  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 3492530  | 48.55  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 4314844  | 53.49  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 4772798  | 49.85  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 4275981  | 53.45  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 2286058  | 50.92  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 2257597  | 50.74  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 3668715  | 58.71  | ug/l   | 97       |
| 90) Hexachloroethane           | 13.88 | 117  | 514491   | 33.42  | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 2190002  | 49.74  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 158887   | 44.17  | ug/l   | 84       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062718\  
Data File : VN049567.D  
Acq On : 27 Jun 2018 12:55  
Operator : MD\SY  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

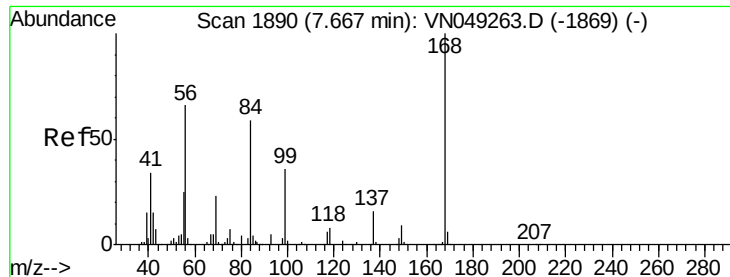
MMDadoda  
6/28/2018 4:38:08 PM

Quant Time: Jun 28 01:29:29 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 1197261  | 58.44 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 715763   | 55.90 | ug/l  | 99       |
| 95) Naphthalene            | 15.14 | 128  | 2389177  | 63.78 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 1101286  | 55.42 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1612245

Ion Ratio Lower Upper

168 100

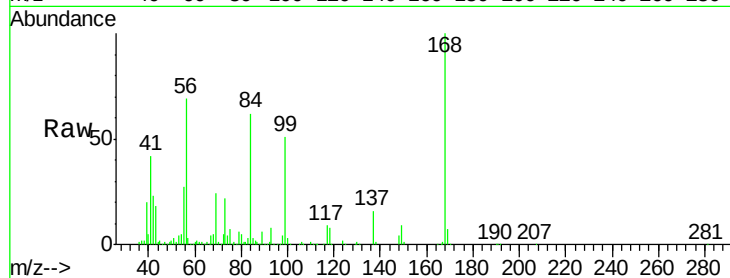
99 51.0 45.8 68.6

Manual Integrations

APPROVED

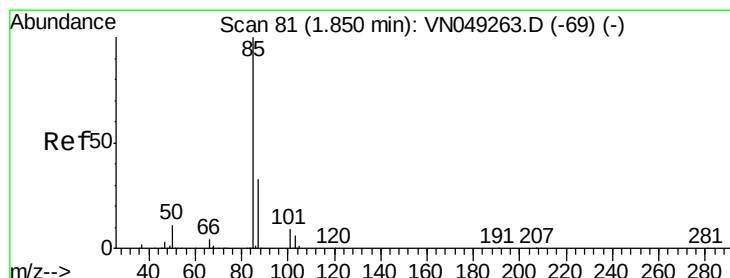
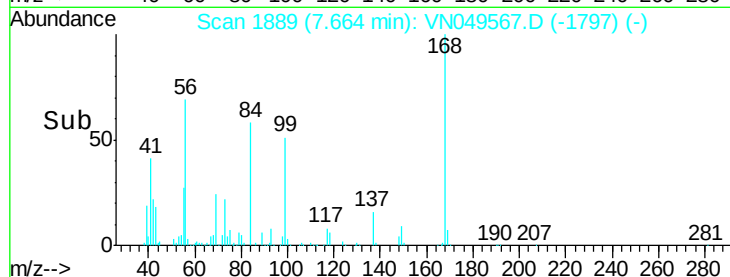
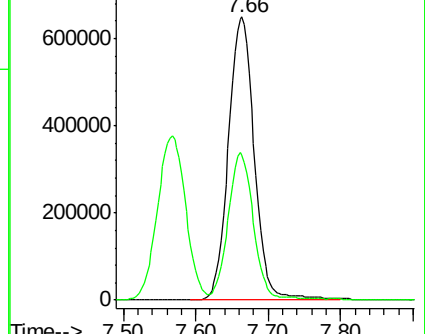
MMDadoda

6/28/2018 4:38:08 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 53.92 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049567.D

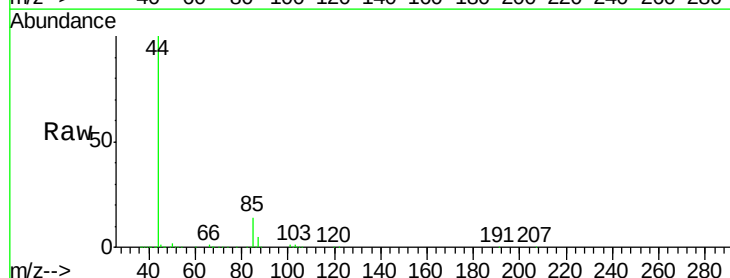
Acq: 27 Jun 2018 12:55

Tgt Ion: 85 Resp: 1000529

Ion Ratio Lower Upper

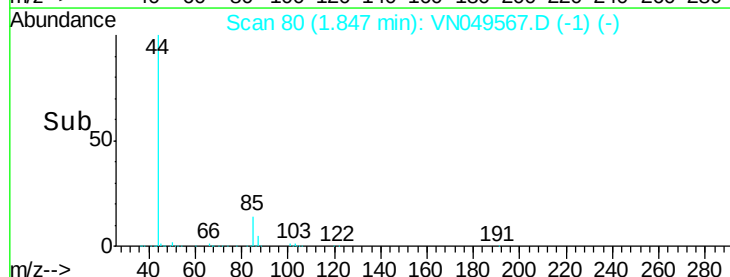
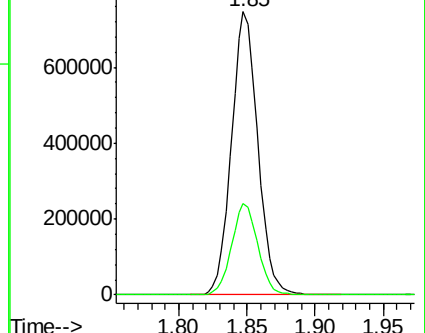
85 100

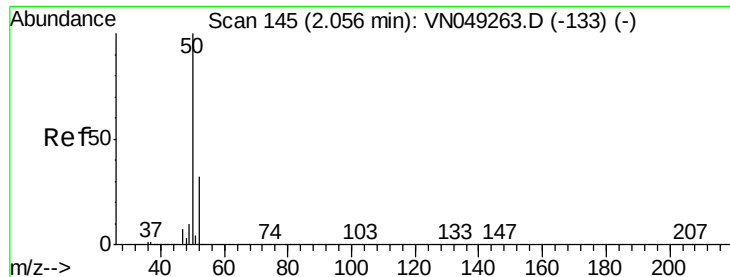
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 46.70 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 1119071

Ion Ratio Lower Upper

50 100

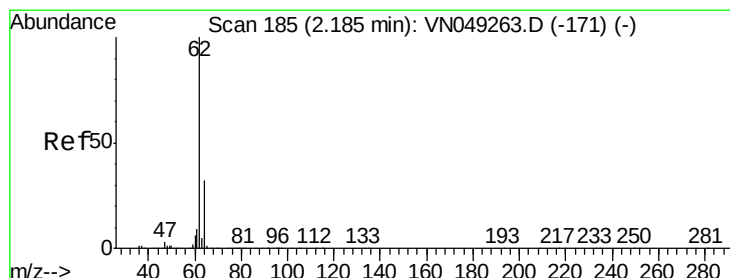
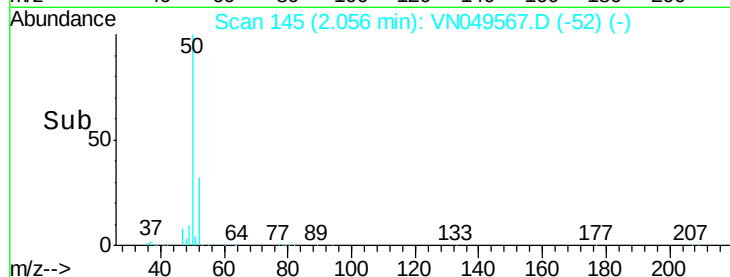
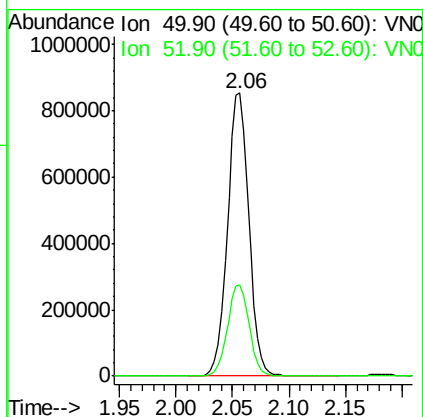
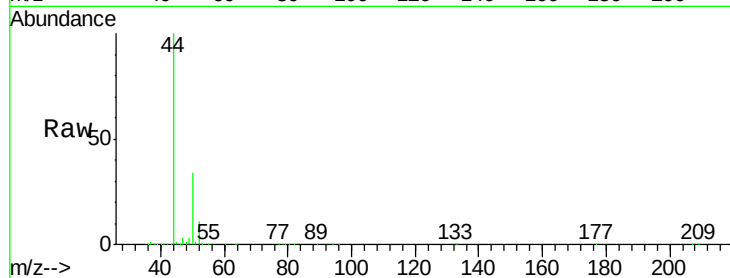
52 32.3 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:38:08 PM



#4

Vinyl Chloride

Concen: 48.62 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049567.D

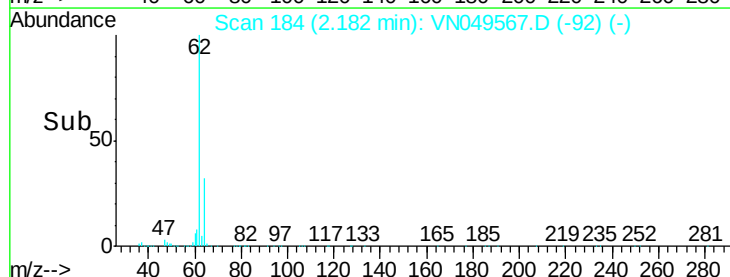
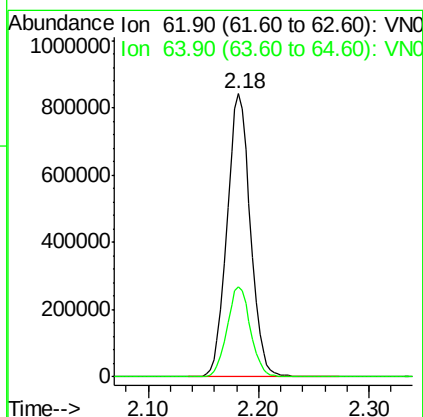
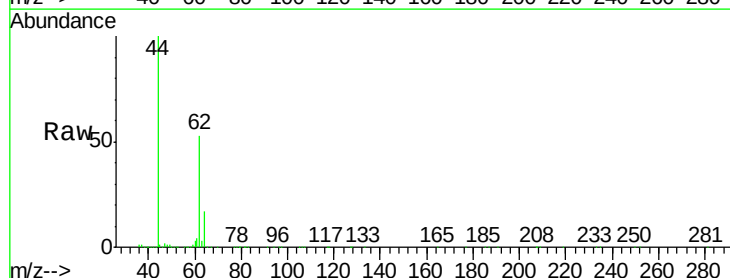
Acq: 27 Jun 2018 12:55

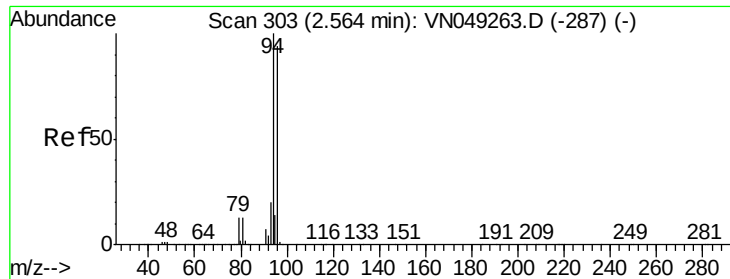
Tgt Ion: 62 Resp: 1238184

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5





#5

Bromomethane

Concen: 43.59 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 583526

Ion Ratio Lower Upper

94 100

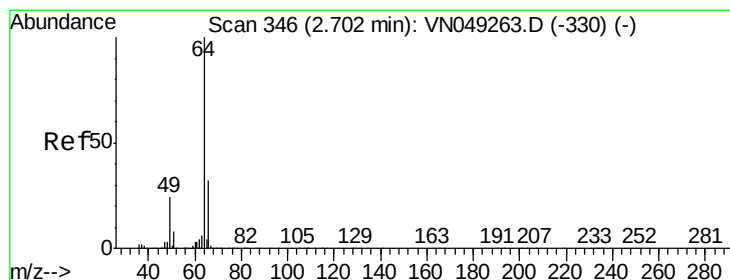
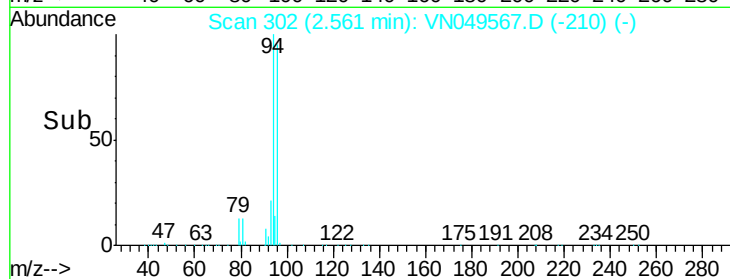
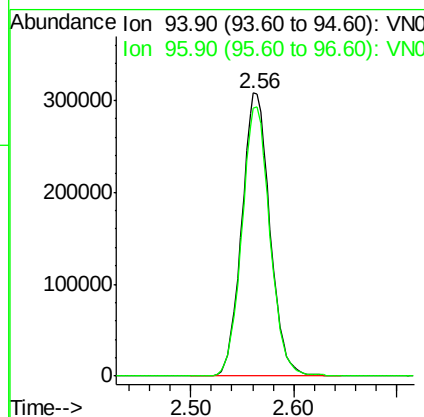
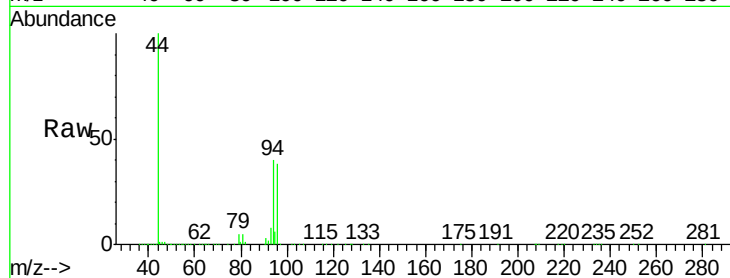
96 94.7 72.8 109.2

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:38:08 PM



#6

Chloroethane

Concen: 49.34 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049567.D

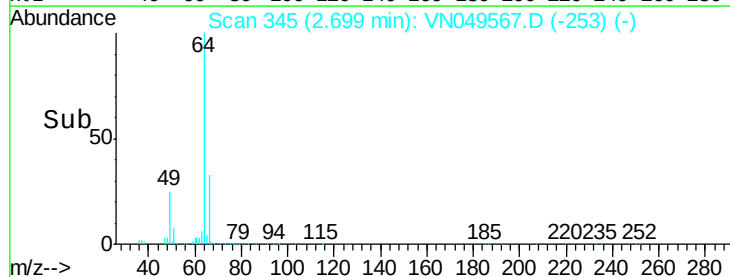
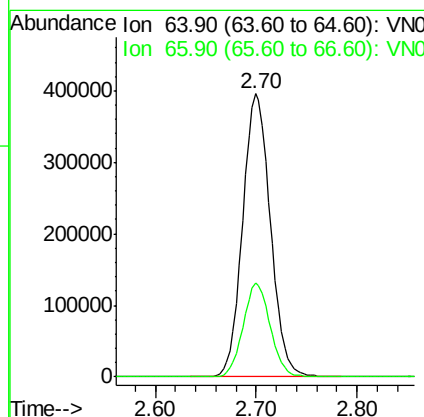
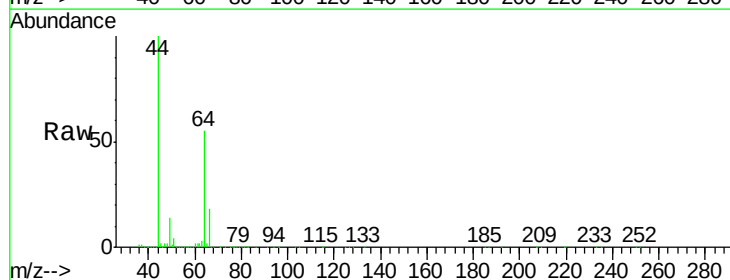
Acq: 27 Jun 2018 12:55

Tgt Ion: 64 Resp: 749187

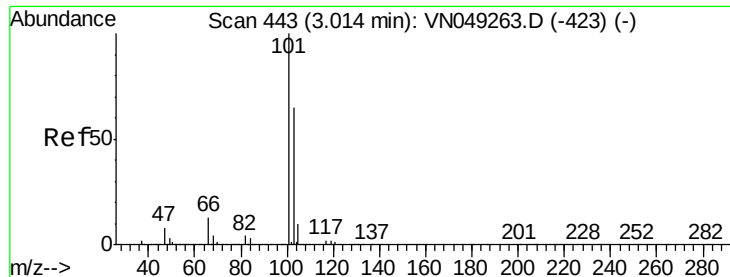
Ion Ratio Lower Upper

64 100

66 33.2 25.6 38.4







#7

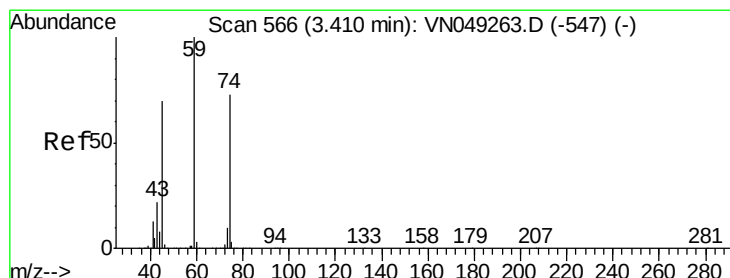
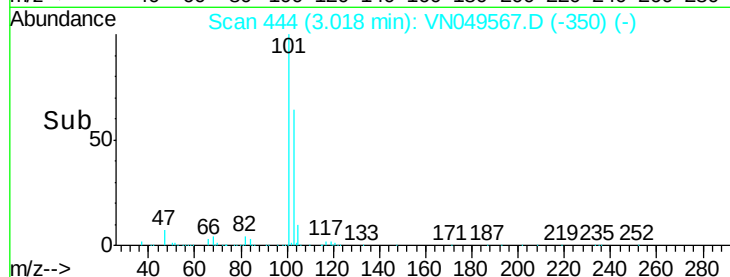
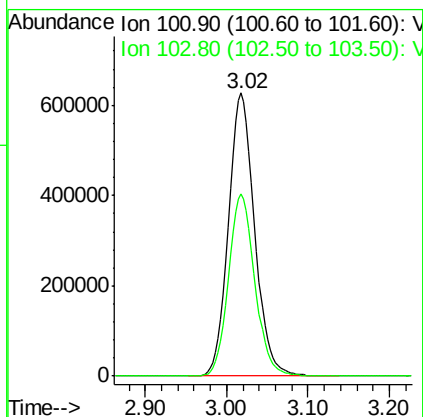
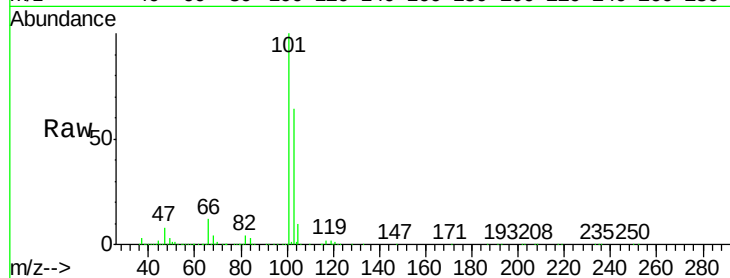
Trichlorofluoromethane  
 Concen: 44.53 ug/l  
 RT: 3.02 min Scan# 444  
 Delta R.T. 0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:101 Resp: 1414749  
 Ion Ratio Lower Upper  
 101 100  
 103 64.2 51.7 77.5

Manual Integrations  
 APPROVED

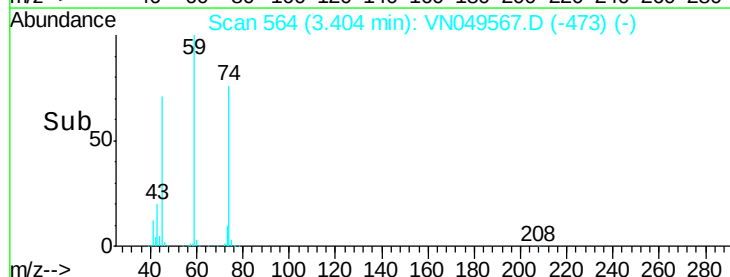
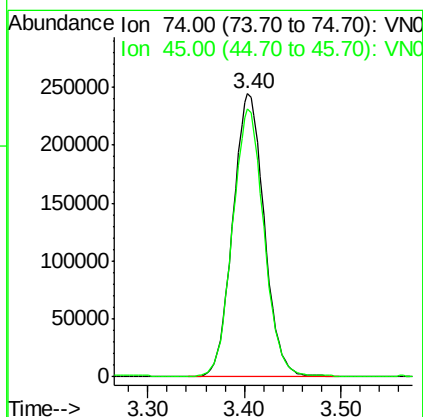
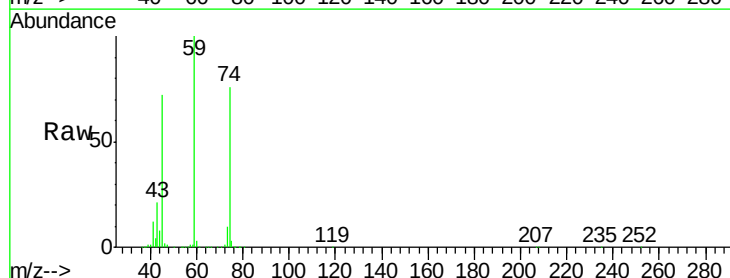
MMDadoda  
 6/28/2018 4:38:08 PM



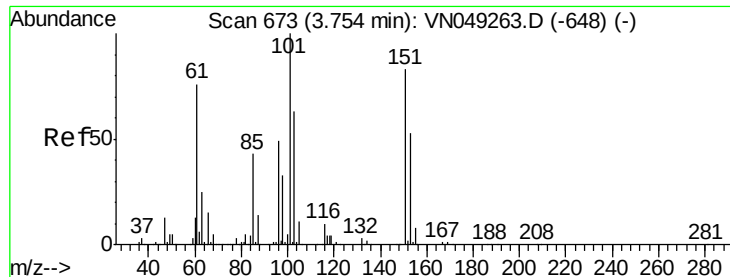
#8

Diethyl Ether  
 Concen: 49.62 ug/l  
 RT: 3.40 min Scan# 564  
 Delta R.T. -0.01 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

Tgt Ion: 74 Resp: 550438  
 Ion Ratio Lower Upper  
 74 100  
 45 94.7 51.9 155.8







#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.29 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 1013314

Ion Ratio Lower Upper

101 100

85 41.9 37.6 56.4

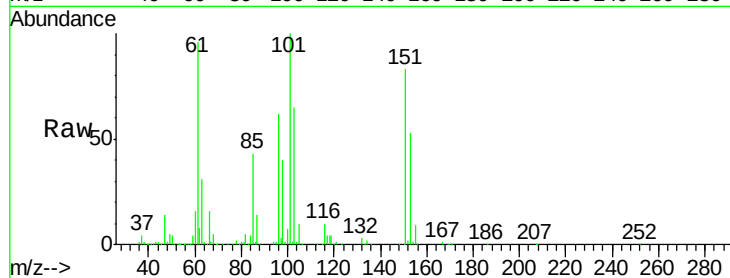
151 83.1 61.1 91.7

Manual Integrations

APPROVED

MMDadoda

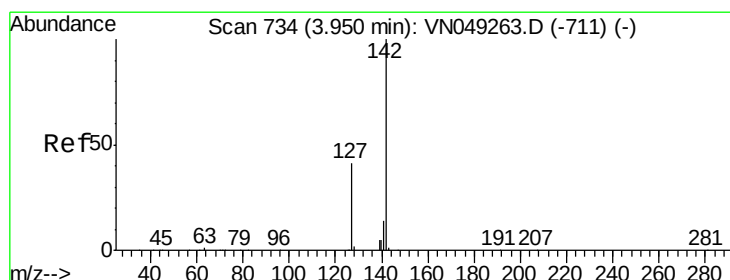
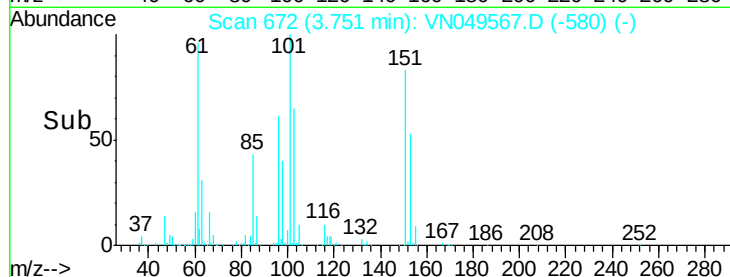
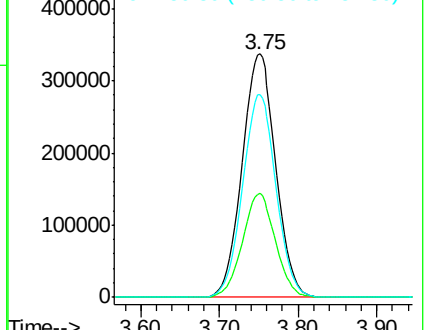
6/28/2018 4:38:08 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN049567.D (-641) (-)

Ion 150.80 (150.50 to 151.50): VN049567.D (-641) (-)



#10

Methyl Iodide

Concen: 62.37 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

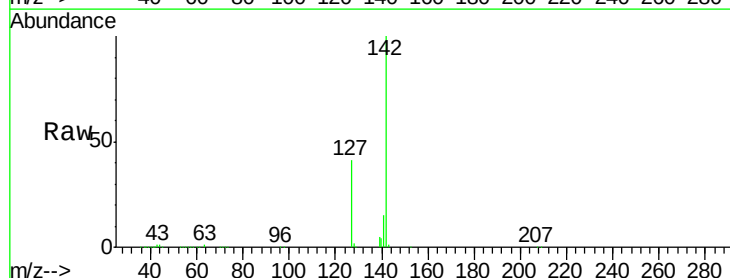
Tgt Ion:142 Resp: 1308319

Ion Ratio Lower Upper

142 100

127 40.4 38.2 57.4

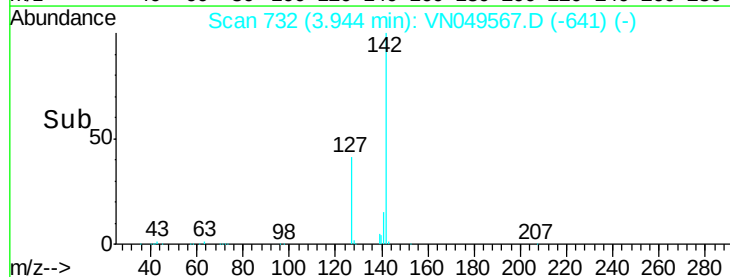
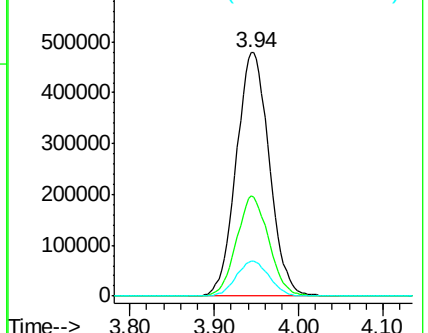
141 14.4 11.9 17.9

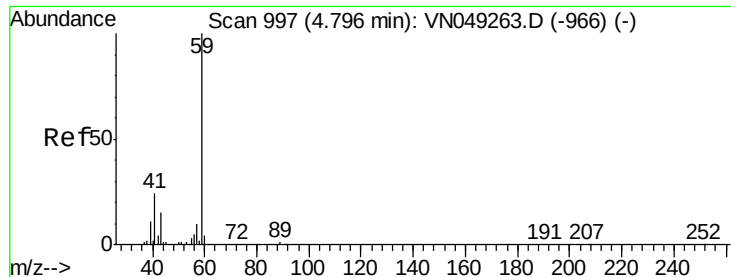


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): VN049567.D (-641) (-)

Ion 140.80 (140.50 to 141.50): VN049567.D (-641) (-)





#11

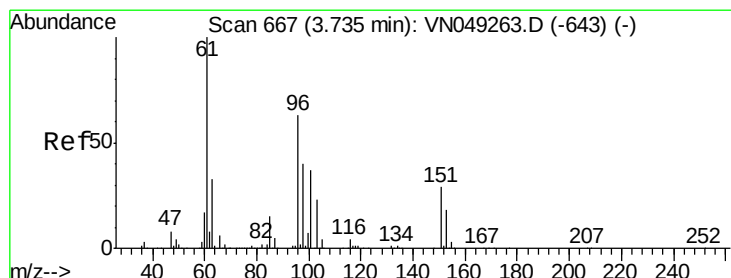
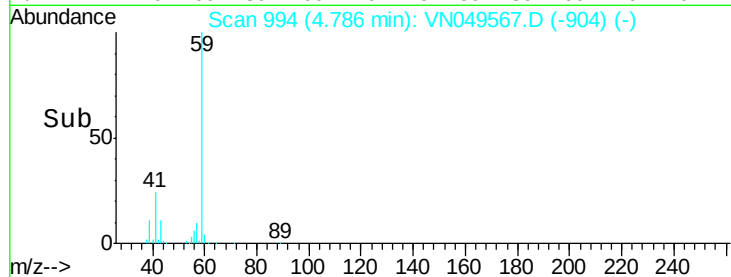
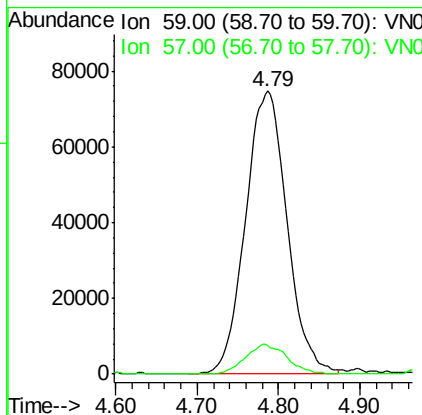
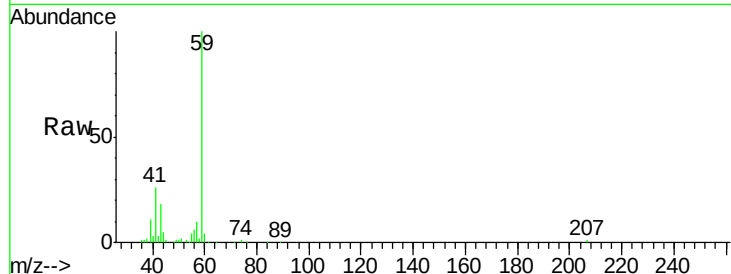
Tert butyl alcohol  
Concen: 210.37 ug/l  
RT: 4.79 min Scan# 994  
Delta R.T. -0.01 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.7  | 9.0   | 13.6  |

Manual Integrations  
APPROVED

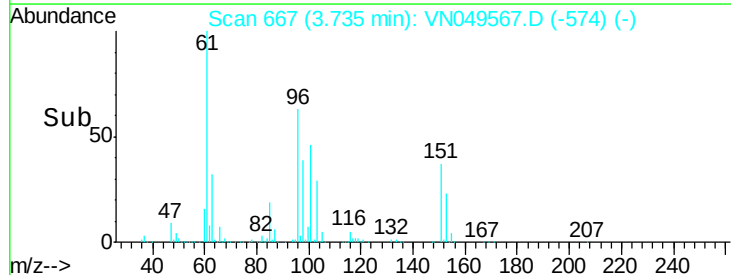
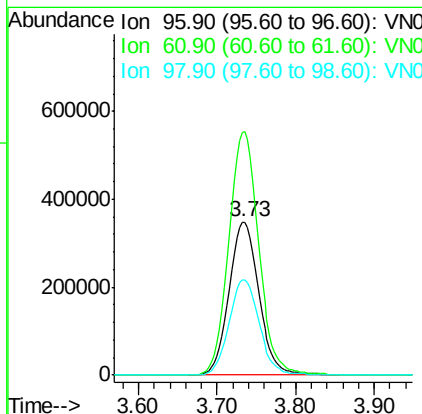
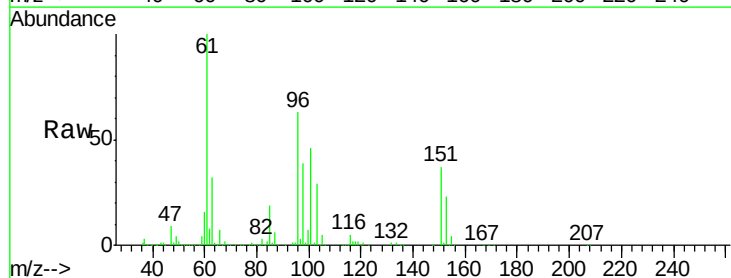
MMDadoda  
6/28/2018 4:38:08 PM

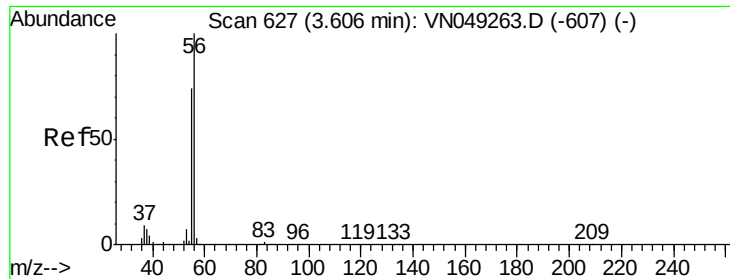


#12

1,1-Dichloroethene  
Concen: 49.74 ug/l  
RT: 3.73 min Scan# 667  
Delta R.T. 0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 159.1 | 141.0 | 211.4 |
| 98      | 62.3  | 50.4  | 75.6  |





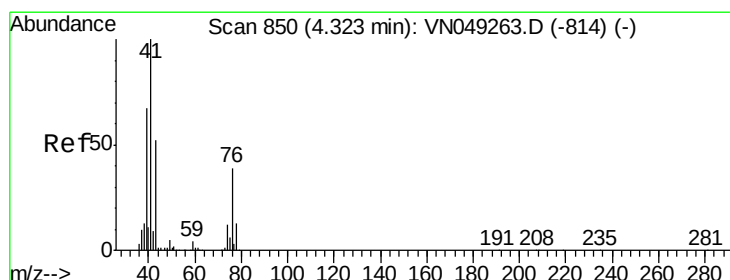
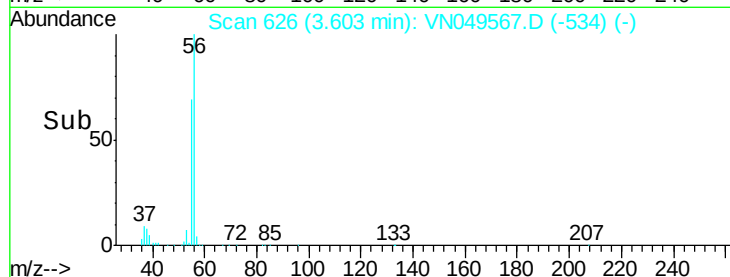
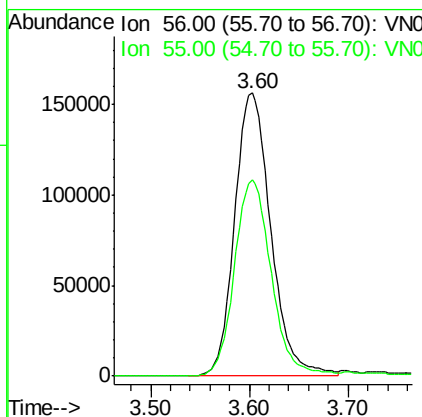
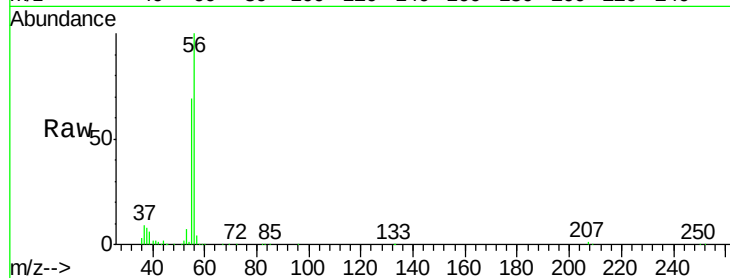
#13  
Acrolein  
Concen: 302.72 ug/l  
RT: 3.60 min Scan# 626  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 56      | 56  | 100   |       |       |
| 55      | 55  | 69.8  | 57.1  | 85.7  |

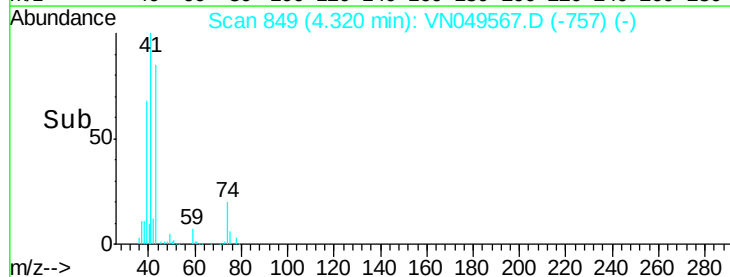
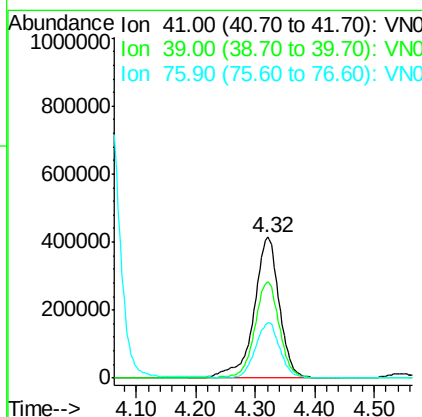
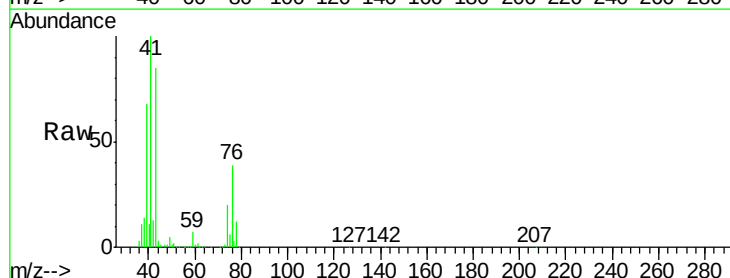
Manual Integrations  
APPROVED

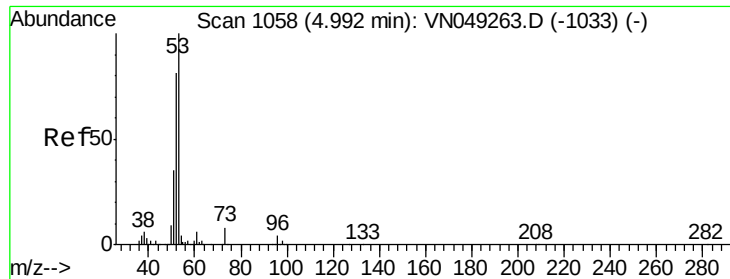
MMDadoda  
6/28/2018 4:38:08 PM



#14  
Allyl chloride  
Concen: 42.71 ug/l  
RT: 4.32 min Scan# 849  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 41      | 41  | 100   |       |       |
| 39      | 39  | 66.0  | 62.5  | 93.7  |
| 76      | 76  | 37.2  | 27.1  | 40.7  |





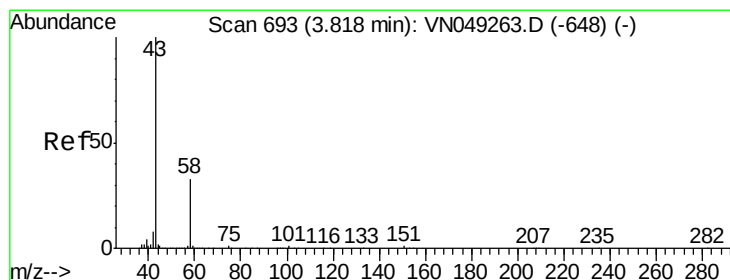
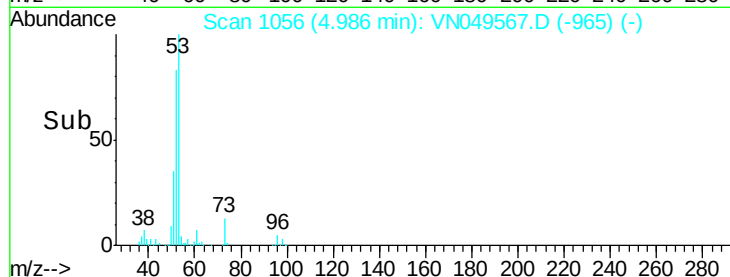
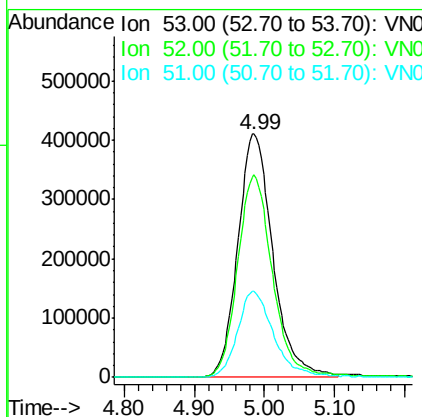
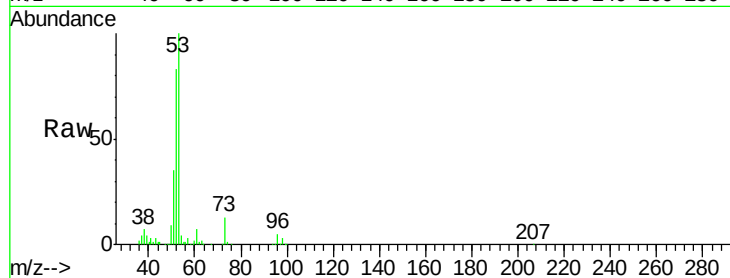
#15  
 Acrylonitrile  
 Concen: 226.57 ug/l  
 RT: 4.99 min Scan# 1056  
 Delta R.T. -0.01 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 82.9  | 66.6  | 100.0 |
| 51      | 36.4  | 29.8  | 44.8  |

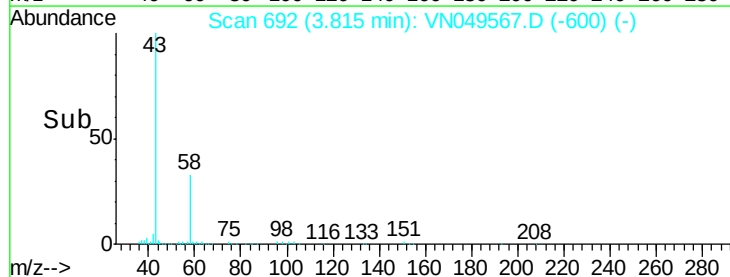
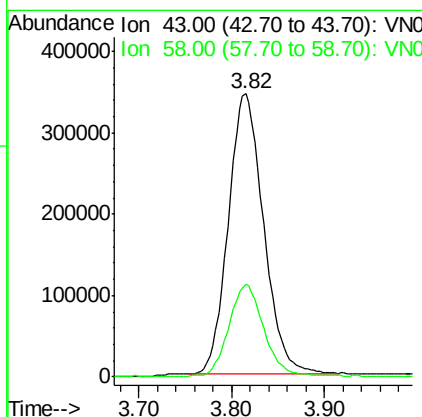
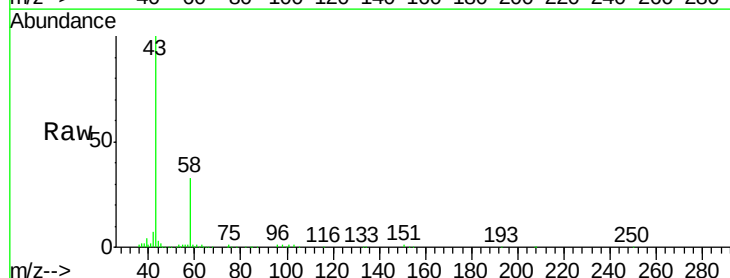
Manual Integrations  
 APPROVED

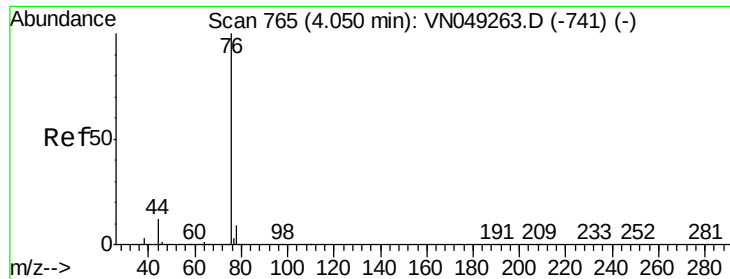
MMDadoda  
 6/28/2018 4:38:08 PM



#16  
 Acetone  
 Concen: 175.78 ug/l  
 RT: 3.82 min Scan# 692  
 Delta R.T. -0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 32.5  | 22.4  | 33.6  |





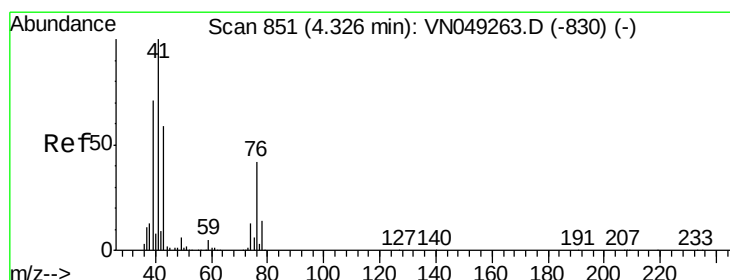
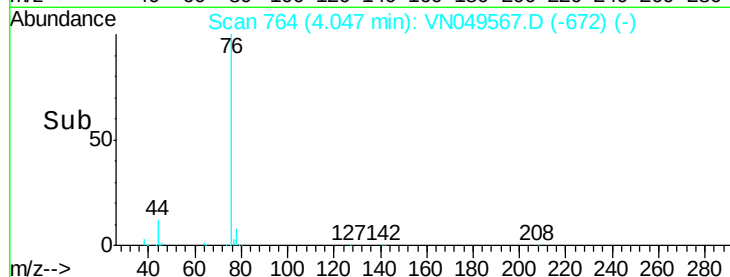
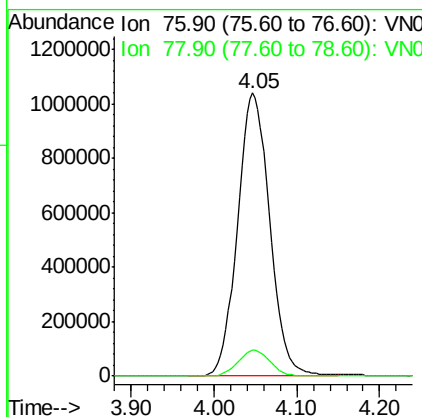
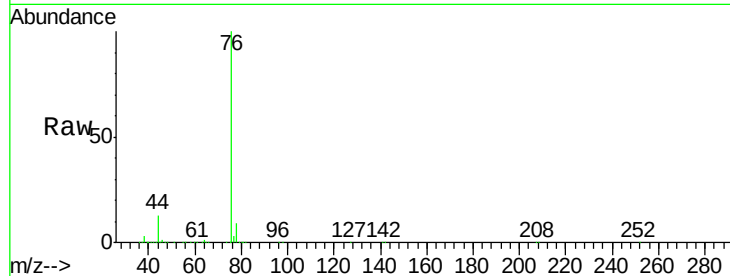
#17  
Carbon Disulfide  
Concen: 48.44 ug/l  
RT: 4.05 min Scan# 764  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 76 Resp: 2806804  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.4 11.0

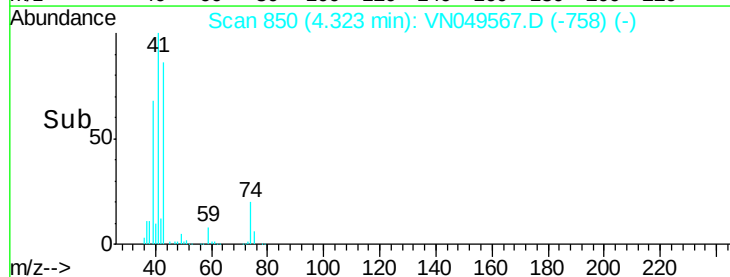
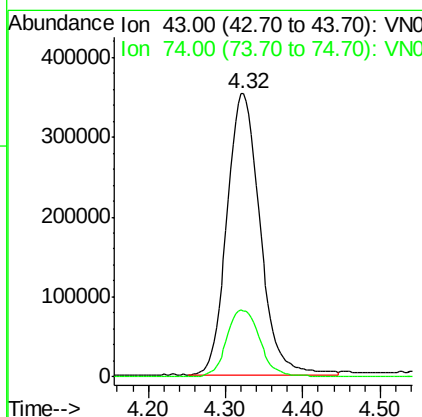
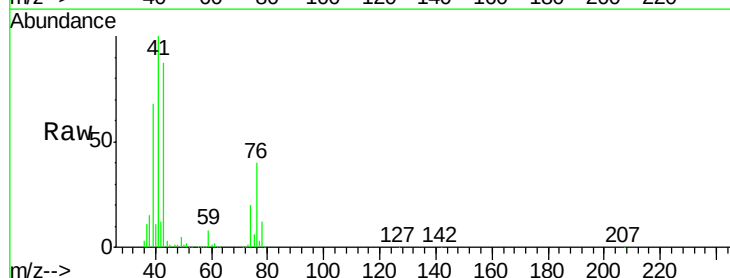
Manual Integrations  
APPROVED

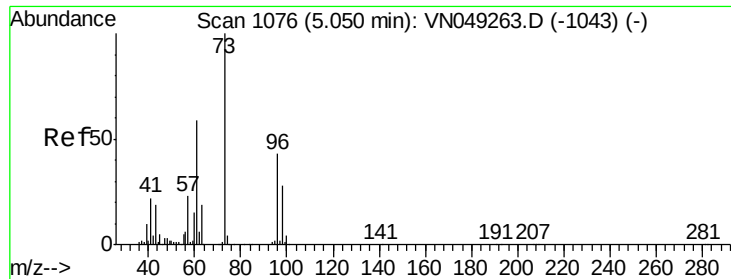
MMDadoda  
6/28/2018 4:38:08 PM



#18  
Methyl Acetate  
Concen: 65.89 ug/l  
RT: 4.32 min Scan# 850  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Tgt Ion: 43 Resp: 1043190  
Ion Ratio Lower Upper  
43 100  
74 24.2 17.4 26.0





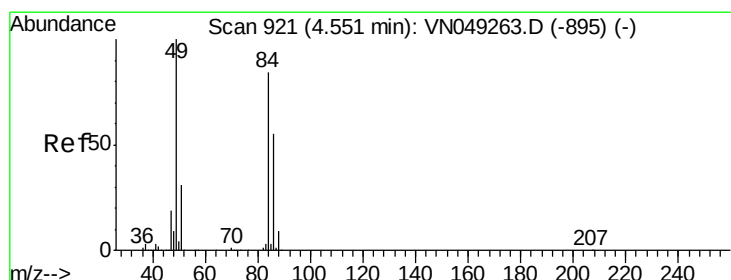
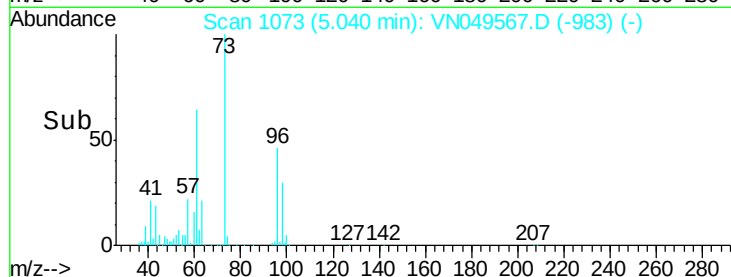
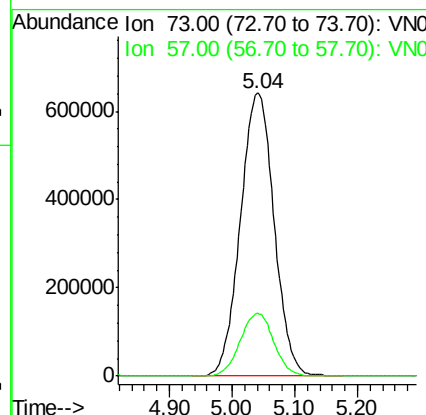
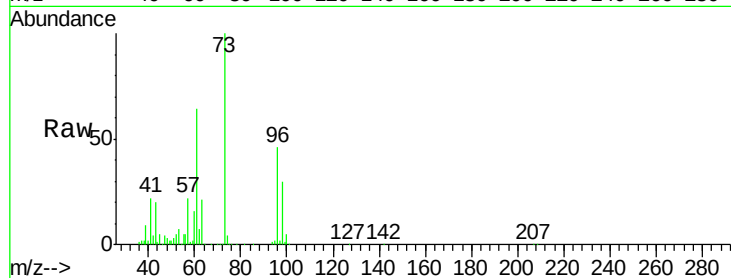
#19  
Methyl tert-butyl Ether  
Concen: 50.77 ug/l  
RT: 5.04 min Scan# 1073  
Delta R.T. -0.01 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 2392939  
Ion Ratio Lower Upper  
73 100  
57 22.2 18.2 27.4

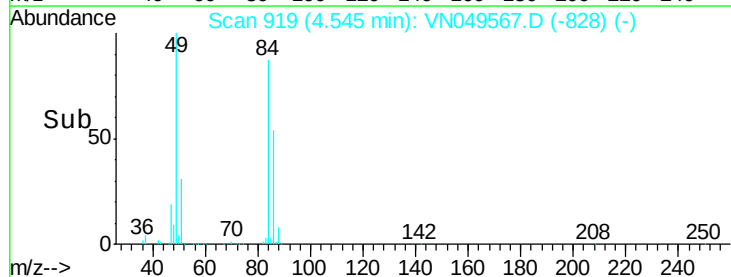
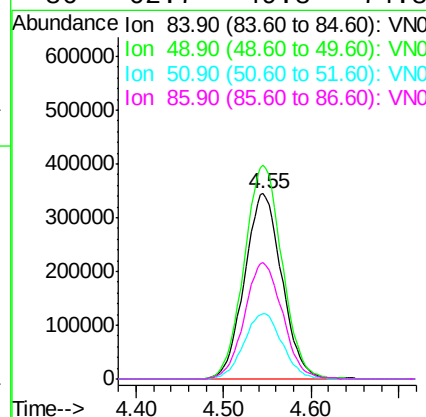
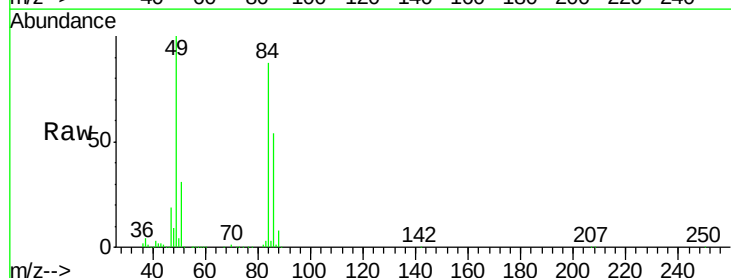
Manual Integrations  
APPROVED

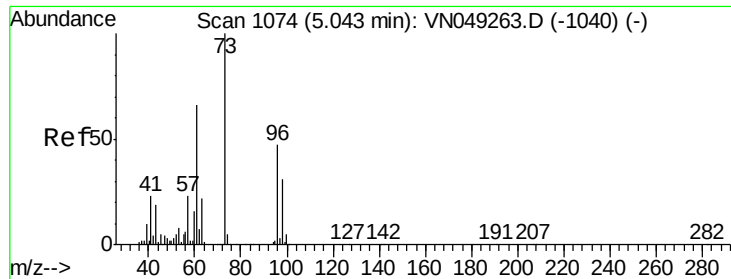
MMDadoda  
6/28/2018 4:38:08 PM



#20  
Methylene Chloride  
Concen: 47.10 ug/l  
RT: 4.55 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Tgt Ion: 84 Resp: 1021305  
Ion Ratio Lower Upper  
84 100  
49 115.3 106.9 160.3  
51 35.4 32.7 49.1  
86 62.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 50.08 ug/l

RT: 5.03 min Scan# 1071

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

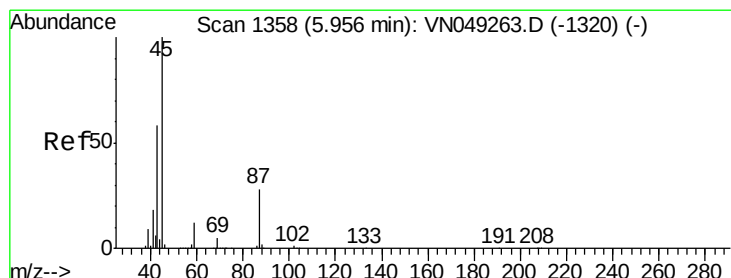
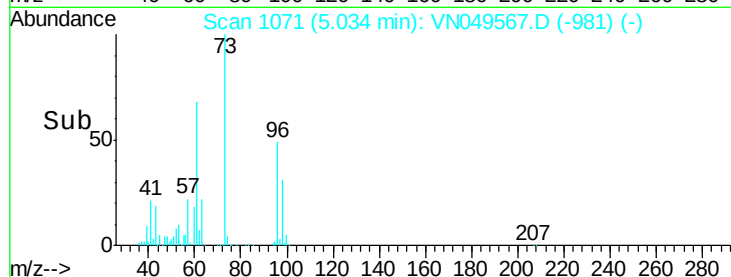
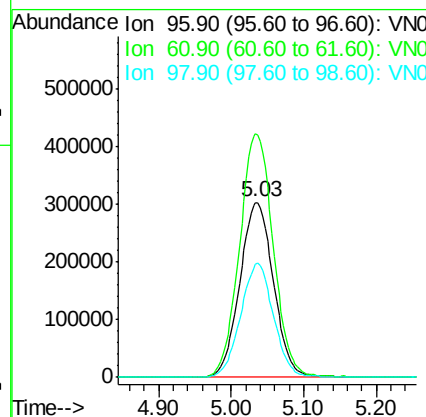
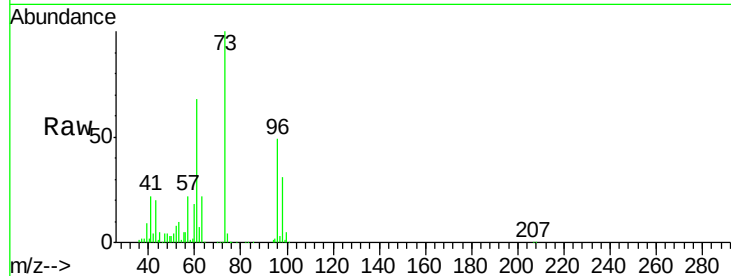
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 980124 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 139.0 | 121.3 | 181.9  |
| 98       | 64.4  | 52.0  | 78.0   |

Manual Integrations  
APPROVED

MMDadoda  
6/28/2018 4:38:08 PM



#22

Diisopropyl ether

Concen: 51.64 ug/l

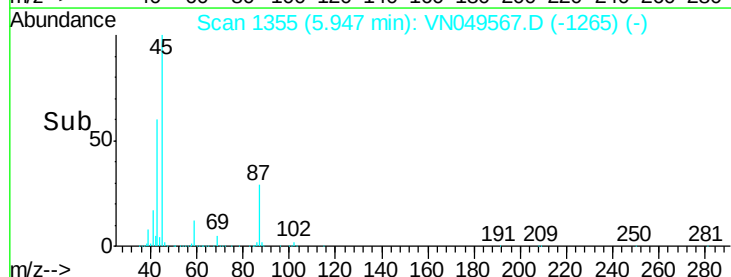
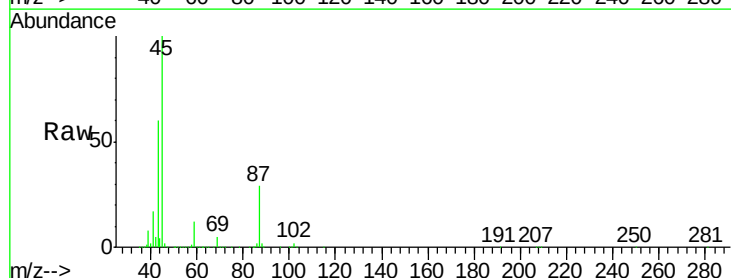
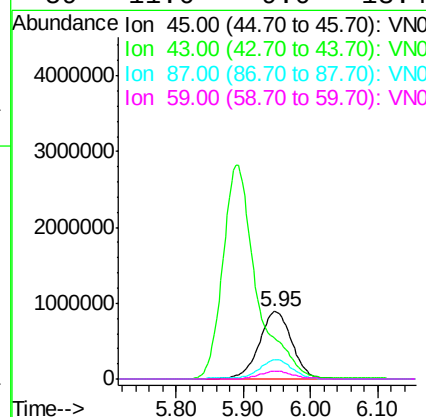
RT: 5.95 min Scan# 1355

Delta R.T. -0.01 min

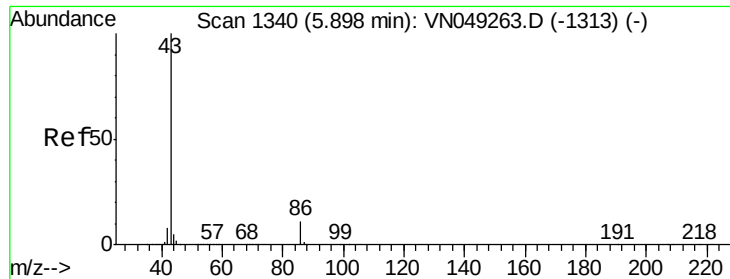
Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 45    | Resp: | 3009764 |
| Ion      | Ratio | Lower | Upper   |
| 45       | 100   |       |         |
| 43       | 59.1  | 48.6  | 72.8    |
| 87       | 28.4  | 20.2  | 30.2    |
| 59       | 11.6  | 9.0   | 13.4    |







#23

Vinyl Acetate

Concen: 259.96 ug/l

RT: 5.89 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9877959

Ion Ratio Lower Upper

43 100

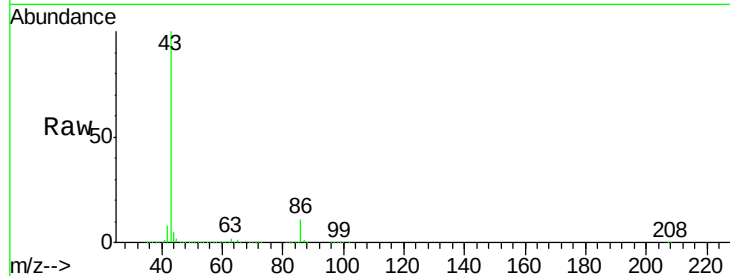
86 10.7 7.2 10.8

Manual Integrations

APPROVED

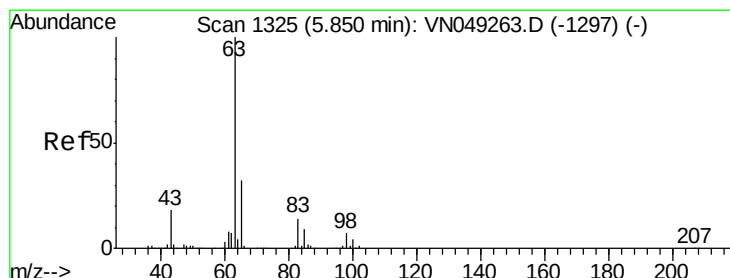
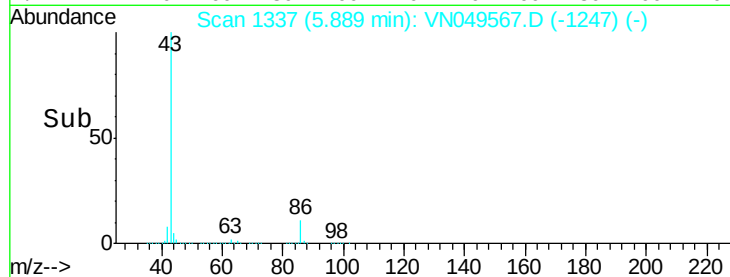
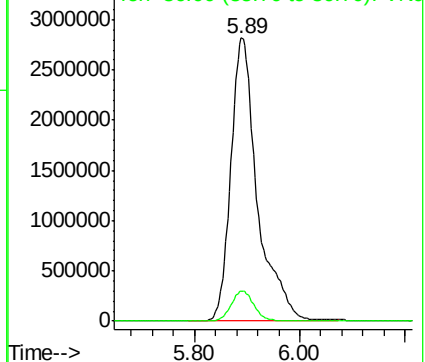
MMDadoda

6/28/2018 4:38:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-1313) (-)

Ion 86.00 (85.70 to 86.70): VN049263.D (-1313) (-)



#24

1,1-Dichloroethane

Concen: 48.77 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

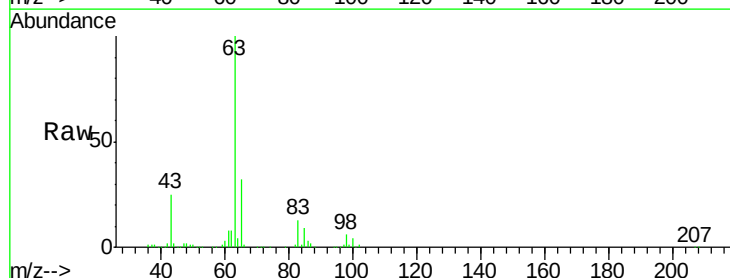
Tgt Ion: 63 Resp: 1819404

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

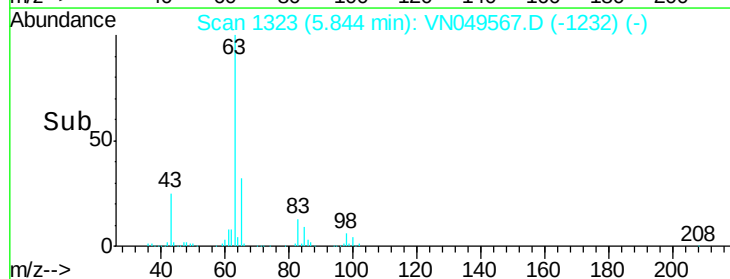
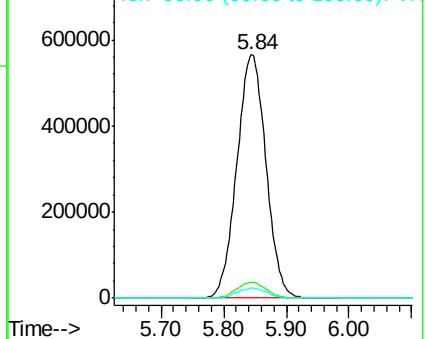
100 4.1 2.1 6.3

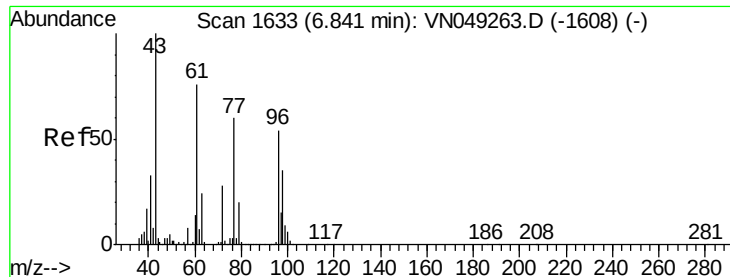


Abundance Ion 62.90 (62.60 to 63.60): VN049263.D (-1297) (-)

Ion 97.90 (97.60 to 98.60): VN049263.D (-1297) (-)

Ion 99.90 (99.60 to 100.60): VN049263.D (-1297) (-)





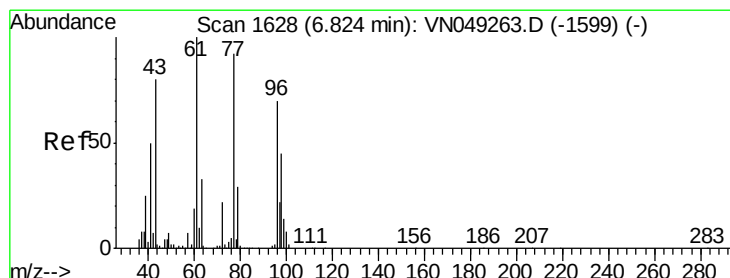
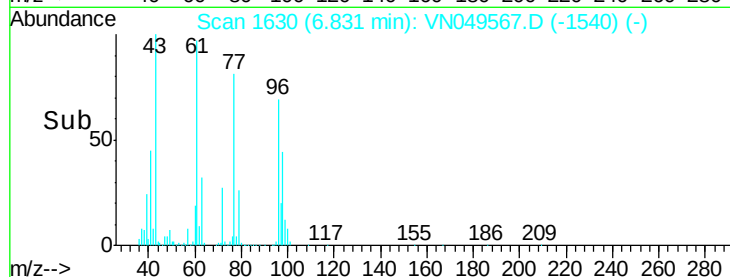
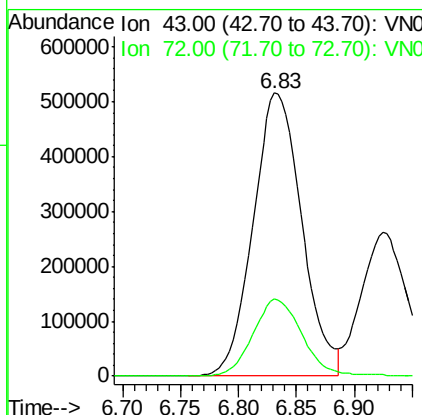
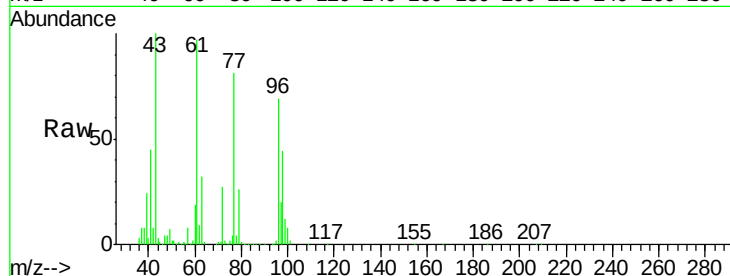
#25  
2-Butanone  
Concen: 215.06 ug/l  
RT: 6.83 min Scan# 1630  
Delta R.T. -0.01 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 1499348  
Ion Ratio Lower Upper  
43 100  
72 27.3 20.2 30.2

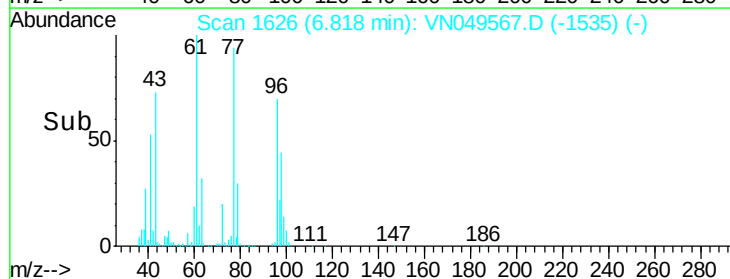
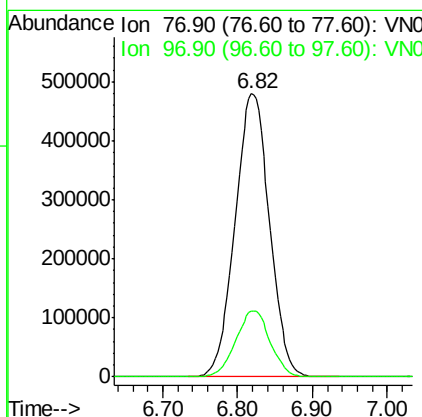
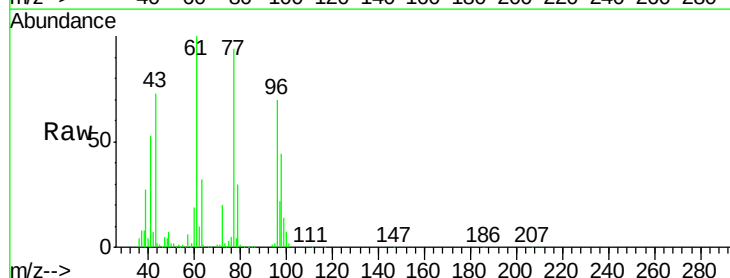
Manual Integrations  
APPROVED

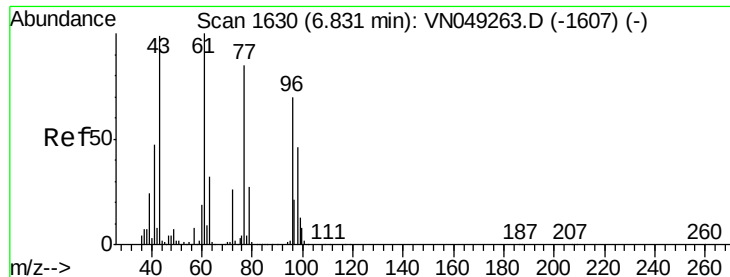
MMDadoda  
6/28/2018 4:38:08 PM



#26  
2,2-Dichloropropane  
Concen: 50.90 ug/l  
RT: 6.82 min Scan# 1626  
Delta R.T. -0.01 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Tgt Ion: 77 Resp: 1533479  
Ion Ratio Lower Upper  
77 100  
97 23.2 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 50.65 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 1102093

Ion Ratio Lower Upper

96 100

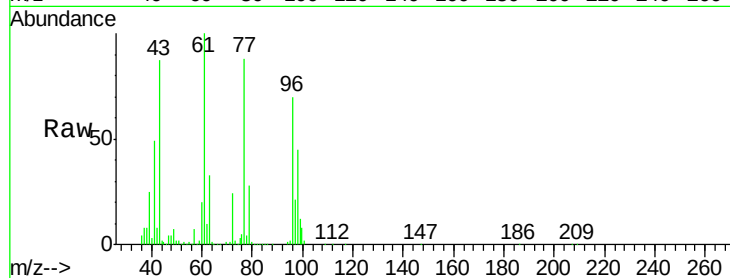
61 144.4 0.0 316.4

98 63.7 0.0 128.4

Manual Integrations  
APPROVED

MMDadoda

6/28/2018 4:38:08 PM

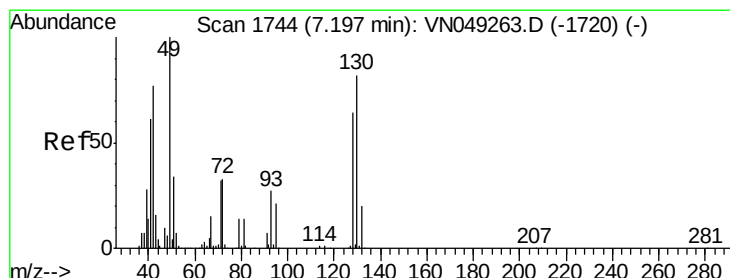
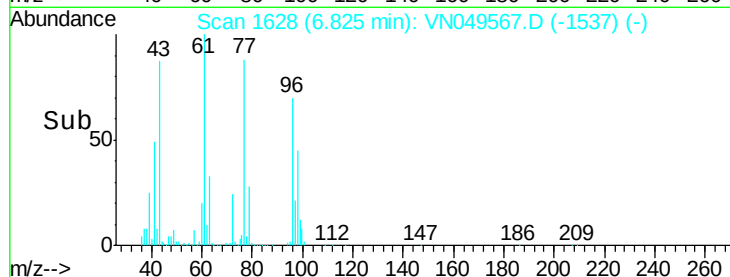
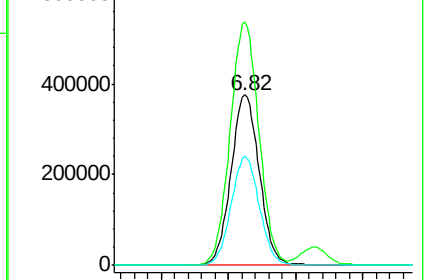


Abundance Ion 95.90 (95.60 to 96.60): VN049263.D (-1607) (-)

Ion 60.90 (60.60 to 61.60): VN049263.D (-1607) (-)

Ion 97.90 (97.60 to 98.60): VN049263.D (-1607) (-)

6.82



#28

Bromochloromethane

Concen: 46.75 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

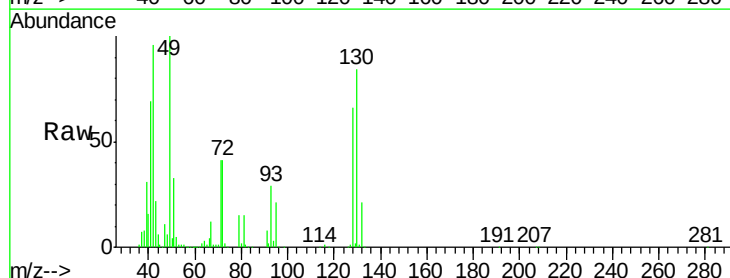
Tgt Ion: 49 Resp: 773260

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 83.0 54.9 82.3#

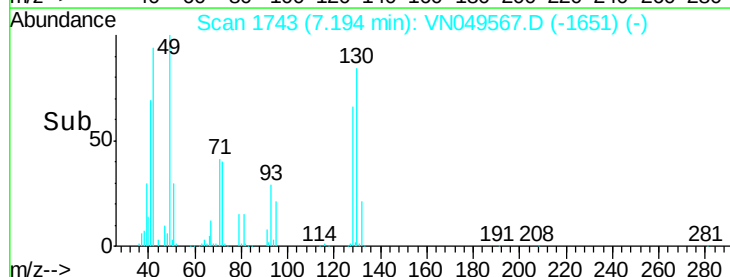
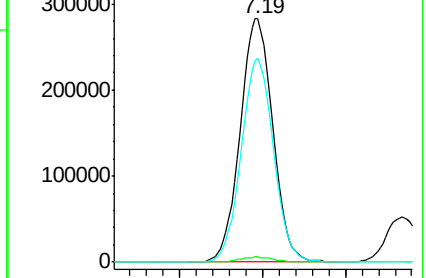


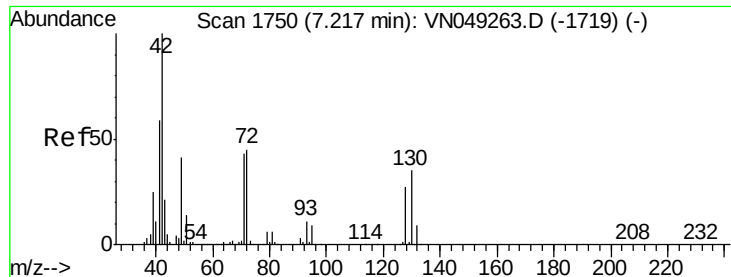
Abundance Ion 48.90 (48.60 to 49.60): VN049263.D (-1720) (-)

Ion 128.80 (128.50 to 129.50): VN049263.D (-1720) (-)

Ion 129.80 (129.50 to 130.50): VN049263.D (-1720) (-)

7.19





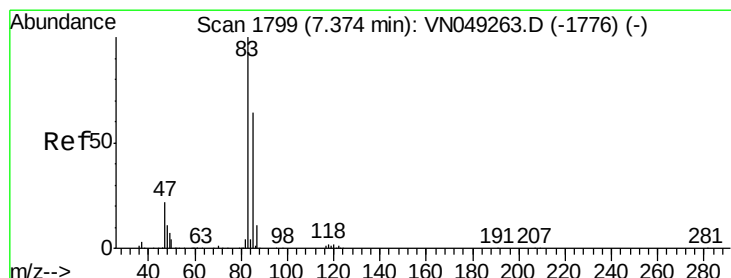
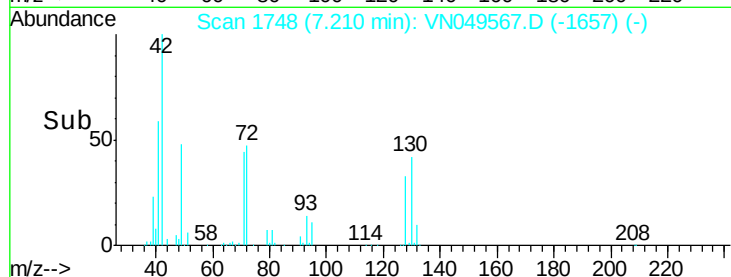
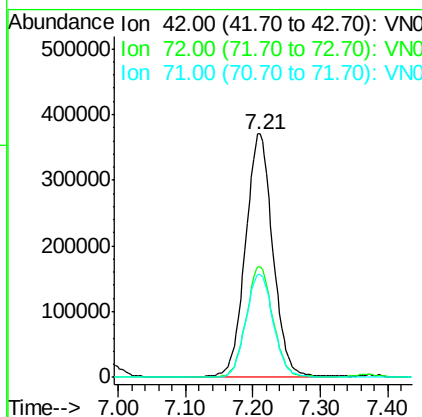
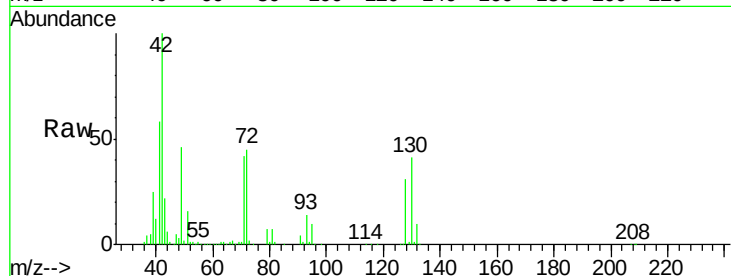
#29  
Tetrahydrofuran  
Concen: 232.88 ug/l  
RT: 7.21 min Scan# 1748  
Delta R.T. -0.01 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.3  | 32.2  | 48.4  |
| 71      | 42.5  | 30.5  | 45.7  |

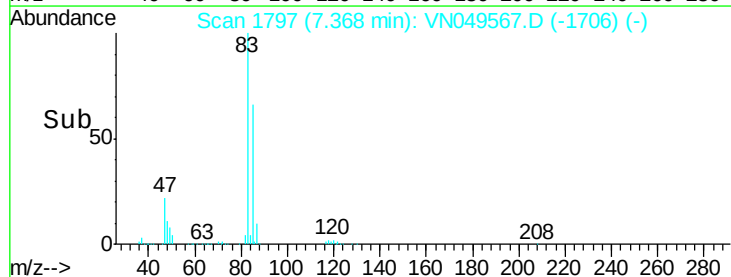
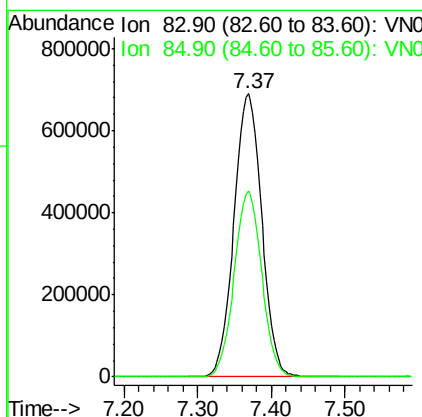
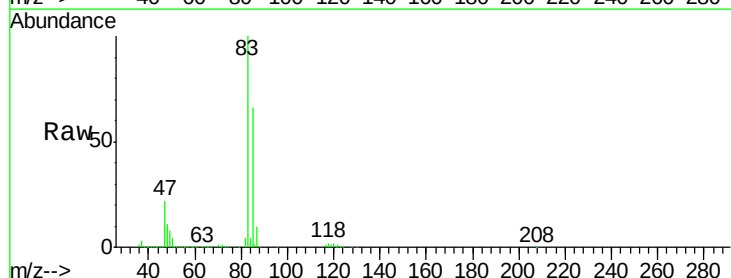
Manual Integrations  
APPROVED

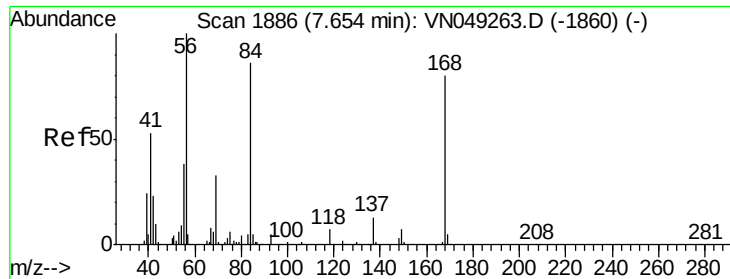
MMDadoda  
6/28/2018 4:38:08 PM



#30  
Chloroform  
Concen: 48.86 ug/l  
RT: 7.37 min Scan# 1797  
Delta R.T. -0.01 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.6  | 51.7  | 77.5  |





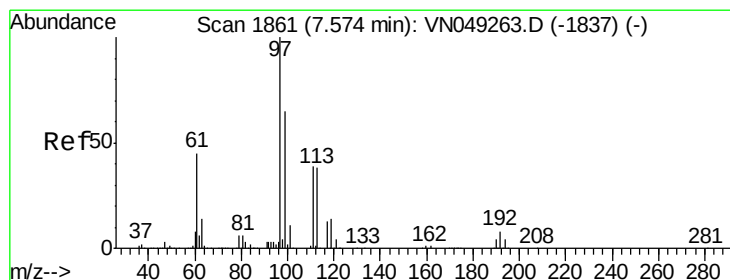
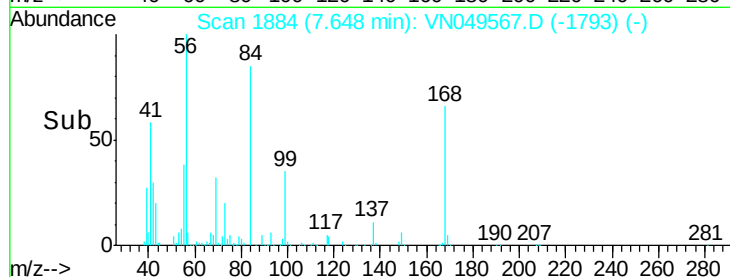
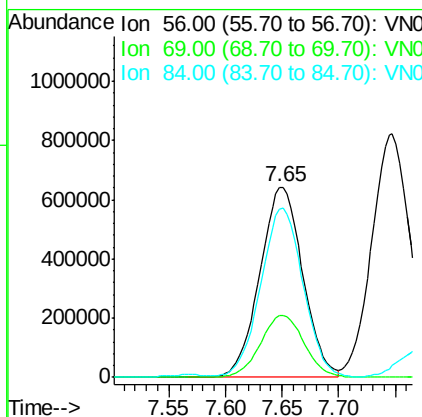
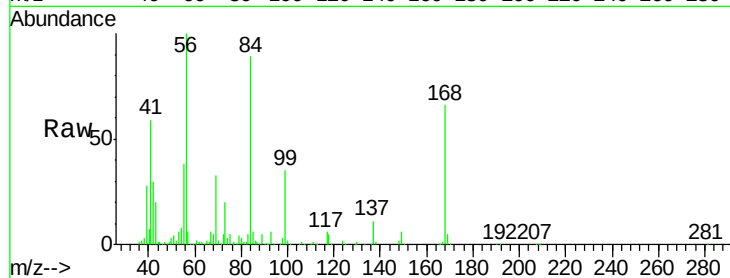
#31  
Cyclohexane  
Concen: 53.42 ug/l  
RT: 7.65 min Scan# 1884  
Delta R.T. -0.01 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.5  | 25.0  | 37.4  |
| 84      | 87.1  | 64.6  | 96.8  |

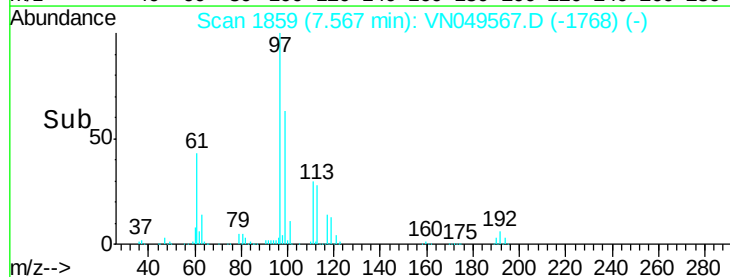
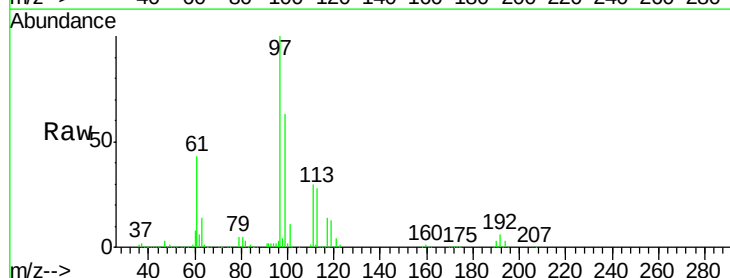
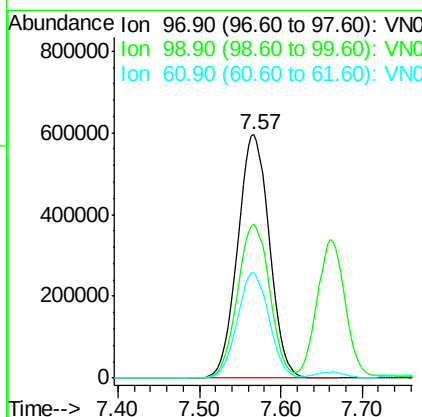
Manual Integrations  
APPROVED

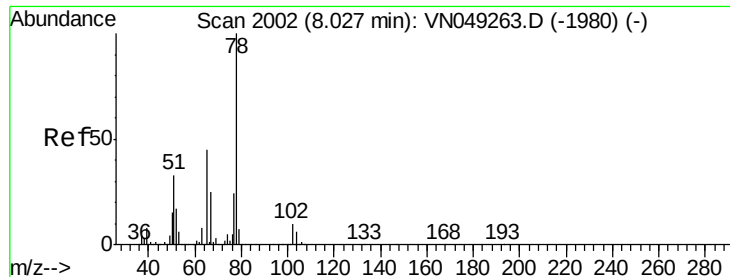
MMDadoda  
6/28/2018 4:38:08 PM



#32  
1,1,1-Trichloroethane  
Concen: 50.38 ug/l  
RT: 7.57 min Scan# 1859  
Delta R.T. -0.01 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.3  | 50.5  | 75.7  |
| 61      | 43.4  | 37.9  | 56.9  |





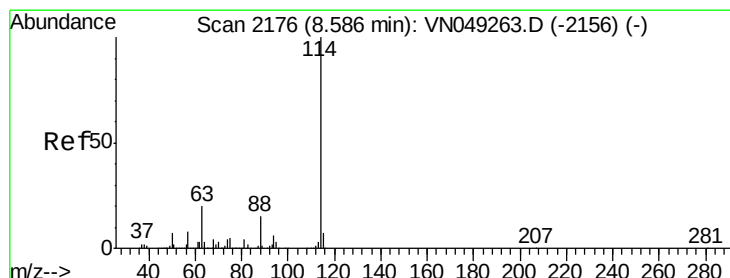
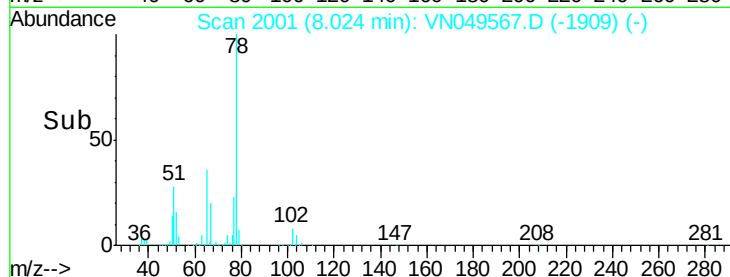
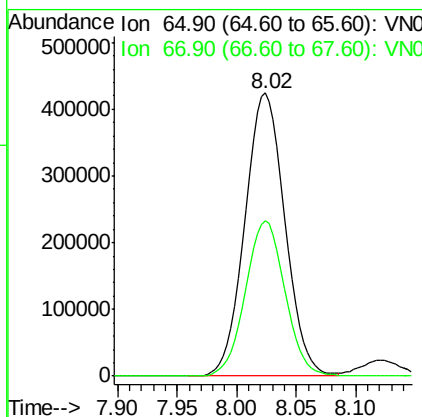
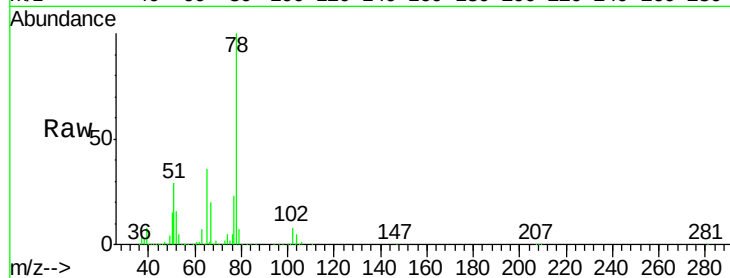
#33  
 1,2-Dichloroethane-d4  
 Concen: 46.29 ug/l  
 RT: 8.02 min Scan# 2001  
 Delta R.T. -0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.5  | 0.0   | 103.8 |

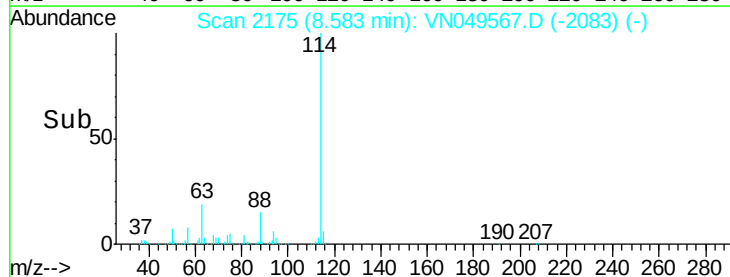
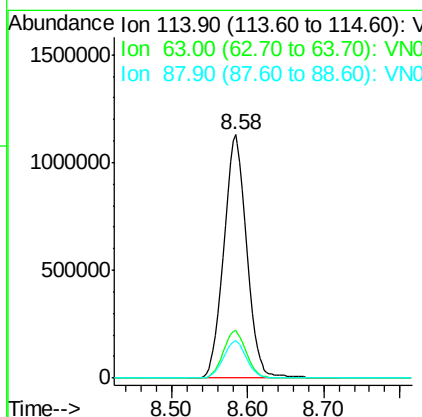
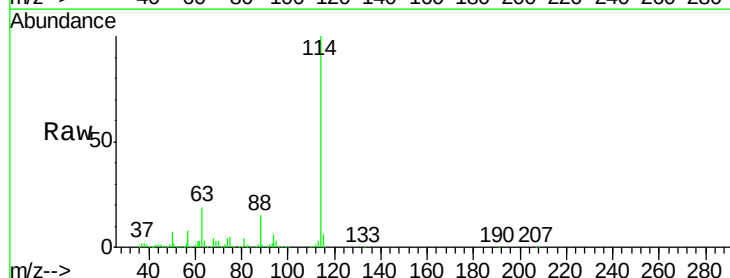
Manual Integrations  
 APPROVED

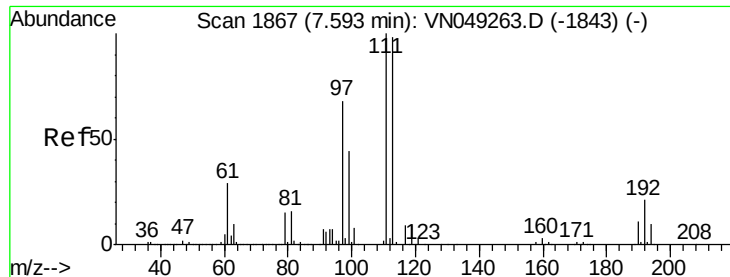
MMDadoda  
 6/28/2018 4:38:08 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.58 min Scan# 2175  
 Delta R.T. -0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.4  | 0.0   | 44.4  |
| 88      | 15.4  | 0.0   | 31.4  |





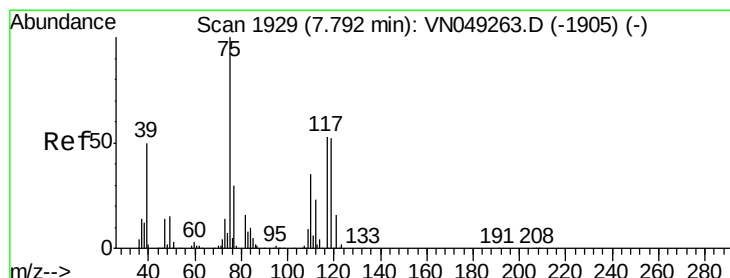
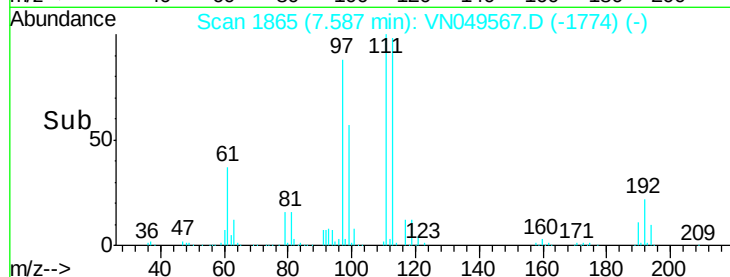
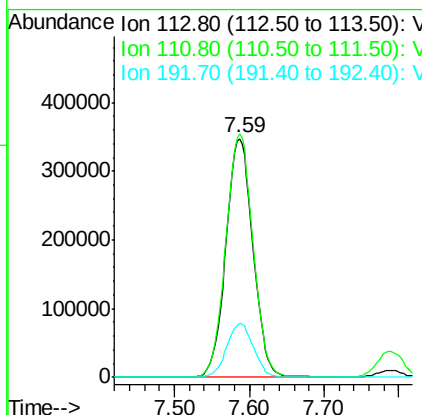
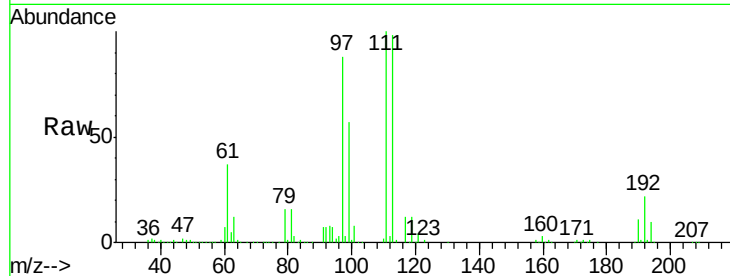
#35  
 Dibromofluoromethane  
 Concen: 45.48 ug/l  
 RT: 7.59 min Scan# 1865  
 Delta R.T. -0.01 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 873743 |       |       |
| 111     | 102.2 | 82.4   | 123.6 |       |
| 192     | 22.3  | 15.0   | 22.6  |       |

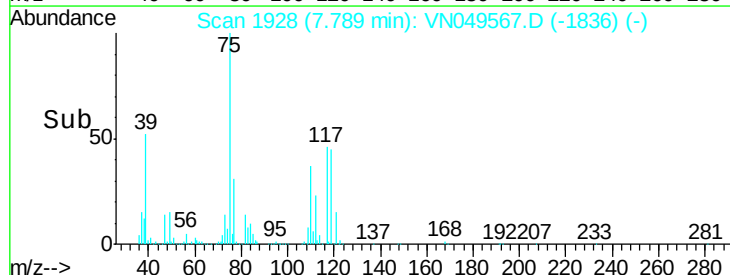
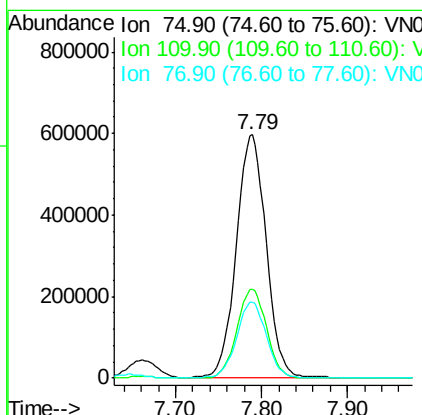
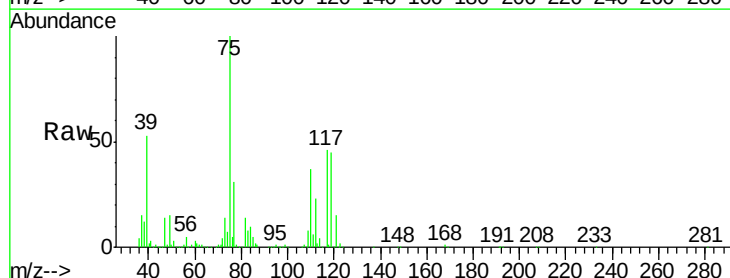
Manual Integrations  
 APPROVED

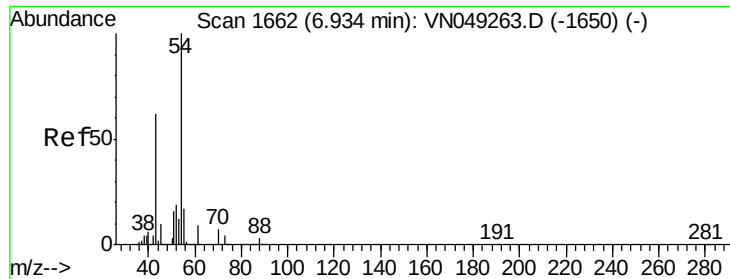
MMDadoda  
 6/28/2018 4:38:08 PM



#36  
 1,1-Dichloropropene  
 Concen: 52.66 ug/l  
 RT: 7.79 min Scan# 1928  
 Delta R.T. -0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 75      | 100   | 1433296 |       |       |
| 110     | 36.6  | 17.0    | 50.9  |       |
| 77      | 31.6  | 24.4    | 36.6  |       |





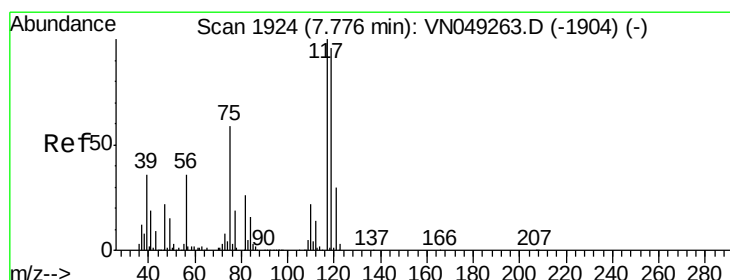
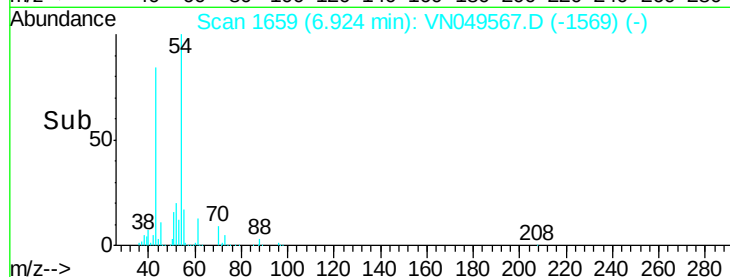
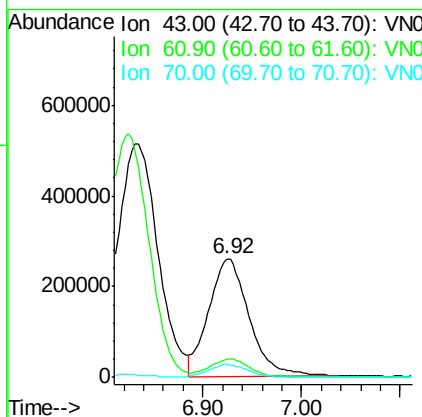
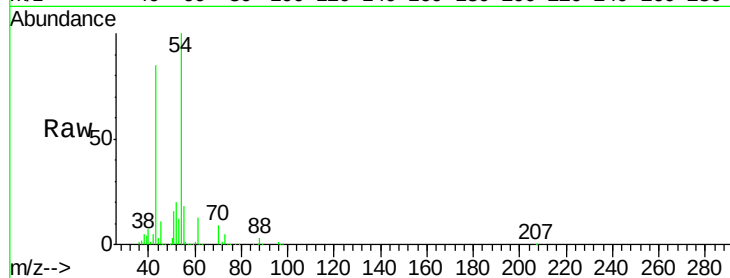
#37  
Ethyl Acetate  
Concen: 50.09 ug/l  
RT: 6.92 min Scan# 1659  
Delta R.T. -0.01 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.9  | 11.0  | 16.4  |
| 70      | 10.4  | 7.2   | 10.8  |

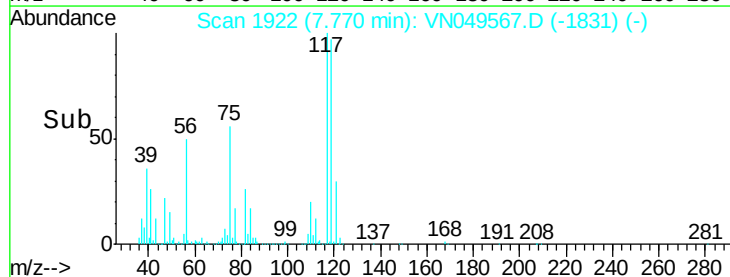
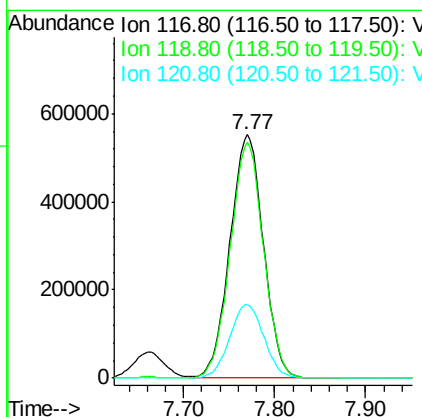
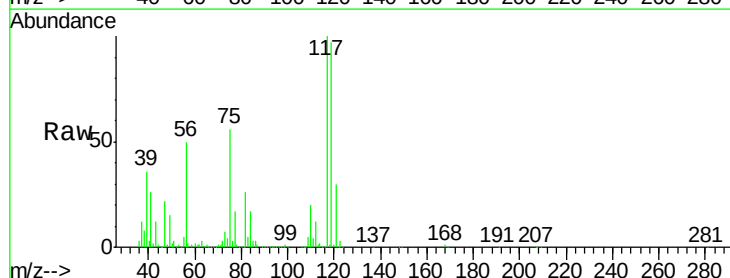
Manual Integrations  
APPROVED

MMDadoda  
6/28/2018 4:38:08 PM

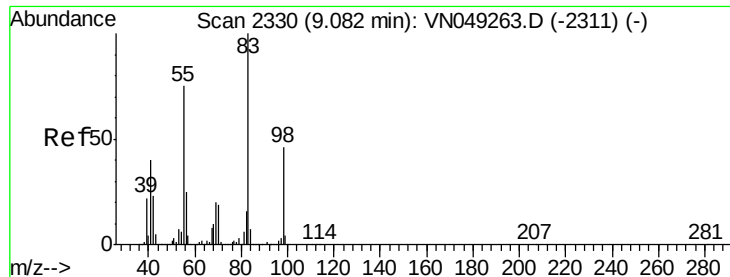


#38  
Carbon Tetrachloride  
Concen: 50.01 ug/l  
RT: 7.77 min Scan# 1922  
Delta R.T. -0.01 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.0  | 75.6  | 113.4 |
| 121     | 30.3  | 24.7  | 37.1  |







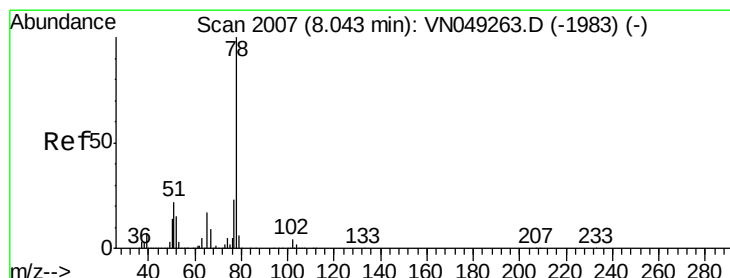
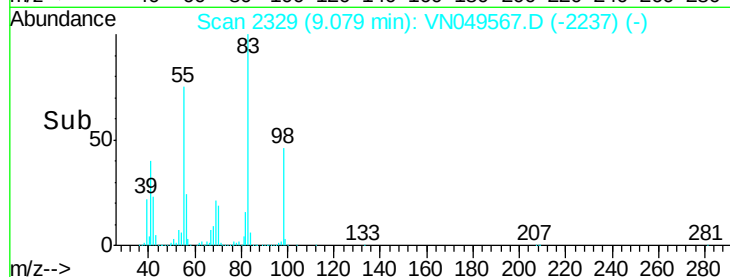
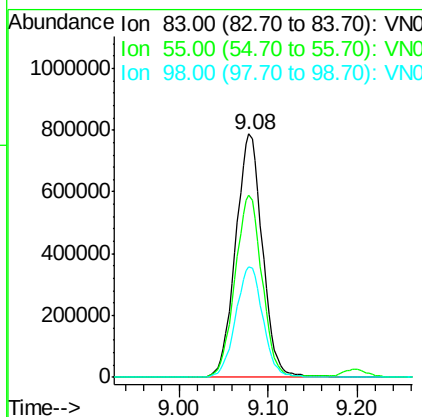
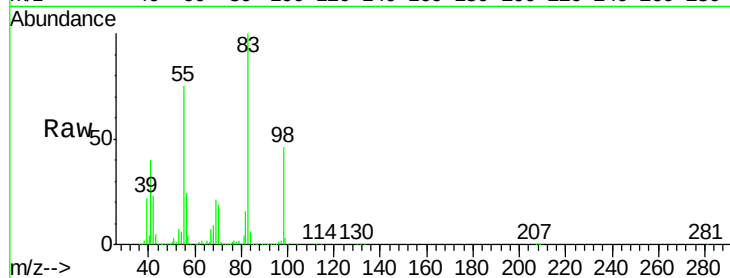
#39  
Methylvlcyclohexane  
Concen: 56.27 ug/l  
RT: 9.08 min Scan# 2329  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.0  | 65.1  | 97.7  |
| 98      | 45.6  | 36.5  | 54.7  |

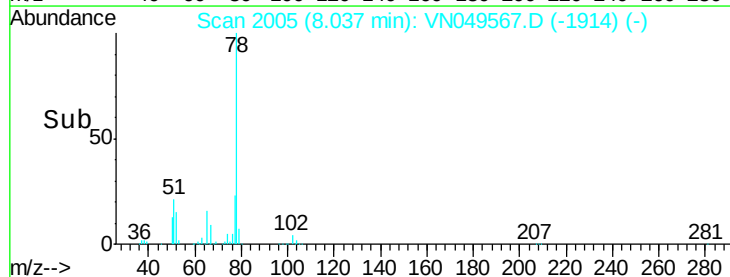
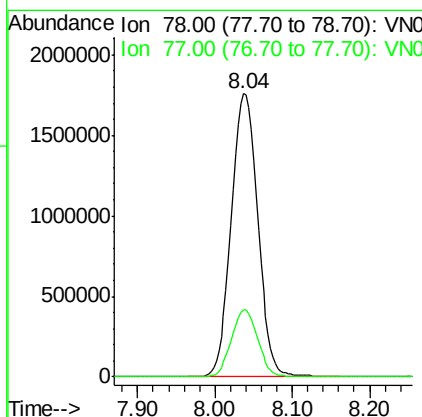
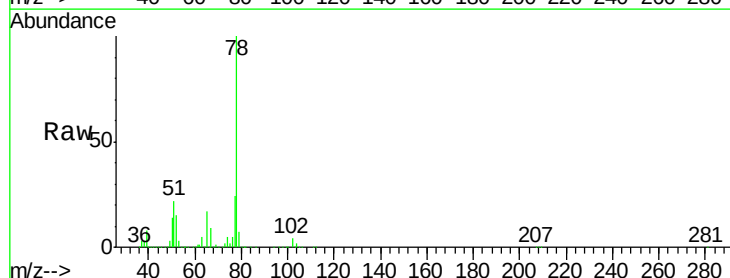
Manual Integrations  
APPROVED

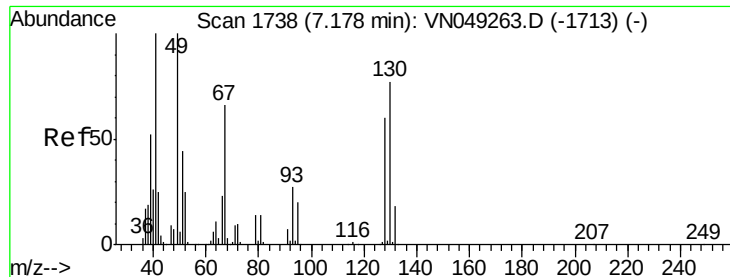
MMDadoda  
6/28/2018 4:38:08 PM



#40  
Benzene  
Concen: 50.19 ug/l  
RT: 8.04 min Scan# 2005  
Delta R.T. -0.01 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 19.4  | 29.0  |





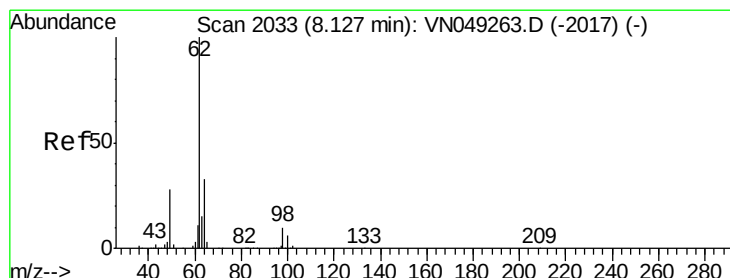
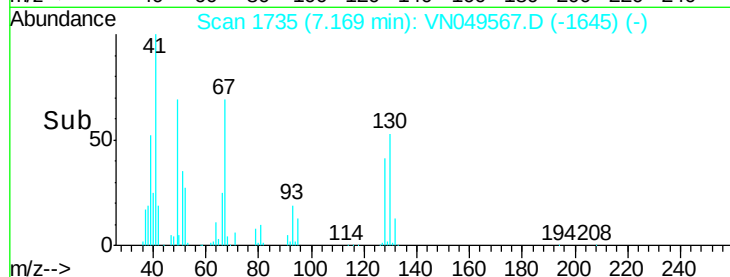
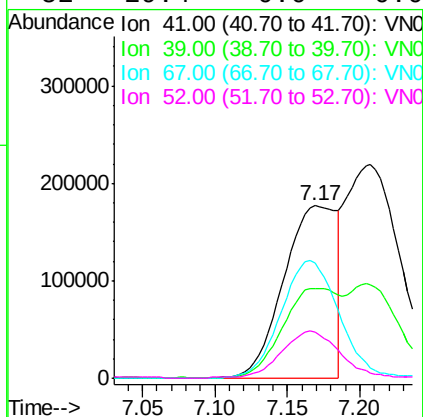
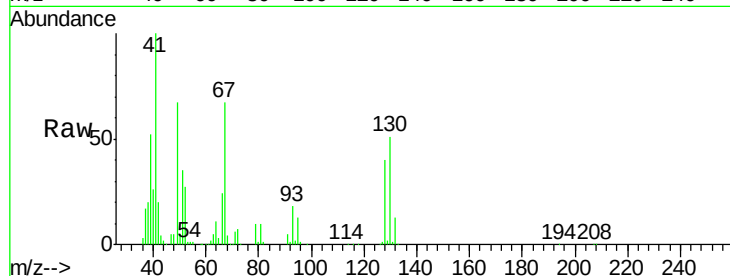
#41  
Methacrylonitrile  
Concen: 55.87 ug/l  
RT: 7.17 min Scan# 1735  
Delta R.T. -0.01 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 56.4  | 0.0   | 0.0#  |
| 67      | 75.8  | 0.0   | 0.0#  |
| 52      | 29.4  | 0.0   | 0.0#  |

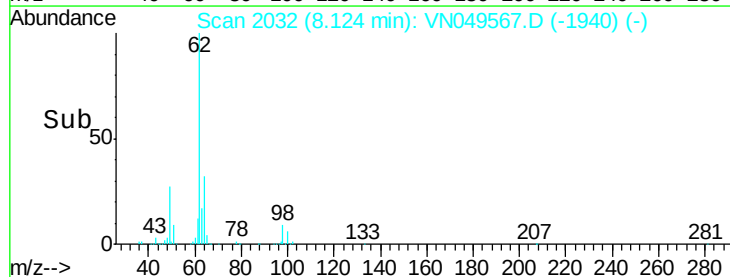
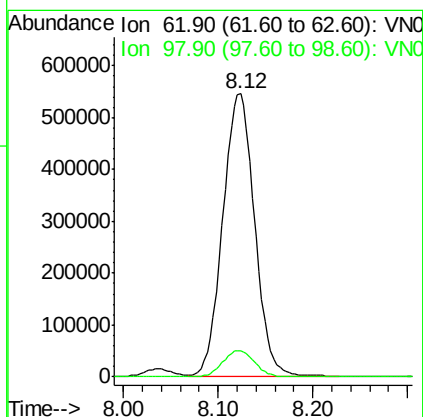
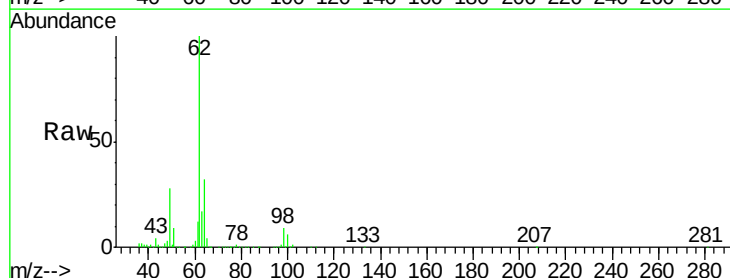
Manual Integrations  
APPROVED

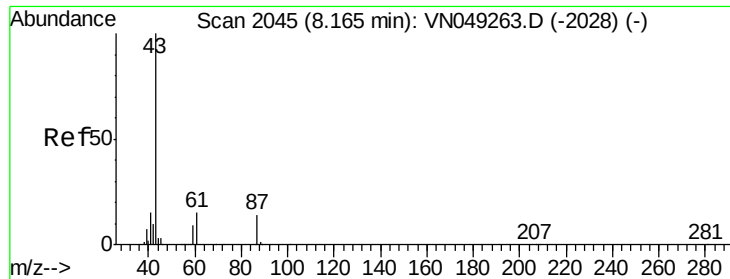
MMDadoda  
6/28/2018 4:38:08 PM



#42  
1,2-Dichloroethane  
Concen: 49.35 ug/l  
RT: 8.12 min Scan# 2032  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.4   | 0.0   | 16.2  |





#43

Isopropyl Acetate

Concen: 58.70 ug/l

RT: 8.16 min Scan# 2044

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1659346

Ion Ratio Lower Upper

43 100

61 17.0 14.2 21.4

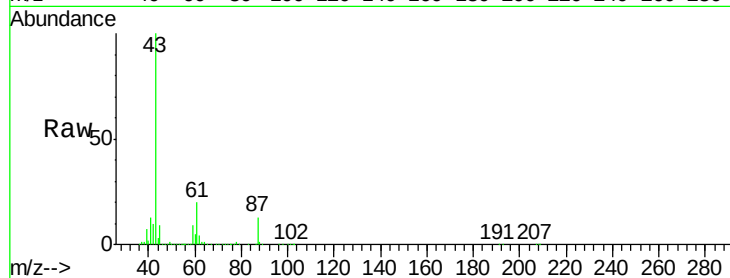
87 11.4 9.4 14.0

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:38:08 PM



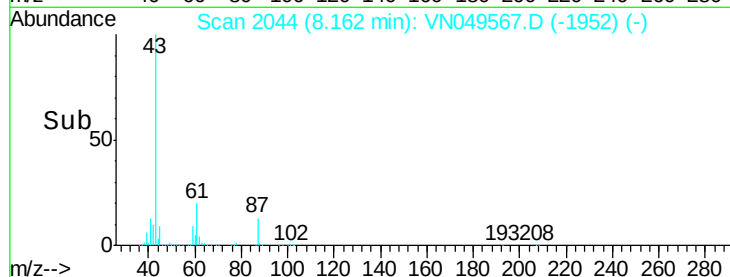
Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2028) (-)

Ion 61.00 (60.70 to 61.70): VN049263.D (-2028) (-)

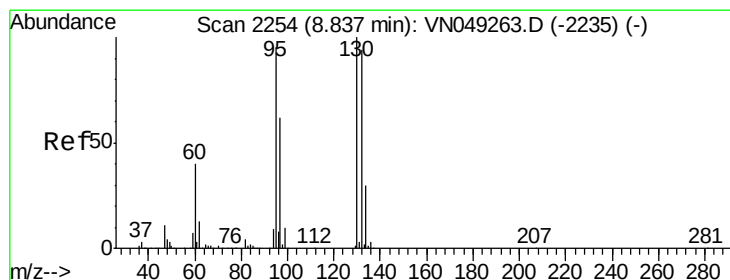
Ion 87.00 (86.70 to 87.70): VN049263.D (-2028) (-)

8.16

8.10 8.20 8.30



Time-->



#44

Trichloroethene

Concen: 55.22 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049567.D

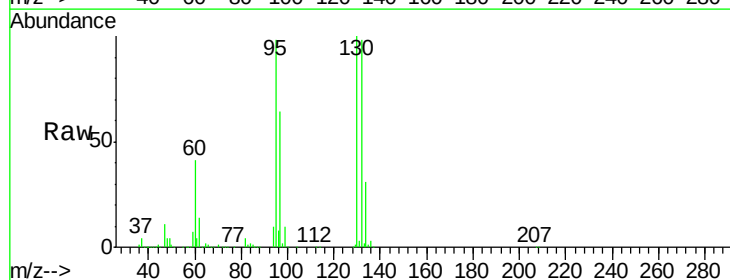
Acq: 27 Jun 2018 12:55

Tgt Ion:130 Resp: 1216656

Ion Ratio Lower Upper

130 100

95 97.7 0.0 208.6

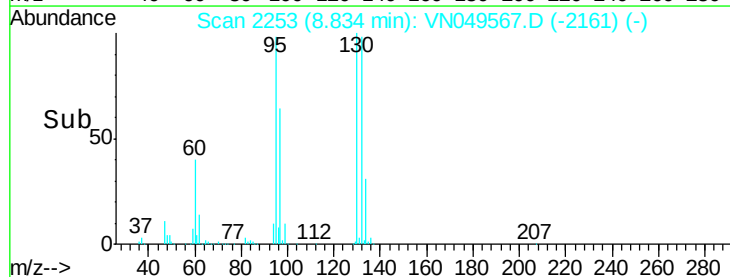


Abundance Ion 129.80 (129.50 to 130.50): VN049263.D (-2235) (-)

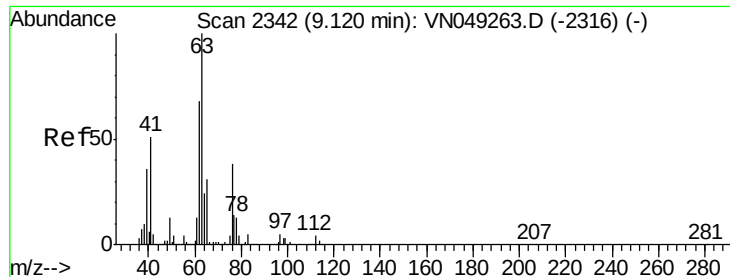
Ion 94.90 (94.60 to 95.60): VN049263.D (-2235) (-)

8.83

8.70 8.80 8.90 9.00



Time-->



#45

1,2-Dichloropropane

Concen: 50.18 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 1096333

Ion Ratio Lower Upper

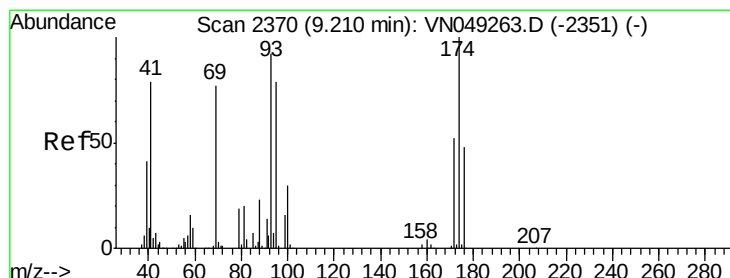
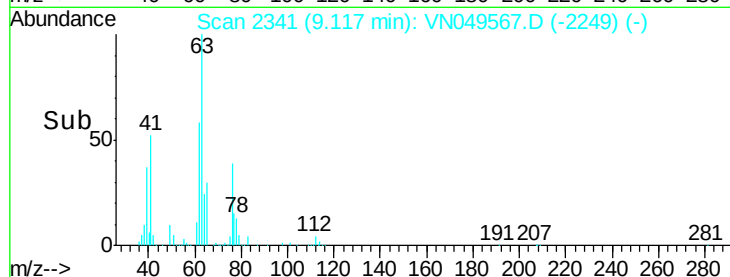
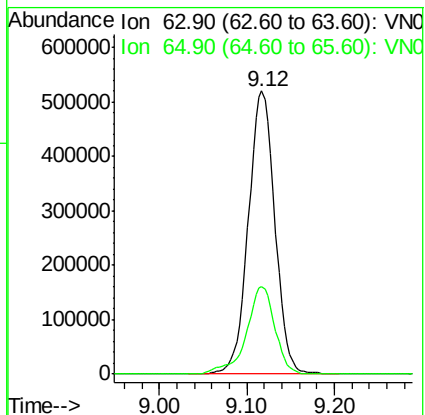
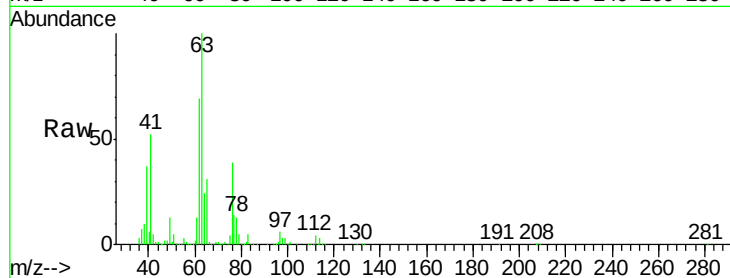
63 100

65 31.0 24.8 37.2

Manual Integrations  
APPROVED

MMDadoda

6/28/2018 4:38:08 PM



#46

Dibromomethane

Concen: 49.08 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

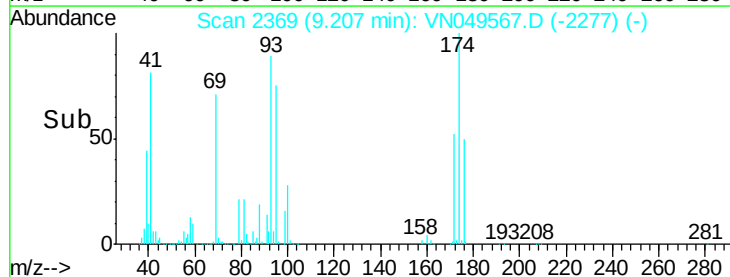
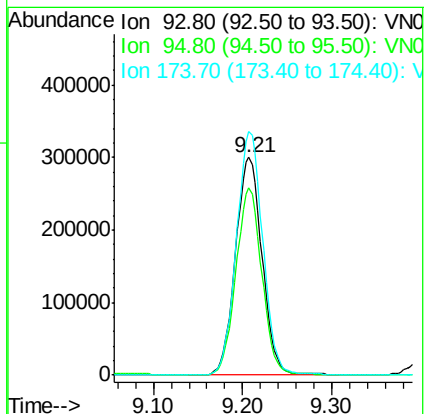
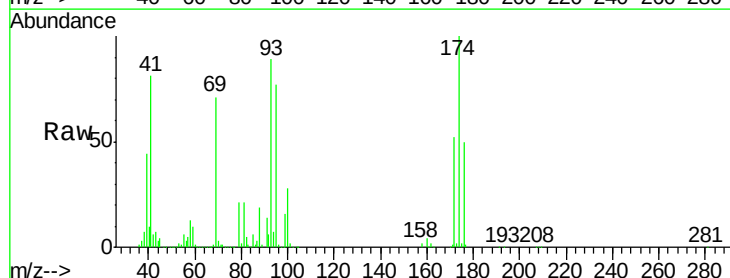
Tgt Ion: 93 Resp: 621724

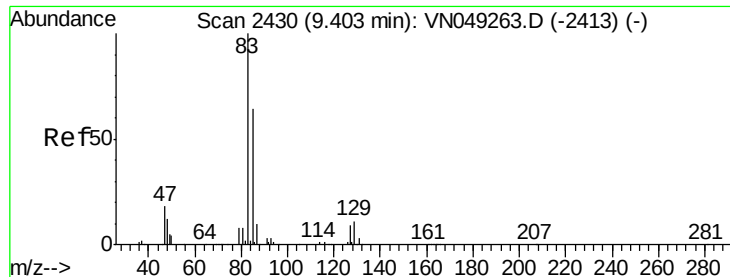
Ion Ratio Lower Upper

93 100

95 83.9 67.2 100.8

174 110.7 75.6 113.4





#47

Bromodichloromethane

Concen: 49.70 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1383535

Ion Ratio Lower Upper

83 100

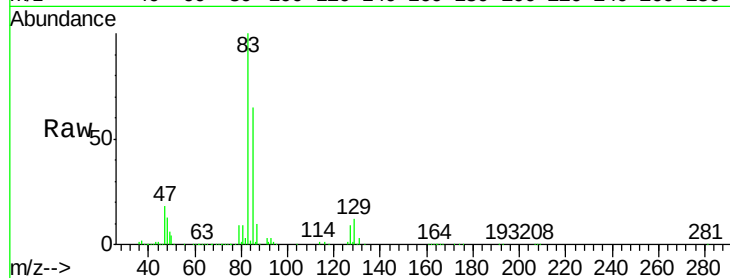
85 64.5 49.4 74.0

127 8.9 6.3 9.5

Manual Integrations  
APPROVED

MMDadoda

6/28/2018 4:38:08 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049263.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN049263.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN049263.D (-2413) (-)

9.40

800000

600000

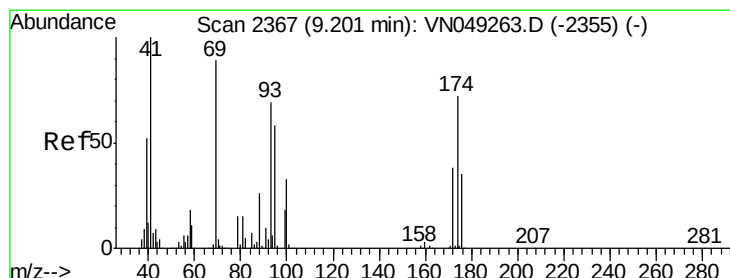
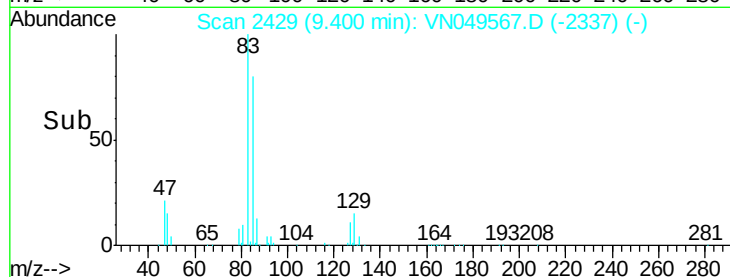
400000

200000

0

9.30 9.40 9.50

Time-->



#48

Methyl methacrylate

Concen: 52.51 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

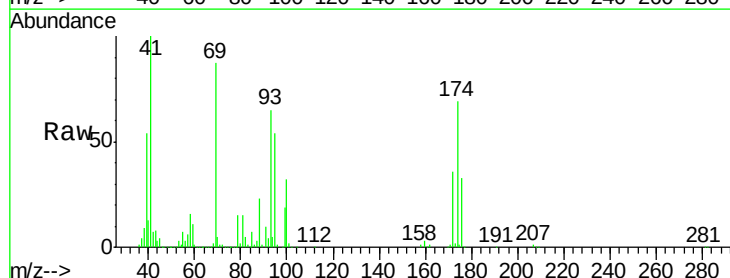
Tgt Ion: 41 Resp: 699102

Ion Ratio Lower Upper

41 100

69 87.6 62.0 93.0

39 54.3 50.6 75.8



Abundance Ion 41.00 (40.70 to 41.70): VN049263.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN049263.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN049263.D (-2355) (-)

9.20

500000

400000

300000

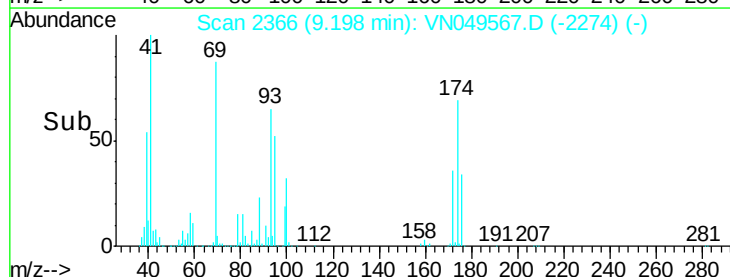
200000

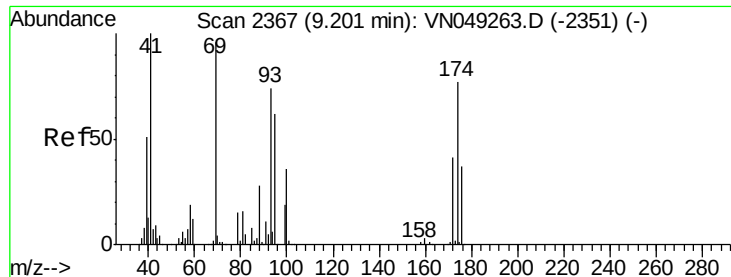
100000

0

9.15 9.20 9.25

Time-->





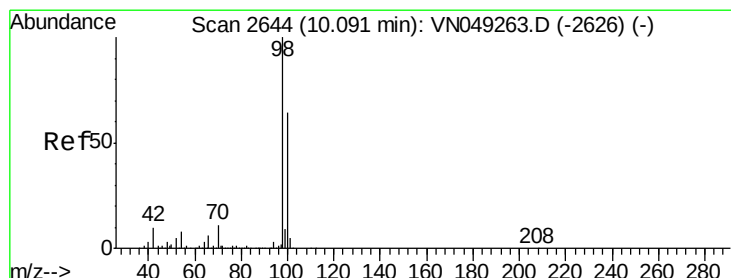
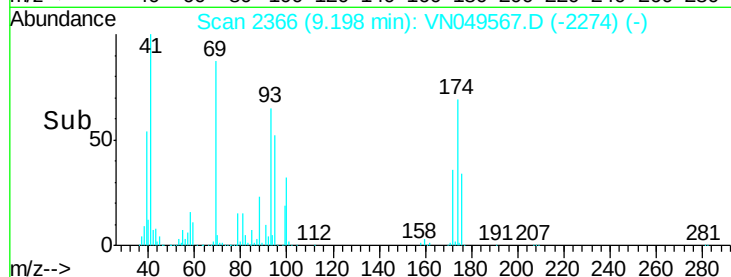
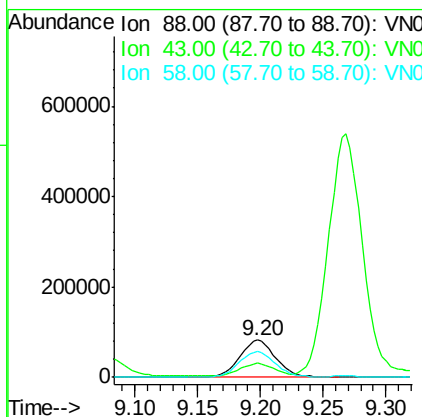
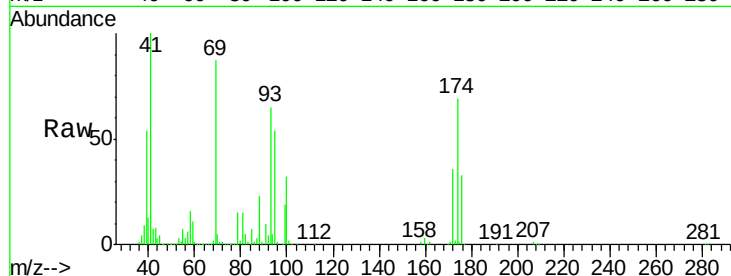
#49  
1,4-Dioxane  
Concen: 904.26 ug/l  
RT: 9.20 min Scan# 2366  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.7  | 30.9  | 46.3  |
| 58      | 69.5  | 58.9  | 88.3  |

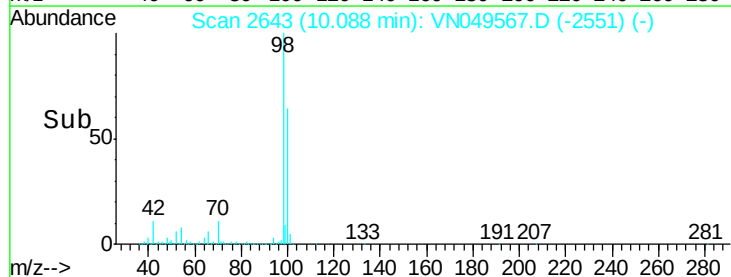
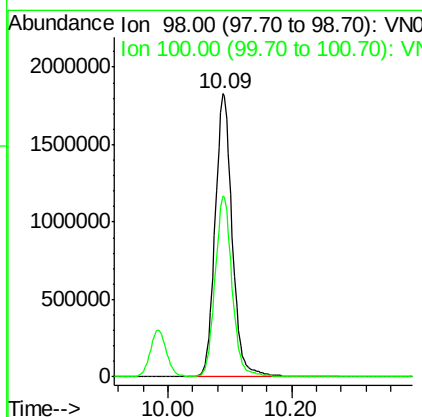
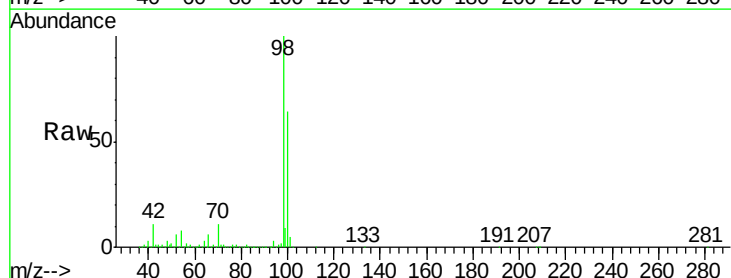
Manual Integrations  
APPROVED

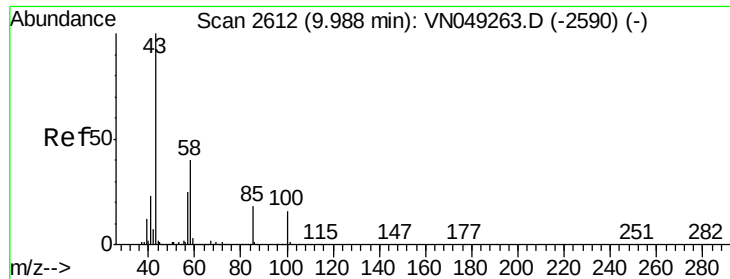
MMDadoda  
6/28/2018 4:38:08 PM



#50  
Toluene-d8  
Concen: 47.80 ug/l  
RT: 10.09 min Scan# 2643  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.5  | 49.8  | 74.8  |





#51

4-Methyl-2-Pentanone

Concen: 240.88 ug/l

RT: 9.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3568953

Ion Ratio Lower Upper

43 100

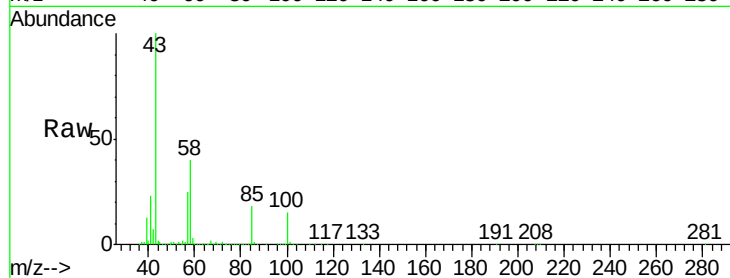
58 40.0 29.0 43.6

Manual Integrations

APPROVED

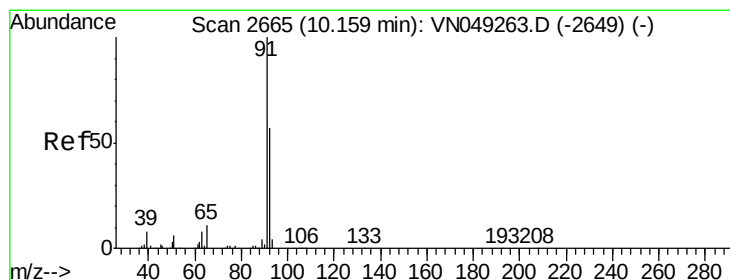
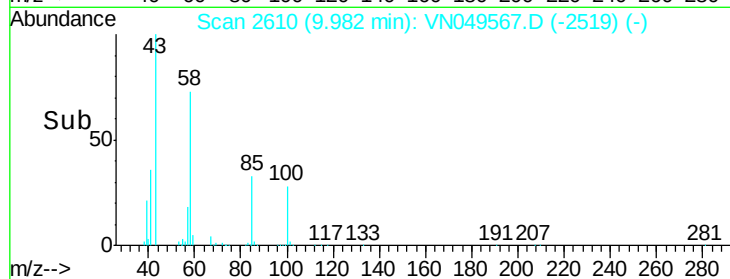
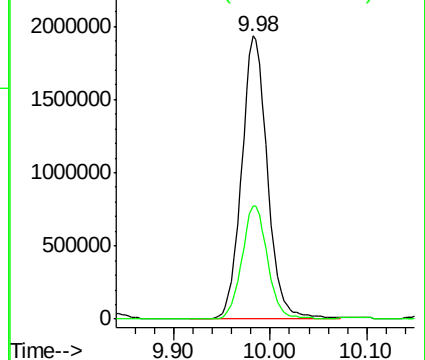
MMDadoda

6/28/2018 4:38:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 53.28 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049567.D

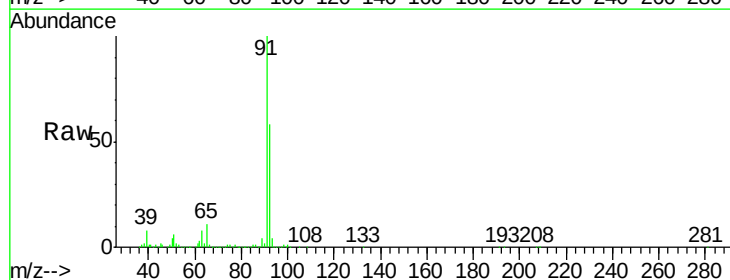
Acq: 27 Jun 2018 12:55

Tgt Ion: 92 Resp: 2609512

Ion Ratio Lower Upper

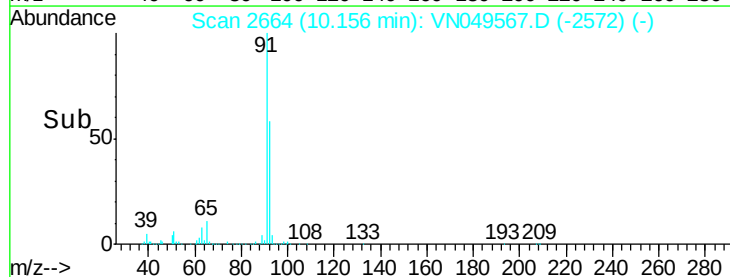
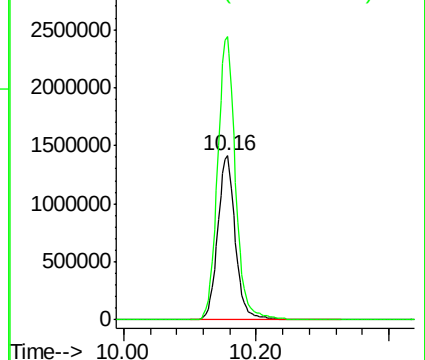
92 100

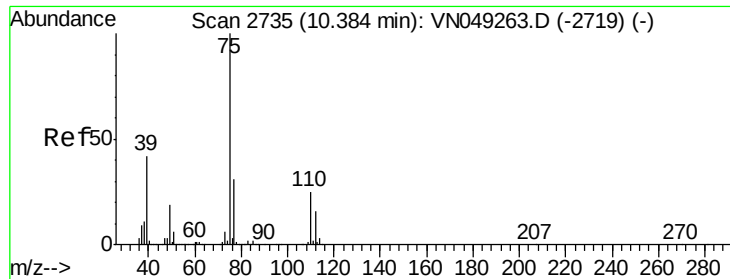
91 175.2 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





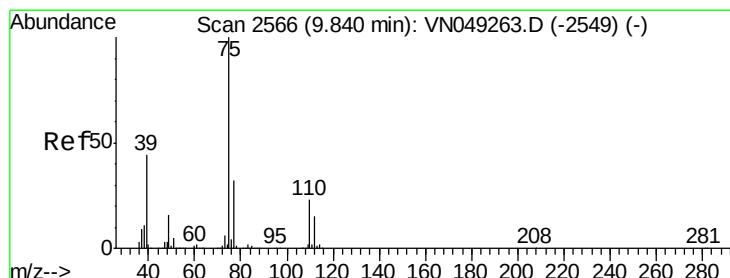
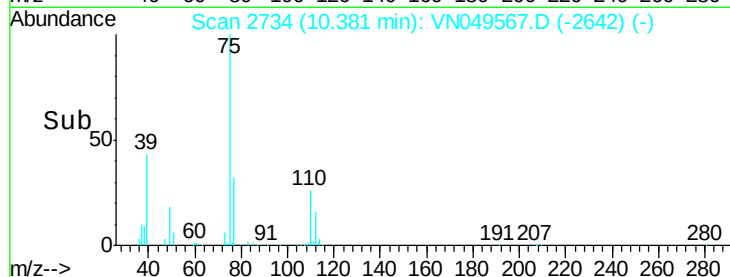
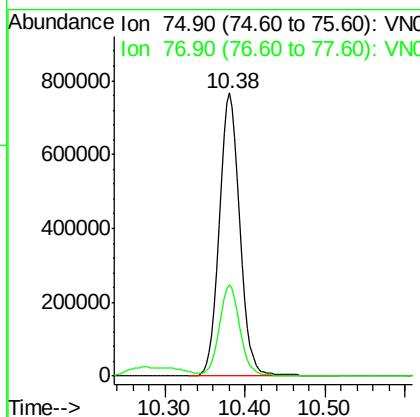
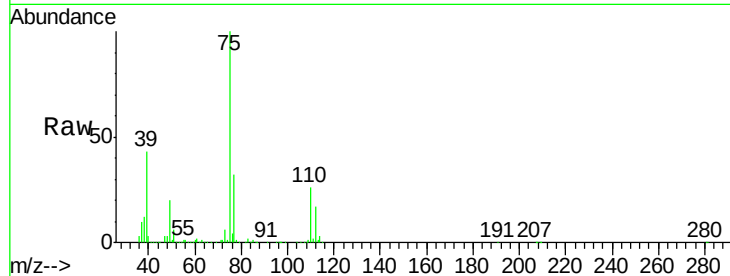
#53  
t-1,3-Dichloropropene  
Concen: 51.15 ug/l  
RT: 10.38 min Scan# 2734  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 1362183  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.2 37.8

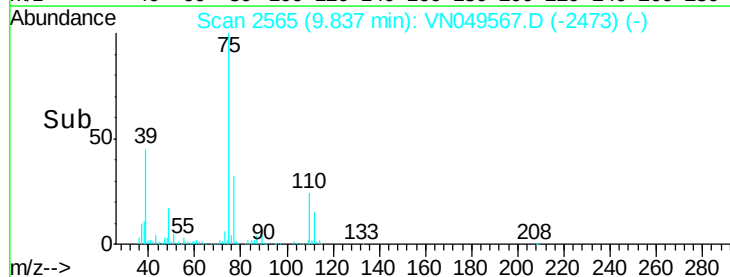
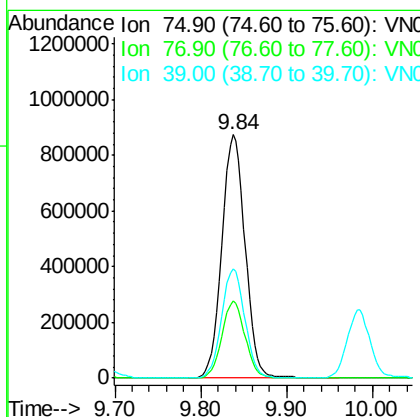
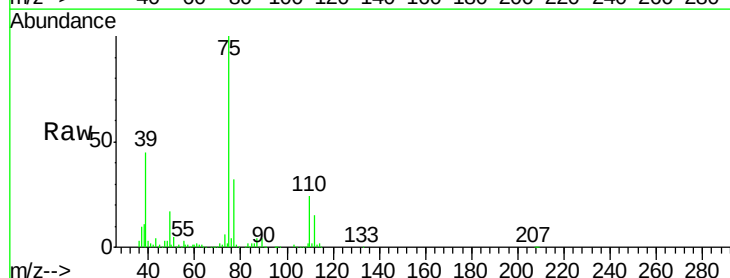
Manual Integrations  
APPROVED

MMDadoda  
6/28/2018 4:38:08 PM

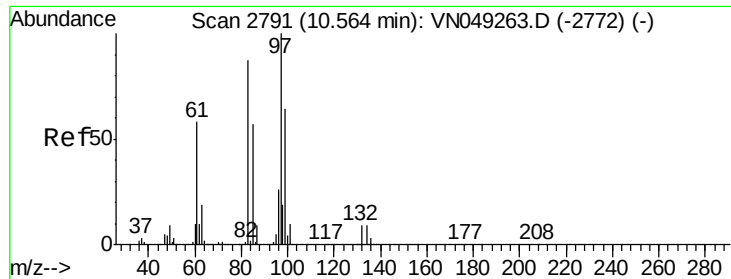


#54  
cis-1,3-Dichloropropene  
Concen: 52.34 ug/l  
RT: 9.84 min Scan# 2565  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Tgt Ion: 75 Resp: 1645939  
Ion Ratio Lower Upper  
75 100  
77 31.7 24.8 37.2  
39 44.9 45.1 67.7#







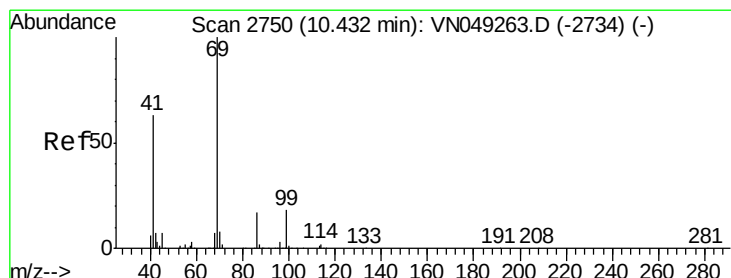
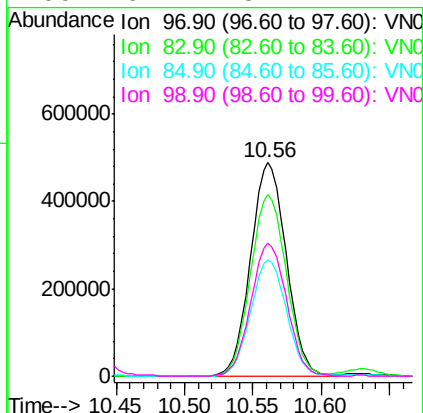
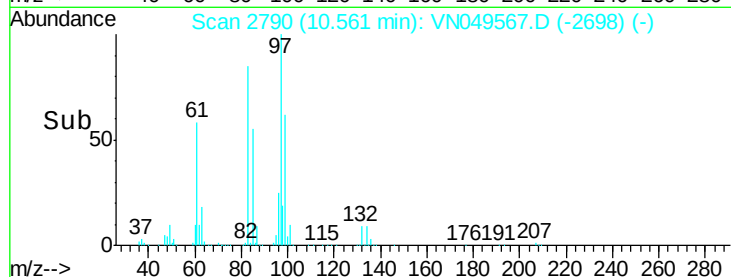
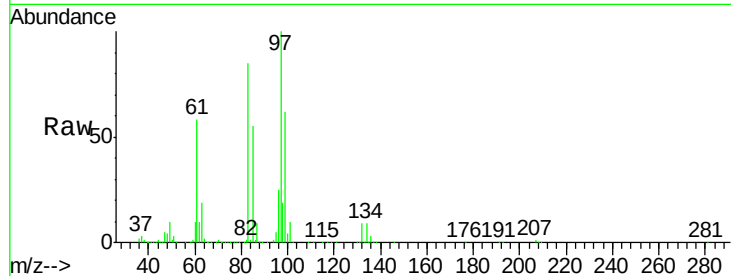
#55  
 1,1,2-Trichloroethane  
 Concen: 48.61 ug/l  
 RT: 10.56 min Scan# 2790  
 Delta R.T. -0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 887547 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.4  | 71.5  | 107.3  |
| 85       | 54.8  | 47.0  | 70.4   |
| 99       | 62.2  | 51.4  | 77.2   |

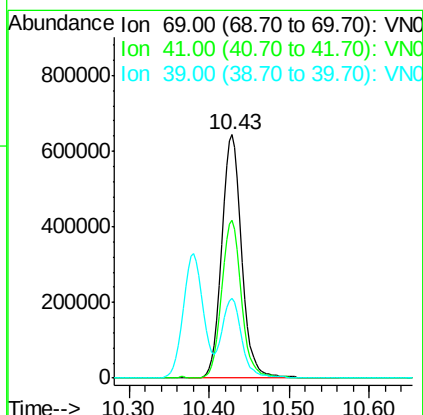
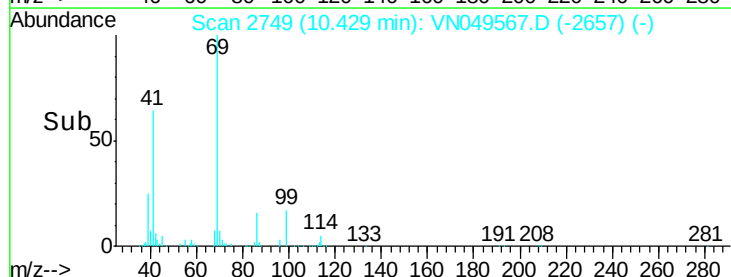
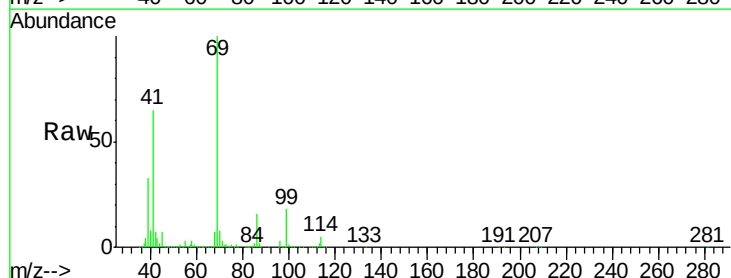
Manual Integrations  
 APPROVED

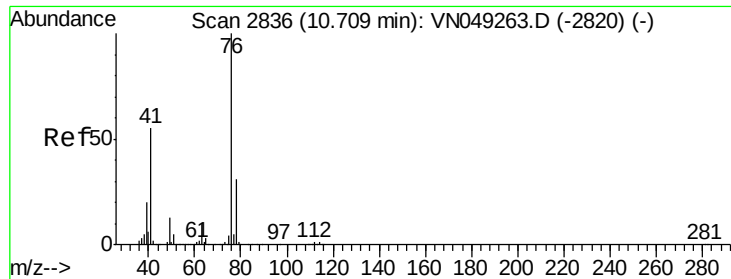
MMDadoda  
 6/28/2018 4:38:08 PM



#56  
 Ethyl methacrylate  
 Concen: 52.90 ug/l  
 RT: 10.43 min Scan# 2749  
 Delta R.T. -0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 69    | Resp: | 1114269 |
| Ion      | Ratio | Lower | Upper   |
| 69       | 100   |       |         |
| 41       | 63.4  | 58.4  | 87.6    |
| 39       | 32.5  | 35.5  | 53.3#   |





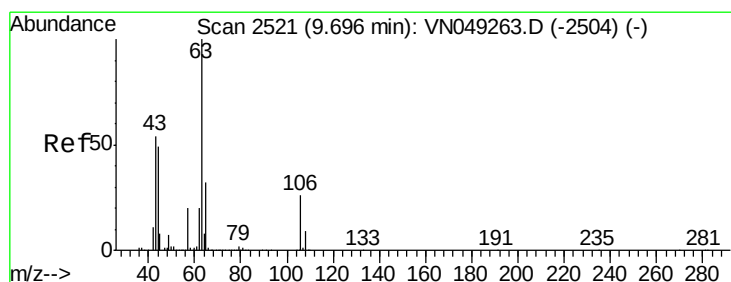
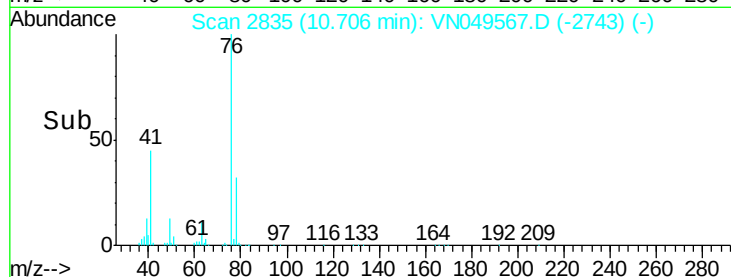
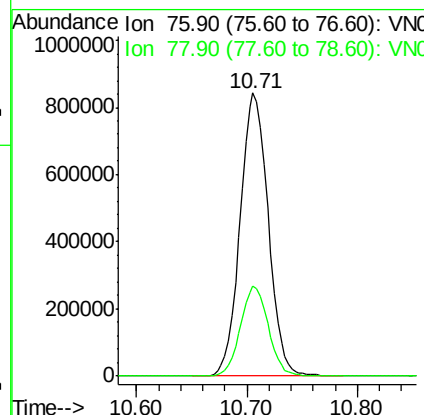
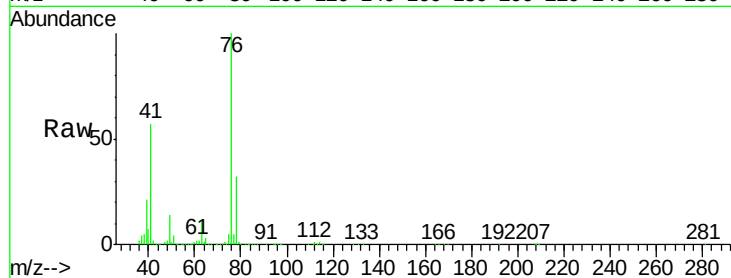
#57  
 1,3-Dichloropropane  
 Concen: 49.26 ug/l  
 RT: 10.71 min Scan# 2835  
 Delta R.T. -0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 76 Resp: 1489913  
 Ion Ratio Lower Upper  
 76 100  
 78 31.7 26.3 39.5

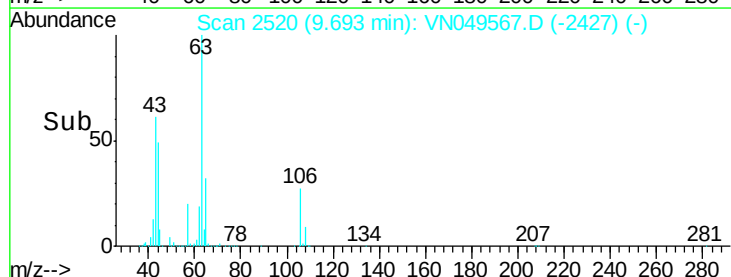
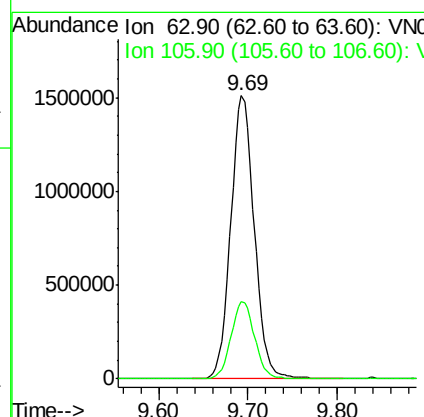
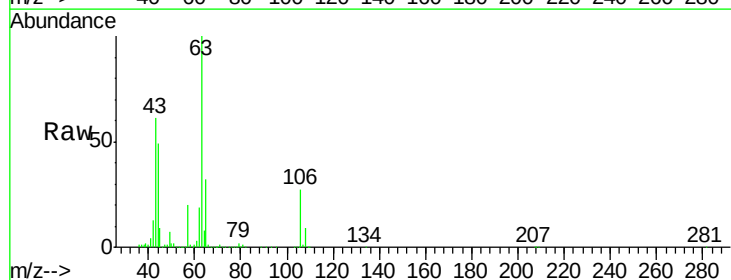
Manual Integrations  
 APPROVED

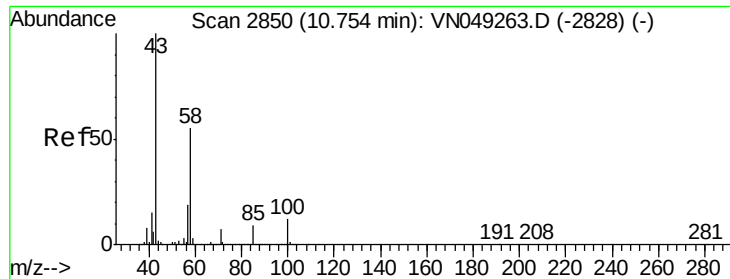
MMDadoda  
 6/28/2018 4:38:08 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 360.04 ug/l  
 RT: 9.69 min Scan# 2520  
 Delta R.T. -0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

Tgt Ion: 63 Resp: 2761389  
 Ion Ratio Lower Upper  
 63 100  
 106 27.5 19.4 29.2





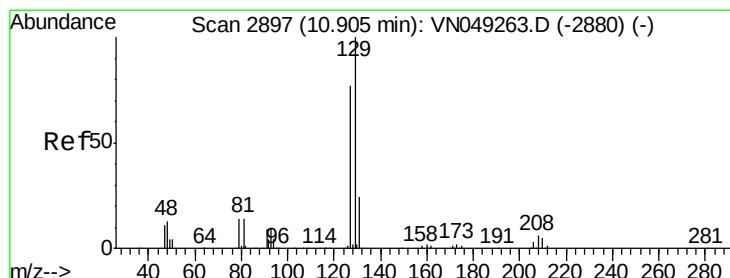
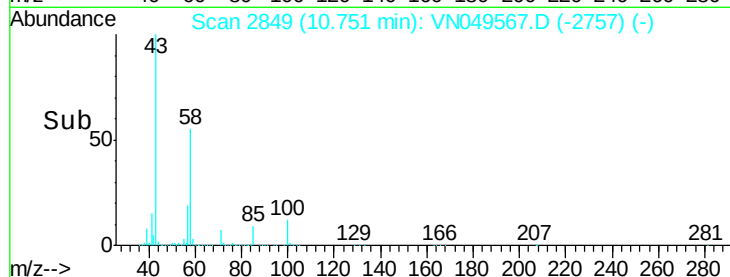
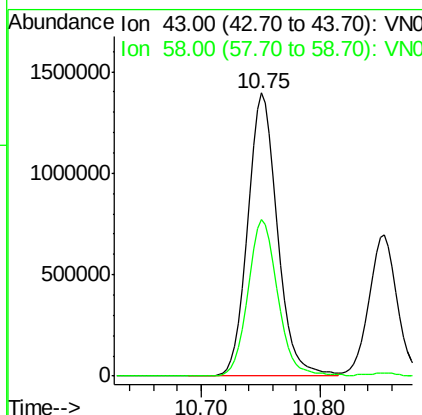
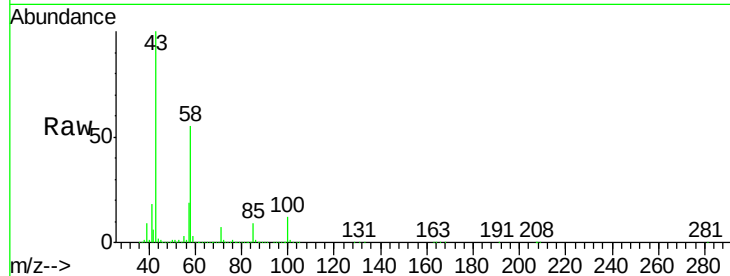
#59  
2-Hexanone  
Concen: 250.86 ug/l  
RT: 10.75 min Scan# 2849  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 2396290  
Ion Ratio Lower Upper  
43 100  
58 55.9 25.2 75.6

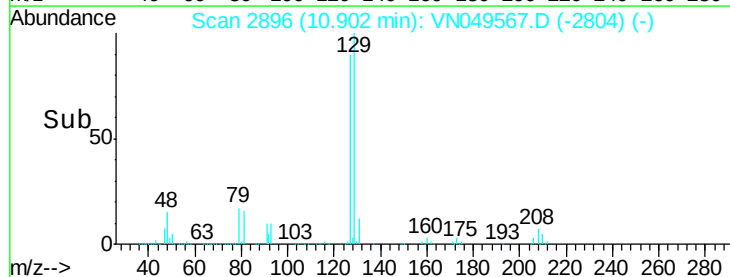
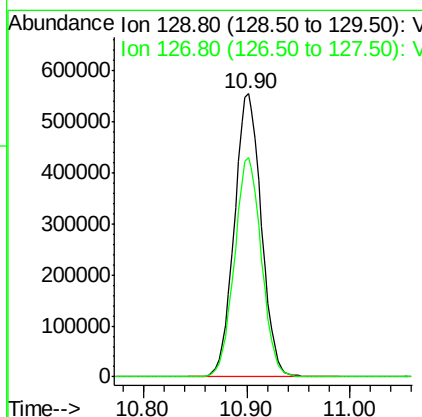
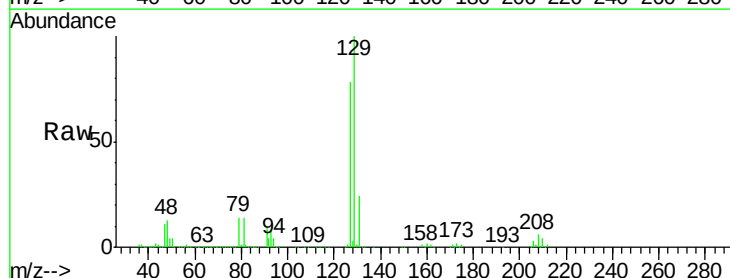
Manual Integrations  
APPROVED

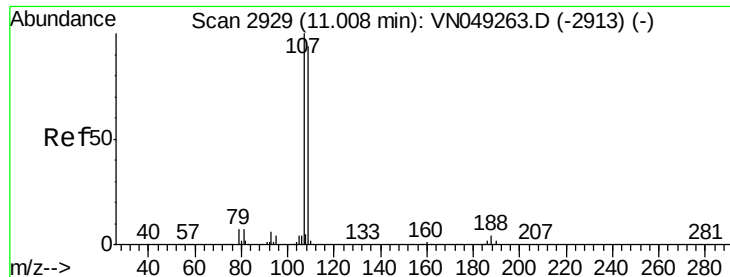
MMDadoda  
6/28/2018 4:38:08 PM



#60  
Dibromochloromethane  
Concen: 49.77 ug/l  
RT: 10.90 min Scan# 2896  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Tgt Ion: 129 Resp: 1014161  
Ion Ratio Lower Upper  
129 100  
127 77.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 50.97 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 107 Resp: 864909

Ion Ratio Lower Upper

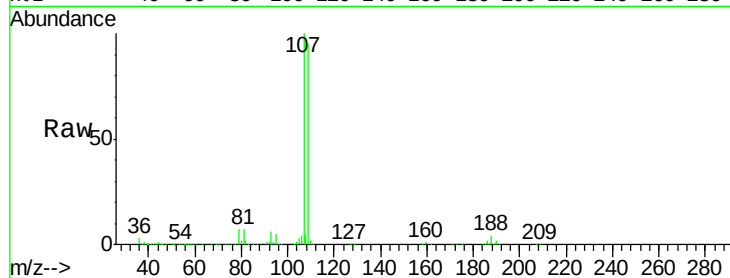
107 100

109 95.0 75.4 113.2

Manual Integrations  
APPROVED

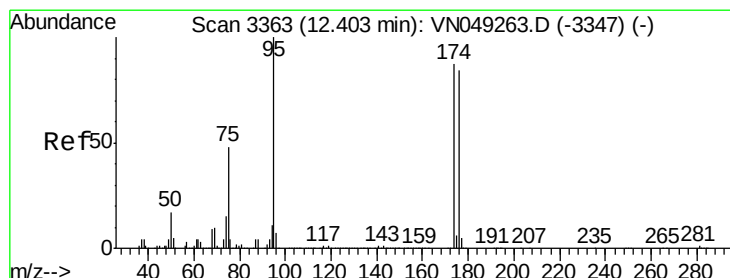
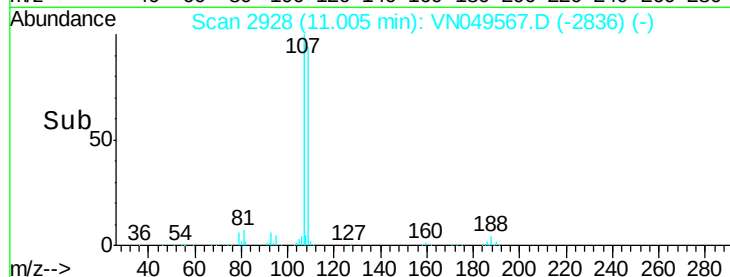
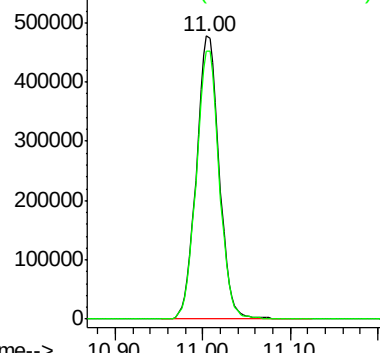
MMDadoda

6/28/2018 4:38:08 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.84 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

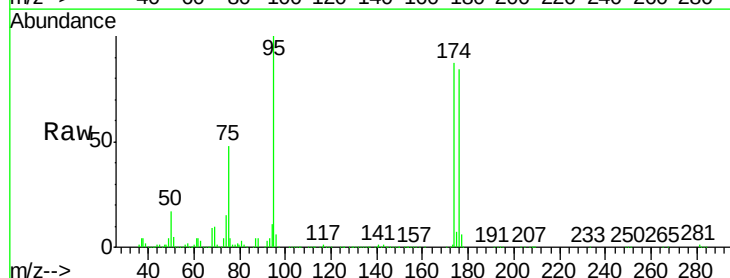
Tgt Ion: 95 Resp: 1205596

Ion Ratio Lower Upper

95 100

174 88.5 0.0 165.6

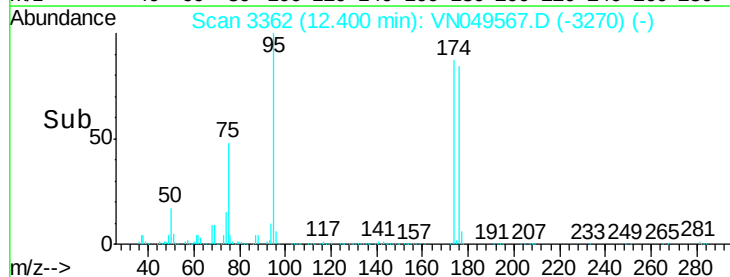
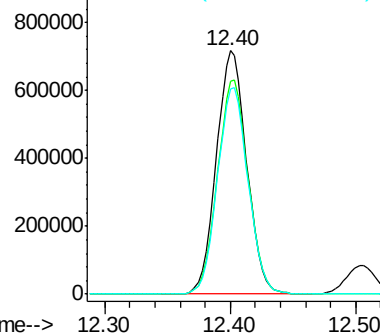
176 85.8 0.0 157.4

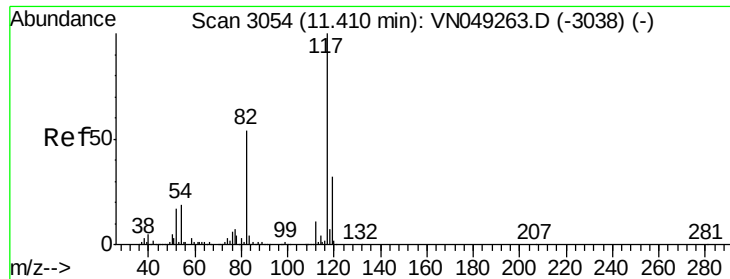


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





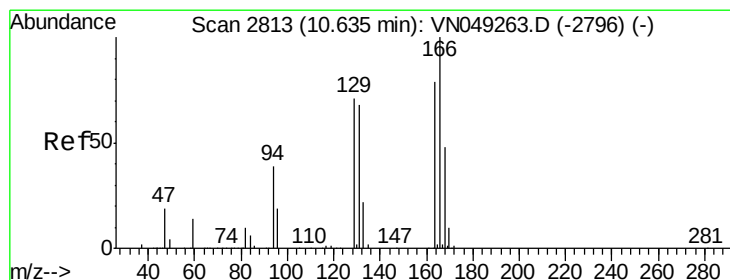
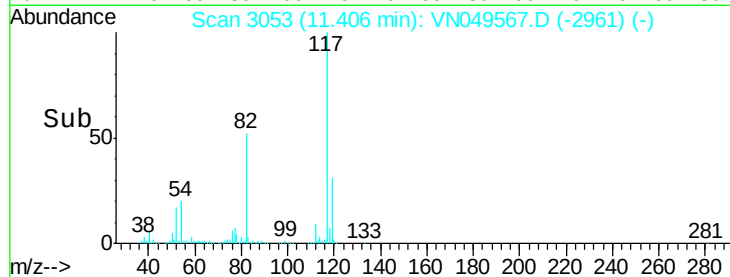
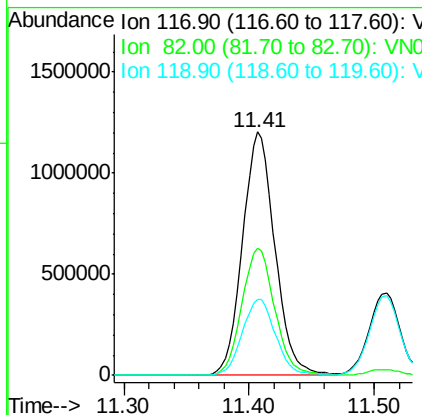
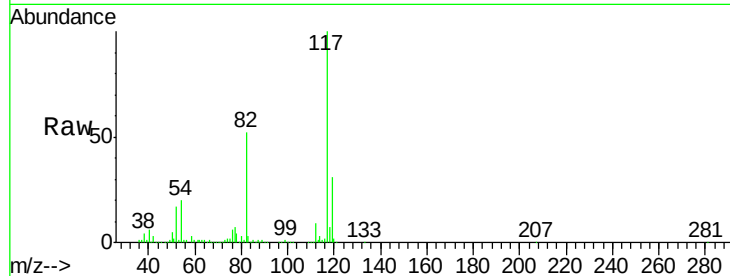
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3053  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:117 Resp: 2165062  
Ion Ratio Lower Upper  
117 100  
82 52.4 45.9 68.9  
119 31.4 25.5 38.3

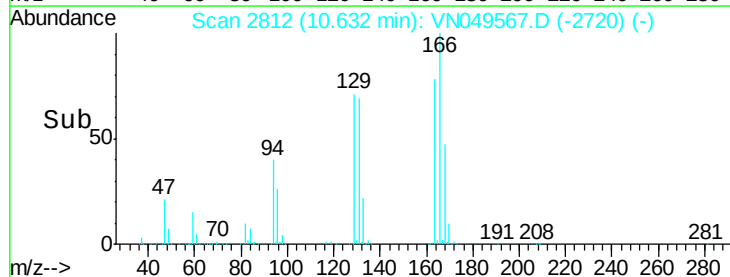
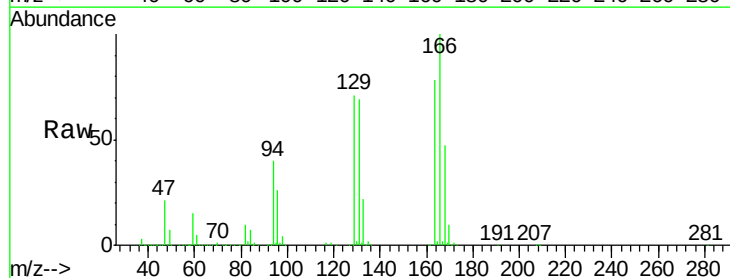
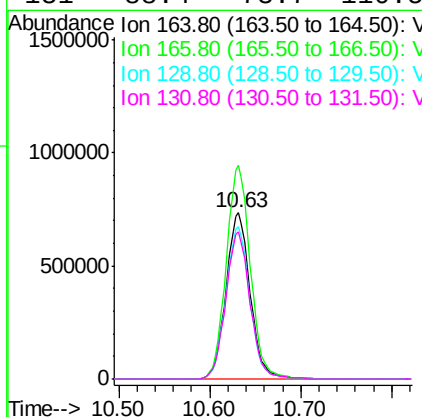
Manual Integrations  
APPROVED

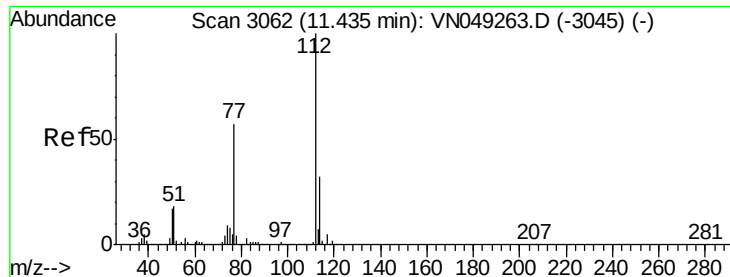
MMDadoda  
6/28/2018 4:38:08 PM



#64  
Tetrachloroethene  
Concen: 60.99 ug/l  
RT: 10.63 min Scan# 2812  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Tgt Ion:164 Resp: 1353078  
Ion Ratio Lower Upper  
164 100  
166 128.6 101.4 152.2  
129 91.8 74.1 111.1  
131 88.4 73.7 110.5





#65

Chlorobenzene

Concen: 50.99 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2844095

Ion Ratio Lower Upper

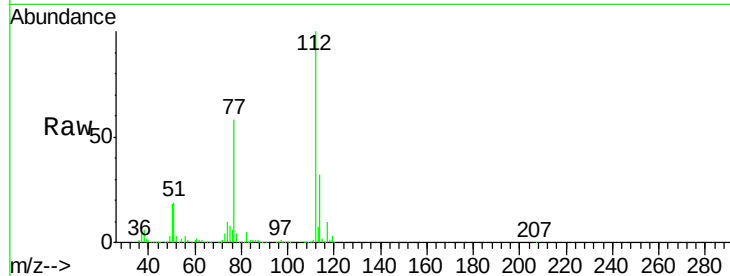
112 100

114 31.9 26.2 39.4

Manual Integrations  
APPROVED

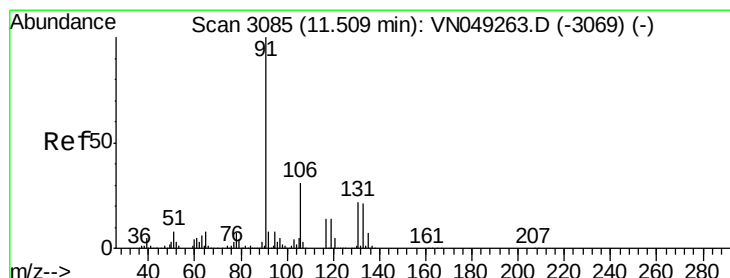
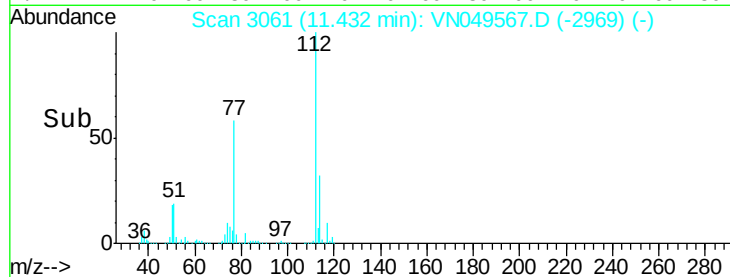
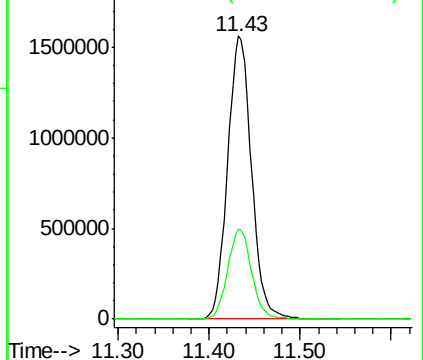
MMDadoda

6/28/2018 4:38:08 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.95 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

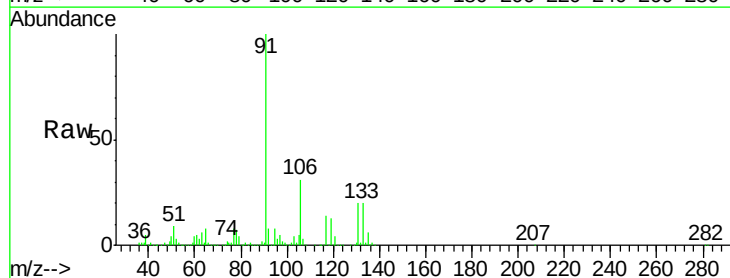
Tgt Ion:131 Resp: 1027487

Ion Ratio Lower Upper

131 100

133 96.3 48.0 144.2

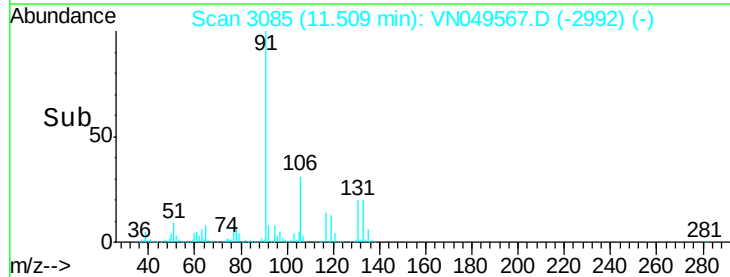
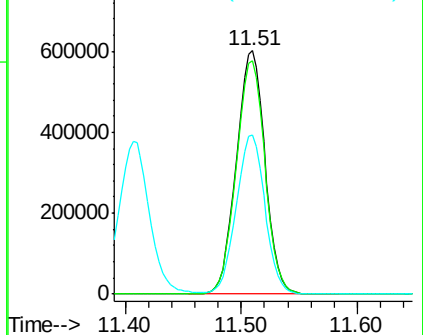
119 65.8 33.6 100.8

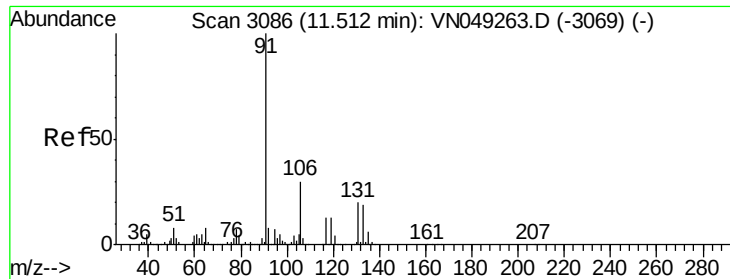


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.72 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 4969302

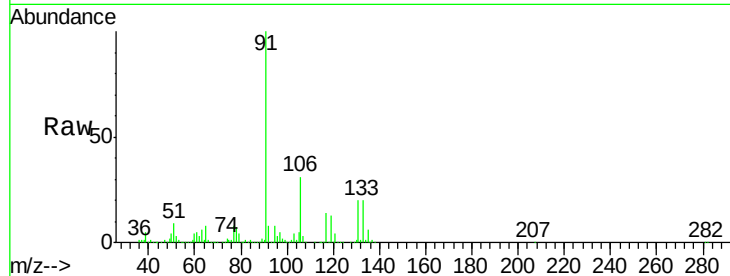
Ion Ratio Lower Upper

91 100

106 31.2 23.9 35.9

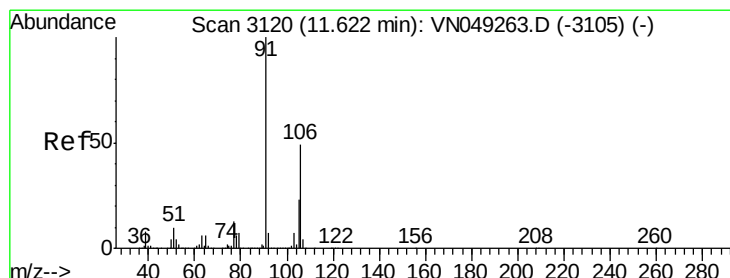
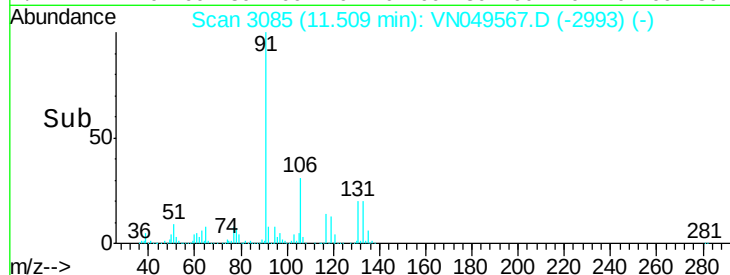
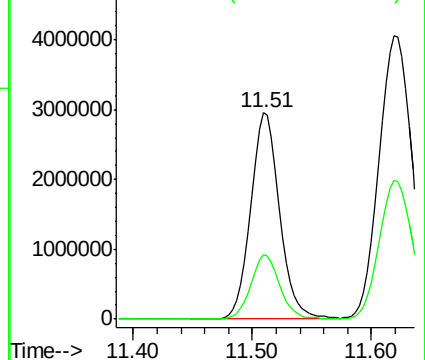
Manual Integrations  
APPROVED

MMDadoda  
6/28/2018 4:38:08 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 111.31 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049567.D

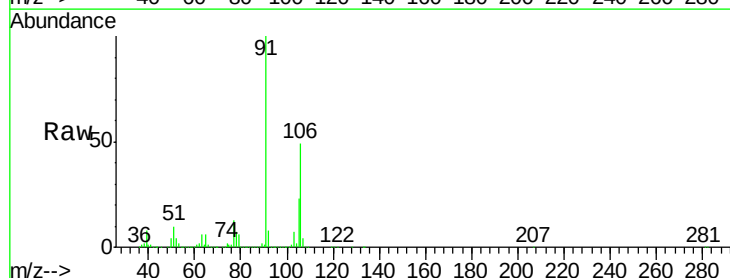
Acq: 27 Jun 2018 12:55

Tgt Ion:106 Resp: 3864550

Ion Ratio Lower Upper

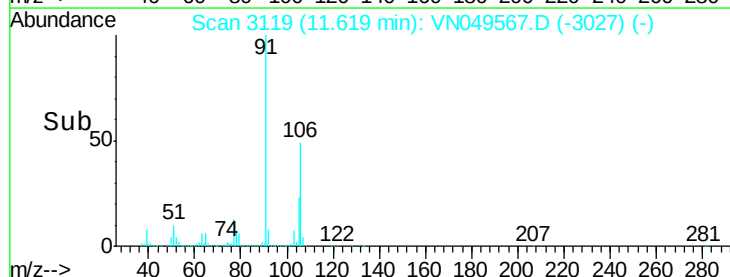
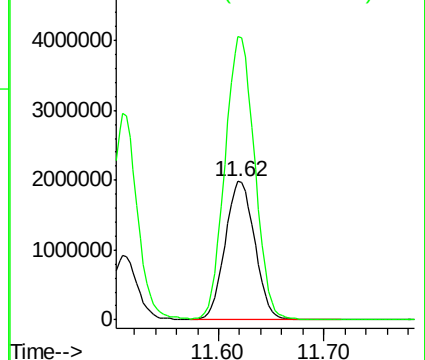
106 100

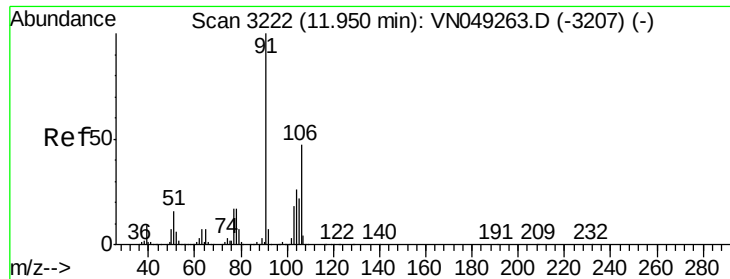
91 204.2 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





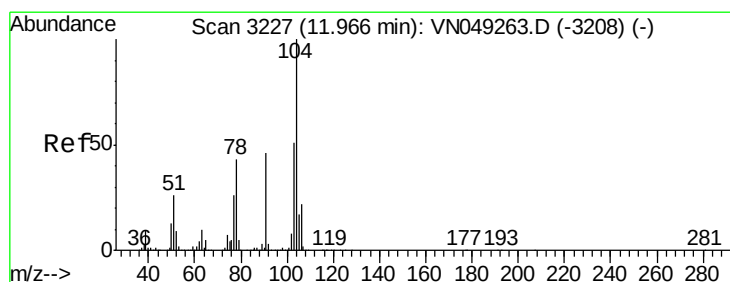
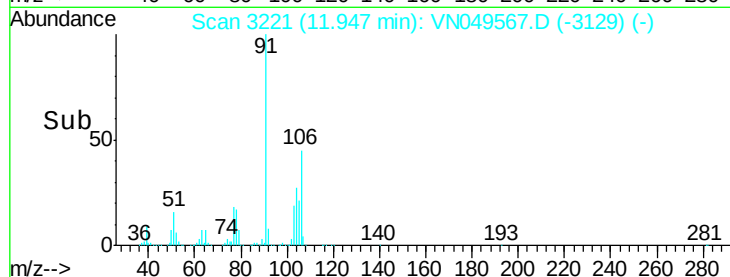
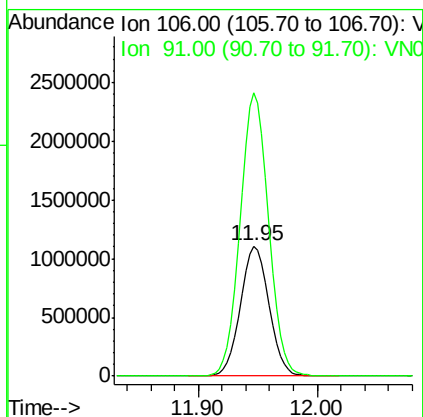
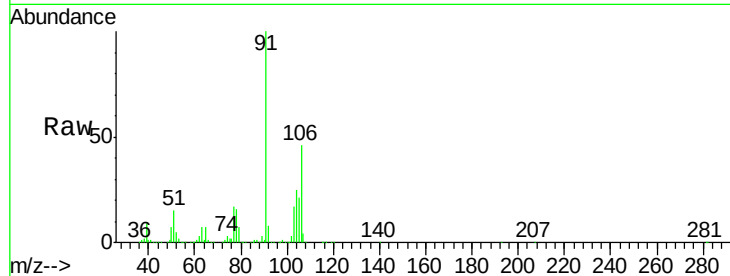
#69  
o-Xylene  
Concen: 55.05 ug/l  
RT: 11.95 min Scan# 3221  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion:106 Resp: 1840925  
Ion Ratio Lower Upper  
106 100  
91 216.5 111.0 333.0

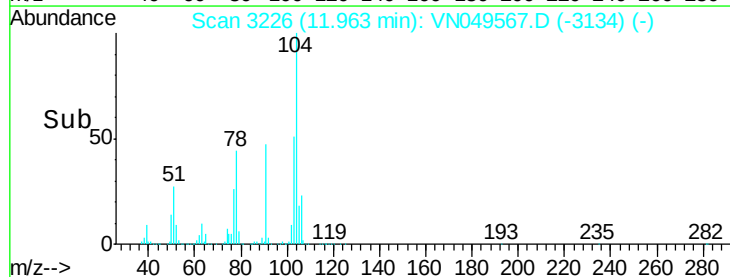
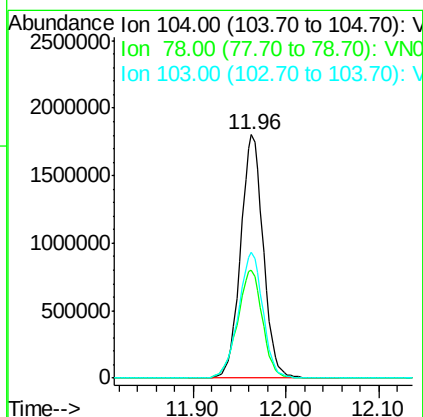
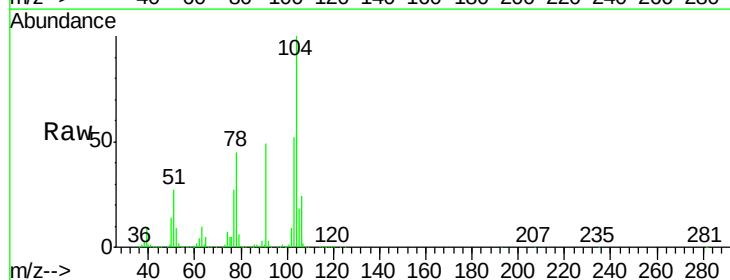
Manual Integrations  
APPROVED

MMDadoda  
6/28/2018 4:38:08 PM

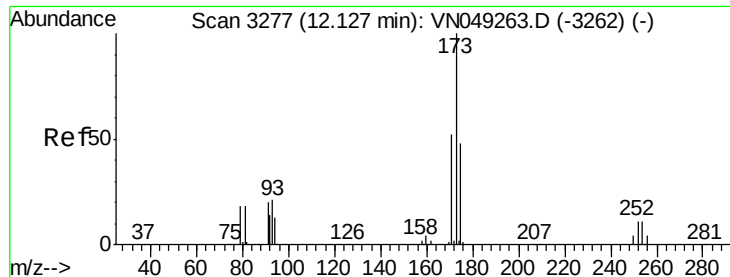


#70  
Styrene  
Concen: 57.53 ug/l  
RT: 11.96 min Scan# 3226  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Tgt Ion:104 Resp: 3034811  
Ion Ratio Lower Upper  
104 100  
78 49.0 41.6 62.4  
103 56.0 45.4 68.2







#71

Bromoform

Concen: 49.68 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 674896

Ion Ratio Lower Upper

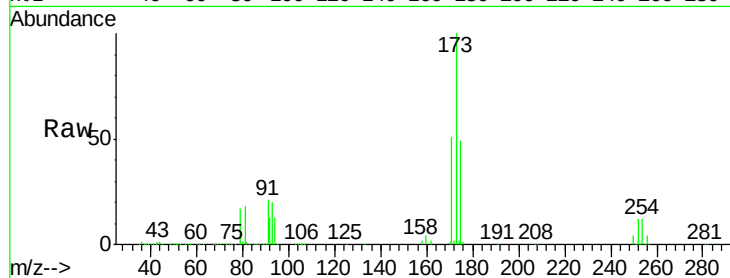
173 100

175 48.6 24.5 73.5

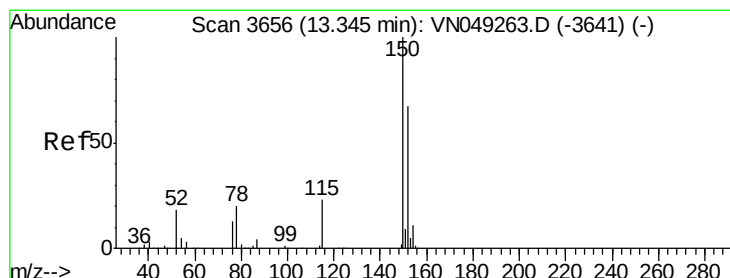
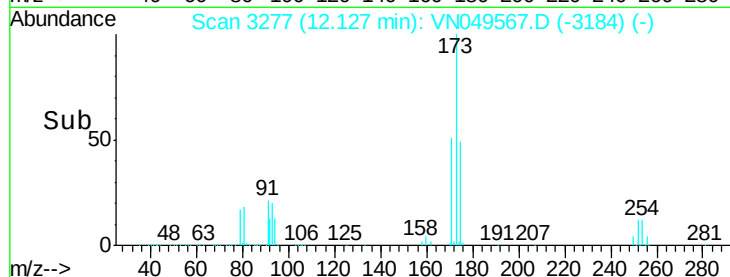
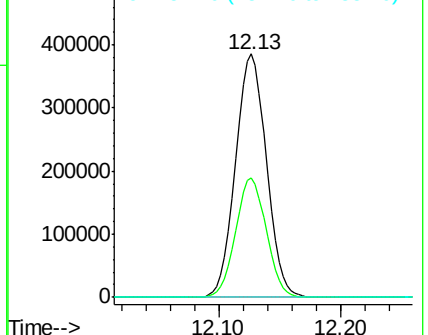
254 0.2 0.1 0.1#

Manual Integrations  
APPROVED

MMDadoda  
6/28/2018 4:38:08 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

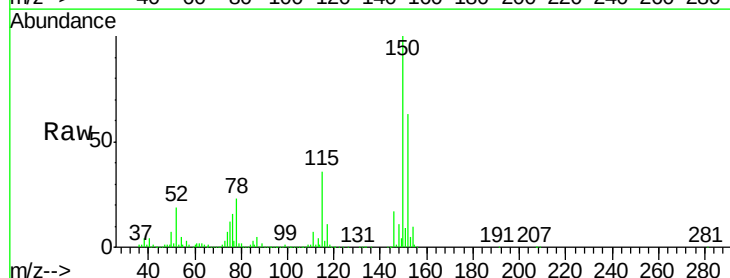
Tgt Ion:152 Resp: 1176649

Ion Ratio Lower Upper

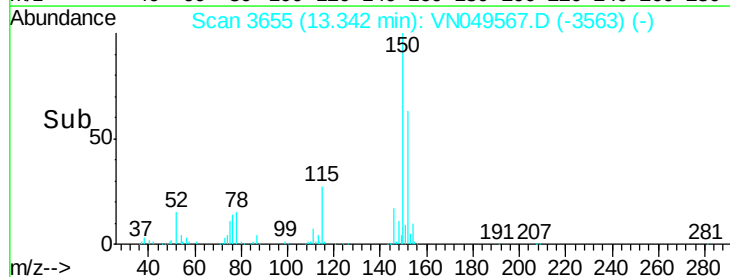
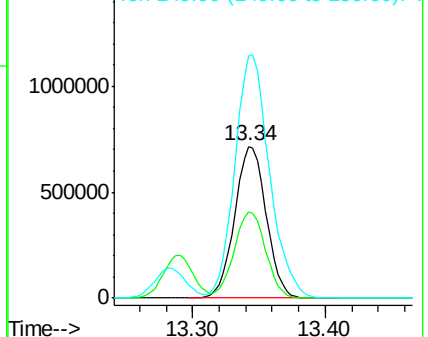
152 100

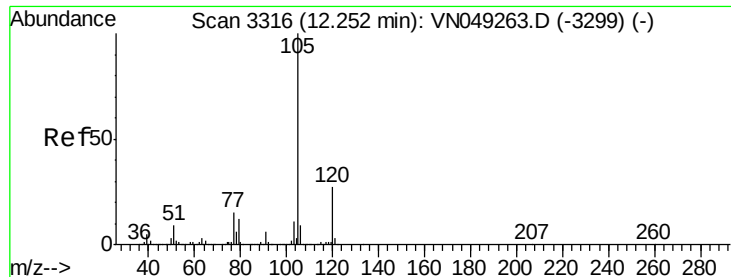
115 57.1 28.7 86.1

150 176.9 0.0 351.0



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





#73

Isopropylbenzene

Concen: 47.25 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4881161

Ion Ratio Lower Upper

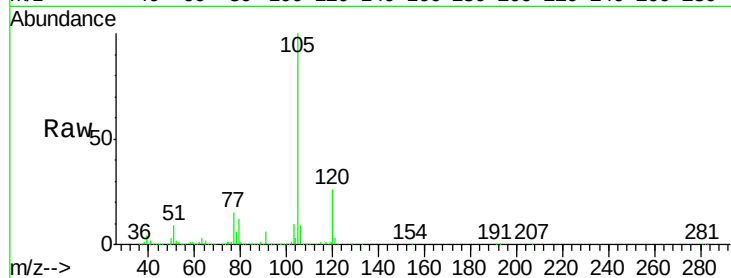
105 100

120 26.6 12.8 38.3

Manual Integrations  
APPROVED

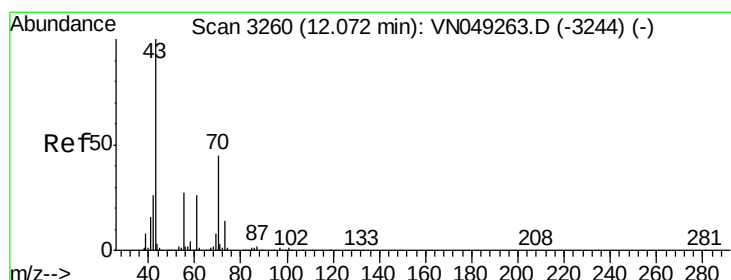
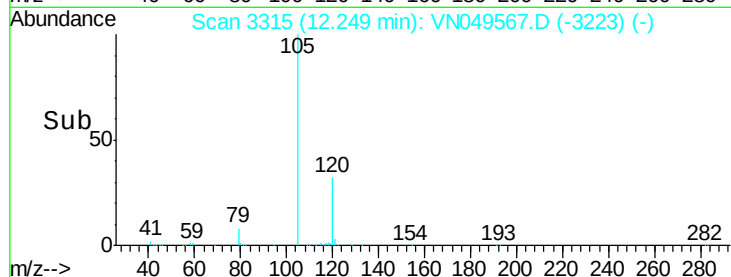
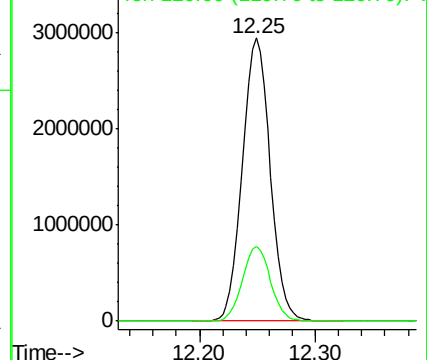
MMDadoda

6/28/2018 4:38:08 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.09 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Tgt Ion: 43 Resp: 1242307

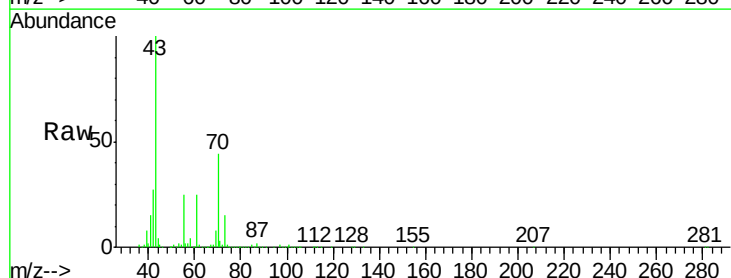
Ion Ratio Lower Upper

43 100

70 43.9 30.3 45.5

55 25.5 19.4 29.2

61 25.1 17.8 26.6

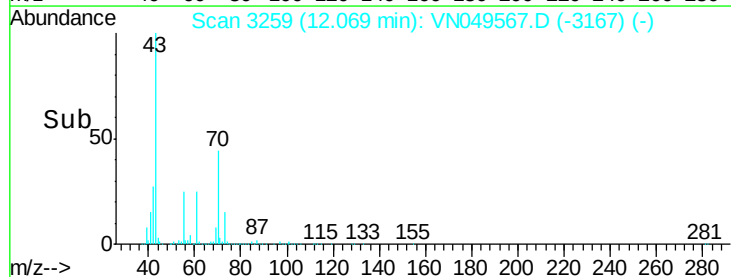
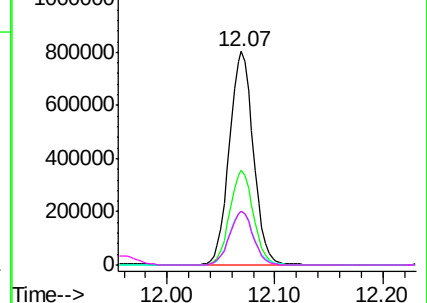


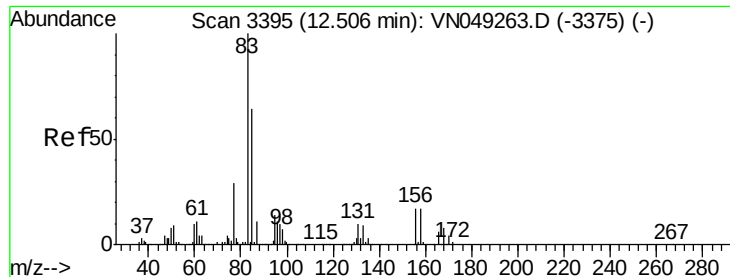
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 43.87 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

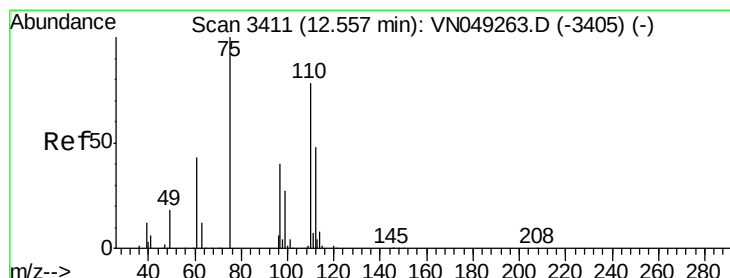
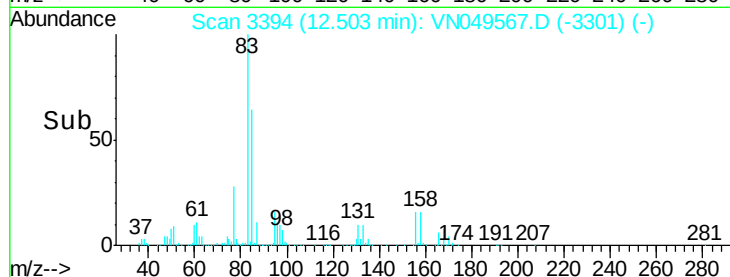
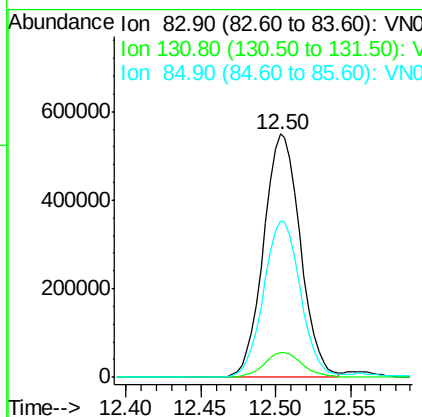
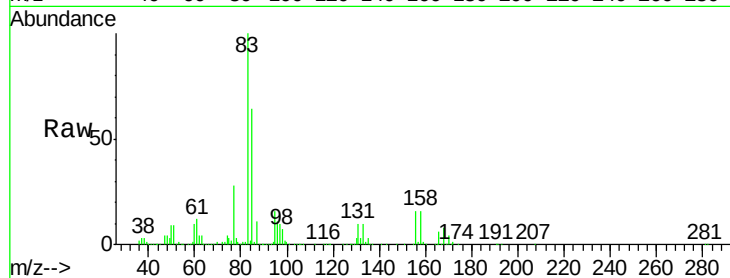
ClientSampled :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 938194 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.6  | 5.0   | 15.0   |
| 85        | 64.5  | 32.0  | 96.0   |

Manual Integrations  
APPROVED

MMDadoda  
6/28/2018 4:38:08 PM



#76

1,2,3-Trichloropropane

Concen: 41.96 ug/l m

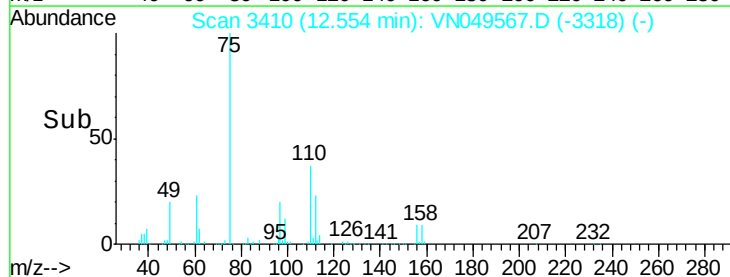
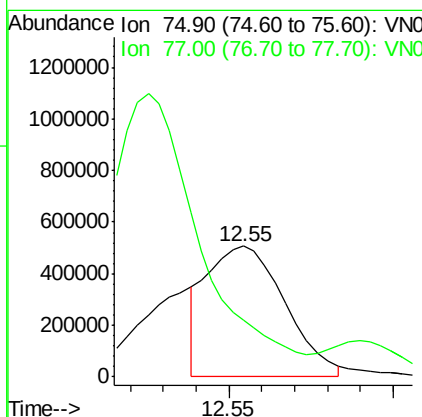
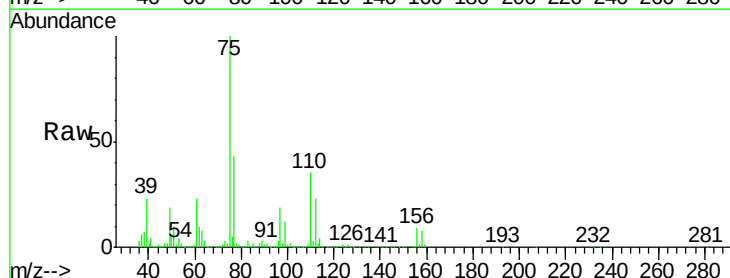
RT: 12.55 min Scan# 3410

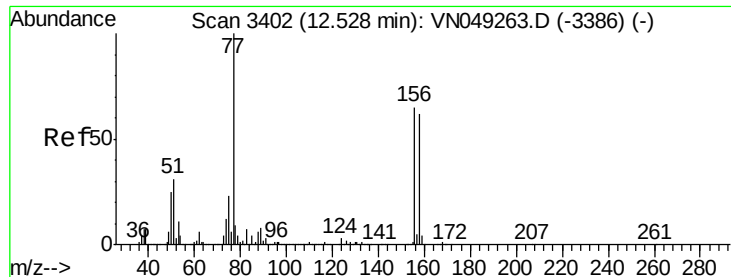
Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 842426 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 45.45 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1240405

Ion Ratio Lower Upper

156 100

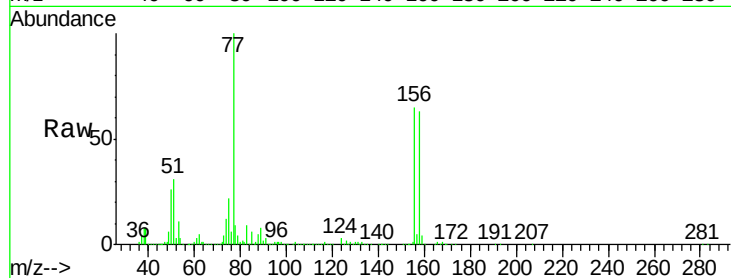
77 176.0 100.8 302.4

158 97.1 49.3 147.9

Manual Integrations  
APPROVED

MMDadoda

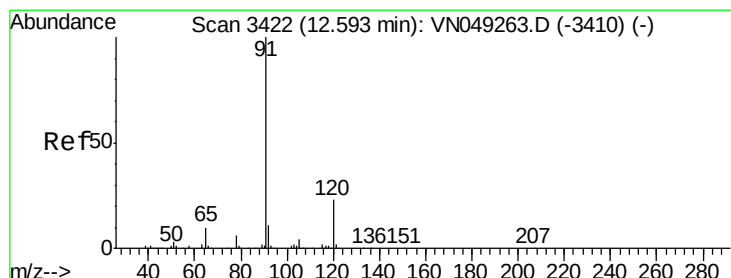
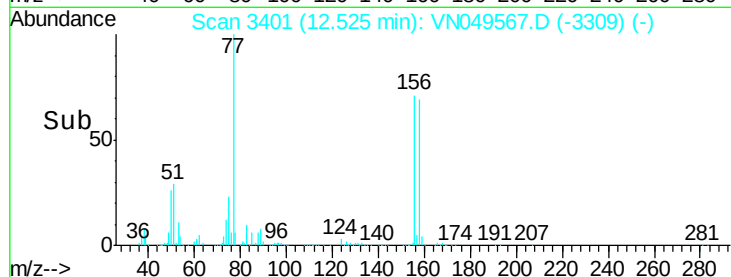
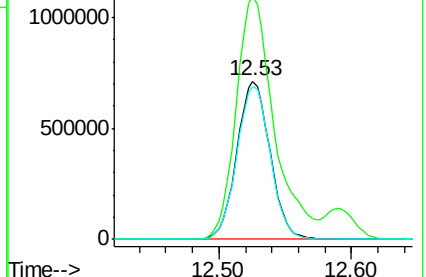
6/28/2018 4:38:08 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.03 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN049567.D

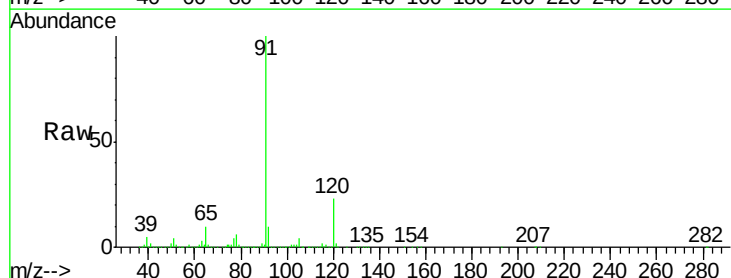
Acq: 27 Jun 2018 12:55

Tgt Ion: 91 Resp: 5788565

Ion Ratio Lower Upper

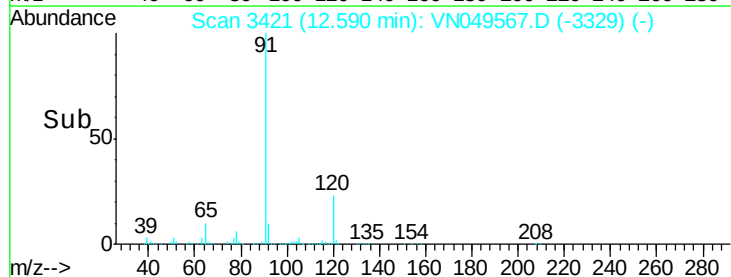
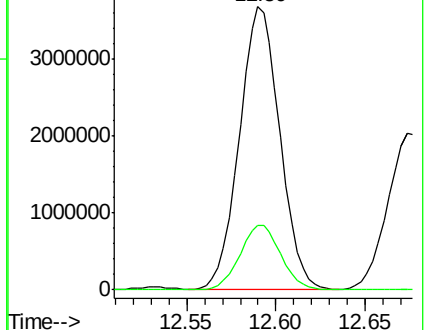
91 100

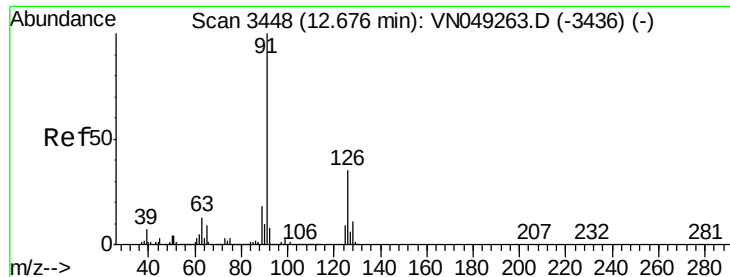
120 23.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.79 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 3363255

Ion Ratio Lower Upper

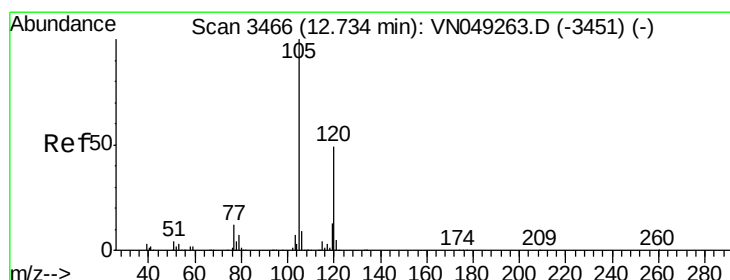
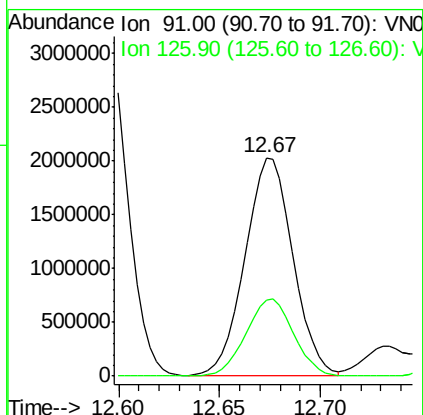
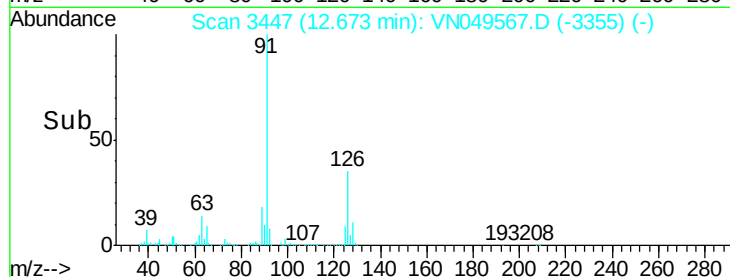
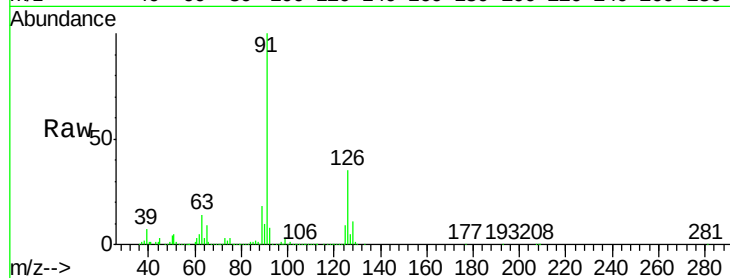
91 100

126 35.4 16.6 49.8

Manual Integrations  
APPROVED

MMDadoda

6/28/2018 4:38:08 PM



#80

1,3,5-Trimethylbenzene

Concen: 51.24 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049567.D

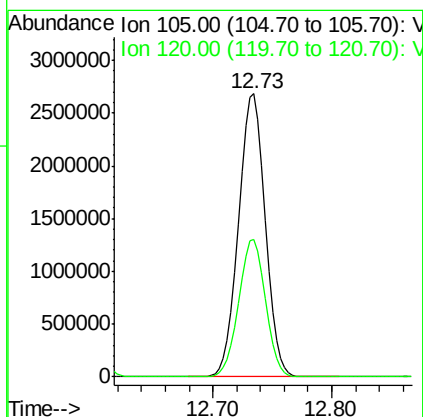
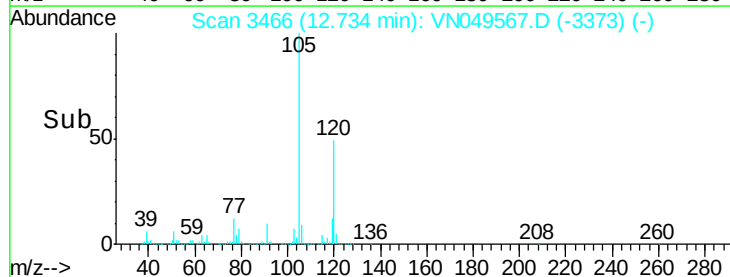
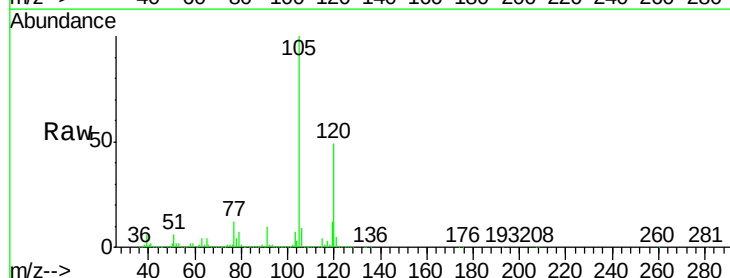
Acq: 27 Jun 2018 12:55

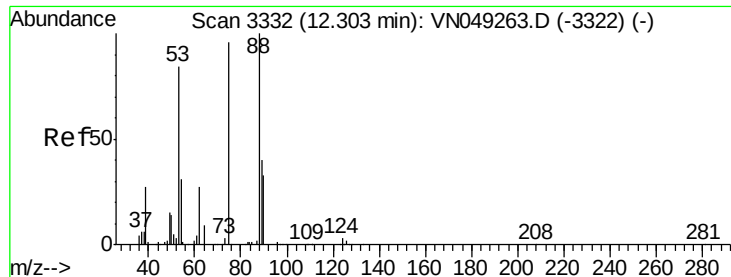
Tgt Ion: 105 Resp: 4160516

Ion Ratio Lower Upper

105 100

120 48.9 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 44.39 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

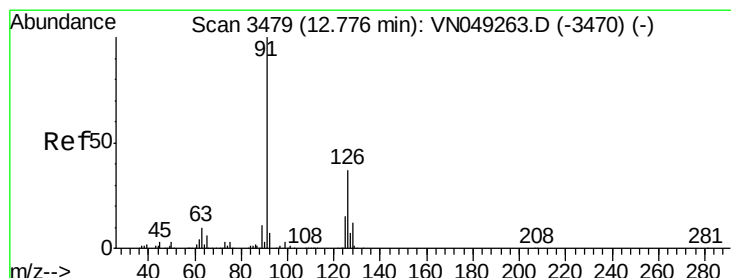
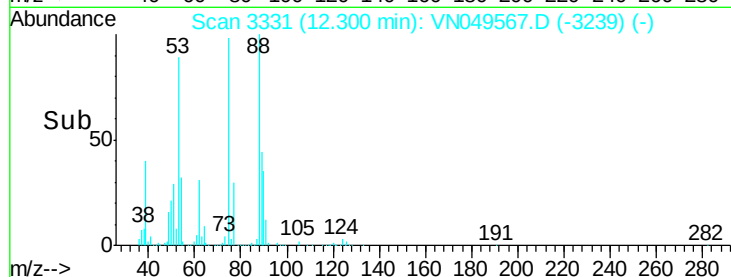
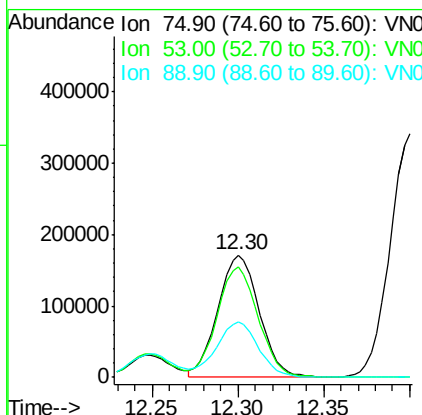
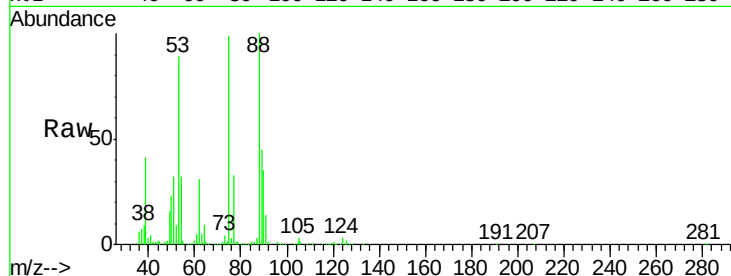
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 281967 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 91.4  | 82.7  | 124.1  |
| 89       | 47.3  | 36.5  | 54.7   |

Manual Integrations  
APPROVED

MMDadoda  
6/28/2018 4:38:08 PM



#82

4-Chlorotoluene

Concen: 50.62 ug/l

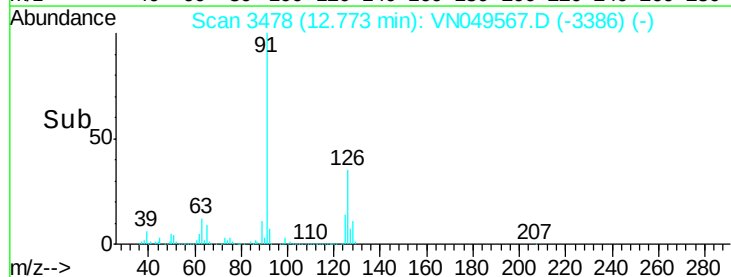
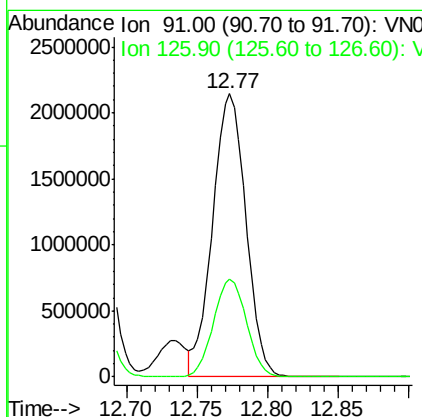
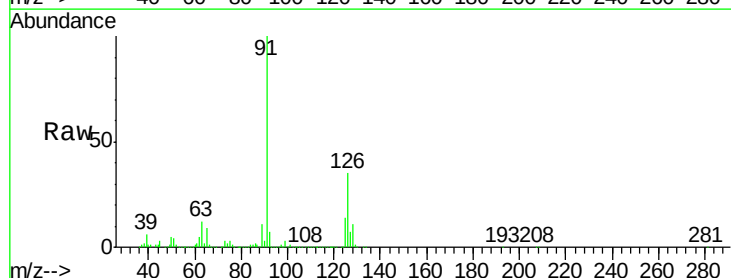
RT: 12.77 min Scan# 3478

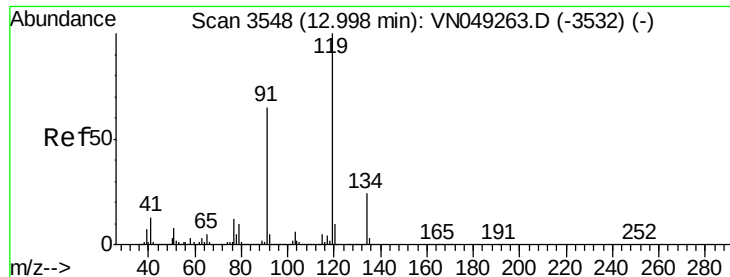
Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 91    | Resp: | 3510055 |
| Ion      | Ratio | Lower | Upper   |
| 91       | 100   |       |         |
| 126      | 34.5  | 16.4  | 49.1    |





#83

tert-Butylbenzene

Concen: 48.55 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 3492530

Ion Ratio Lower Upper

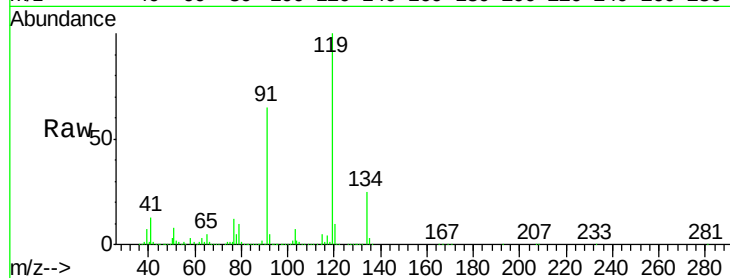
119 100

91 63.6 33.7 101.0

134 25.8 12.9 38.6

Manual Integrations  
APPROVED

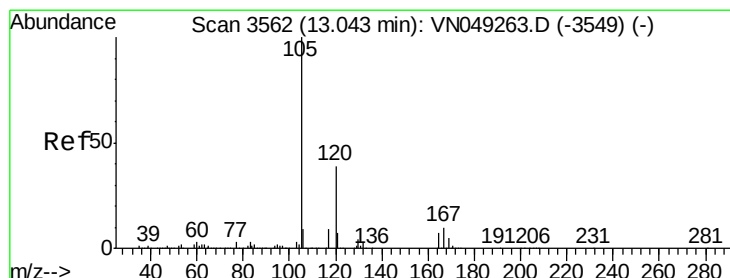
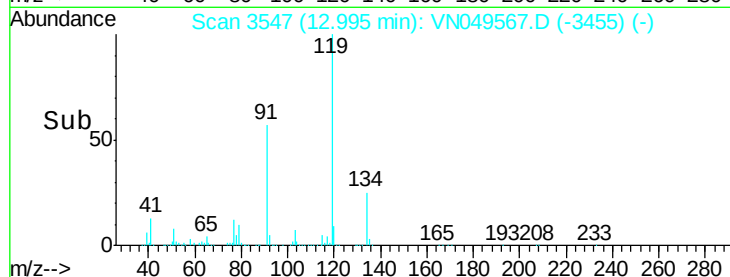
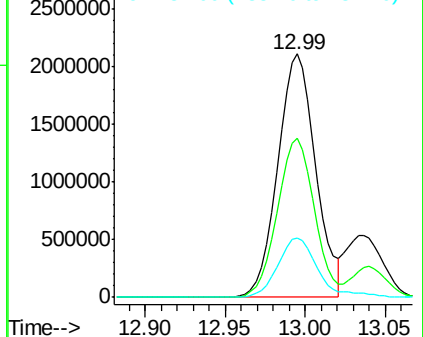
MMDadoda  
6/28/2018 4:38:08 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.49 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049567.D

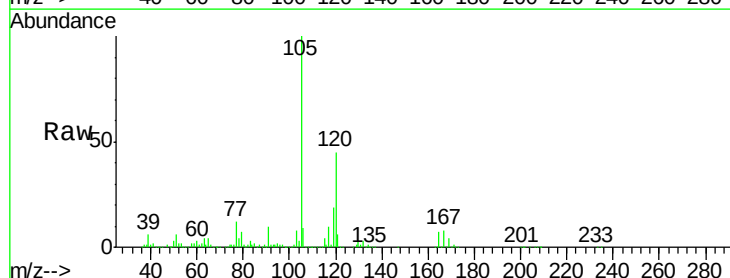
Acq: 27 Jun 2018 12:55

Tgt Ion:105 Resp: 4314844

Ion Ratio Lower Upper

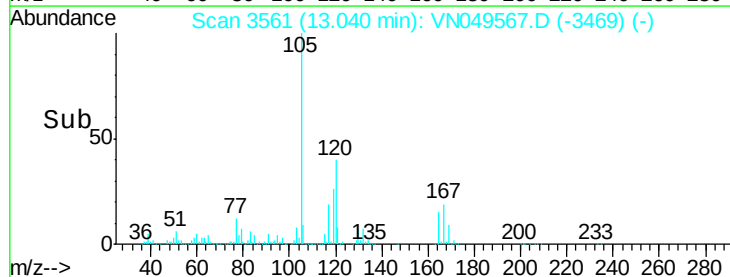
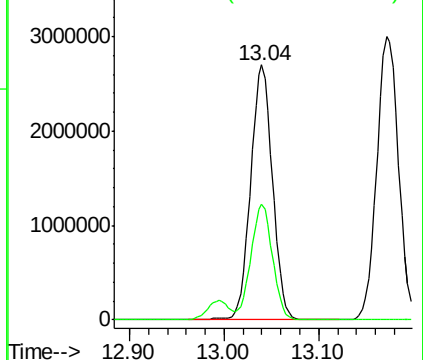
105 100

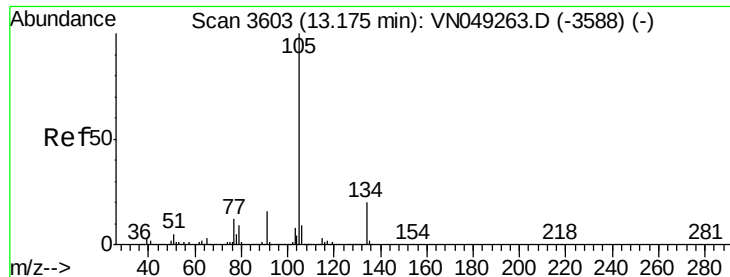
120 45.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.85 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4772798

Ion Ratio Lower Upper

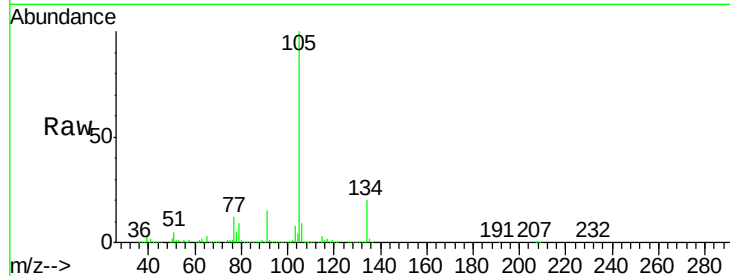
105 100

134 20.2 9.8 29.3

Manual Integrations  
APPROVED

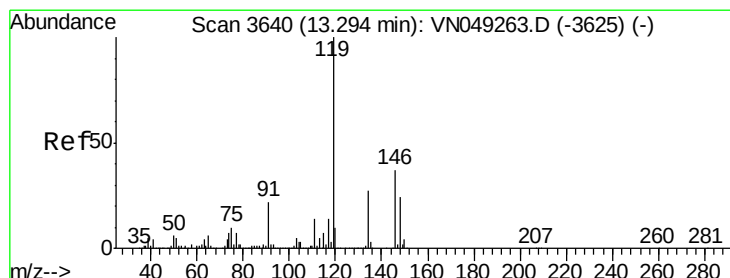
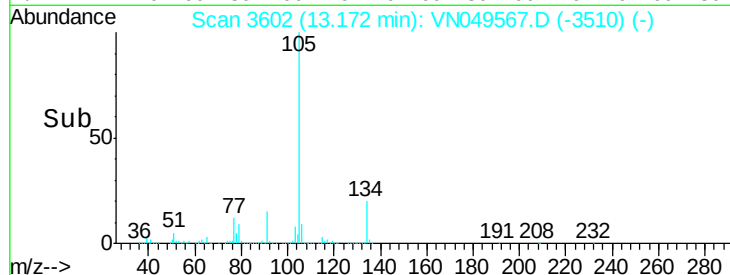
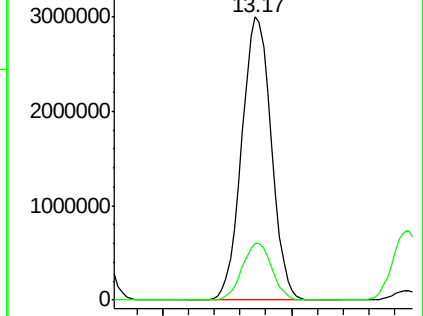
MMDadoda

6/28/2018 4:38:08 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.45 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

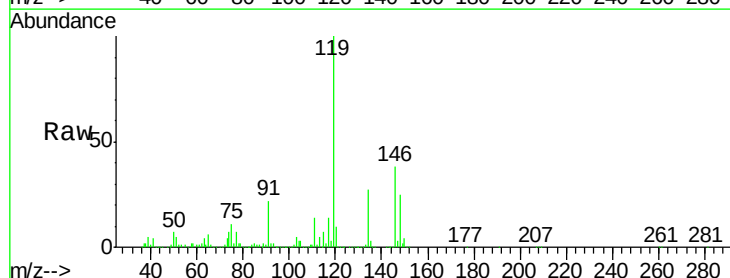
Tgt Ion:119 Resp: 4275981

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

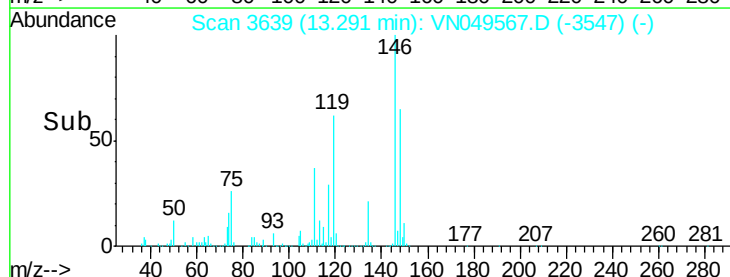
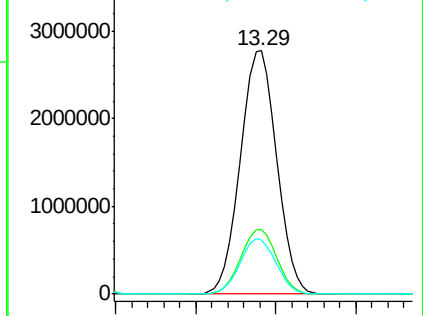
91 22.5 12.1 36.3



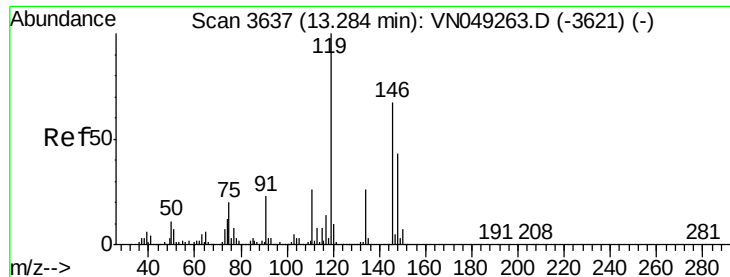
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V







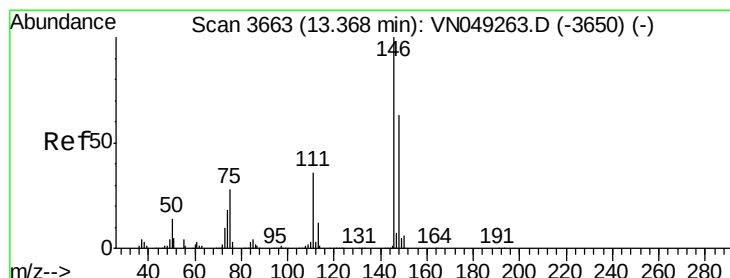
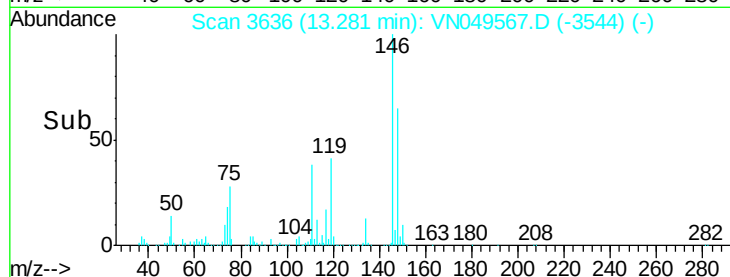
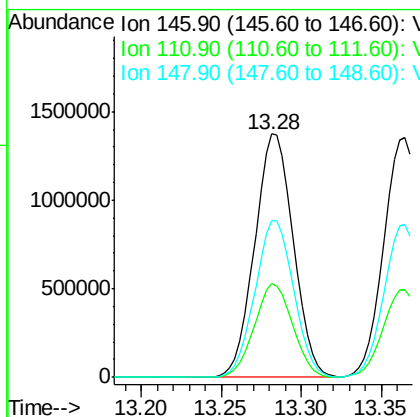
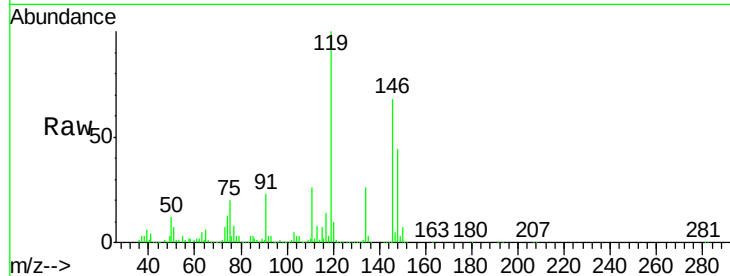
#87  
 1,3-Dichlorobenzene  
 Concen: 50.92 ug/l  
 RT: 13.28 min Scan# 3636  
 Delta R.T. -0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 19.9  | 59.6  |
| 148     | 64.5  | 32.1  | 96.5  |

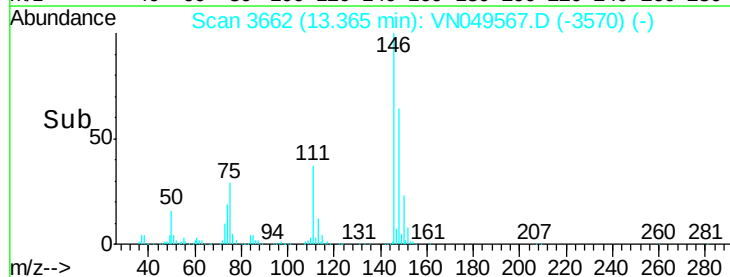
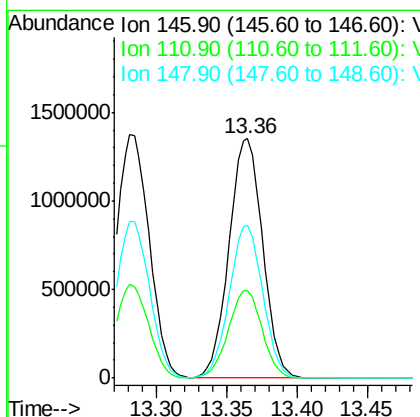
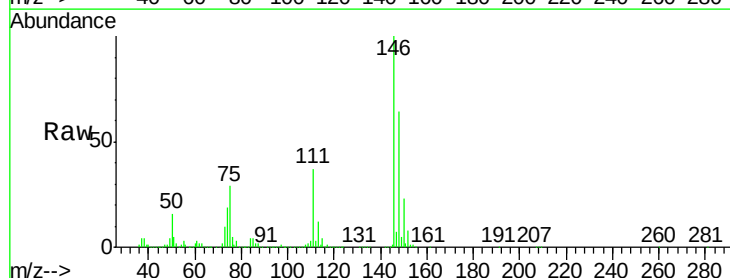
Manual Integrations  
 APPROVED

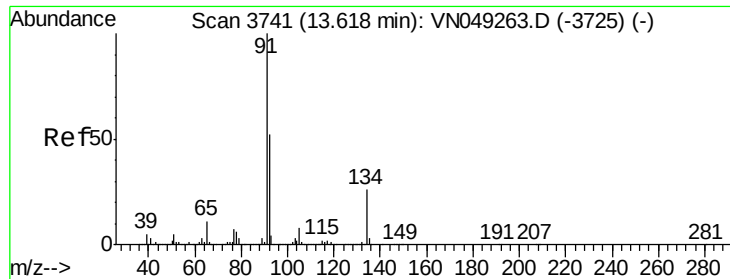
MMDadoda  
 6/28/2018 4:38:08 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 50.74 ug/l  
 RT: 13.36 min Scan# 3662  
 Delta R.T. -0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.6  | 19.1  | 57.1  |
| 148     | 63.4  | 32.0  | 96.2  |





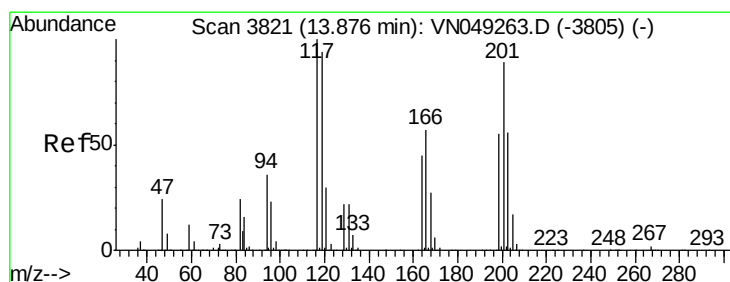
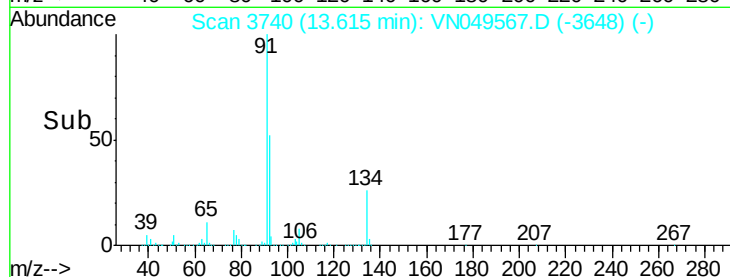
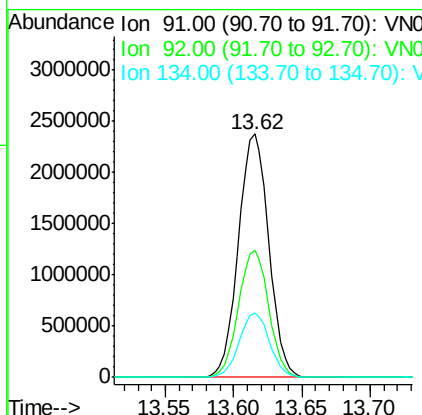
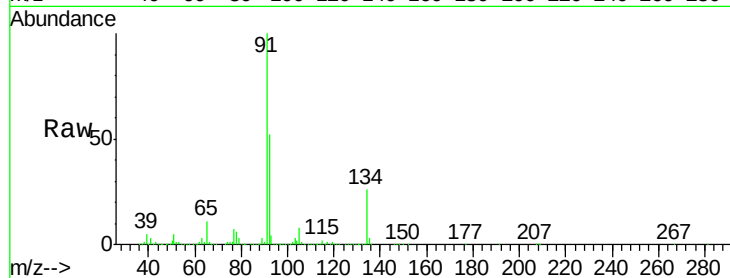
#89  
n-Butylbenzene  
Concen: 58.71 ug/l  
RT: 13.62 min Scan# 3740  
Delta R.T. -0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.1  | 25.1  | 75.4  |
| 134     | 26.2  | 12.0  | 36.0  |

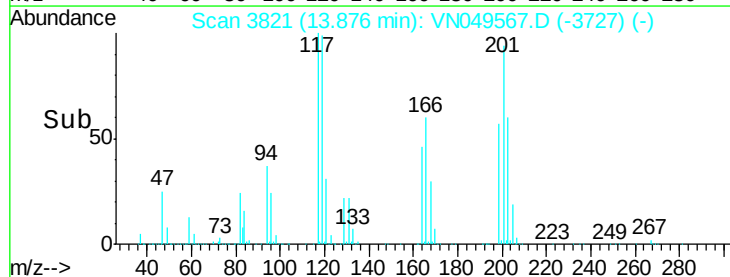
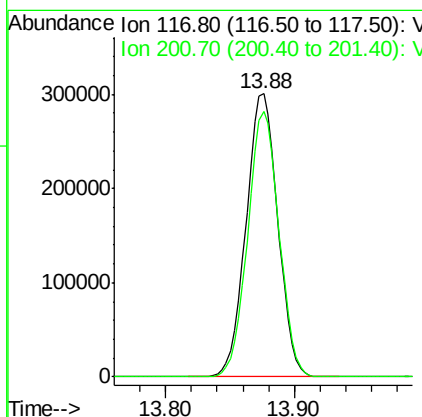
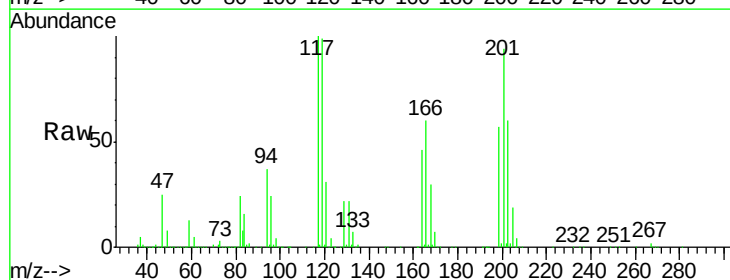
Manual Integrations  
APPROVED

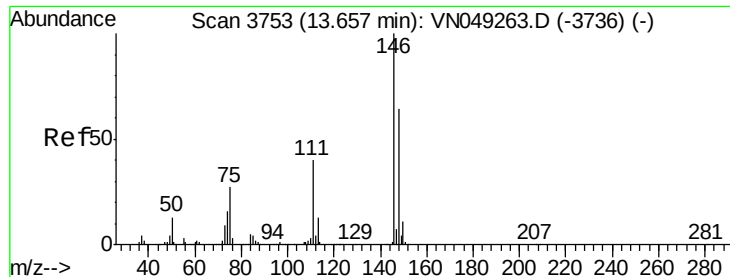
MMDadoda  
6/28/2018 4:38:08 PM



#90  
Hexachloroethane  
Concen: 33.42 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. 0.00 min  
Lab File: VN049567.D  
Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 92.5  | 40.1  | 120.2 |





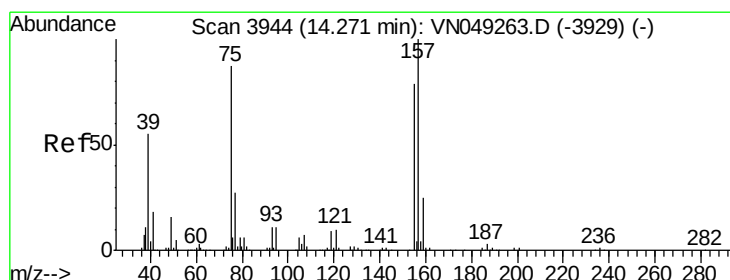
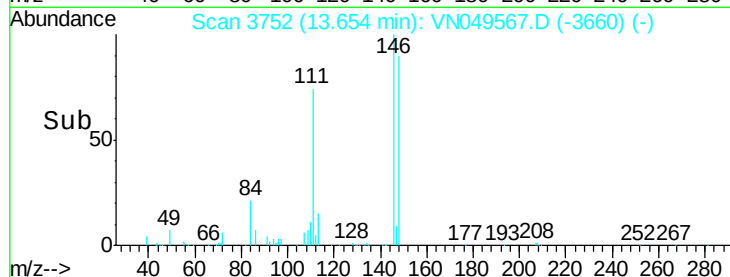
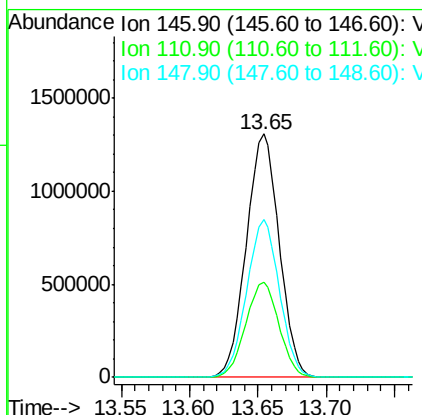
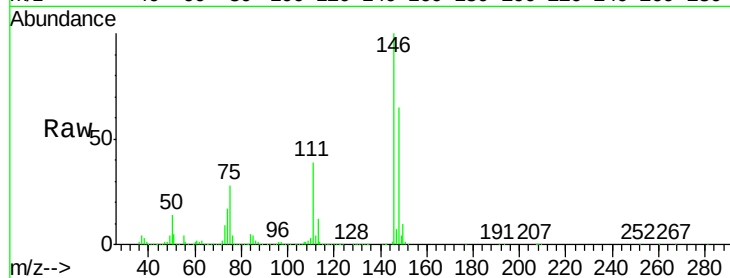
#91  
 1,2-Dichlorobenzene  
 Concen: 49.74 ug/l  
 RT: 13.65 min Scan# 3752  
 Delta R.T. -0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.5  | 20.8  | 62.2  |
| 148     | 64.4  | 32.0  | 96.2  |

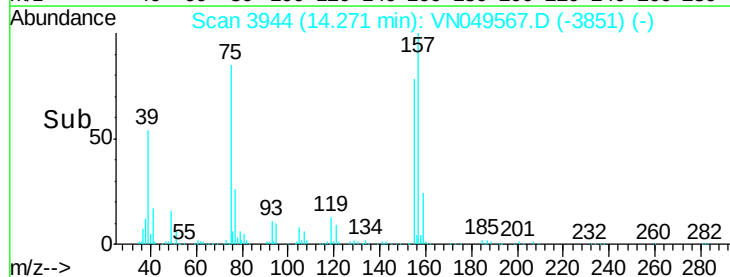
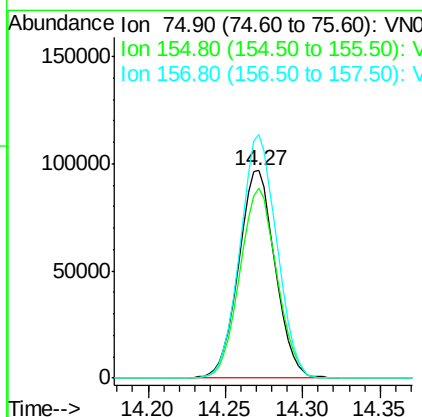
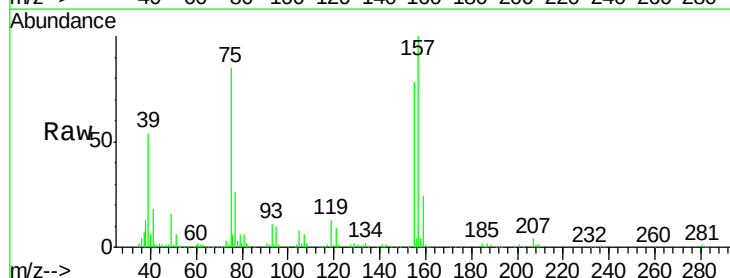
Manual Integrations  
 APPROVED

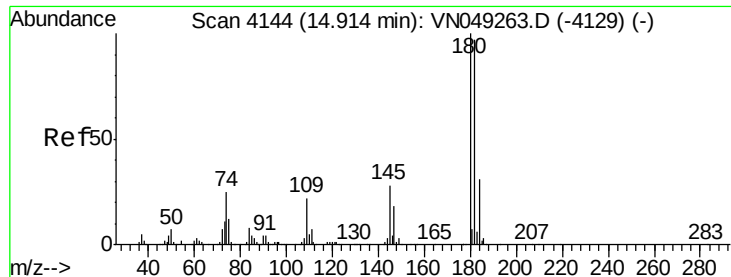
MMDadoda  
 6/28/2018 4:38:08 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 44.17 ug/l  
 RT: 14.27 min Scan# 3944  
 Delta R.T. 0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 92.7  | 38.8  | 116.3 |
| 157     | 117.6 | 51.0  | 153.1 |





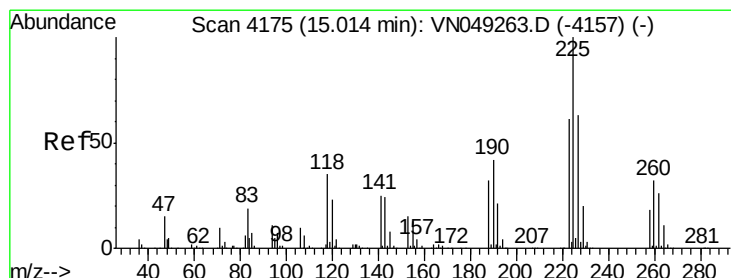
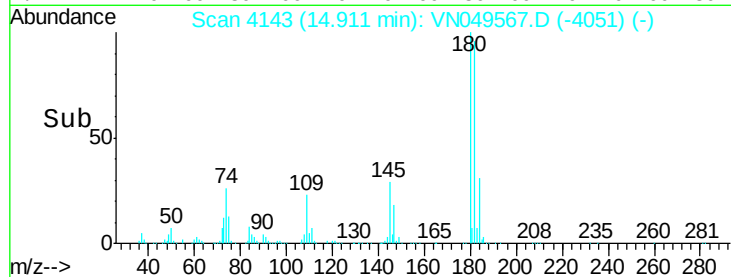
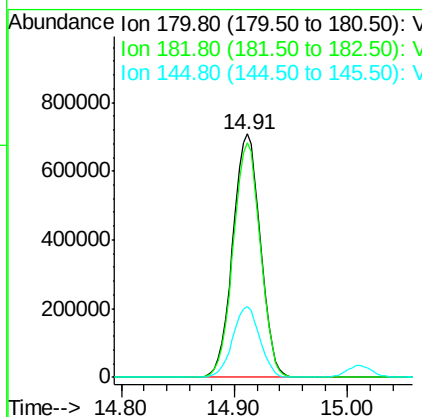
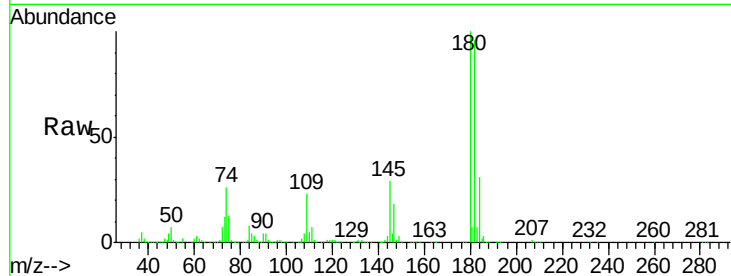
#93  
 1,2,4-Trichlorobenzene  
 Concen: 58.44 ug/l  
 RT: 14.91 min Scan# 4143  
 Delta R.T. -0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 46.9  | 140.8 |
| 145     | 28.6  | 14.7  | 44.1  |

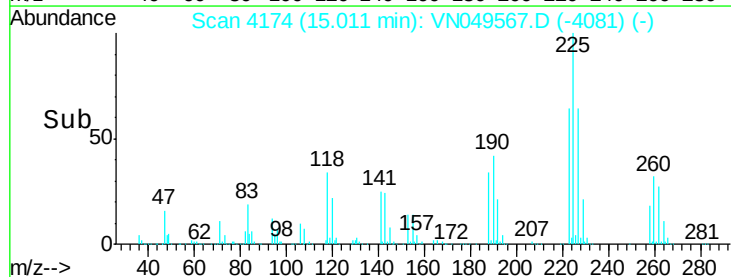
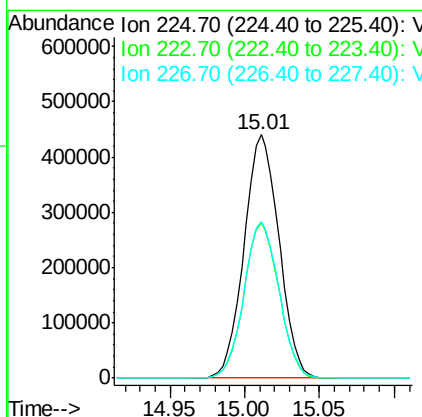
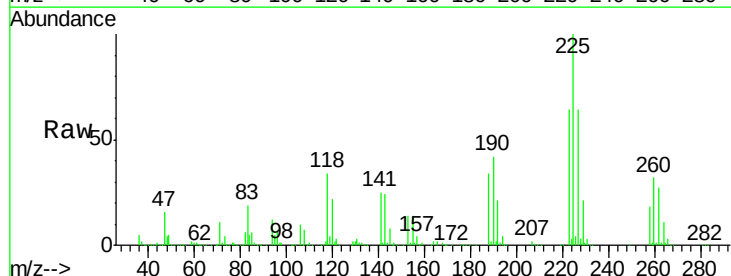
Manual Integrations  
 APPROVED

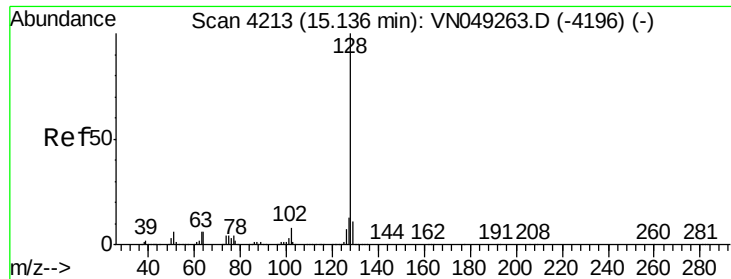
MMDadoda  
 6/28/2018 4:38:08 PM



#94  
 Hexachlorobutadiene  
 Concen: 55.90 ug/l  
 RT: 15.01 min Scan# 4174  
 Delta R.T. -0.00 min  
 Lab File: VN049567.D  
 Acq: 27 Jun 2018 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.7  | 32.1  | 96.3  |
| 227     | 64.5  | 31.8  | 95.3  |





#95

Naphthalene

Concen: 63.78 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 2389177

Ion Ratio Lower Upper

128 100

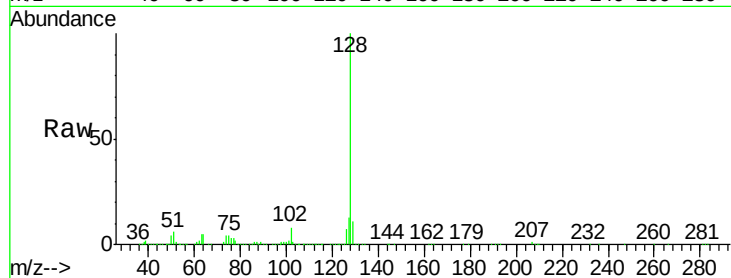
127 12.8 10.6 16.0

129 10.7 8.5 12.7

Manual Integrations  
APPROVED

MMDadoda

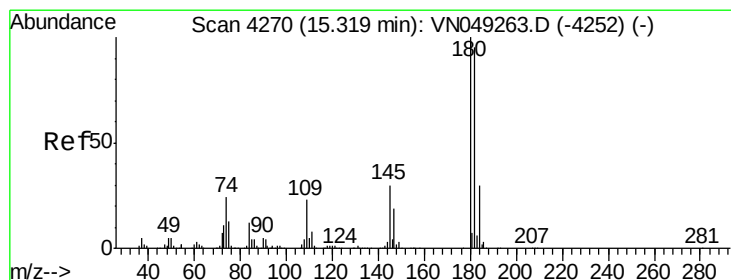
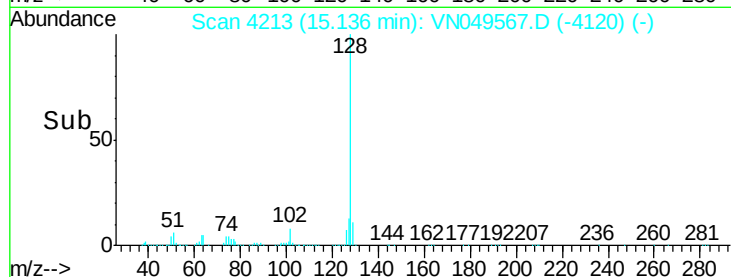
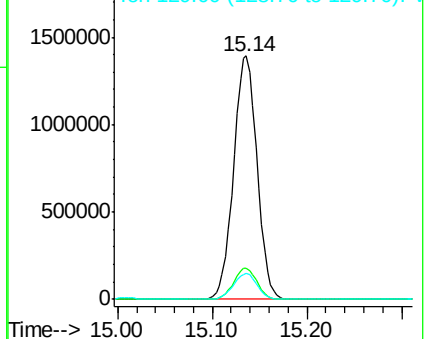
6/28/2018 4:38:08 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.42 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

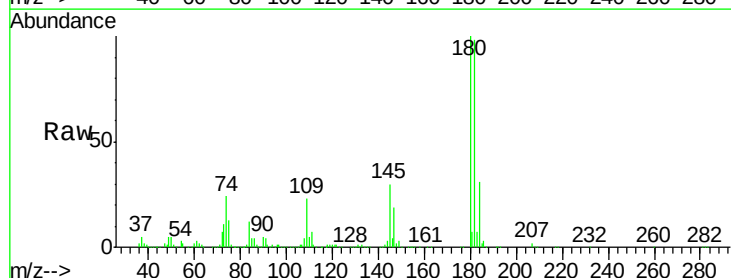
Tgt Ion:180 Resp: 1101286

Ion Ratio Lower Upper

180 100

182 96.0 47.3 141.8

145 30.2 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

