

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\  
 Data File : VN054801.D  
 Acq On : 30 Mar 2019 14:39  
 Operator : JC/SP  
 Sample : VN0330MBS01  
 Misc : 5.00µL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0330MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 4/1/2019 1:32:42 PM

Quant Time: Mar 30 23:12:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 00:48:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 411534   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 714118   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 614896   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 253298   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 309155   | 55.73 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 111.46% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 235696   | 49.51 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.02%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 877065   | 49.55 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.10%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 284310   | 48.30 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.60%  |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 83138   | 19.972  | ug/l   | 98     |
| 3) Chloromethane              | 2.06 | 50  | 117512  | 20.417  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.19 | 62  | 106347  | 20.575  | ug/l   | 100    |
| 5) Bromomethane               | 2.58 | 94  | 63418   | 22.151  | ug/l   | 94     |
| 6) Chloroethane               | 2.71 | 64  | 57151   | 19.802  | ug/l   | 93     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 132428  | 20.840  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 44587   | 21.790  | ug/l   | 67     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 68627   | 20.515  | ug/l   | 95     |
| 10) Methyl Iodide             | 3.94 | 142 | 95898   | 20.941  | ug/l # | 88     |
| 11) Tert butyl alcohol        | 4.82 | 59  | 39785   | 137.646 | ug/l # | 70     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 68337   | 21.125  | ug/l # | 70     |
| 13) Acrolein                  | 3.61 | 56  | 34903   | 135.075 | ug/l   | 98     |
| 14) Allyl chloride            | 4.32 | 41  | 163054  | 20.464  | ug/l # | 92     |
| 15) Acrylonitrile             | 5.00 | 53  | 197636  | 123.017 | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43  | 143560  | 108.519 | ug/l # | 80     |
| 17) Carbon Disulfide          | 4.04 | 76  | 197978  | 18.869  | ug/l   | 97     |
| 18) Methyl Acetate            | 4.34 | 43  | 90010   | 25.675  | ug/l # | 68     |
| 19) Methyl tert-butyl Ether   | 5.06 | 73  | 261060  | 23.071  | ug/l   | 96     |
| 20) Methylene Chloride        | 4.54 | 84  | 101290  | 21.706  | ug/l # | 86     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 89932   | 21.165  | ug/l   | 86     |
| 22) Diisopropyl ether         | 5.96 | 45  | 349227  | 22.160  | ug/l # | 94     |
| 23) Vinyl Acetate             | 5.90 | 43  | 1275944 | 116.344 | ug/l # | 92     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 183908  | 21.877  | ug/l   | 98     |
| 25) 2-Butanone                | 6.85 | 43  | 249876  | 127.781 | ug/l # | 88     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 111087  | 18.853  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 104681  | 21.809  | ug/l   | 89     |
| 28) Bromochloromethane        | 7.20 | 49  | 100867  | 23.995  | ug/l # | 68     |
| 29) Tetrahydrofuran           | 7.23 | 42  | 170211  | 125.322 | ug/l # | 84     |
| 30) Chloroform                | 7.37 | 83  | 178015  | 22.207  | ug/l   | 98     |
| 31) Cyclohexane               | 7.65 | 56  | 172661  | 21.361  | ug/l   | 87     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 145689  | 21.931  | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 129469  | 19.457  | ug/l   | 97     |
| 37) Ethyl Acetate             | 6.94 | 43  | 113357  | 23.230  | ug/l   | 96     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 122650  | 18.977  | ug/l   | 100    |

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 Sample : VN0330MBS01  
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0330MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 4/1/2019 1:32:42 PM

Quant Time: Mar 30 23:12:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 00:48:18 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 137177   | 18.751  | ug/l   | 88       |
| 40) Benzene                    | 8.04  | 78   | 395228   | 20.758  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 67134    | 24.491  | ug/l # | 86       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 143414   | 21.095  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 183082   | 23.091  | ug/l # | 93       |
| 44) Trichloroethene            | 8.83  | 130  | 98855    | 20.001  | ug/l   | 91       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 111740   | 20.582  | ug/l   | 95       |
| 46) Dibromomethane             | 9.21  | 93   | 66011    | 21.614  | ug/l   | 86       |
| 47) Bromodichloromethane       | 9.40  | 83   | 129122   | 20.343  | ug/l   | 95       |
| 48) Methyl methacrylate        | 9.20  | 41   | 94381    | 21.959  | ug/l   | 87       |
| 49) 1,4-Dioxane                | 9.21  | 88   | 21863    | 512.664 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 537964   | 120.680 | ug/l   | 92       |
| 52) Toluene                    | 10.16 | 92   | 229208   | 20.231  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 117457   | 19.672  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 145939   | 20.462  | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 90267    | 21.427  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 120588   | 21.821  | ug/l # | 85       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 154161   | 21.285  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 235161   | 105.049 | ug/l   | 89       |
| 59) 2-Hexanone                 | 10.75 | 43   | 333919   | 117.013 | ug/l   | 90       |
| 60) Dibromochloromethane       | 10.90 | 129  | 87039    | 20.396  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 86430    | 21.468  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 98055    | 20.781  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.44 | 112  | 243175   | 20.199  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 89421    | 19.844  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 444034   | 20.439  | ug/l   | 96       |
| 68) m/p-Xylenes                | 11.62 | 106  | 320004   | 39.803  | ug/l   | 95       |
| 69) o-Xylene                   | 11.95 | 106  | 159074   | 20.178  | ug/l   | 96       |
| 70) Styrene                    | 11.97 | 104  | 261502   | 20.746  | ug/l   | 98       |
| 71) Bromoform                  | 12.13 | 173  | 53342    | 20.206  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 416420   | 20.113  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.07 | 43   | 142738   | 22.130  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 113500   | 23.977  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 98406m   | 22.363  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 102538   | 20.521  | ug/l   | 84       |
| 78) n-propylbenzene            | 12.59 | 91   | 453806   | 19.943  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 281293   | 19.981  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 339880   | 20.007  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 20650    | 18.254  | ug/l # | 75       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 276197   | 20.199  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 295283   | 21.233  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 330654   | 20.430  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 368643   | 19.976  | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 315698   | 19.396  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 165564   | 19.791  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 160014   | 19.502  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.62 | 91   | 248073   | 18.681  | ug/l   | 97       |
| 90) Hexachloroethane           | 13.88 | 117  | 50390    | 18.234  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 168306   | 19.935  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 16954    | 23.954  | ug/l   | 76       |

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Acq On : 30 Mar 2019 14:39  
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Sample : VN0330MBS01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

Manual Integrations  
APPROVED

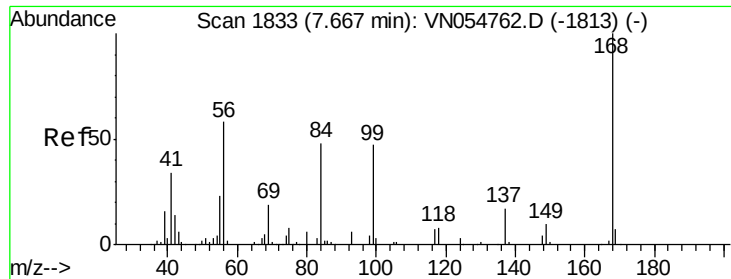
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4/1/2019 1:32:42 PM

Quant Time: Mar 30 23:12:40 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 30 00:48:18 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 73349    | 18.020 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 47980    | 18.582 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 175890   | 19.267 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 77679    | 18.896 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0330MBS01

Tot Ion:168 Resp: 411534

Ion Ratio Lower Upper

168 100

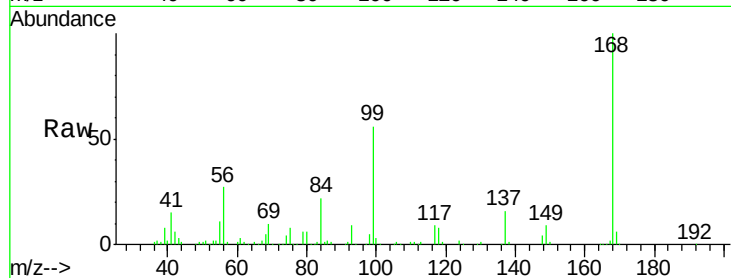
99 54.9 37.1 55.7

Manual Integrations

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4/1/2019 1:32:42 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

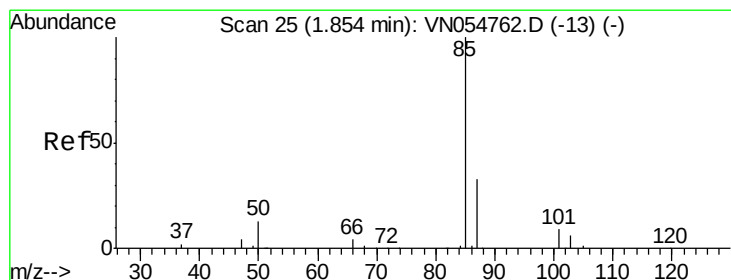
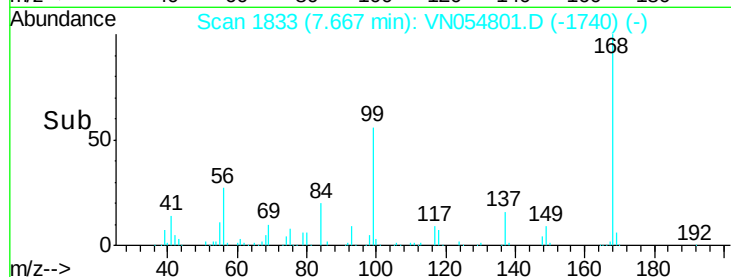
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 19.972 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054801.D

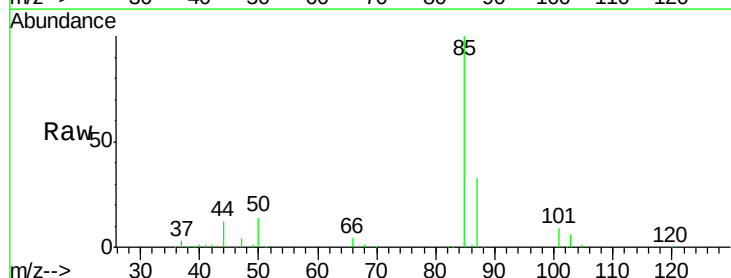
Acq: 30 Mar 2019 14:39

Tgt Ion: 85 Resp: 83138

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

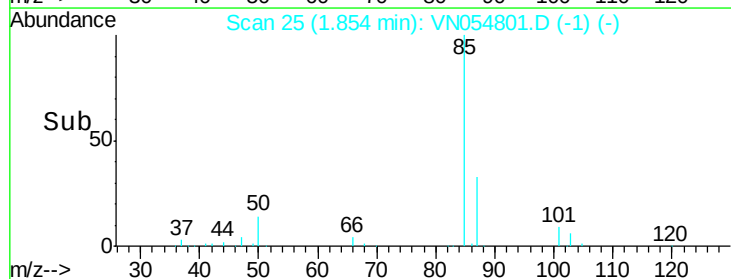
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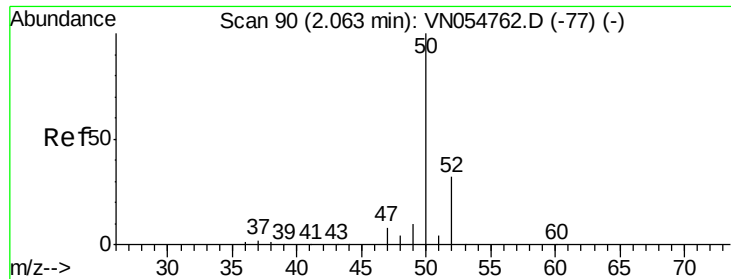
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1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.417 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0330MBS01

Tot Ion: 50 Resp: 117512

Ion Ratio Lower Upper

50 100

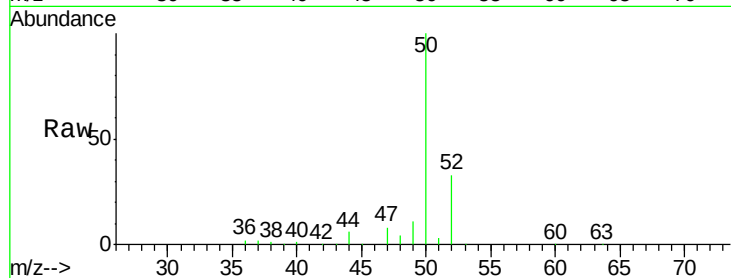
52 33.1 26.4 39.6

Manual Integrations

APPROVED

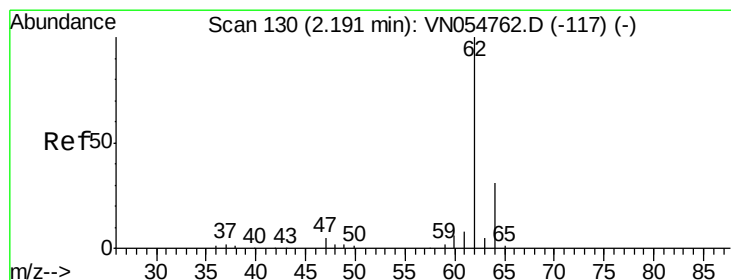
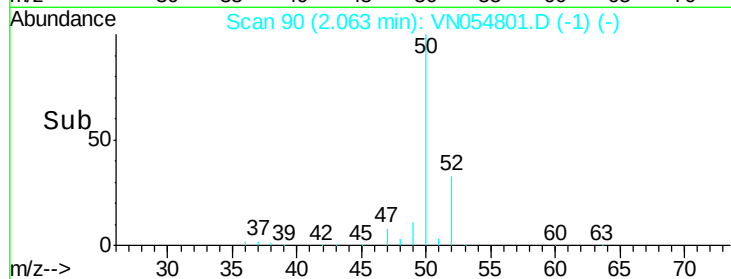
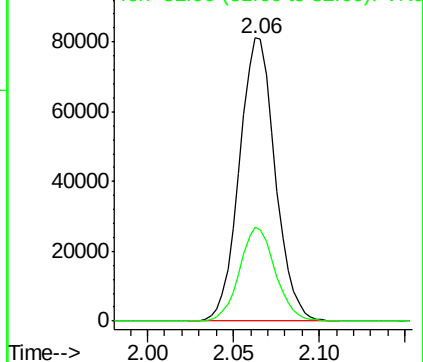
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.575 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054801.D

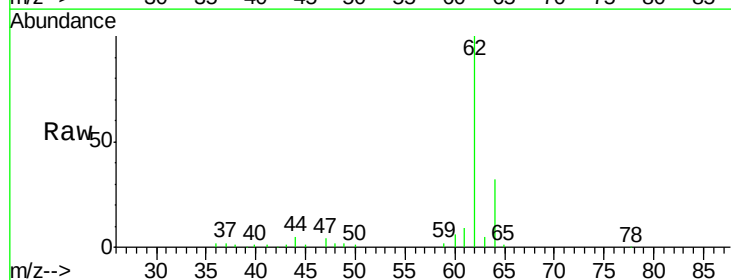
Acq: 30 Mar 2019 14:39

Tgt Ion: 62 Resp: 106347

Ion Ratio Lower Upper

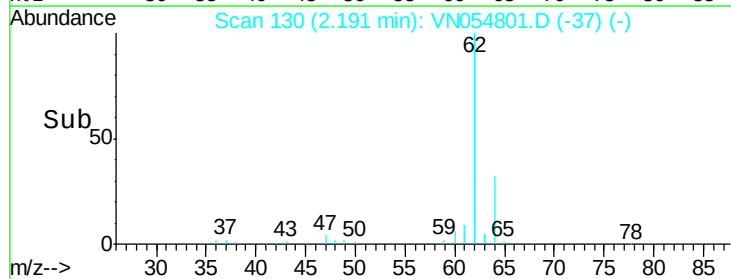
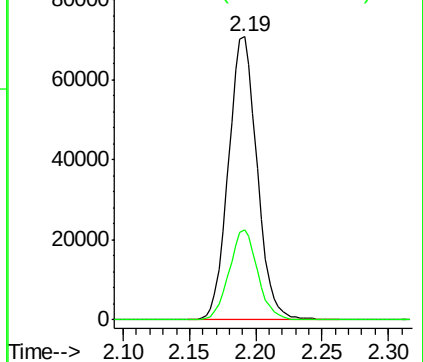
62 100

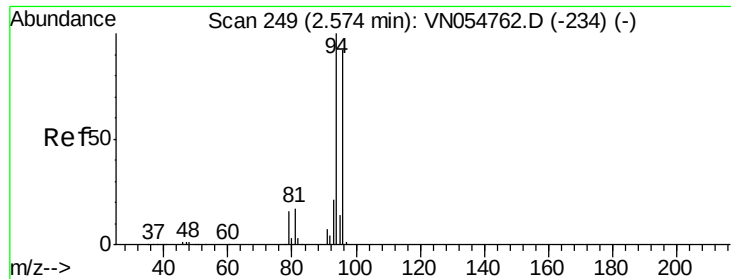
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 22.151 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0330MBS01

Tot Ion: 94 Resp: 63418

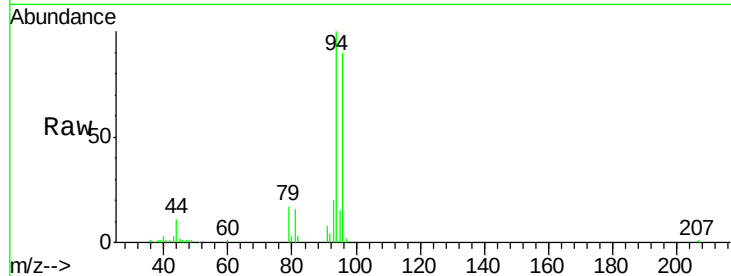
Ion Ratio Lower Upper

94 100

96 90.1 77.0 115.4

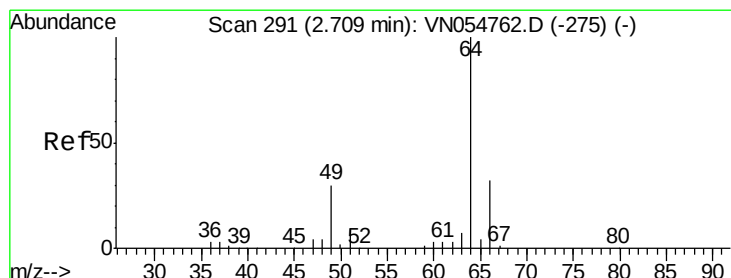
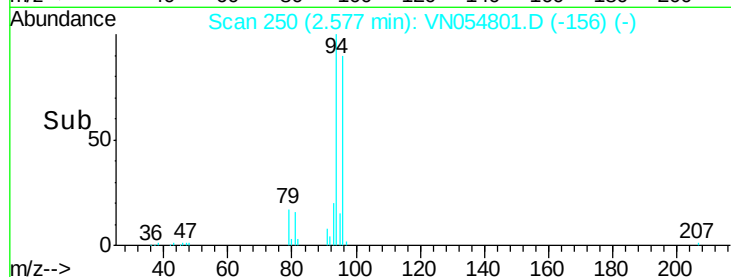
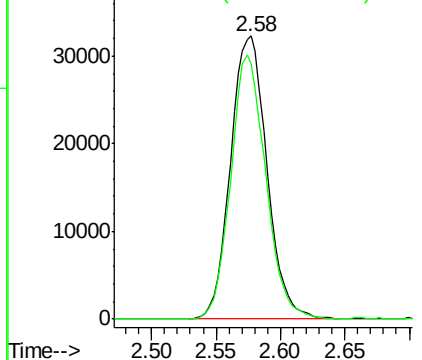
Manual Integrations  
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.802 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054801.D

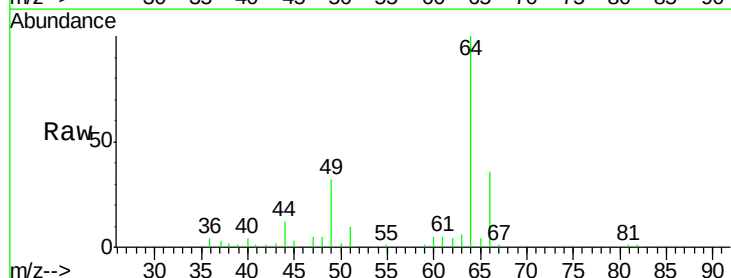
Acq: 30 Mar 2019 14:39

Tgt Ion: 64 Resp: 57151

Ion Ratio Lower Upper

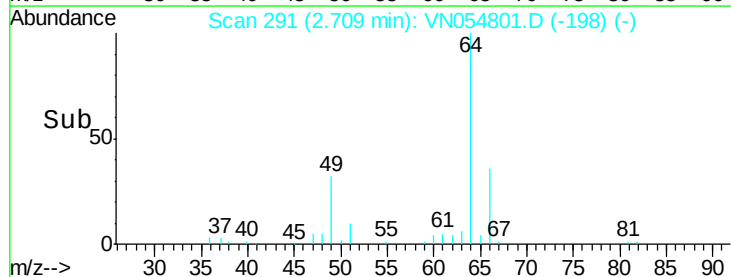
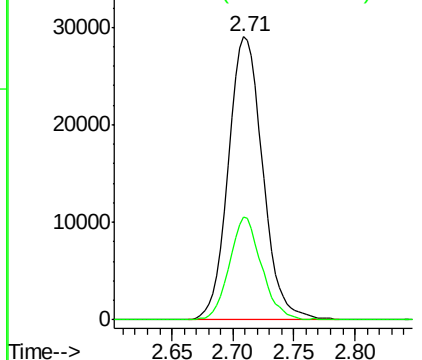
64 100

66 36.2 25.7 38.5

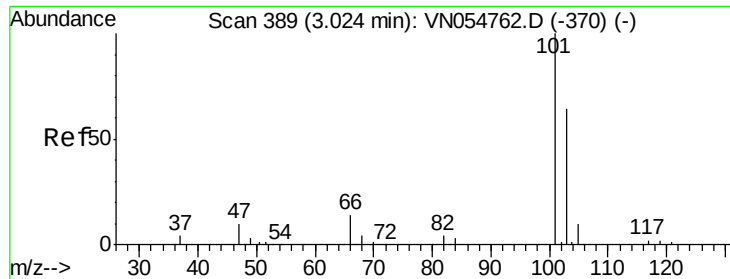


Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO







#7

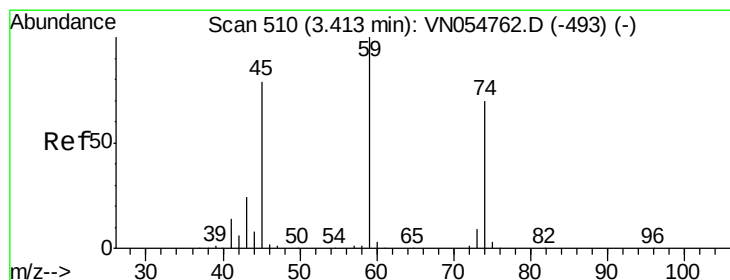
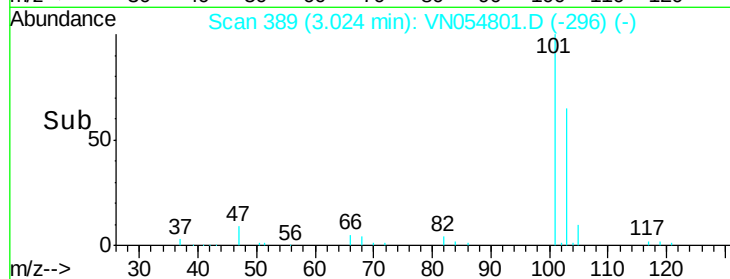
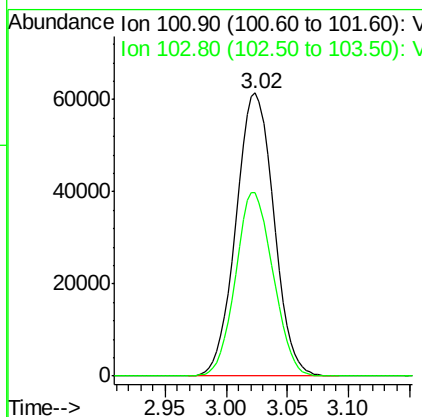
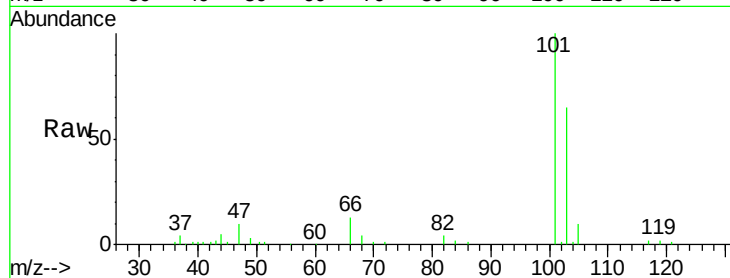
Trichlorofluoromethane  
Concen: 20.840 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.7  | 51.4  | 77.2  |

Manual Integrations  
APPROVED

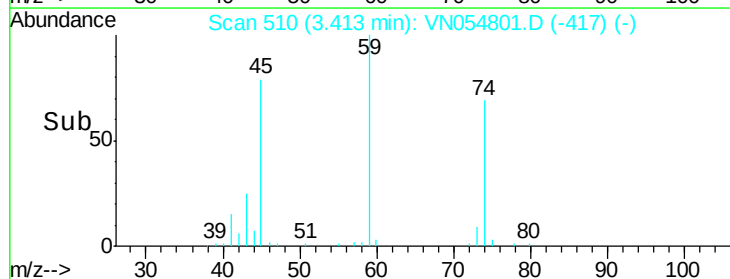
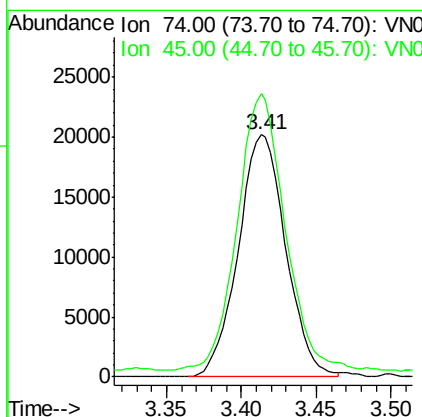
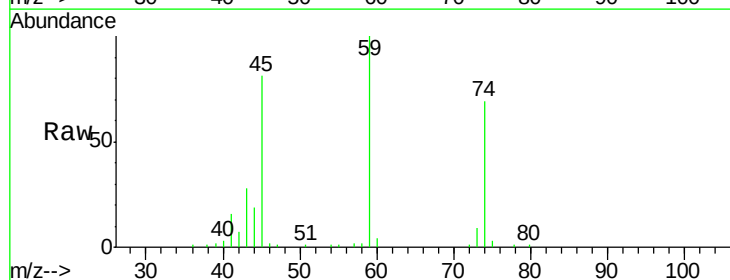
MMDadoda  
4/1/2019 1:32:42 PM



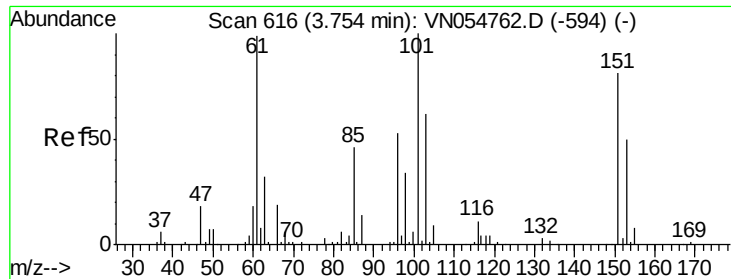
#8

Diethyl Ether  
Concen: 21.790 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 116.4 | 43.1  | 129.4 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.515 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

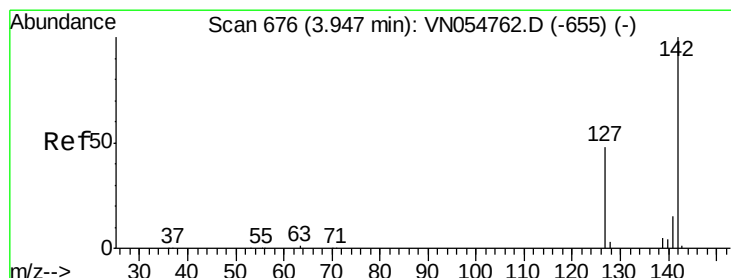
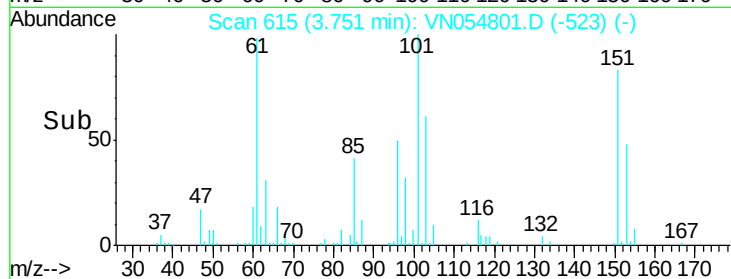
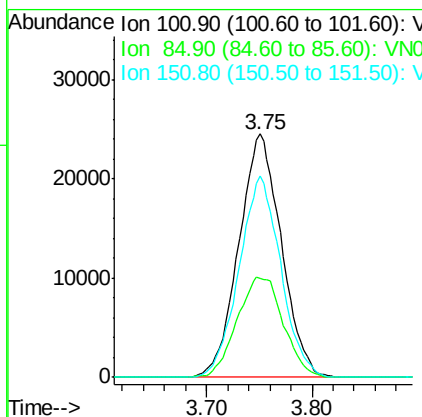
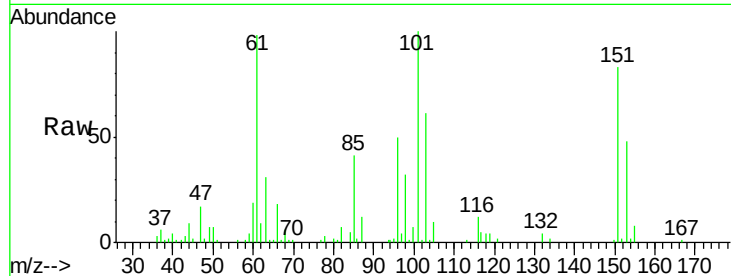
ClientSampleId :

VN0330MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 68627 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.7  | 32.4  | 48.6  |
| 151       | 81.0  | 68.2  | 102.2 |

Manual Integrations  
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MMDadoda  
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#10

Methyl Iodide

Concen: 20.941 ug/l

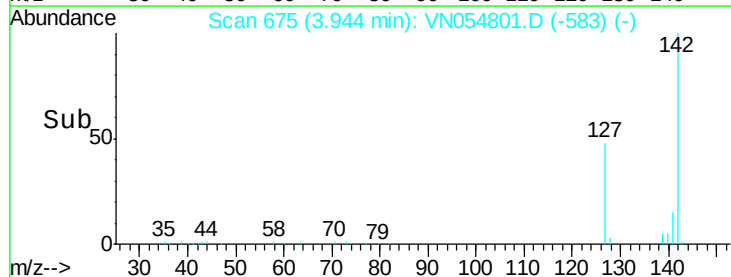
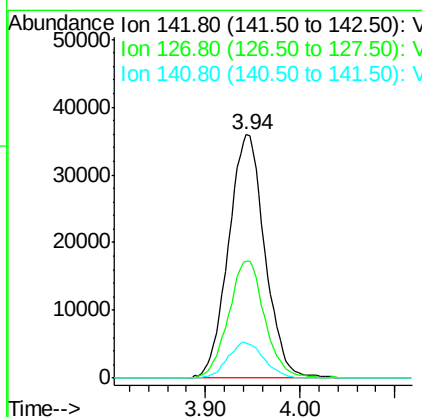
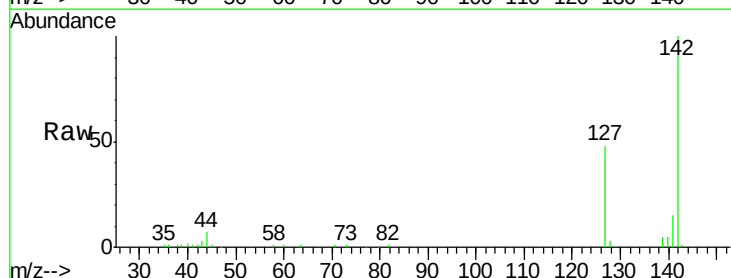
RT: 3.94 min Scan# 675

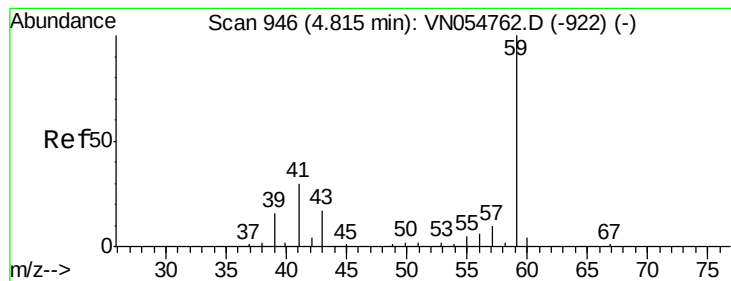
Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 95898 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 47.8  | 30.3  | 45.5# |
| 141       | 14.5  | 11.2  | 16.8  |





#11

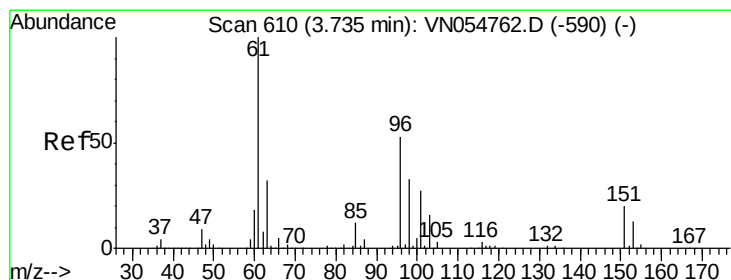
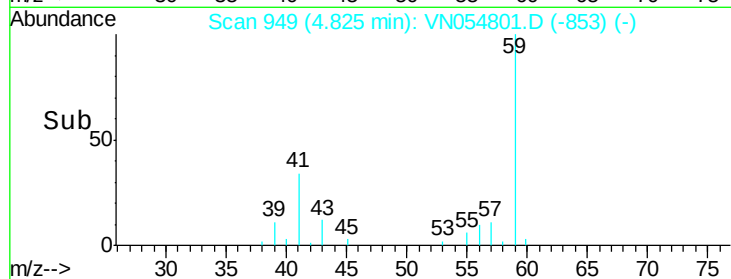
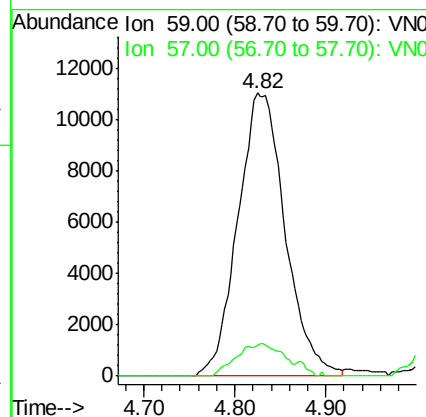
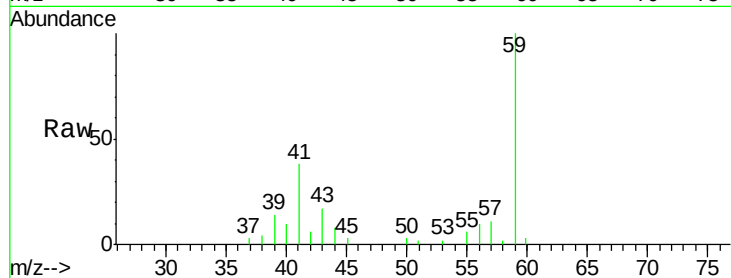
Tert butyl alcohol  
Concen: 137.646 ug/l  
RT: 4.82 min Scan# 949  
Delta R.T. 0.01 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 0.0   | 9.0   | 13.6# |

Manual Integrations  
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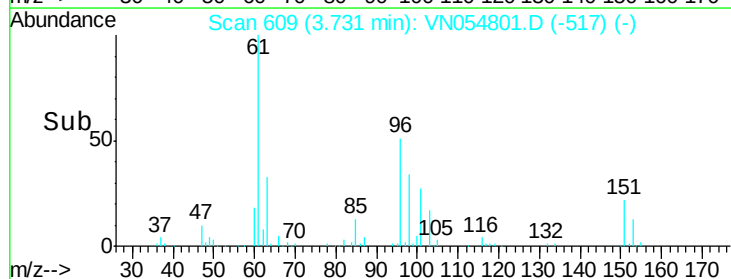
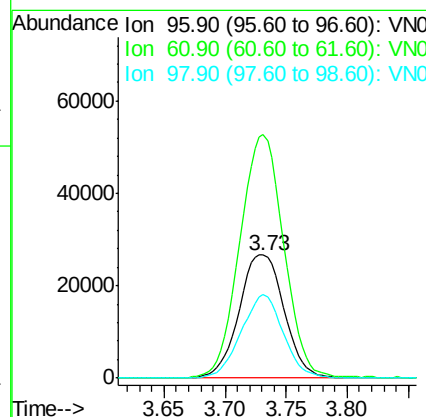
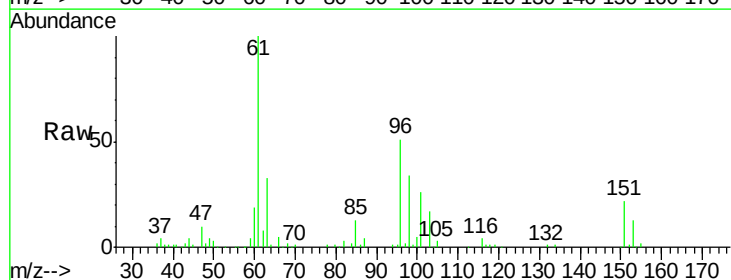
MMDadoda  
4/1/2019 1:32:42 PM

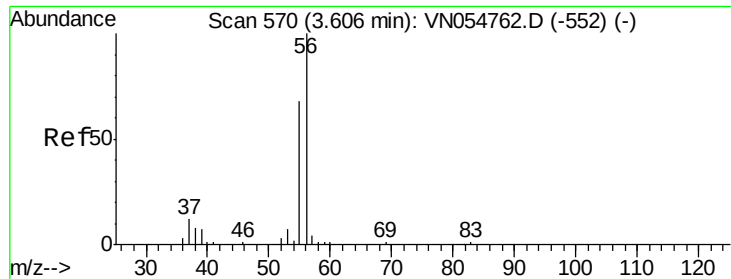


#12

1,1-Dichloroethene  
Concen: 21.125 ug/l  
RT: 3.73 min Scan# 609  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 96      | 100   |       |        |
| 61      | 196.5 | 116.5 | 174.7# |
| 98      | 67.5  | 51.0  | 76.4   |





#13

Acrolein

Concen: 135.075 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0330MBS01

Tot Ion: 56 Resp: 34903

Ion Ratio Lower Upper

56 100

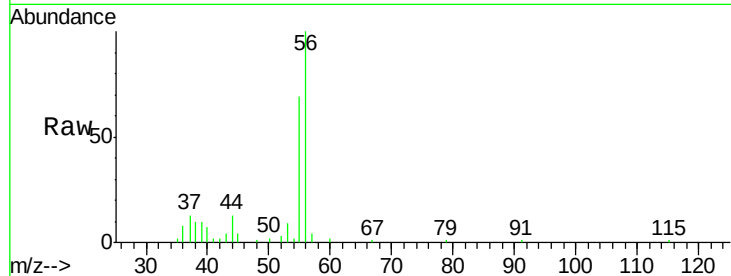
55 72.8 56.7 85.1

Manual Integrations

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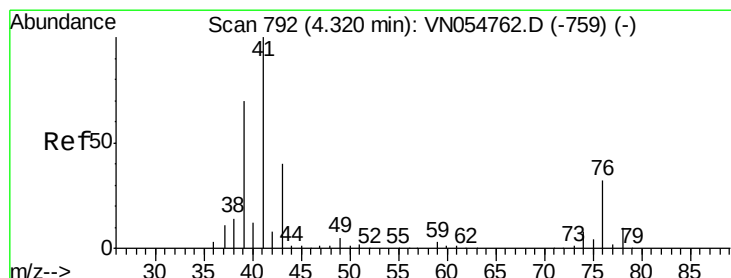
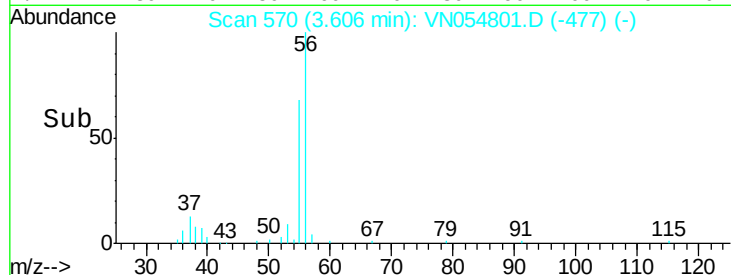
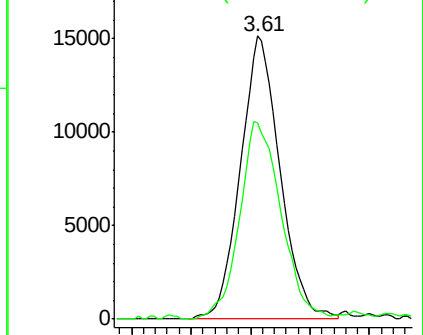
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.464 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

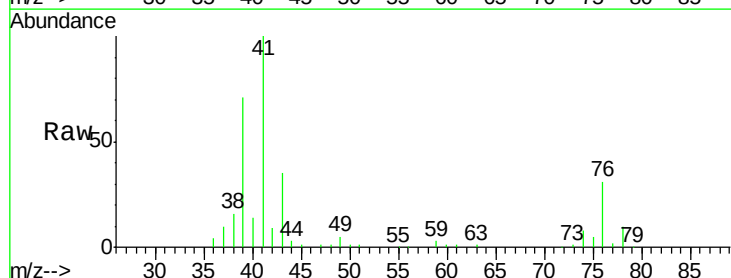
Tgt Ion: 41 Resp: 163054

Ion Ratio Lower Upper

41 100

39 70.3 58.2 87.4

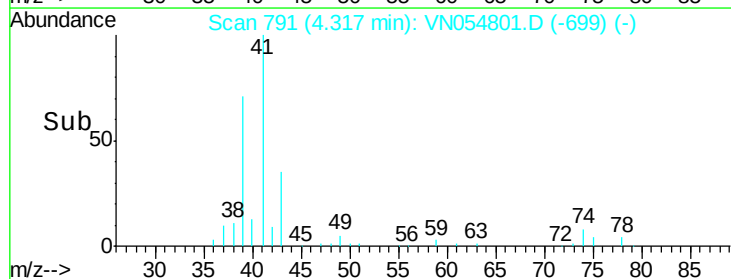
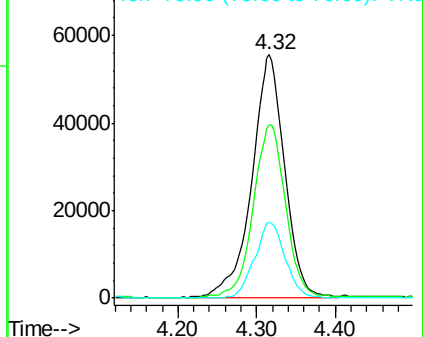
76 29.2 31.7 47.5#

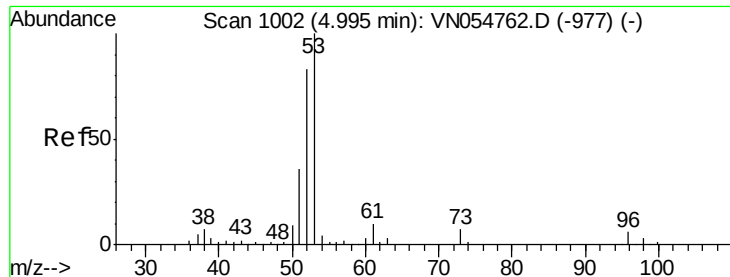


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 123.017 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

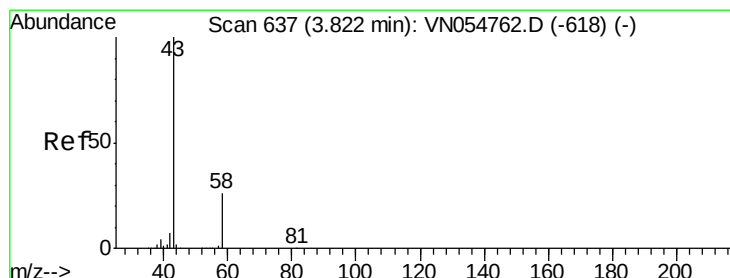
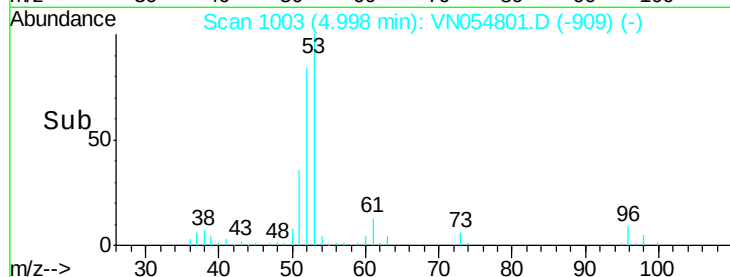
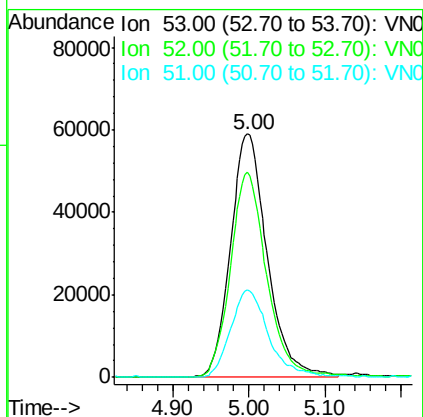
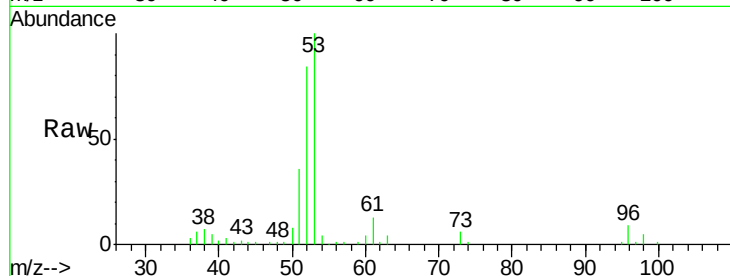
ClientSampleId :

VN0330MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 197636 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.4  | 66.4  | 99.6   |
| 51       | 37.2  | 29.6  | 44.4   |

Manual Integrations  
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MMDadoda  
4/1/2019 1:32:42 PM



#16

Acetone

Concen: 108.519 ug/l

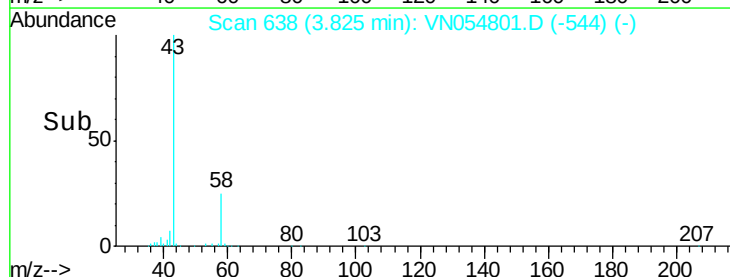
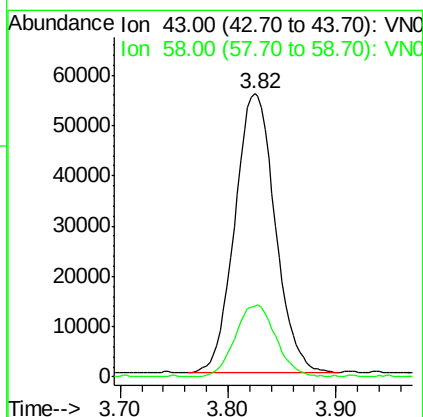
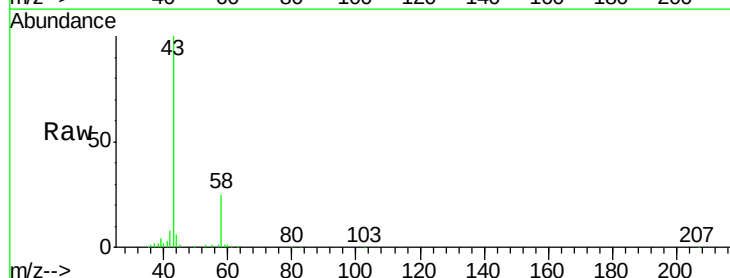
RT: 3.82 min Scan# 638

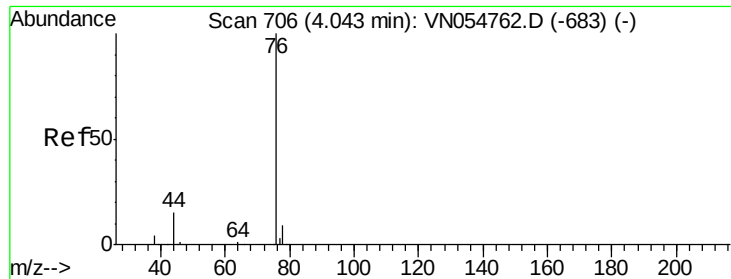
Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 143560 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 25.2  | 29.9  | 44.9#  |





#17

Carbon Disulfide

Concen: 18.869 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0330MBS01

Tot Ion: 76 Resp: 197978

Ion Ratio Lower Upper

76 100

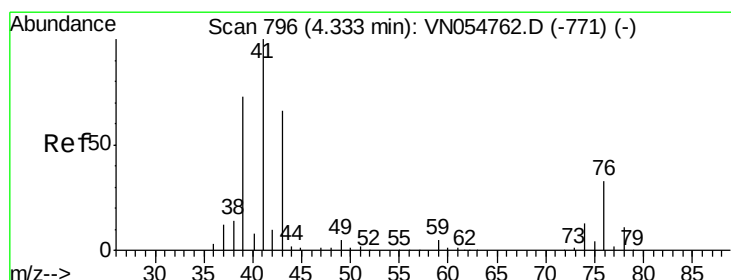
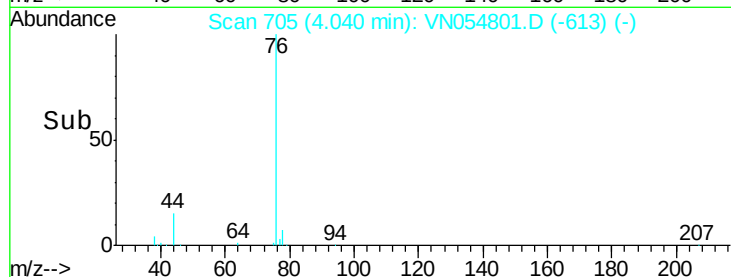
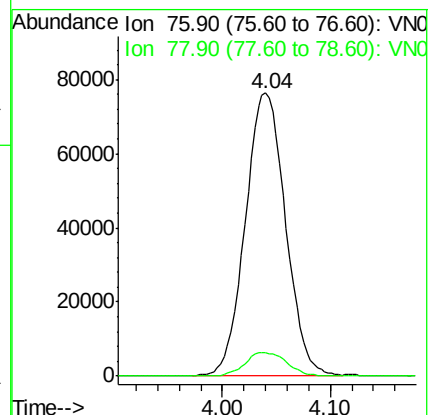
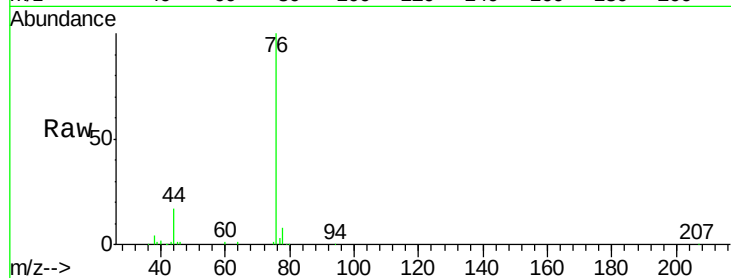
78 8.1 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 25.675 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.00 min

Lab File: VN054801.D

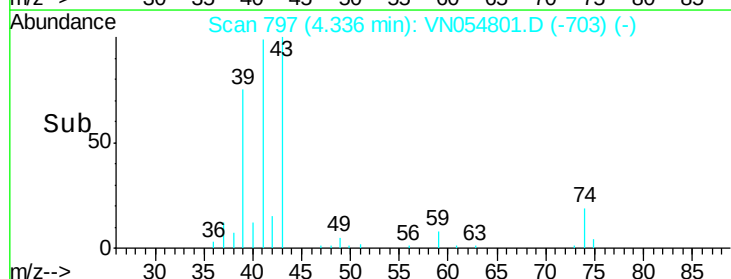
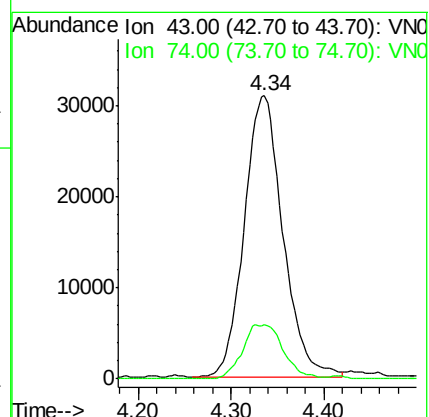
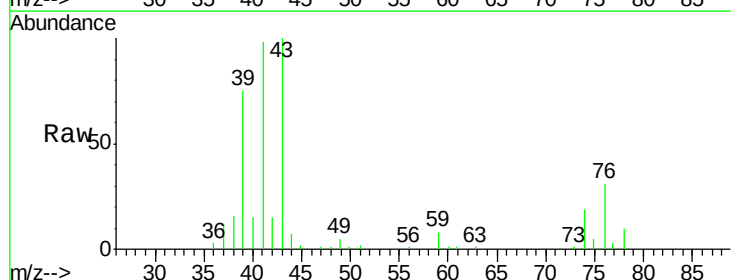
Acq: 30 Mar 2019 14:39

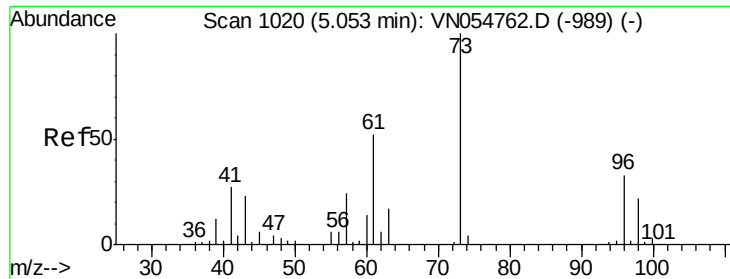
Tgt Ion: 43 Resp: 90010

Ion Ratio Lower Upper

43 100

74 9.8 20.8 31.2#





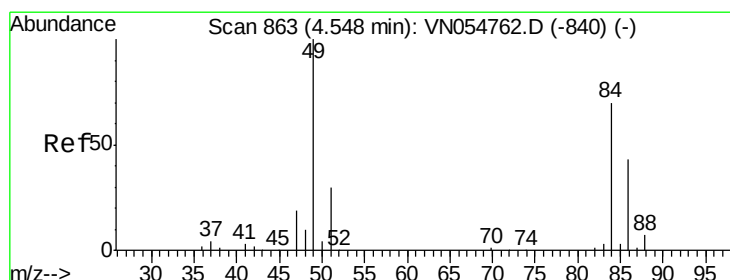
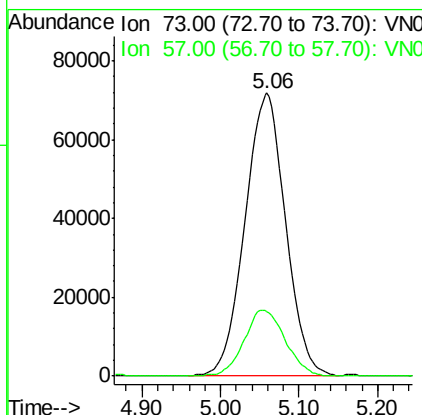
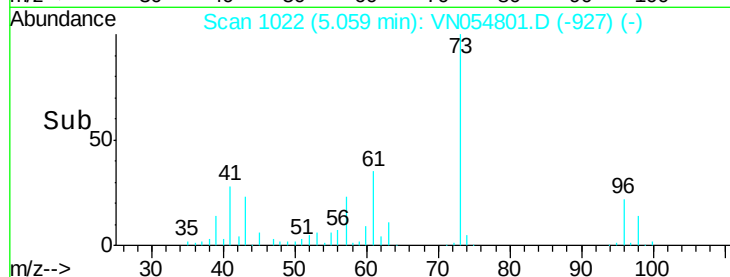
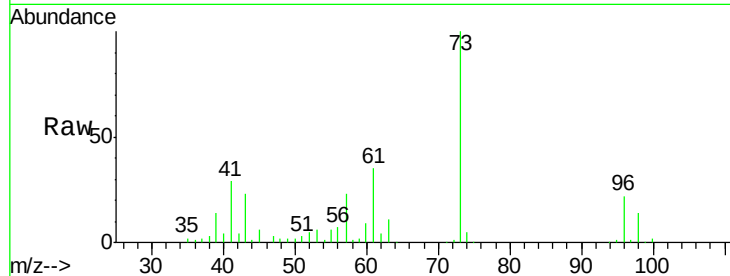
#19  
Methyl tert-butyl Ether  
Concen: 23.071 ug/l  
RT: 5.06 min Scan# 1022  
Delta R.T. 0.01 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

Tot Ion: 73 Resp: 261060  
Ion Ratio Lower Upper  
73 100  
57 22.9 16.8 25.2

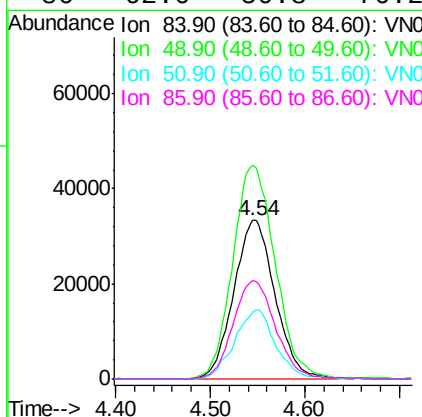
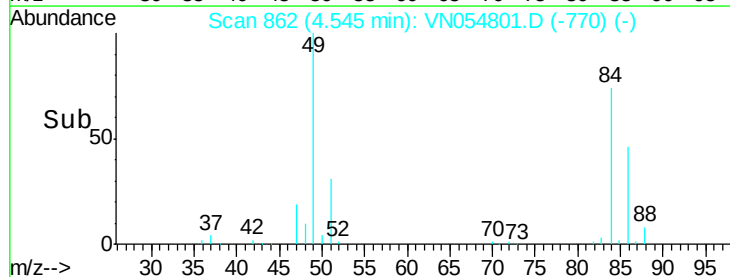
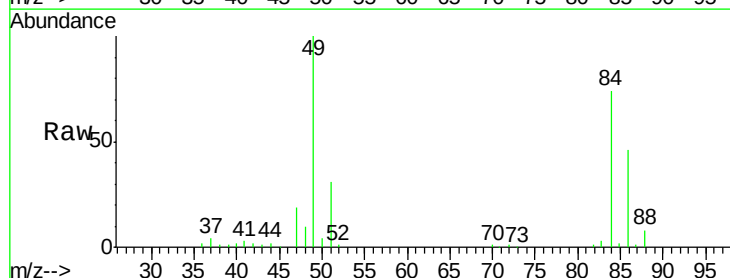
Manual Integrations  
APPROVED

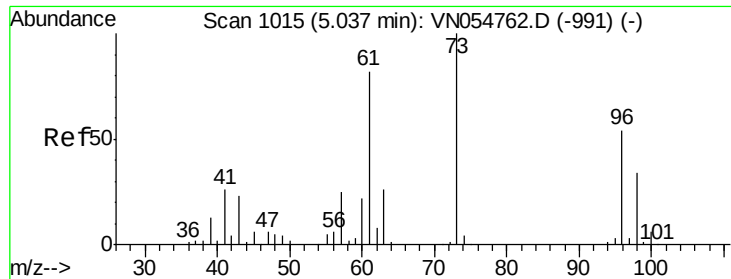
MMDadoda  
4/1/2019 1:32:42 PM



#20  
Methylene Chloride  
Concen: 21.706 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Tgt Ion: 84 Resp: 101290  
Ion Ratio Lower Upper  
84 100  
49 134.6 89.7 134.5#  
51 41.7 28.2 42.4  
86 62.0 50.8 76.2





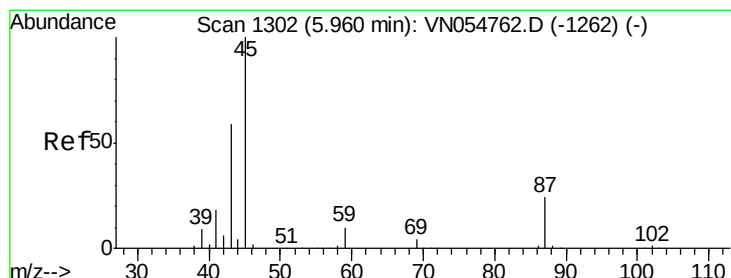
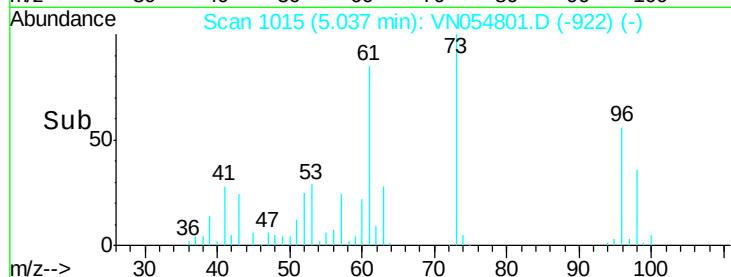
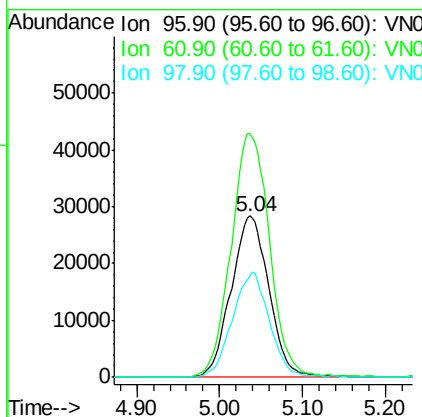
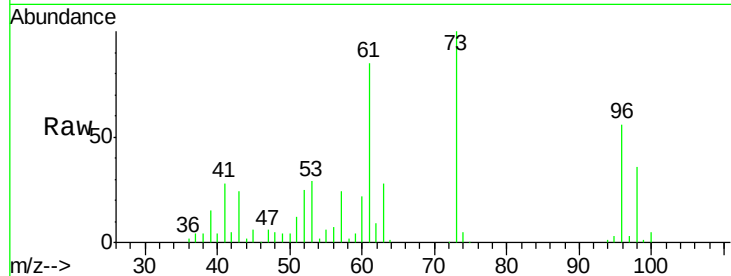
#21  
trans-1,2-Dichloroethene  
Concen: 21.165 ug/l  
RT: 5.04 min Scan# 1015  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0330MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 151.1 | 102.8 | 154.2 |
| 98      | 63.4  | 50.0  | 75.0  |

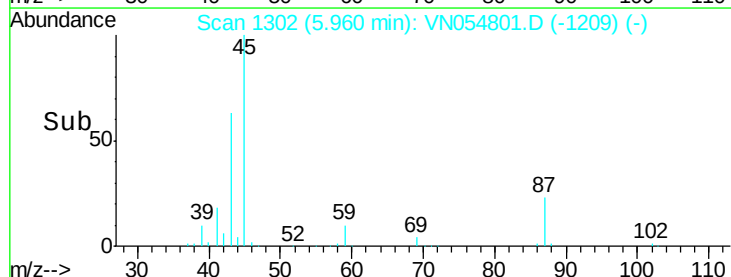
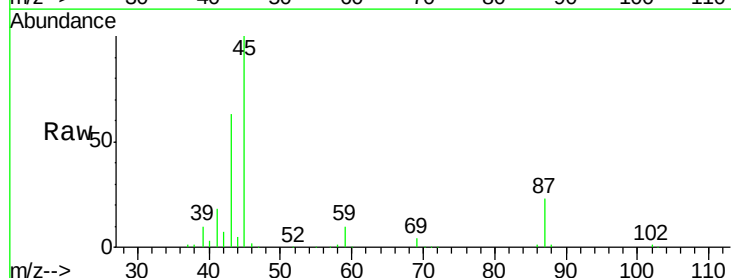
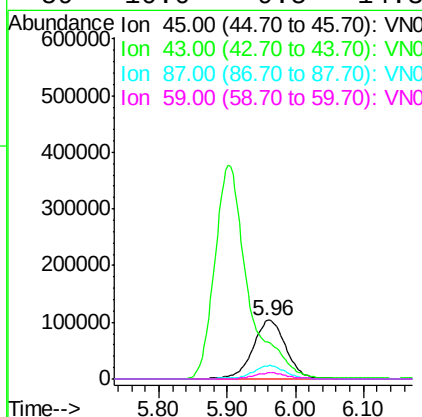
Manual Integrations  
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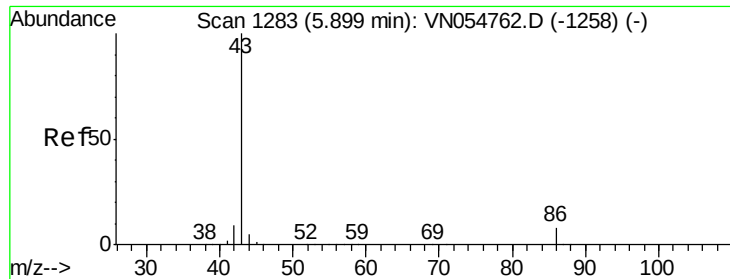


#22  
Diisopropyl ether  
Concen: 22.160 ug/l  
RT: 5.96 min Scan# 1302  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 61.0  | 48.2  | 72.2  |
| 87      | 22.8  | 24.9  | 37.3  |
| 59      | 10.0  | 9.5   | 14.3  |







#23

Vinyl Acetate

Concen: 116.344 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0330MBS01

Tot Ion: 43 Resp: 1275944

Ion Ratio Lower Upper

43 100

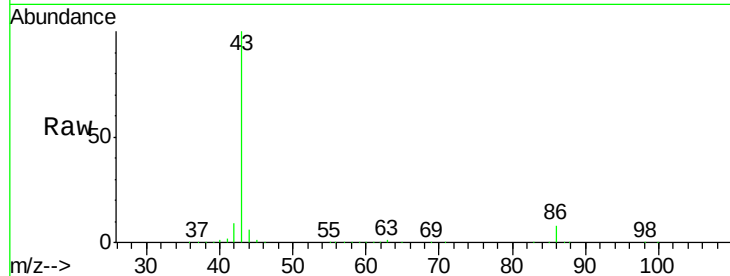
86 8.4 9.1 13.7#

Manual Integrations

APPROVED

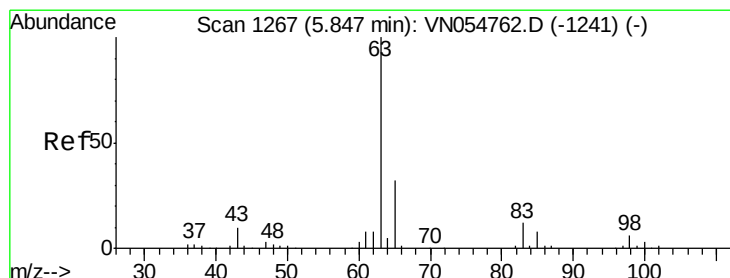
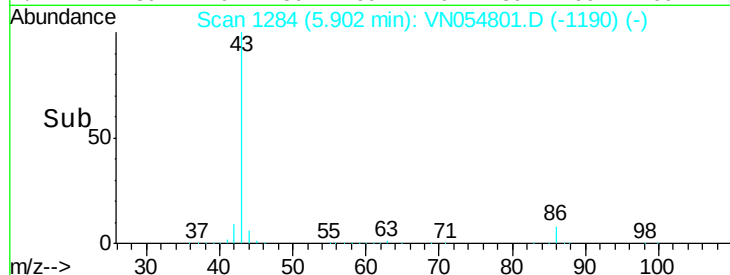
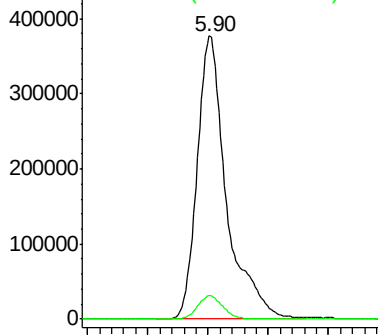
MMDadoda

4/1/2019 1:32:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.877 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

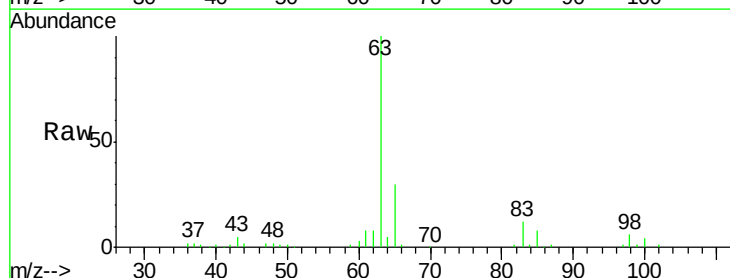
Tgt Ion: 63 Resp: 183908

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.5

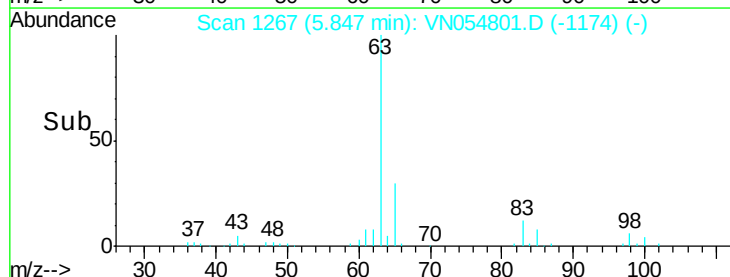
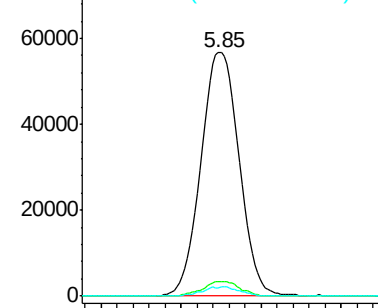
100 3.6 2.0 6.0

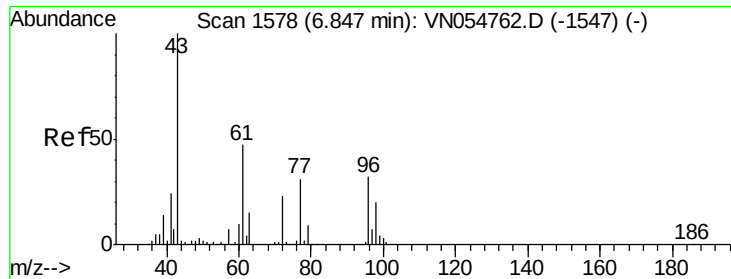


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 127.781 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0330MBS01

Tot Ion: 43 Resp: 249876

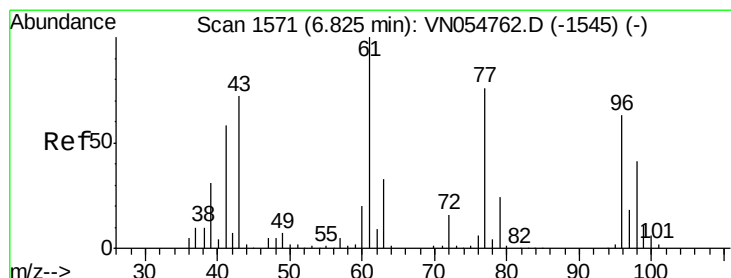
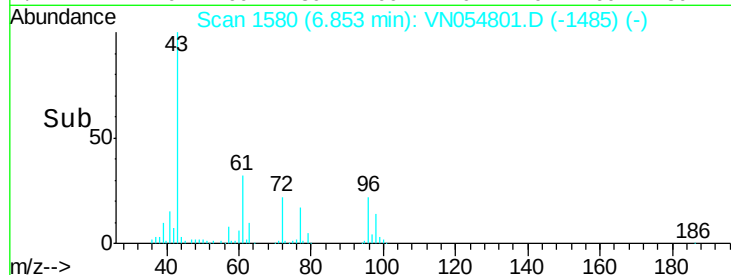
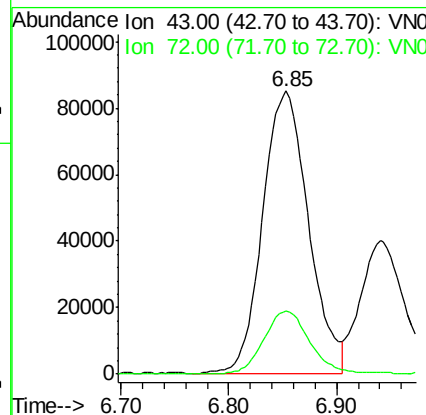
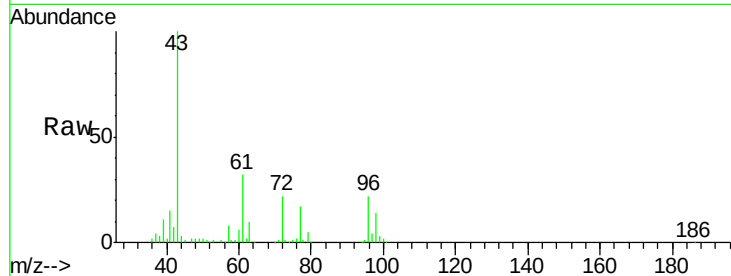
Ion Ratio Lower Upper

43 100

72 22.4 23.0 34.6#

Manual Integrations  
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4/1/2019 1:32:42 PM



#26

2,2-Dichloropropane

Concen: 18.853 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054801.D

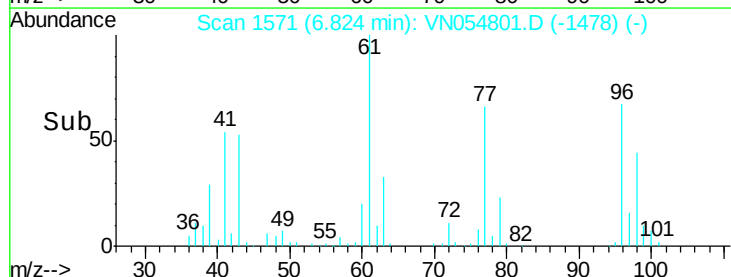
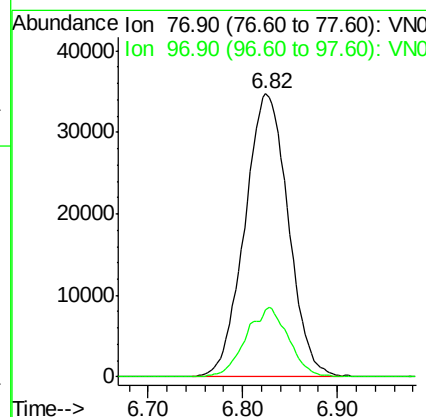
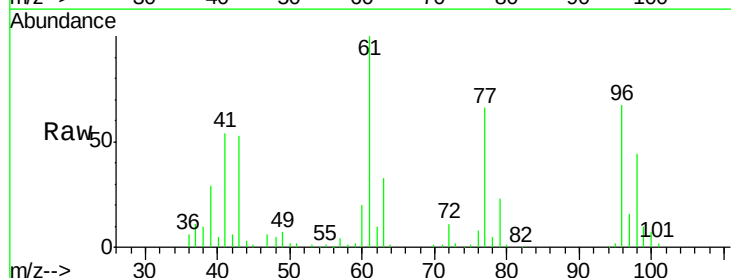
Acq: 30 Mar 2019 14:39

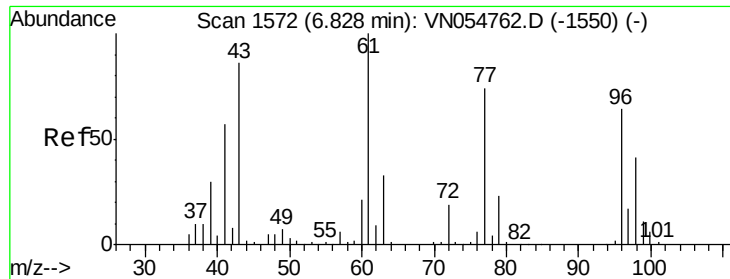
Tgt Ion: 77 Resp: 111087

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.809 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

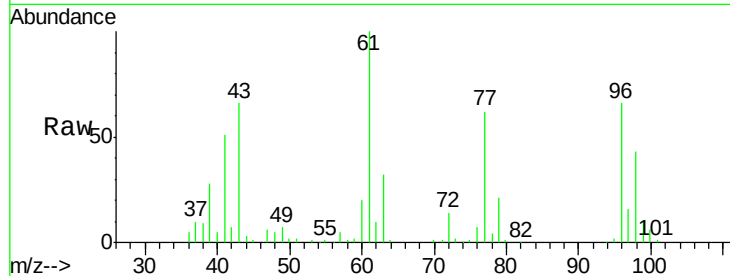
ClientSampleId :

VN0330MBS01

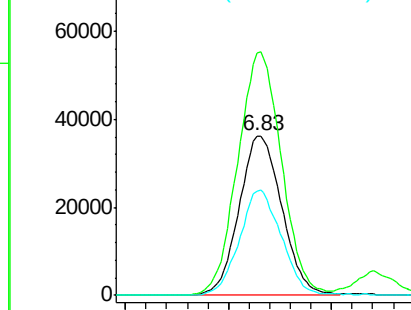
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 104681 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 155.4 | 0.0   | 273.0  |
| 98       | 64.6  | 0.0   | 130.6  |

Manual Integrations  
APPROVED

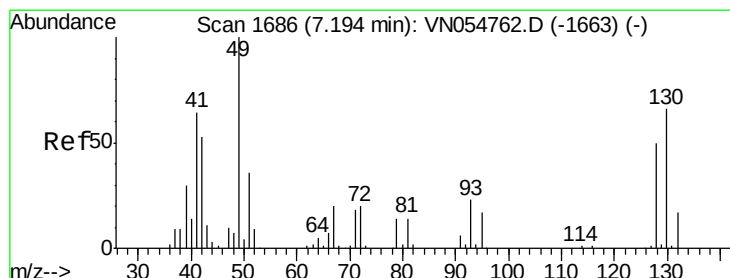
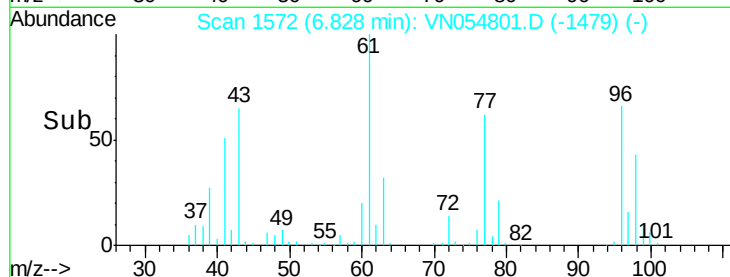
MMDadoda  
4/1/2019 1:32:42 PM



Abundance Ion 95.90 (95.60 to 96.60): VNO  
Ion 60.90 (60.60 to 61.60): VNO  
Ion 97.90 (97.60 to 98.60): VNO



Time-->



#28

Bromochloromethane

Concen: 23.995 ug/l

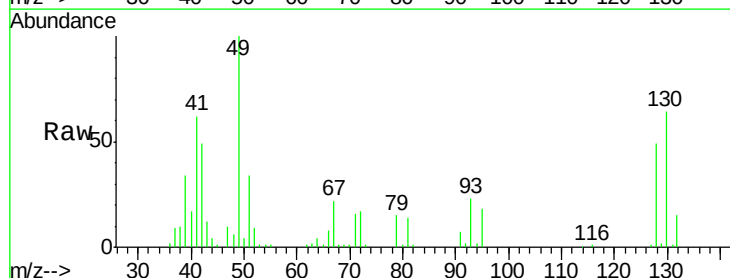
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

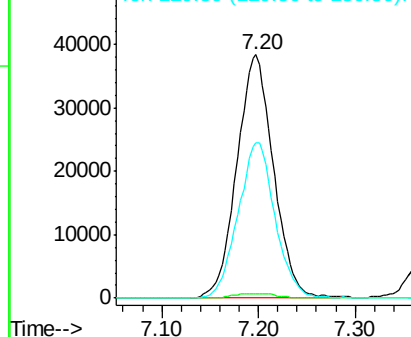
Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

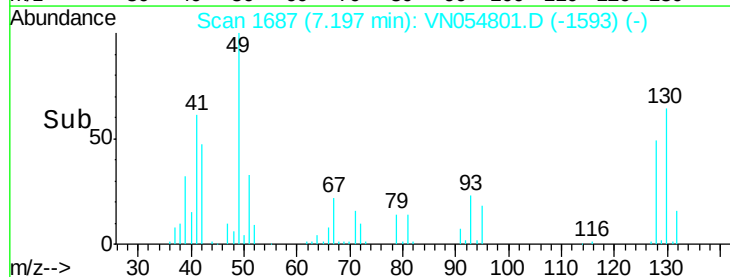
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 100867 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 1.1   | 0.0   | 4.6    |
| 130      | 64.5  | 76.7  | 115.1# |

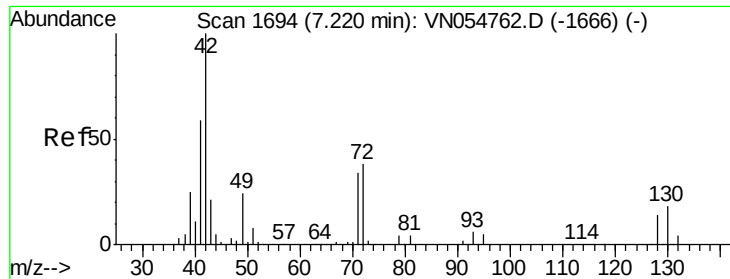


Abundance Ion 48.90 (48.60 to 49.60): VNO  
Ion 128.80 (128.50 to 129.50): VNO  
Ion 129.80 (129.50 to 130.50): VNO



Time-->





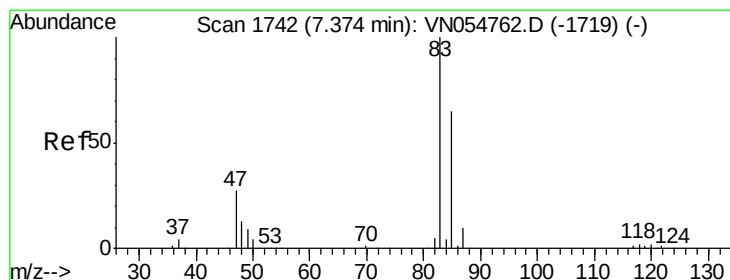
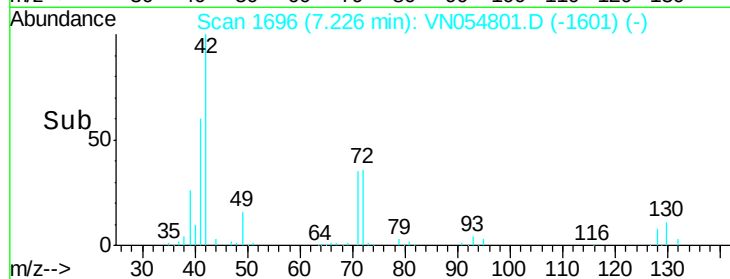
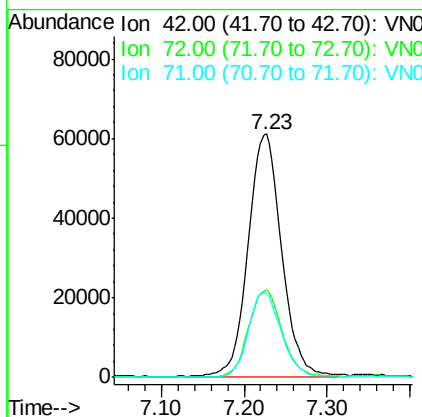
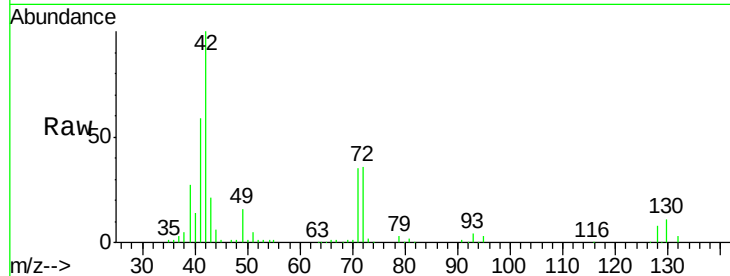
#29  
Tetrahydrofuran  
Concen: 125.322 ug/l  
RT: 7.23 min Scan# 1696  
Delta R.T. 0.01 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 36.4  | 37.8  | 56.6# |
| 71      | 34.7  | 36.2  | 54.2# |

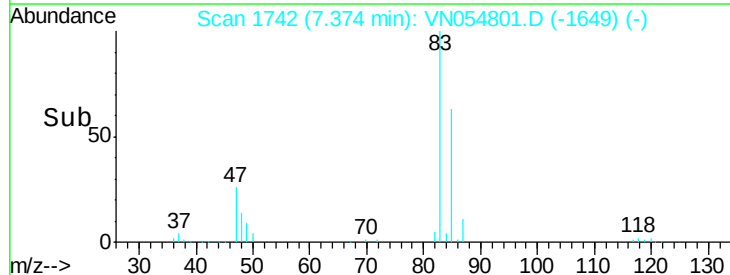
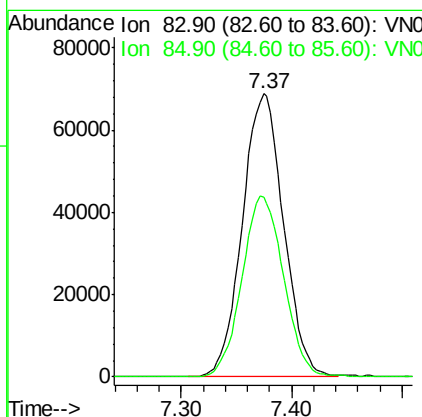
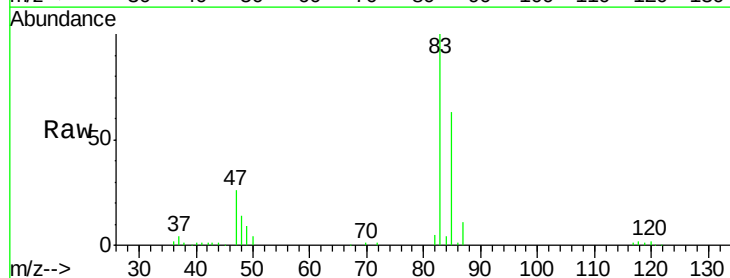
Manual Integrations  
APPROVED

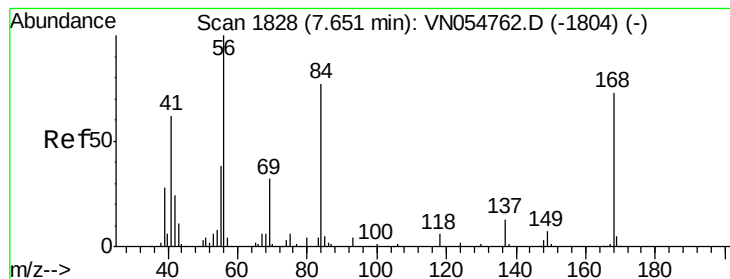
MMDadoda  
4/1/2019 1:32:42 PM



#30  
Chloroform  
Concen: 22.207 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.4  | 52.2  | 78.4  |





#31

Cyclohexane

Concen: 21.361 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

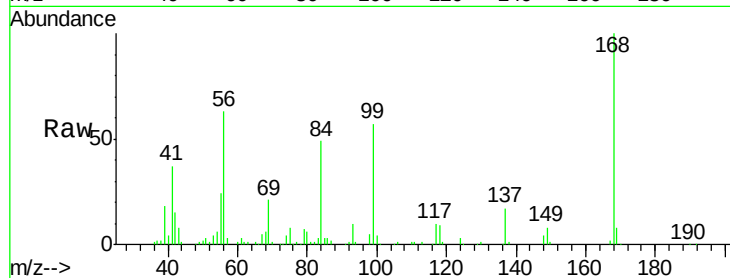
ClientSampled :

VN0330MBS01

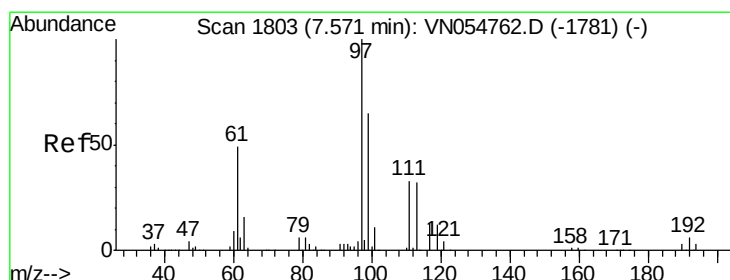
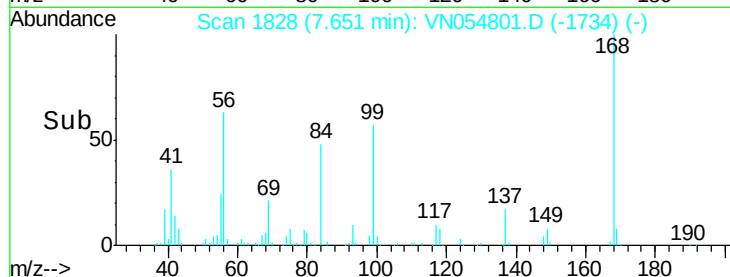
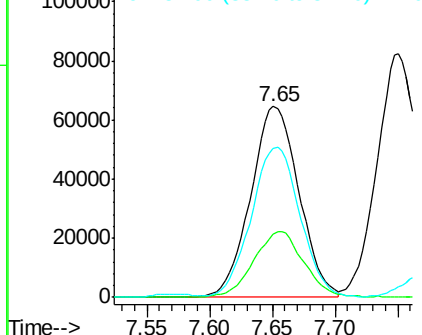
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 172661 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 32.9  | 27.8  | 41.6   |
| 84       | 77.0  | 74.6  | 111.8  |

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4/1/2019 1:32:42 PM



Abundance Ion 56.00 (55.70 to 56.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 21.931 ug/l

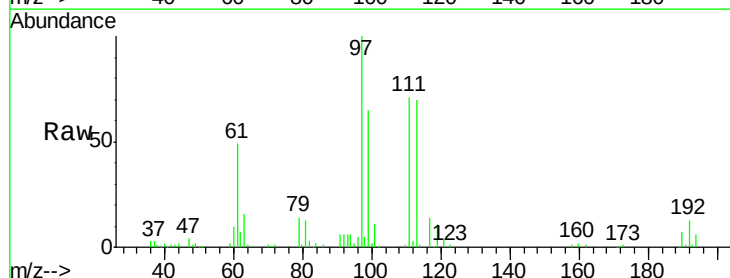
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

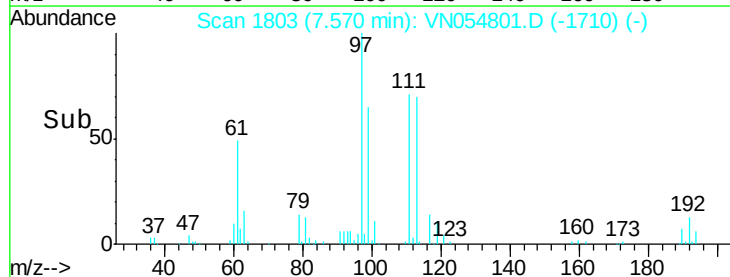
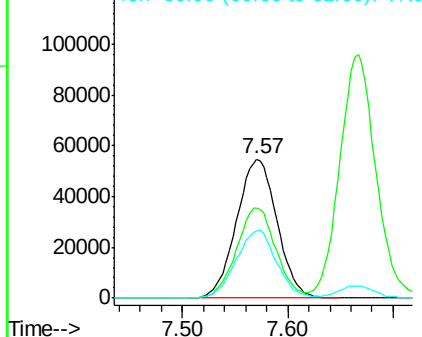
Lab File: VN054801.D

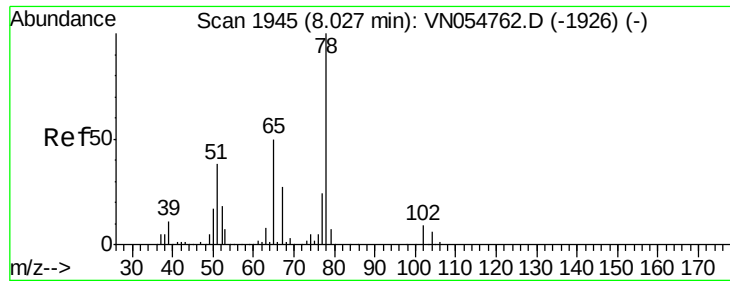
Acq: 30 Mar 2019 14:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 145689 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.2  | 51.5  | 77.3   |
| 61       | 48.8  | 33.6  | 50.4   |



Abundance Ion 96.90 (96.60 to 97.60): VNO  
Ion 98.90 (98.60 to 99.60): VNO  
Ion 60.90 (60.60 to 61.60): VNO





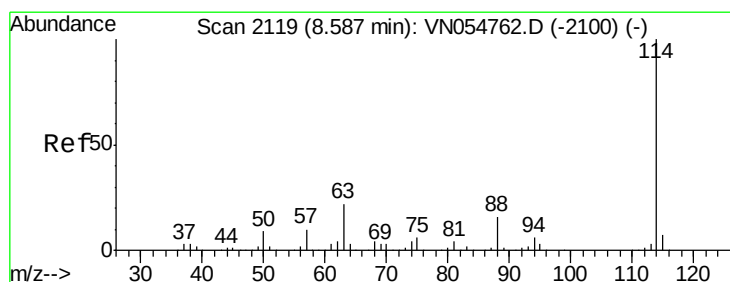
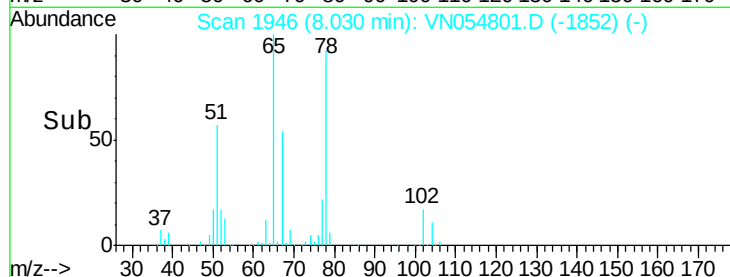
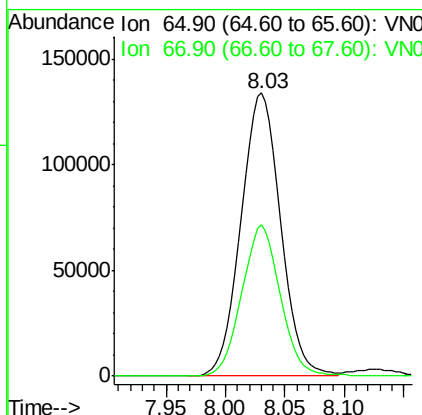
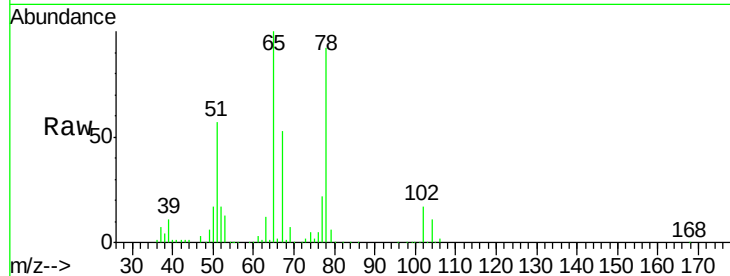
#33  
 1,2-Dichloroethane-d4  
 Concen: 55.728 ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN054801.D  
 Acq: 30 Mar 2019 14:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0330MBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 52.2  | 0.0  | 104.6 |       |

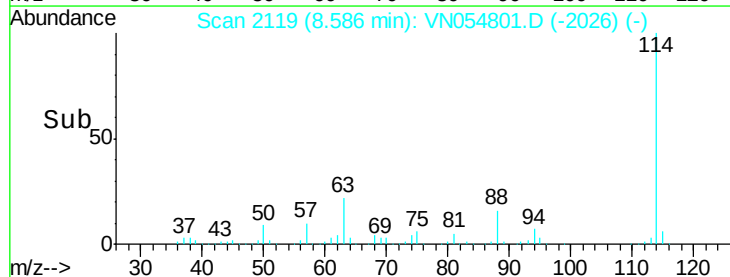
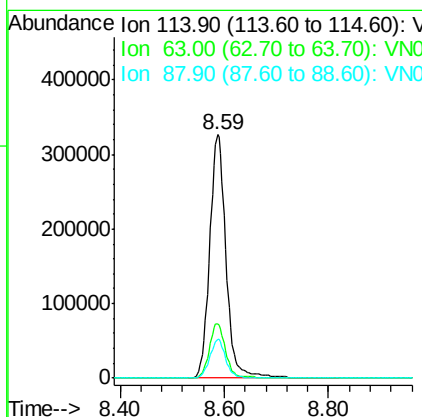
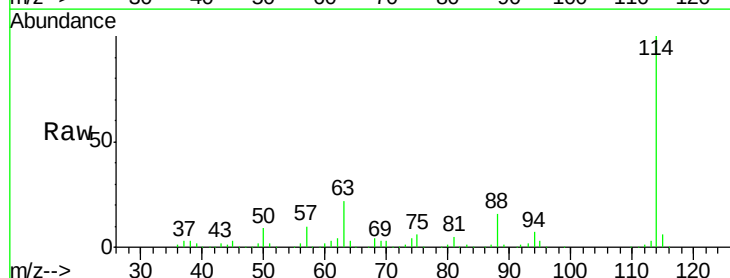
Manual Integrations  
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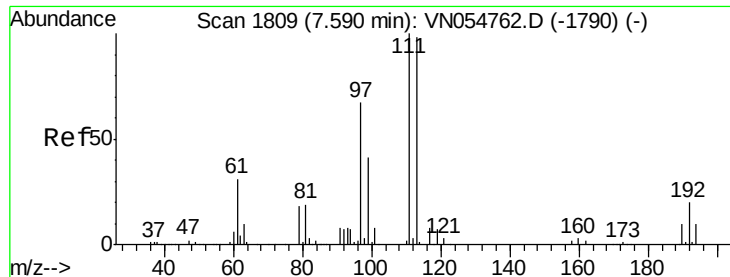
MMDadoda  
 4/1/2019 1:32:42 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN054801.D  
 Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 22.4  | 0.0  | 35.2  |       |
| 88      | 15.7  | 0.0  | 30.2  |       |





#35

Dibromofluoromethane

Concen: 49.506 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

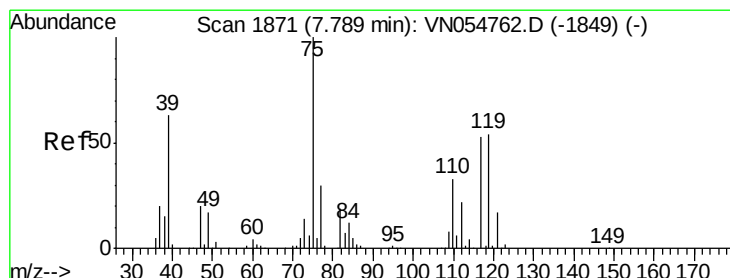
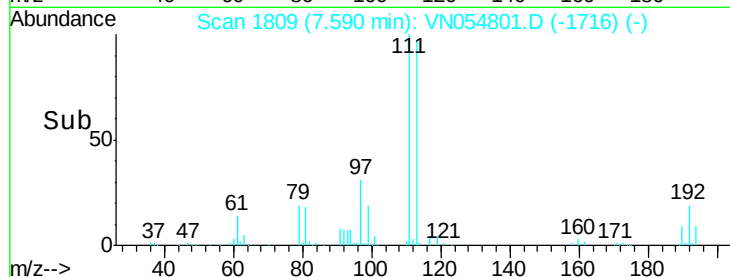
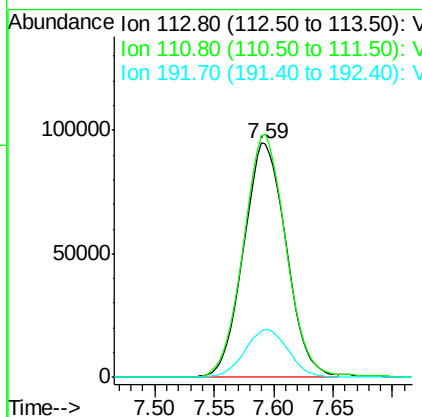
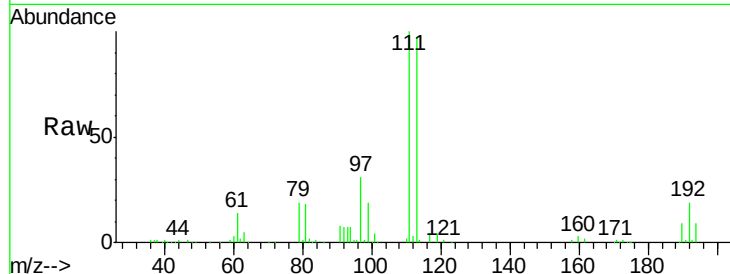
ClientSampled :

VN0330MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 235696 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 104.1 | 82.2  | 123.4  |
| 192       | 20.8  | 19.2  | 28.8   |

Manual Integrations  
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4/1/2019 1:32:42 PM



#36

1,1-Dichloropropene

Concen: 19.457 ug/l

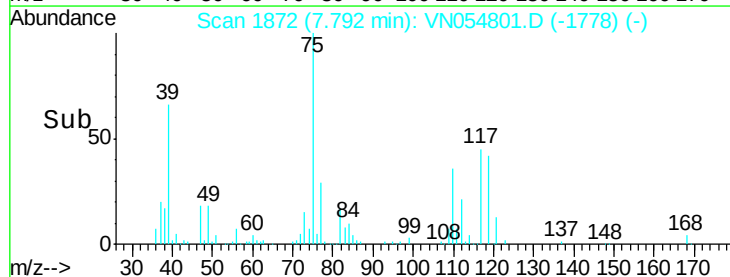
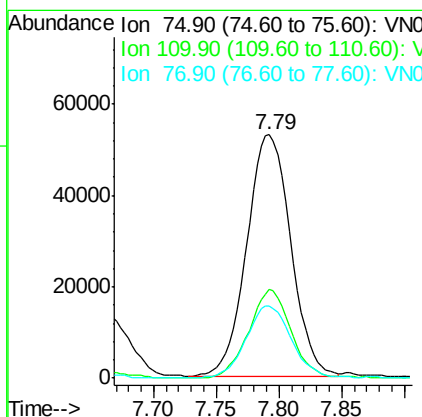
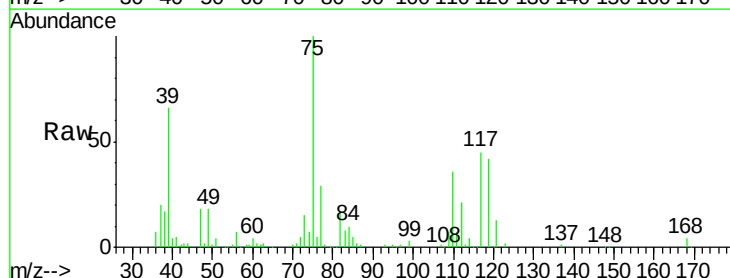
RT: 7.79 min Scan# 1872

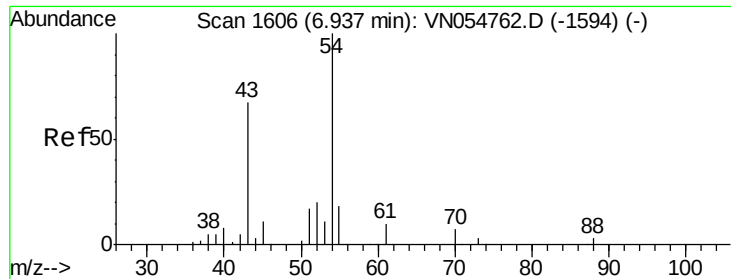
Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 129469 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 34.9  | 19.1  | 57.5   |
| 77        | 31.0  | 25.0  | 37.4   |





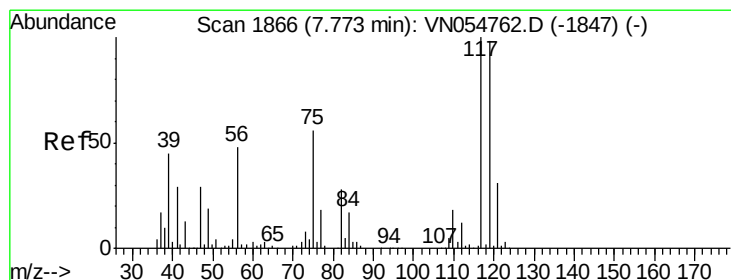
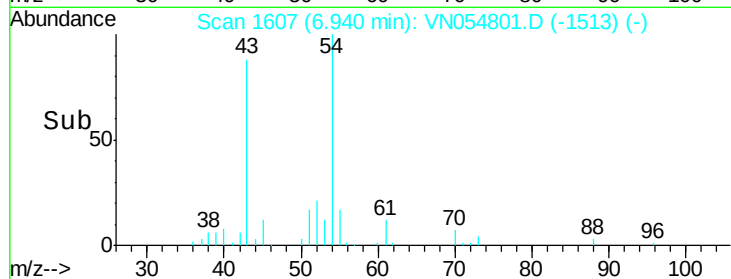
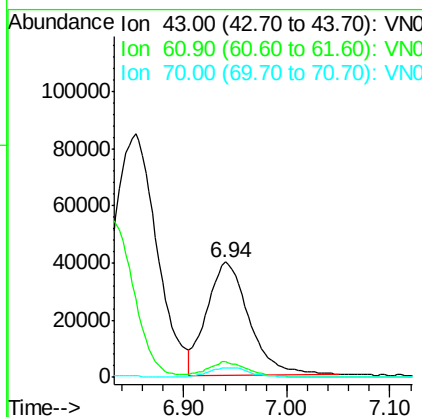
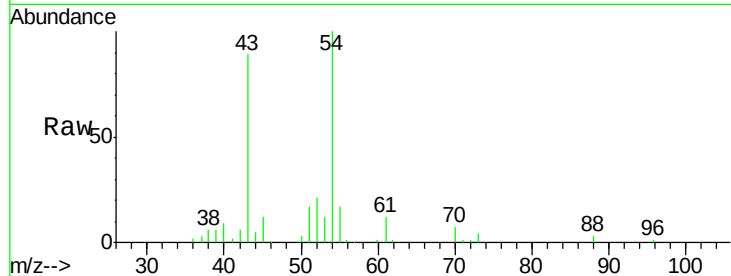
#37  
Ethyl Acetate  
Concen: 23.230 ug/l  
RT: 6.94 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.6  | 11.8  | 17.6  |
| 70      | 8.6   | 8.4   | 12.6  |

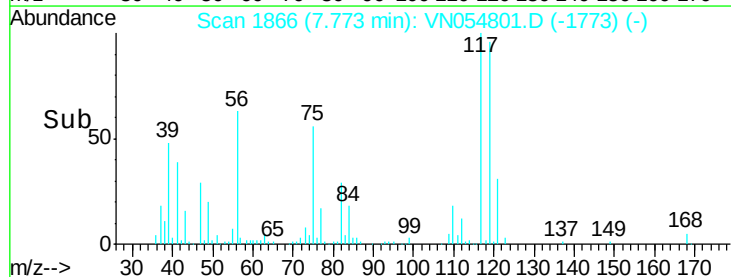
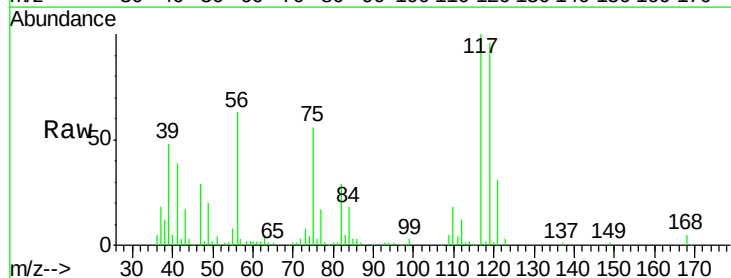
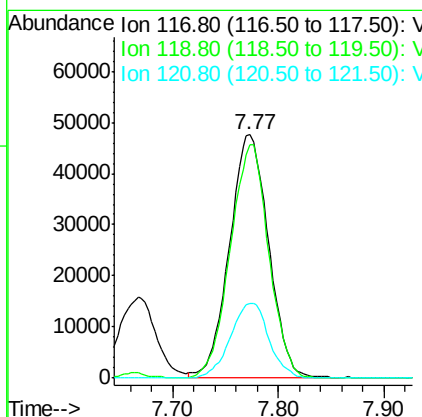
Manual Integrations  
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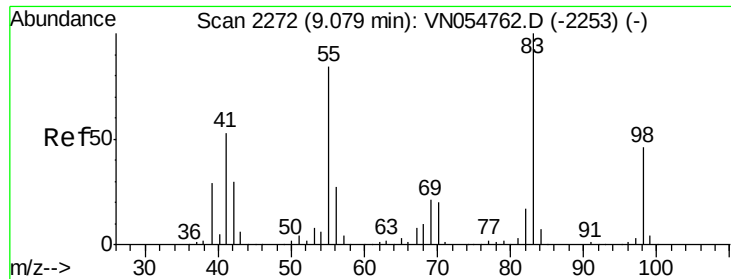


#38  
Carbon Tetrachloride  
Concen: 18.977 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.8  | 76.3  | 114.5 |
| 121     | 30.6  | 24.6  | 36.8  |







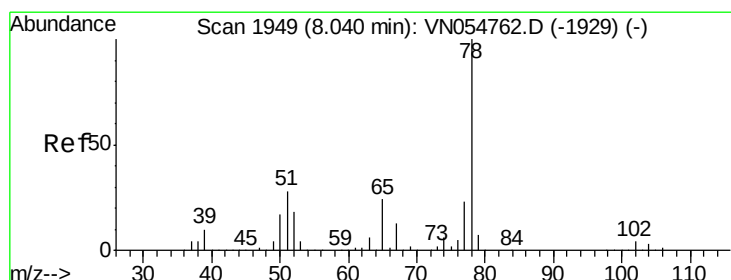
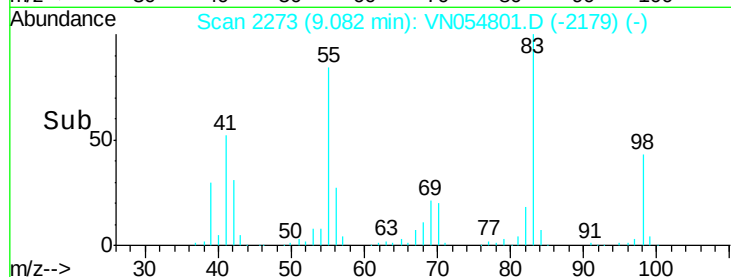
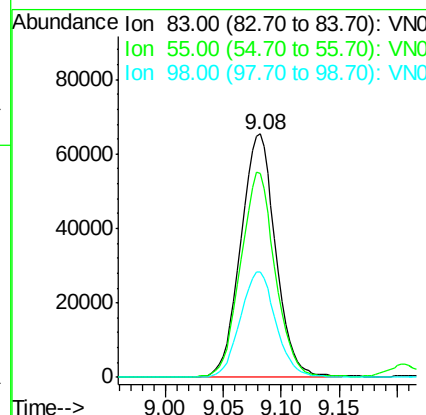
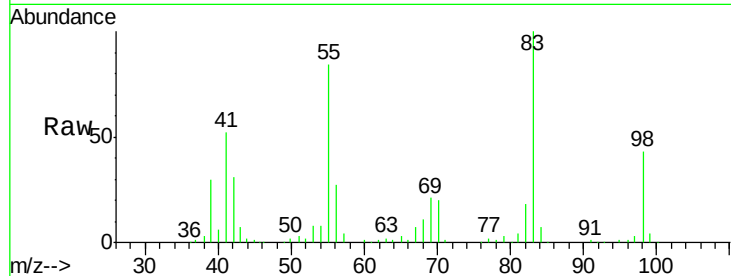
#39  
Methylvlcyclohexane  
Concen: 18.751 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

| Tot Ion   | 83    | Resp  | 137177 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 83.8  | 56.6  | 84.8   |
| 98        | 43.3  | 38.4  | 57.6   |

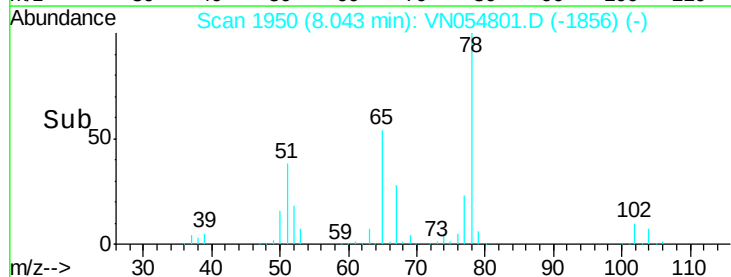
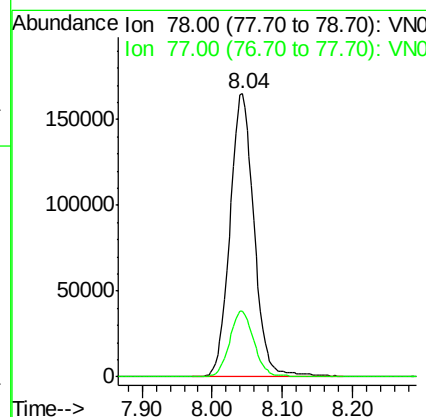
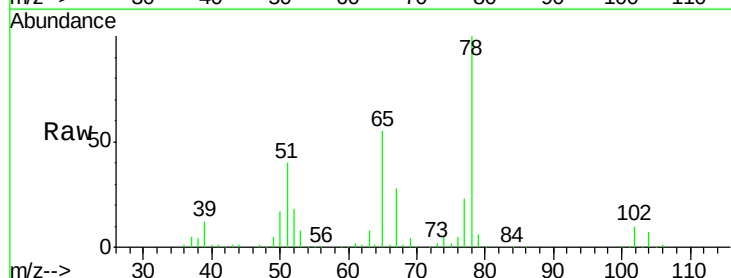
Manual Integrations  
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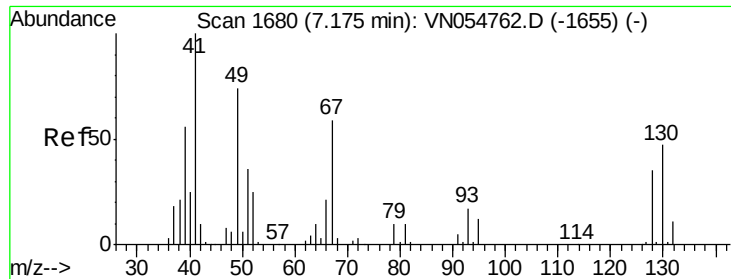
MMDadoda  
4/1/2019 1:32:42 PM



#40  
Benzene  
Concen: 20.758 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

| Tgt Ion   | 78    | Resp  | 395228 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.2  | 19.1  | 28.7   |





#41

Methacrylonitrile

Concen: 24.491 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

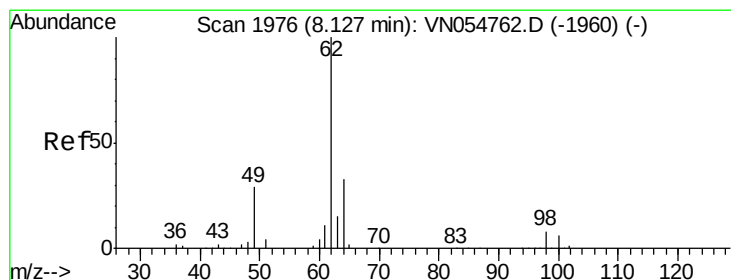
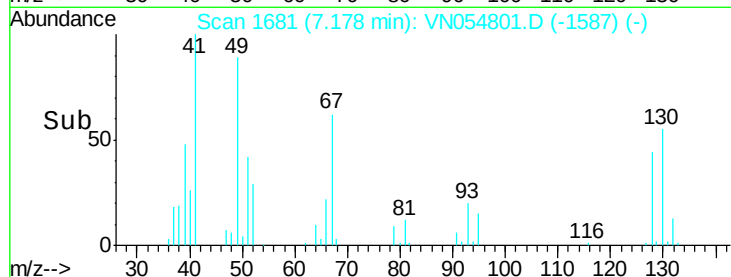
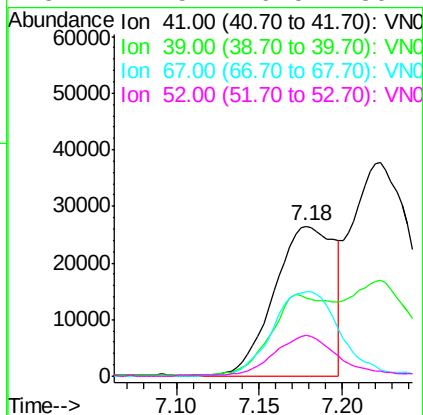
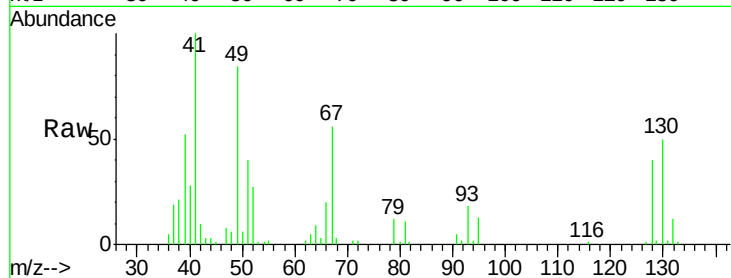
ClientSampleId :

VN0330MBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 54.1 | 46.8  | 70.2  |       |
| 67      | 63.8 | 67.0  | 100.4 |       |
| 52      | 27.5 | 26.5  | 39.7  |       |

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#42

1,2-Dichloroethane

Concen: 21.095 ug/l

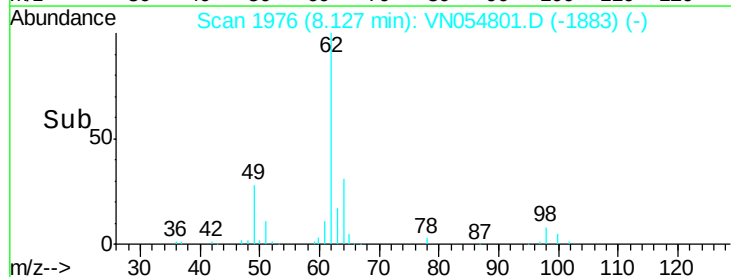
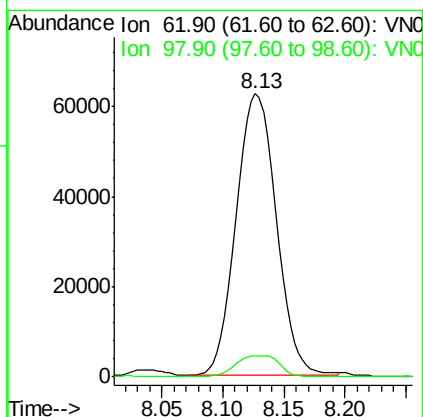
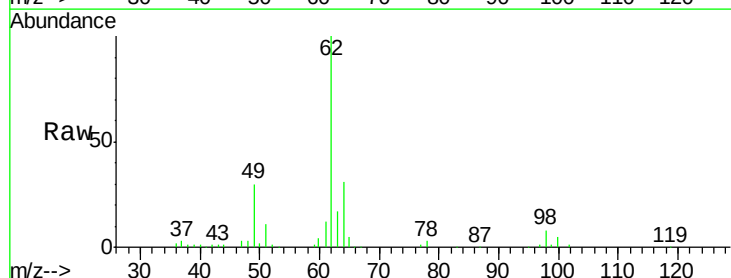
RT: 8.13 min Scan# 1976

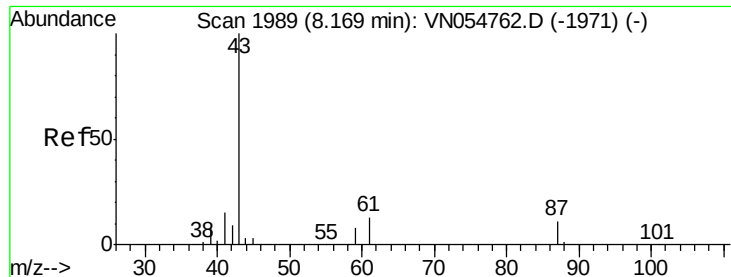
Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.3 | 0.0   | 18.4  |       |





#43

Isopropyl Acetate

Concen: 23.091 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

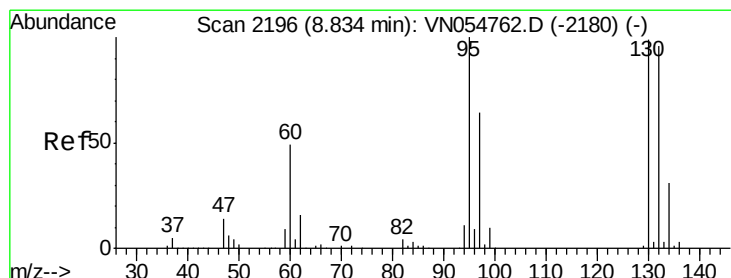
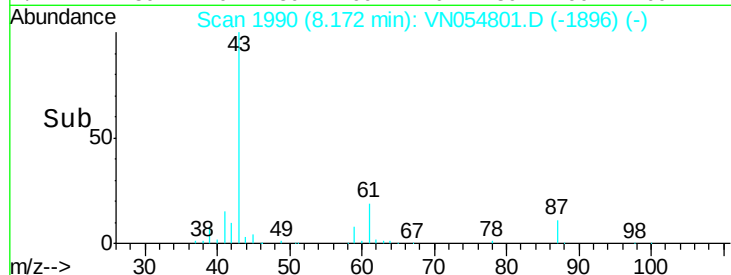
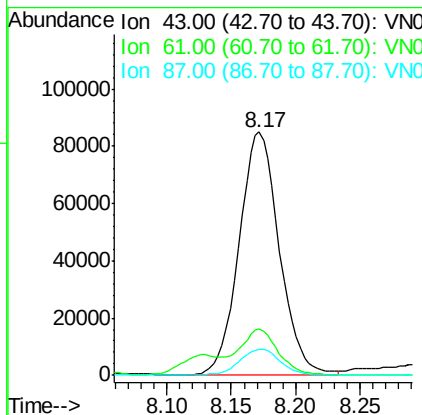
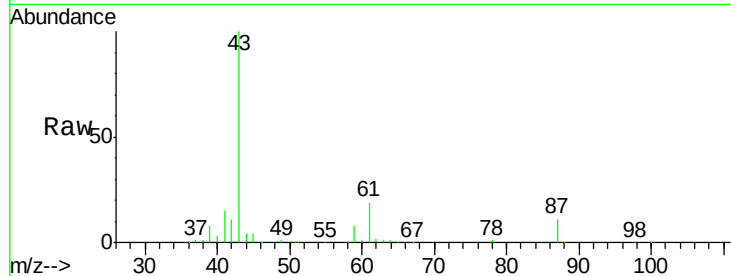
ClientSampleId :

VN0330MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 183082 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 17.8  | 15.8  | 23.8   |
| 87        | 11.0  | 12.0  | 18.0#  |

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#44

Trichloroethene

Concen: 20.001 ug/l

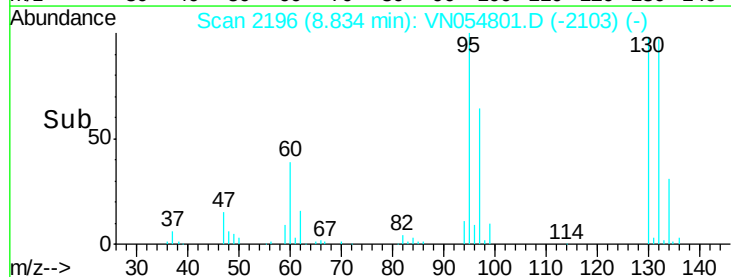
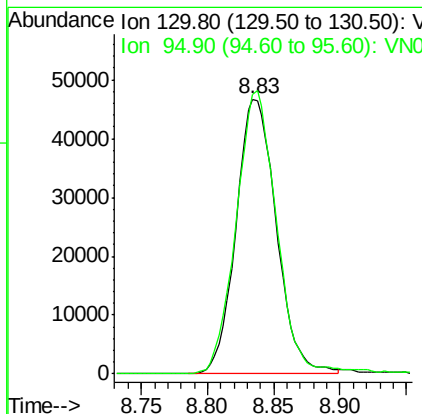
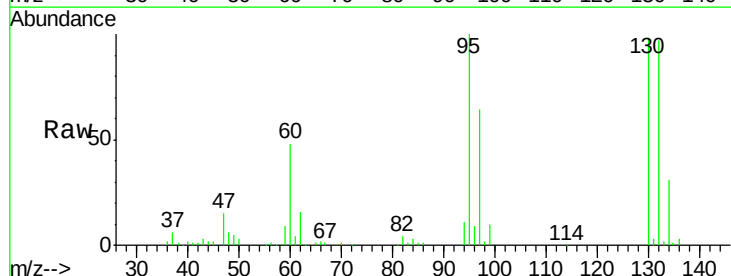
RT: 8.83 min Scan# 2196

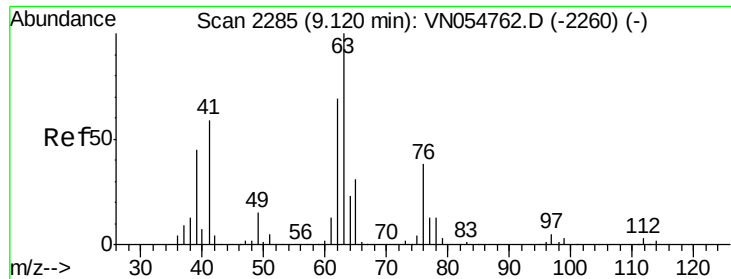
Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 130   | Resp: | 98855 |
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 101.7 | 0.0   | 185.2 |





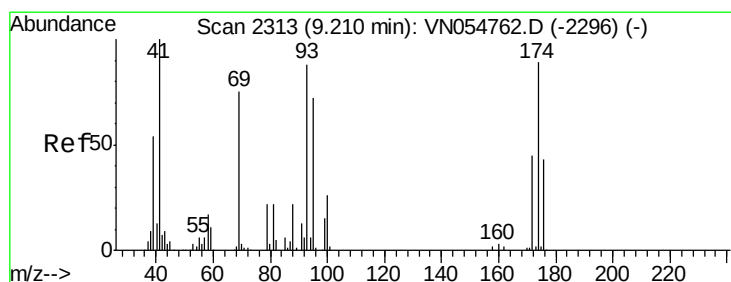
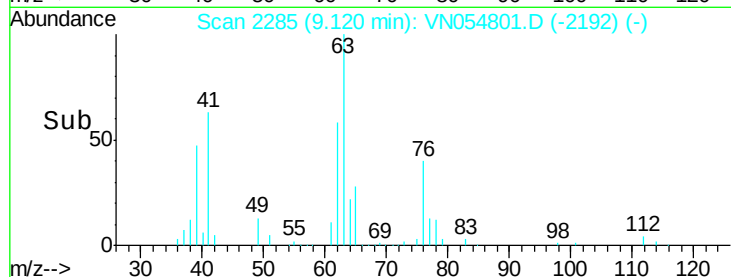
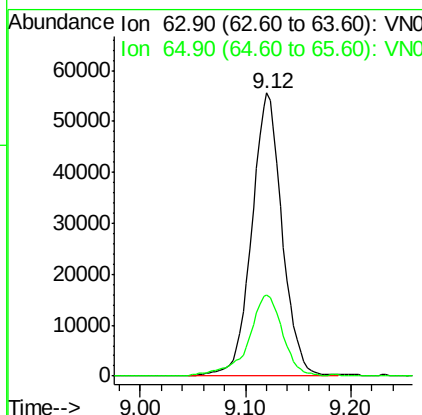
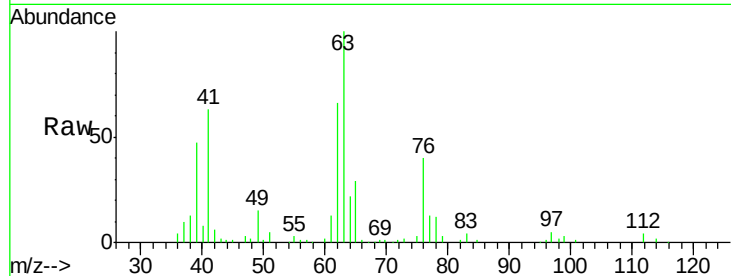
#45  
 1,2-Dichloropropane  
 Concen: 20.582 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. -0.00 min  
 Lab File: VN054801.D  
 Acq: 30 Mar 2019 14:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0330MBS01

Tot Ion: 63 Resp: 111740  
 Ion Ratio Lower Upper  
 63 100  
 65 28.5 25.0 37.6

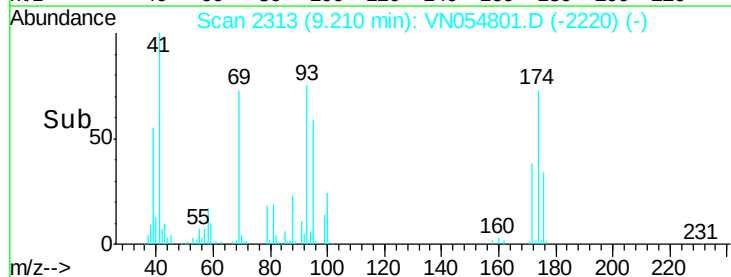
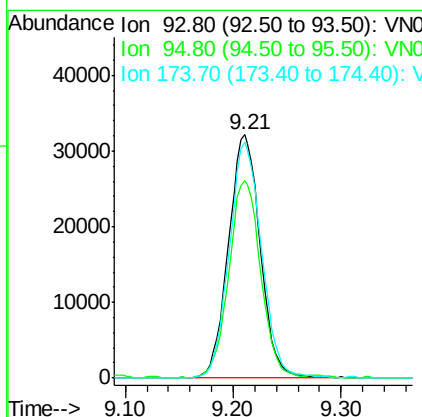
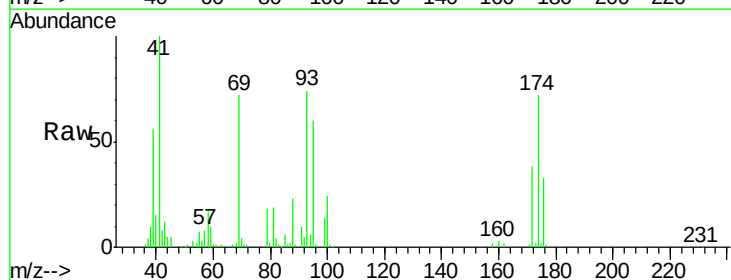
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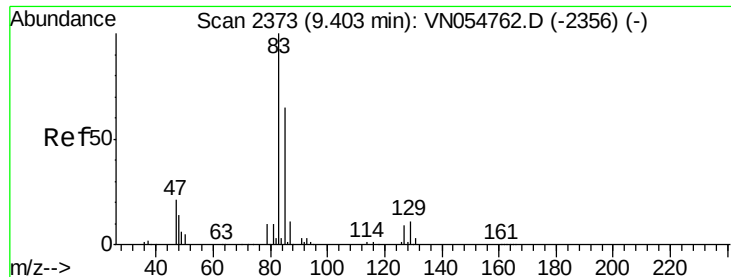
MMDadoda  
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#46  
 Dibromomethane  
 Concen: 21.614 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. -0.00 min  
 Lab File: VN054801.D  
 Acq: 30 Mar 2019 14:39

Tgt Ion: 93 Resp: 66011  
 Ion Ratio Lower Upper  
 93 100  
 95 81.3 66.7 100.1  
 174 98.7 98.5 147.7





#47

Bromodichloromethane

Concen: 20.343 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

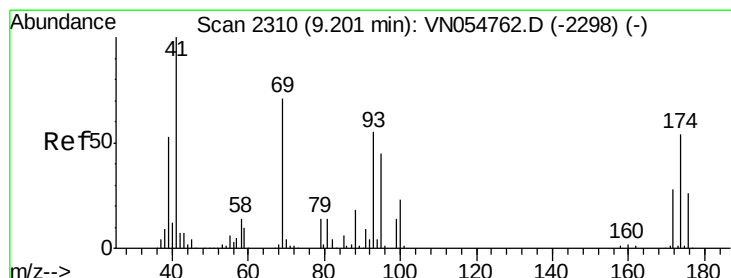
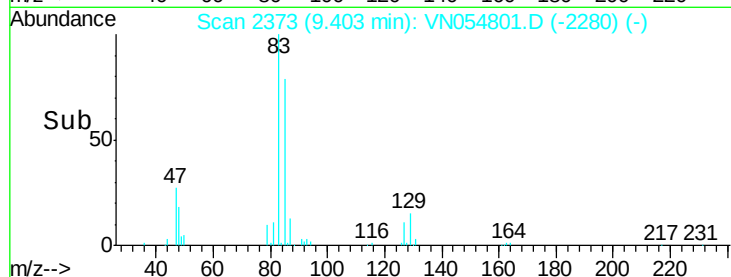
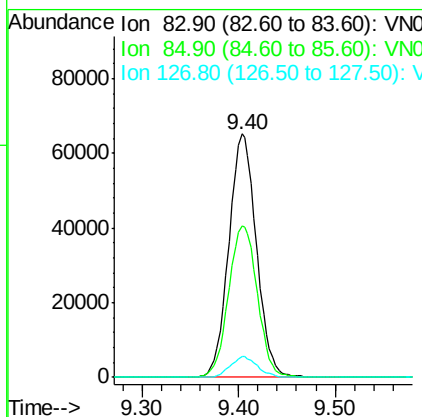
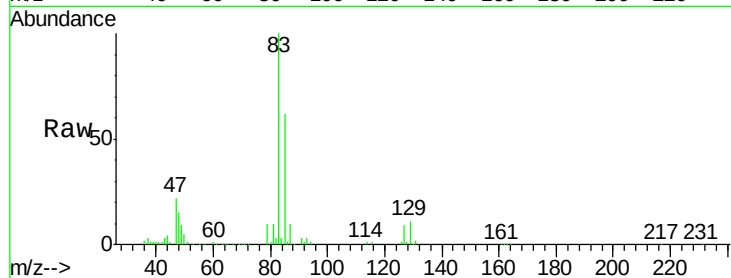
ClientSampleId :

VN0330MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 129122 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 62.1  | 52.8  | 79.2   |
| 127      | 8.6   | 7.4   | 11.2   |

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#48

Methyl methacrylate

Concen: 21.959 ug/l

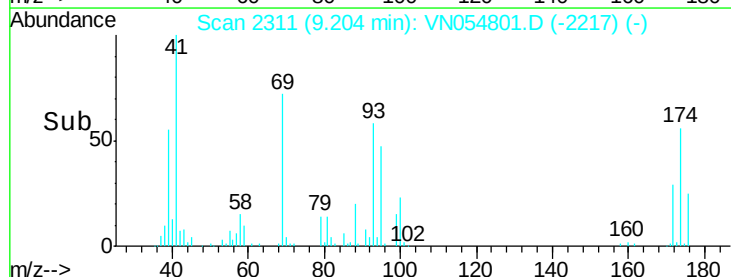
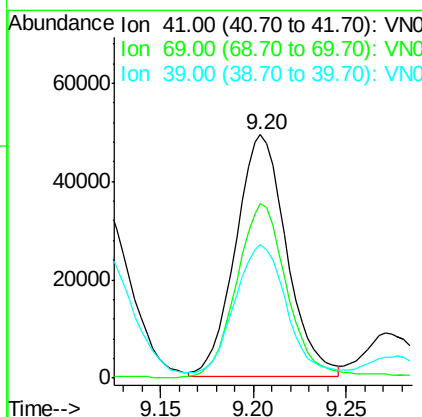
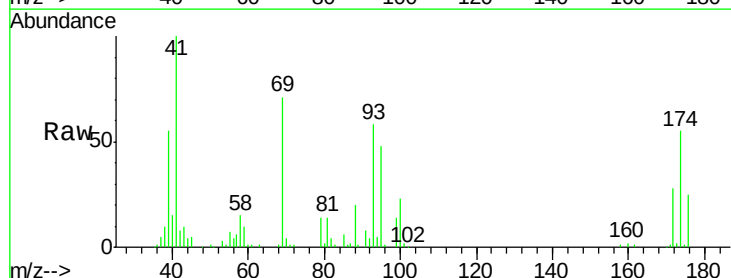
RT: 9.20 min Scan# 2311

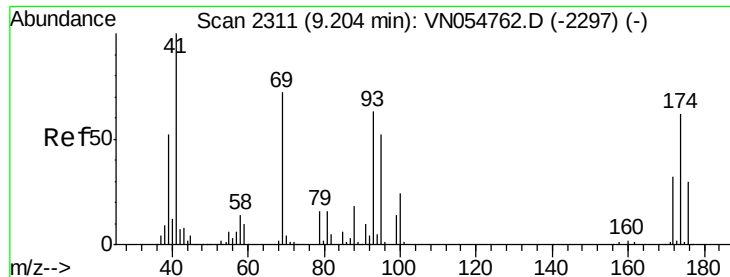
Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 94381 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 72.6  | 72.6  | 108.8 |
| 39       | 56.0  | 47.5  | 71.3  |





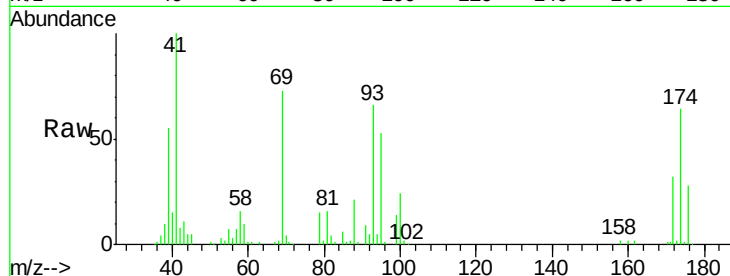
#49  
1,4-Dioxane  
Concen: 512.664 ug/l  
RT: 9.21 min Scan# 2312  
Delta R.T. 0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0330MBS01

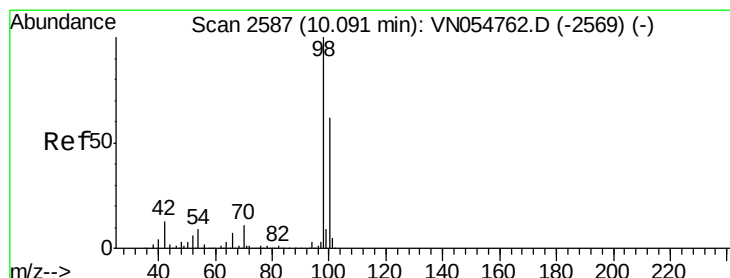
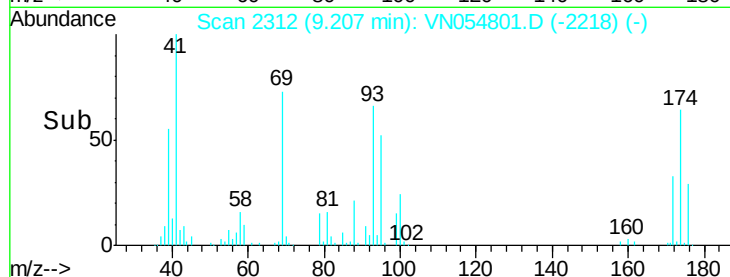
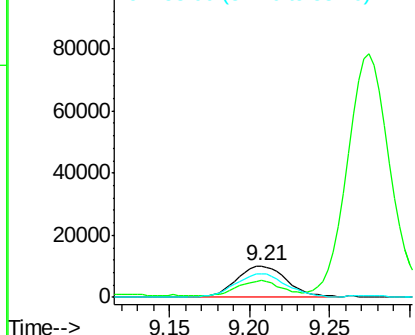
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 41.2  | 24.1  | 36.1# |
| 58      | 75.5  | 50.8  | 76.2  |

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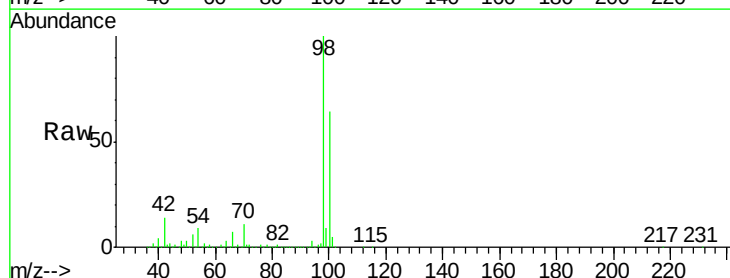


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

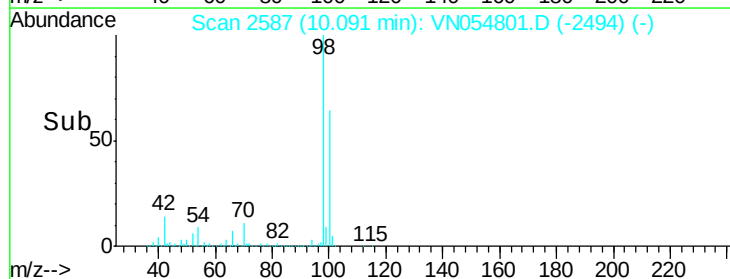
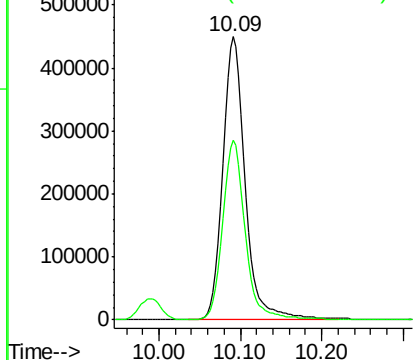


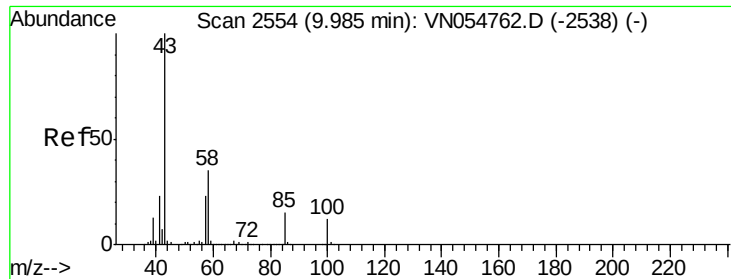
#50  
Toluene-d8  
Concen: 49.551 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.8  | 51.2  | 76.8  |



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0





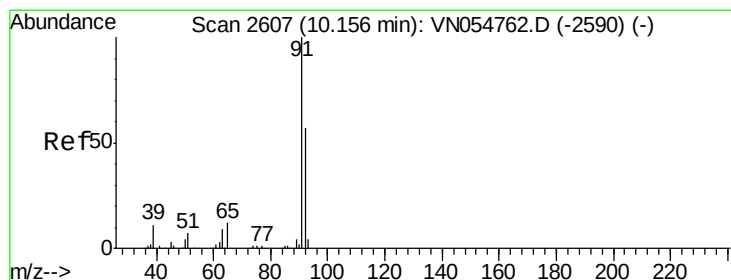
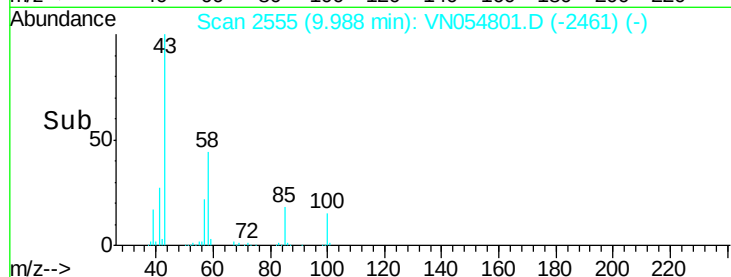
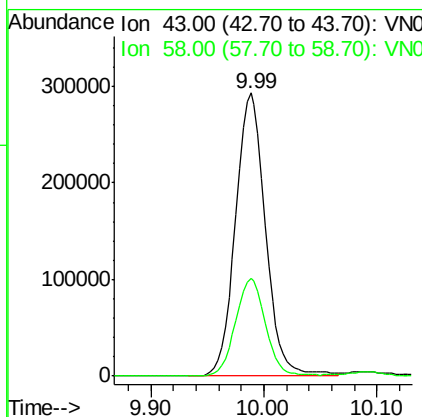
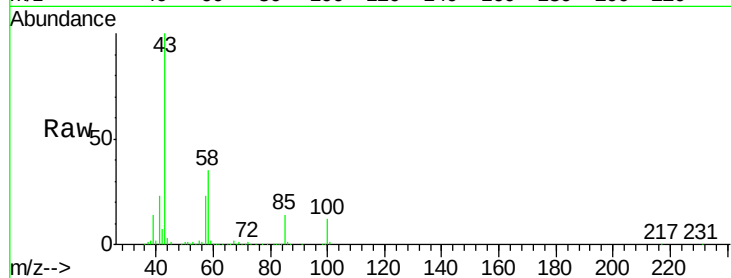
#51  
4-Methyl-2-Pentanone  
Concen: 120.680 ug/l  
RT: 9.99 min Scan# 2555  
Delta R.T. 0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 34.8  | 31.8  | 47.6  |

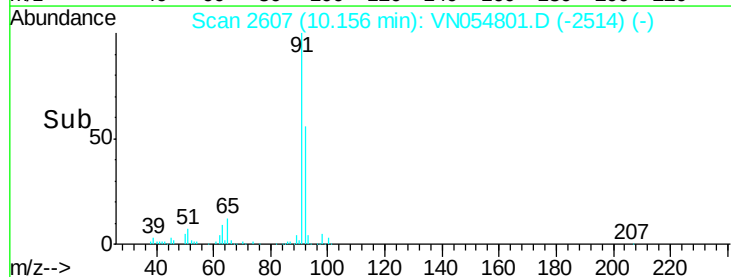
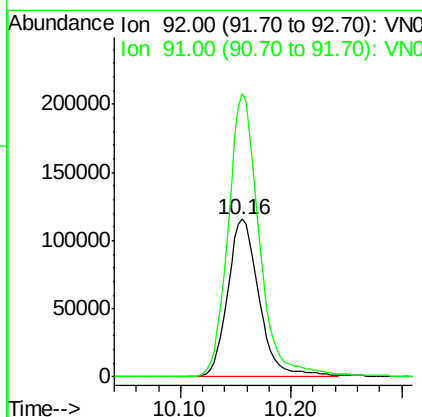
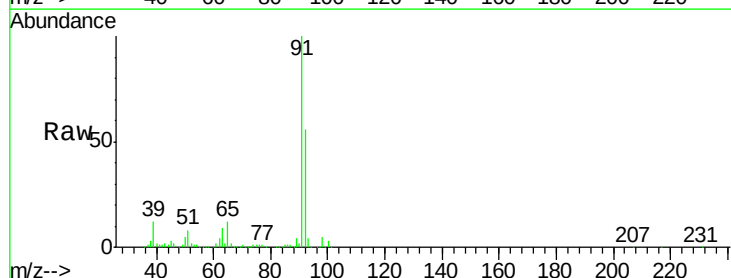
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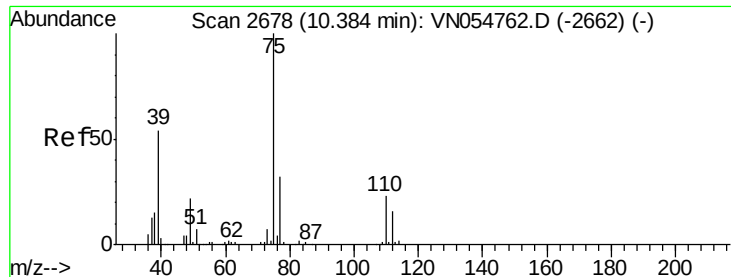
MMDadoda  
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#52  
Toluene  
Concen: 20.231 ug/l  
RT: 10.16 min Scan# 2607  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 178.7 | 140.7 | 211.1 |





#53

t-1,3-Dichloropropene

Concen: 19.672 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0330MBS01

Tot Ion: 75 Resp: 117457

Ion Ratio Lower Upper

75 100

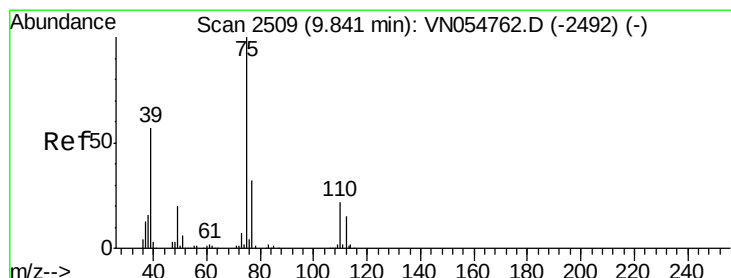
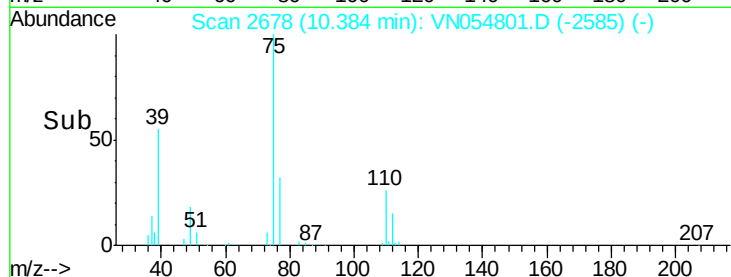
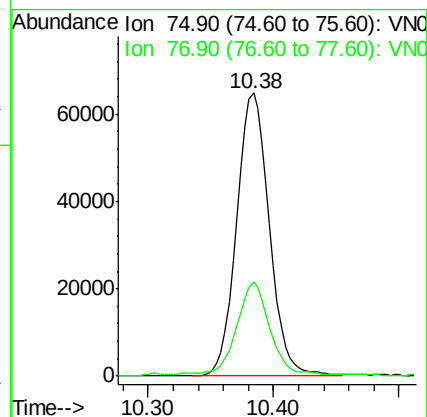
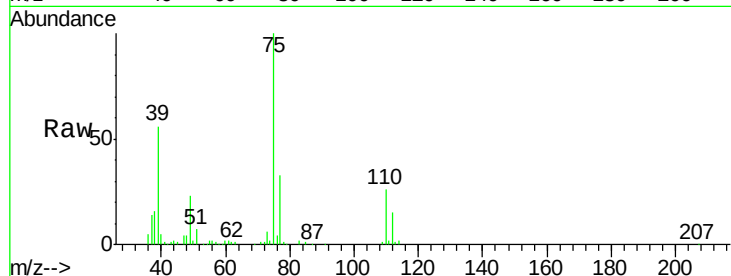
77 32.5 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.462 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

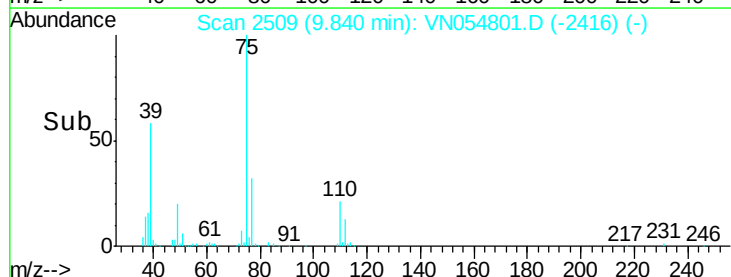
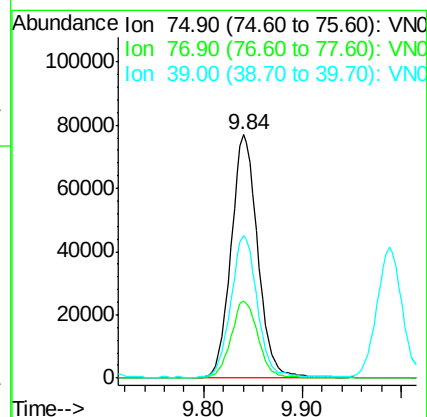
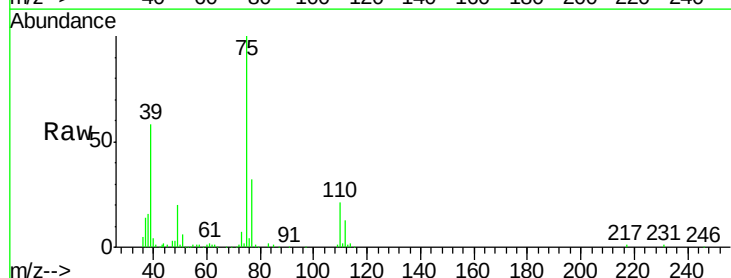
Tgt Ion: 75 Resp: 145939

Ion Ratio Lower Upper

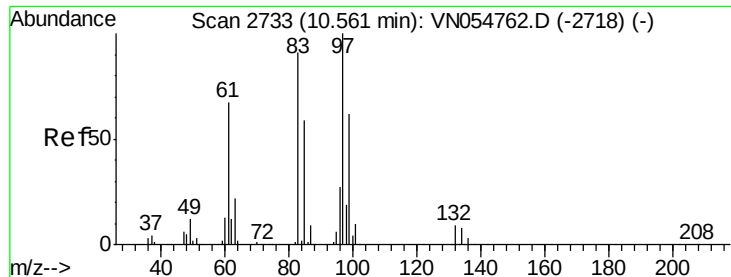
75 100

77 31.8 25.4 38.0

39 58.0 37.2 55.8#







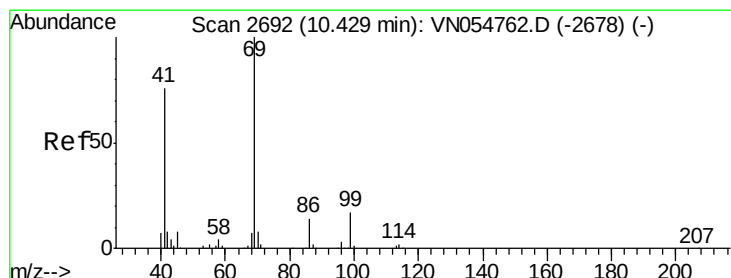
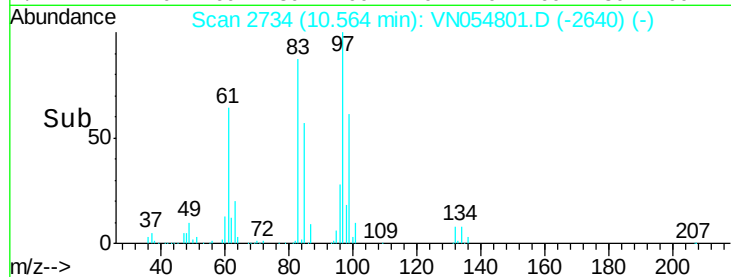
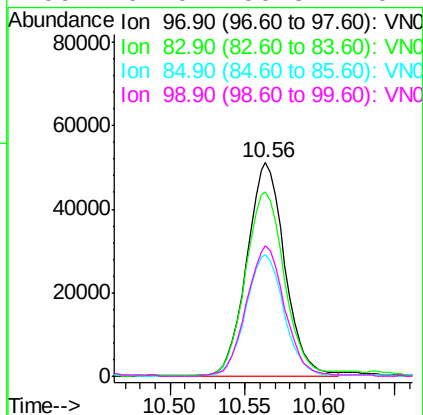
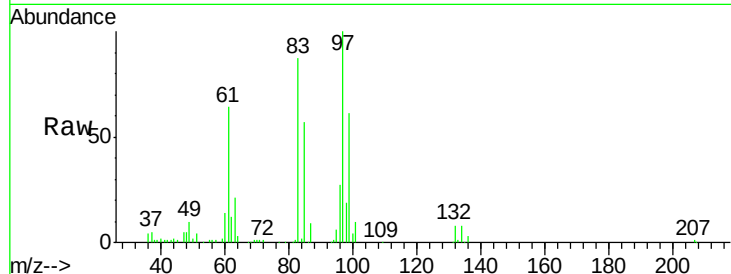
#55  
 1,1,2-Trichloroethane  
 Concen: 21.427 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN054801.D  
 Acq: 30 Mar 2019 14:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0330MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 85.8  | 66.6  | 100.0 |
| 85      | 56.9  | 44.4  | 66.6  |
| 99      | 61.0  | 50.8  | 76.2  |

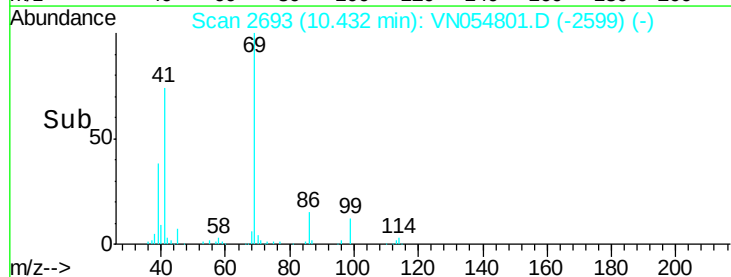
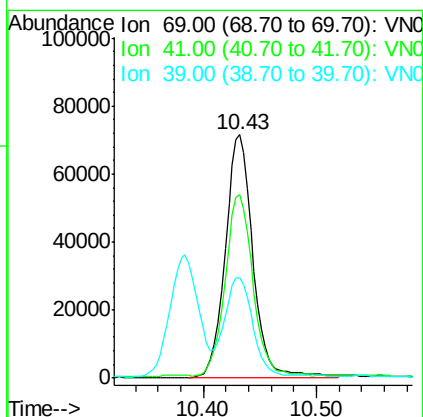
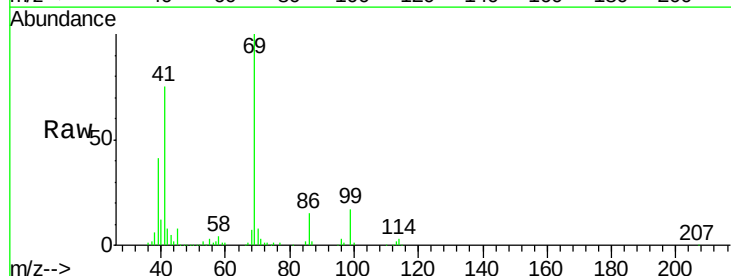
Manual Integrations  
 APPROVED

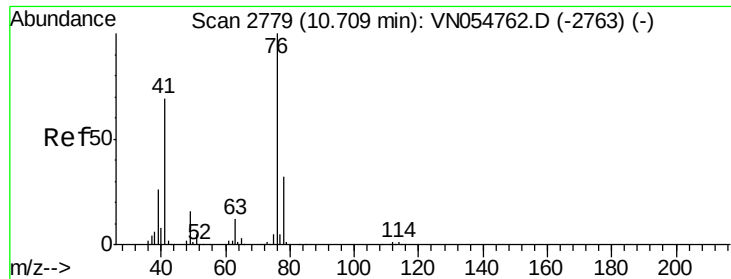
MMDadoda  
 4/1/2019 1:32:42 PM



#56  
 Ethyl methacrylate  
 Concen: 21.821 ug/l  
 RT: 10.43 min Scan# 2693  
 Delta R.T. 0.00 min  
 Lab File: VN054801.D  
 Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 75.1  | 49.4  | 74.2# |
| 39      | 42.5  | 28.3  | 42.5# |





#57

1,3-Dichloropropane

Concen: 21.285 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0330MBS01

Tot Ion: 76 Resp: 154161

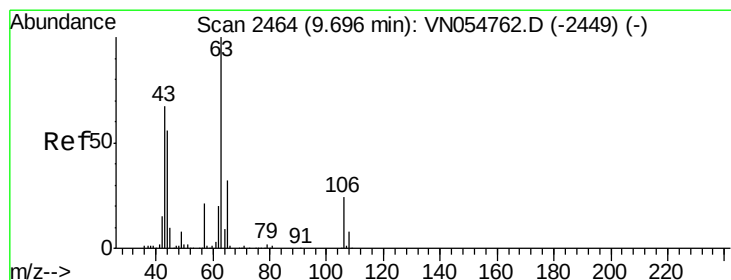
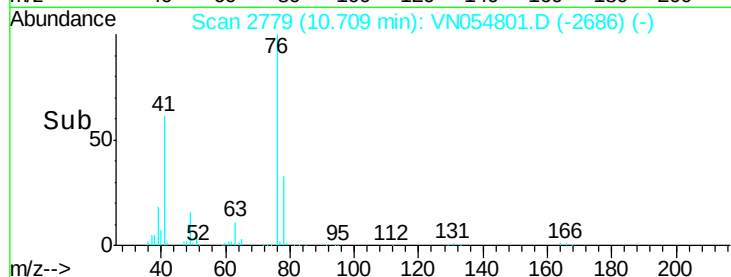
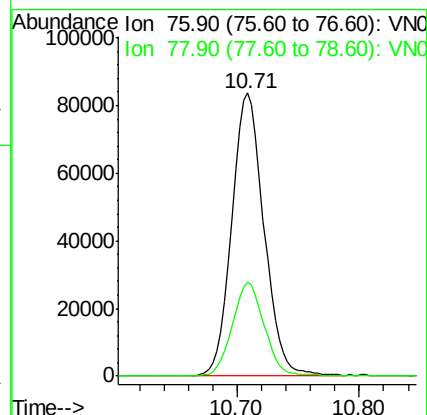
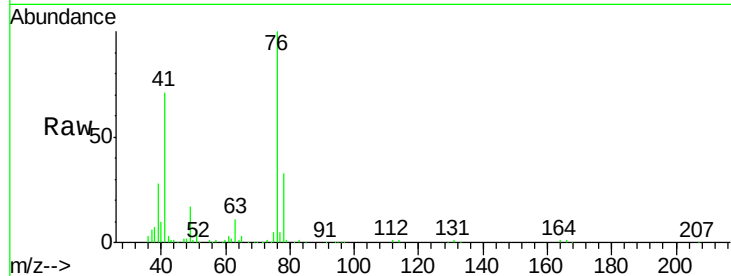
Ion Ratio Lower Upper

76 100

78 33.1 25.7 38.5

Manual Integrations  
APPROVED

MMDadoda  
4/1/2019 1:32:42 PM



#58

2-Chloroethyl Vinyl ether

Concen: 105.049 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054801.D

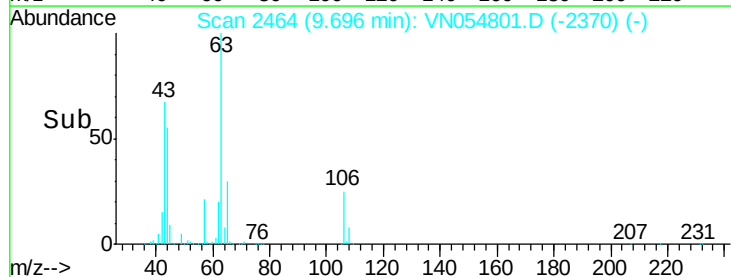
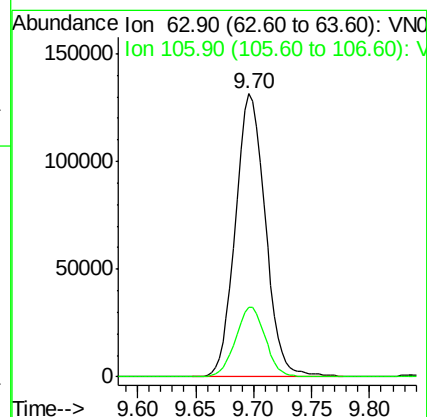
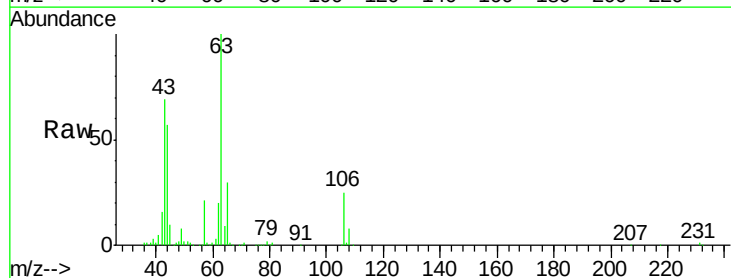
Acq: 30 Mar 2019 14:39

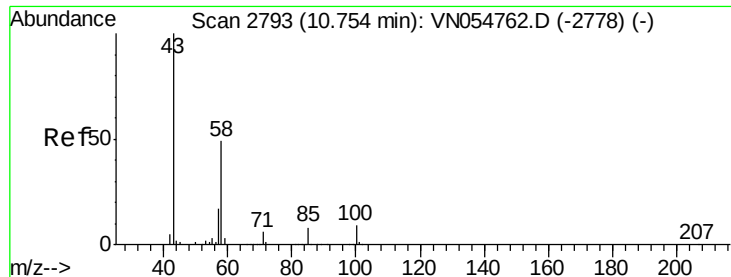
Tgt Ion: 63 Resp: 235161

Ion Ratio Lower Upper

63 100

106 24.4 24.4 36.6





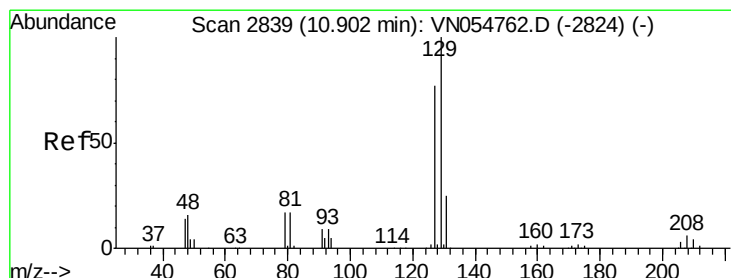
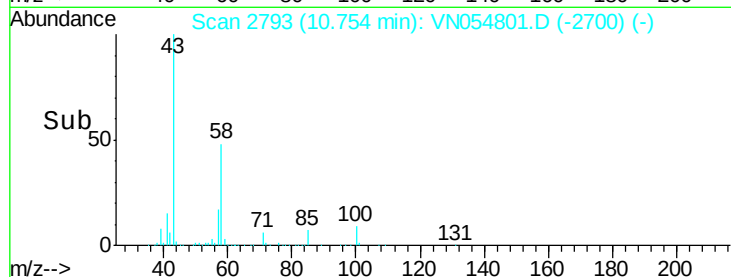
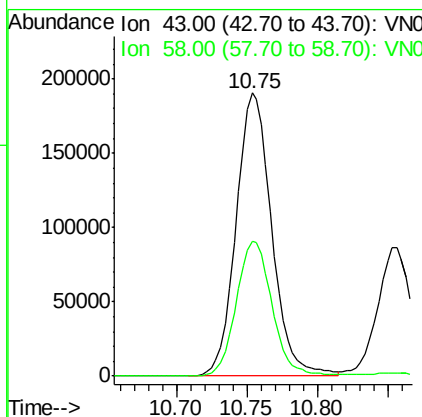
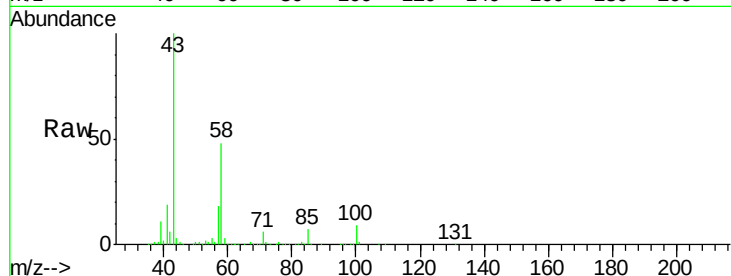
#59  
2-Hexanone  
Concen: 117.013 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

Tot Ion: 43 Resp: 333919  
Ion Ratio Lower Upper  
43 100  
58 48.5 28.0 83.9

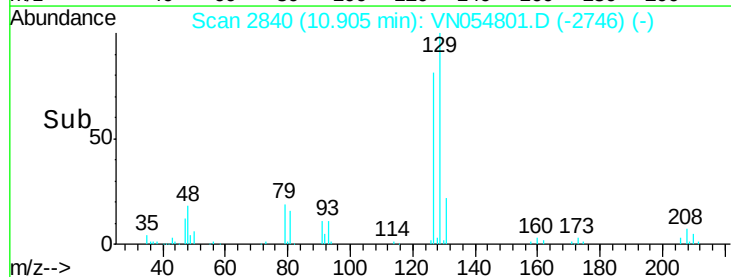
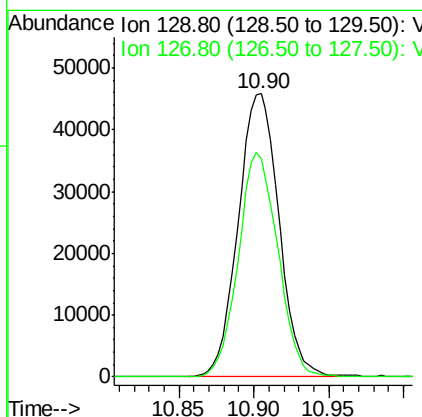
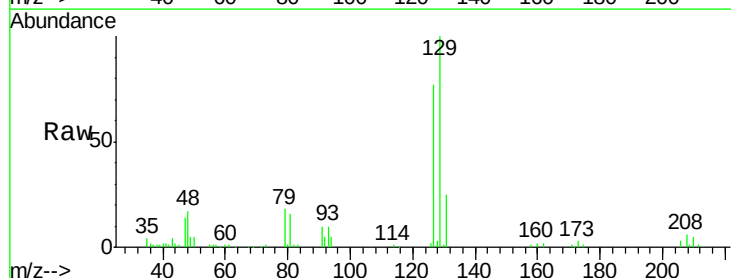
Manual Integrations  
APPROVED

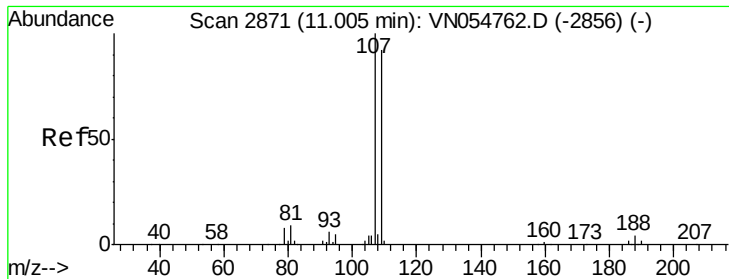
MMDadoda  
4/1/2019 1:32:42 PM



#60  
Dibromochloromethane  
Concen: 20.396 ug/l  
RT: 10.90 min Scan# 2840  
Delta R.T. 0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Tgt Ion: 129 Resp: 87039  
Ion Ratio Lower Upper  
129 100  
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.468 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

ClientSampled :

VN0330MBS01

Tot Ion:107 Resp: 86430

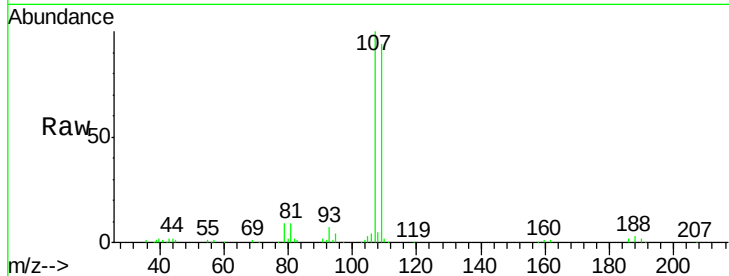
Ion Ratio Lower Upper

107 100

109 94.9 75.9 113.9

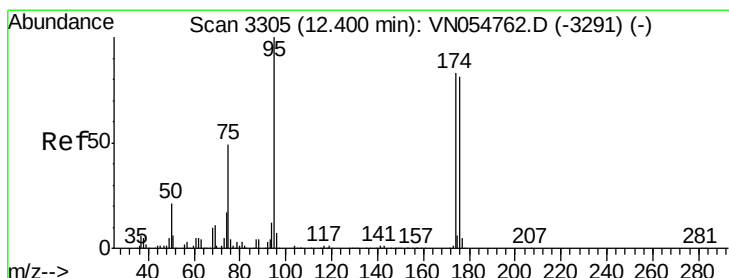
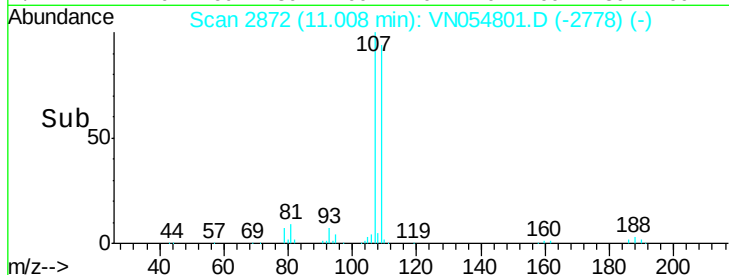
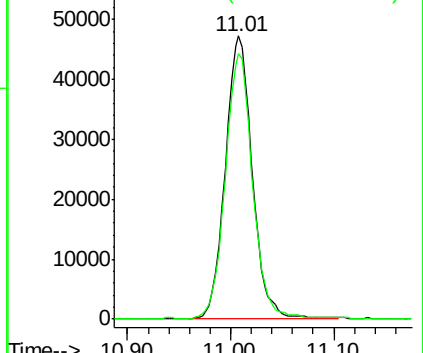
Manual Integrations  
APPROVED

MMDadoda  
4/1/2019 1:32:42 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.297 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

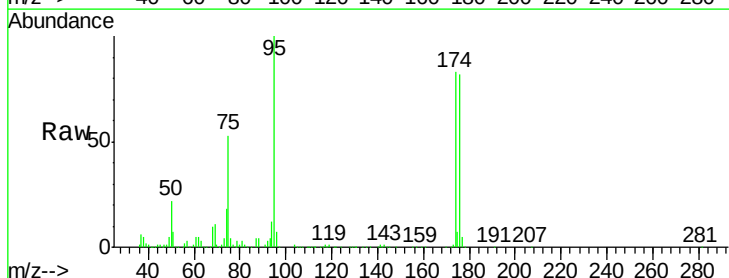
Tgt Ion: 95 Resp: 284310

Ion Ratio Lower Upper

95 100

174 84.6 0.0 191.0

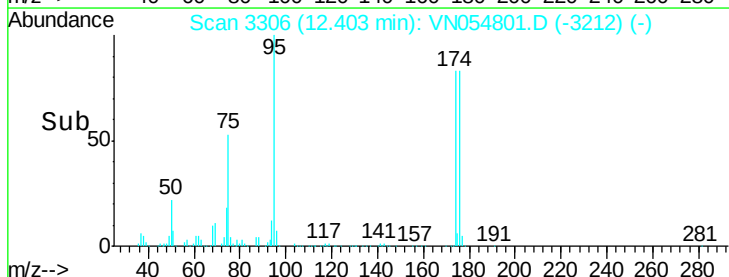
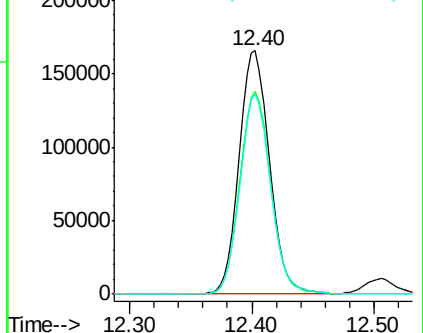
176 82.8 0.0 187.4

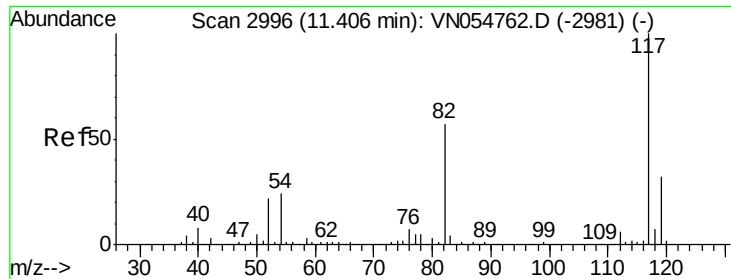


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





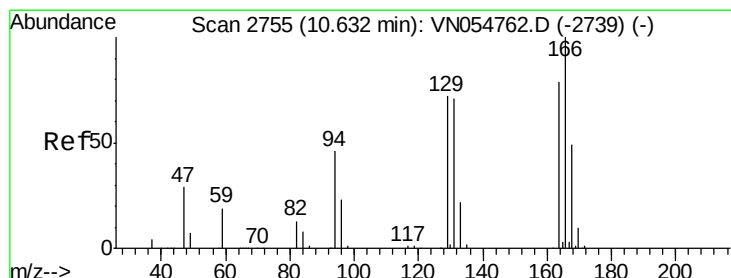
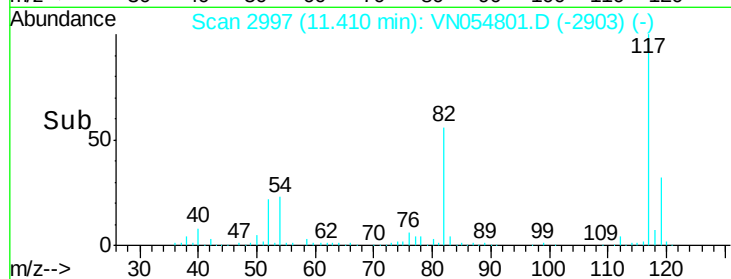
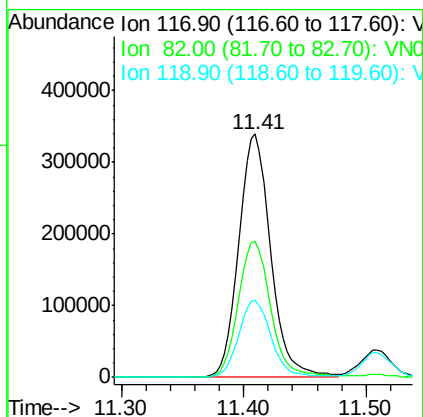
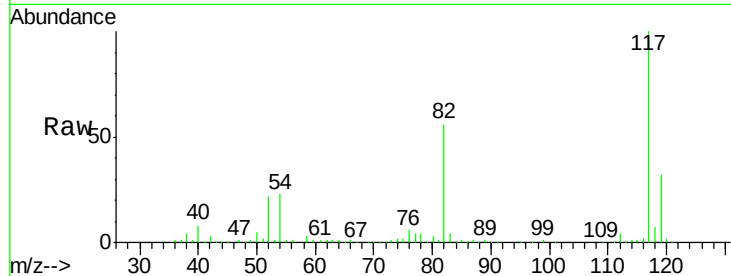
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 614896 |       |       |
| 82      | 56.2  | 40.0   | 60.0  |       |
| 119     | 31.6  | 25.8   | 38.6  |       |

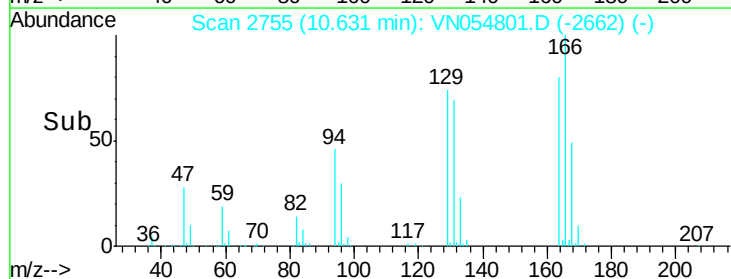
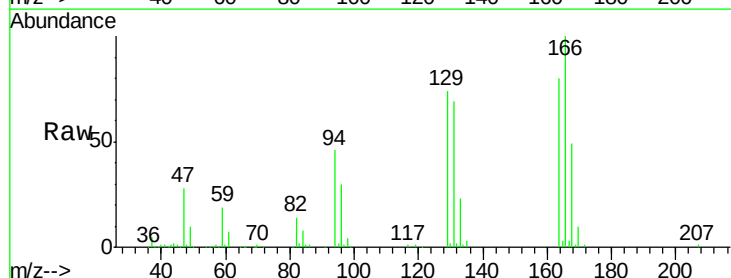
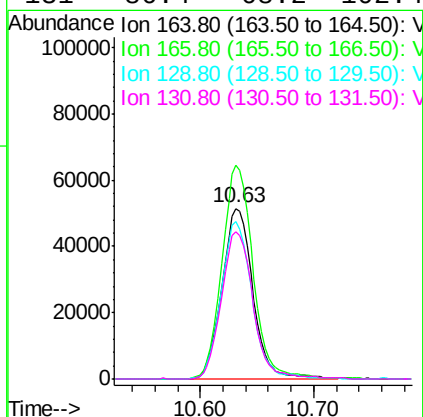
Manual Integrations  
APPROVED

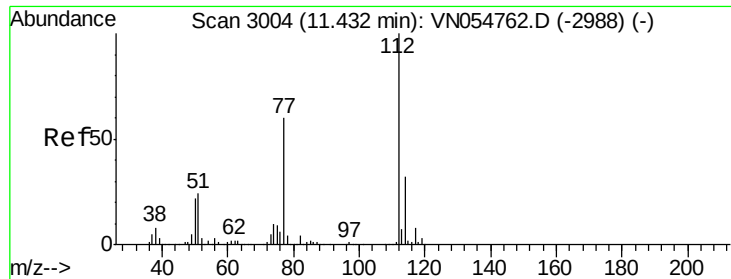
MMDadoda  
4/1/2019 1:32:42 PM



#64  
Tetrachloroethene  
Concen: 20.781 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 98055 |       |       |
| 166     | 125.4 | 103.9 | 155.9 |       |
| 129     | 92.3  | 71.1  | 106.7 |       |
| 131     | 86.4  | 68.2  | 102.4 |       |





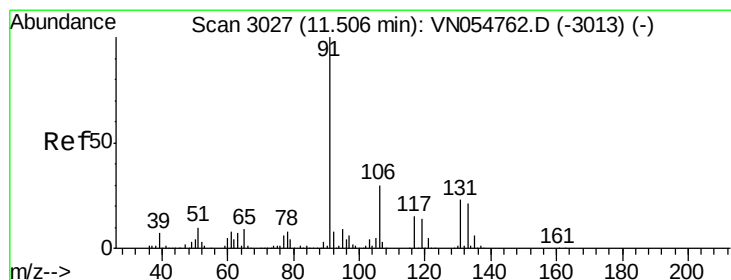
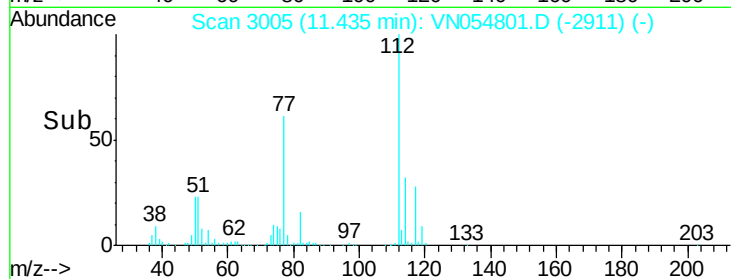
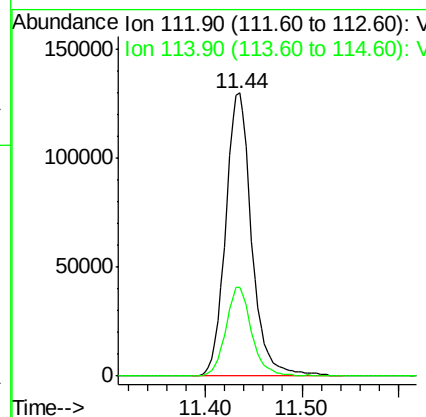
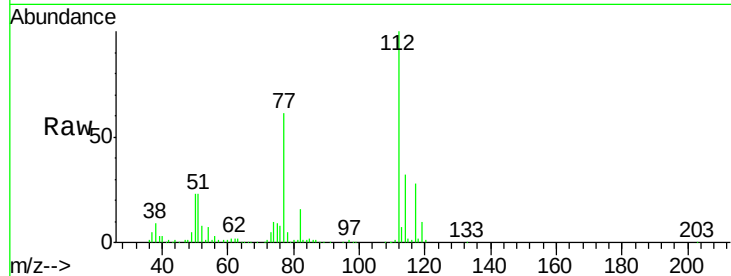
#65  
Chlorobenzene  
Concen: 20.199 ug/l  
RT: 11.44 min Scan# 3005  
Delta R.T. 0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0330MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 243175 |       |       |
| 114     | 31.5  | 25.9   | 38.9  |       |

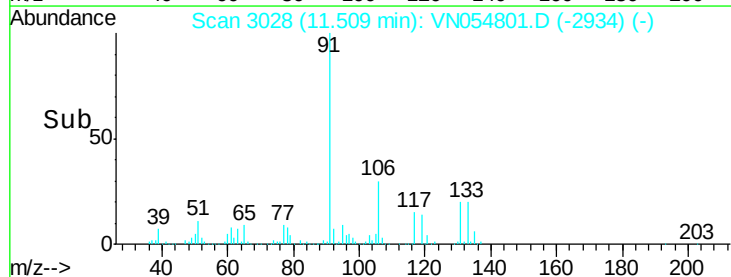
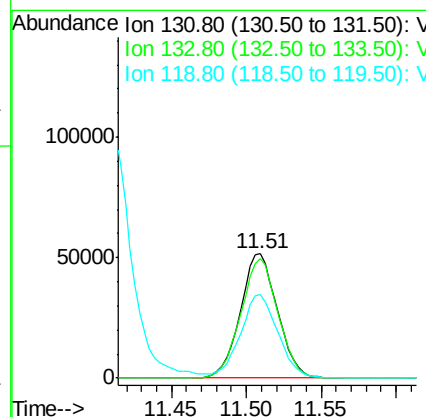
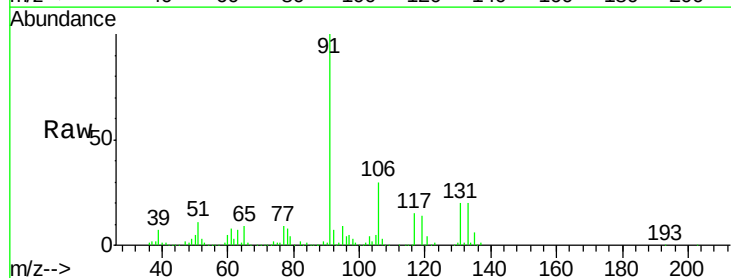
Manual Integrations  
APPROVED

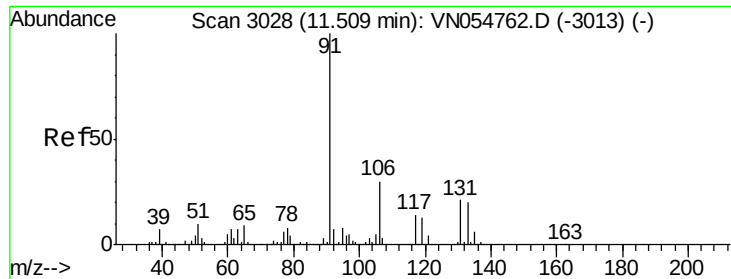
MMDadoda  
4/1/2019 1:32:42 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.844 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 131     | 100   | 89421 |       |       |
| 133     | 95.7  | 47.6  | 142.9 |       |
| 119     | 68.3  | 32.4  | 97.0  |       |





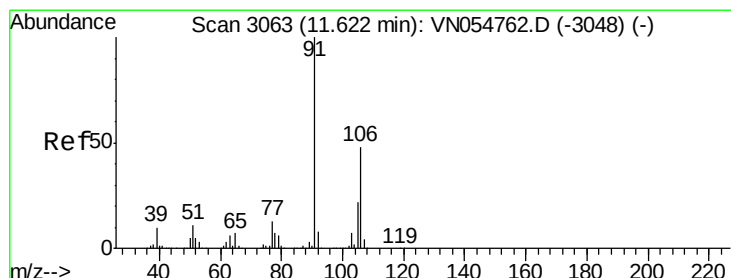
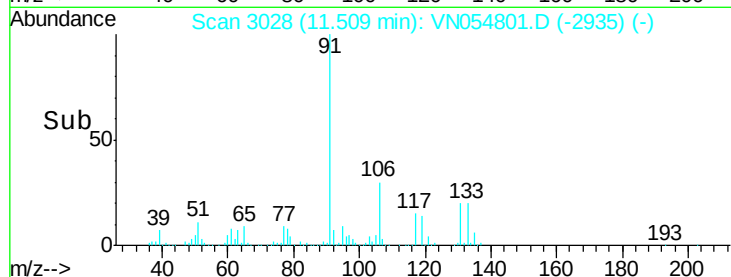
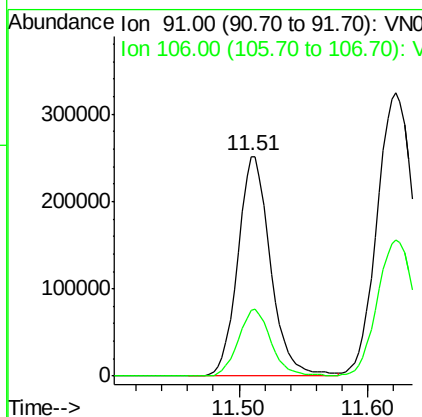
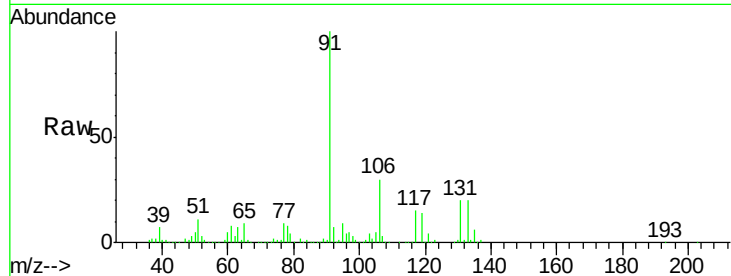
#67  
Ethyl Benzene  
Concen: 20.439 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

Tot Ion: 91 Resp: 444034  
Ion Ratio Lower Upper  
91 100  
106 29.9 25.5 38.3

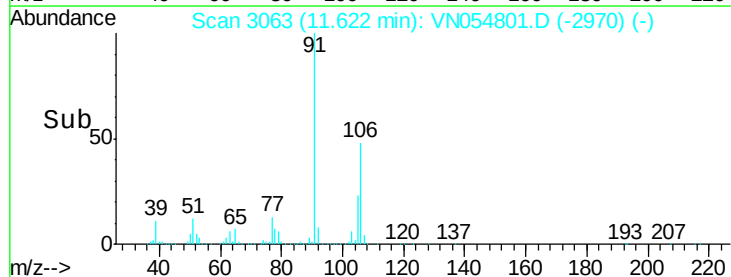
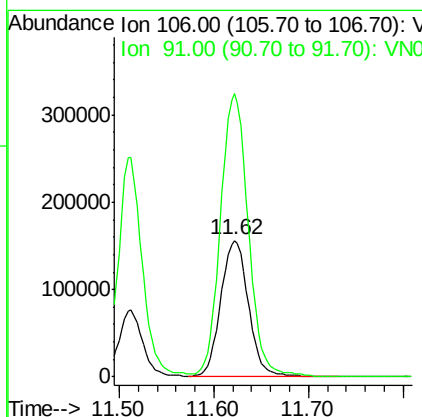
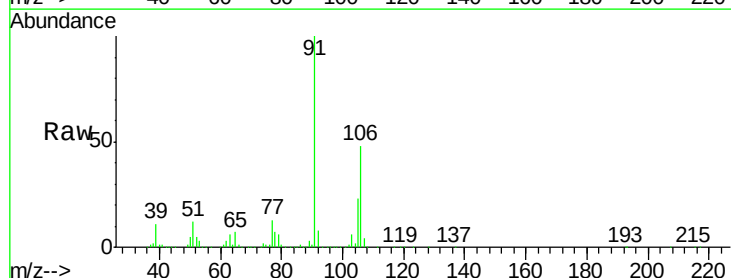
Manual Integrations  
APPROVED

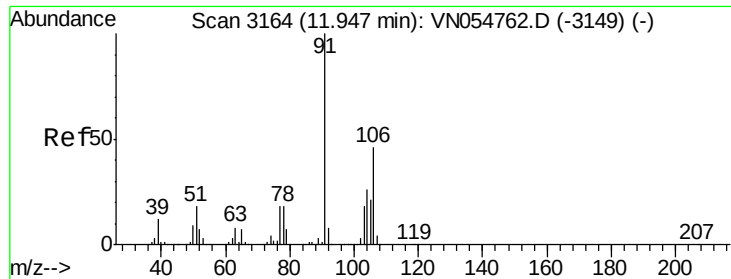
MMDadoda  
4/1/2019 1:32:42 PM



#68  
m/p-Xylenes  
Concen: 39.803 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Tgt Ion: 106 Resp: 320004  
Ion Ratio Lower Upper  
106 100  
91 206.9 159.4 239.2





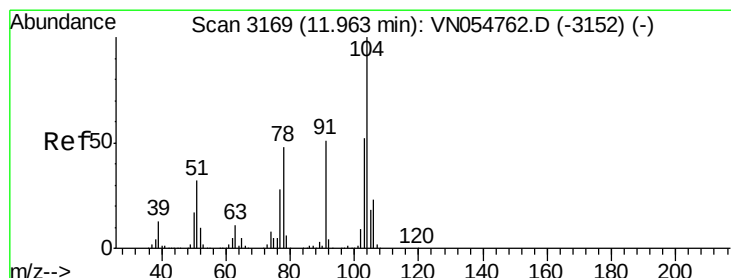
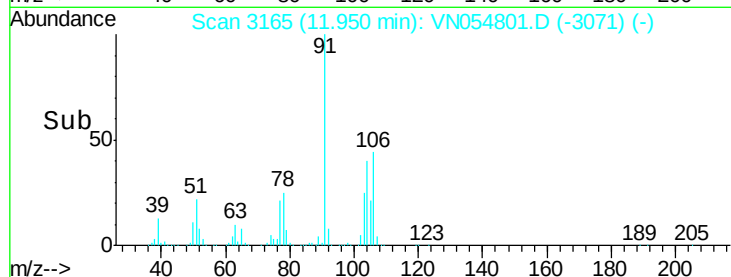
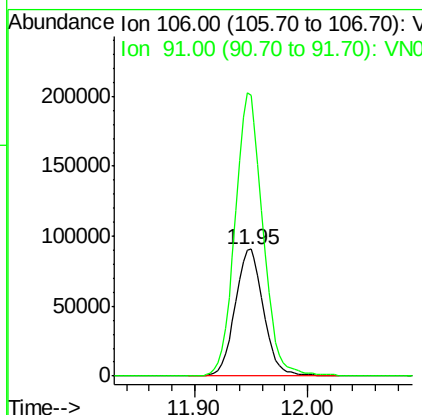
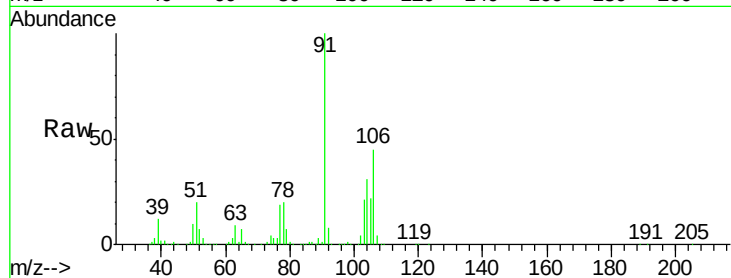
#69  
o-Xylene  
Concen: 20.178 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

Tot Ion:106 Resp: 159074  
Ion Ratio Lower Upper  
106 100  
91 217.5 105.7 317.1

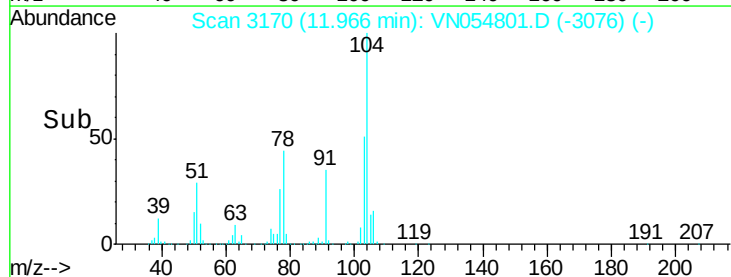
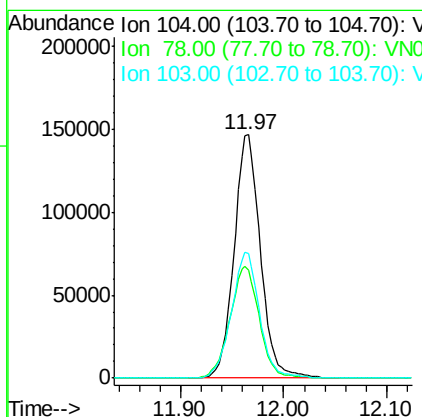
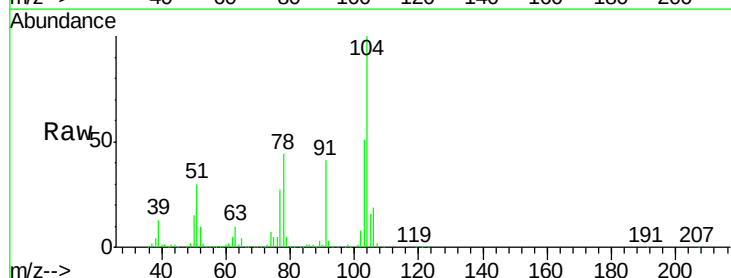
Manual Integrations  
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4/1/2019 1:32:42 PM

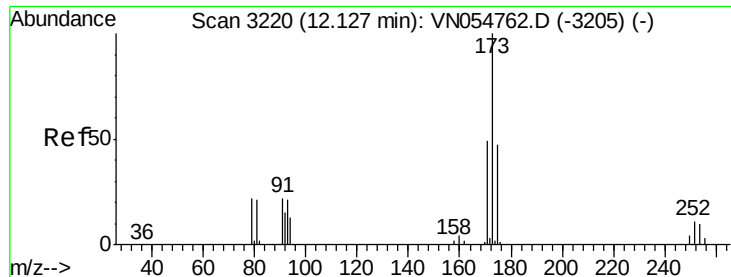


#70  
Styrene  
Concen: 20.746 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Tgt Ion:104 Resp: 261502  
Ion Ratio Lower Upper  
104 100  
78 51.0 38.2 57.2  
103 55.3 44.4 66.6







#71

Bromoform

Concen: 20.206 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

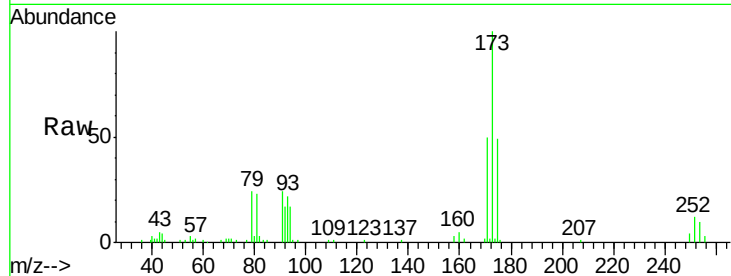
ClientSampleId :

VN0330MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.8  | 24.4  | 73.2  |
| 254     | 0.0   | 0.1   | 0.1#  |

Manual Integrations  
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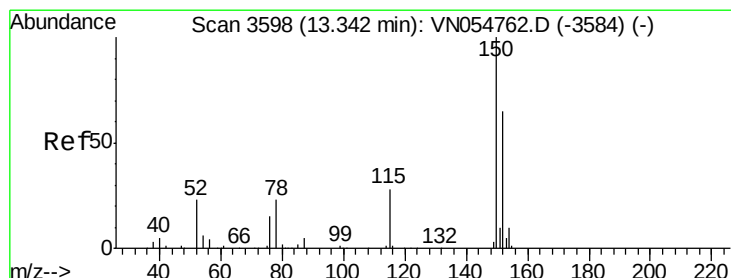
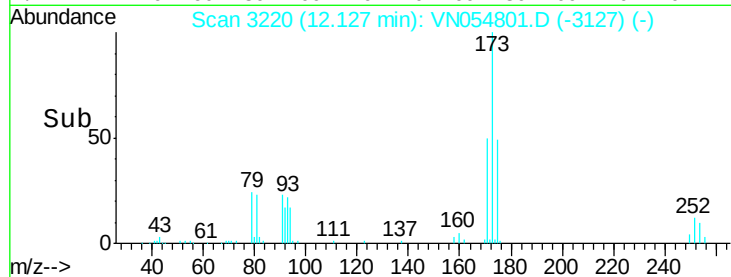
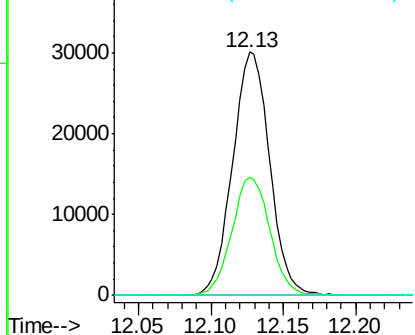


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

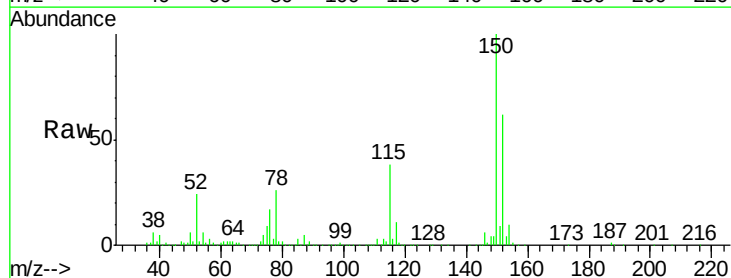
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.0  | 27.2  | 81.6  |
| 150     | 164.1 | 0.0   | 349.2 |

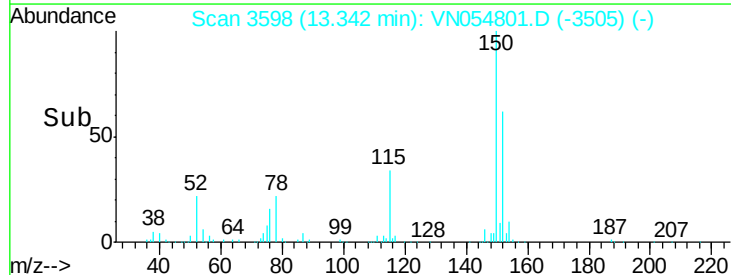
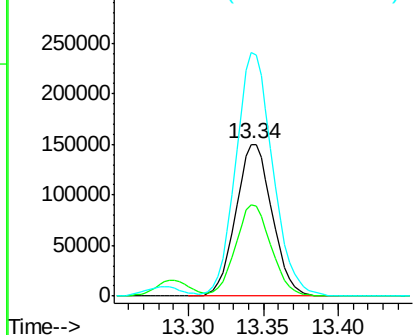


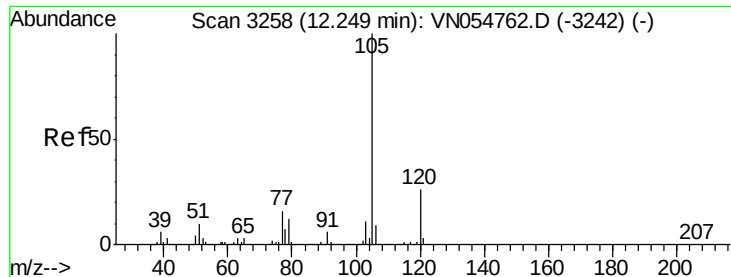
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.113 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0330MBS01

Tot Ion: 105 Resp: 416420

Ion Ratio Lower Upper

105 100

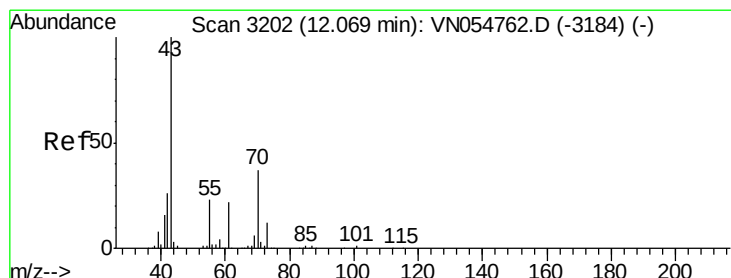
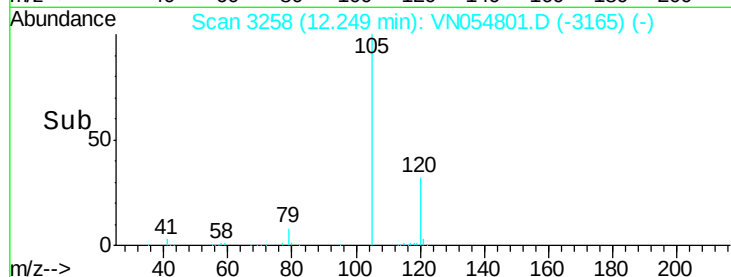
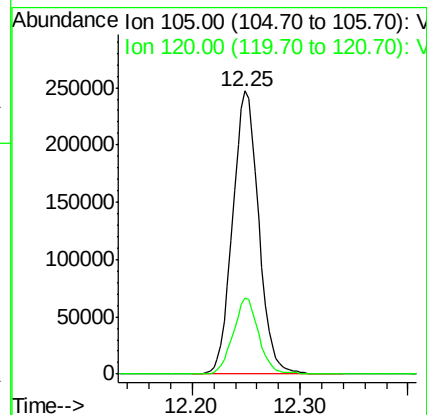
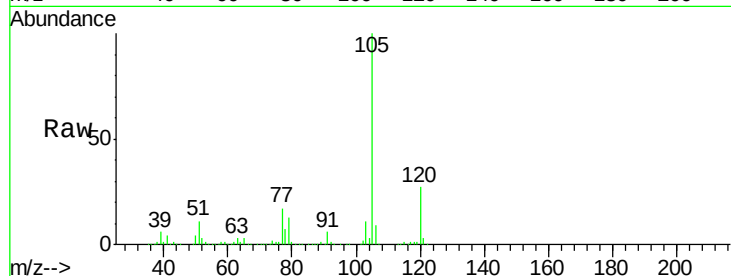
120 26.2 13.8 41.3

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#74

N-ethyl acetate

Concen: 22.130 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Tgt Ion: 43 Resp: 142738

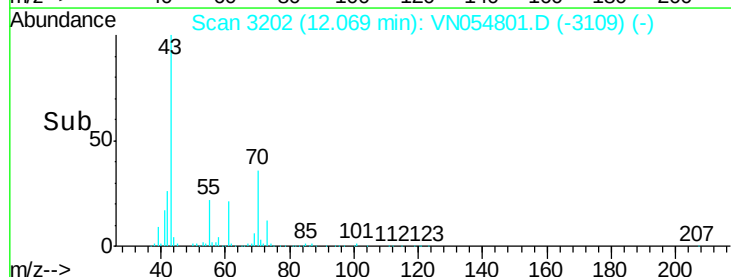
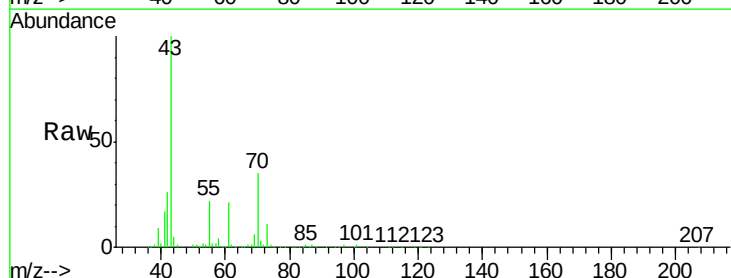
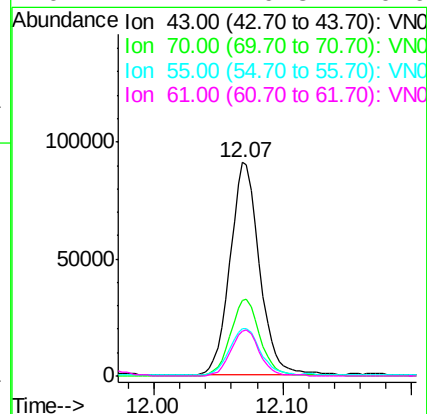
Ion Ratio Lower Upper

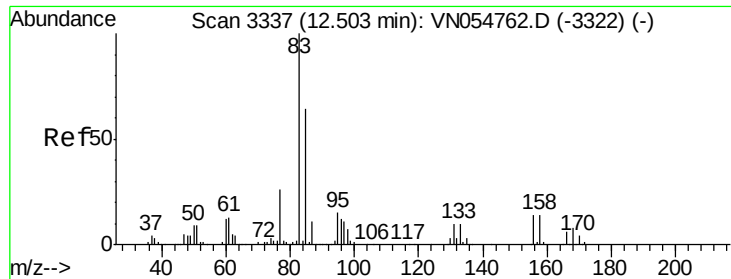
43 100

70 36.9 35.4 53.0

55 23.2 19.8 29.6

61 21.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.977 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

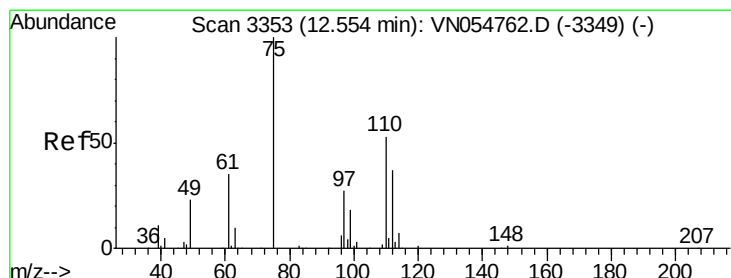
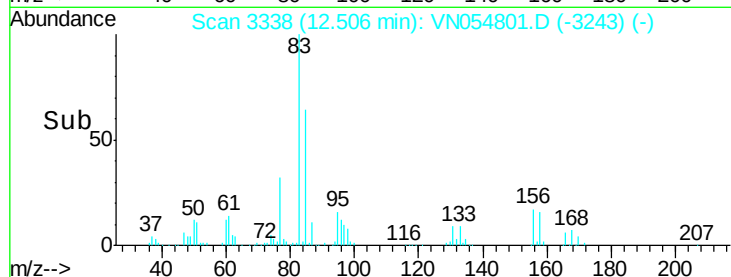
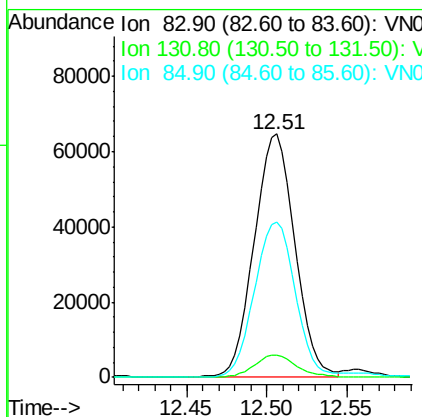
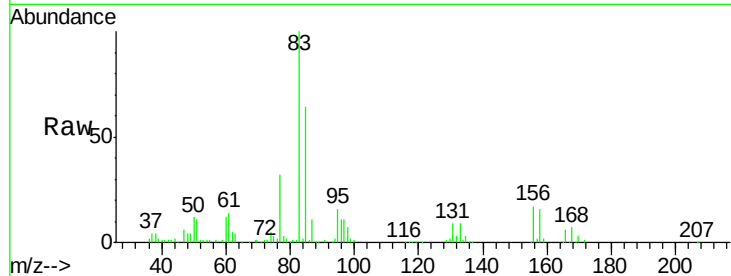
ClientSampleId :

VN0330MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 113500 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.7   | 5.8   | 17.4   |
| 85        | 64.4  | 32.2  | 96.6   |

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#76

1,2,3-Trichloropropane

Concen: 22.363 ug/l m

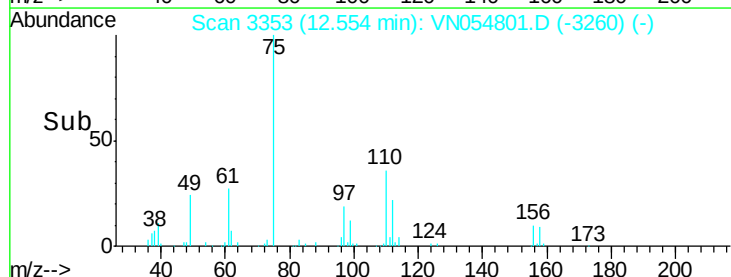
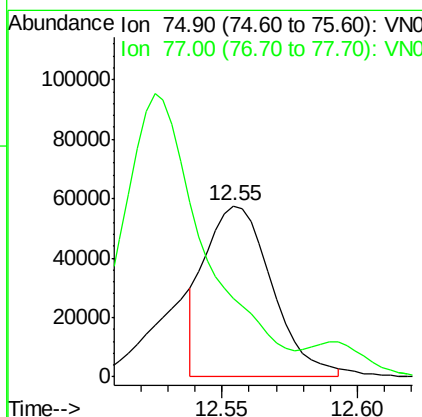
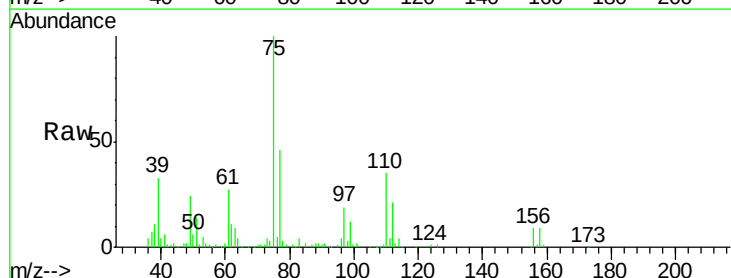
RT: 12.55 min Scan# 3353

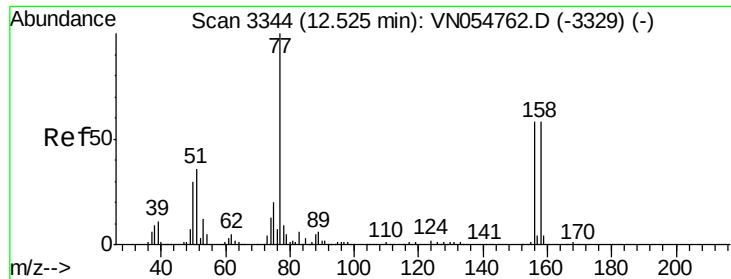
Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 98406 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.521 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

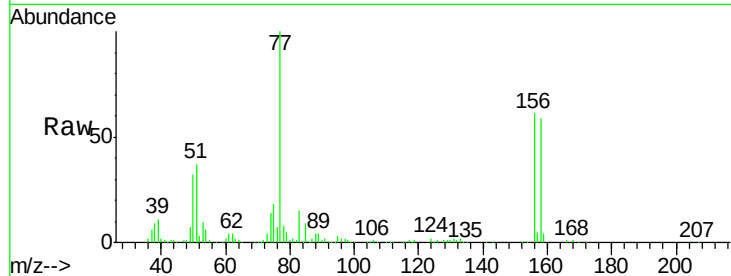
ClientSampleId :

VN0330MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 102538 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 195.7 | 81.5  | 244.4  |
| 158       | 96.0  | 49.0  | 147.2  |

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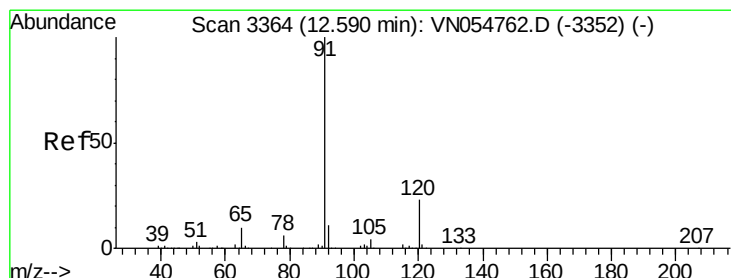
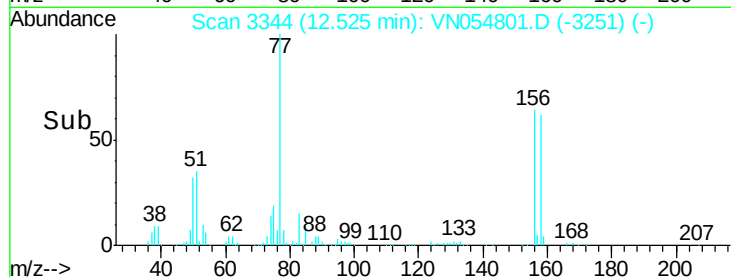
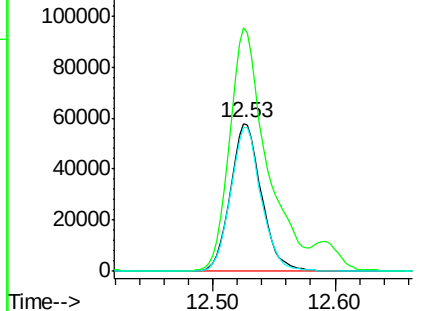
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.943 ug/l

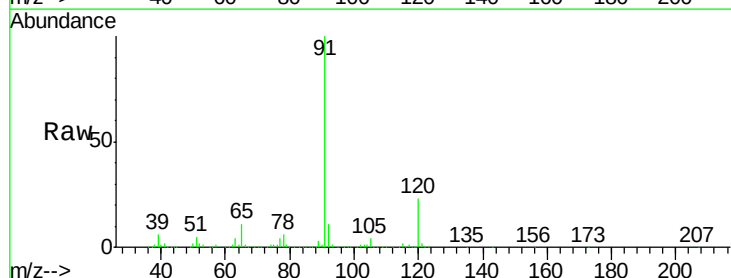
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054801.D

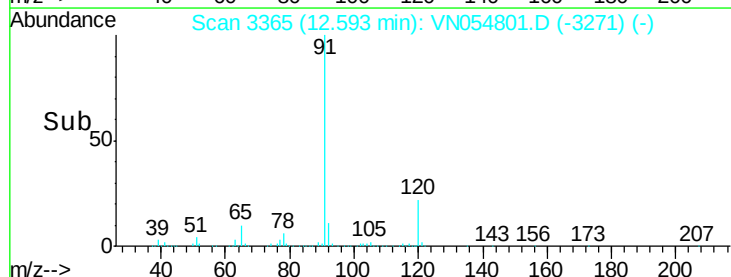
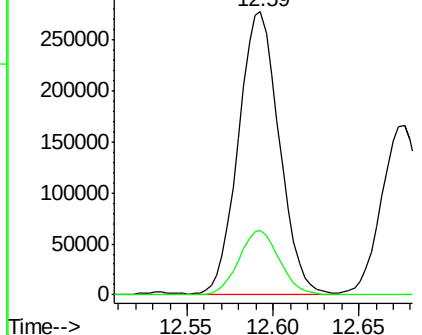
Acq: 30 Mar 2019 14:39

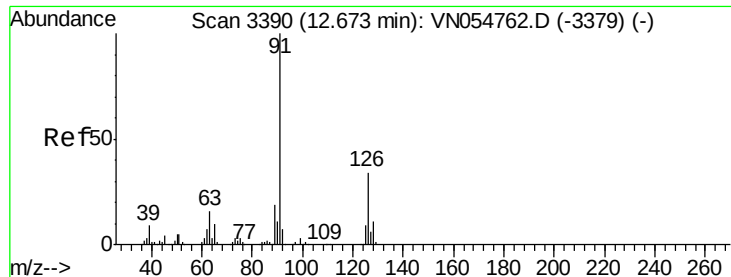
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 453806 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.9  | 12.3  | 36.9   |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.981 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

ClientSampleId :

VN0330MBS01

Tot Ion: 91 Resp: 281293

Ion Ratio Lower Upper

91 100

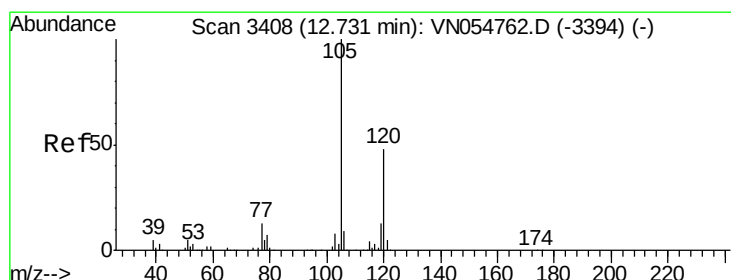
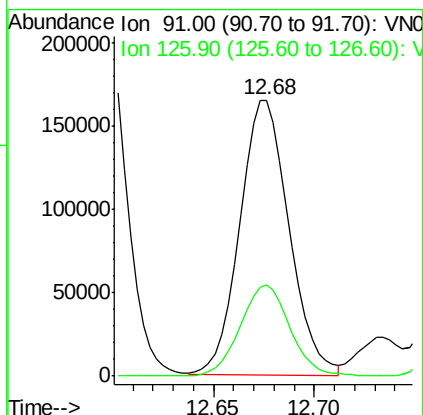
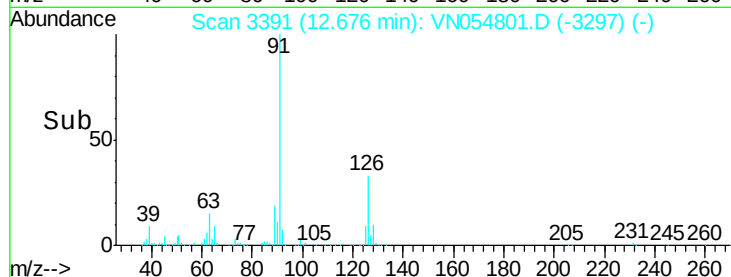
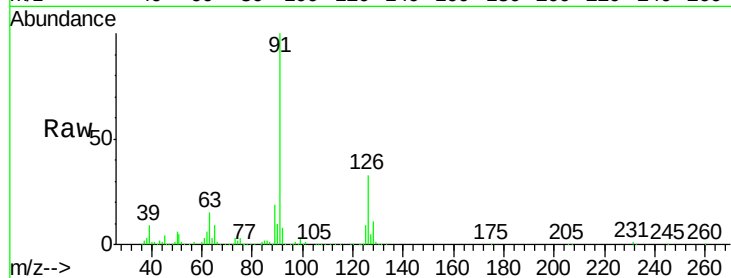
126 33.7 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.007 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054801.D

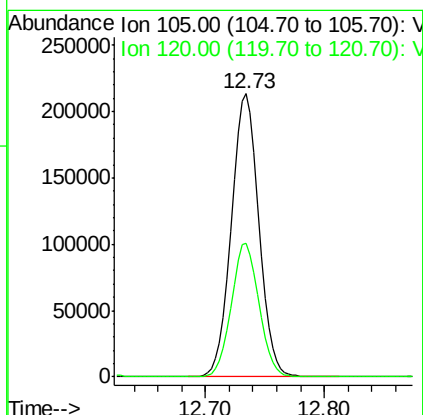
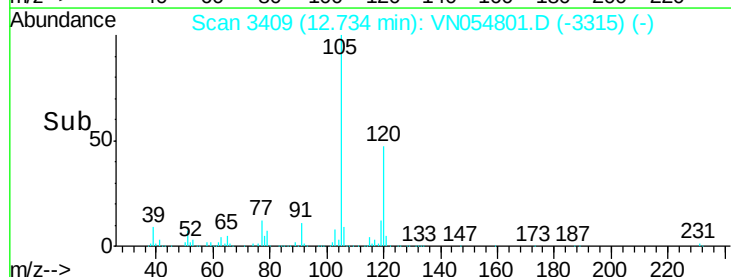
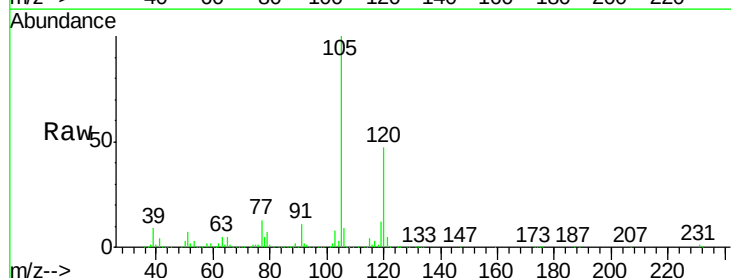
Acq: 30 Mar 2019 14:39

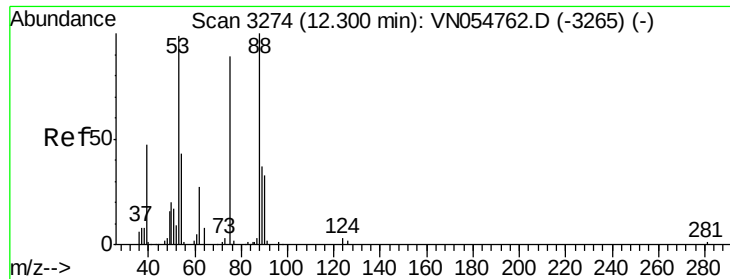
Tgt Ion: 105 Resp: 339880

Ion Ratio Lower Upper

105 100

120 47.6 25.0 75.0





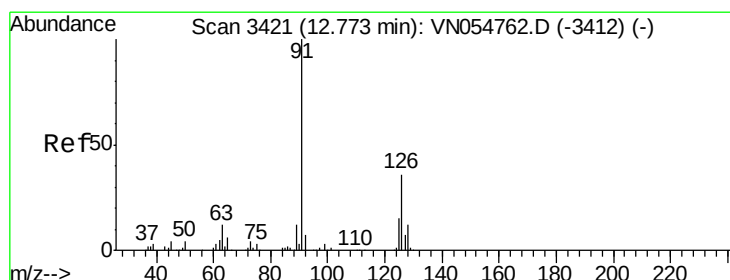
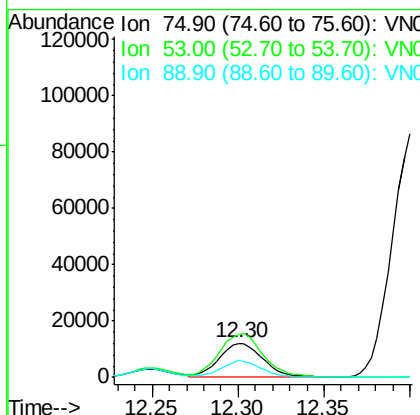
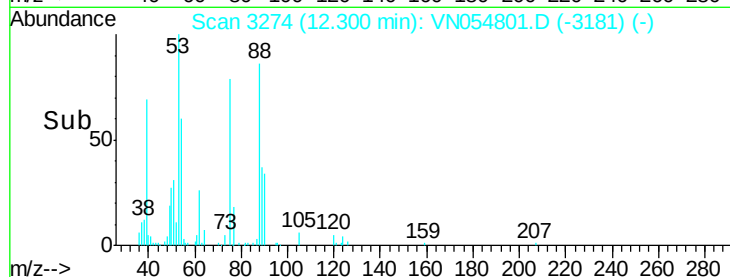
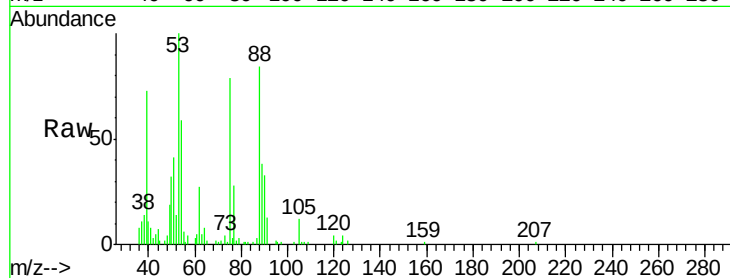
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.254 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 130.5 | 76.2  | 114.2# |
| 89      | 46.2  | 39.2  | 58.8   |

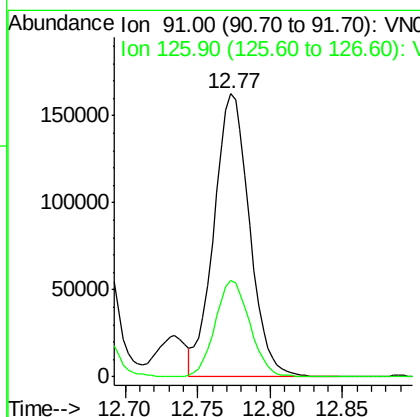
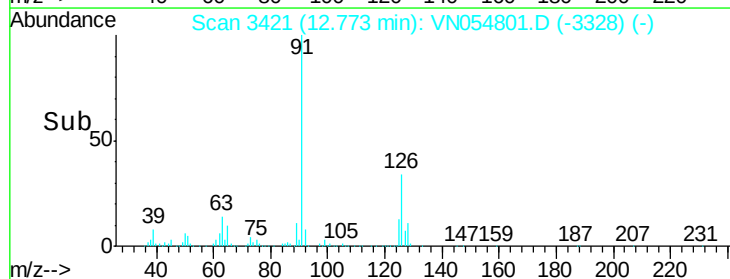
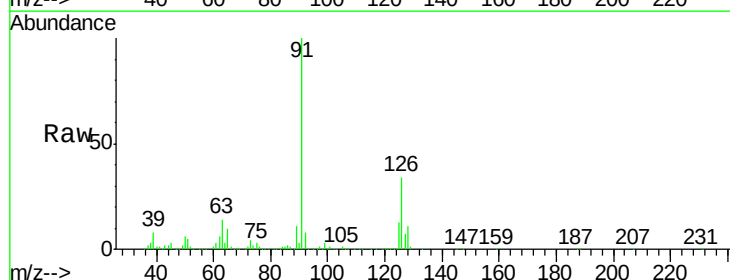
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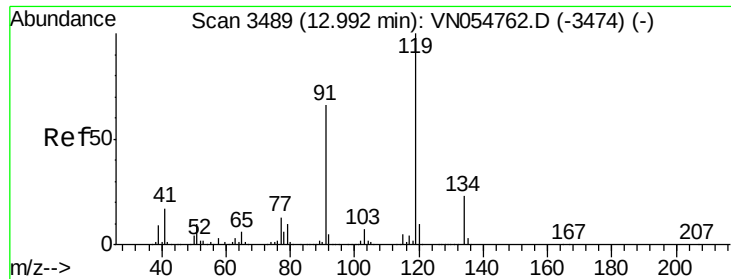
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#82  
4-Chlorotoluene  
Concen: 20.199 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. -0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.7  | 18.1  | 54.1  |





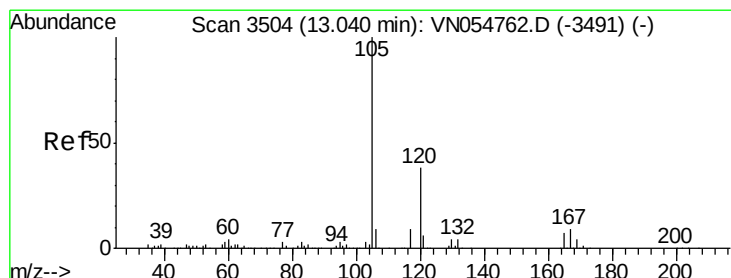
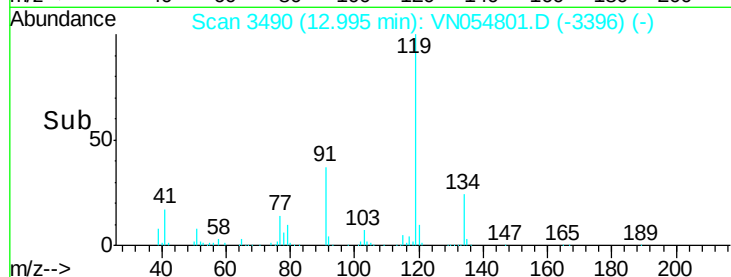
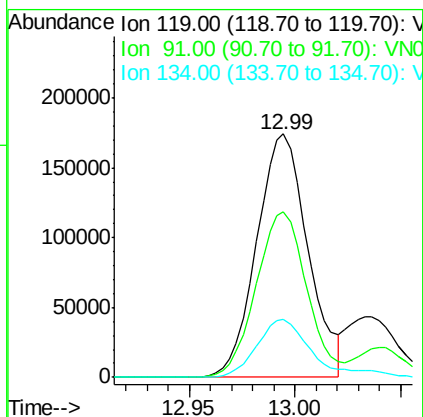
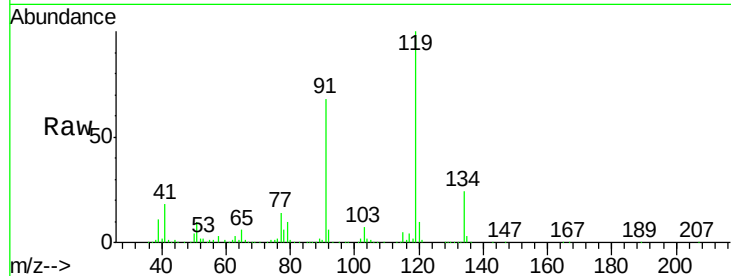
#83  
 tert-Butylbenzene  
 Concen: 21.233 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN054801.D  
 Acq: 30 Mar 2019 14:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0330MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 295283 |       |       |
| 91      | 66.9  |        | 30.9  | 92.8  |
| 134     | 25.9  |        | 13.2  | 39.6  |

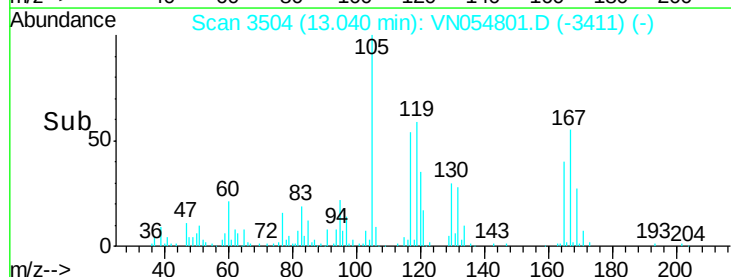
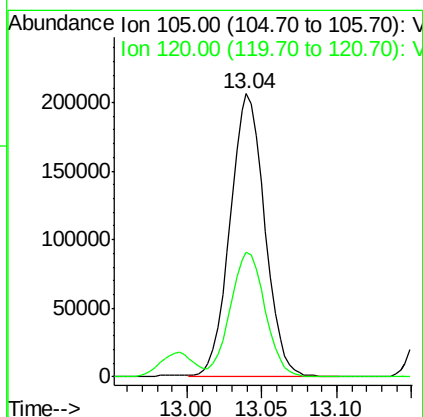
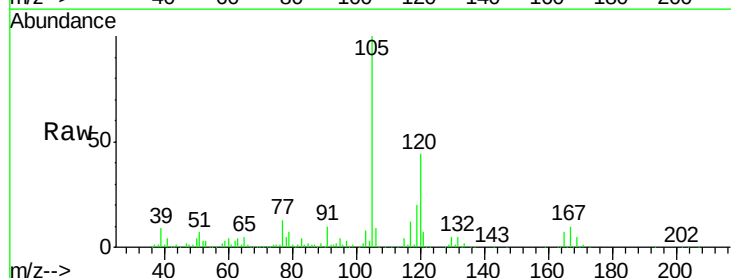
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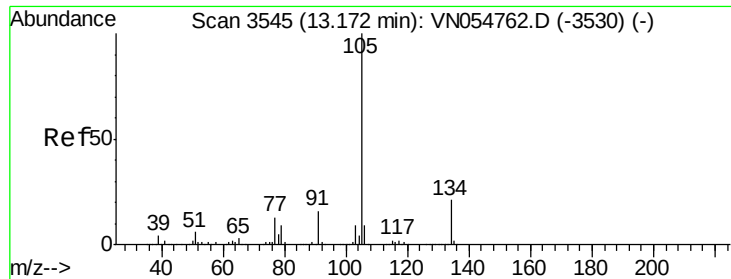
MMDadoda  
 4/1/2019 1:32:42 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.430 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. -0.00 min  
 Lab File: VN054801.D  
 Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 330654 |       |       |
| 120     | 44.6  |        | 23.4  | 70.3  |





#85

sec-Butylbenzene

Concen: 19.976 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

ClientSampled :

VN0330MBS01

Tot Ion:105 Resp: 368643

Ion Ratio Lower Upper

105 100

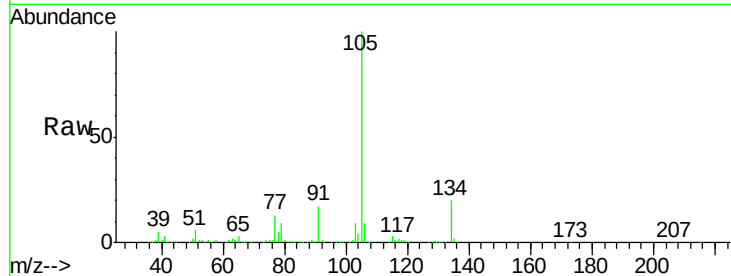
134 20.1 10.7 32.1

Manual Integrations

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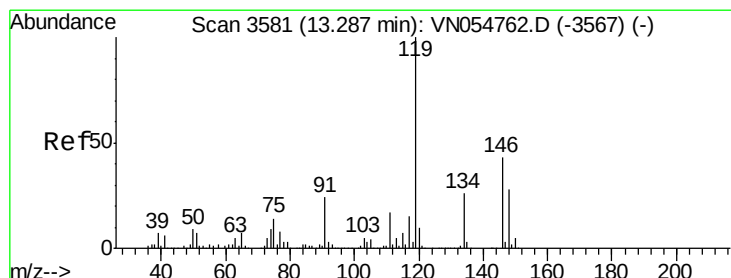
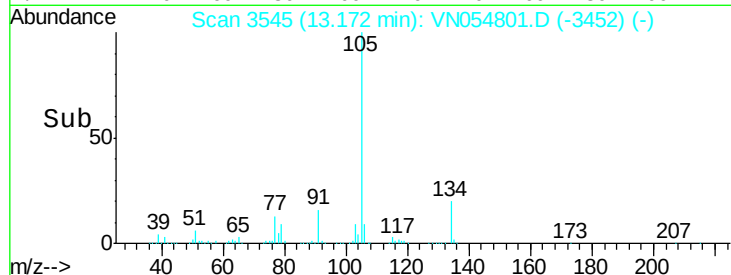
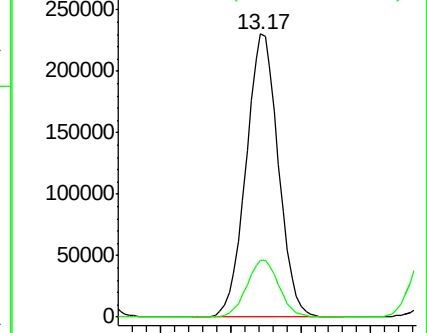
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.396 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

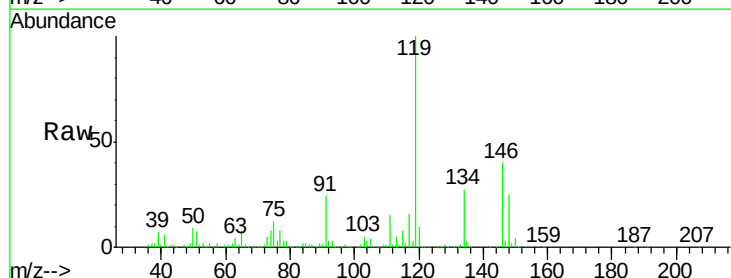
Tgt Ion:119 Resp: 315698

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

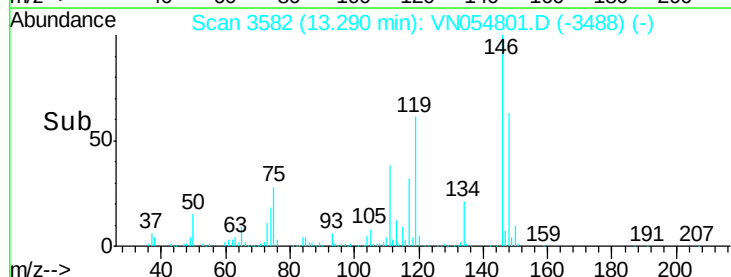
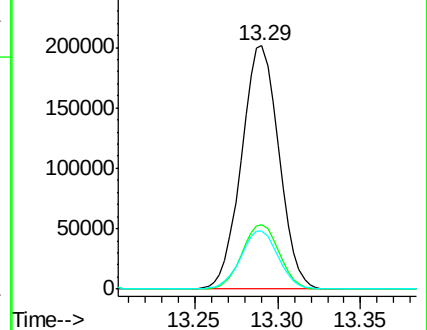
91 23.8 11.1 33.3



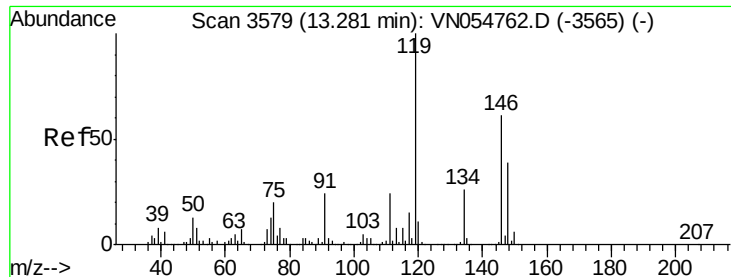
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V







#87

1,3-Dichlorobenzene

Concen: 19.791 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

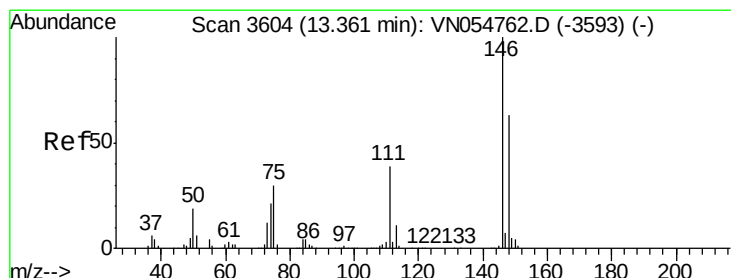
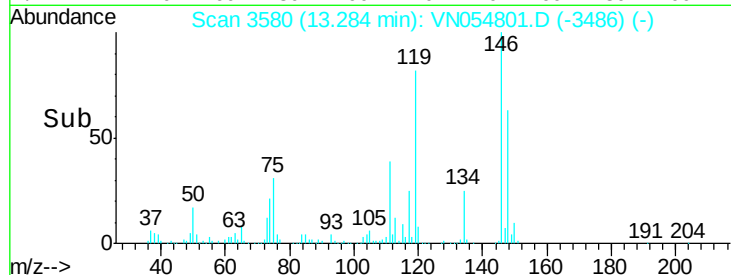
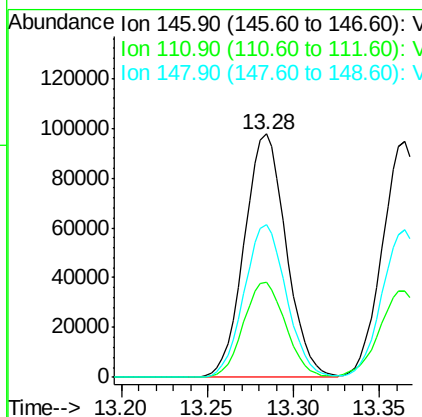
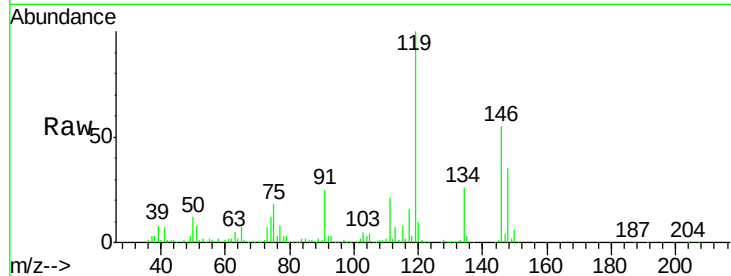
ClientSampleId :

VN0330MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 165564 |       |       |
| 111     | 39.1  | 18.8   | 56.3  |       |
| 148     | 63.1  | 32.2   | 96.6  |       |

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#88

1,4-Dichlorobenzene

Concen: 19.502 ug/l

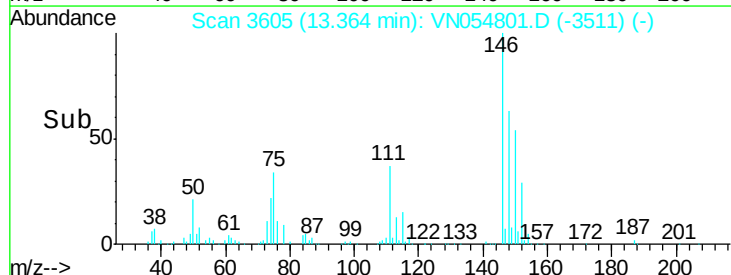
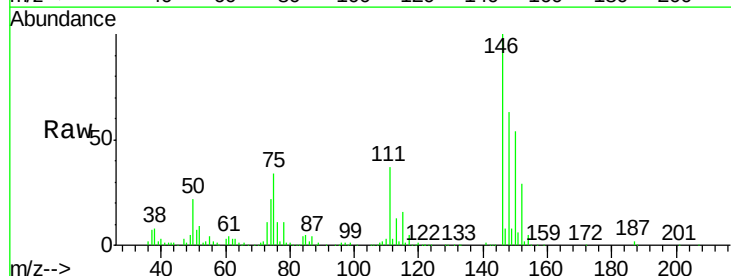
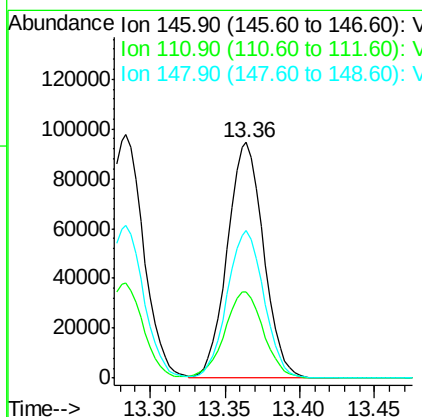
RT: 13.36 min Scan# 3605

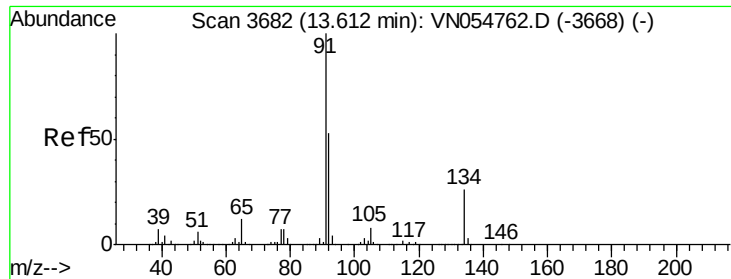
Delta R.T. 0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 160014 |       |       |
| 111     | 39.5  | 18.1   | 54.1  |       |
| 148     | 63.1  | 32.0   | 96.0  |       |





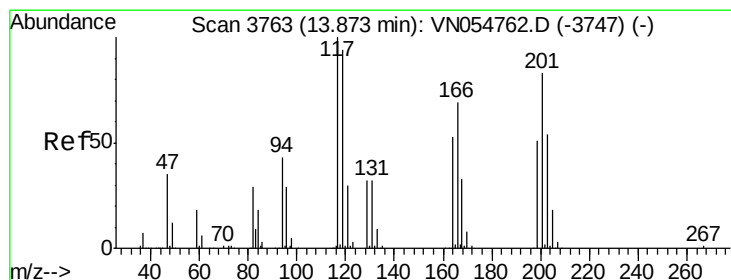
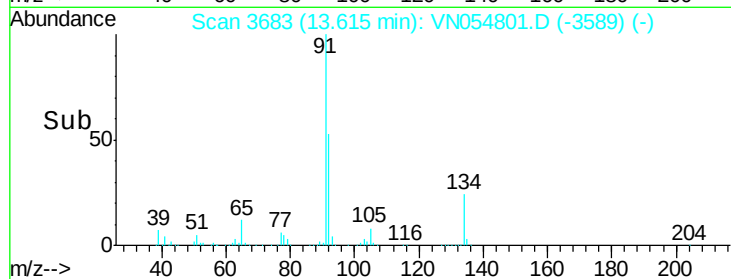
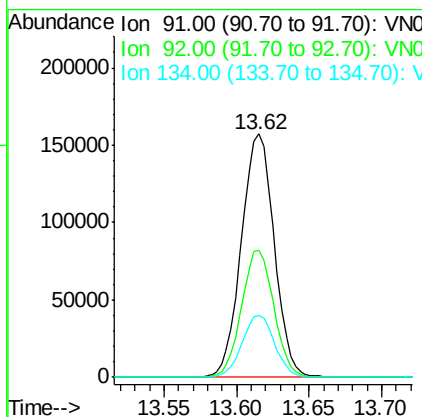
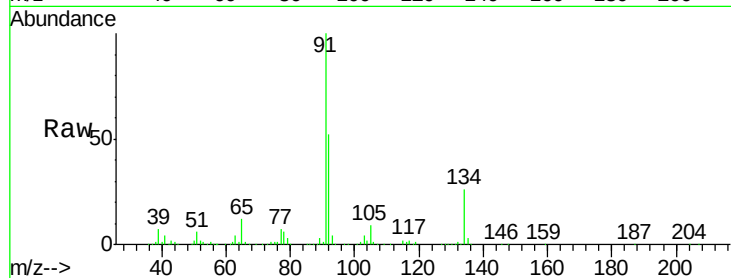
#89  
n-Butylbenzene  
Concen: 18.681 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0330MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.5  | 26.2  | 78.6  |
| 134     | 25.5  | 14.3  | 42.9  |

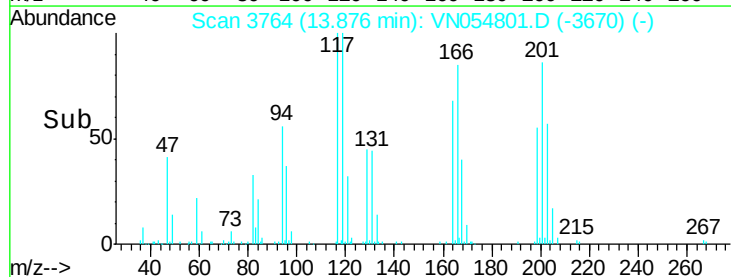
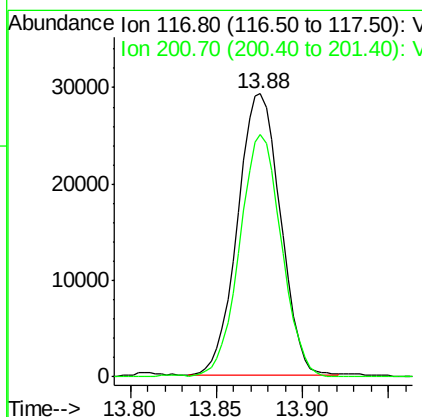
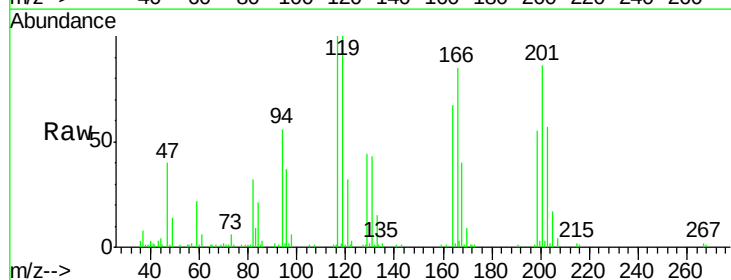
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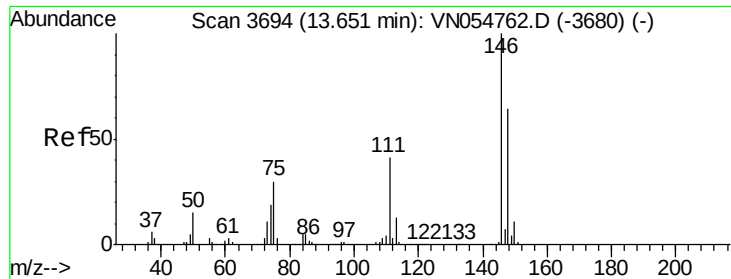
MMDadoda  
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#90  
Hexachloroethane  
Concen: 18.234 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. 0.00 min  
Lab File: VN054801.D  
Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 84.4  | 48.1  | 144.4 |





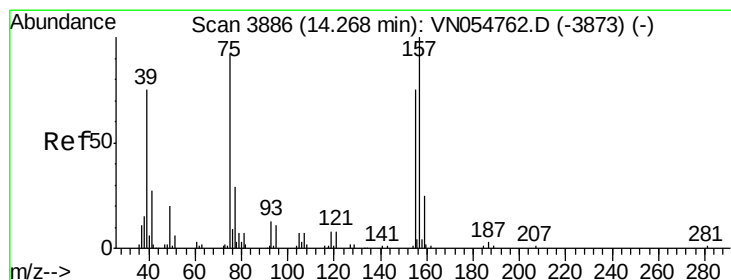
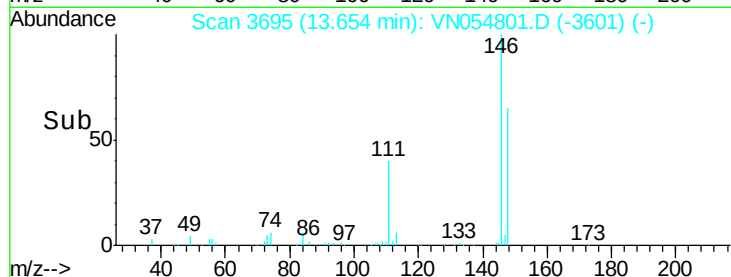
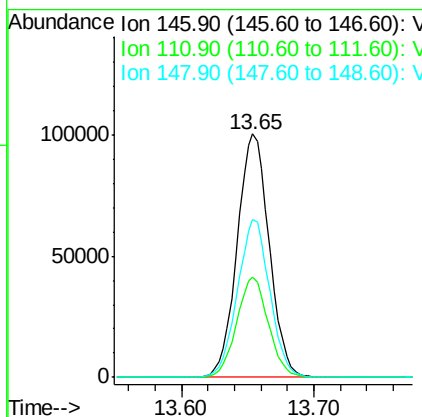
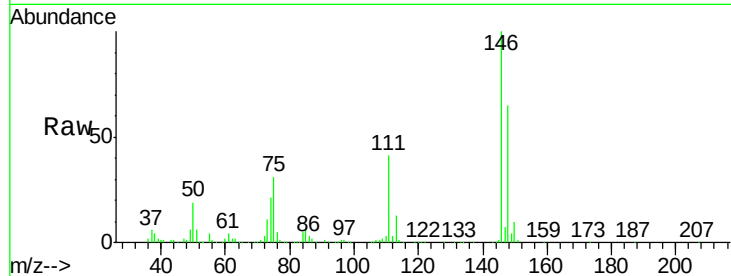
#91  
 1,2-Dichlorobenzene  
 Concen: 19.935 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN054801.D  
 Acq: 30 Mar 2019 14:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0330MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 19.1  | 57.3  |
| 148     | 65.3  | 32.4  | 97.0  |

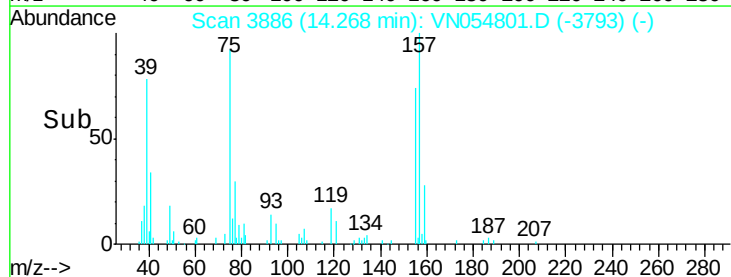
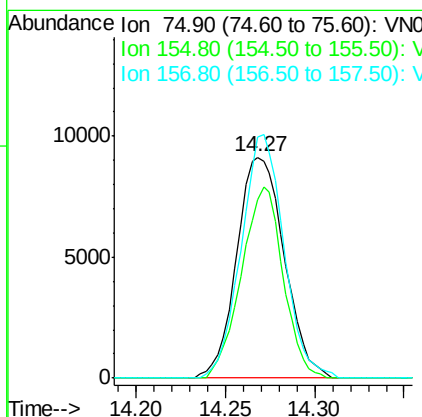
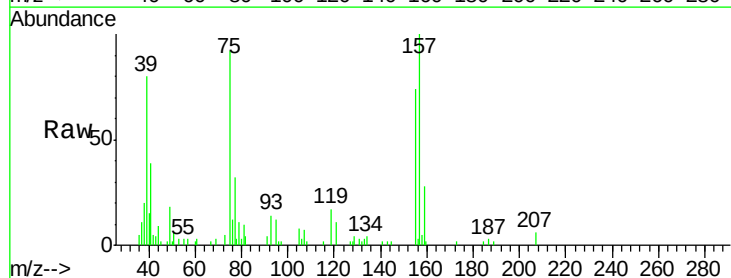
Manual Integrations  
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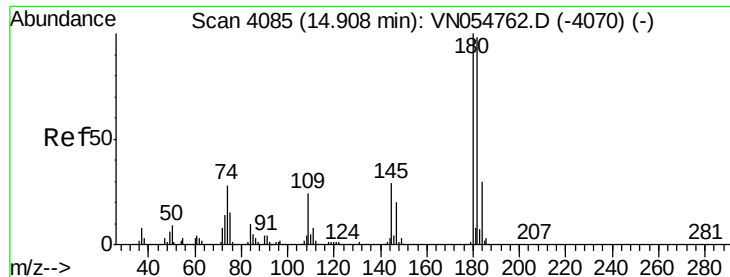
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 23.954 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN054801.D  
 Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 75.8  | 50.1  | 150.3 |
| 157     | 99.2  | 63.1  | 189.3 |





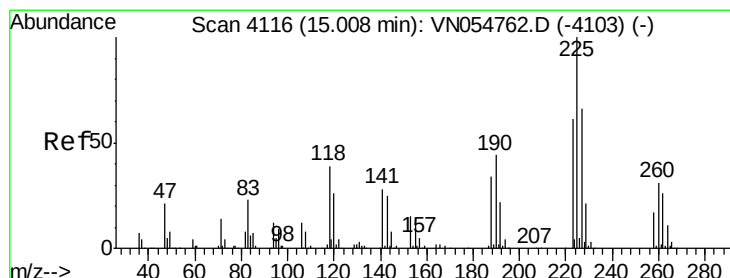
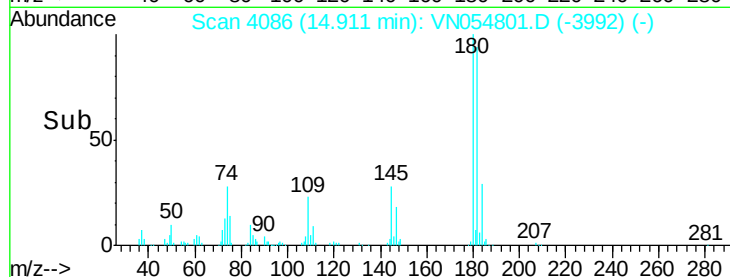
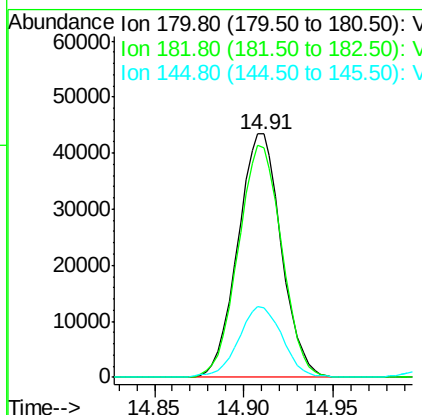
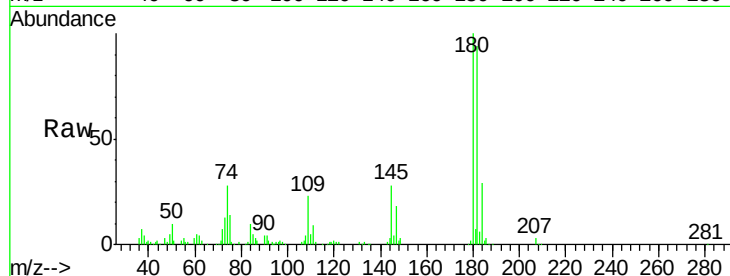
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.020 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN054801.D  
 Acq: 30 Mar 2019 14:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0330MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 48.0  | 144.2 |
| 145     | 29.5  | 14.2  | 42.8  |

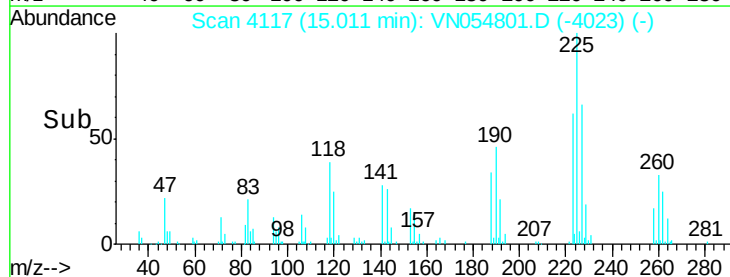
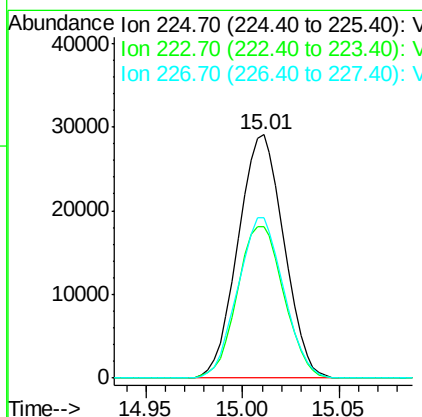
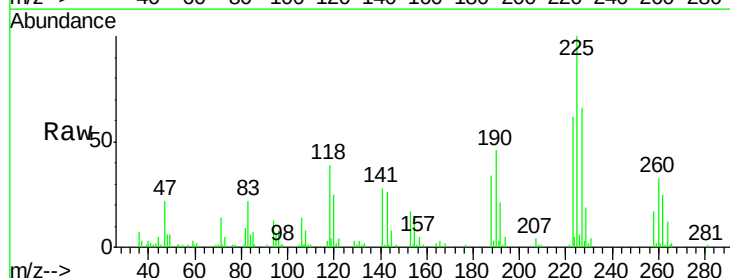
Manual Integrations  
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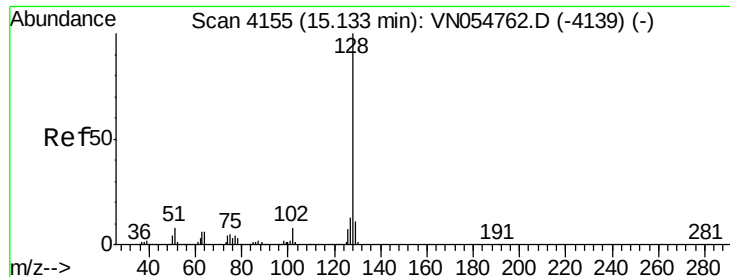
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 4/1/2019 1:32:42 PM



#94  
 Hexachlorobutadiene  
 Concen: 18.582 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN054801.D  
 Acq: 30 Mar 2019 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.1  | 31.1  | 93.5  |
| 227     | 65.6  | 31.9  | 95.9  |





#95

Naphthalene

Concen: 19.267 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

Instrument :

MSVOA\_N

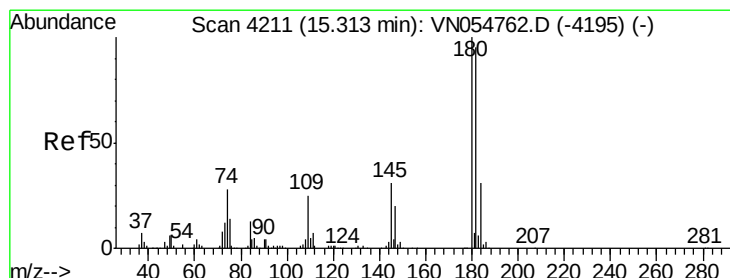
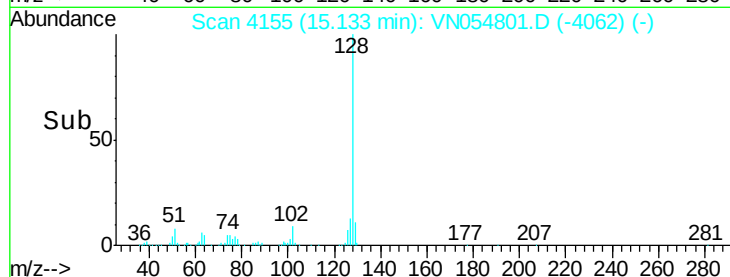
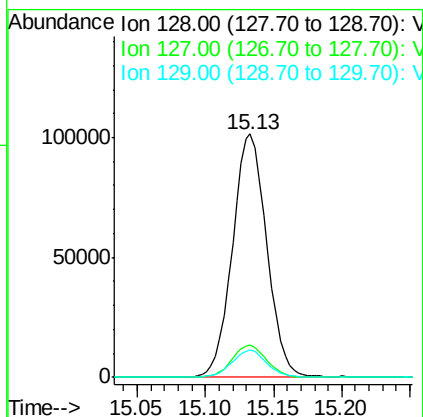
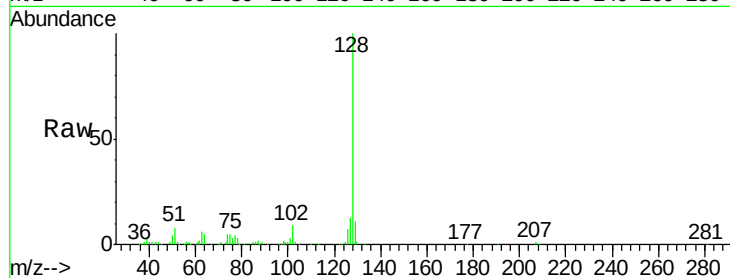
ClientSampleId :

VN0330MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 175890 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.4  | 10.1  | 15.1   |
| 129       | 11.4  | 8.7   | 13.1   |

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#96

1,2,3-Trichlorobenzene

Concen: 18.896 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054801.D

Acq: 30 Mar 2019 14:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 77679 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.6  | 47.5  | 142.6 |
| 145       | 31.4  | 14.8  | 44.3  |

