

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\  
 Data File : VN053676.D  
 Acq On : 8 Feb 2019 12:50  
 Operator : JC/SP  
 Sample : VN0208MBS01  
 Misc : 5.00µL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0208MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 2/11/2019 9:50:16 AM

Quant Time: Feb 09 02:49:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 01 09:11:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 675895   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 998568   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 861589   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 416776   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 328505   | 48.45 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.90% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 315027   | 49.93 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.86% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1146534  | 48.39 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.78% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 387003   | 48.98 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.96% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 140854  | 18.698  | ug/l | 99     |
| 3) Chloromethane              | 2.06 | 50  | 147289  | 18.356  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.19 | 62  | 145534  | 18.683  | ug/l | 98     |
| 5) Bromomethane               | 2.57 | 94  | 106705  | 20.951  | ug/l | 97     |
| 6) Chloroethane               | 2.71 | 64  | 96079   | 21.584  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 217391  | 20.580  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 76703   | 19.883  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 137198  | 21.001  | ug/l | 100    |
| 10) Methyl Iodide             | 3.96 | 142 | 191106  | 18.638  | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.78 | 59  | 37152   | 92.582  | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 122831  | 19.625  | ug/l | 99     |
| 13) Acrolein                  | 3.61 | 56  | 19210   | 87.924  | ug/l | 97     |
| 14) Allyl chloride            | 4.33 | 41  | 192995  | 19.366  | ug/l | 98     |
| 15) Acrylonitrile             | 4.98 | 53  | 214141  | 98.848  | ug/l | 98     |
| 16) Acetone                   | 3.82 | 43  | 176054  | 101.226 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.06 | 76  | 348677  | 17.891  | ug/l | 100    |
| 18) Methyl Acetate            | 4.32 | 43  | 108858  | 21.134  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.04 | 73  | 308766  | 19.460  | ug/l | 98     |
| 20) Methylene Chloride        | 4.55 | 84  | 138599  | 18.995  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 124566  | 18.447  | ug/l | 97     |
| 22) Diisopropyl ether         | 5.95 | 45  | 351329  | 19.026  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 1207560 | 94.532  | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 235816  | 19.147  | ug/l | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 235061  | 94.763  | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 176163  | 18.737  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 144962  | 19.306  | ug/l | 98     |
| 28) Bromochloromethane        | 7.19 | 49  | 103679  | 19.398  | ug/l | 94     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 152823  | 95.945  | ug/l | 98     |
| 30) Chloroform                | 7.37 | 83  | 232337  | 19.030  | ug/l | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 208866  | 18.107  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 195966  | 19.287  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 170108  | 18.898  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 101457  | 20.181  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 178411  | 19.675  | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\  
 Data File : VN053676.D  
 Acq On : 8 Feb 2019 12:50  
 Operator : JC/SP  
 Sample : VN0208MBS01  
 Misc : 5.00µL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0208MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 2/11/2019 9:50:16 AM

Quant Time: Feb 09 02:49:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 01 09:11:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 197382   | 18.483  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 542980   | 19.561  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 43364    | 15.433  | ug/l # | 73       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 161934   | 19.647  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 189434   | 19.511  | ug/l   | 97       |
| 44) Trichloroethene            | 8.84  | 130  | 152505   | 19.298  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 141345   | 19.908  | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 83238    | 19.449  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.40  | 83   | 178373   | 20.045  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 81898    | 17.671  | ug/l   | 89       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 25252    | 400.430 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 472961   | 99.133  | ug/l   | 98       |
| 52) Toluene                    | 10.16 | 92   | 326023   | 19.790  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 167871   | 18.839  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 204669   | 19.383  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 122791   | 20.684  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 137191   | 19.535  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 199135   | 19.628  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 336636   | 82.826  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 298011   | 92.011  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 132706   | 19.824  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 112938   | 19.221  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 145753   | 19.735  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 356952   | 19.504  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 129732   | 20.298  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 589327   | 19.603  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 465411   | 40.562  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 224474   | 20.250  | ug/l   | 97       |
| 70) Styrene                    | 11.97 | 104  | 362738   | 20.189  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 89324    | 20.385  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 592899   | 20.236  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 139083   | 19.741  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 136735   | 19.500  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 103439m  | 19.323  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 157509   | 19.947  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 687670   | 20.303  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 408033   | 20.306  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 507790   | 20.900  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 34272    | 18.002  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 414863   | 20.120  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 447902   | 20.859  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 522840   | 21.122  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 618692   | 21.173  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 537429   | 21.029  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 276061   | 19.448  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 271919   | 19.366  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.62 | 91   | 450490   | 20.365  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 88065    | 20.891  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 270807   | 19.928  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 19498    | 19.511  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\  
Data File : VN053676.D  
Acq On : 8 Feb 2019 12:50  
Operator : JC/SP  
Sample : VN0208MBS01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

Manual Integrations  
APPROVED

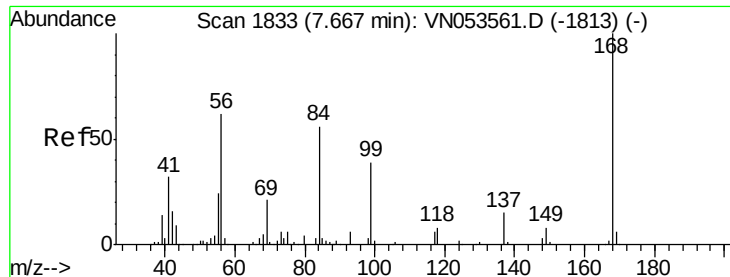
MMDadoda  
2/11/2019 9:50:16 AM

Quant Time: Feb 09 02:49:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 01 09:11:52 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 144559   | 18.548 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 103935   | 21.414 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 278643   | 16.427 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 136892   | 18.929 | 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: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

ClientSampled :

VN0208MBS01

Tot Ion:168 Resp: 675895

Ion Ratio Lower Upper

168 100

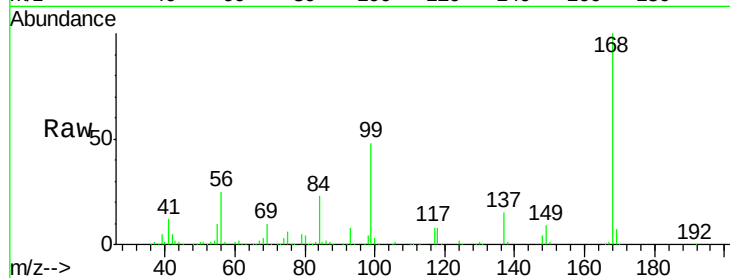
99 47.7 39.1 58.7

Manual Integrations

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2/11/2019 9:50:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

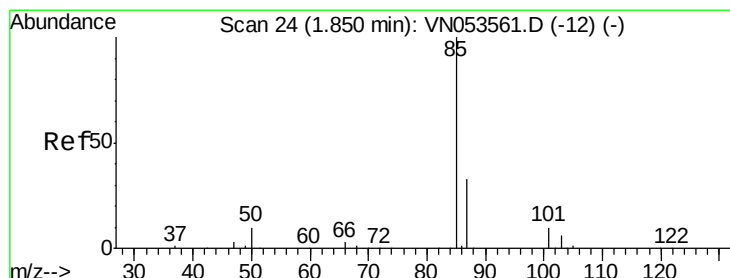
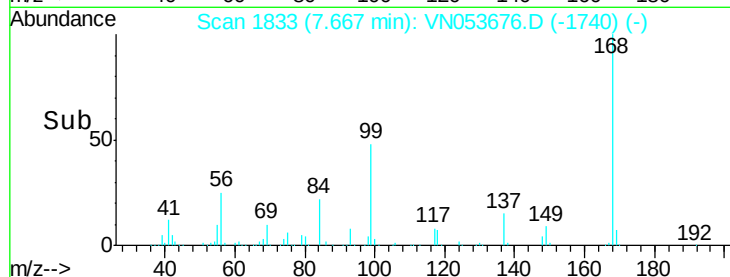
100000

50000

0

7.60 7.80 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.698 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053676.D

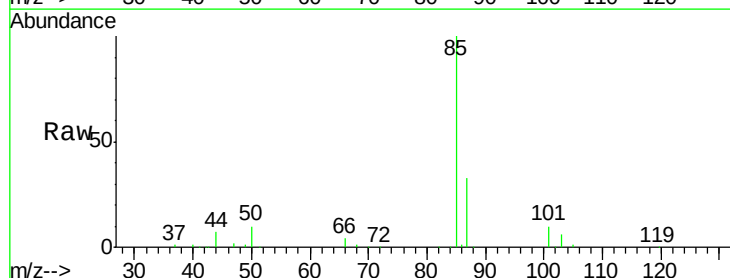
Acq: 8 Feb 2019 12:50

Tgt Ion: 85 Resp: 140854

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

120000

100000

80000

60000

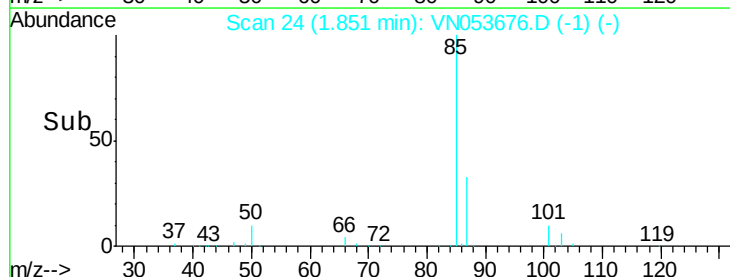
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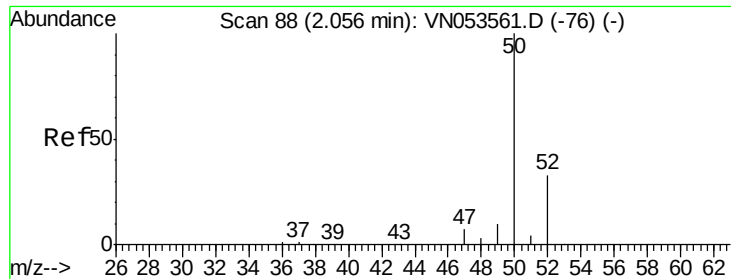
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.356 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0208MBS01

Tot Ion: 50 Resp: 147289

Ion Ratio Lower Upper

50 100

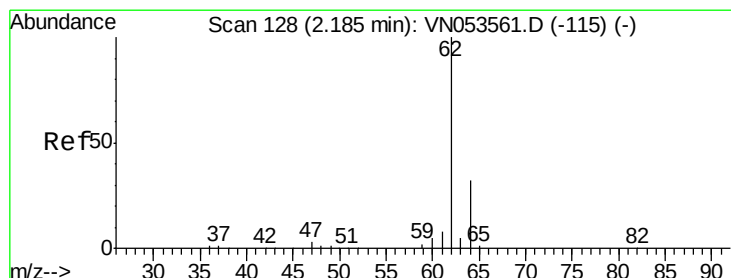
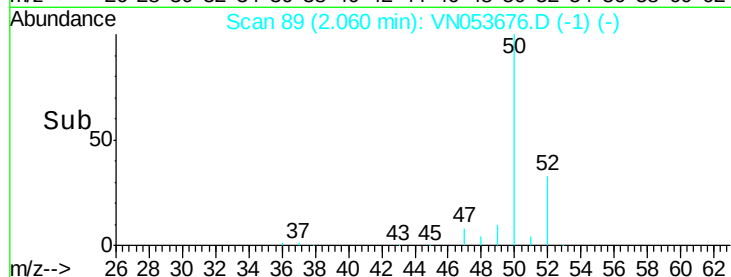
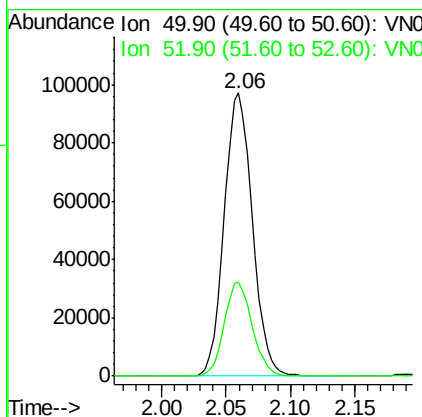
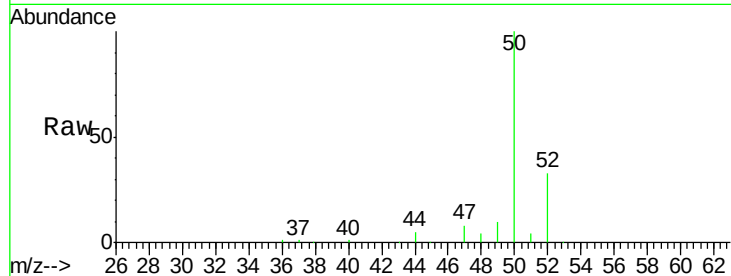
52 33.2 26.6 40.0

Manual Integrations

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2/11/2019 9:50:16 AM



#4

Vinyl Chloride

Concen: 18.683 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053676.D

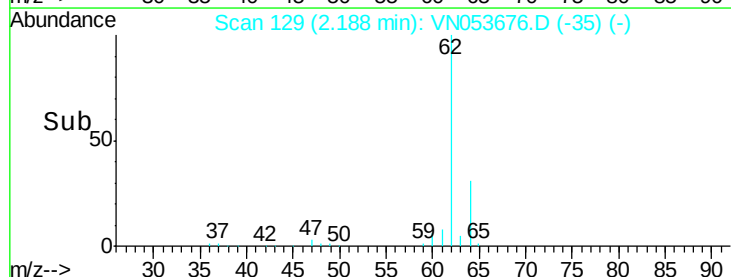
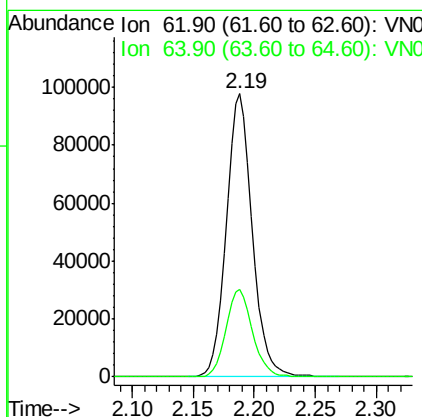
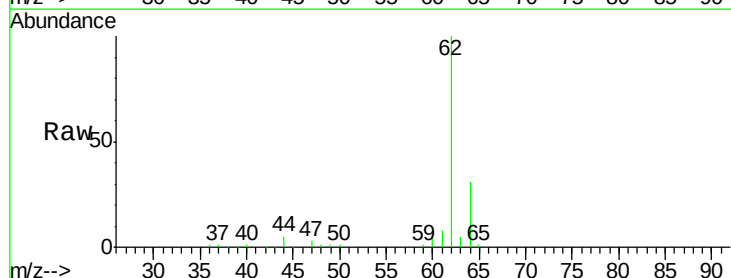
Acq: 8 Feb 2019 12:50

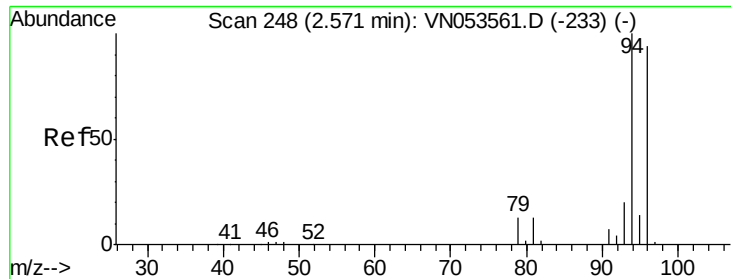
Tgt Ion: 62 Resp: 145534

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.2





#5

Bromomethane

Concen: 20.951 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0208MBS01

Tot Ion: 94 Resp: 106705

Ion Ratio Lower Upper

94 100

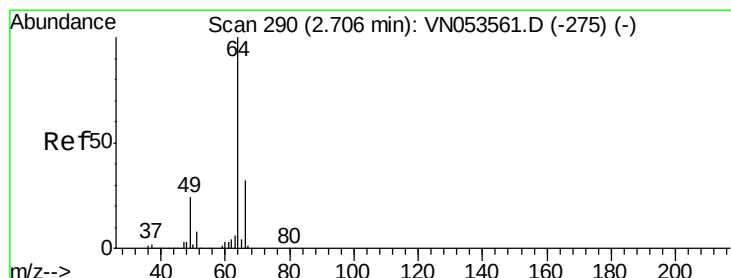
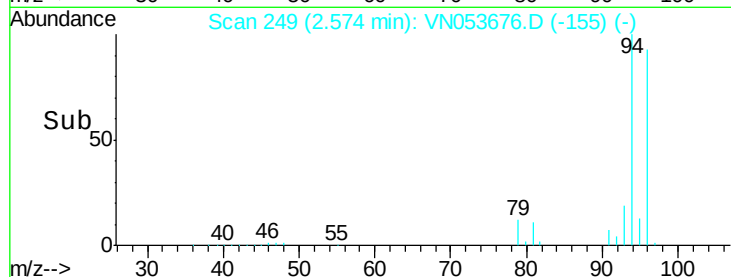
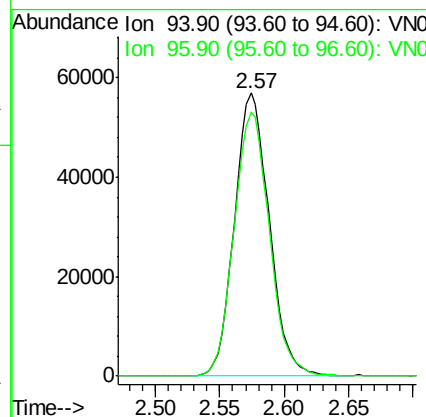
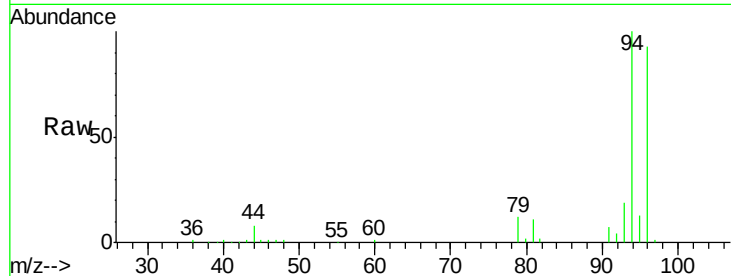
96 93.1 76.8 115.2

Manual Integrations

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2/11/2019 9:50:16 AM



#6

Chloroethane

Concen: 21.584 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053676.D

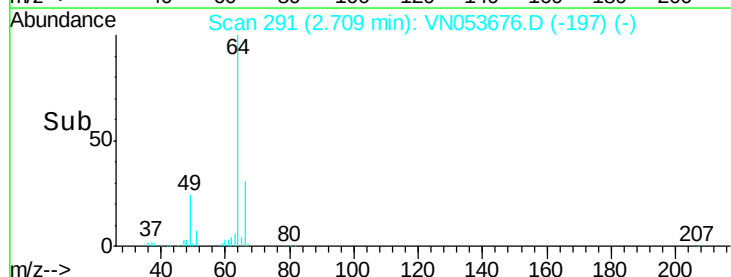
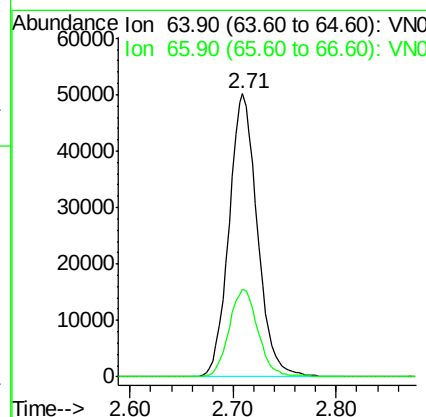
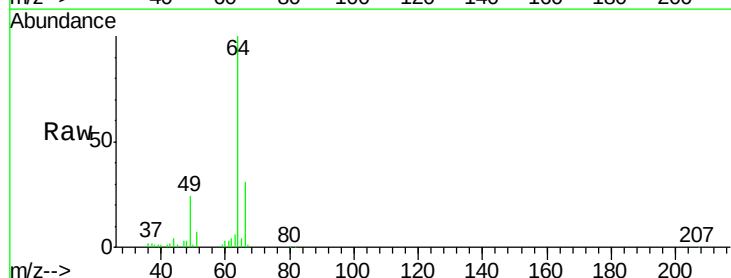
Acq: 8 Feb 2019 12:50

Tgt Ion: 64 Resp: 96079

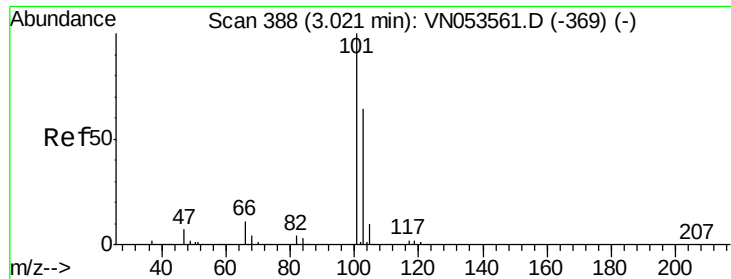
Ion Ratio Lower Upper

64 100

66 30.8 25.1 37.7







#7

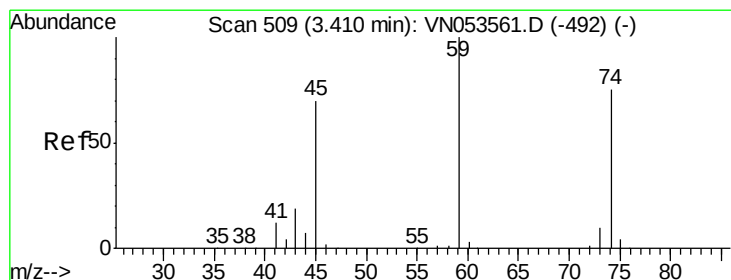
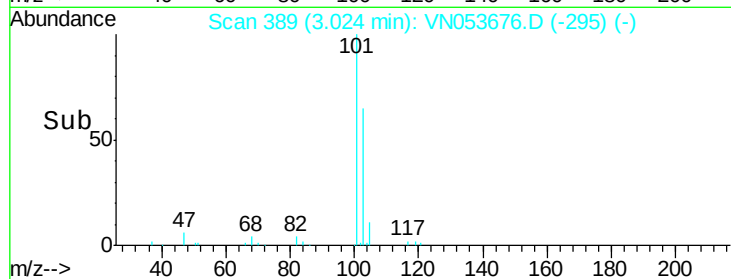
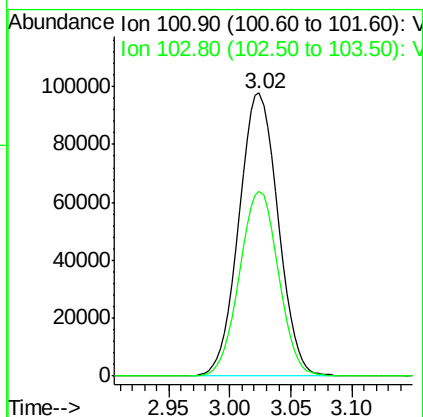
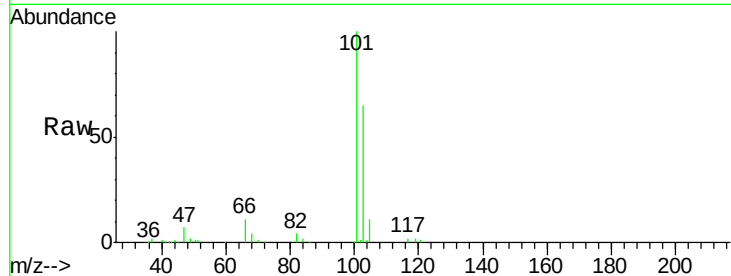
Trichlorofluoromethane  
Concen: 20.580 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.5  | 51.6  | 77.4  |

Manual Integrations  
APPROVED

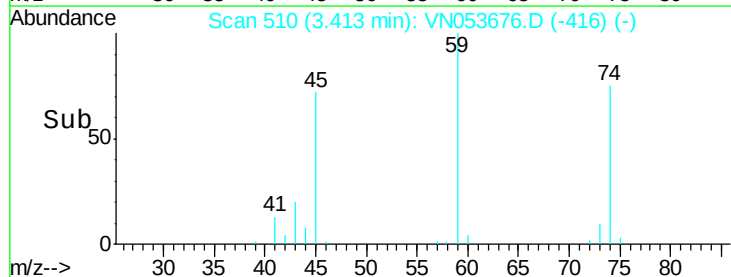
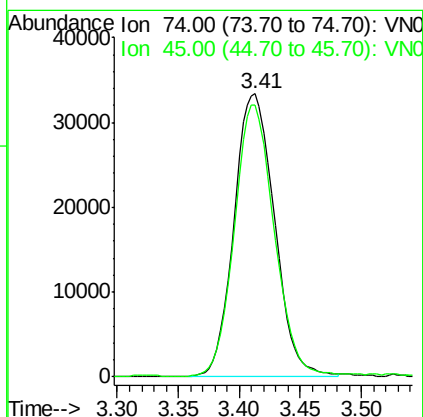
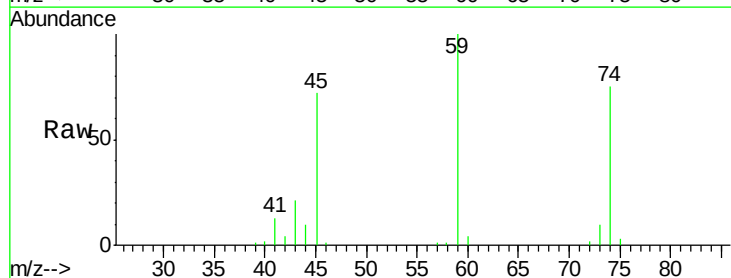
MMDadoda  
2/11/2019 9:50:16 AM



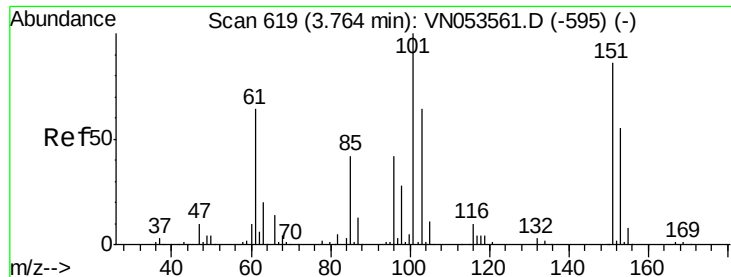
#8

Diethyl Ether  
Concen: 19.883 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.7  | 47.9  | 143.7 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.001 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

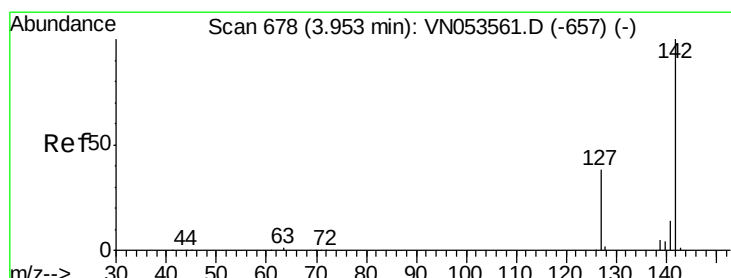
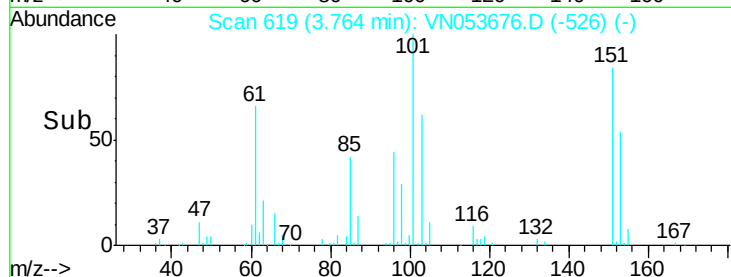
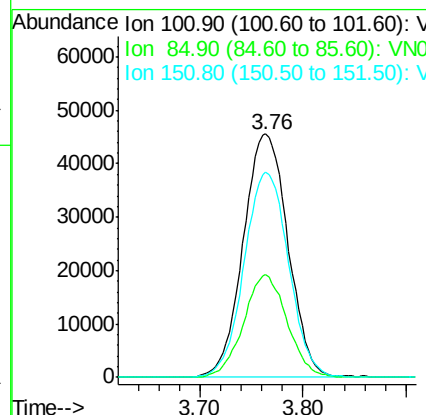
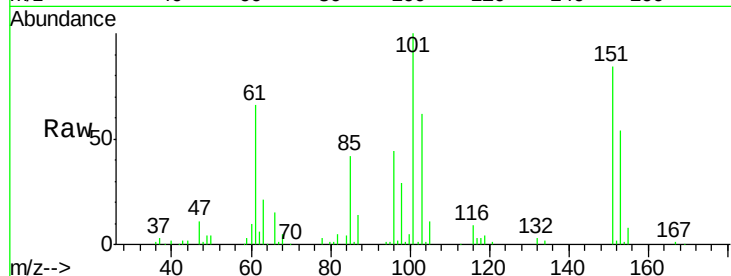
ClientSampleId :

VN0208MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 137198 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.0  | 32.8  | 49.2   |
| 151       | 84.0  | 66.9  | 100.3  |

Manual Integrations  
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MMDadoda  
2/11/2019 9:50:16 AM



#10

Methyl Iodide

Concen: 18.638 ug/l

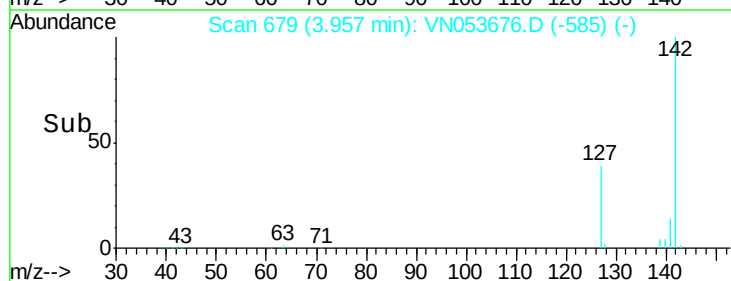
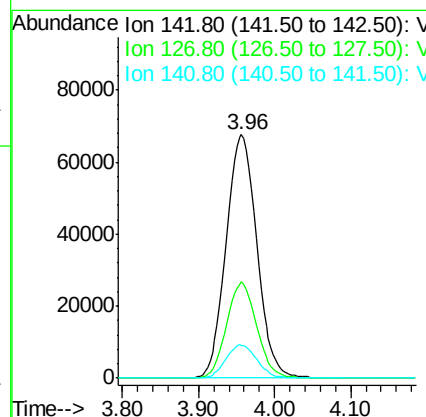
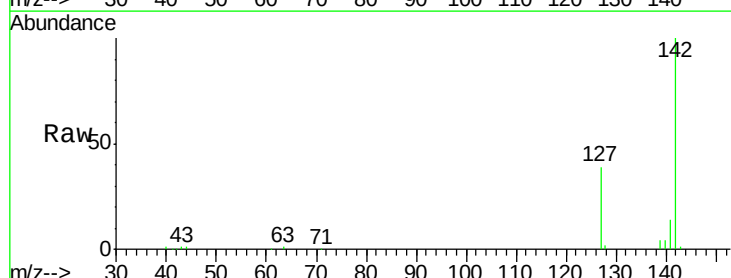
RT: 3.96 min Scan# 679

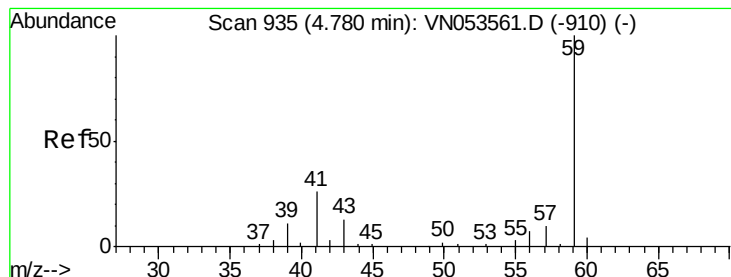
Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 191106 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.5  | 31.0  | 46.4   |
| 141       | 13.7  | 11.1  | 16.7   |





#11

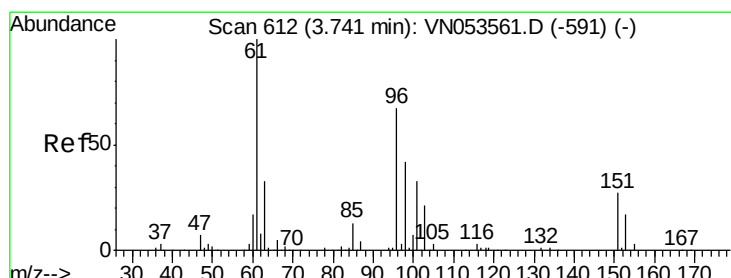
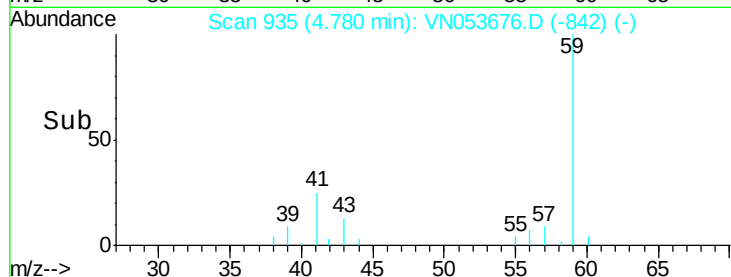
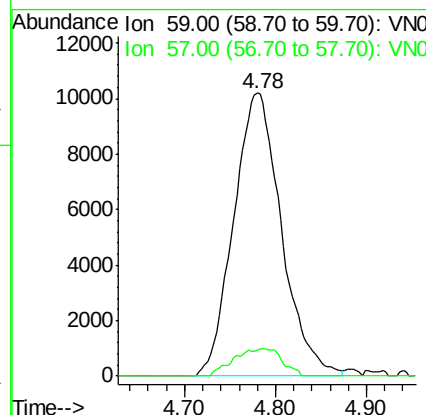
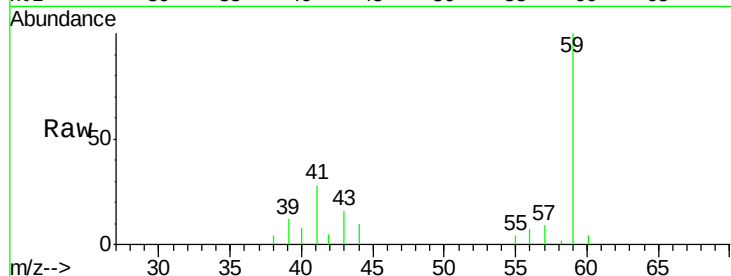
Tert butyl alcohol  
 Concen: 92.582 ug/l  
 RT: 4.78 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0208MBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 59      | 100   | 37152 |       |       |
| 57      | 9.7   |       | 8.2   | 12.4  |

Manual Integrations  
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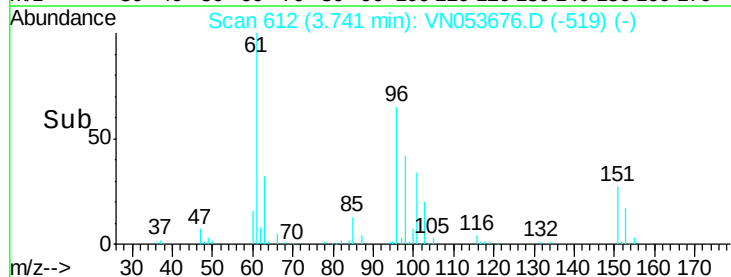
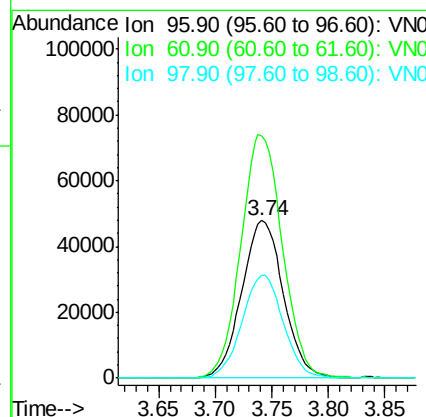
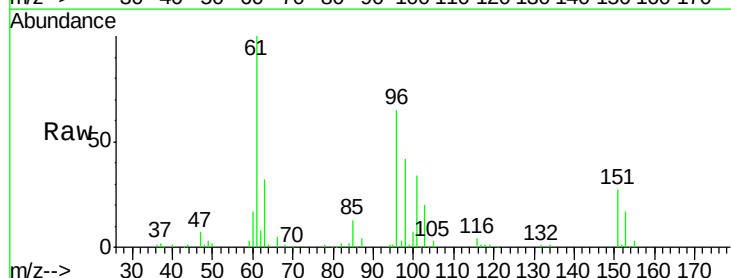
MMDadoda  
 2/11/2019 9:50:16 AM

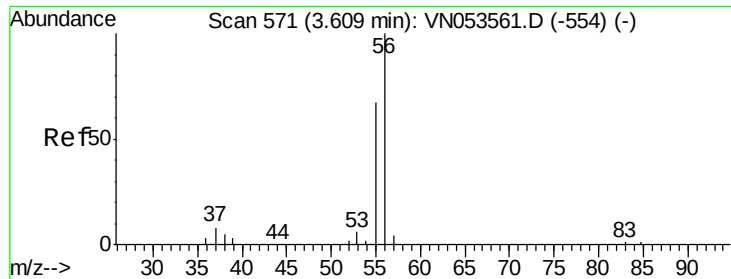


#12

1,1-Dichloroethene  
 Concen: 19.625 ug/l  
 RT: 3.74 min Scan# 612  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 122831 |       |       |
| 61      | 153.6 |        | 122.9 | 184.3 |
| 98      | 64.8  |        | 49.4  | 74.0  |





#13

Acrolein

Concen: 87.924 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0208MBS01

Tot Ion: 56 Resp: 19210

Ion Ratio Lower Upper

56 100

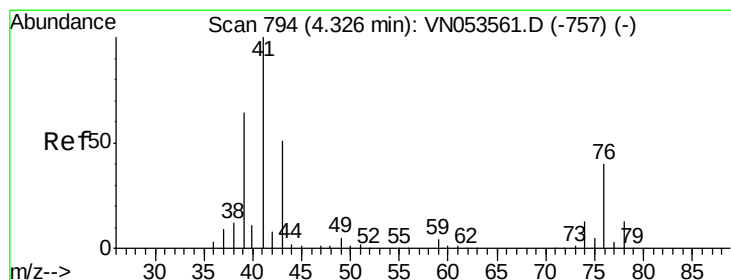
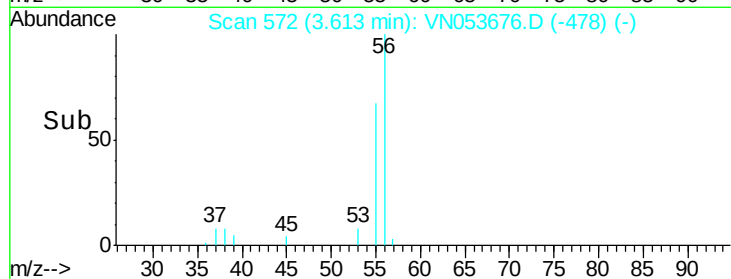
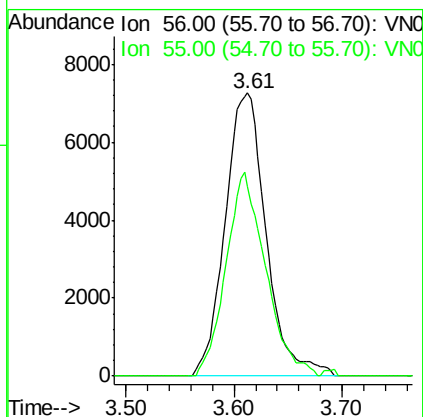
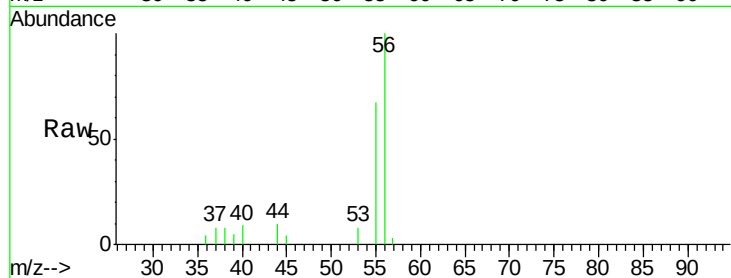
55 69.5 57.4 86.0

Manual Integrations

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2/11/2019 9:50:16 AM



#14

Allyl chloride

Concen: 19.366 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

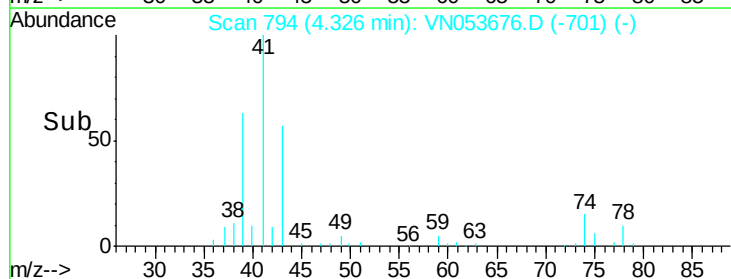
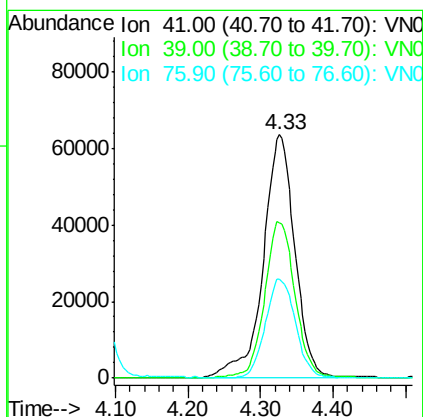
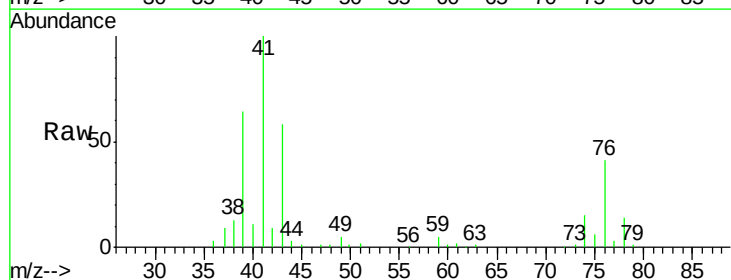
Tgt Ion: 41 Resp: 192995

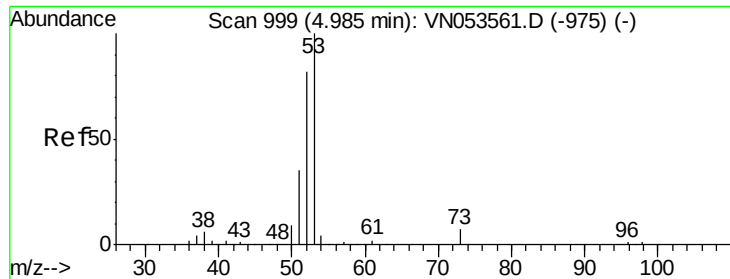
Ion Ratio Lower Upper

41 100

39 61.8 48.9 73.3

76 39.0 29.4 44.2





#15

Acrylonitrile

Concen: 98.848 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

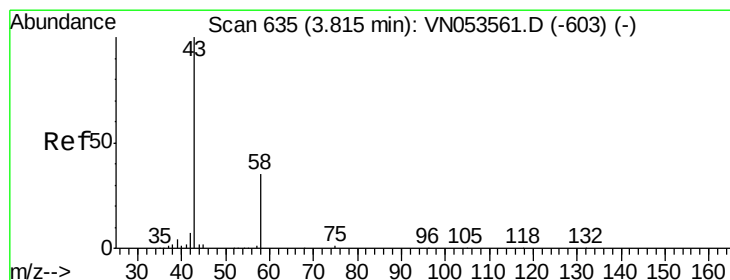
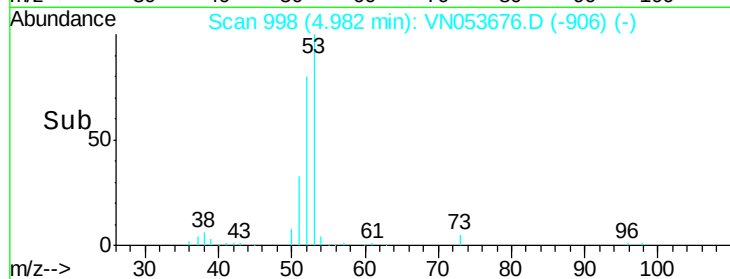
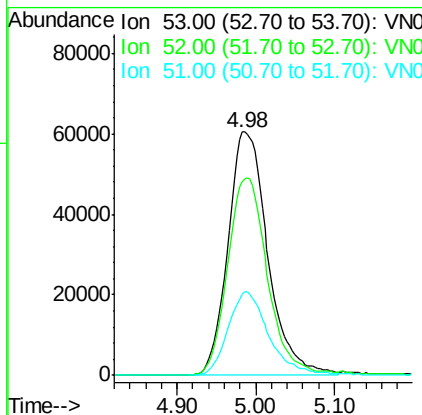
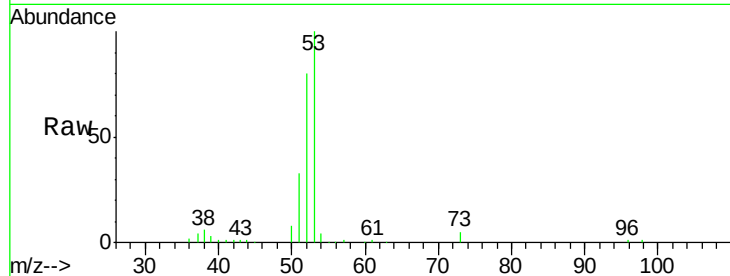
ClientSampleId :

VN0208MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 214141 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 80.5  | 66.0  | 99.0   |
| 51       | 34.9  | 28.3  | 42.5   |

Manual Integrations  
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#16

Acetone

Concen: 101.226 ug/l

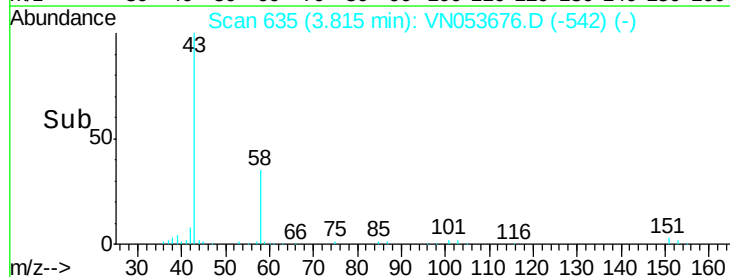
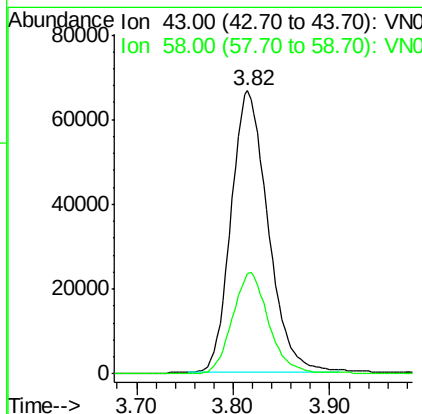
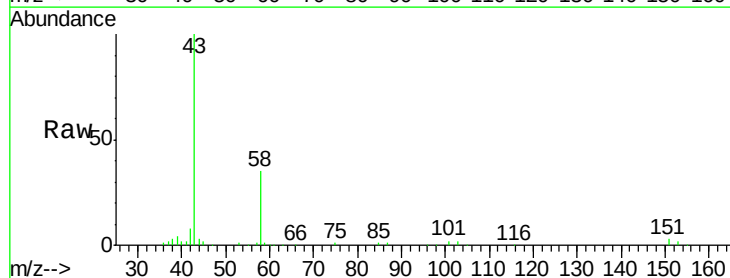
RT: 3.82 min Scan# 635

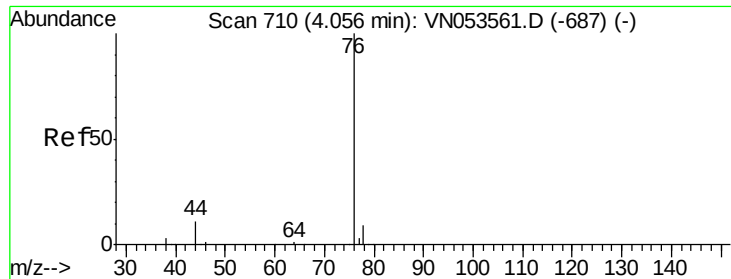
Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 176054 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 35.6  | 27.1  | 40.7   |





#17

Carbon Disulfide

Concen: 17.891 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

ClientSampled :

VN0208MBS01

Tot Ion: 76 Resp: 348677

Ion Ratio Lower Upper

76 100

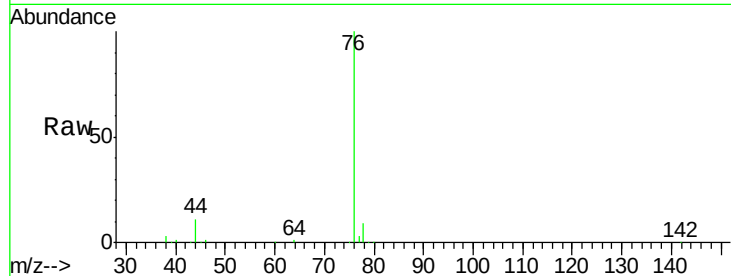
78 9.2 7.3 10.9

Manual Integrations

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2/11/2019 9:50:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VN053561.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN053561.D (-687) (-)

4.06

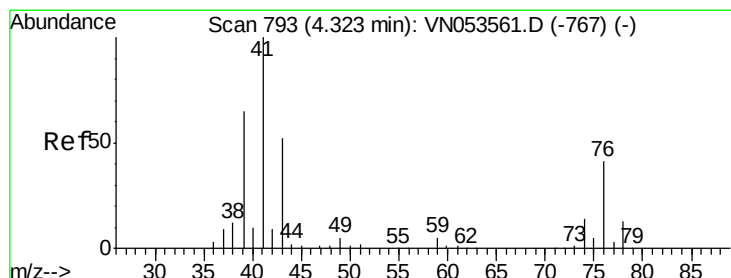
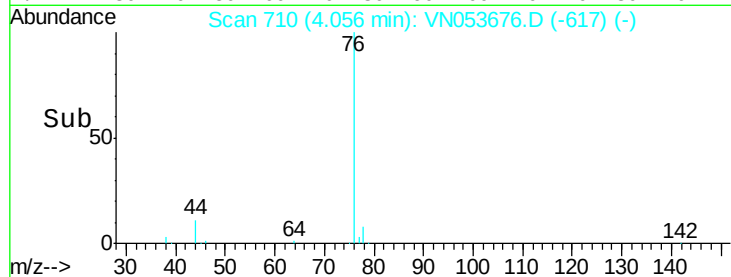
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.134 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053676.D

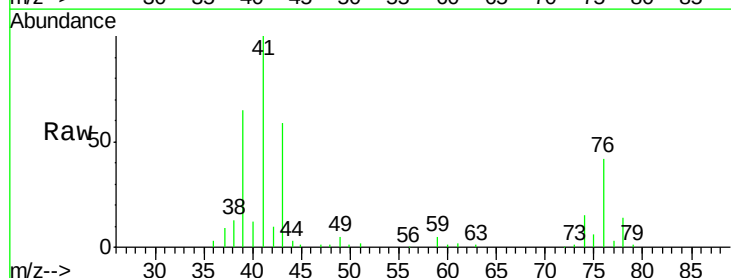
Acq: 8 Feb 2019 12:50

Tgt Ion: 43 Resp: 108858

Ion Ratio Lower Upper

43 100

74 25.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-767) (-)

Ion 74.00 (73.70 to 74.70): VN053561.D (-767) (-)

4.32

40000

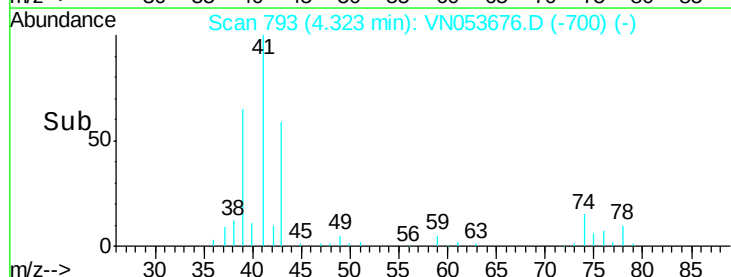
30000

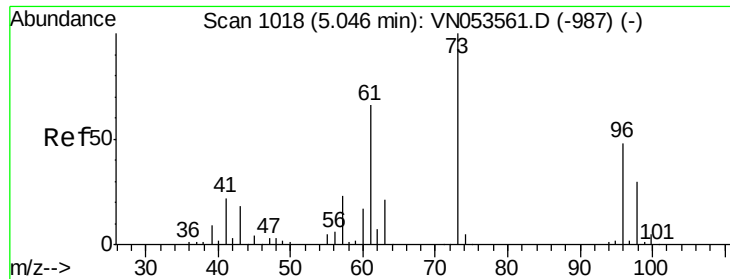
20000

10000

0

Time-->





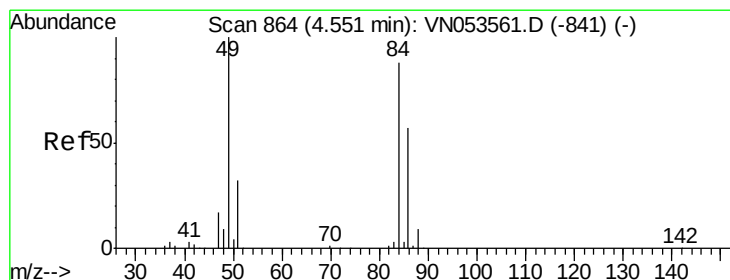
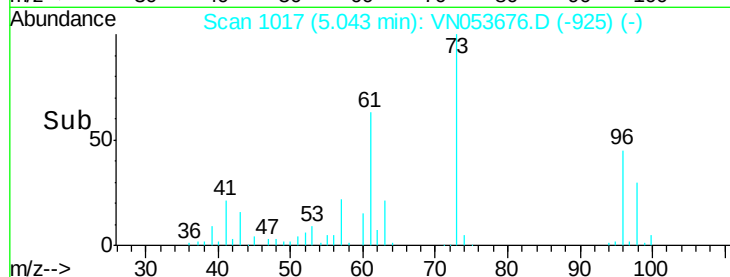
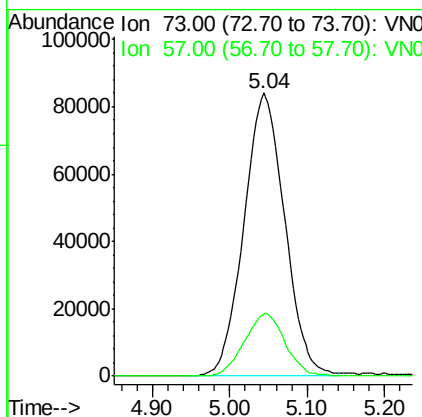
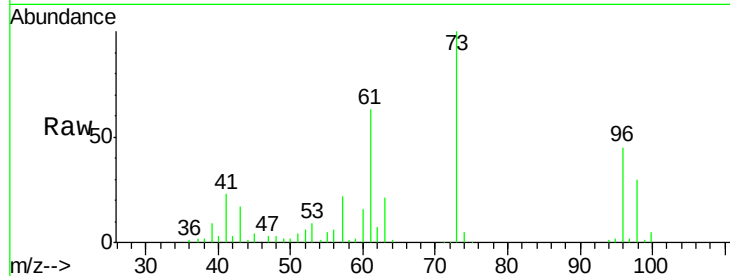
#19  
Methyl tert-butyl Ether  
Concen: 19.460 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

Tot Ion: 73 Resp: 308766  
Ion Ratio Lower Upper  
73 100  
57 22.1 18.3 27.5

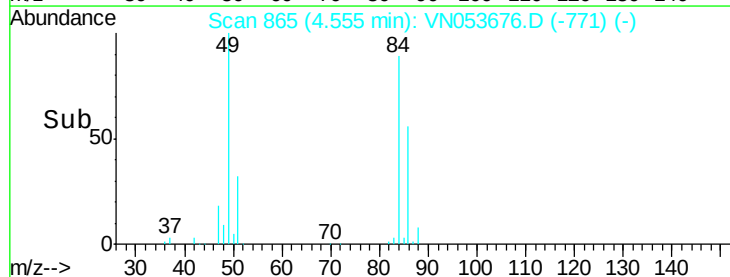
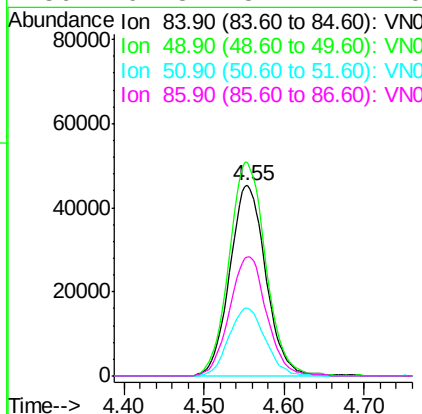
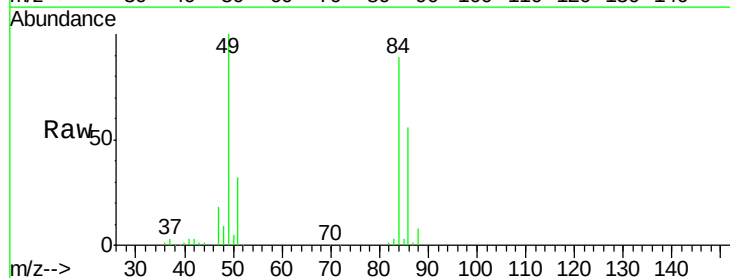
Manual Integrations  
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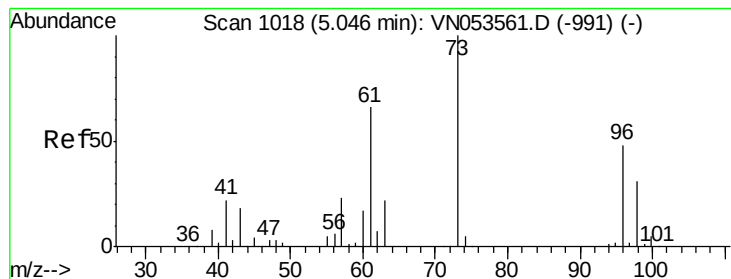
MMDadoda  
2/11/2019 9:50:16 AM



#20  
Methylene Chloride  
Concen: 18.995 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Tgt Ion: 84 Resp: 138599  
Ion Ratio Lower Upper  
84 100  
49 112.1 94.3 141.5  
51 35.9 29.4 44.2  
86 62.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.447 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

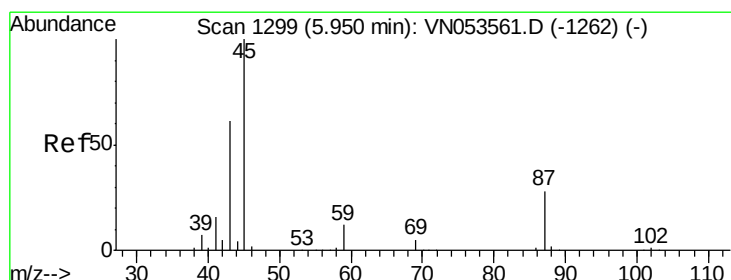
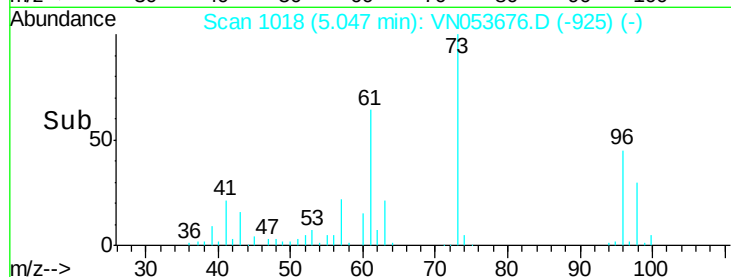
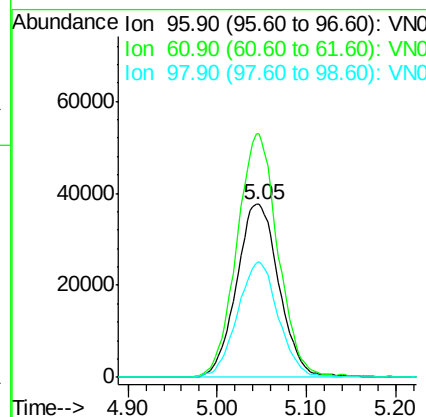
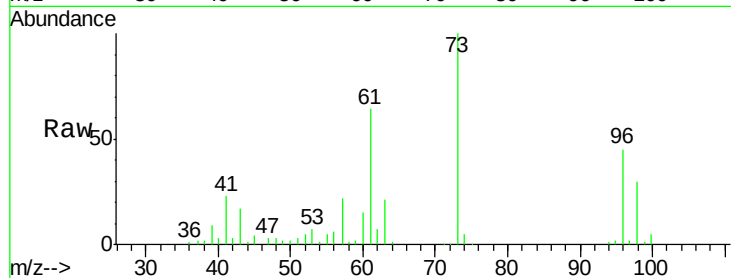
ClientSampleId :

VN0208MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 124566 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 140.4 | 110.1 | 165.1  |
| 98       | 66.6  | 50.0  | 75.0   |

Manual Integrations  
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2/11/2019 9:50:16 AM



#22

Diisopropyl ether

Concen: 19.026 ug/l

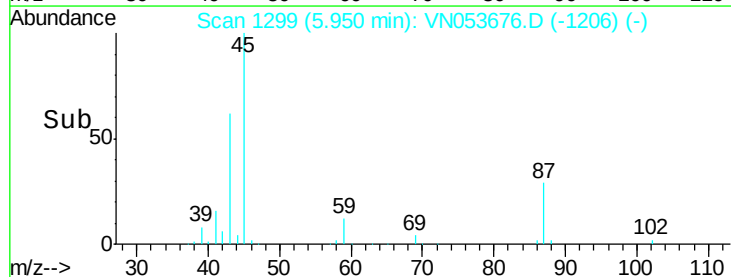
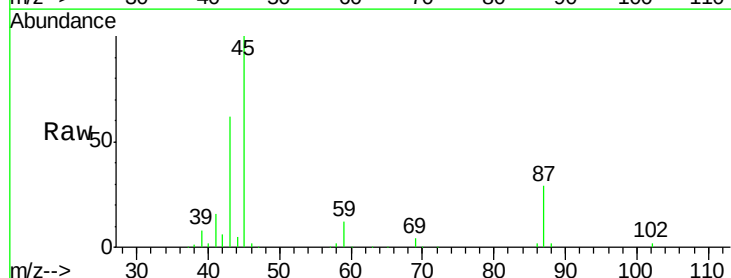
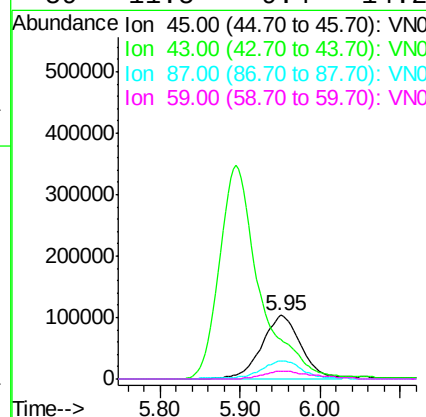
RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

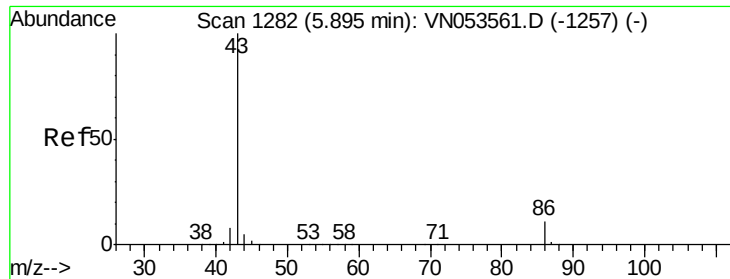
Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 351329 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 57.0  | 44.2  | 66.4   |
| 87       | 28.5  | 22.7  | 34.1   |
| 59       | 11.5  | 9.4   | 14.2   |







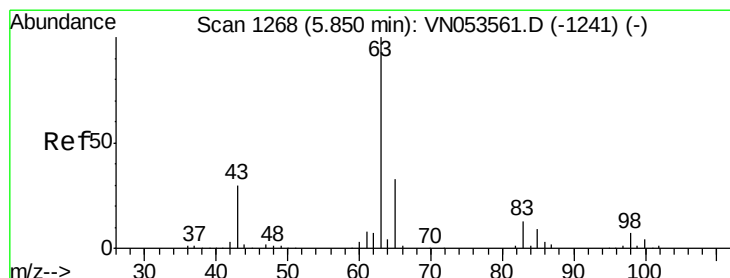
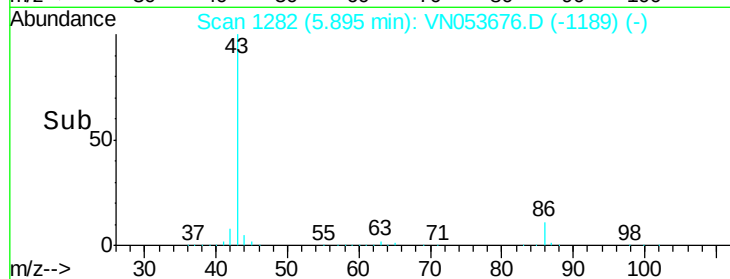
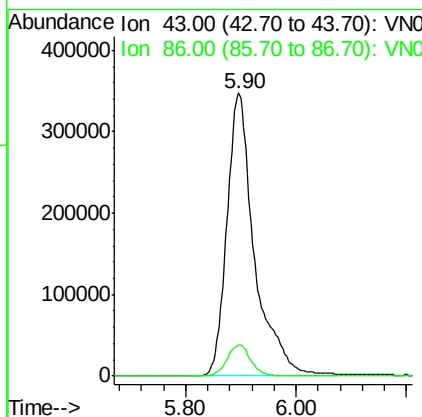
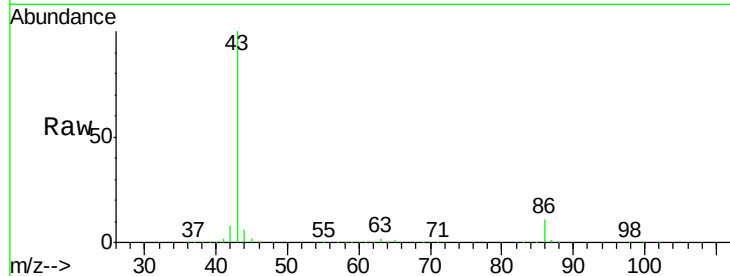
#23  
 Vinyl Acetate  
 Concen: 94.532 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0208MBS01

Tot Ion: 43 Resp: 1207560  
 Ion Ratio Lower Upper  
 43 100  
 86 10.9 8.4 12.6

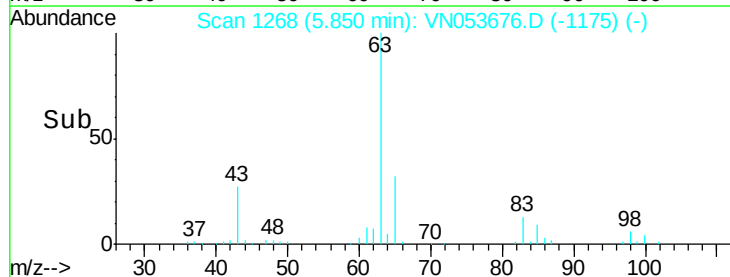
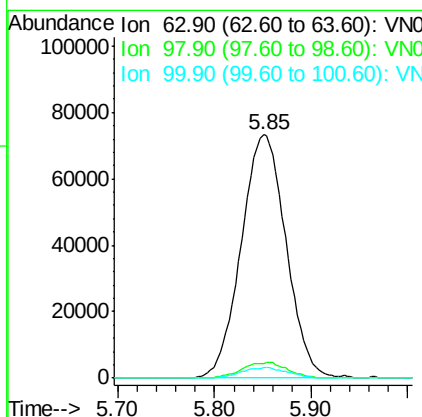
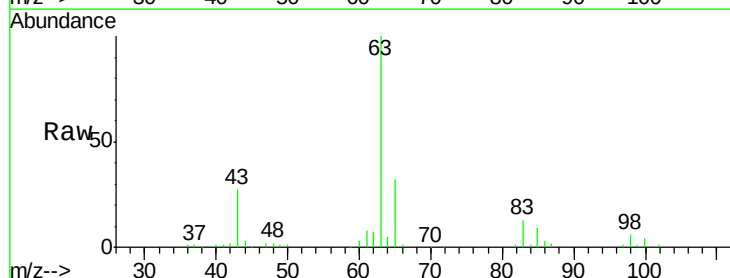
Manual Integrations  
 APPROVED

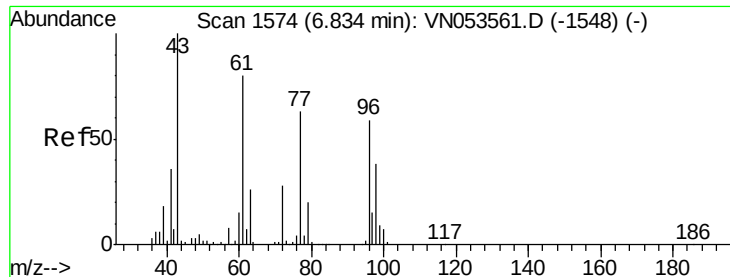
MMDadoda  
 2/11/2019 9:50:16 AM



#24  
 1,1-Dichloroethane  
 Concen: 19.147 ug/l  
 RT: 5.85 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

Tgt Ion: 63 Resp: 235816  
 Ion Ratio Lower Upper  
 63 100  
 98 6.1 3.3 9.9  
 100 4.3 2.1 6.5





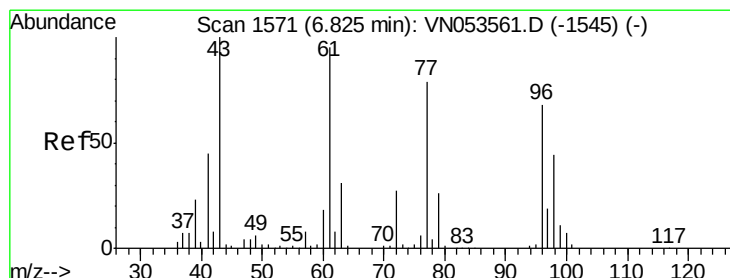
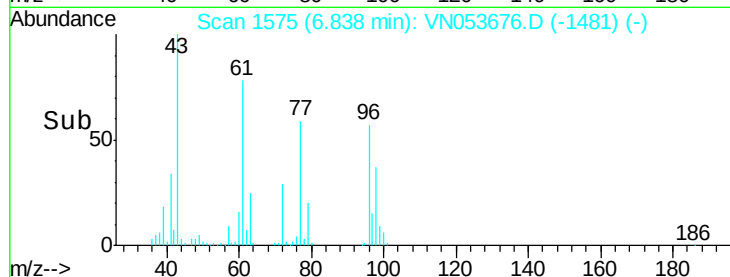
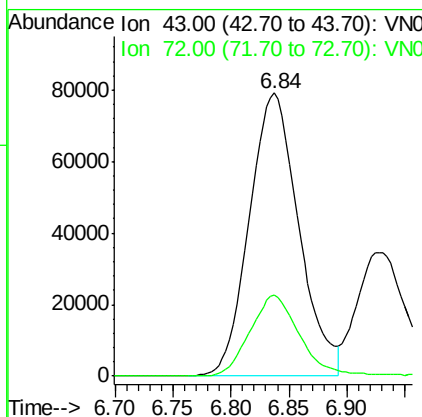
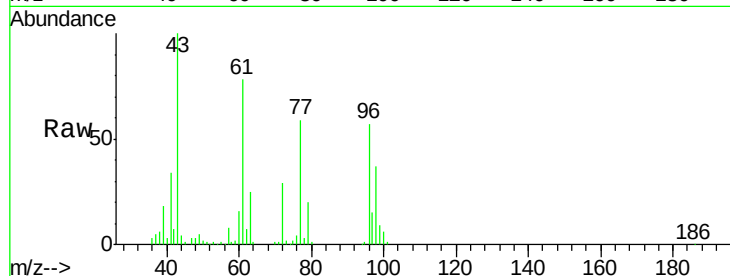
#25  
2-Butanone  
Concen: 94.763 ug/l  
RT: 6.84 min Scan# 1575  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

Tot Ion: 43 Resp: 235061  
Ion Ratio Lower Upper  
43 100  
72 28.7 22.0 33.0

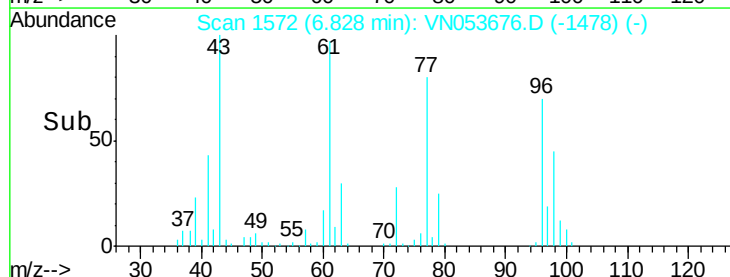
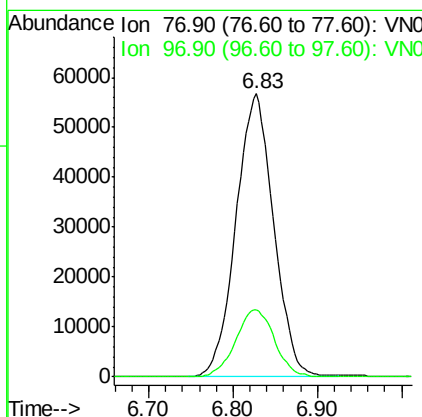
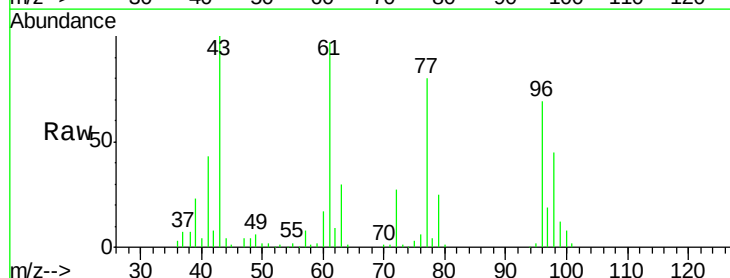
Manual Integrations  
APPROVED

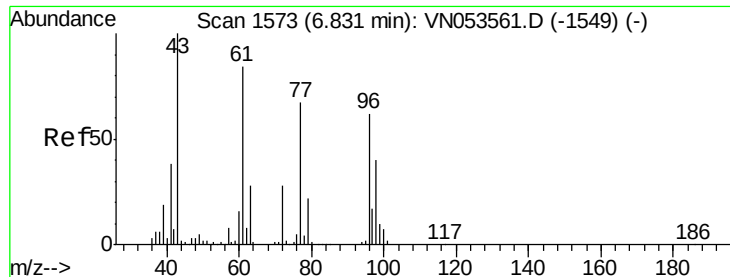
MMDadoda  
2/11/2019 9:50:16 AM



#26  
2,2-Dichloropropane  
Concen: 18.737 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Tgt Ion: 77 Resp: 176163  
Ion Ratio Lower Upper  
77 100  
97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.306 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

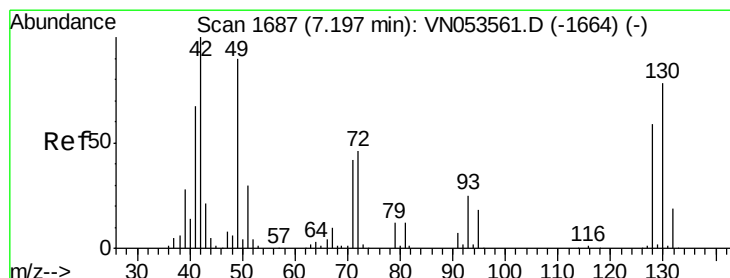
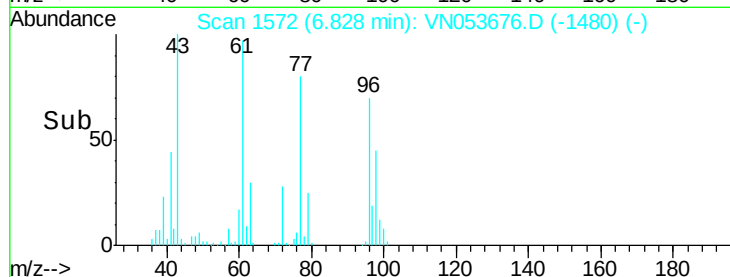
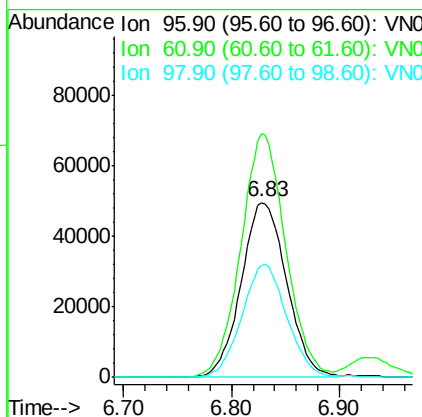
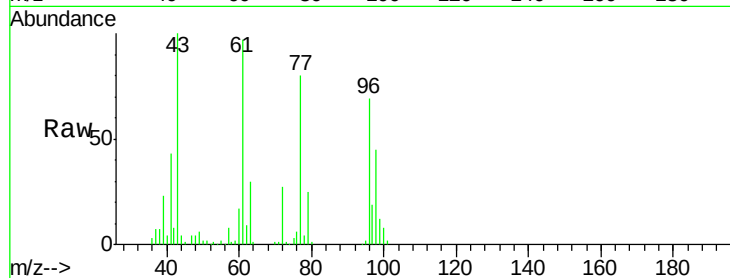
ClientSampleId :

VN0208MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 144962 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 137.6 | 0.0   | 283.8  |
| 98       | 64.5  | 0.0   | 129.2  |

Manual Integrations  
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2/11/2019 9:50:16 AM



#28

Bromochloromethane

Concen: 19.398 ug/l

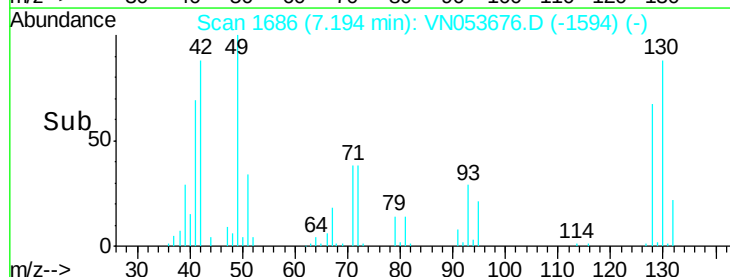
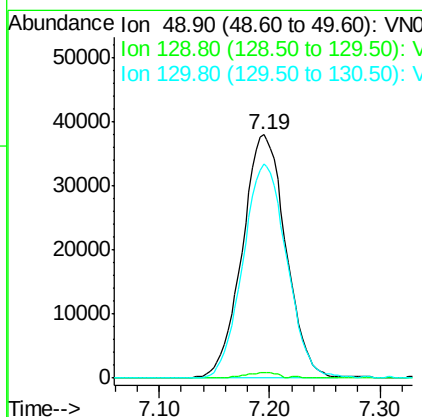
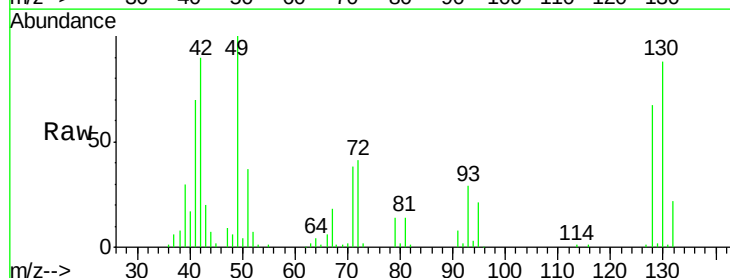
RT: 7.19 min Scan# 1686

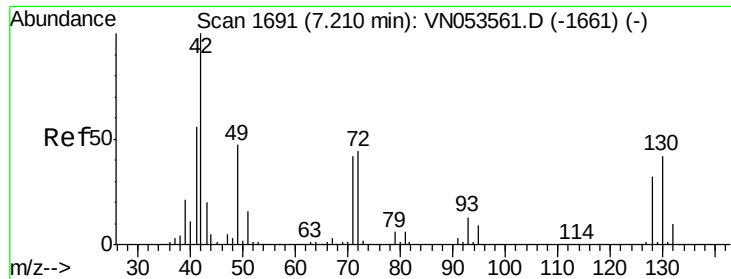
Delta R.T. -0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 103679 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 1.7   | 0.0   | 4.0    |
| 130      | 88.6  | 66.3  | 99.5   |





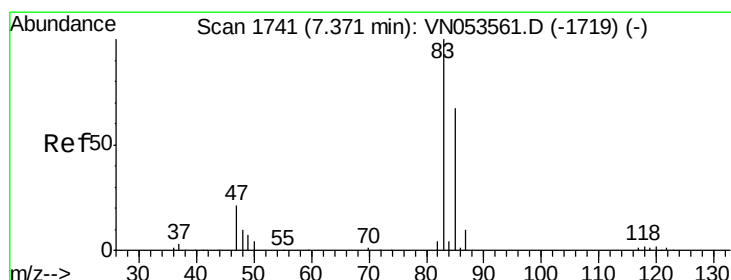
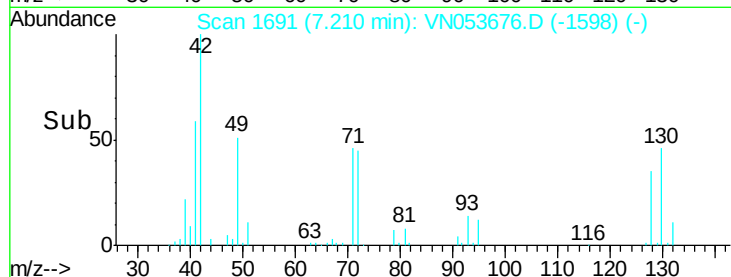
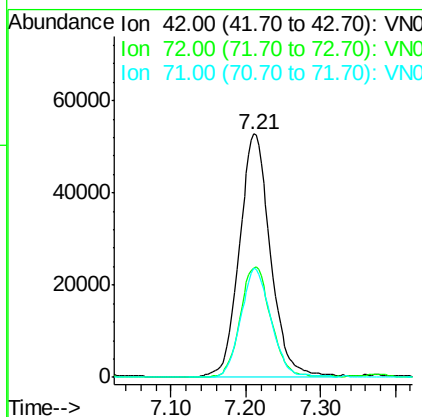
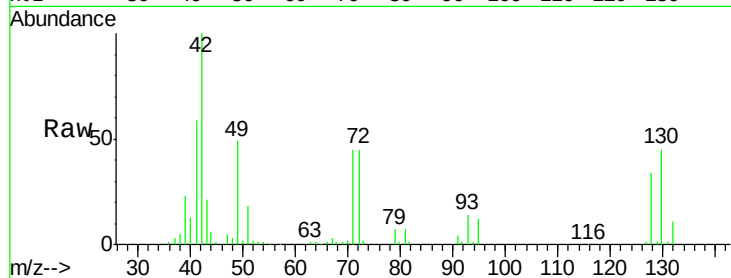
#29  
Tetrahydrofuran  
Concen: 95.945 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.1  | 35.2  | 52.8  |
| 71      | 43.2  | 33.0  | 49.4  |

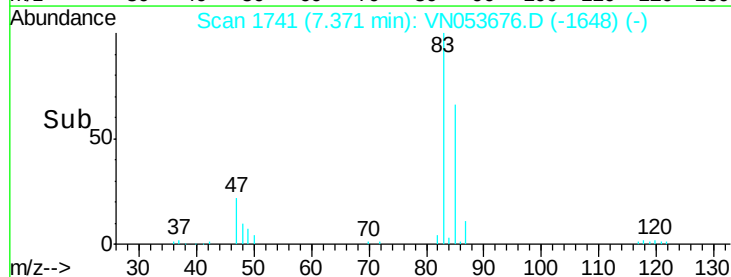
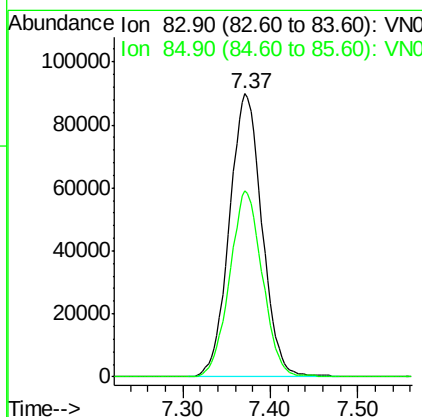
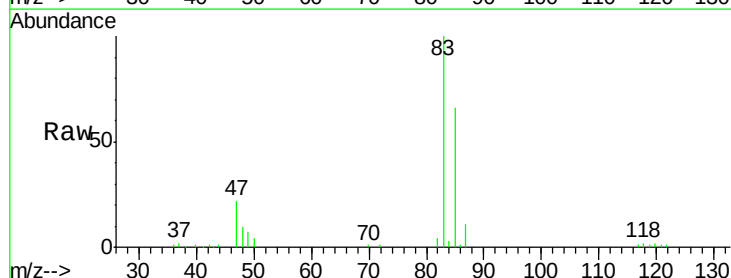
Manual Integrations  
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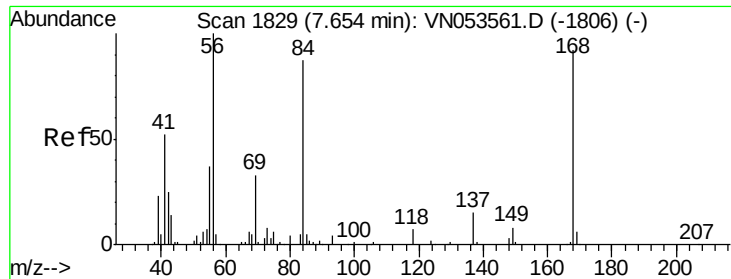
MMDadoda  
2/11/2019 9:50:16 AM



#30  
Chloroform  
Concen: 19.030 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.7  | 52.2  | 78.2  |





#31

Cyclohexane

Concen: 18.107 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

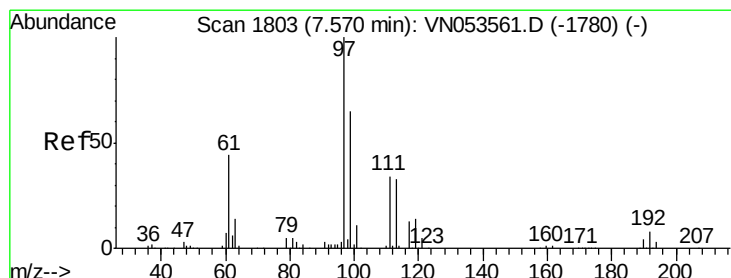
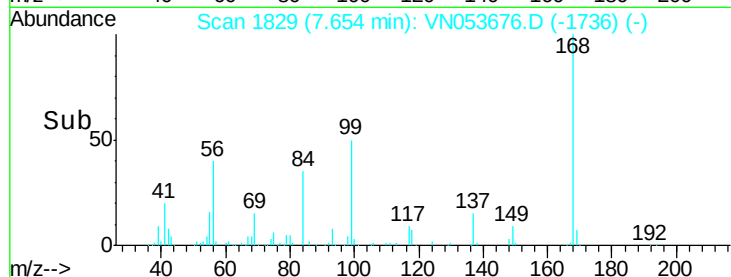
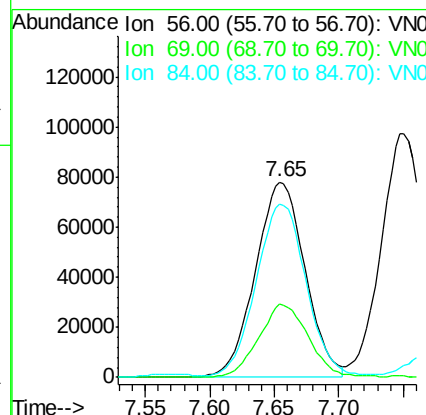
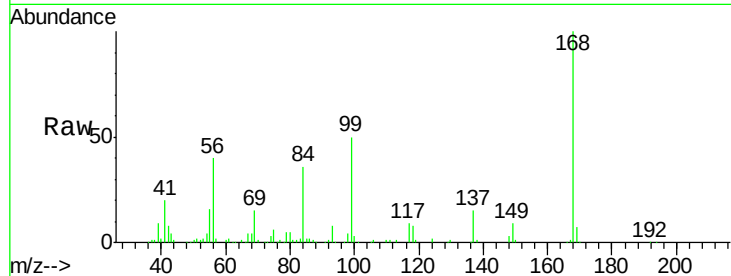
ClientSampled :

VN0208MBS01

| Tot Ion   | 56    | Resp  | 208866 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 37.5  | 26.4  | 39.6   |
| 84        | 87.4  | 67.9  | 101.9  |

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2/11/2019 9:50:16 AM



#32

1,1,1-Trichloroethane

Concen: 19.287 ug/l

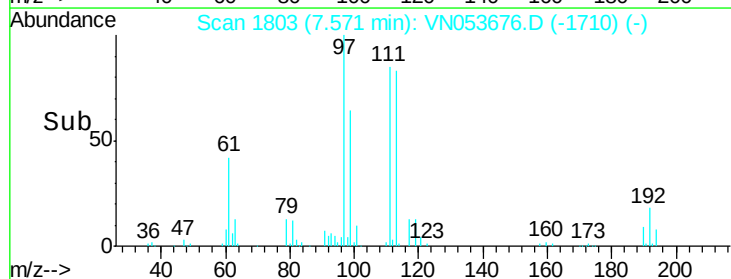
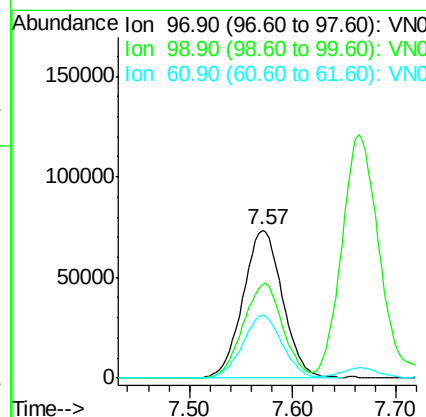
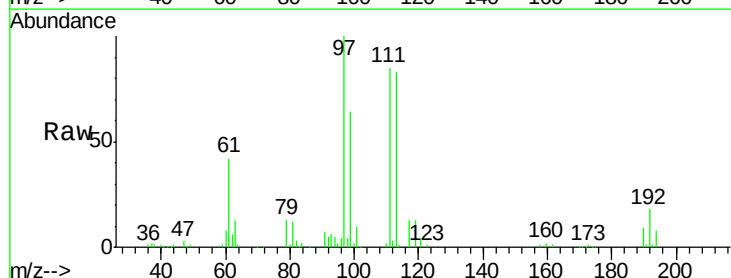
RT: 7.57 min Scan# 1803

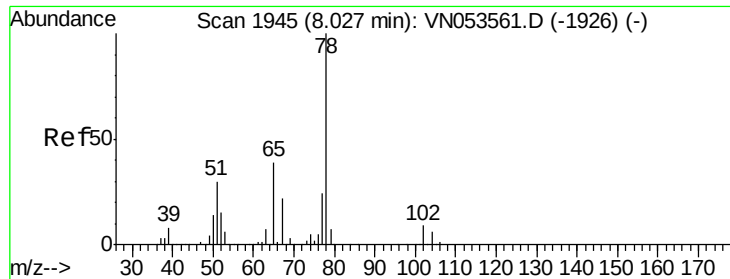
Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

| Tgt Ion   | 97    | Resp  | 195966 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.1  | 52.0  | 78.0   |
| 61        | 42.4  | 34.4  | 51.6   |





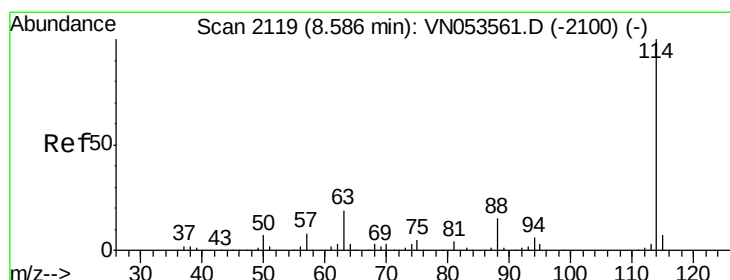
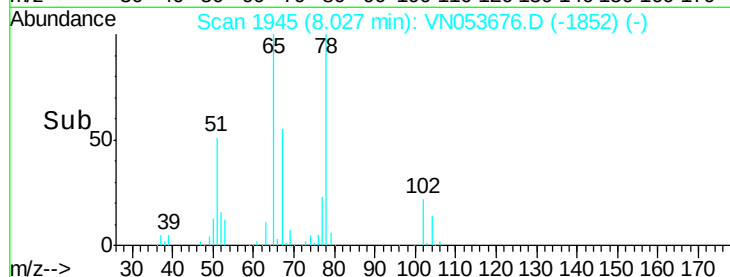
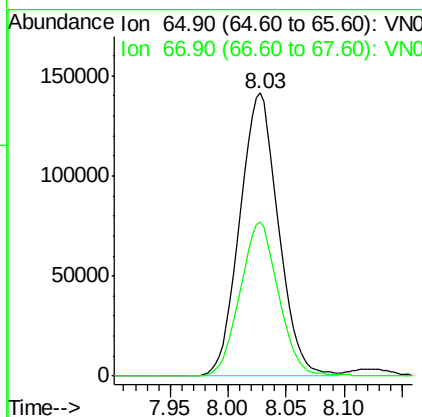
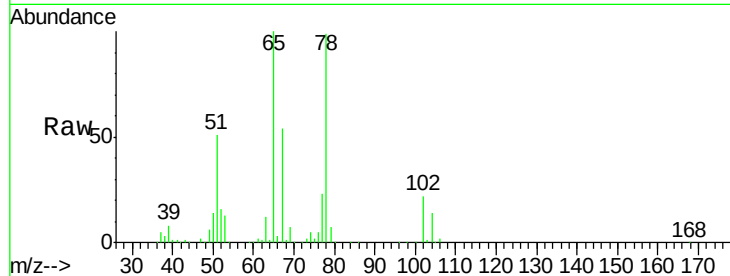
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.448 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0208MBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 54.3  | 0.0  |       | 111.2 |

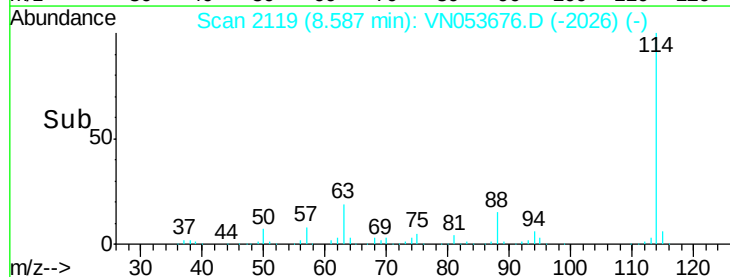
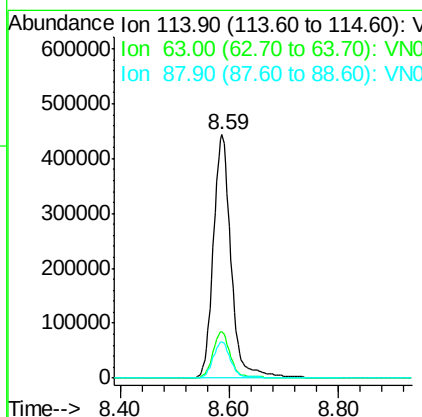
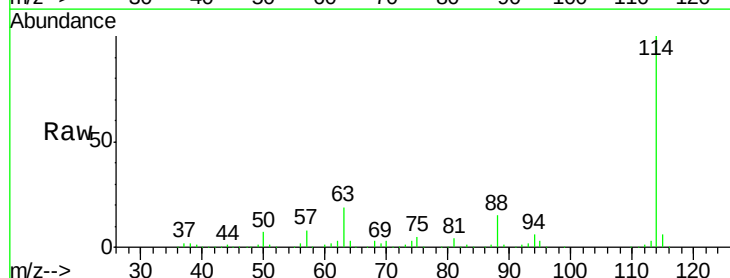
Manual Integrations  
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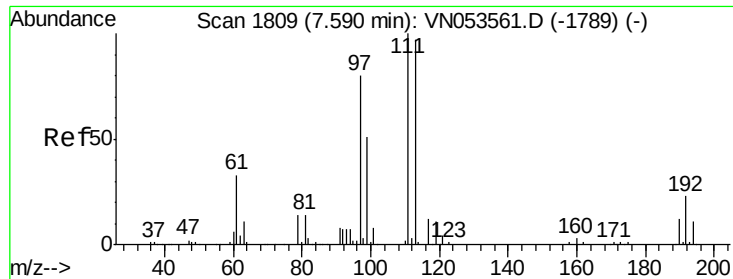
MMDadoda  
 2/11/2019 9:50:16 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 19.1  | 0.0  |       | 38.6  |
| 88      | 14.9  | 0.0  |       | 30.4  |





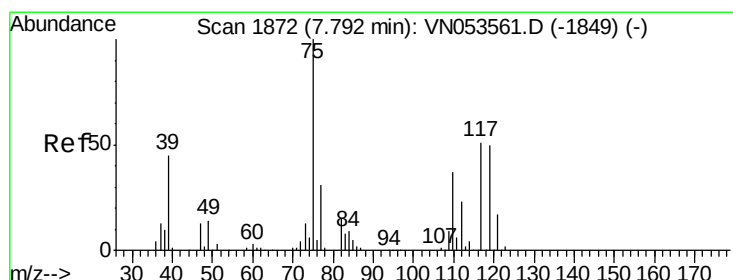
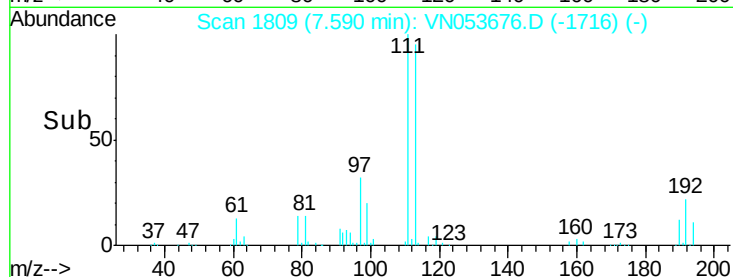
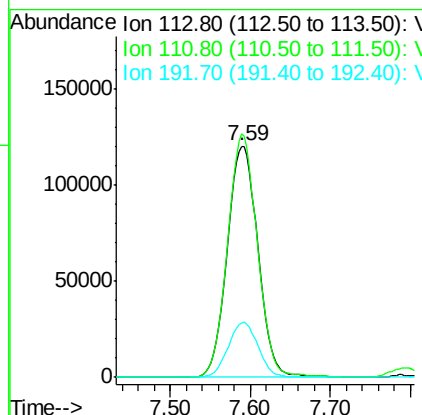
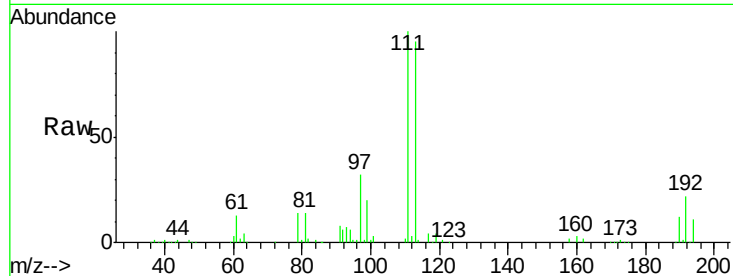
#35  
 Dibromofluoromethane  
 Concen: 49.928 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0208MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 315027 |       |       |
| 111     | 101.7 | 81.1   | 121.7 |       |
| 192     | 23.3  | 18.2   | 27.2  |       |

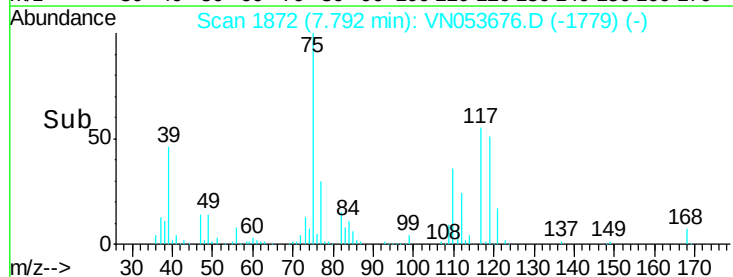
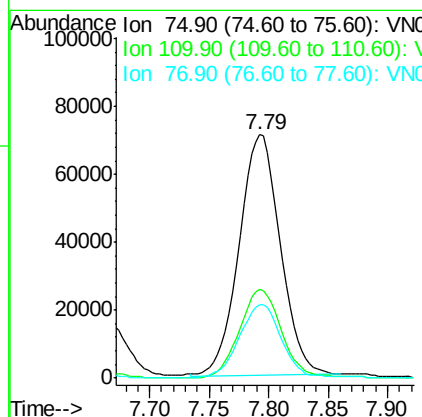
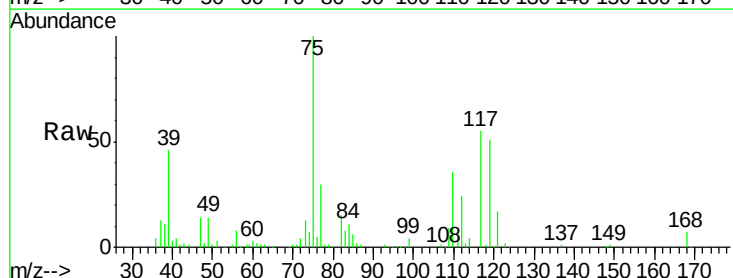
Manual Integrations  
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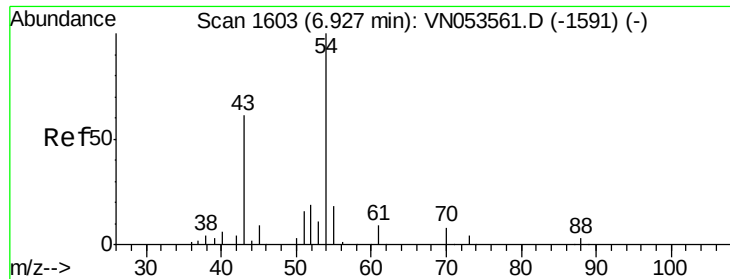
MMDadoda  
 2/11/2019 9:50:16 AM



#36  
 1,1-Dichloropropene  
 Concen: 18.898 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 170108 |       |       |
| 110     | 37.7  | 18.1   | 54.3  |       |
| 77      | 31.3  | 25.1   | 37.7  |       |





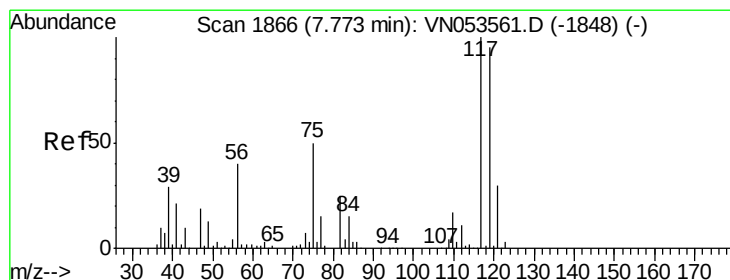
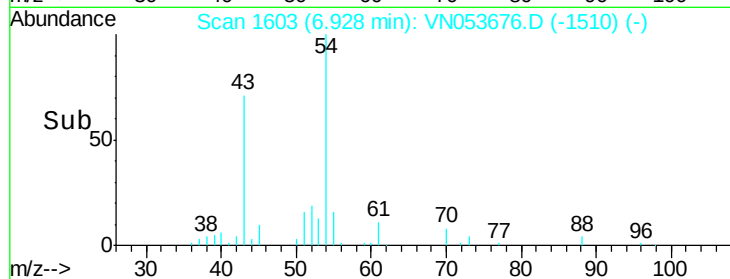
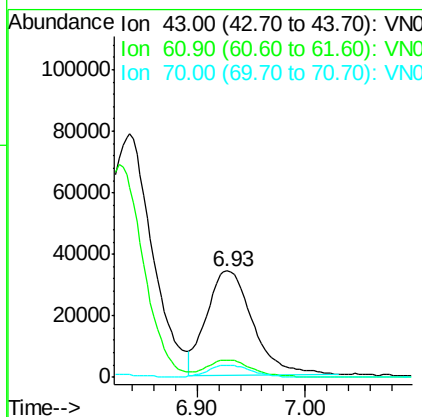
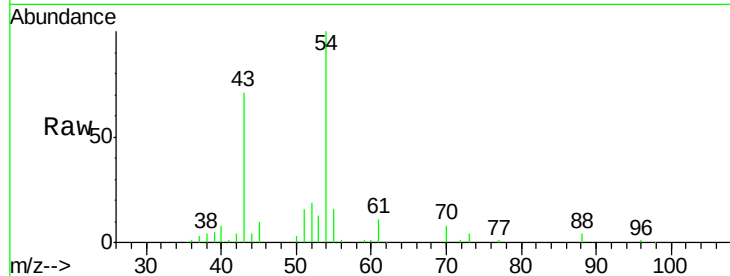
#37  
Ethyl Acetate  
Concen: 20.181 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0208MBS01

| Tot Ion | 43     | 61   | 70   |
|---------|--------|------|------|
| Resp    | 101457 |      |      |
| Ratio   | 100    | 16.7 | 10.1 |
| Lower   |        | 11.8 | 8.6  |
| Upper   |        | 17.6 | 12.8 |

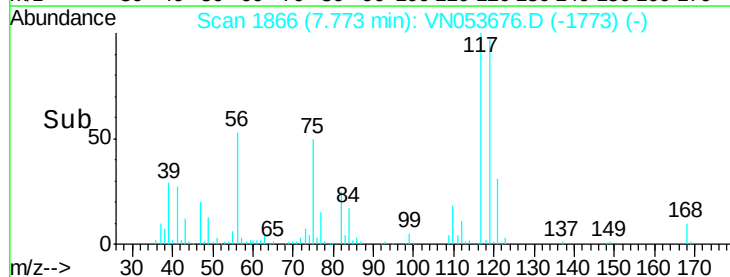
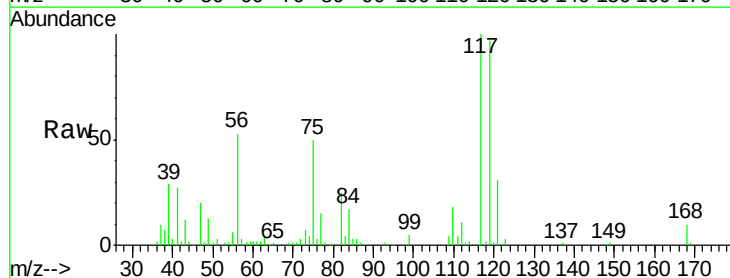
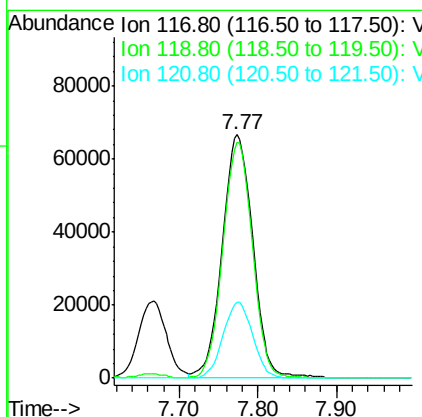
Manual Integrations  
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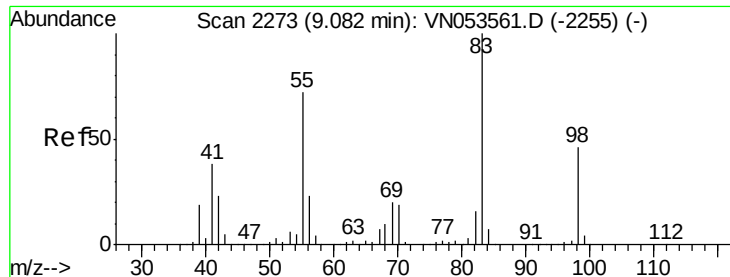


#38  
Carbon Tetrachloride  
Concen: 19.675 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion | 117    | 119   | 121  |
|---------|--------|-------|------|
| Resp    | 178411 |       |      |
| Ratio   | 100    | 97.1  | 31.4 |
| Lower   |        | 77.2  | 24.6 |
| Upper   |        | 115.8 | 37.0 |







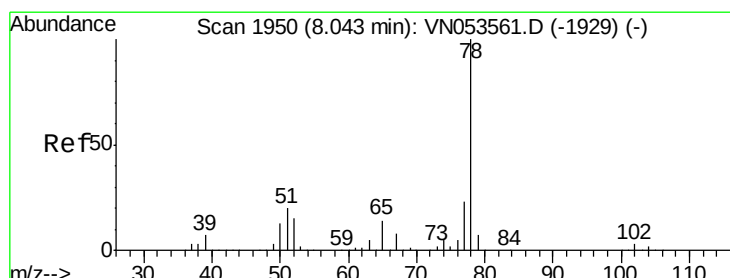
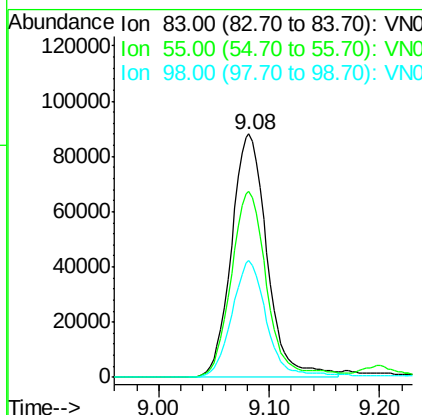
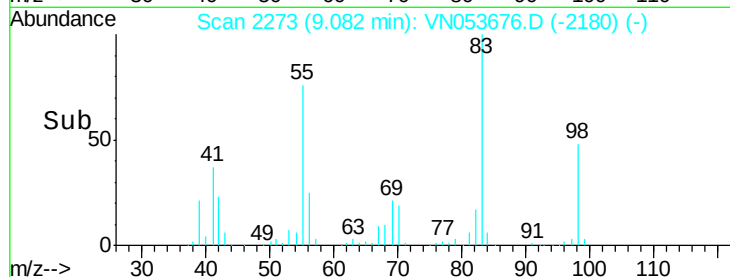
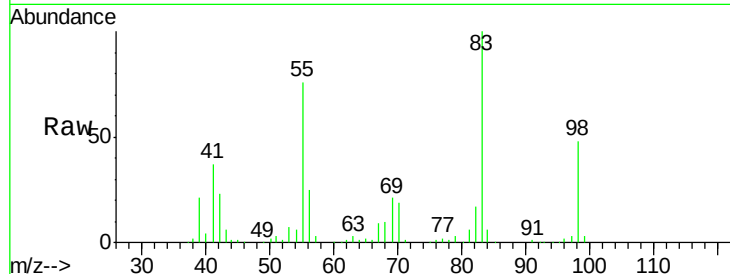
#39  
Methylvlcyclohexane  
Concen: 18.483 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 197382 |       |       |
| 55      | 76.4  | 60.1   | 90.1  |       |
| 98      | 47.8  | 36.6   | 55.0  |       |

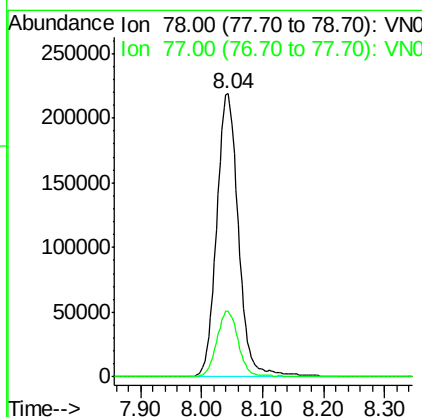
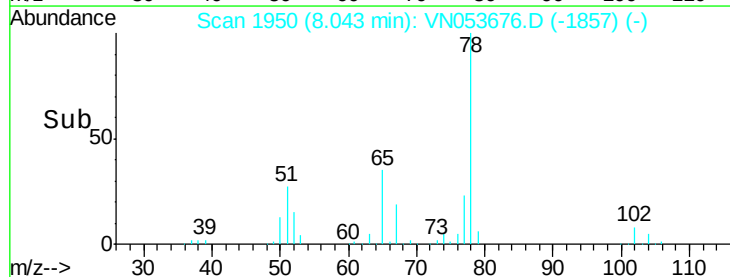
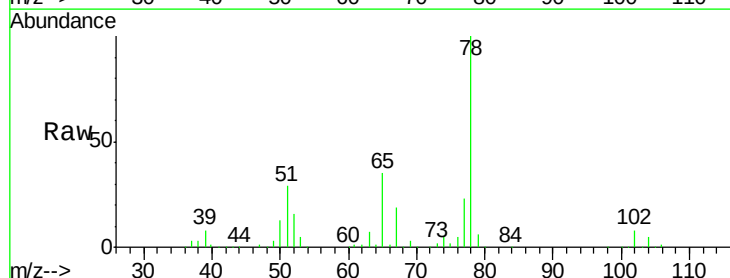
Manual Integrations  
APPROVED

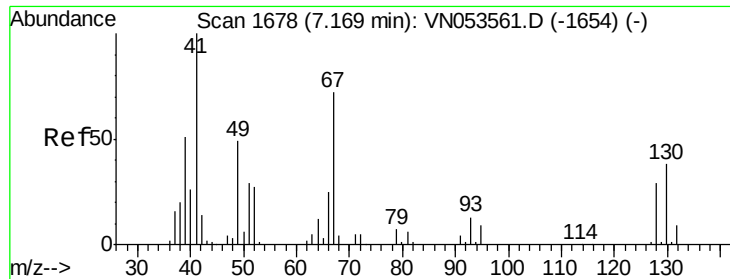
MMDadoda  
2/11/2019 9:50:16 AM



#40  
Benzene  
Concen: 19.561 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 542980 |       |       |
| 77      | 23.1  | 18.8   | 28.2  |       |





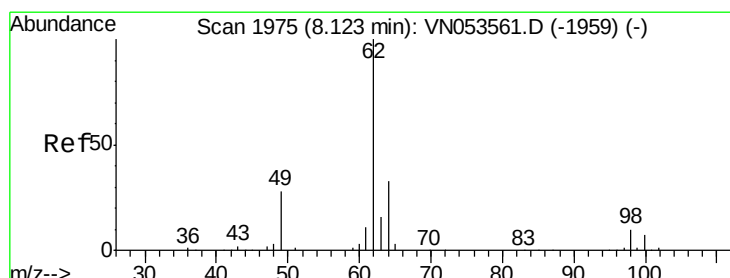
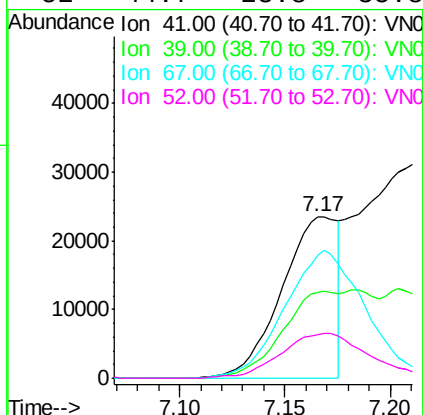
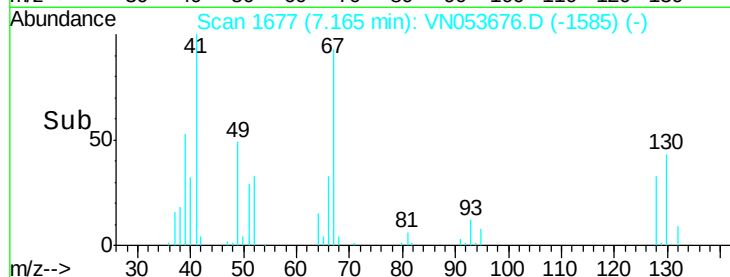
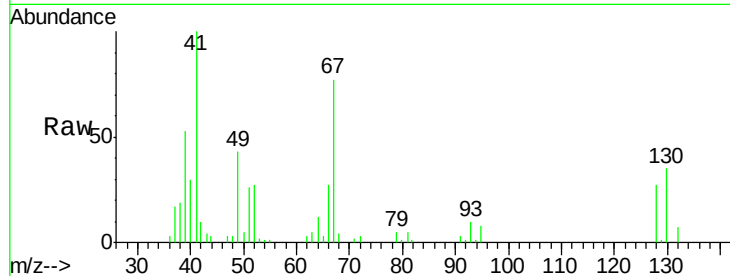
#41  
Methacrylonitrile  
Concen: 15.433 ug/l  
RT: 7.17 min Scan# 1677  
Delta R.T. -0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   |       |       |       |
| 39      | 53.5  | 46.8  | 70.2  |       |
| 67      | 115.1 | 63.0  | 94.6  |       |
| 52      | 44.7  | 23.8  | 35.8  |       |

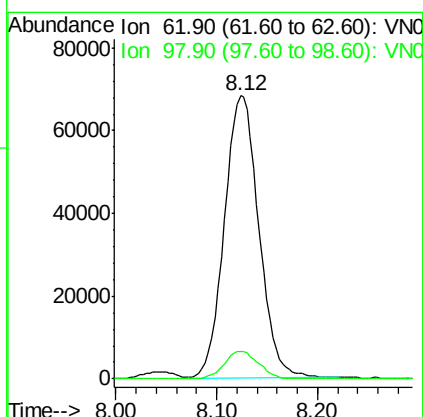
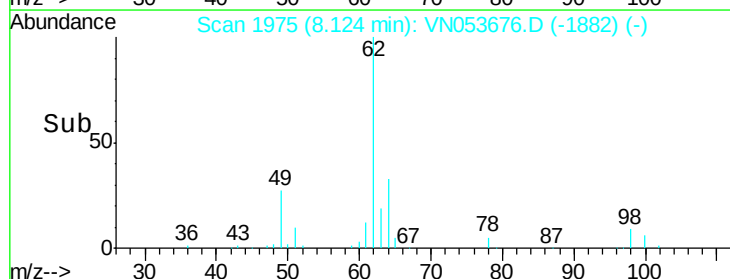
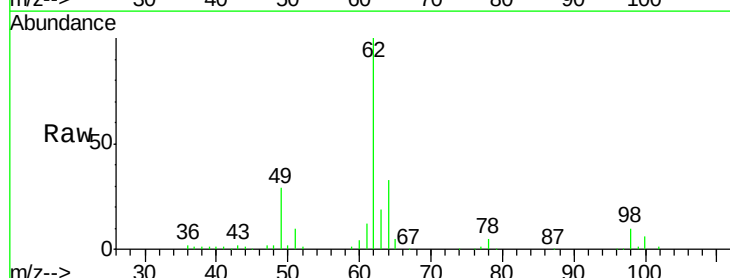
Manual Integrations  
APPROVED

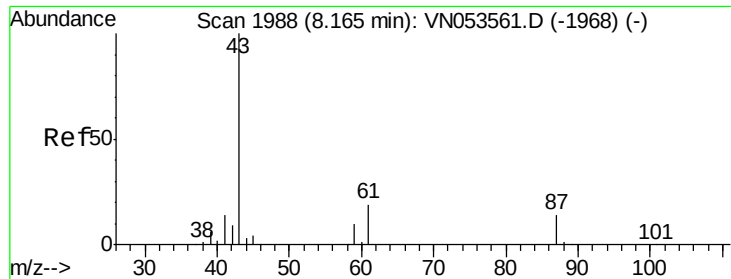
MMDadoda  
2/11/2019 9:50:16 AM



#42  
1,2-Dichloroethane  
Concen: 19.647 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.8 | 0.0   | 19.6  |       |





#43

Isopropyl Acetate

Concen: 19.511 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

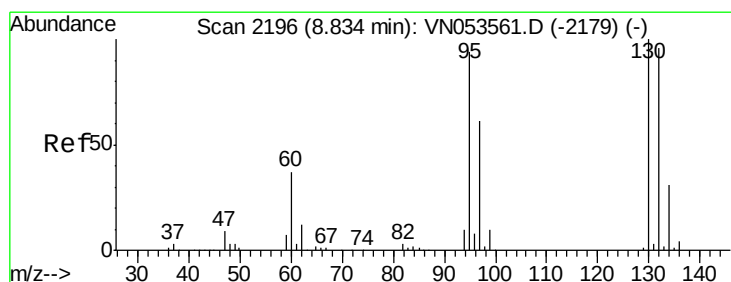
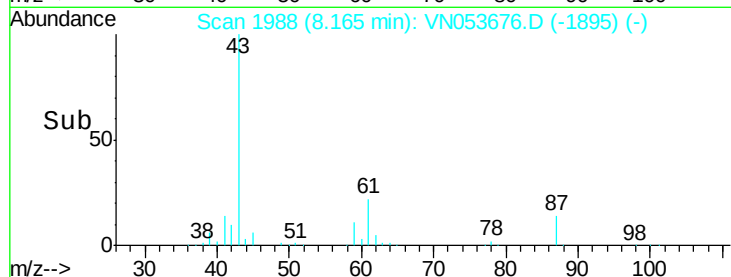
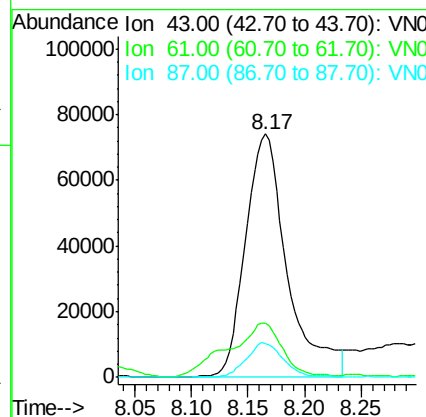
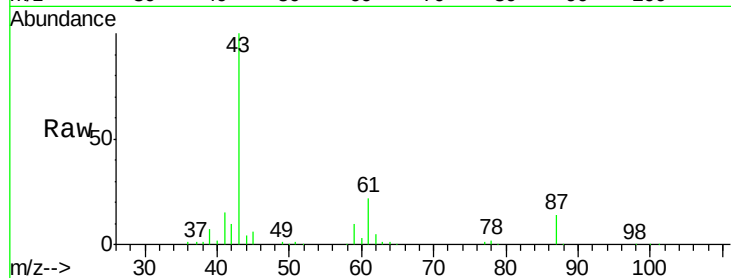
ClientSampleId :

VN0208MBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 189434 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 28.0  | 23.9  | 35.9   |
| 87       | 12.8  | 11.0  | 16.6   |

Manual Integrations  
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MMDadoda  
2/11/2019 9:50:16 AM



#44

Trichloroethene

Concen: 19.298 ug/l

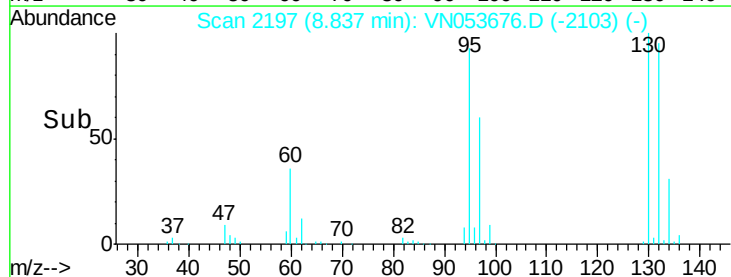
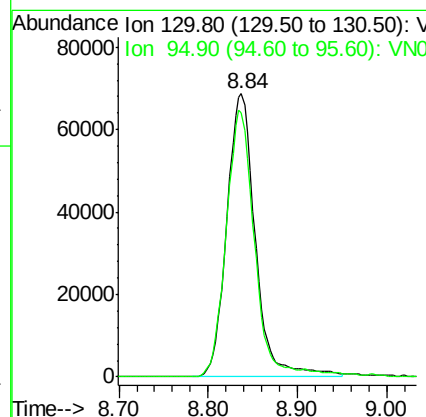
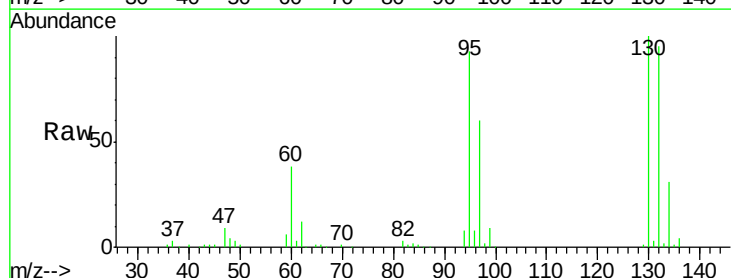
RT: 8.84 min Scan# 2197

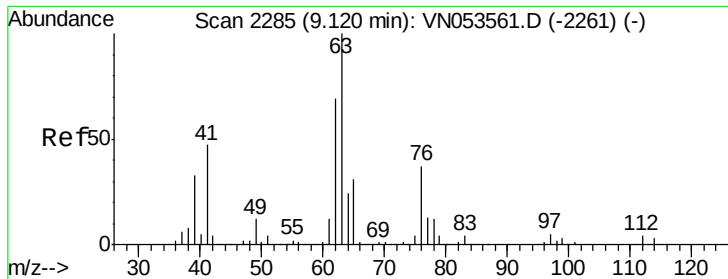
Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 152505 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 93.4  | 0.0   | 191.4  |





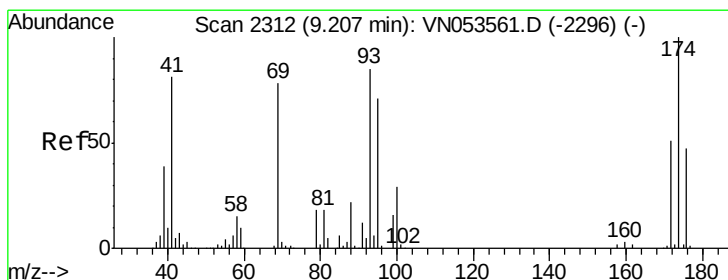
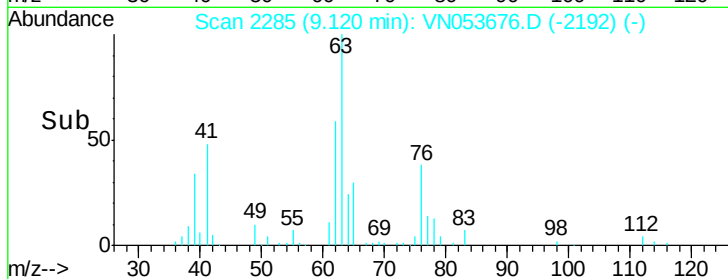
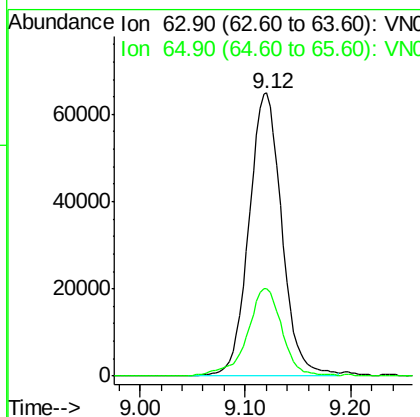
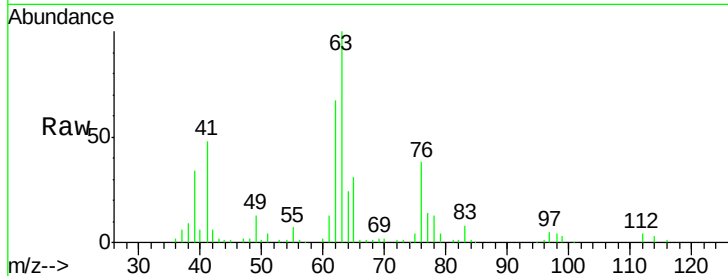
#45  
 1,2-Dichloropropane  
 Concen: 19.908 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0208MBS01

Tot Ion: 63 Resp: 141345  
 Ion Ratio Lower Upper  
 63 100  
 65 31.0 25.0 37.4

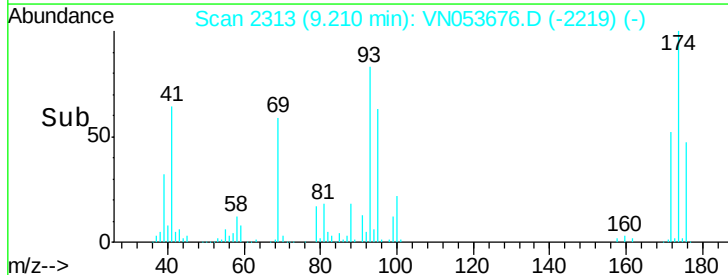
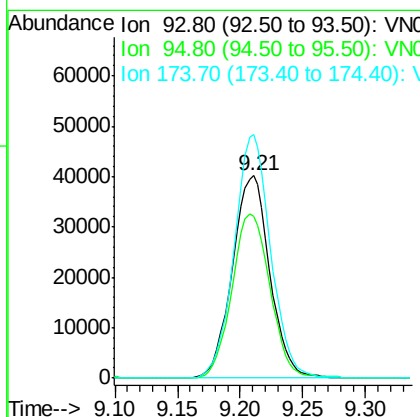
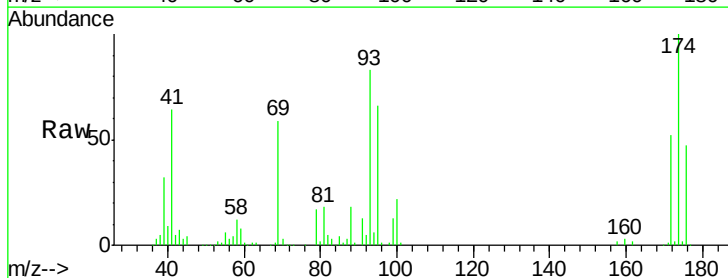
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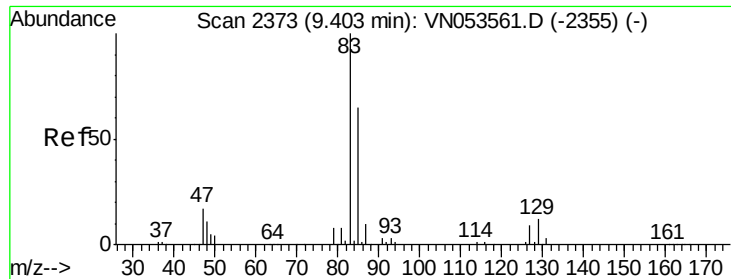
MMDadoda  
 2/11/2019 9:50:16 AM



#46  
 Dibromomethane  
 Concen: 19.449 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

Tgt Ion: 93 Resp: 83238  
 Ion Ratio Lower Upper  
 93 100  
 95 82.8 67.3 100.9  
 174 117.3 91.0 136.4





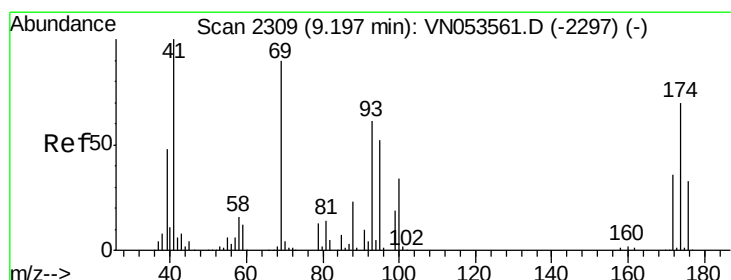
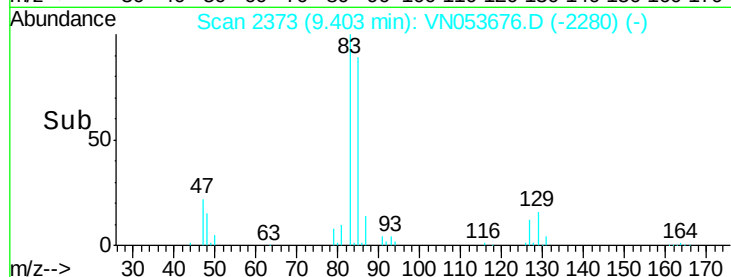
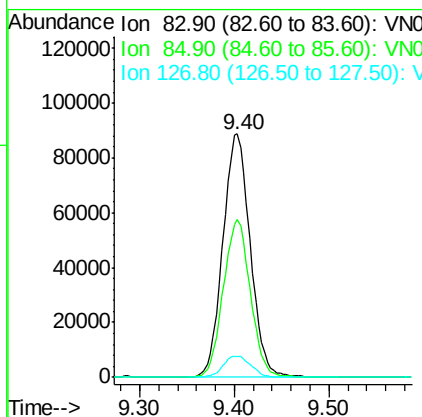
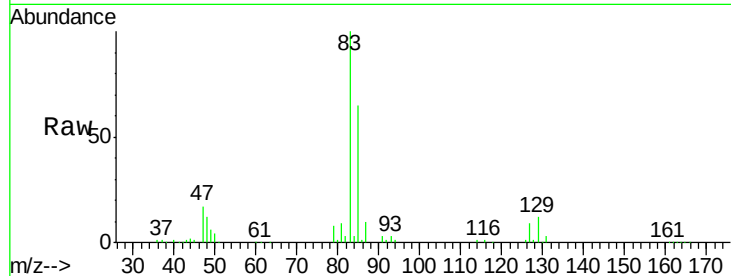
#47  
Bromodichloromethane  
Concen: 20.045 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

| Tot Ion   | 83   | Resp  | 178373 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 64.8 | 51.0  | 76.6   |
| 127       | 8.7  | 7.0   | 10.6   |

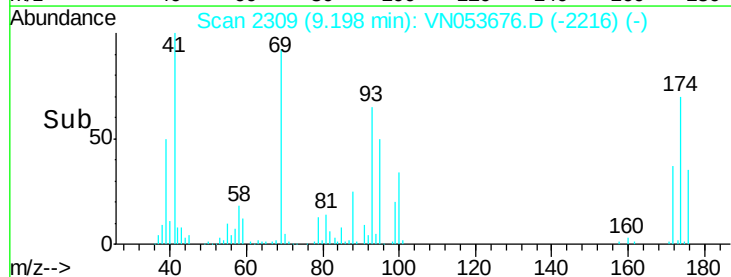
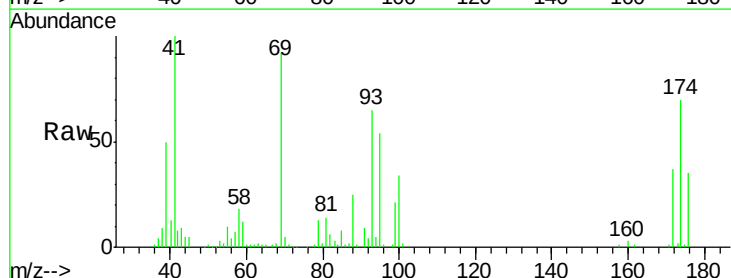
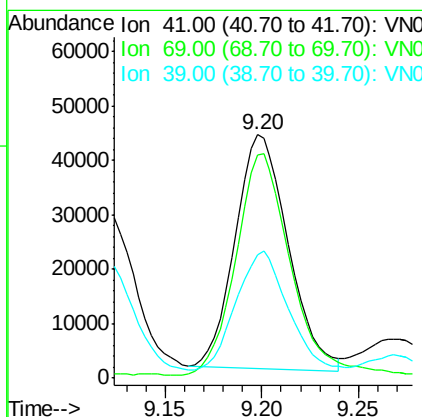
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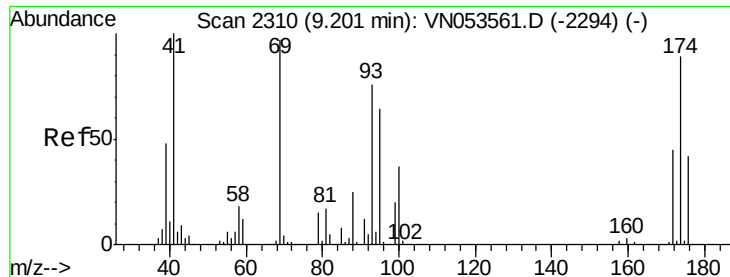
MMDadoda  
2/11/2019 9:50:16 AM



#48  
Methyl methacrylate  
Concen: 17.671 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion   | 41    | Resp  | 81898 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 41        | 100   |       |       |
| 69        | 102.1 | 73.8  | 110.6 |
| 39        | 57.4  | 40.0  | 60.0  |





#49

1,4-Dioxane

Concen: 400.430 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

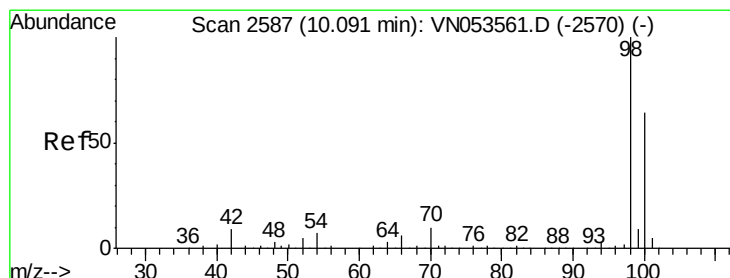
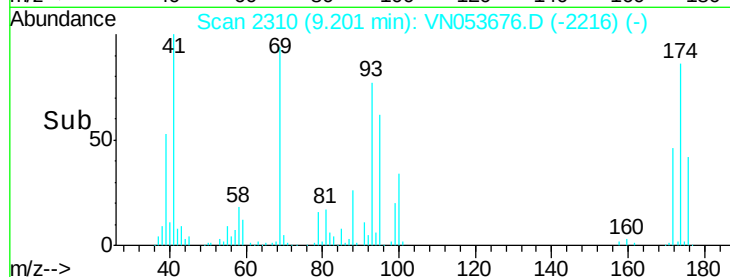
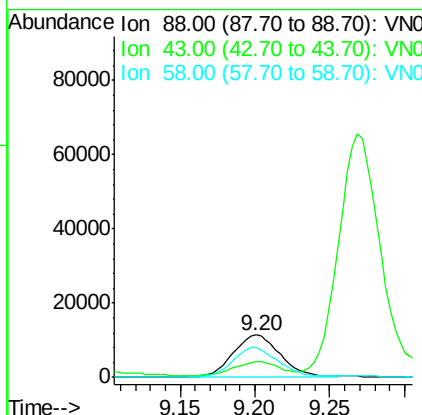
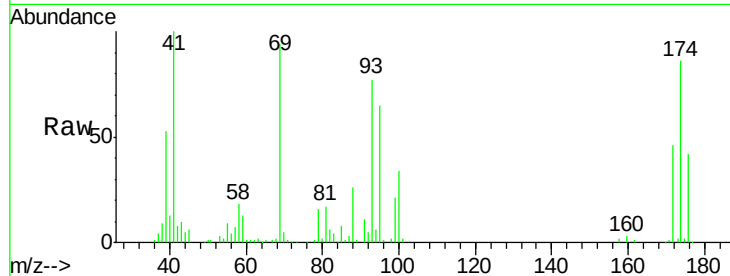
ClientSampleId :

VN0208MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 25252 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 30.9  | 27.8  | 41.6  |
| 58       | 67.8  | 56.5  | 84.7  |

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#50

Toluene-d8

Concen: 48.394 ug/l

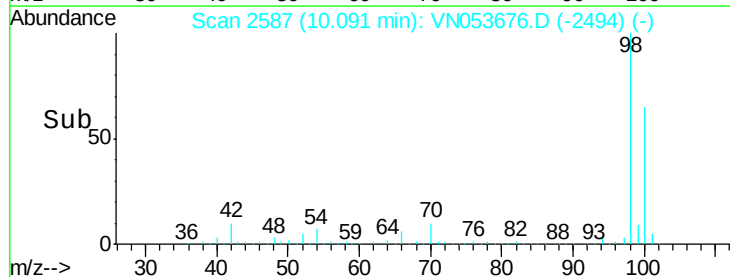
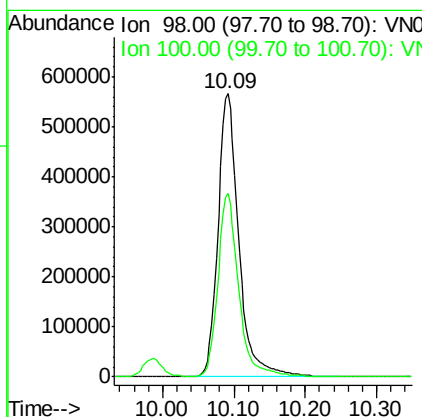
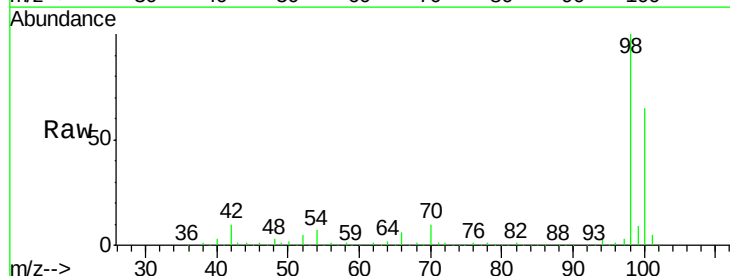
RT: 10.09 min Scan# 2587

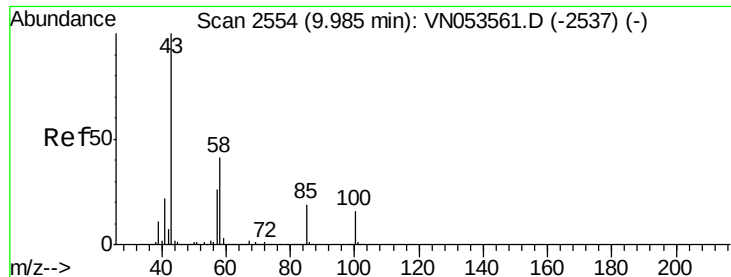
Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 98    | Resp: | 1146534 |
| Ion      | Ratio | Lower | Upper   |
| 98       | 100   |       |         |
| 100      | 64.8  | 51.4  | 77.0    |





#51

4-Methyl-2-Pentanone

Concen: 99.133 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0208MBS01

Tot Ion: 43 Resp: 472961

Ion Ratio Lower Upper

43 100

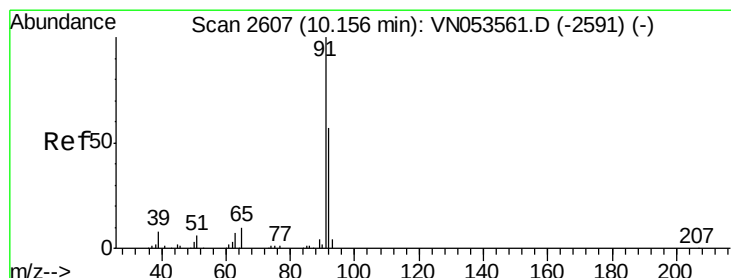
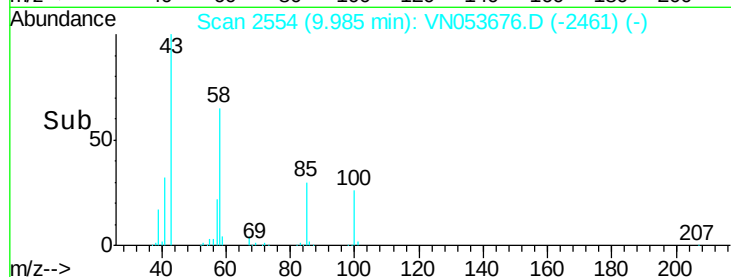
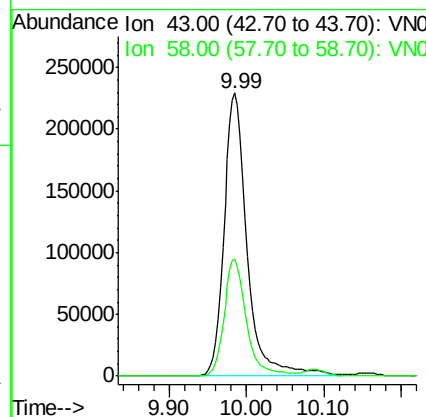
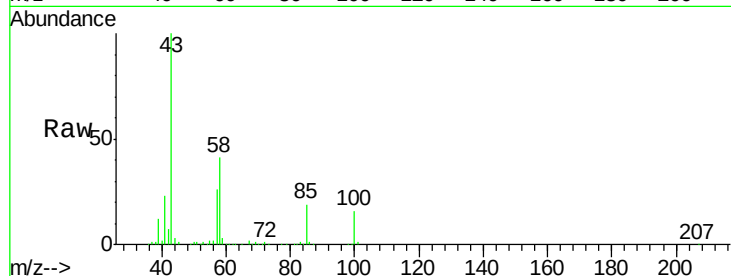
58 40.1 32.8 49.2

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#52

Toluene

Concen: 19.790 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053676.D

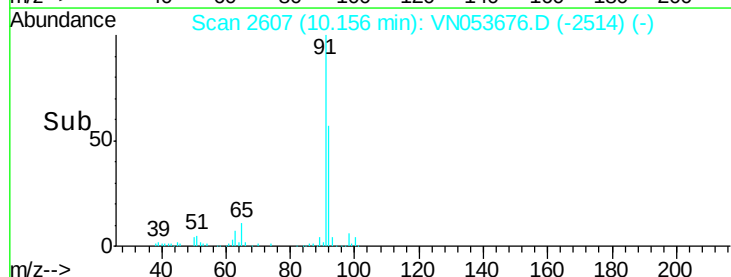
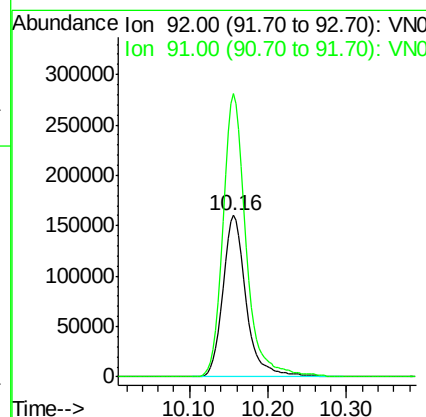
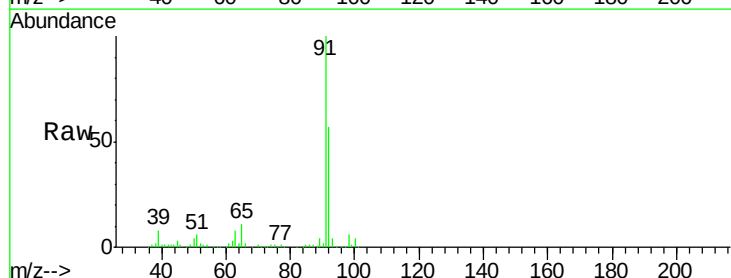
Acq: 8 Feb 2019 12:50

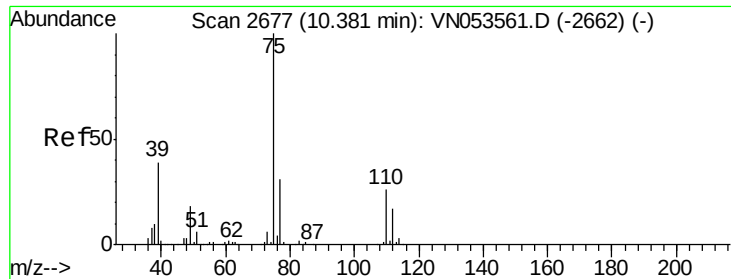
Tgt Ion: 92 Resp: 326023

Ion Ratio Lower Upper

92 100

91 173.9 139.9 209.9





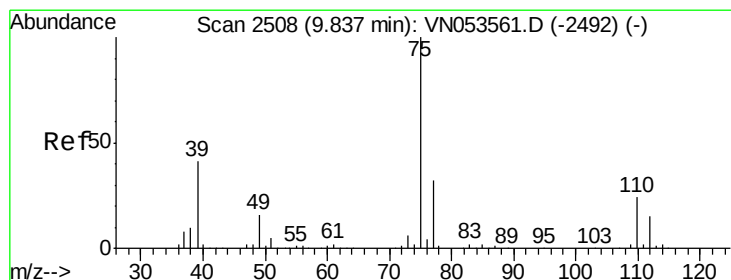
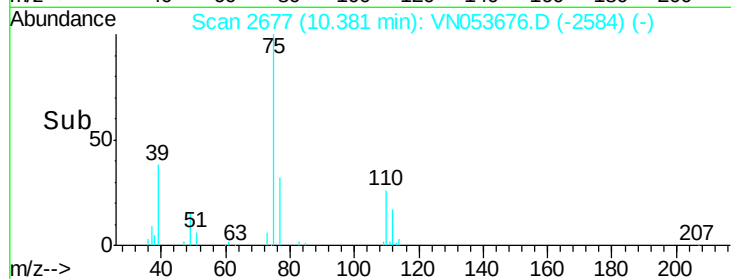
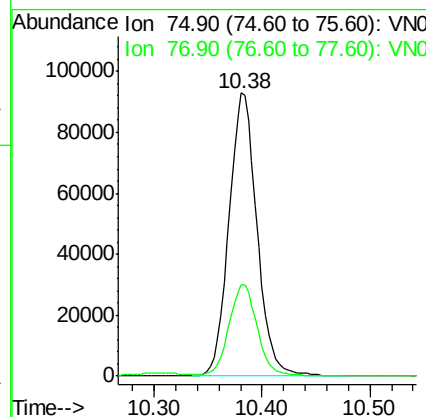
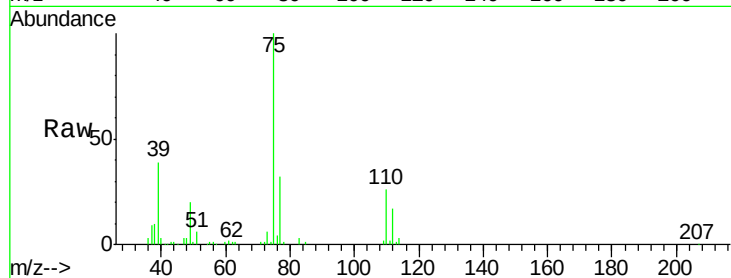
#53  
 t-1,3-Dichloropropene  
 Concen: 18.839 ug/l  
 RT: 10.38 min Scan# 2677  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0208MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.2  | 25.5  | 38.3  |

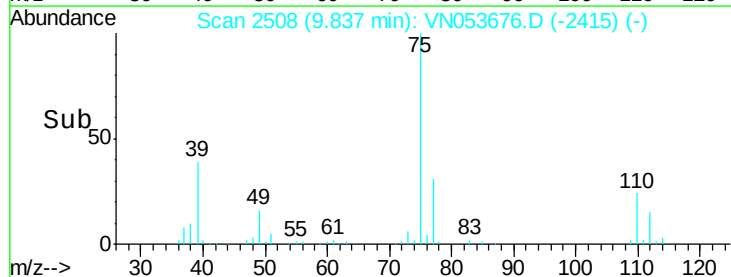
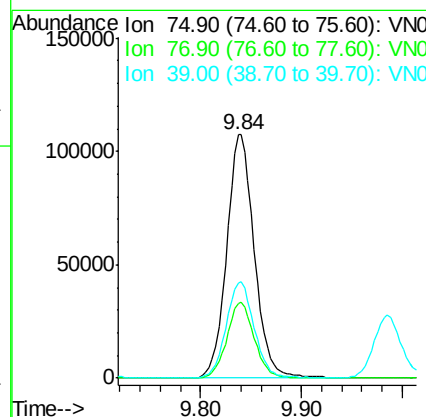
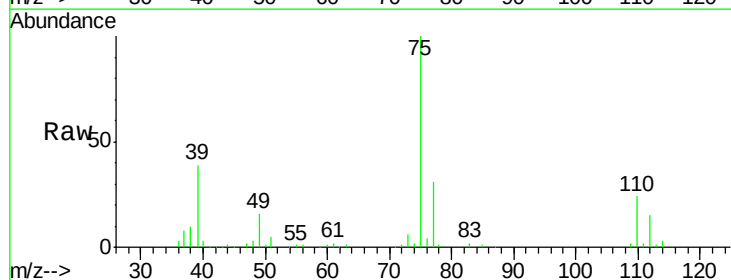
Manual Integrations  
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 2/11/2019 9:50:16 AM

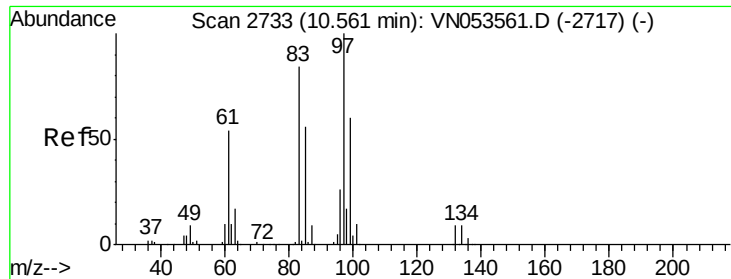


#54  
 cis-1,3-Dichloropropene  
 Concen: 19.383 ug/l  
 RT: 9.84 min Scan# 2508  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.8  | 25.8  | 38.6  |
| 39      | 39.3  | 33.4  | 50.0  |







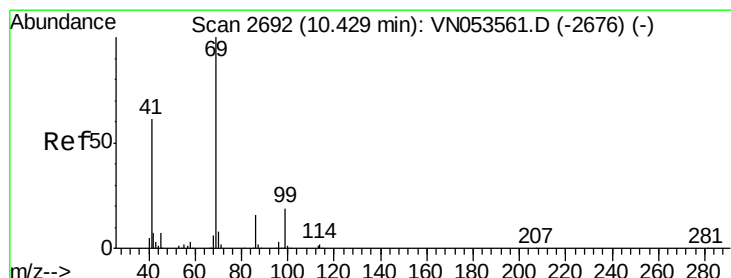
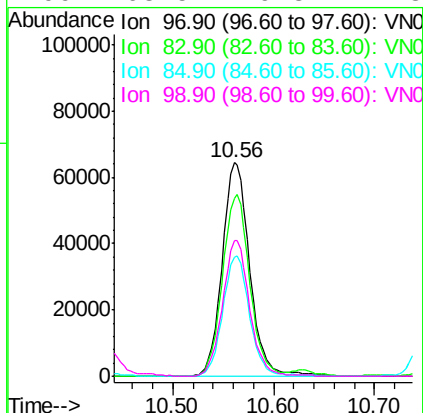
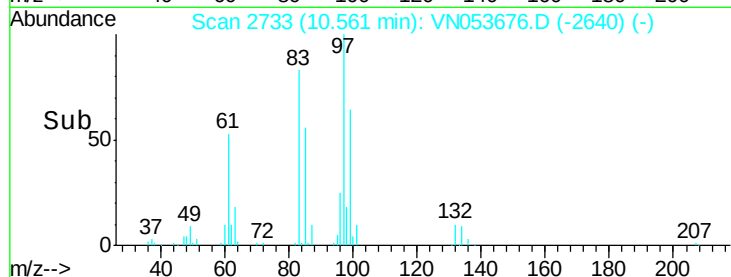
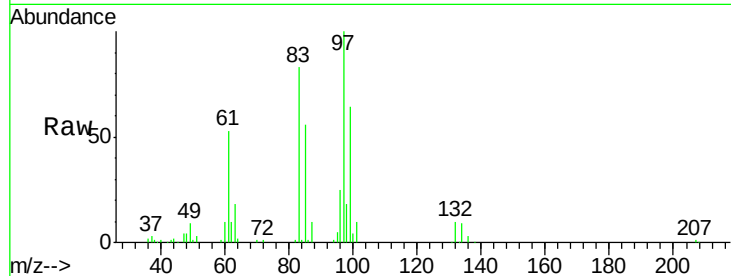
#55  
 1,1,2-Trichloroethane  
 Concen: 20.684 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0208MBS01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 122791 |       |       |
| 83      | 83.3 | 70.1  | 105.1  |       |       |
| 85      | 55.8 | 45.4  | 68.0   |       |       |
| 99      | 63.5 | 49.8  | 74.8   |       |       |

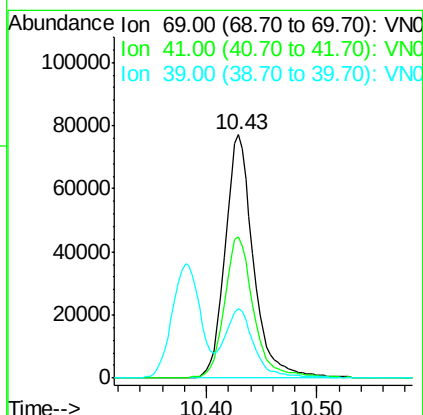
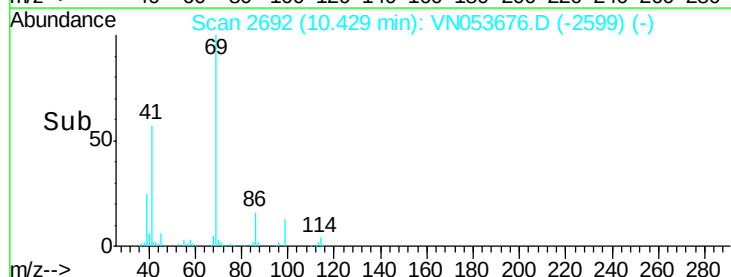
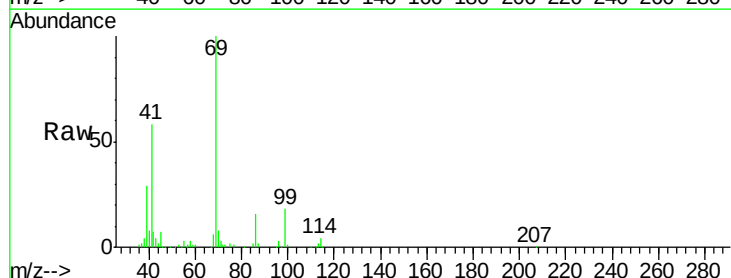
Manual Integrations  
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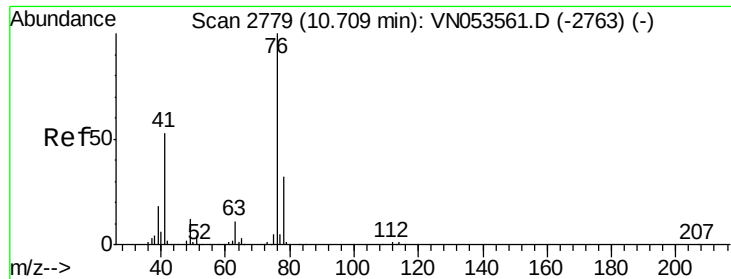
MMDadoda  
 2/11/2019 9:50:16 AM



#56  
 Ethyl methacrylate  
 Concen: 19.535 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 137191 |       |       |
| 41      | 59.2 | 49.4  | 74.0   |       |       |
| 39      | 28.6 | 23.3  | 34.9   |       |       |





#57

1,3-Dichloropropane

Concen: 19.628 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0208MBS01

Tot Ion: 76 Resp: 199135

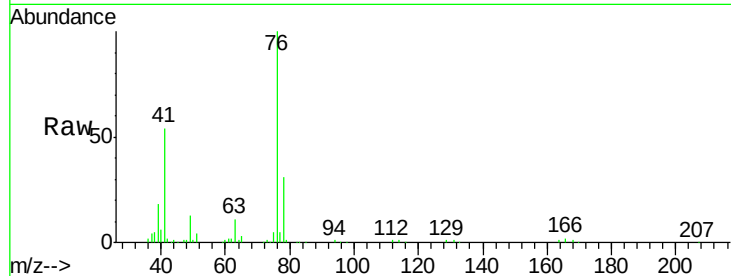
Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4

Manual Integrations  
APPROVED

MMDadoda  
2/11/2019 9:50:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

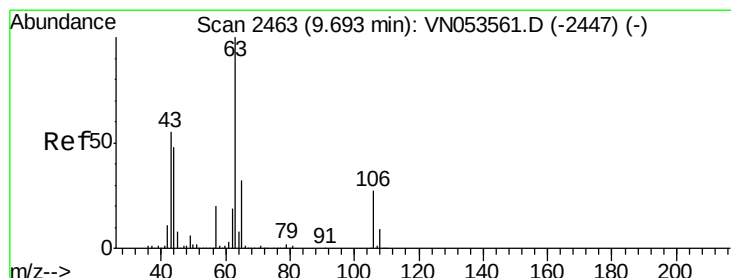
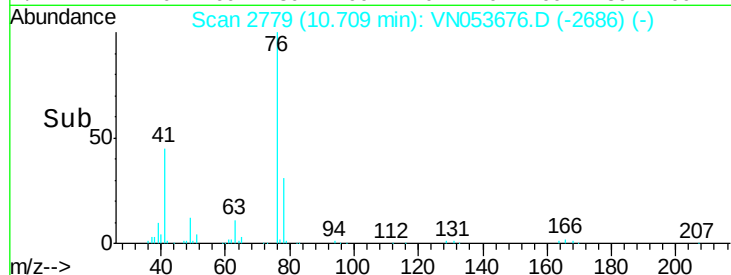
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 82.826 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053676.D

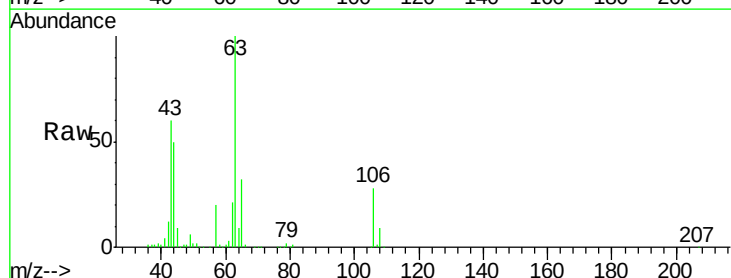
Acq: 8 Feb 2019 12:50

Tgt Ion: 63 Resp: 336636

Ion Ratio Lower Upper

63 100

106 27.5 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

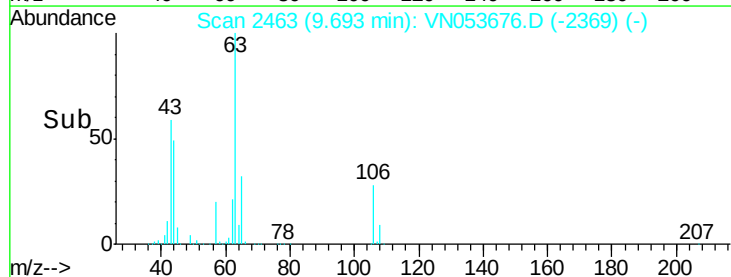
150000

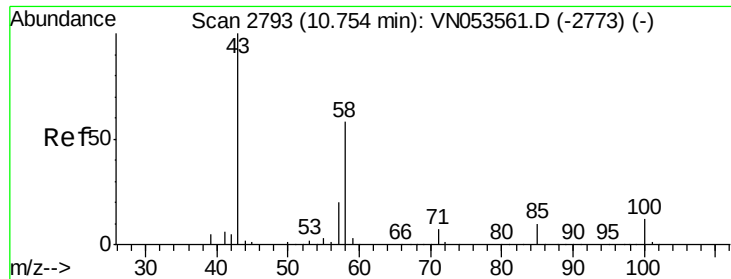
100000

50000

0

Time--> 9.60 9.70 9.80





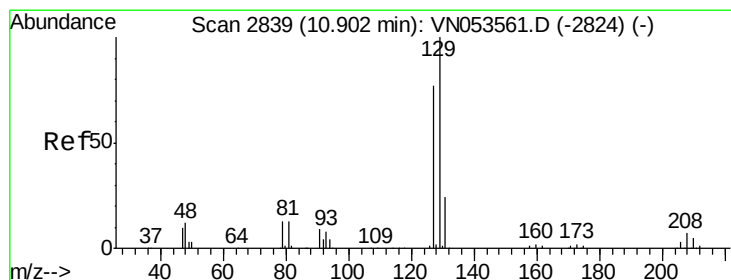
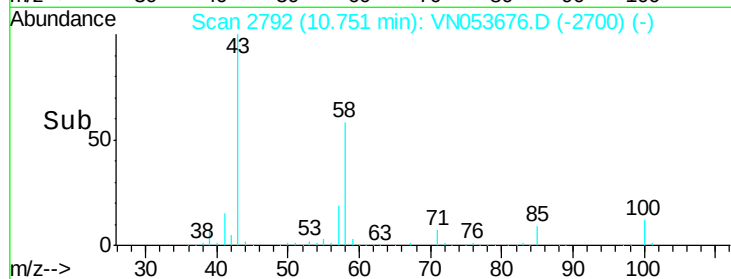
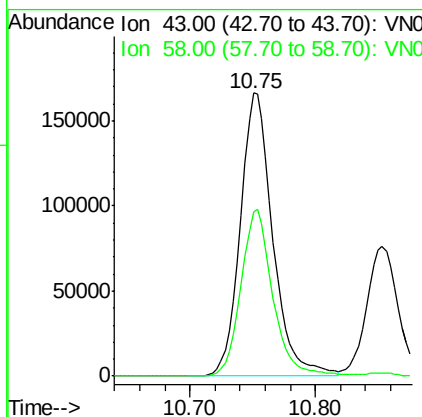
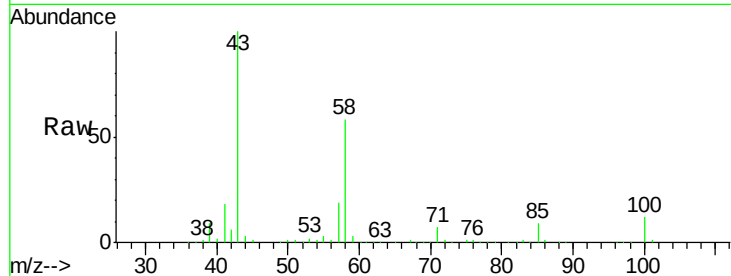
#59  
2-Hexanone  
Concen: 92.011 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

| Tot Ion   | 43   | Resp  | 298011 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 58        | 58.1 | 28.6  | 85.8   |

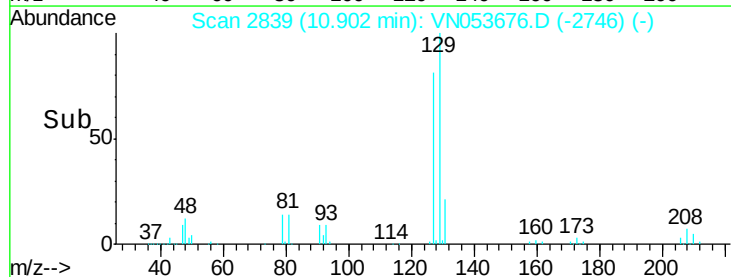
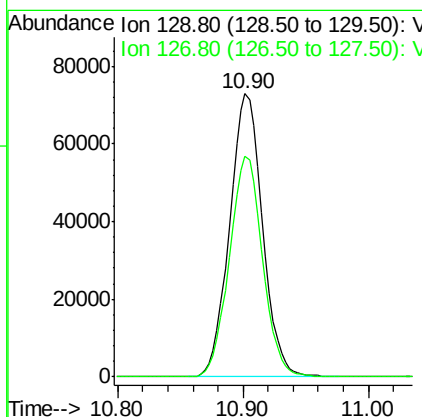
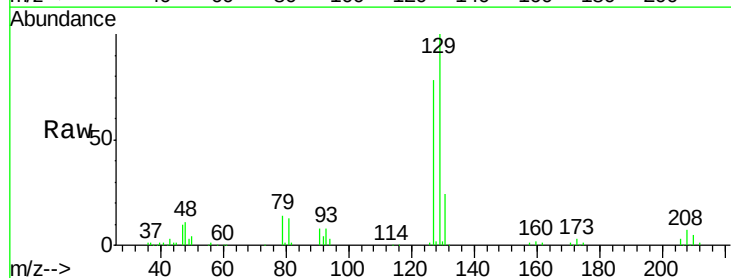
Manual Integrations  
APPROVED

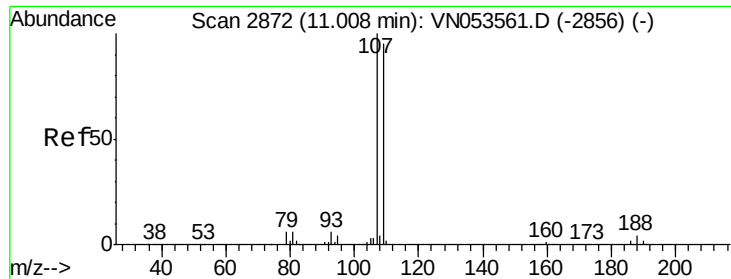
MMDadoda  
2/11/2019 9:50:16 AM



#60  
Dibromochloromethane  
Concen: 19.824 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion   | 129  | Resp  | 132706 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 127       | 78.6 | 38.6  | 115.8  |





#61

1,2-Dibromoethane

Concen: 19.221 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0208MBS01

Tot Ion: 107 Resp: 112938

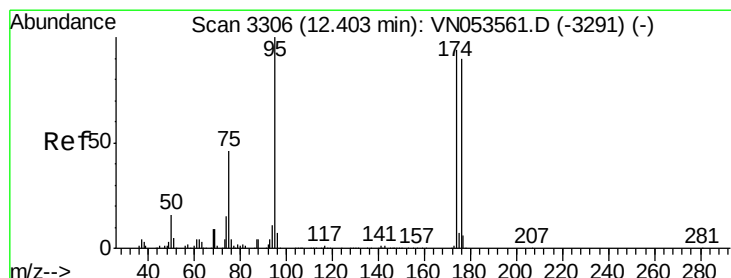
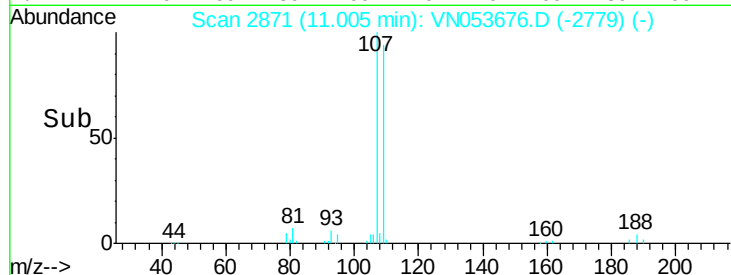
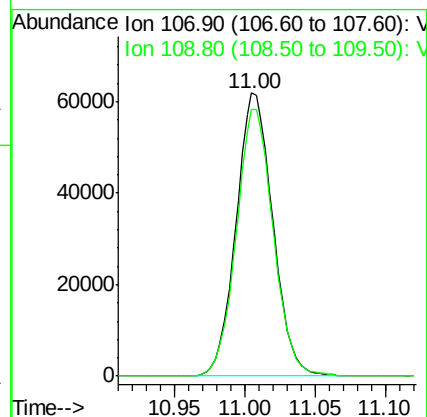
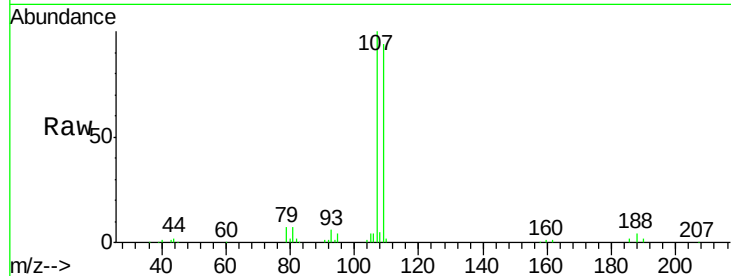
Ion Ratio Lower Upper

107 100

109 94.7 75.7 113.5

Manual Integrations  
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MMDadoda  
2/11/2019 9:50:16 AM



#62

4-Bromofluorobenzene

Concen: 48.978 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

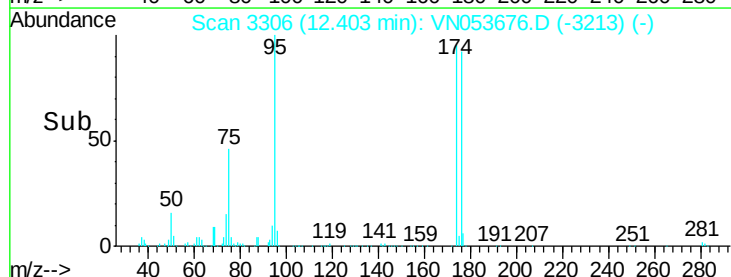
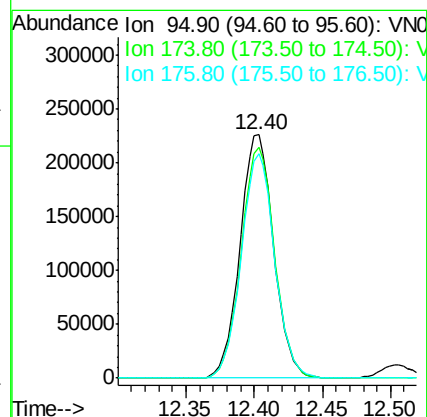
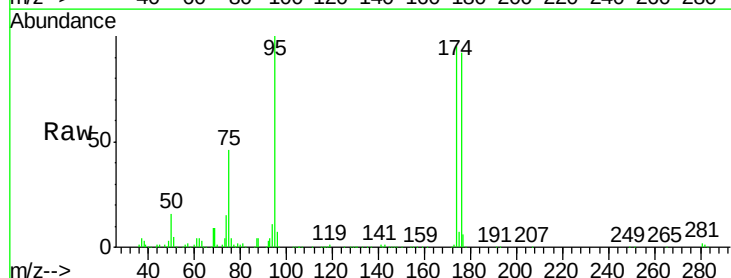
Tgt Ion: 95 Resp: 387003

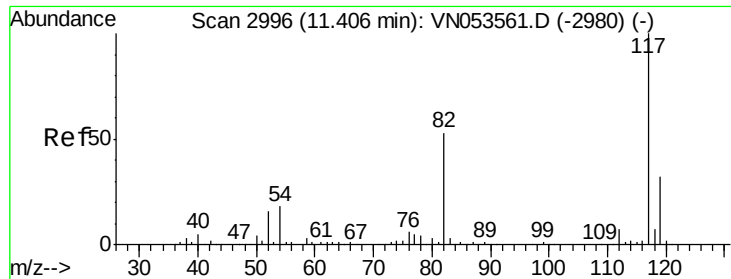
Ion Ratio Lower Upper

95 100

174 94.5 0.0 183.2

176 91.4 0.0 177.4





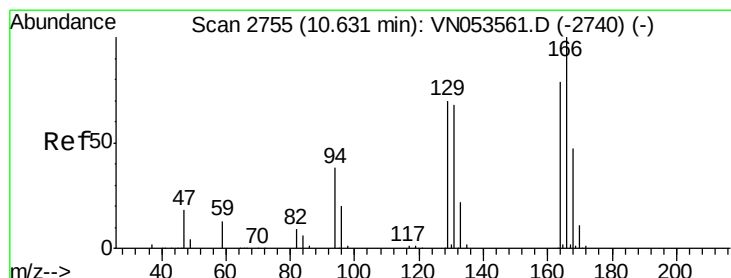
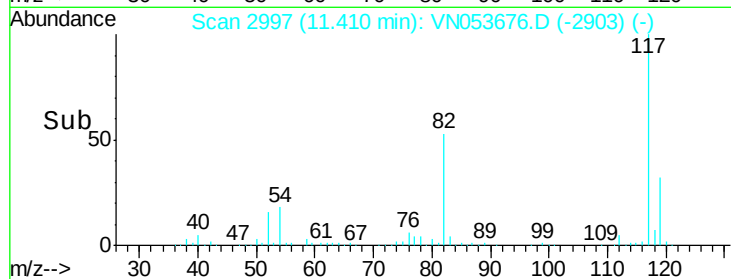
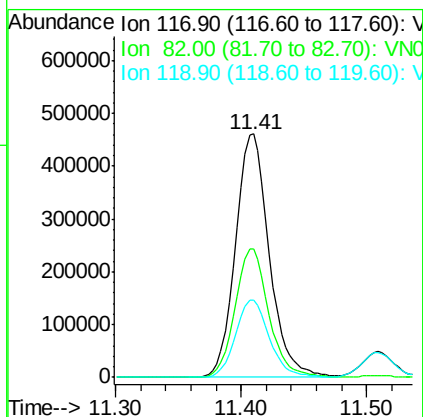
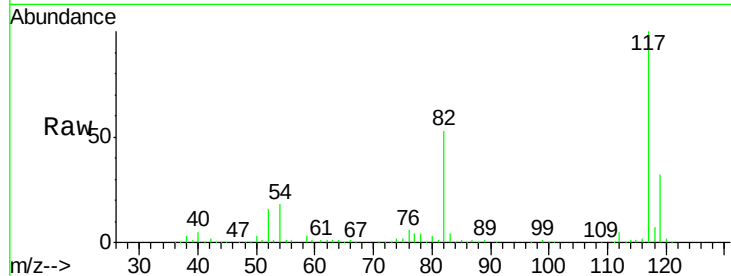
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.6  | 42.9  | 64.3  |
| 119     | 31.9  | 26.0  | 39.0  |

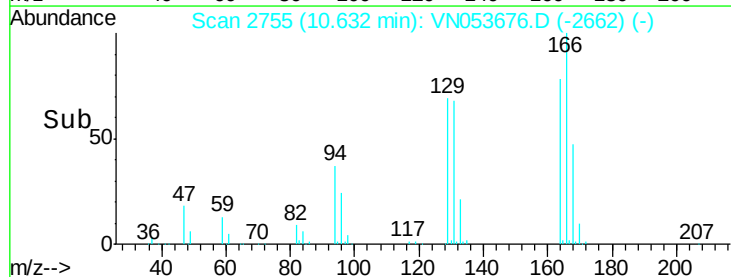
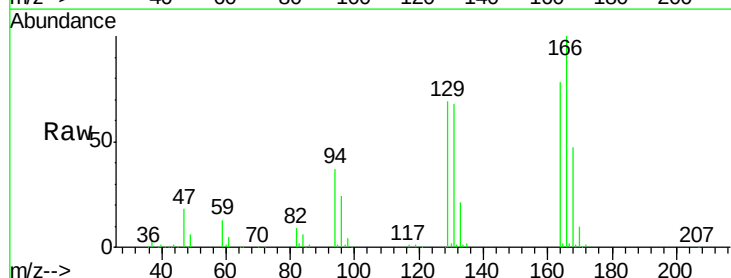
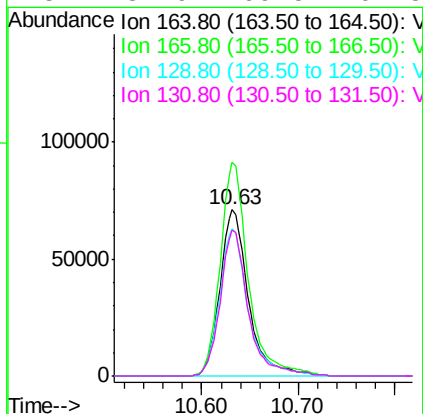
Manual Integrations  
APPROVED

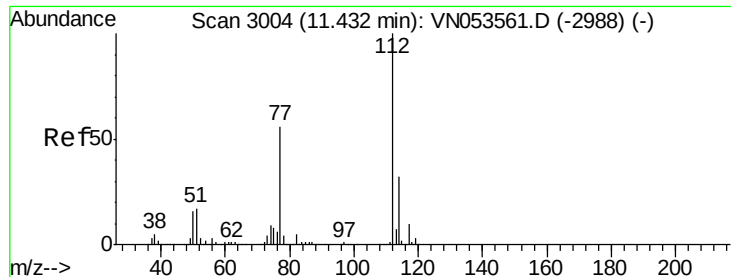
MMDadoda  
2/11/2019 9:50:16 AM



#64  
Tetrachloroethene  
Concen: 19.735 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.6 | 102.2 | 153.4 |
| 129     | 88.8  | 72.6  | 109.0 |
| 131     | 87.9  | 69.5  | 104.3 |





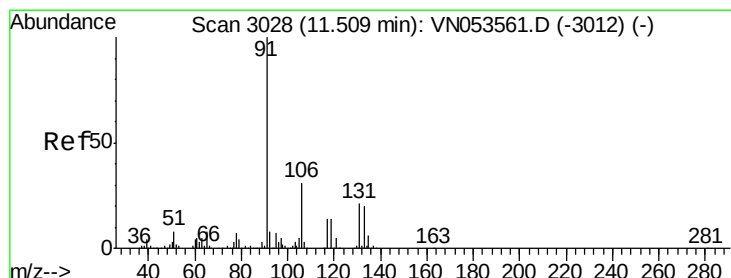
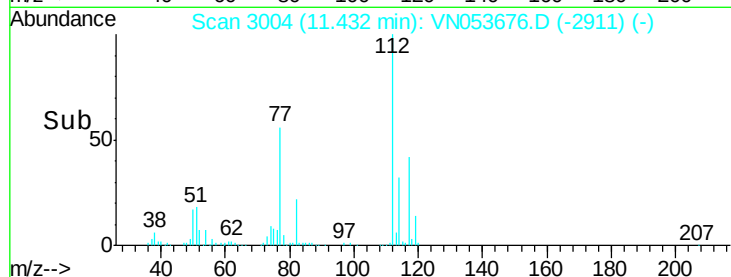
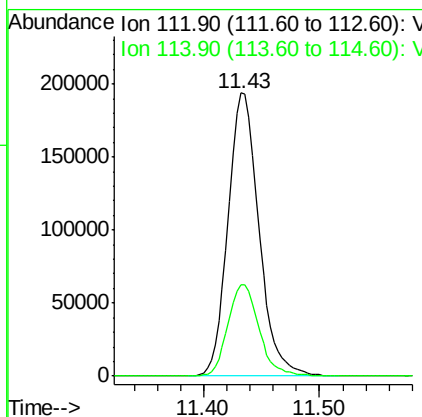
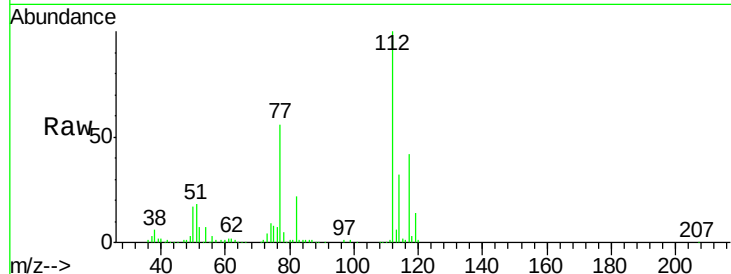
#65  
Chlorobenzene  
Concen: 19.504 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

Tot Ion:112 Resp: 356952  
Ion Ratio Lower Upper  
112 100  
114 32.3 25.3 37.9

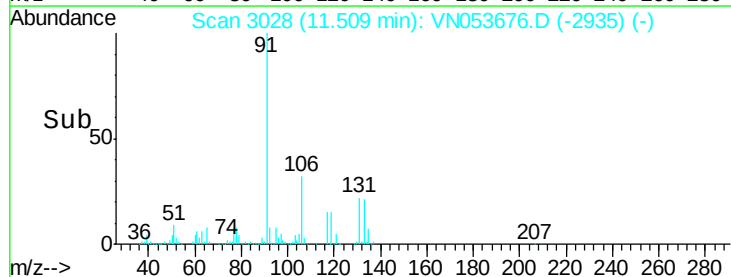
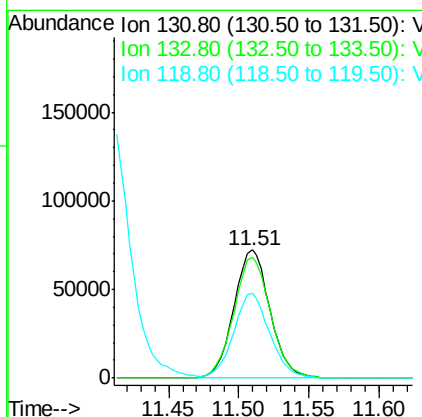
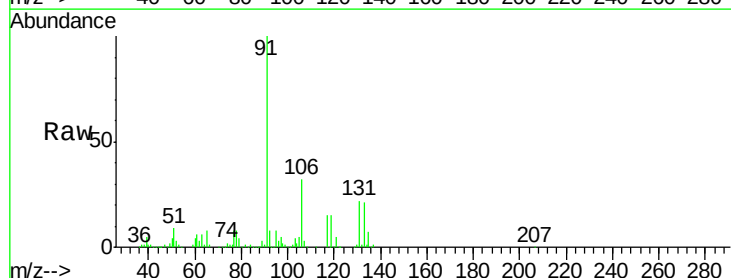
Manual Integrations  
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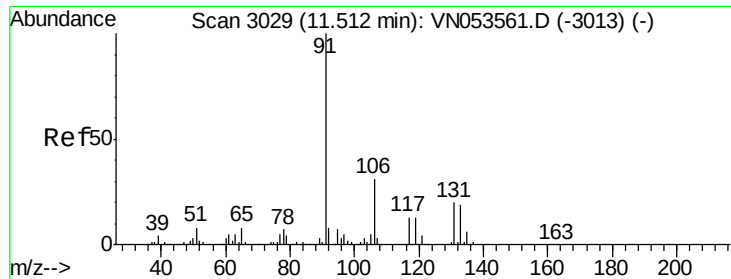
MMDadoda  
2/11/2019 9:50:16 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.298 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Tgt Ion:131 Resp: 129732  
Ion Ratio Lower Upper  
131 100  
133 96.2 48.0 144.0  
119 66.4 33.5 100.5





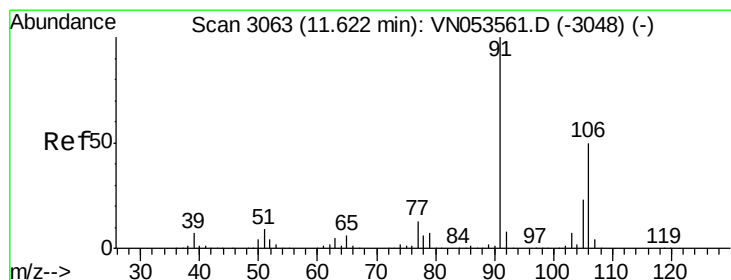
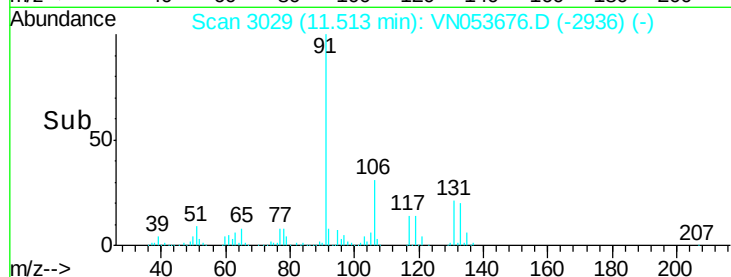
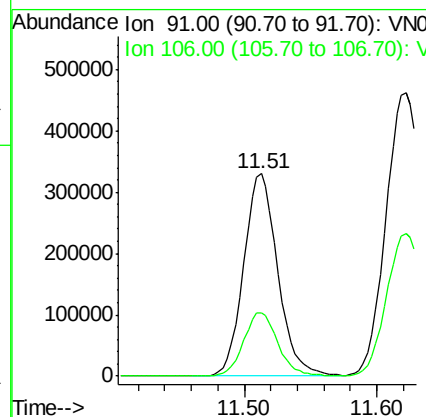
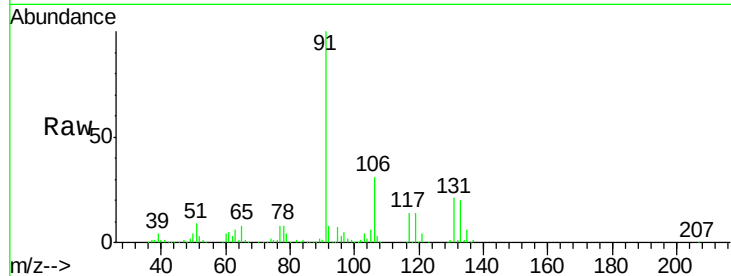
#67  
Ethyl Benzene  
Concen: 19.603 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0208MBS01

Tot Ion: 91 Resp: 589327  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.0 37.6

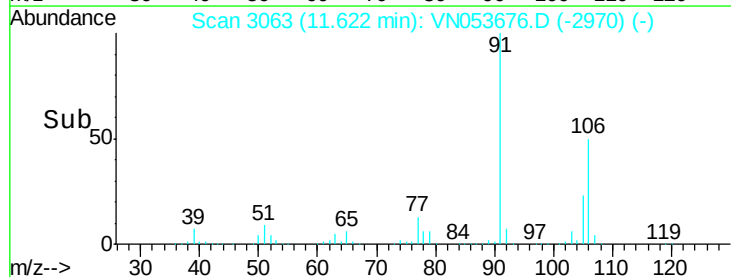
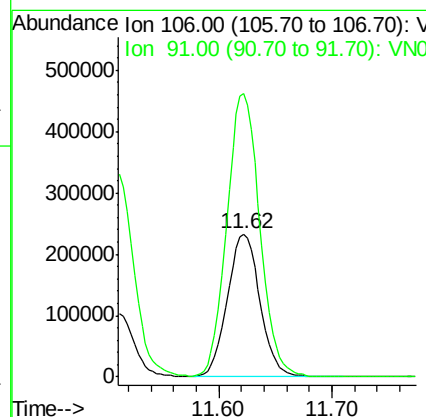
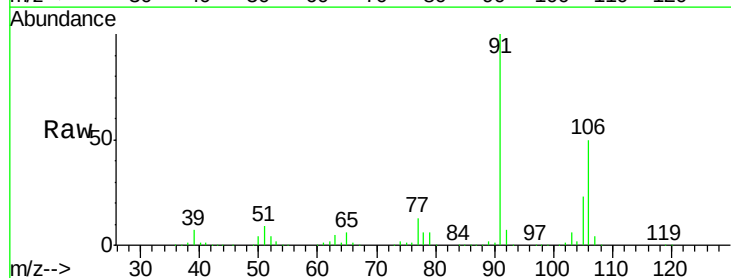
Manual Integrations  
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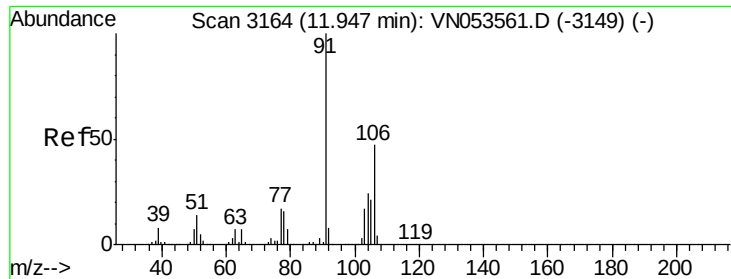
MMDadoda  
2/11/2019 9:50:16 AM



#68  
m/p-Xylenes  
Concen: 40.562 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Tgt Ion: 106 Resp: 465411  
Ion Ratio Lower Upper  
106 100  
91 200.6 161.4 242.2





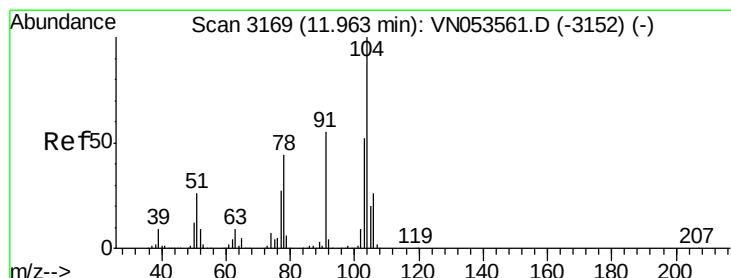
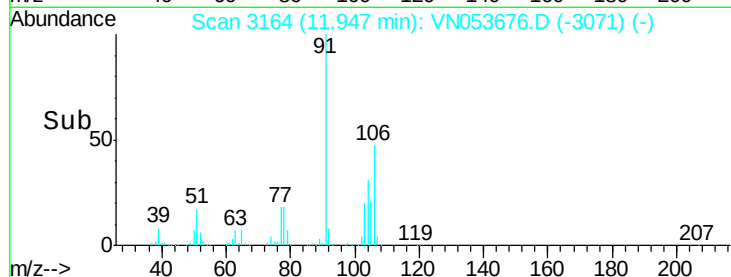
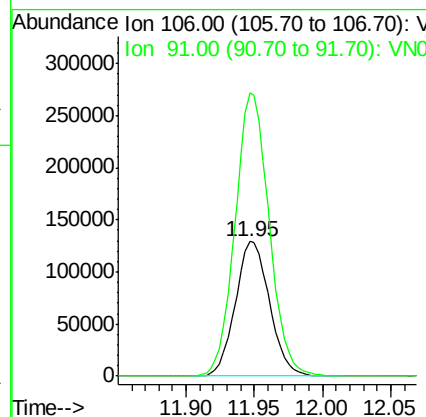
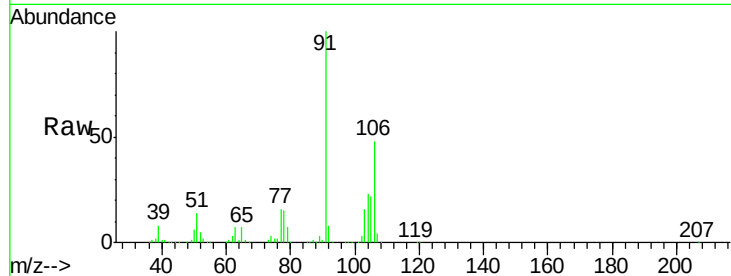
#69  
o-Xylene  
Concen: 20.250 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 106     | 106 | 100   | 224474 |       |       |
| 91      | 91  | 209.5 | 106.9  | 320.8 |       |

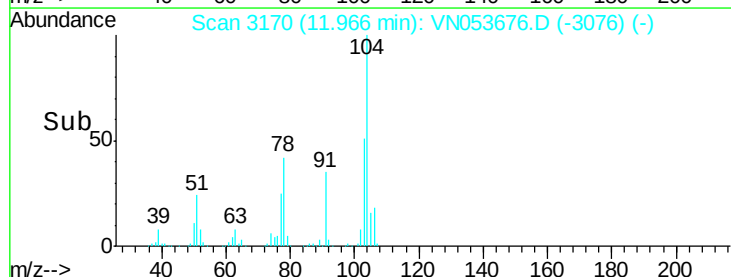
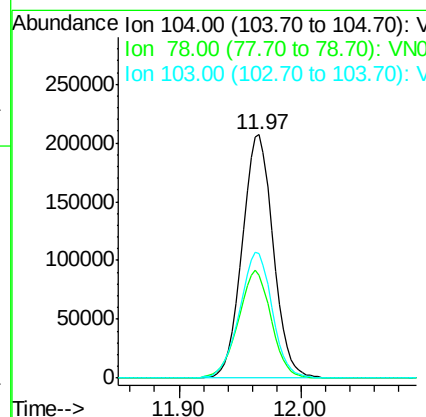
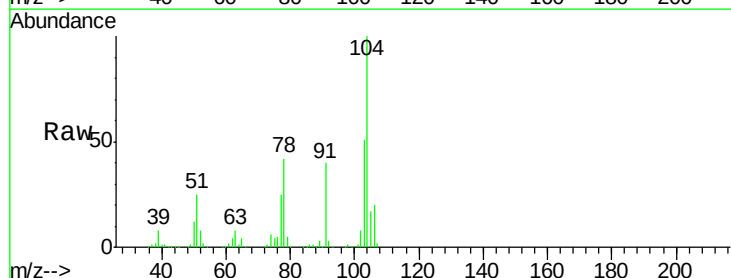
Manual Integrations  
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2/11/2019 9:50:16 AM

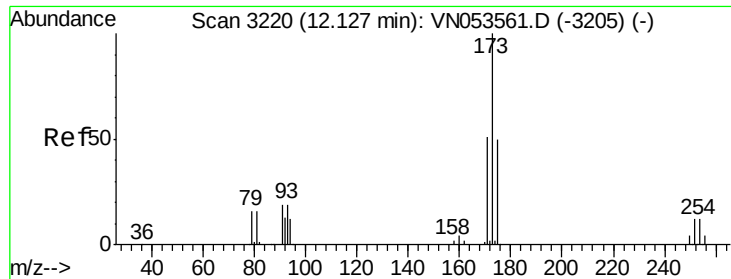


#70  
Styrene  
Concen: 20.189 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 104     | 104 | 100   | 362738 |       |       |
| 78      | 78  | 47.2  | 38.2   | 57.2  |       |
| 103     | 103 | 54.8  | 44.4   | 66.6  |       |







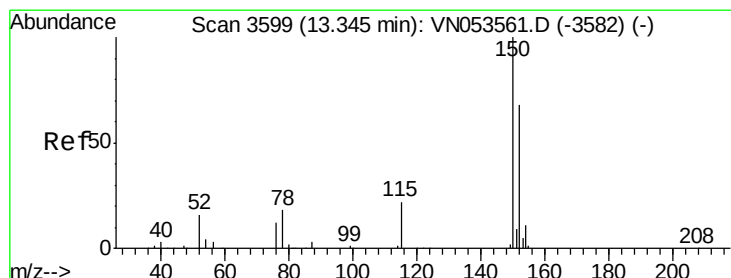
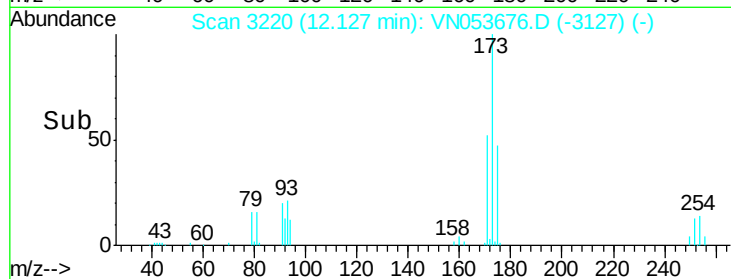
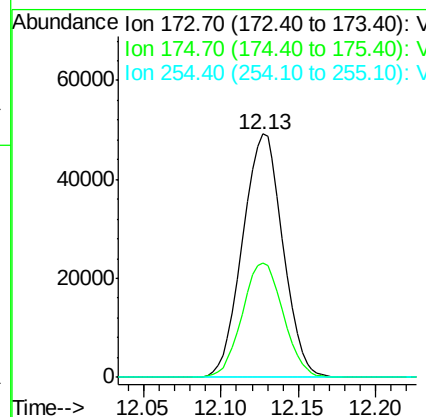
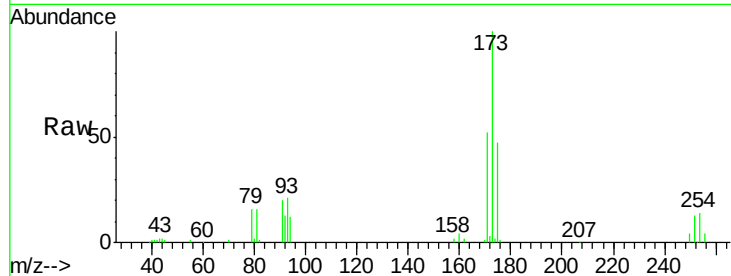
#71  
Bromoform  
Concen: 20.385 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.6  | 24.6  | 74.0  |
| 254     | 0.0   | 0.2   | 0.2   |

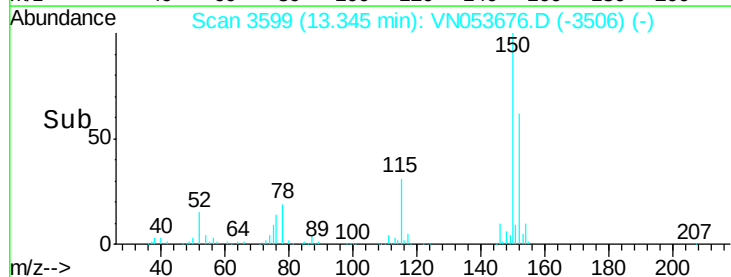
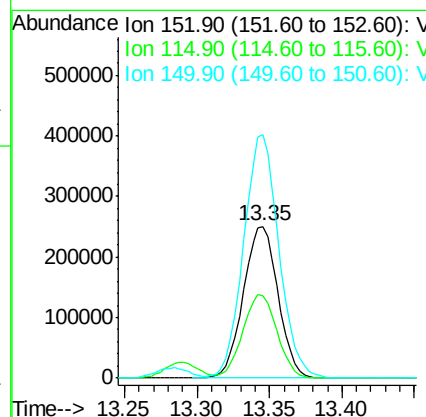
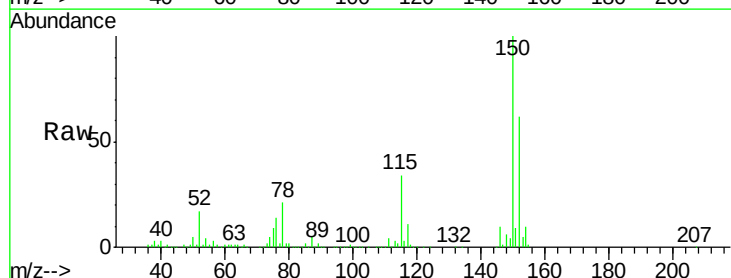
Manual Integrations  
APPROVED

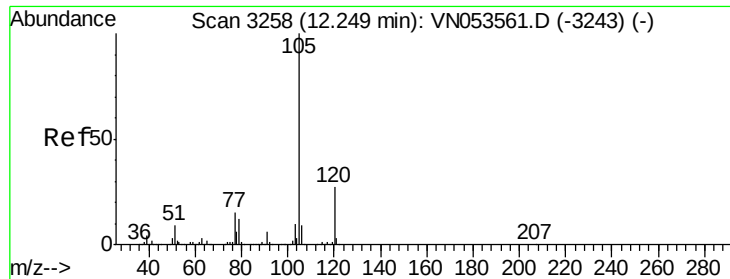
MMDadoda  
2/11/2019 9:50:16 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.8  | 27.8  | 83.4  |
| 150     | 163.0 | 0.0   | 349.0 |





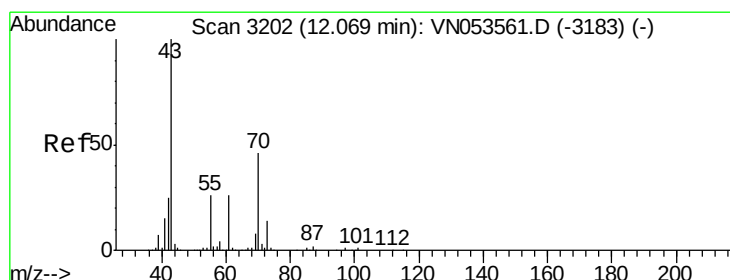
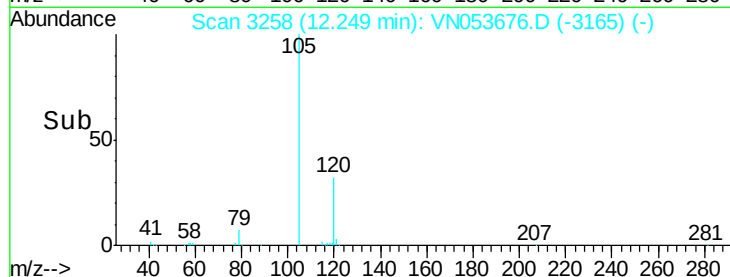
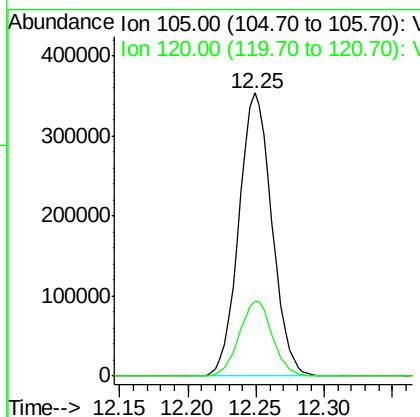
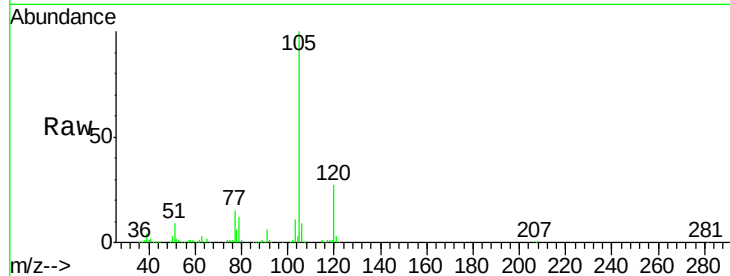
#73  
Isopropylbenzene  
Concen: 20.236 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.6  | 13.6  | 40.7  |

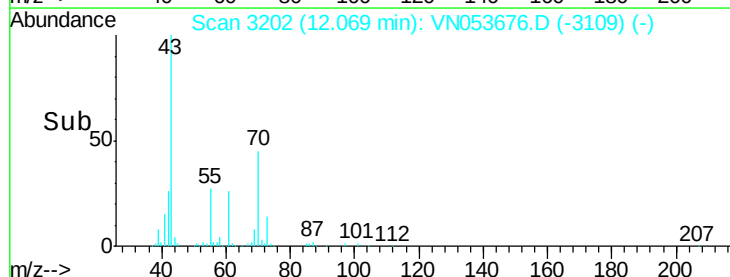
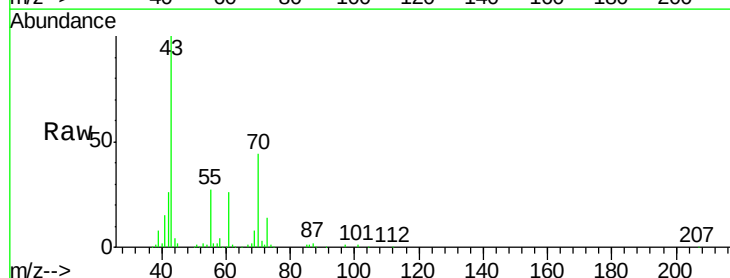
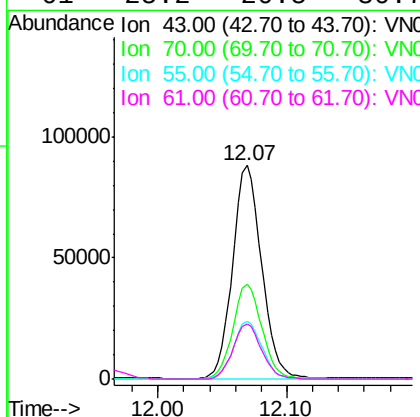
Manual Integrations  
APPROVED

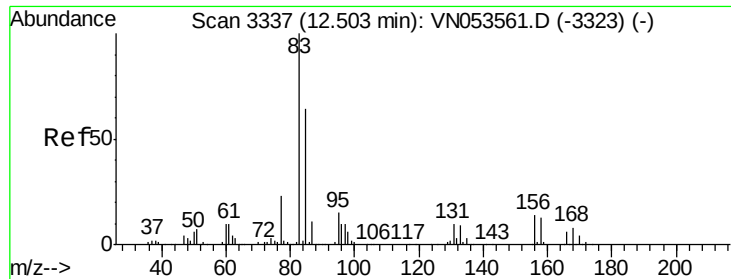
MMDadoda  
2/11/2019 9:50:16 AM



#74  
N-ethyl acetate  
Concen: 19.741 ug/l  
RT: 12.07 min Scan# 3202  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 44.3  | 35.4  | 53.2  |
| 55      | 26.7  | 20.9  | 31.3  |
| 61      | 25.2  | 20.5  | 30.7  |





#75

1,1,2,2-Tetrachloroethane

Concen: 19.500 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

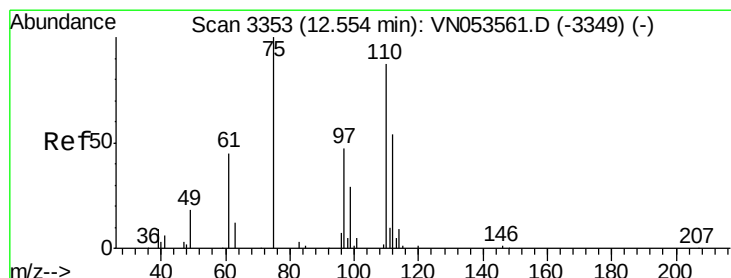
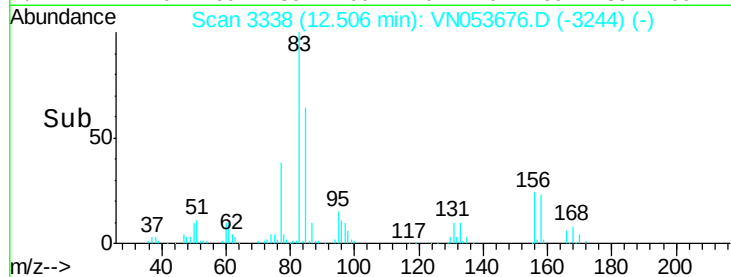
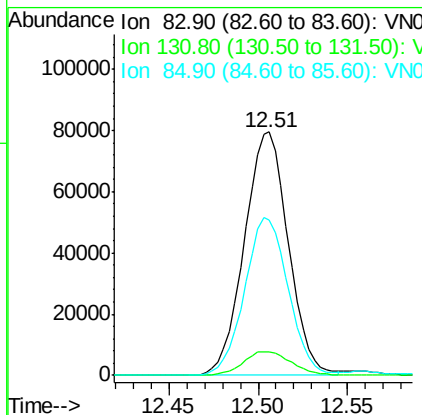
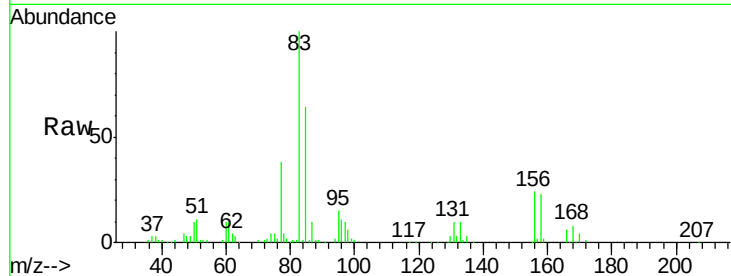
ClientSampled :

VN0208MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 136735 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.6  | 5.3   | 15.8   |
| 85        | 64.3  | 32.1  | 96.3   |

Manual Integrations  
APPROVED

MMDadoda  
2/11/2019 9:50:16 AM



#76

1,2,3-Trichloropropane

Concen: 19.323 ug/l m

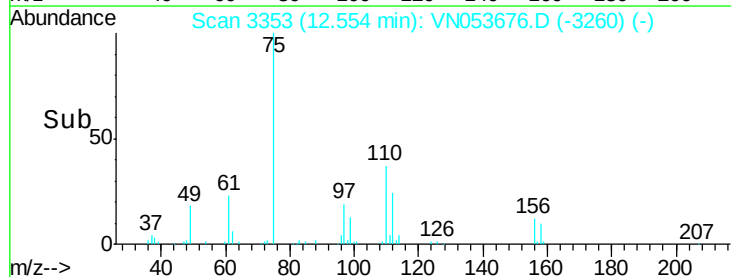
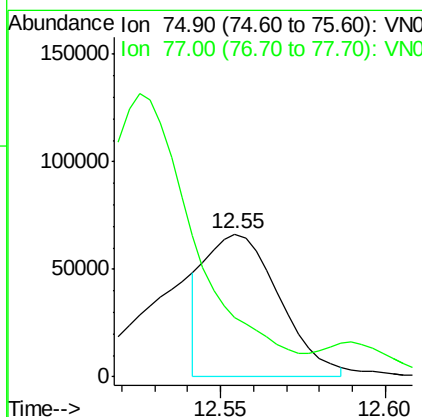
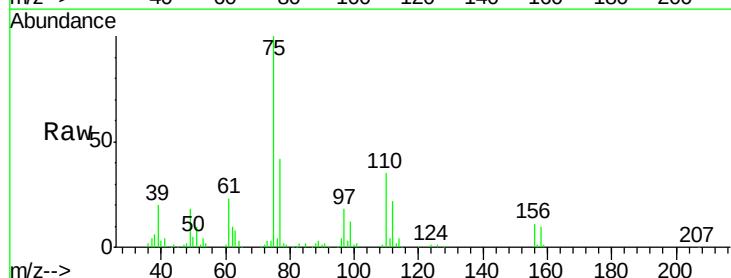
RT: 12.55 min Scan# 3353

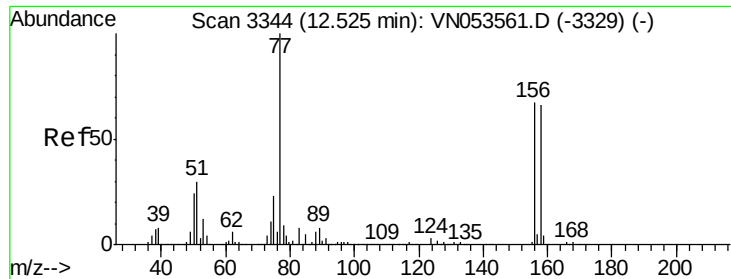
Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 103439 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 19.947 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

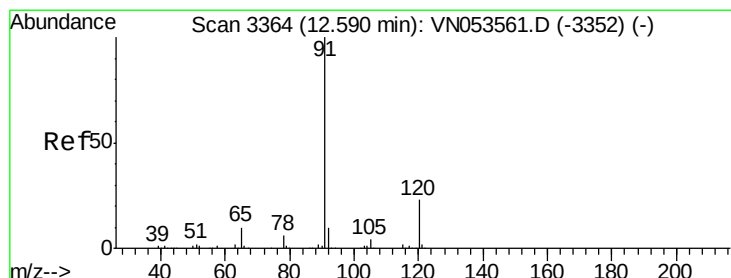
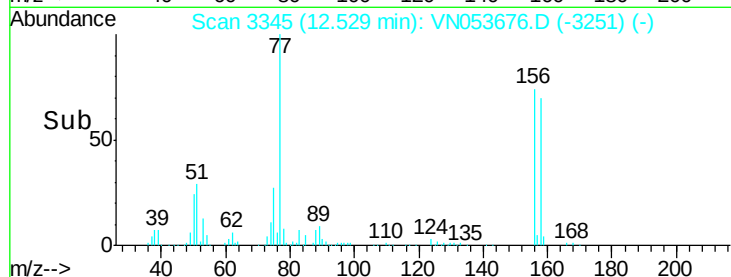
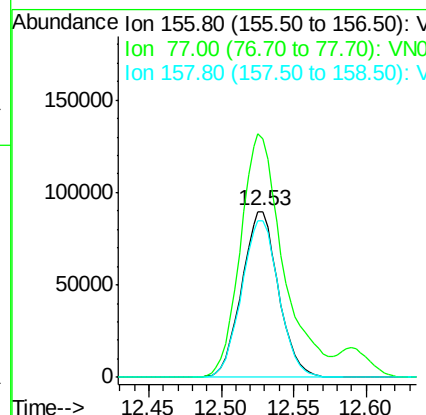
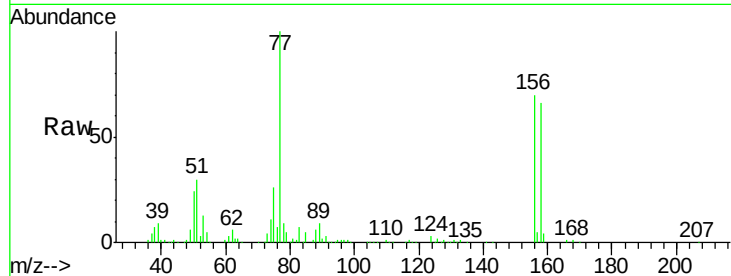
ClientSampleId :

VN0208MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 170.2 | 87.9  | 263.8 |
| 158     | 96.3  | 48.8  | 146.4 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 20.303 ug/l

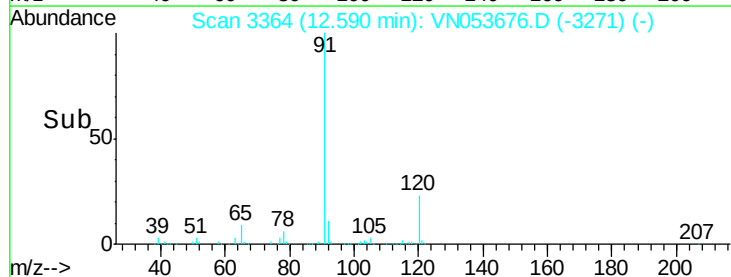
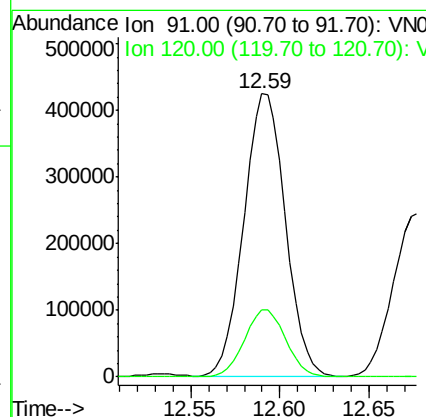
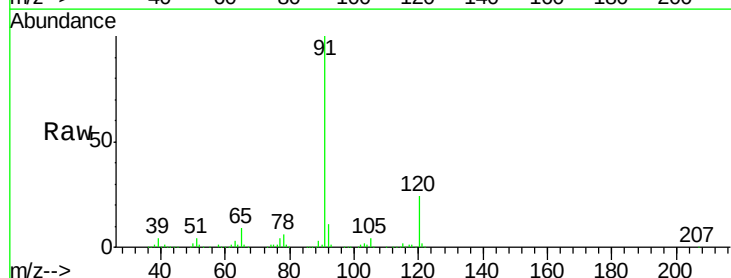
RT: 12.59 min Scan# 3364

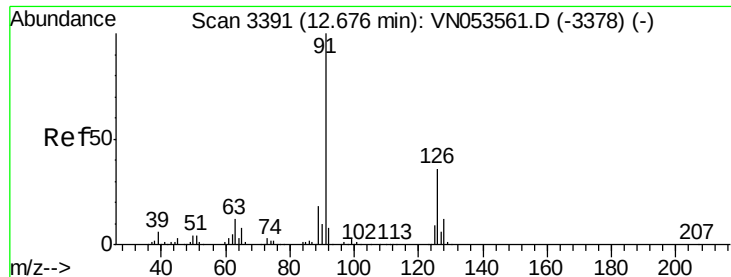
Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.7  | 11.9  | 35.5  |





#79

2-Chlorotoluene

Concen: 20.306 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0208MBS01

Tot Ion: 91 Resp: 408033

Ion Ratio Lower Upper

91 100

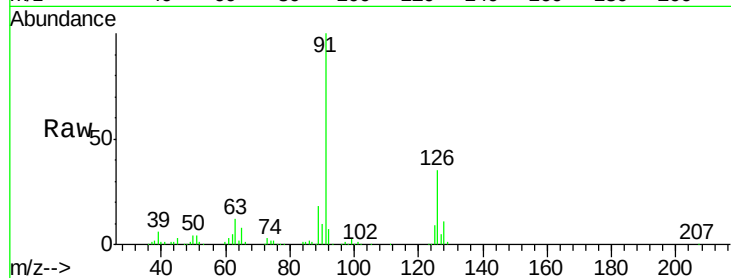
126 35.4 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)

400000

300000

200000

100000

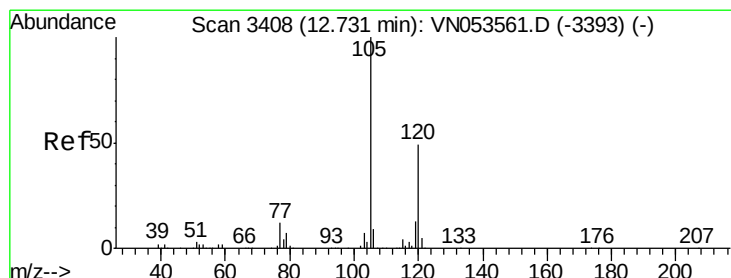
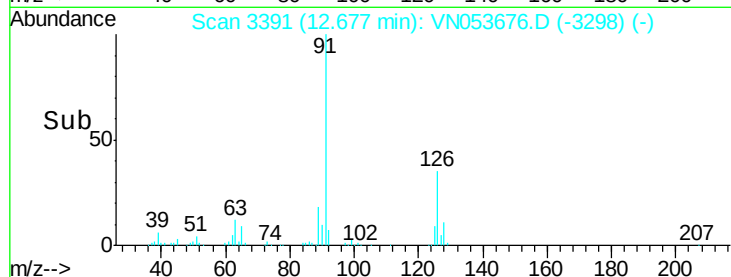
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.900 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053676.D

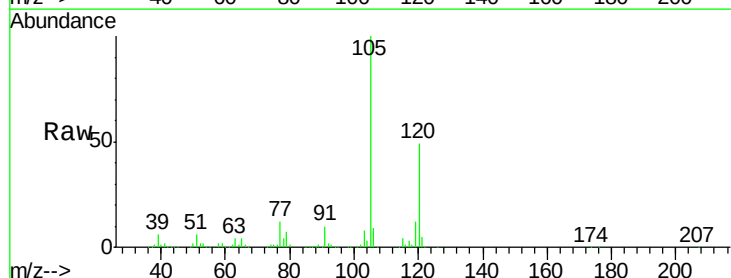
Acq: 8 Feb 2019 12:50

Tgt Ion: 105 Resp: 507790

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)

300000

200000

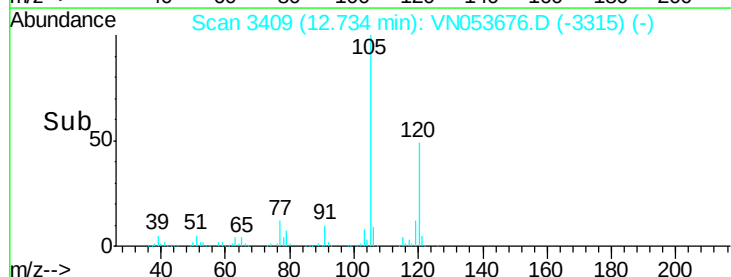
100000

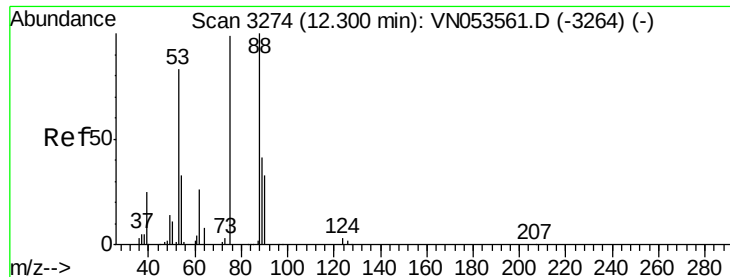
0

12.70

12.80

Time-->





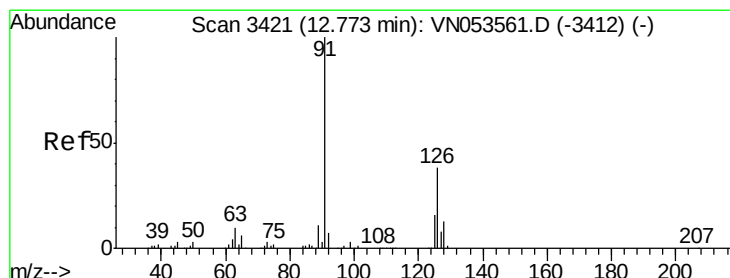
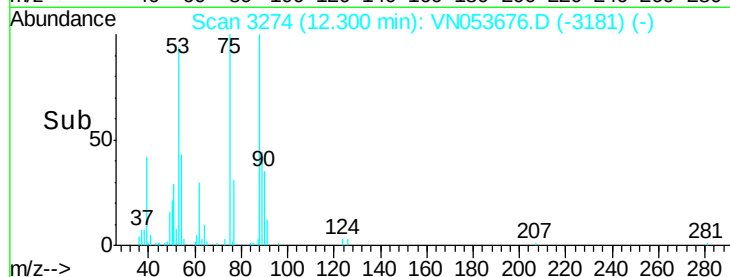
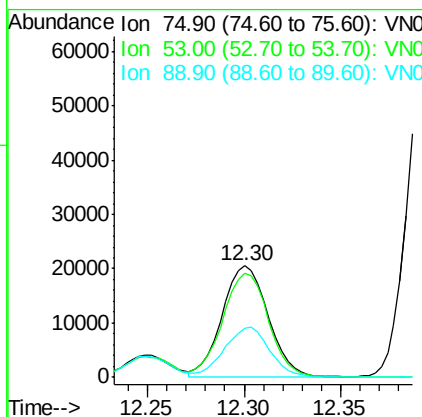
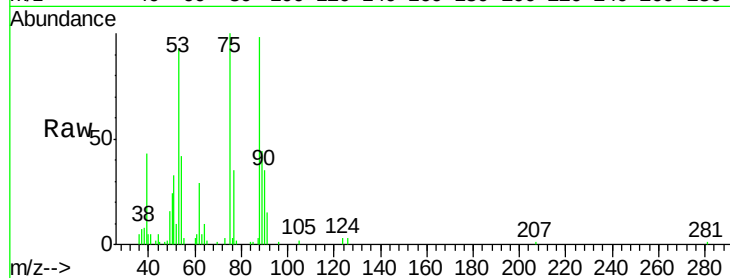
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.002 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 93.3  | 69.8  | 104.6 |
| 89      | 43.7  | 35.6  | 53.4  |

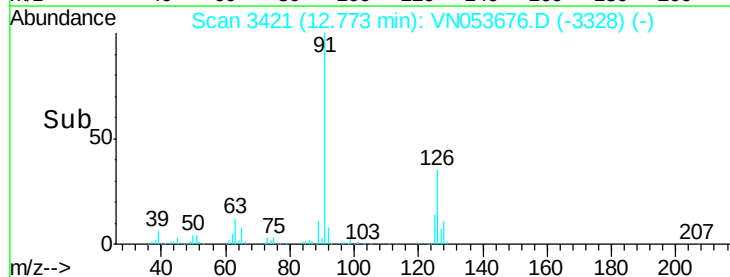
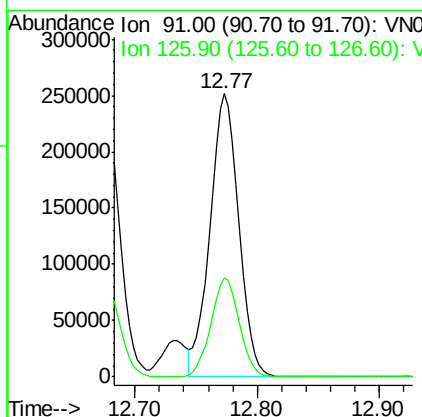
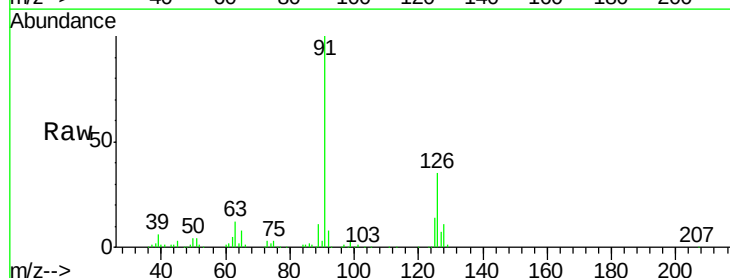
Manual Integrations  
APPROVED

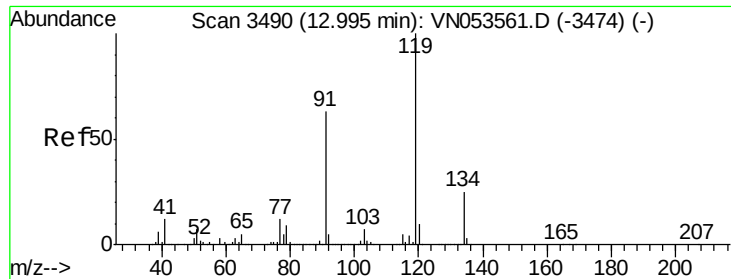
MMDadoda  
2/11/2019 9:50:16 AM



#82  
4-Chlorotoluene  
Concen: 20.120 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.7  | 17.6  | 52.9  |





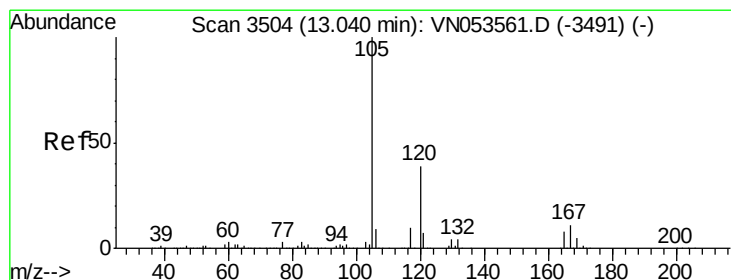
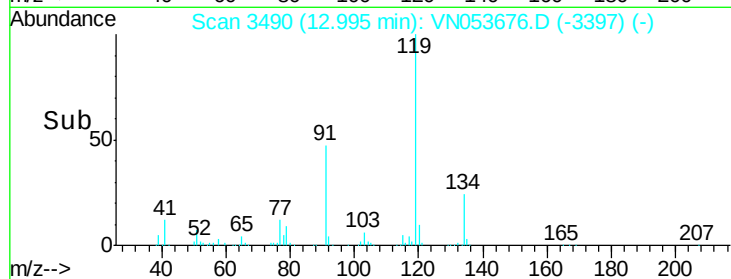
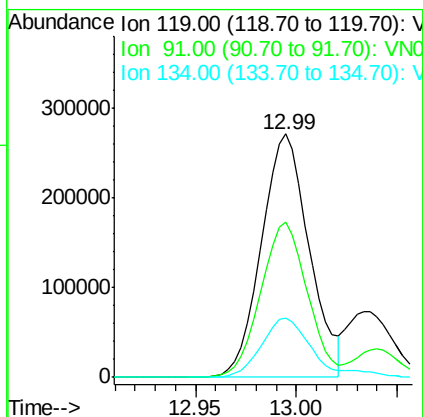
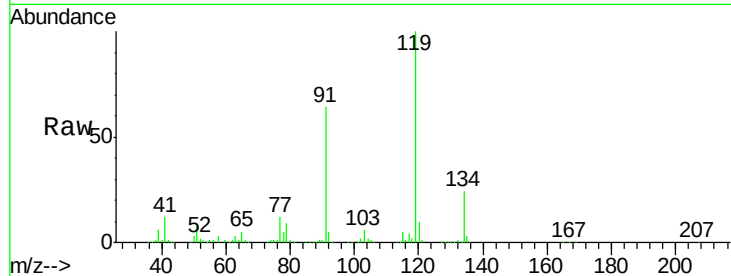
#83  
 tert-Butylbenzene  
 Concen: 20.859 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0208MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 447902 |       |       |
| 91      | 61.9  |        | 31.3  | 93.8  |
| 134     | 24.4  |        | 12.9  | 38.7  |

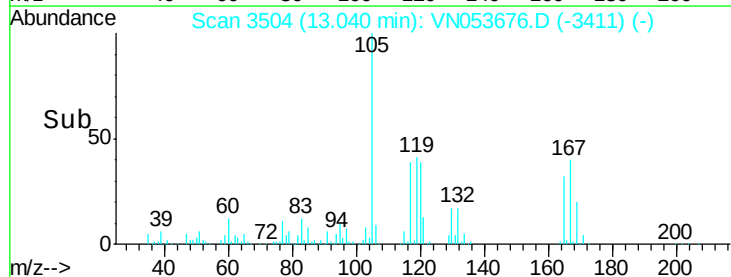
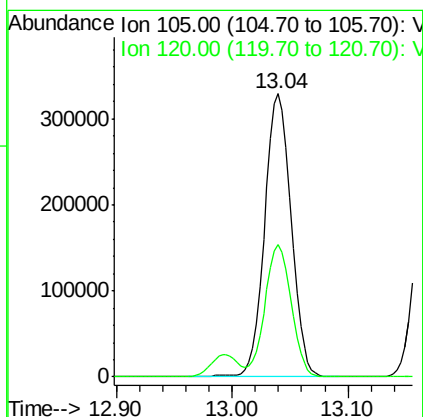
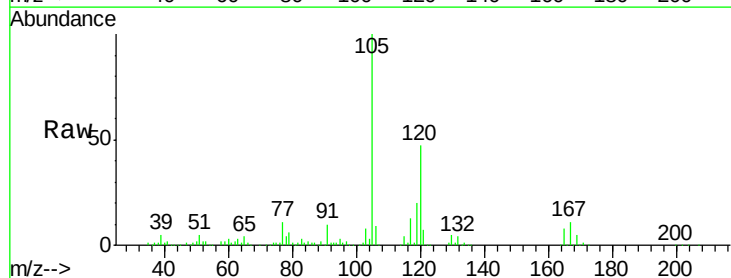
Manual Integrations  
 APPROVED

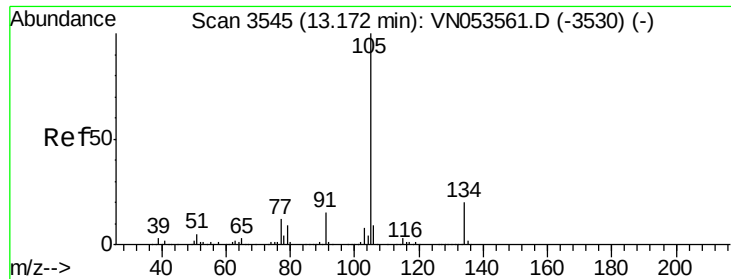
MMDadoda  
 2/11/2019 9:50:16 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.122 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 522840 |       |       |
| 120     | 46.2  |        | 23.0  | 69.0  |





#85

sec-Butylbenzene

Concen: 21.173 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0208MBS01

Tot Ion:105 Resp: 618692

Ion Ratio Lower Upper

105 100

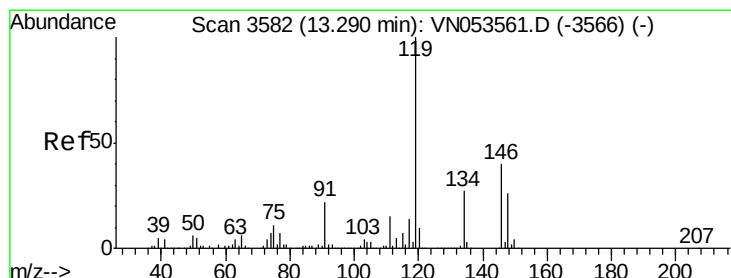
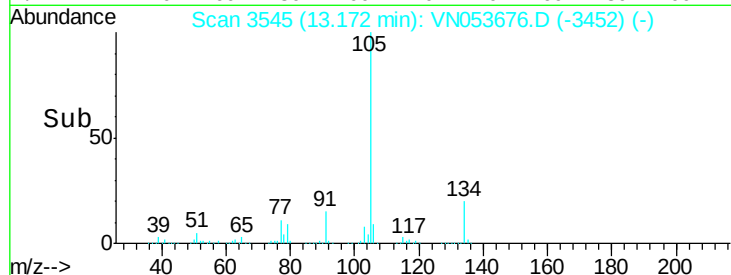
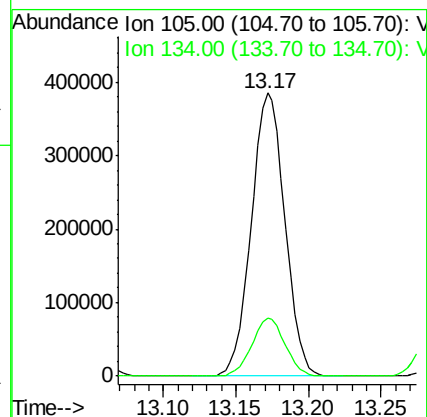
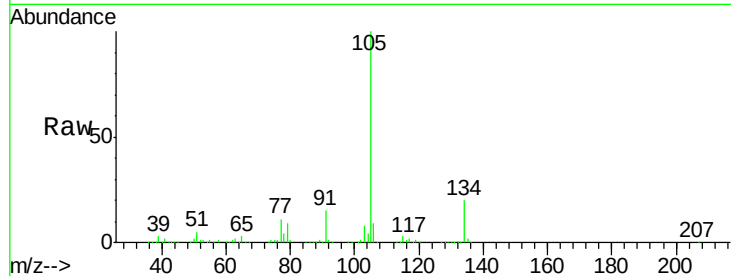
134 20.3 10.2 30.6

Manual Integrations

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MMDadoda

2/11/2019 9:50:16 AM



#86

p-Isopropyltoluene

Concen: 21.029 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053676.D

Acq: 8 Feb 2019 12:50

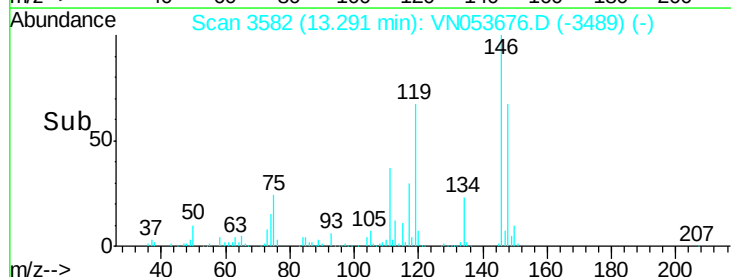
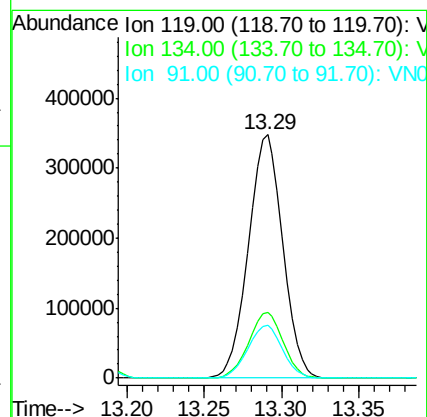
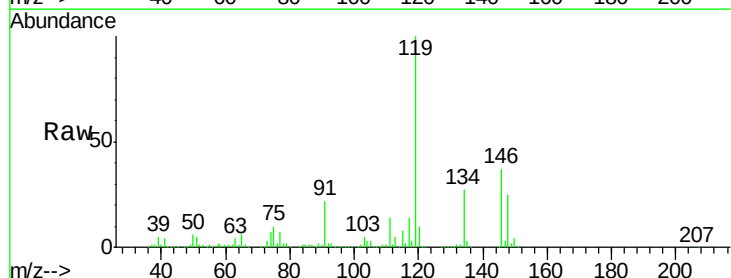
Tgt Ion:119 Resp: 537429

Ion Ratio Lower Upper

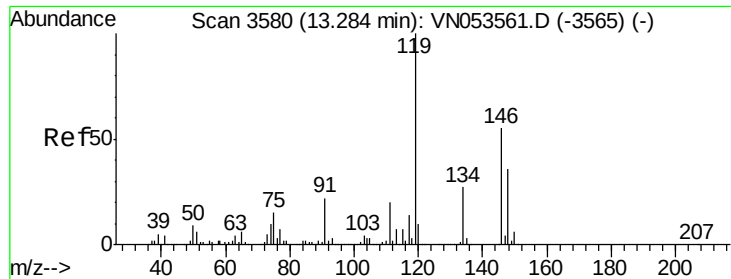
119 100

134 27.0 13.5 40.4

91 22.0 11.0 33.0







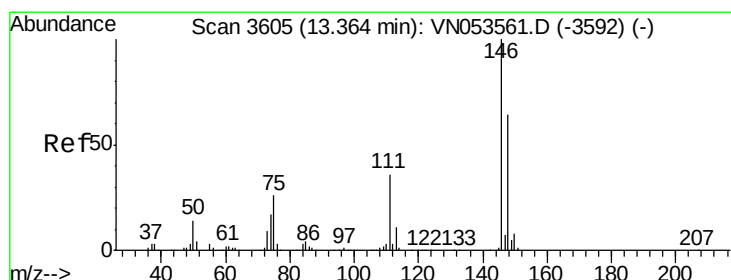
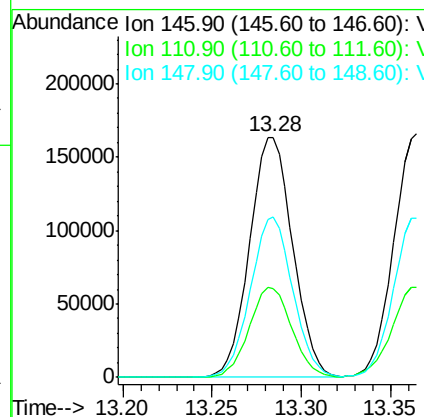
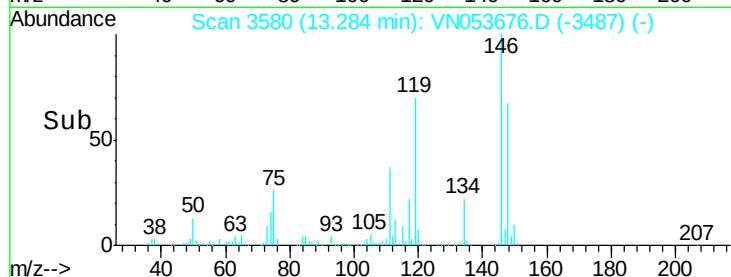
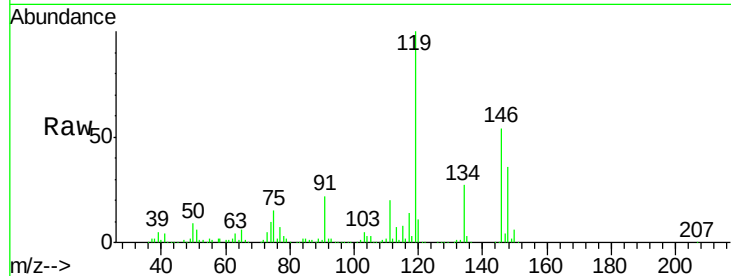
#87  
 1,3-Dichlorobenzene  
 Concen: 19.448 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0208MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 276061 |       |       |
| 111     | 37.0  | 18.8   | 56.3  |       |
| 148     | 65.5  | 32.0   | 96.2  |       |

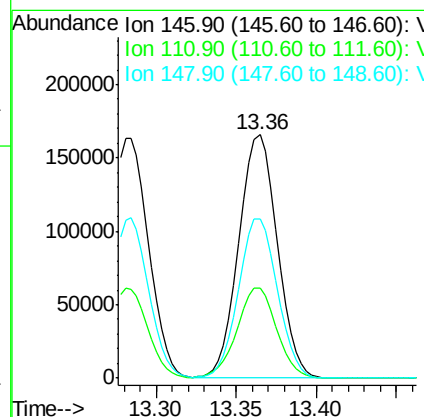
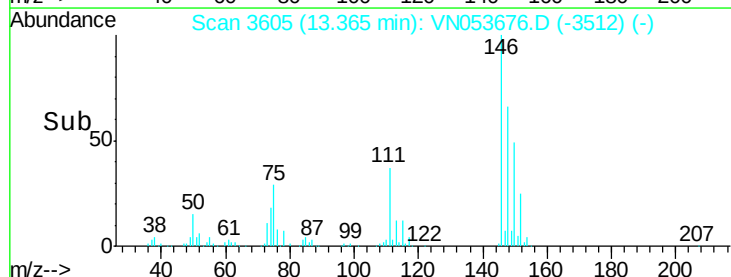
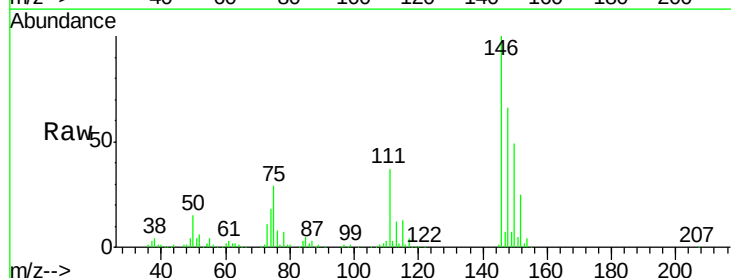
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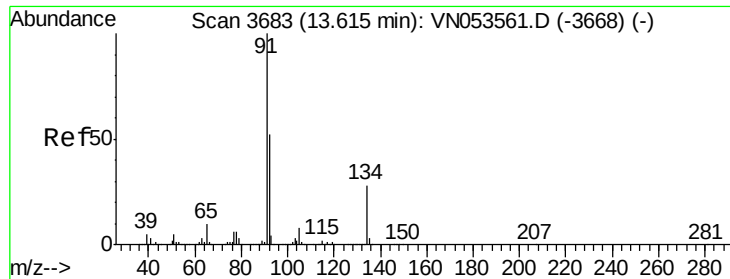
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 19.366 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 271919 |       |       |
| 111     | 38.1  | 18.6   | 55.8  |       |
| 148     | 66.3  | 32.4   | 97.0  |       |





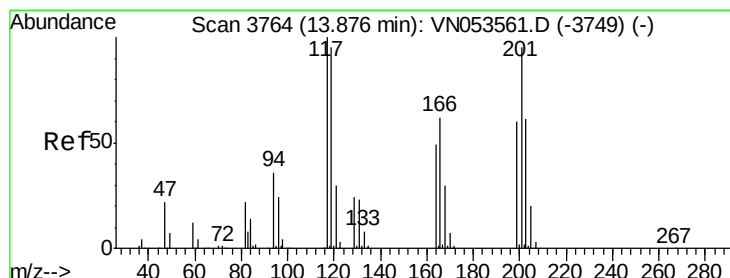
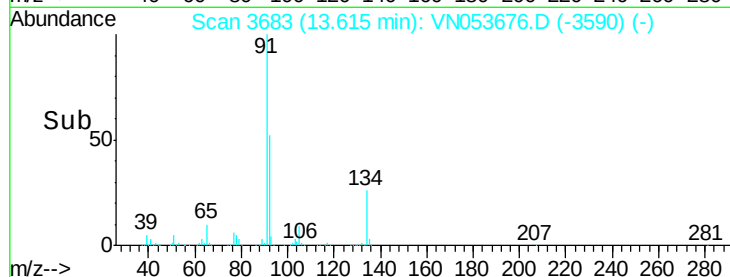
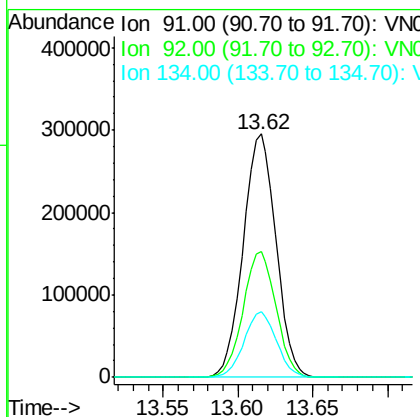
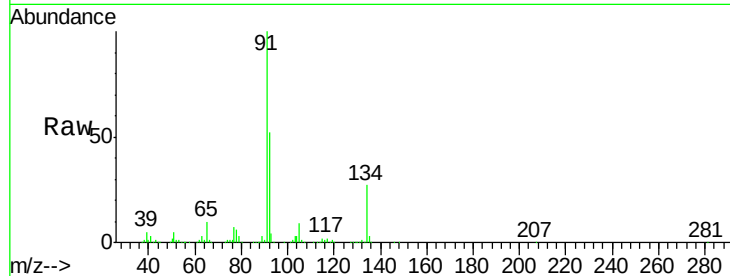
#89  
n-Butylbenzene  
Concen: 20.365 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.8  | 26.3  | 78.8  |
| 134     | 26.7  | 13.5  | 40.5  |

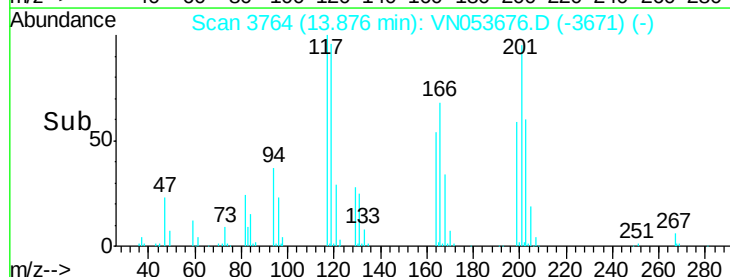
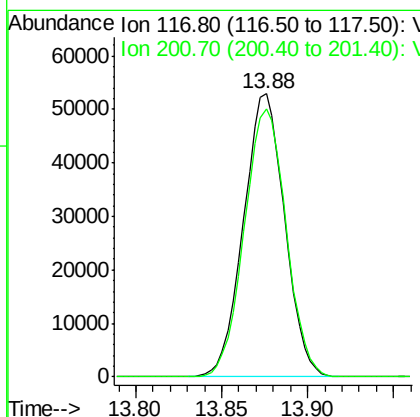
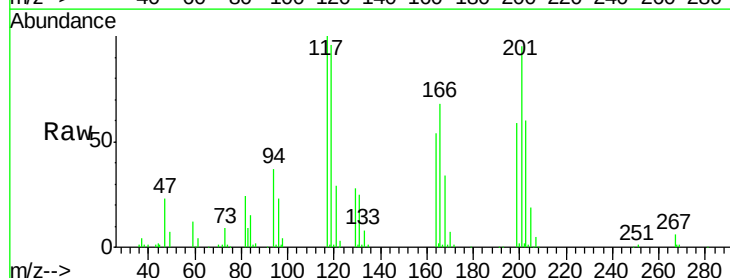
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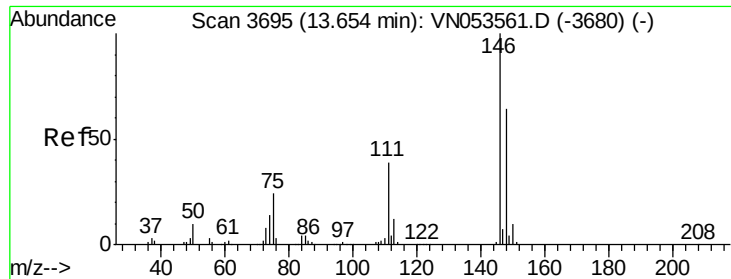
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#90  
Hexachloroethane  
Concen: 20.891 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 95.9  | 46.8  | 140.4 |





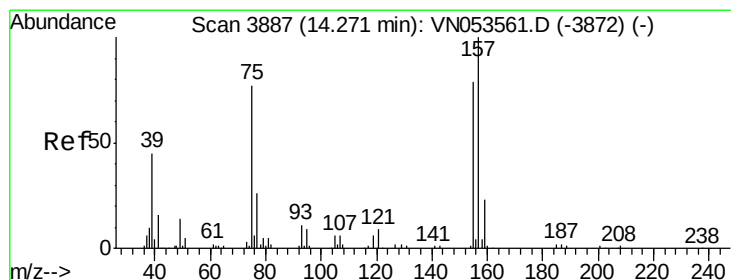
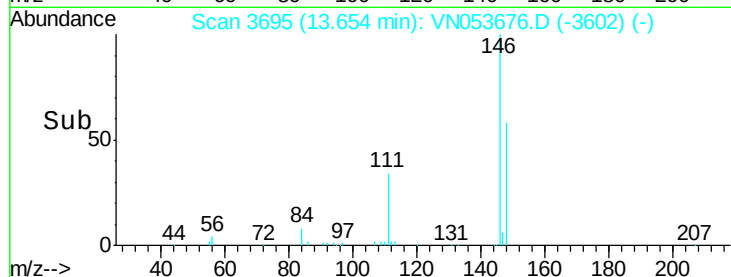
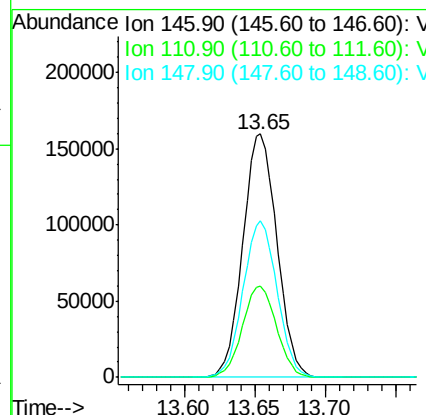
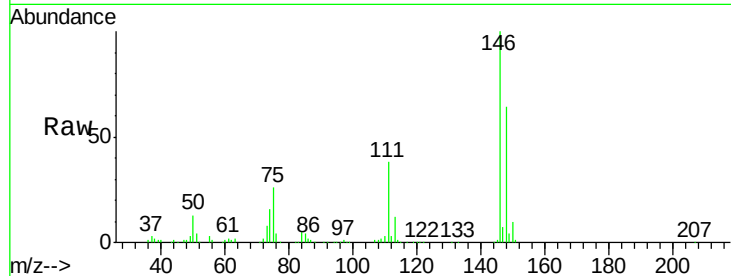
#91  
 1,2-Dichlorobenzene  
 Concen: 19.928 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0208MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.6  | 19.5  | 58.5  |
| 148     | 64.1  | 31.9  | 95.9  |

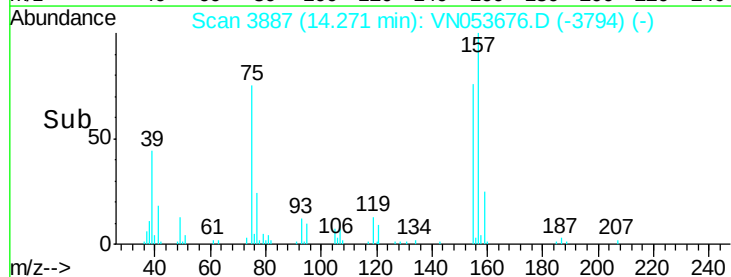
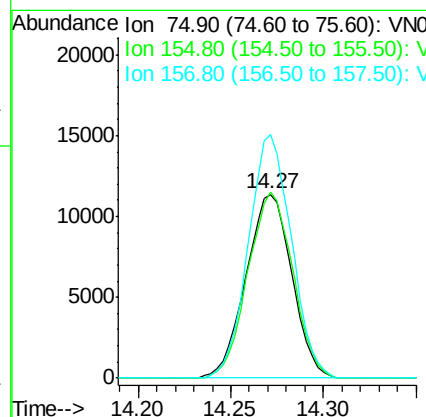
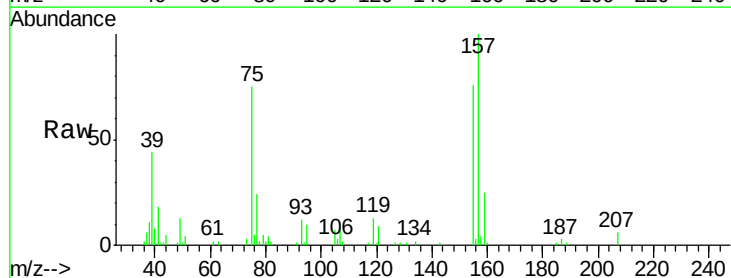
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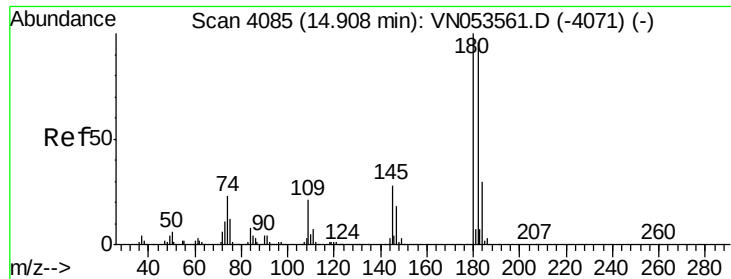
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.511 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 98.9  | 48.9  | 146.7 |
| 157     | 124.1 | 63.7  | 191.3 |





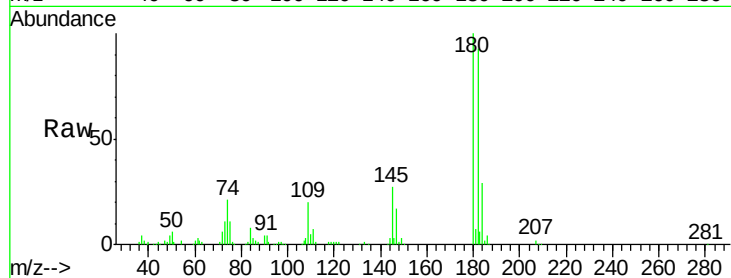
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.548 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0208MBS01

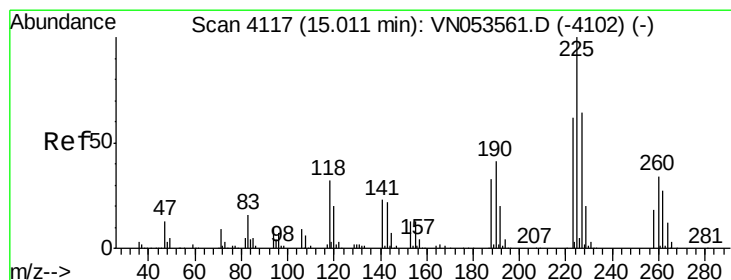
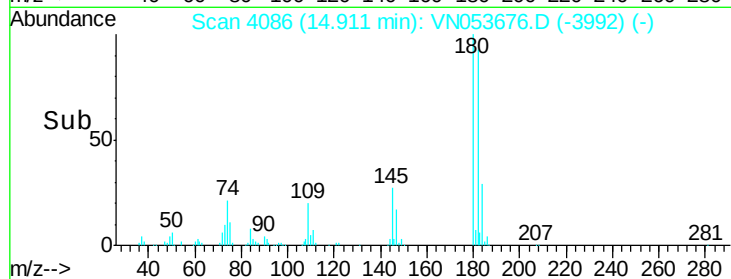
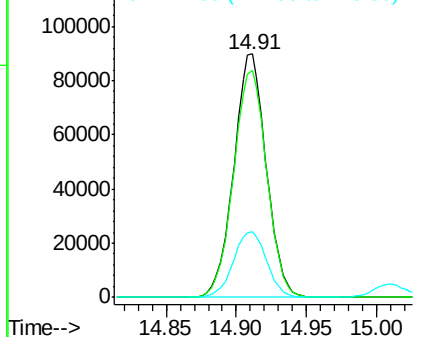
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 144559 |       |       |
| 182     | 95.4  | 48.1   | 144.3 |       |
| 145     | 27.7  | 13.9   | 41.6  |       |

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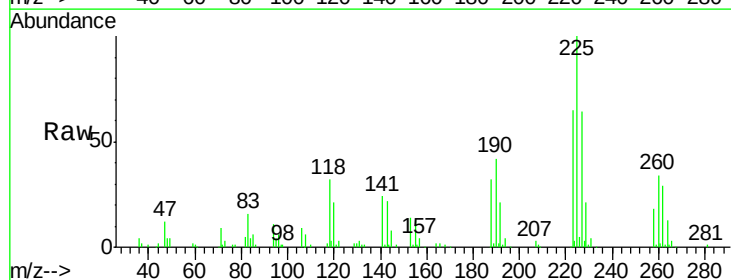


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

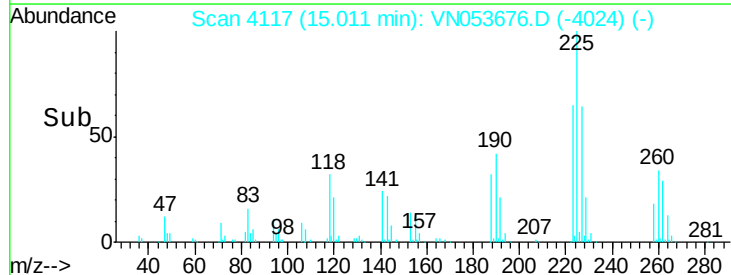
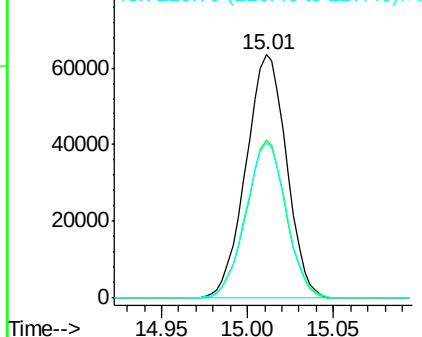


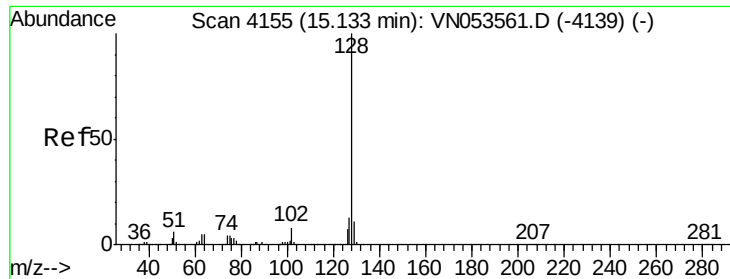
#94  
 Hexachlorobutadiene  
 Concen: 21.414 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN053676.D  
 Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 103935 |       |       |
| 223     | 63.6  | 31.1   | 93.2  |       |
| 227     | 64.0  | 32.0   | 96.2  |       |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





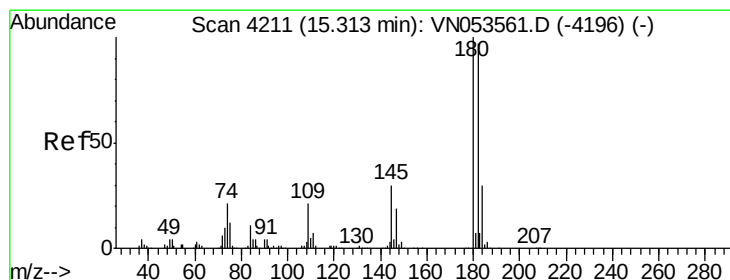
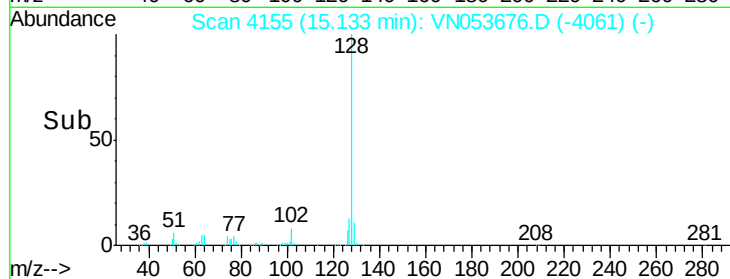
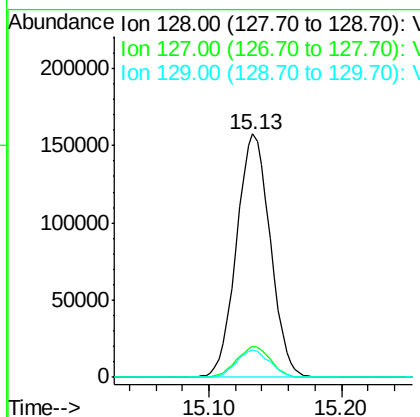
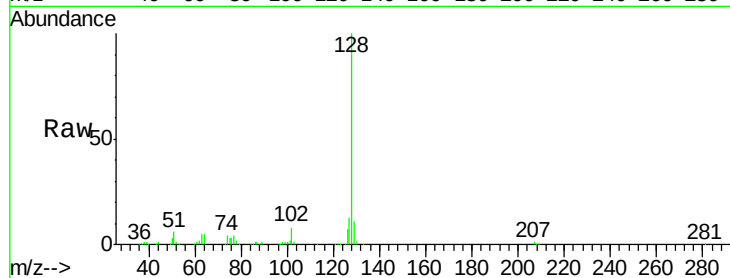
#95  
Naphthalene  
Concen: 16.427 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0208MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 10.3  | 15.5  |
| 129     | 11.0  | 8.6   | 13.0  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 18.929 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN053676.D  
Acq: 8 Feb 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 47.9  | 143.8 |
| 145     | 29.0  | 14.7  | 44.1  |

