

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\  
 Data File : VN050332.D  
 Acq On : 4 Aug 2018 00:06  
 Operator : MD\SY  
 Sample : VN0803WBSD03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0803WBSD03

Manual Integrations  
 APPROVED

MMDadoda  
 8/6/2018 11:37:08 AM

Quant Time: Aug 04 01:56:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 582473   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 887438   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 800635   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 419014   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response   | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|------------|--------|-------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 403092     | 49.60  | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 99.20% |       |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 356132     | 49.15  | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 98.30% |       |          |
| 50) Toluene-d8              | 10.09 | 98   | 1283740    | 48.19  | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 96.38% |       |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 430731     | 49.11  | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 98.22% |       |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 168489   | 20.13  | ug/l  | 100    |
| 3) Chloromethane              | 2.06 | 50   | 165348   | 18.18  | ug/l  | 99     |
| 4) Vinyl Chloride             | 2.18 | 62   | 186164   | 19.43  | ug/l  | 98     |
| 5) Bromomethane               | 2.56 | 94   | 89113    | 16.07  | ug/l  | 97     |
| 6) Chloroethane               | 2.70 | 64   | 111543   | 19.39  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 3.01 | 101  | 254819   | 20.53  | ug/l  | 100    |
| 8) Diethyl Ether              | 3.41 | 74   | 91502    | 22.12  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101  | 154802   | 20.74  | ug/l  | 99     |
| 10) Methyl Iodide             | 3.95 | 142  | 89354    | 9.33   | ug/l  | 97     |
| 11) Tert butyl alcohol        | 4.80 | 59   | 74327    | 124.30 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 3.73 | 96   | 138566   | 20.64  | ug/l  | 95     |
| 13) Acrolein                  | 3.61 | 56   | 72748    | 151.42 | ug/l  | 96     |
| 14) Allyl chloride            | 4.32 | 41   | 217968   | 20.94  | ug/l  | 98     |
| 15) Acrylonitrile             | 5.00 | 53   | 303404   | 116.30 | ug/l  | 99     |
| 16) Acetone                   | 3.82 | 43   | 249913   | 128.44 | ug/l  | 99     |
| 17) Carbon Disulfide          | 4.05 | 76   | 351643   | 17.10  | ug/l  | 100    |
| 18) Methyl Acetate            | 4.33 | 43   | 226602   | 29.78  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73   | 419495   | 23.45  | ug/l  | 99     |
| 20) Methylene Chloride        | 4.55 | 84   | 164716   | 22.16  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96   | 147364   | 20.72  | ug/l  | 99     |
| 22) Diisopropyl ether         | 5.96 | 45   | 498112   | 24.13  | ug/l  | 98     |
| 23) Vinyl Acetate             | 5.90 | 43   | 1560831  | 107.01 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63   | 299222   | 22.17  | ug/l  | 100    |
| 25) 2-Butanone                | 6.84 | 43   | 366660   | 118.28 | ug/l  | 98     |
| 26) 2,2-Dichloropropane       | 6.82 | 77   | 180520   | 17.58  | ug/l  | 98     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 173229   | 22.62  | ug/l  | 98     |
| 28) Bromochloromethane        | 7.20 | 49   | 130551   | 21.21  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 7.22 | 42   | 235894   | 117.77 | ug/l  | 99     |
| 30) Chloroform                | 7.37 | 83   | 306101   | 22.22  | ug/l  | 98     |
| 31) Cyclohexane               | 7.66 | 56   | 226008   | 20.15  | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 254470   | 21.60  | ug/l  | 100    |
| 36) 1,1-Dichloropropene       | 7.80 | 75   | 209503   | 20.95  | ug/l  | 99     |
| 37) Ethyl Acetate             | 6.94 | 43   | 154831   | 22.21  | ug/l  | 100    |
| 38) Carbon Tetrachloride      | 7.78 | 117  | 219664   | 20.71  | ug/l  | 98     |

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 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0803WBSD03

Manual Integrations  
 APPROVED

MMDadoda  
 8/6/2018 11:37:08 AM

Quant Time: Aug 04 01:56:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 196776   | 19.13  | ug/l   | 97       |
| 40) Benzene                    | 8.05  | 78   | 663565   | 21.81  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 82272    | 24.16  | ug/l # | 83       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 219433   | 21.62  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 304448   | 22.55  | ug/l # | 91       |
| 44) Trichloroethene            | 8.84  | 130  | 171778   | 21.01  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 177011   | 21.97  | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 110552   | 22.09  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.41  | 83   | 227688   | 21.56  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 137410   | 22.89  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 39462    | 483.01 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 819768   | 119.63 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 398881   | 22.21  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 212681   | 21.34  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 243588   | 21.39  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 164459   | 23.09  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 196077   | 21.53  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 265960   | 22.93  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 409247   | 96.21  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 553833   | 112.89 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 174888   | 22.17  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 157115   | 22.23  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 165894   | 21.55  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.44 | 112  | 437653   | 21.64  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 168088   | 21.63  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.51 | 91   | 723330   | 22.27  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 560711   | 45.63  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 267590   | 22.84  | ug/l   | 100      |
| 70) Styrene                    | 11.97 | 104  | 440436   | 21.67  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 123401   | 21.83  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 718001   | 22.09  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 226191   | 22.77  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 216254   | 24.00  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 179306m  | 23.03  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 193140   | 21.44  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 821762   | 22.62  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 495371   | 22.00  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 597696   | 23.38  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 50390    | 20.52  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 508355   | 22.80  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 508220   | 22.78  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 616232   | 23.92  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 681307   | 22.86  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 583418   | 23.23  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 336828   | 22.06  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 328774   | 22.09  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.62 | 91   | 459499   | 22.25  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 98239    | 17.62  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 338507   | 22.18  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 34161    | 23.16  | ug/l   | 98       |

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Operator : MD\SY  
Sample : VN0803WBSD03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

Manual Integrations  
APPROVED

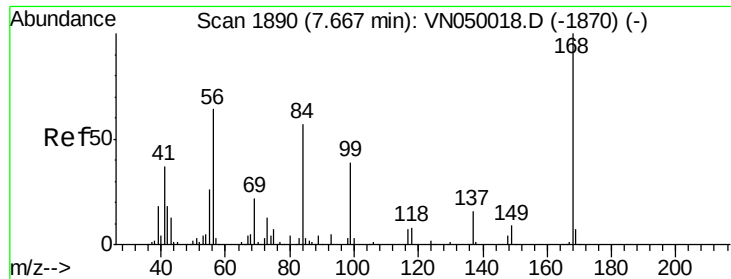
MMDadoda  
8/6/2018 11:37:08 AM

Quant Time: Aug 04 01:56:53 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 177220   | 23.63 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 96867    | 20.73 | ug/l  | 99       |
| 95) Naphthalene            | 15.14 | 128  | 414528   | 24.16 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 178708   | 23.87 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0803WBSD03

Tot Ion:168 Resp: 582473

Ion Ratio Lower Upper

168 100

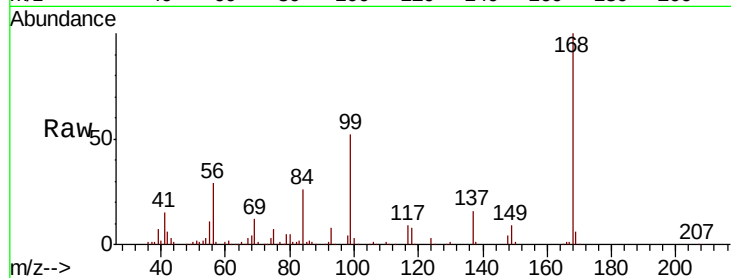
99 51.1 40.0 60.0

Manual Integrations

APPROVED

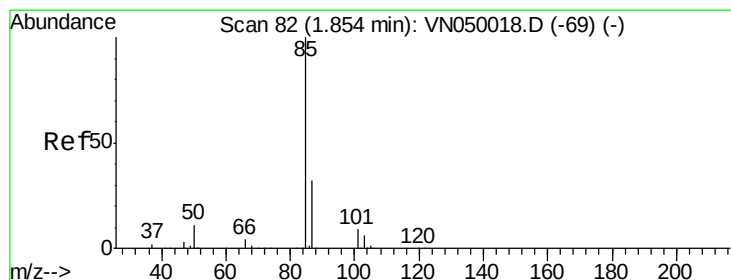
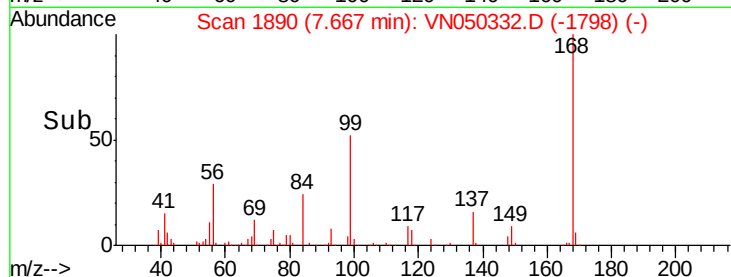
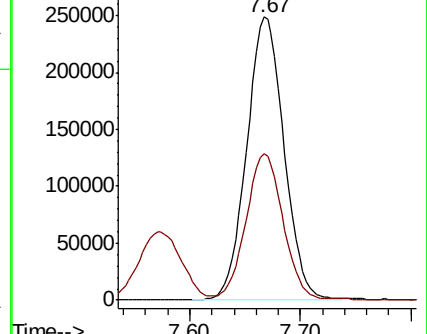
MMDadoda

8/6/2018 11:37:08 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.13 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050332.D

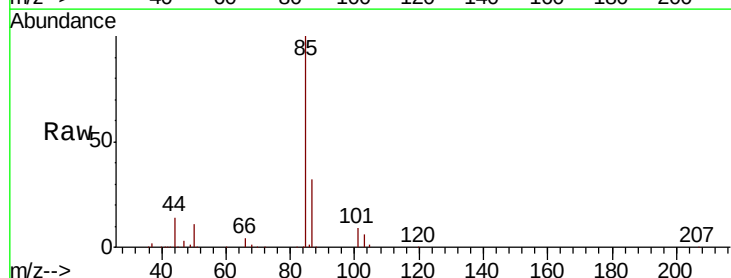
Acq: 4 Aug 2018 00:06

Tgt Ion: 85 Resp: 168489

Ion Ratio Lower Upper

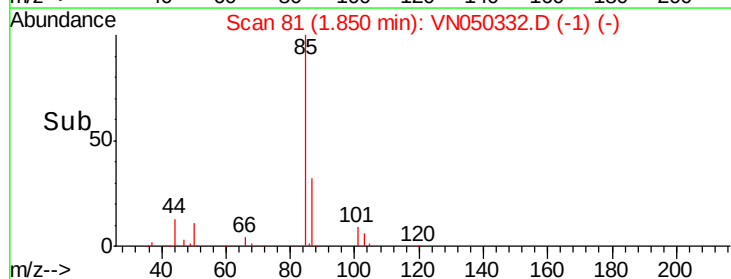
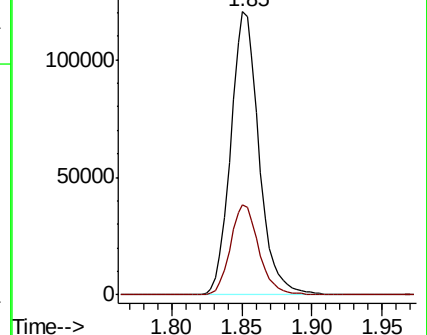
85 100

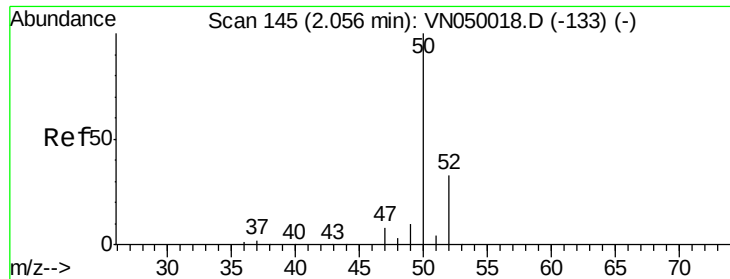
87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.18 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0803WBSD03

Tot Ion: 50 Resp: 165348

Ion Ratio Lower Upper

50 100

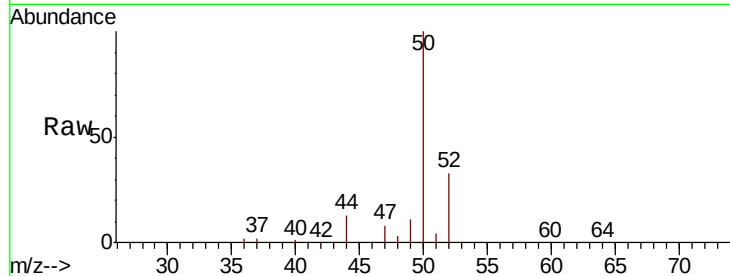
52 32.9 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/6/2018 11:37:08 AM



Abundance Ion 49.90 (49.60 to 50.60): VN050332.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN050332.D (-52) (-)

2.06

150000

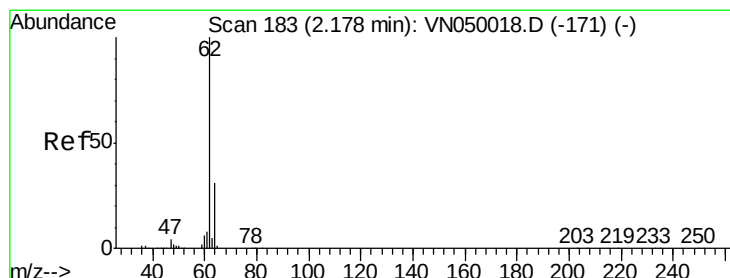
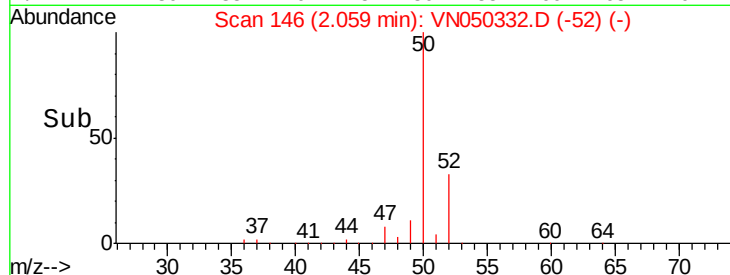
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50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 19.43 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050332.D

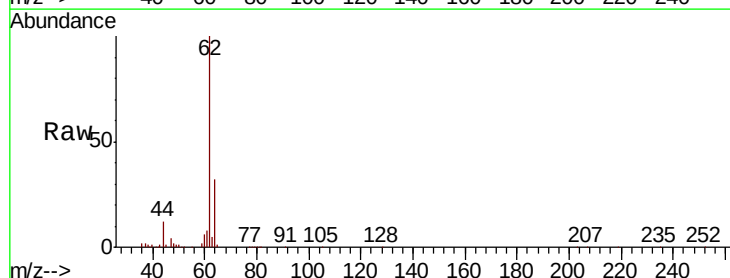
Acq: 4 Aug 2018 00:06

Tgt Ion: 62 Resp: 186164

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN050332.D (-90) (-)

Ion 63.90 (63.60 to 64.60): VN050332.D (-90) (-)

2.18

150000

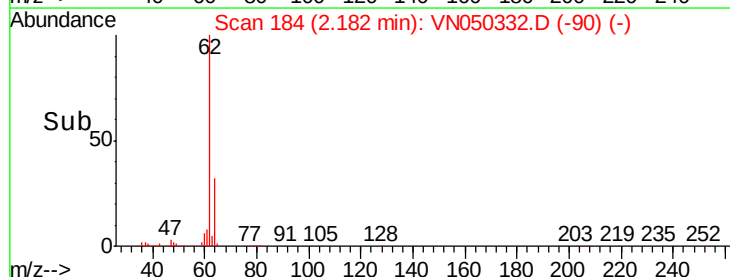
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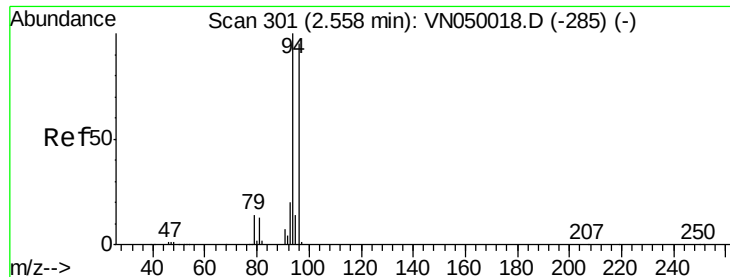
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 16.07 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

ClientSampled :

VN0803WBSD03

Tot Ion: 94 Resp: 89113

Ion Ratio Lower Upper

94 100

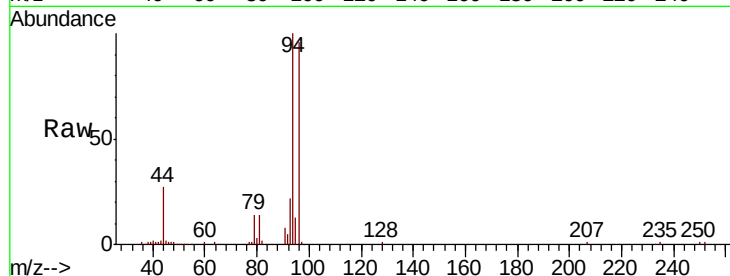
96 95.8 74.6 112.0

Manual Integrations

APPROVED

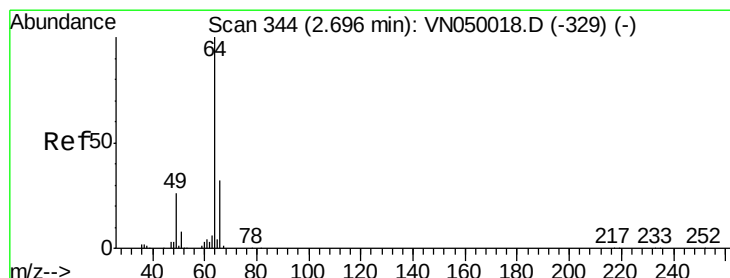
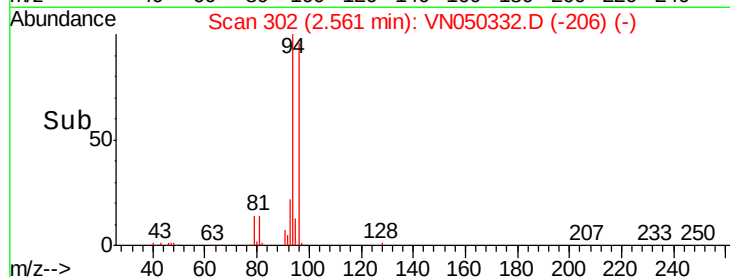
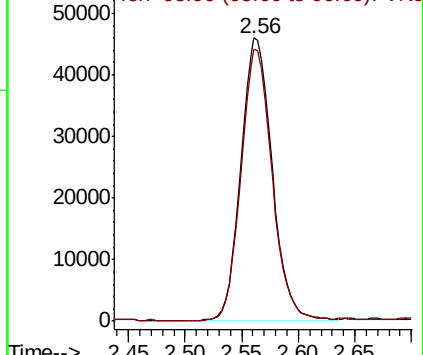
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8/6/2018 11:37:08 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.39 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050332.D

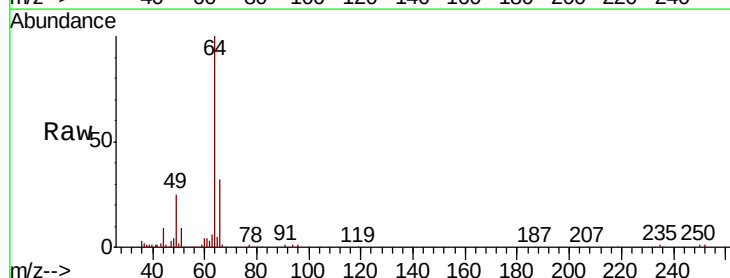
Acq: 4 Aug 2018 00:06

Tgt Ion: 64 Resp: 111543

Ion Ratio Lower Upper

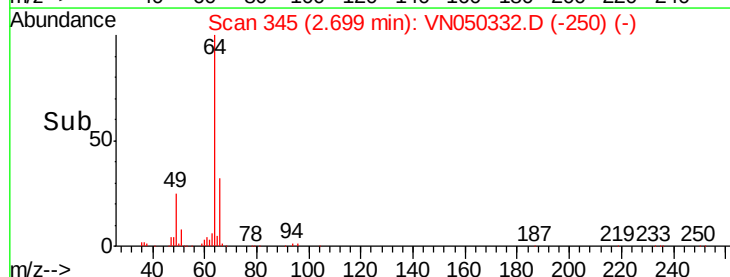
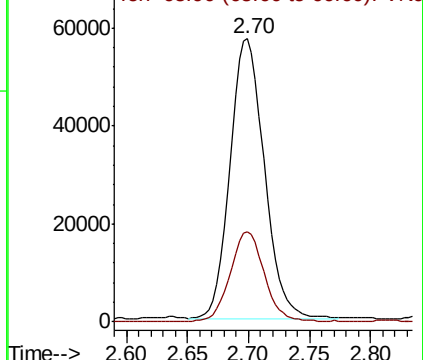
64 100

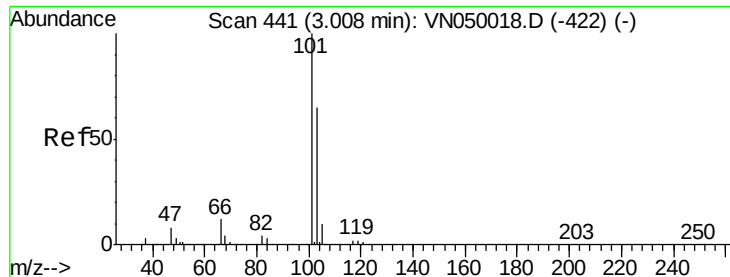
66 32.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

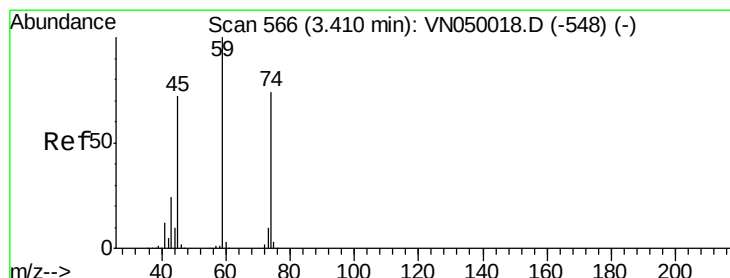
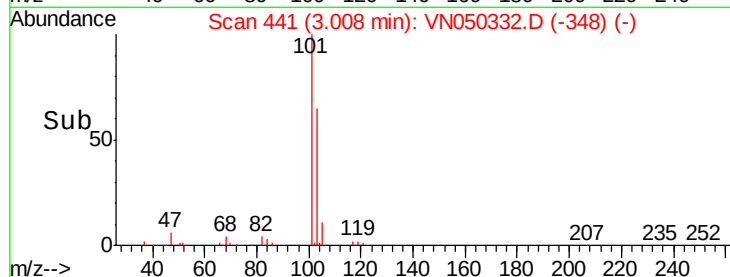
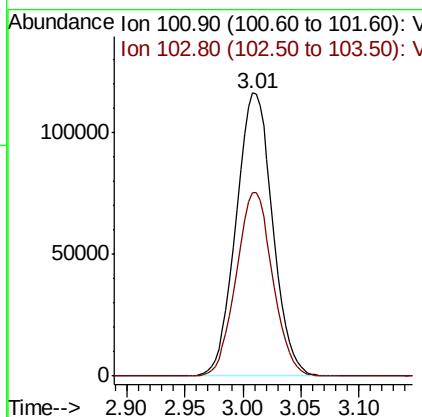
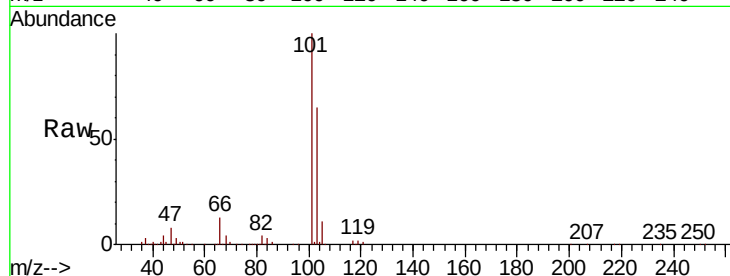
Trichlorofluoromethane  
 Concen: 20.53 ug/l  
 RT: 3.01 min Scan# 441  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0803WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.8  | 51.7  | 77.5  |

Manual Integrations  
 APPROVED

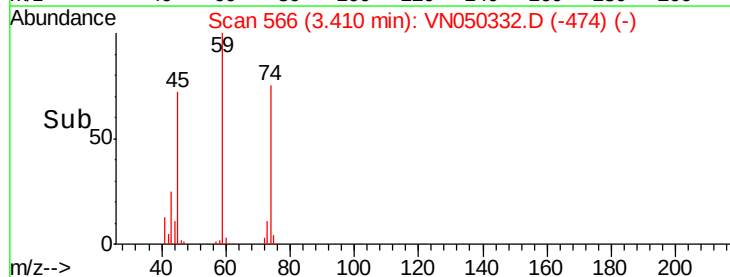
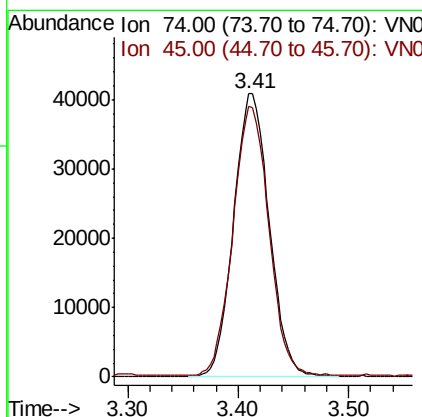
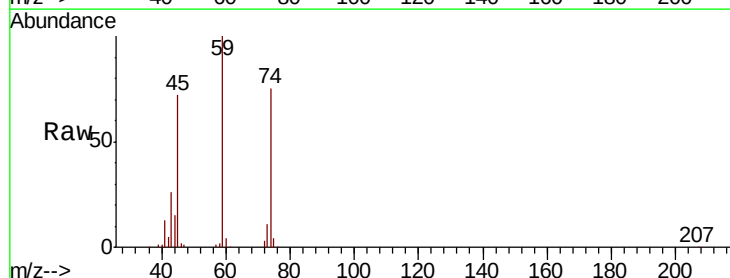
MMDadoda  
 8/6/2018 11:37:08 AM



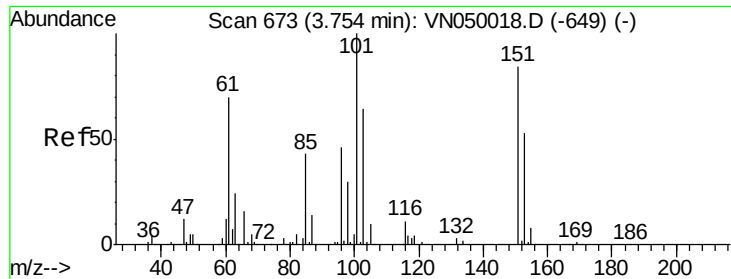
#8

Diethyl Ether  
 Concen: 22.12 ug/l  
 RT: 3.41 min Scan# 566  
 Delta R.T. -0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.3  | 47.6  | 142.8 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.74 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

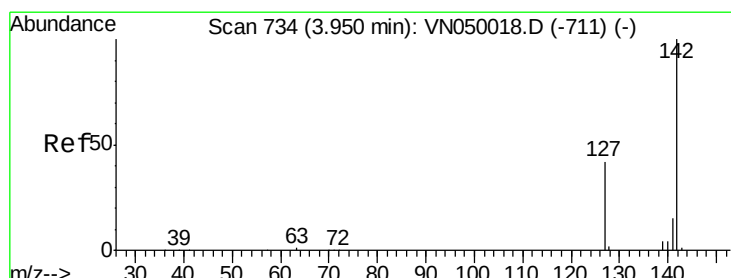
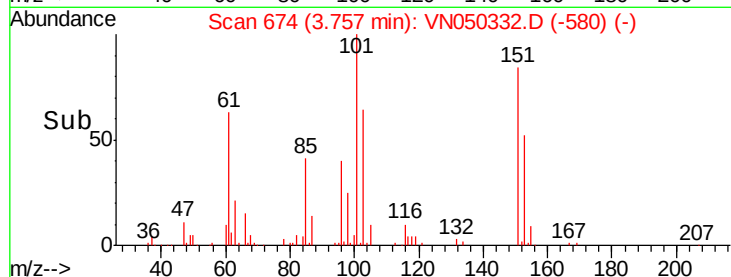
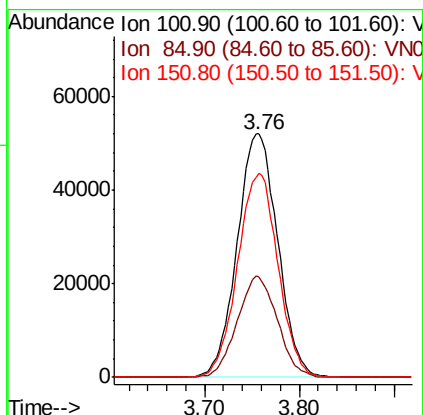
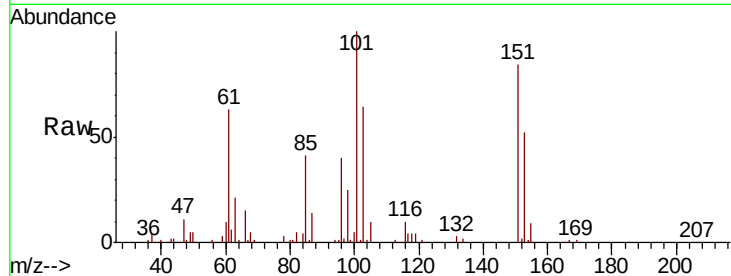
ClientSampleId :

VN0803WBSD03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 154802 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.1  | 34.2  | 51.2   |
| 151       | 83.5  | 66.3  | 99.5   |

Manual Integrations  
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MMDadoda  
8/6/2018 11:37:08 AM



#10

Methyl Iodide

Concen: 9.33 ug/l

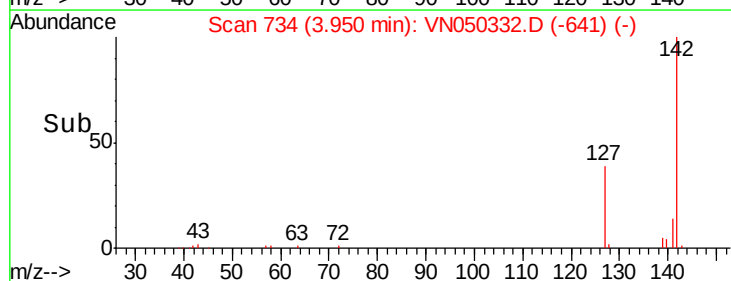
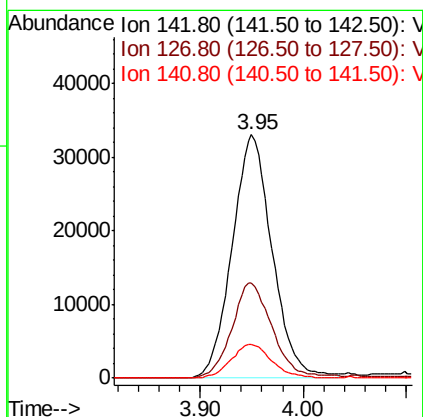
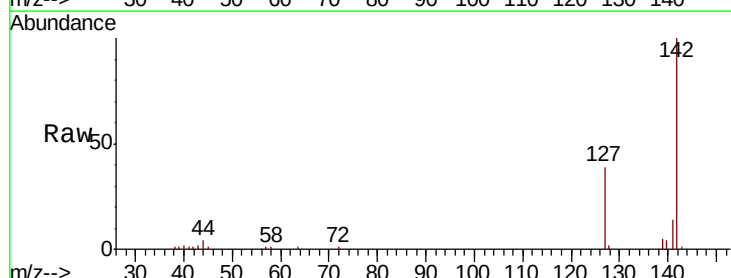
RT: 3.95 min Scan# 734

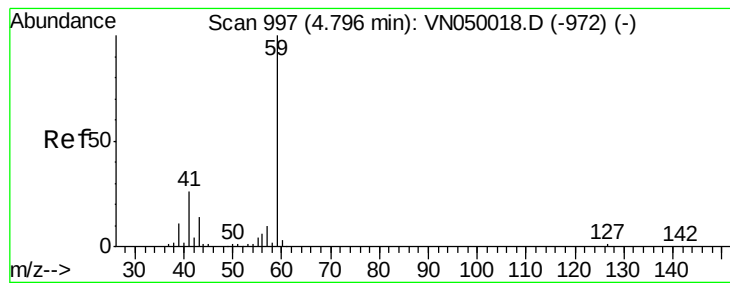
Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 89354 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 39.2  | 33.4  | 50.2  |
| 141       | 13.9  | 11.6  | 17.4  |





#11

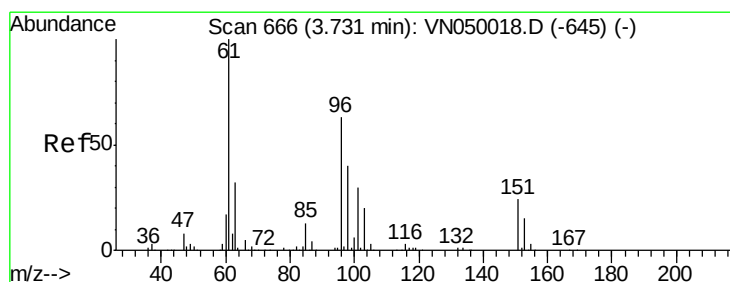
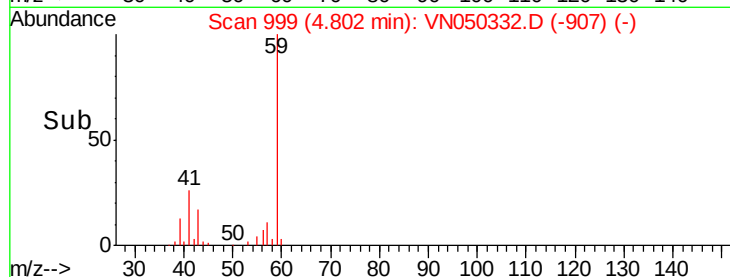
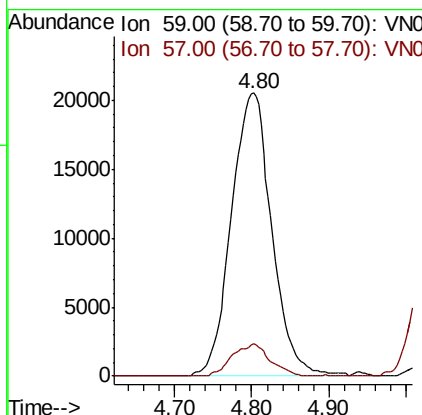
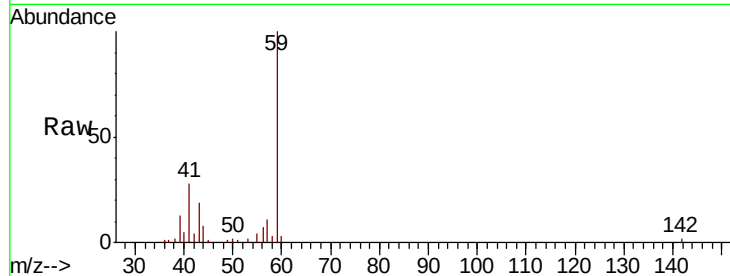
Tert butyl alcohol  
 Concen: 124.30 ug/l  
 RT: 4.80 min Scan# 999  
 Delta R.T. -0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0803WBSD03

| Tot Ion   | 59   | Resp  | 74327 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.7 | 8.5   | 12.7  |

Manual Integrations  
 APPROVED

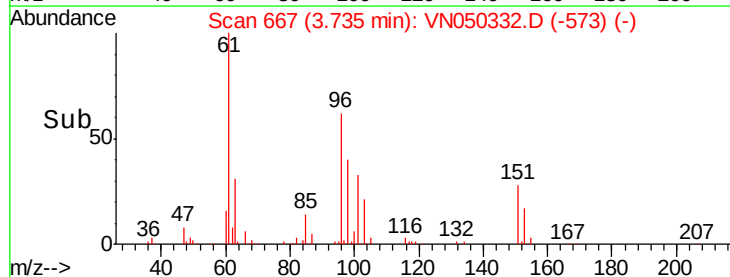
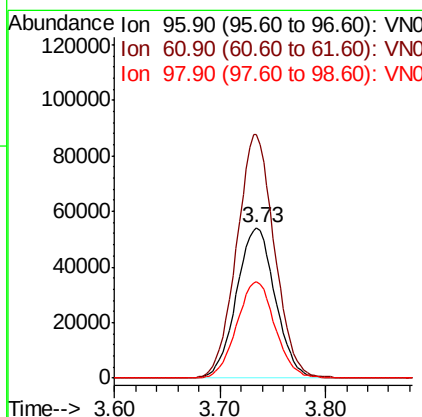
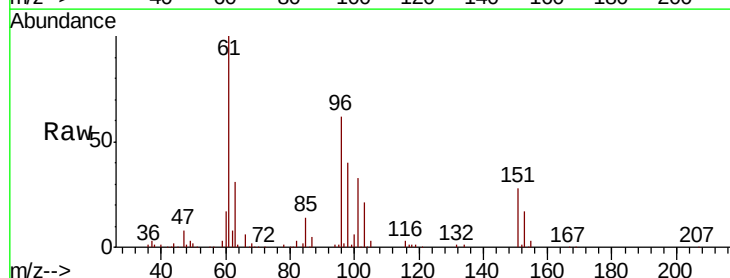
MMDadoda  
 8/6/2018 11:37:08 AM

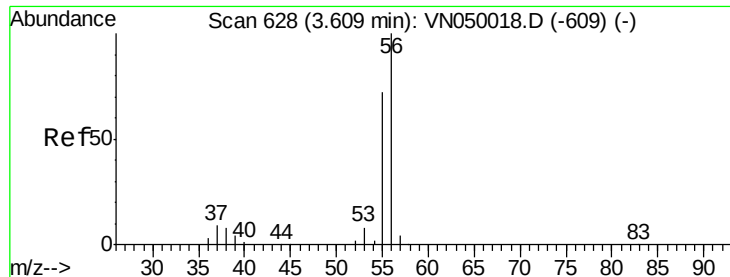


#12

1,1-Dichloroethene  
 Concen: 20.64 ug/l  
 RT: 3.73 min Scan# 667  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

| Tgt Ion   | 96    | Resp  | 138566 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 161.5 | 124.4 | 186.6  |
| 98        | 63.8  | 48.3  | 72.5   |





#13

Acrolein

Concen: 151.42 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0803WBSD03

Tot Ion: 56 Resp: 72748

Ion Ratio Lower Upper

56 100

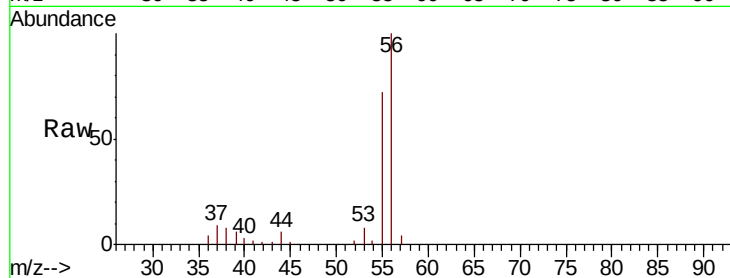
55 73.0 55.8 83.6

Manual Integrations

APPROVED

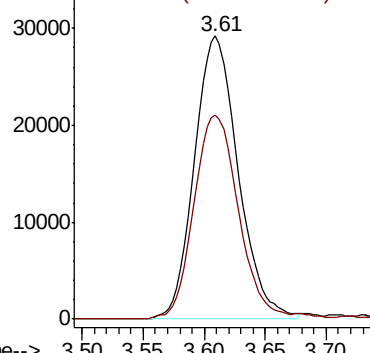
MMDadoda

8/6/2018 11:37:08 AM

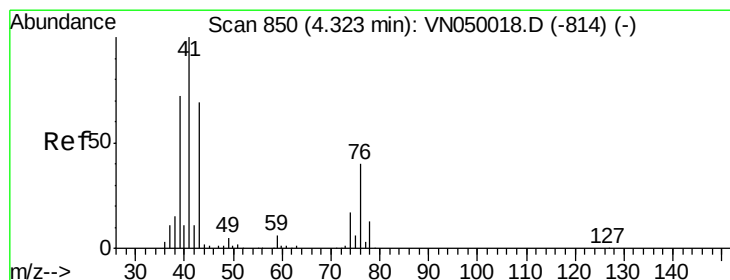
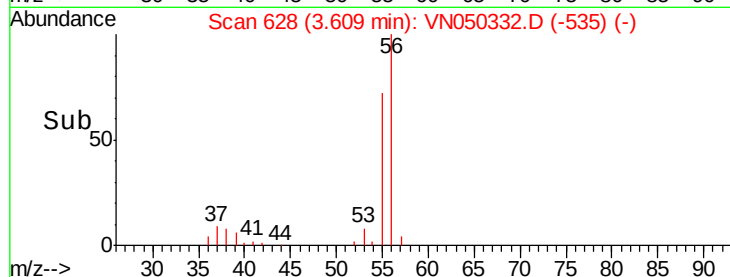


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 20.94 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

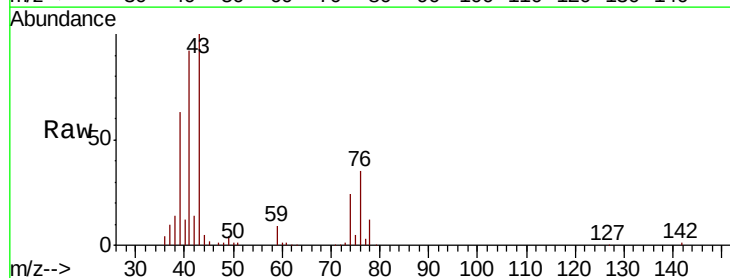
Tgt Ion: 41 Resp: 217968

Ion Ratio Lower Upper

41 100

39 65.4 54.2 81.4

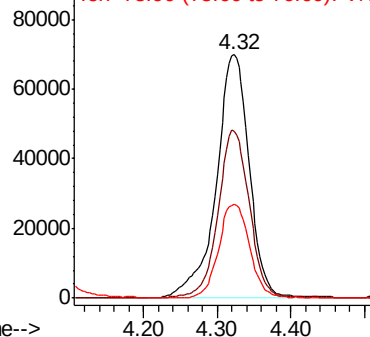
76 35.5 29.0 43.6



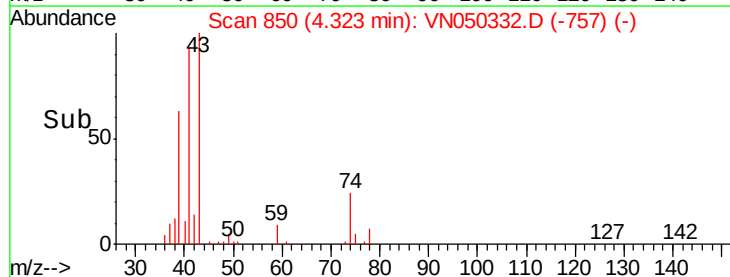
Abundance Ion 41.00 (40.70 to 41.70): VN0

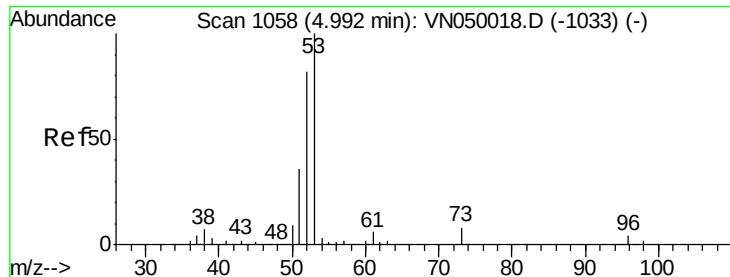
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





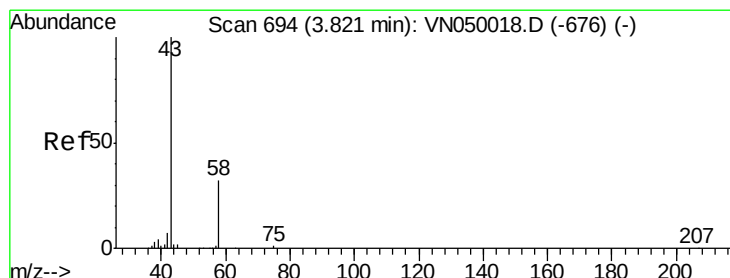
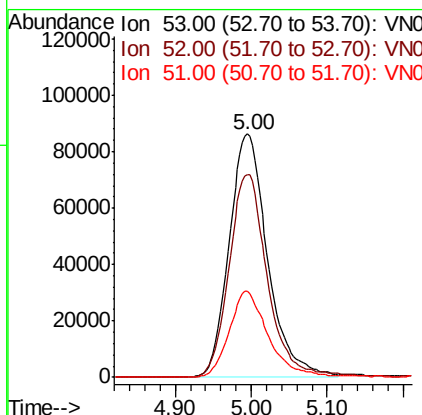
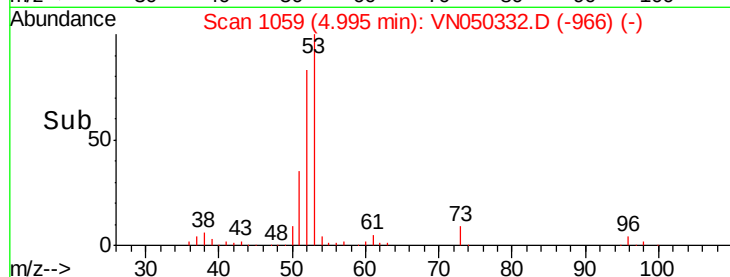
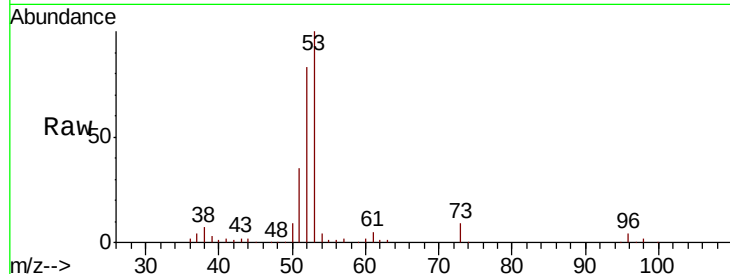
#15  
 Acrylonitrile  
 Concen: 116.30 ug/l  
 RT: 5.00 min Scan# 1059  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0803WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 82.9  | 66.2  | 99.2  |
| 51      | 36.0  | 29.3  | 43.9  |

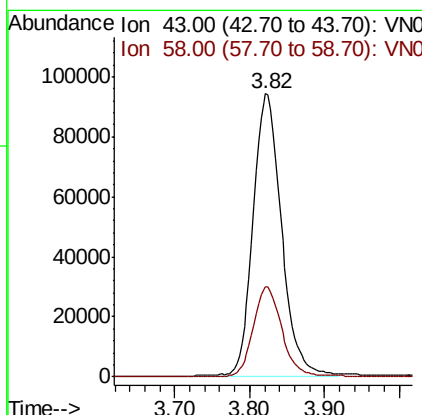
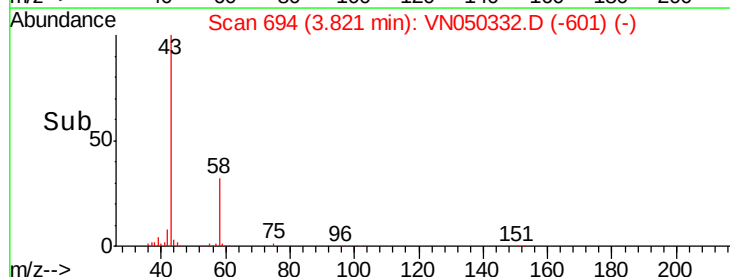
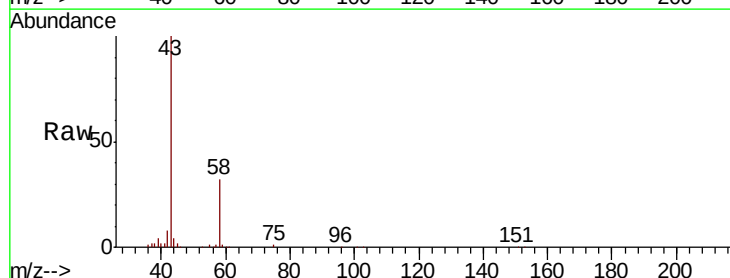
Manual Integrations  
 APPROVED

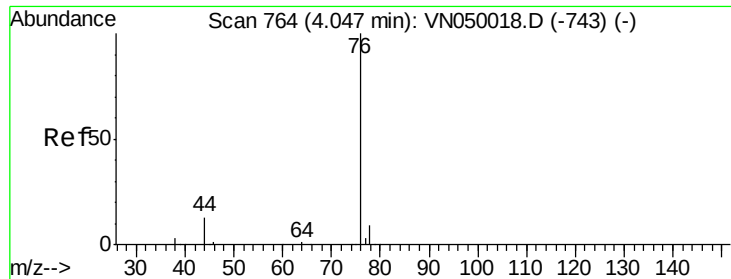
MMDadoda  
 8/6/2018 11:37:08 AM



#16  
 Acetone  
 Concen: 128.44 ug/l  
 RT: 3.82 min Scan# 694  
 Delta R.T. -0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 31.6  | 25.8  | 38.8  |





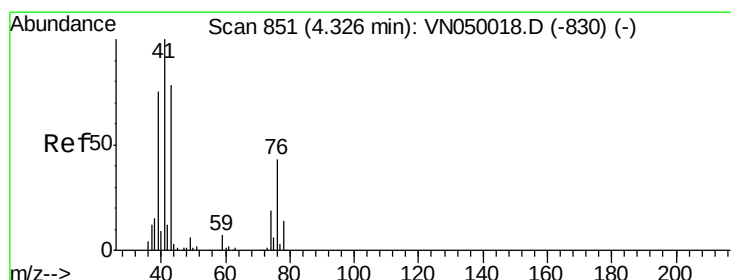
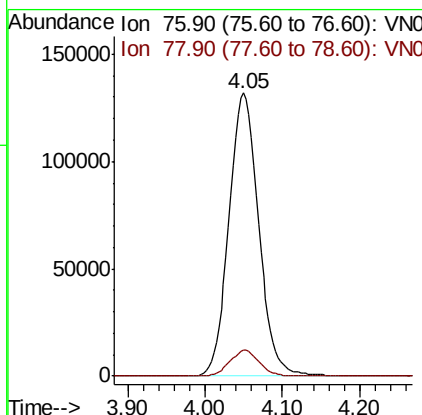
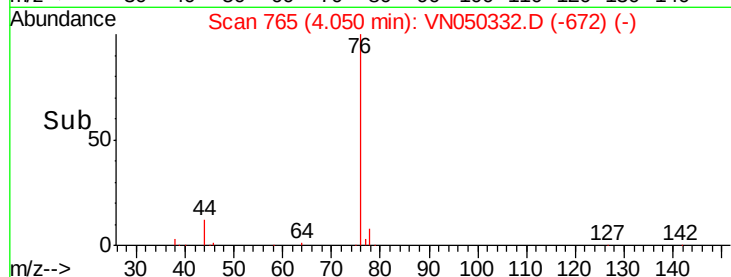
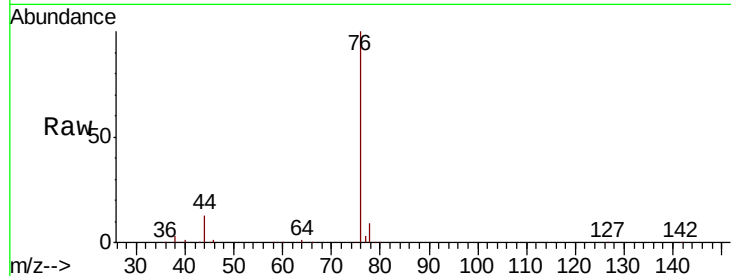
#17  
Carbon Disulfide  
Concen: 17.10 ug/l  
RT: 4.05 min Scan# 765  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.3   | 10.9  |

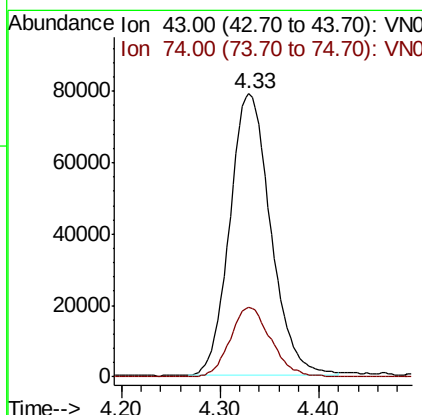
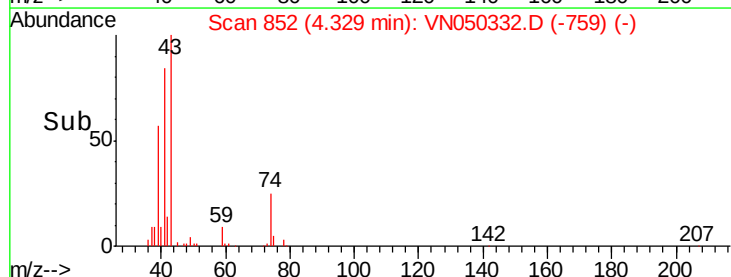
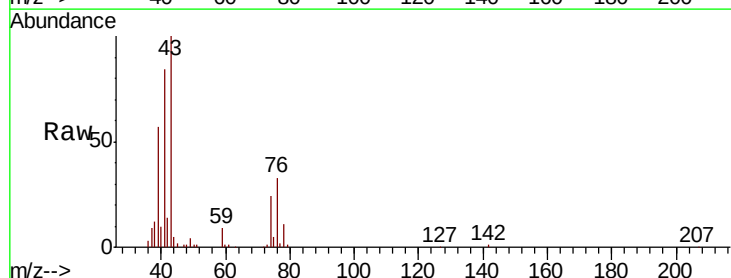
Manual Integrations  
APPROVED

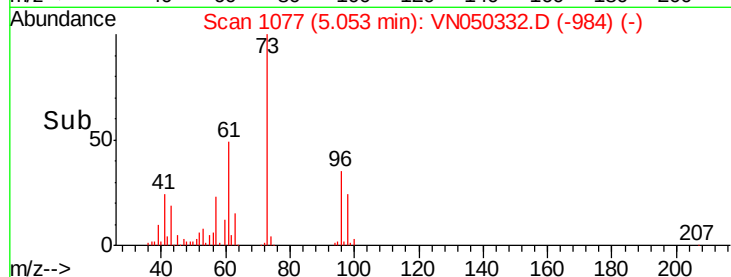
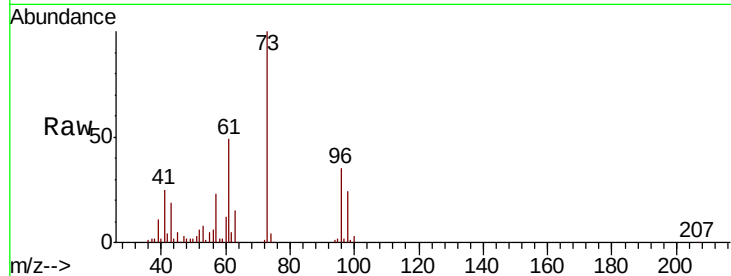
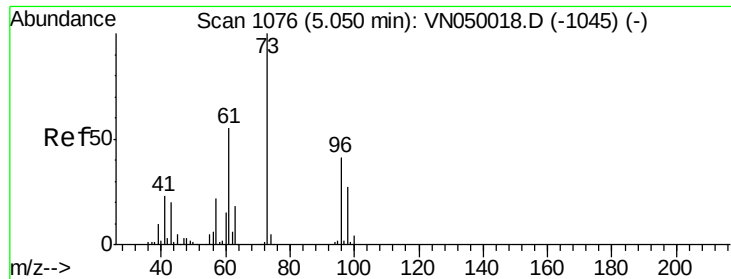
MMDadoda  
8/6/2018 11:37:08 AM



#18  
Methyl Acetate  
Concen: 29.78 ug/l  
RT: 4.33 min Scan# 852  
Delta R.T. -0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.7  | 19.2  | 28.8  |





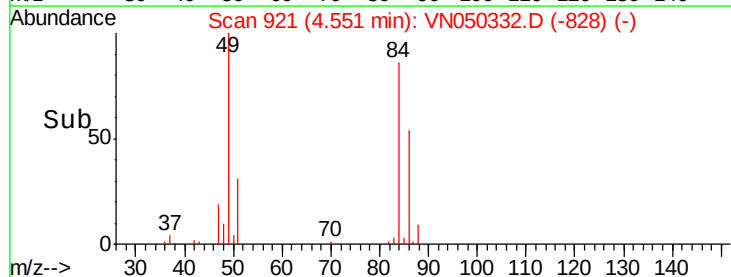
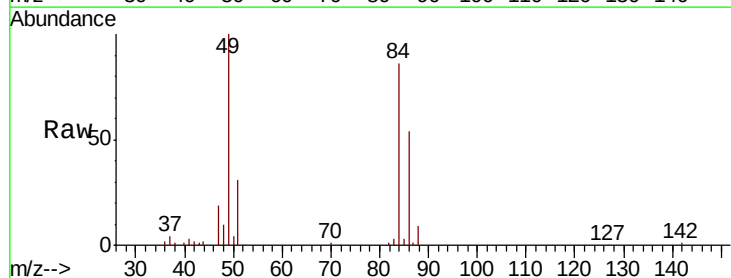
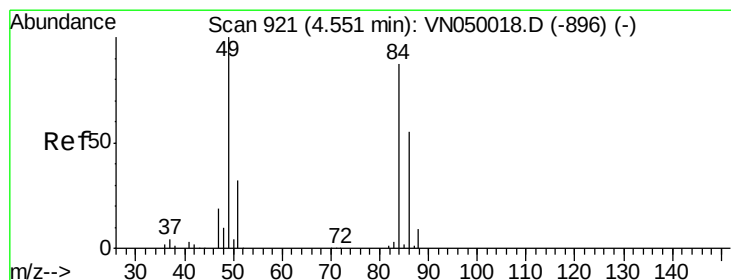
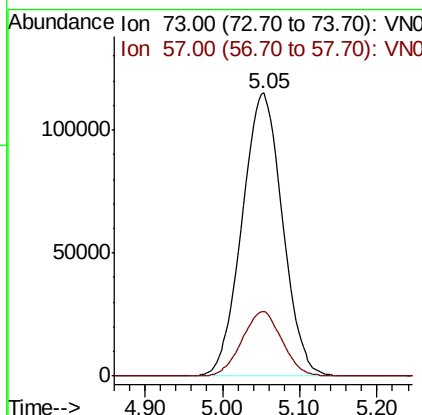
#19  
Methyl tert-butyl Ether  
Concen: 23.45 ug/l  
RT: 5.05 min Scan# 1077  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Tot Ion: 73 Resp: 419495  
Ion Ratio Lower Upper  
73 100  
57 23.0 18.0 27.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

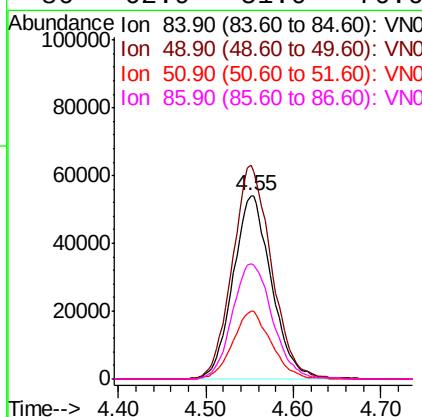
Manual Integrations  
APPROVED

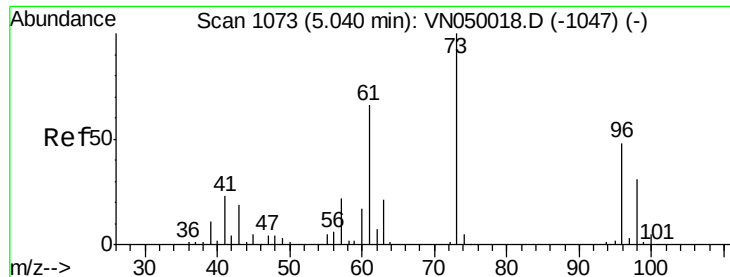
MMDadoda  
8/6/2018 11:37:08 AM



#20  
Methylene Chloride  
Concen: 22.16 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Tgt Ion: 84 Resp: 164716  
Ion Ratio Lower Upper  
84 100  
49 116.0 94.8 142.2  
51 36.6 28.3 42.5  
86 62.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.72 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

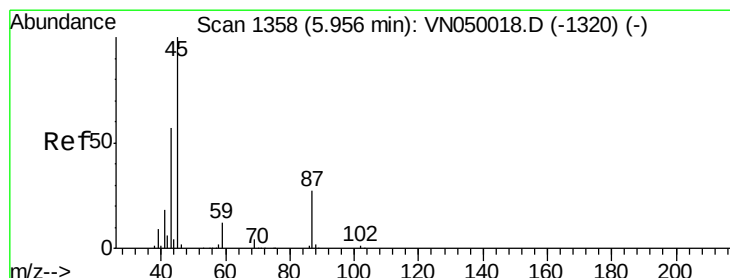
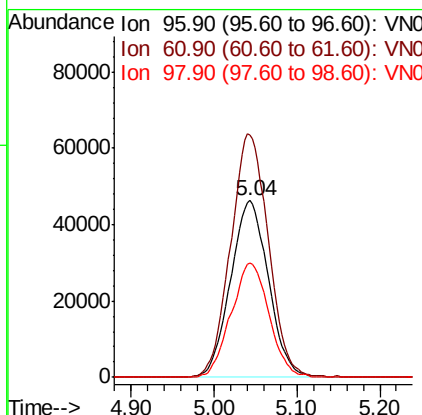
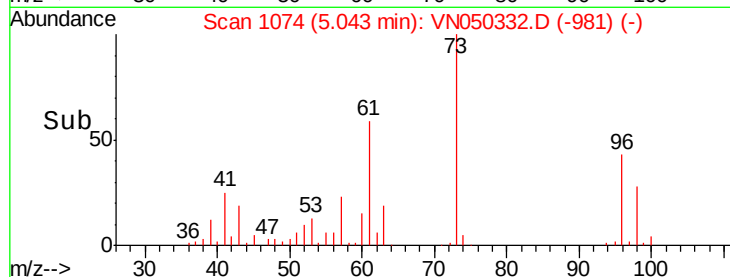
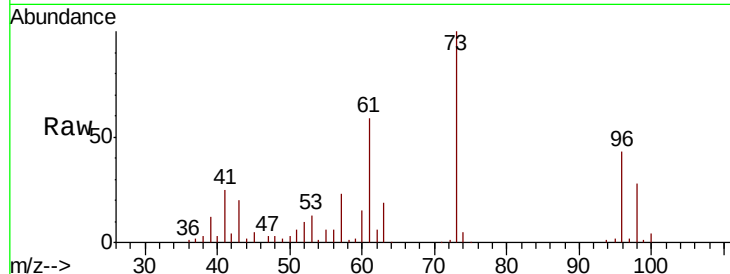
ClientSampleId :

VN0803WBSD03

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 147364 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 137.5 | 110.7 | 166.1  |
| 98       | 64.8  | 51.6  | 77.4   |

Manual Integrations  
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MMDadoda  
8/6/2018 11:37:08 AM



#22

Diisopropyl ether

Concen: 24.13 ug/l

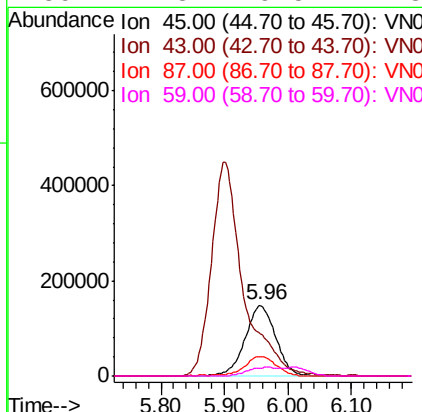
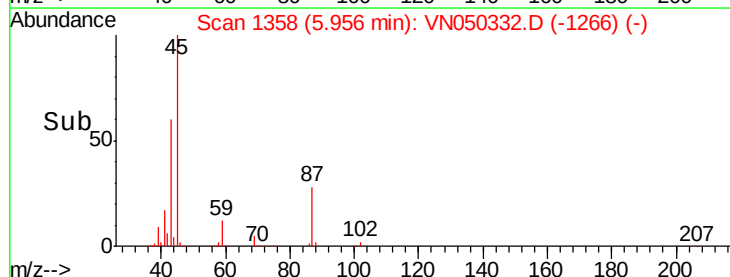
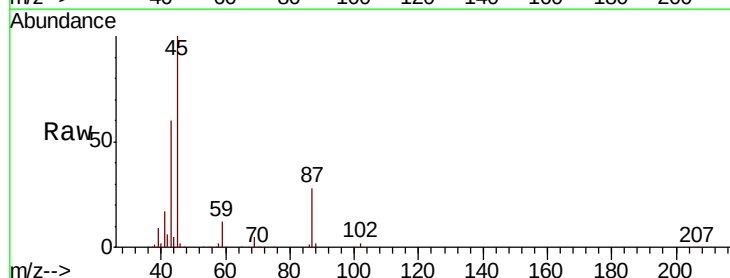
RT: 5.96 min Scan# 1358

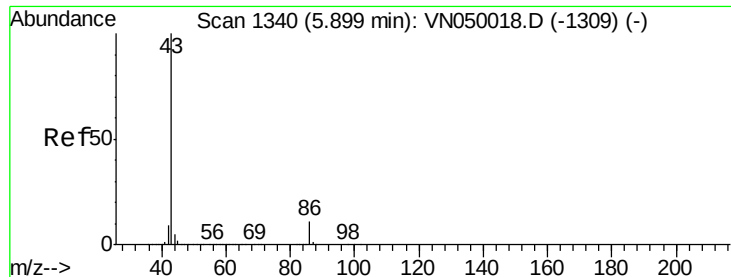
Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 498112 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 59.1  | 45.7  | 68.5   |
| 87       | 27.7  | 22.7  | 34.1   |
| 59       | 11.3  | 9.5   | 14.3   |





#23

Vinyl Acetate

Concen: 107.01 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

ClientSampleID :

VN0803WBSD03

Tot Ion: 43 Resp: 1560831

Ion Ratio Lower Upper

43 100

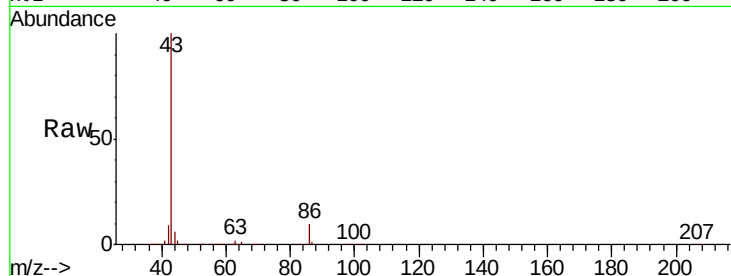
86 10.5 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

8/6/2018 11:37:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

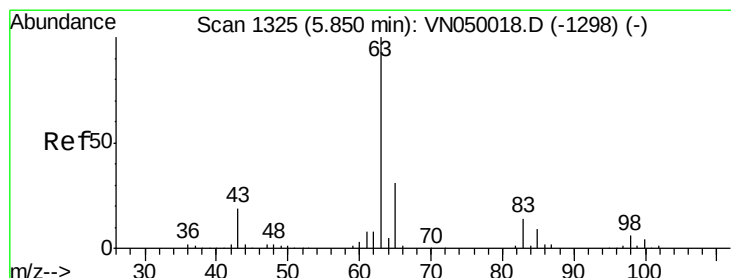
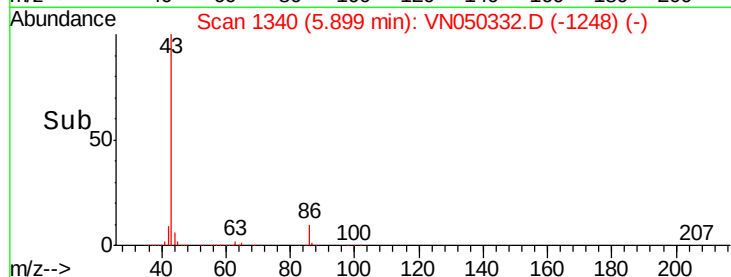
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 22.17 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

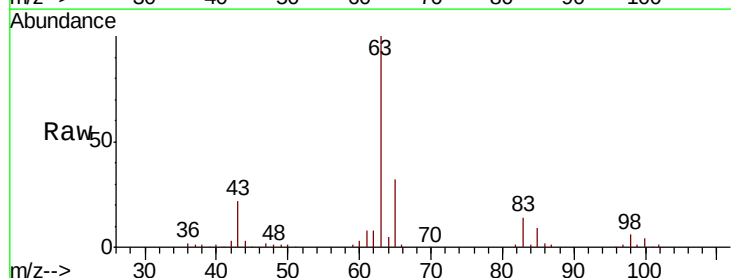
Tgt Ion: 63 Resp: 299222

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

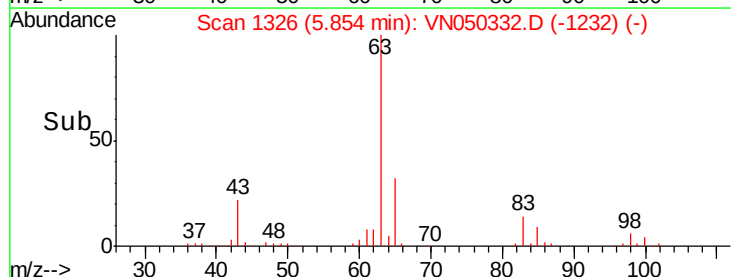
60000

40000

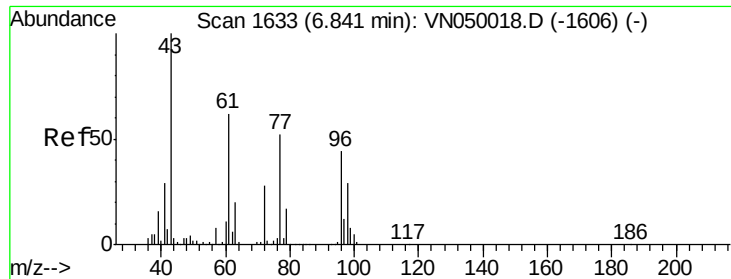
20000

0

Time--> 5.70 5.80 5.90







#25

2-Butanone

Concen: 118.28 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0803WBSD03

Tot Ion: 43 Resp: 366660

Ion Ratio Lower Upper

43 100

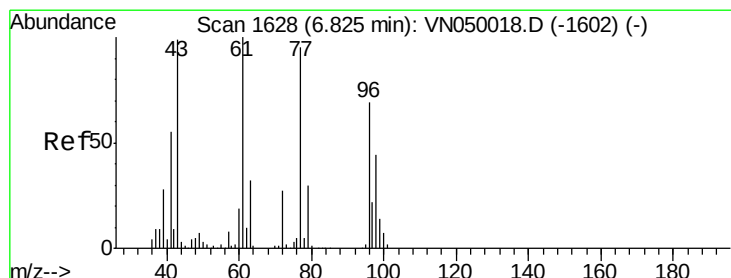
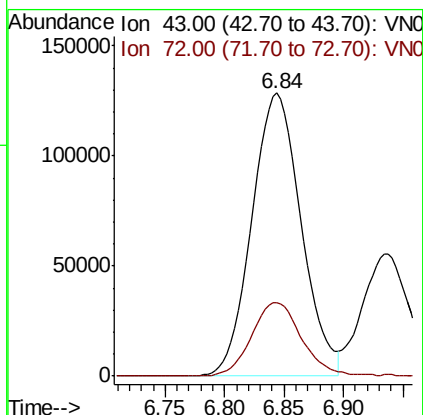
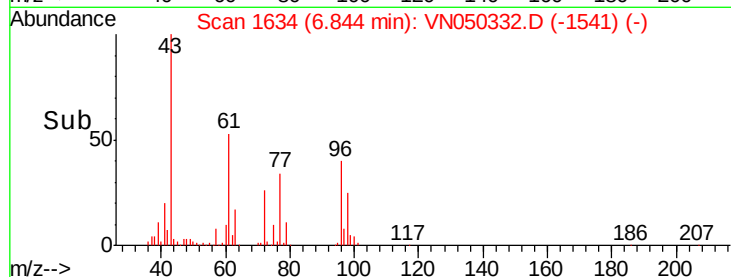
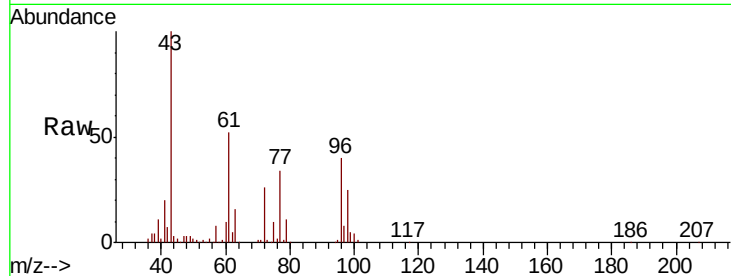
72 26.1 21.5 32.3

Manual Integrations

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8/6/2018 11:37:08 AM



#26

2,2-Dichloropropane

Concen: 17.58 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050332.D

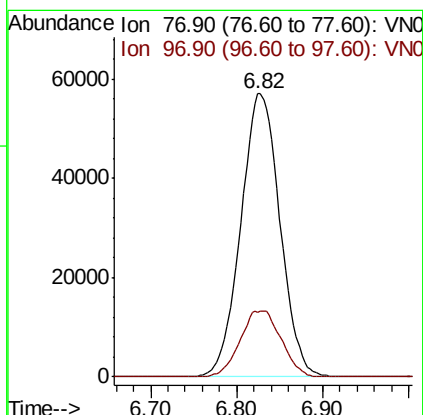
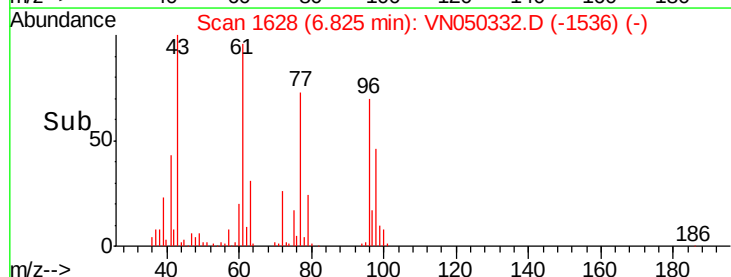
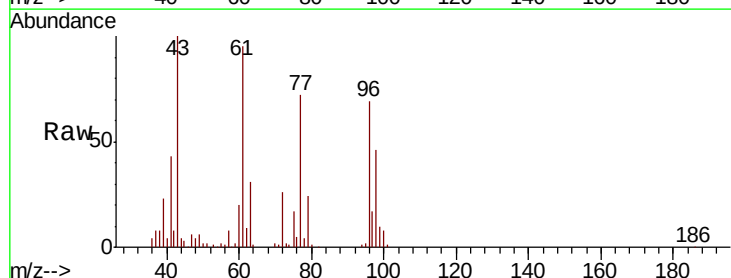
Acq: 4 Aug 2018 00:06

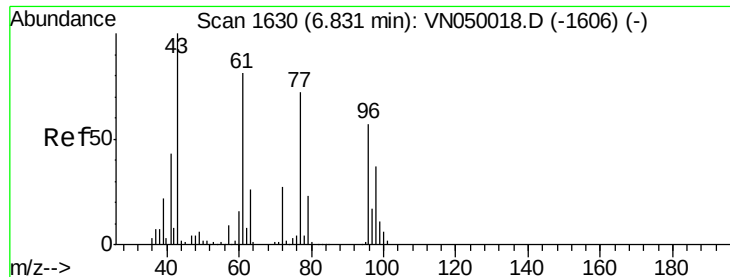
Tgt Ion: 77 Resp: 180520

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 22.62 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0803WBSD03

Tot Ion: 96 Resp: 173229

Ion Ratio Lower Upper

96 100

61 139.1 0.0 285.0

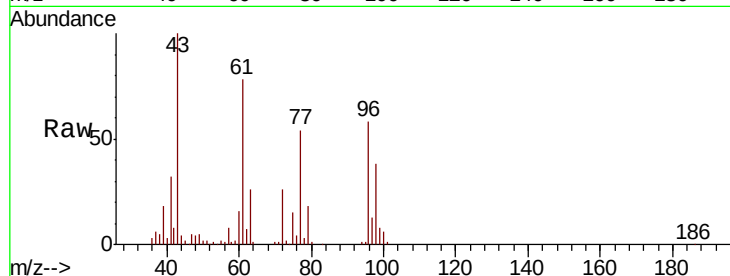
98 63.8 0.0 129.2

Manual Integrations

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MMDadoda

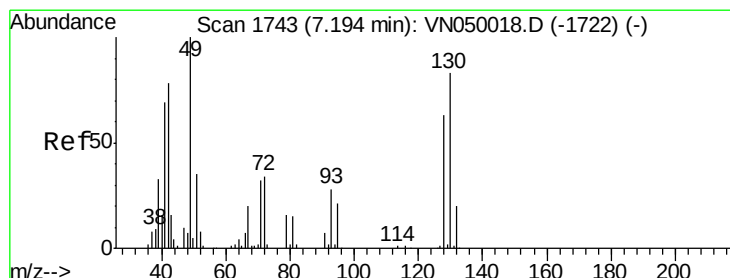
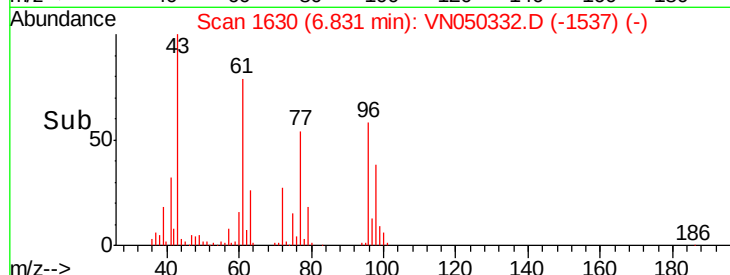
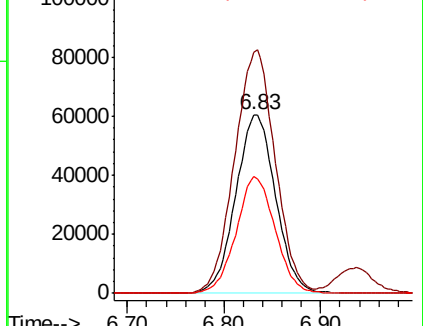
8/6/2018 11:37:08 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.21 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

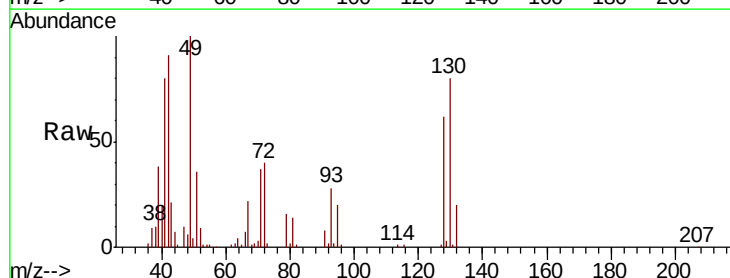
Tgt Ion: 49 Resp: 130551

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.0

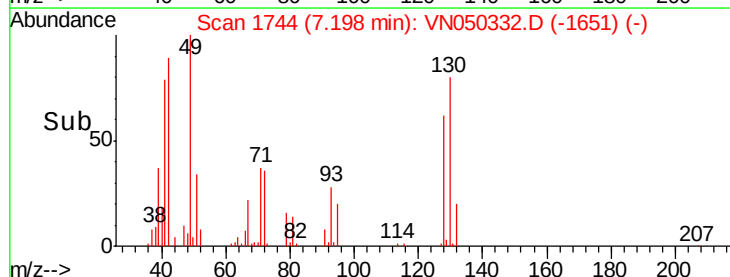
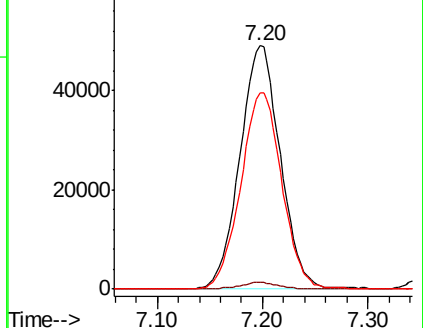
130 82.0 66.3 99.5

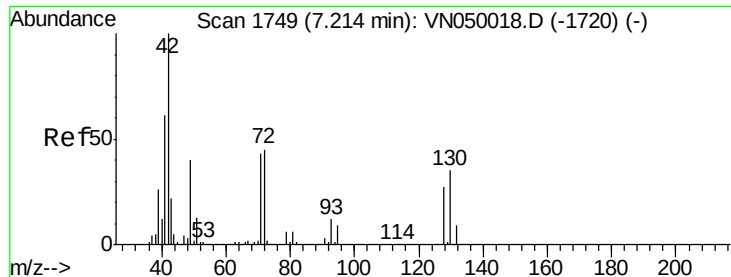


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





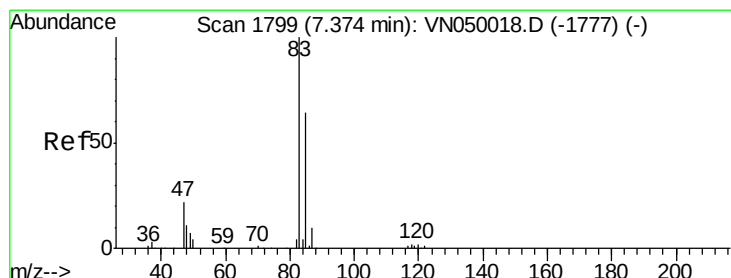
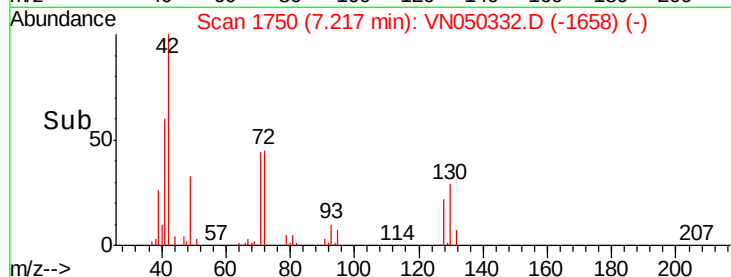
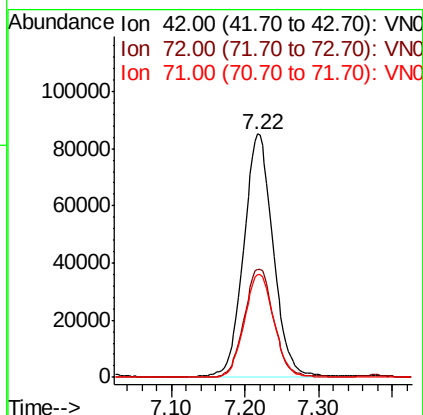
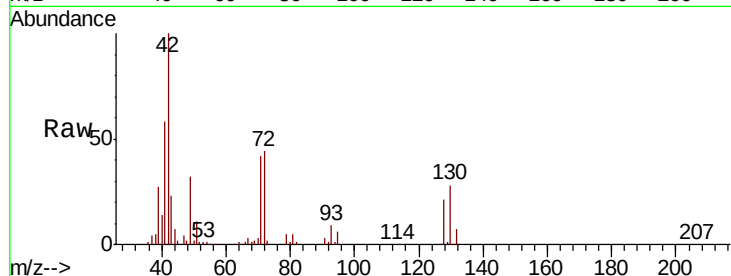
#29  
Tetrahydrofuran  
Concen: 117.77 ug/l  
RT: 7.22 min Scan# 1750  
Delta R.T. -0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.4  | 35.9  | 53.9  |
| 71      | 42.7  | 33.7  | 50.5  |

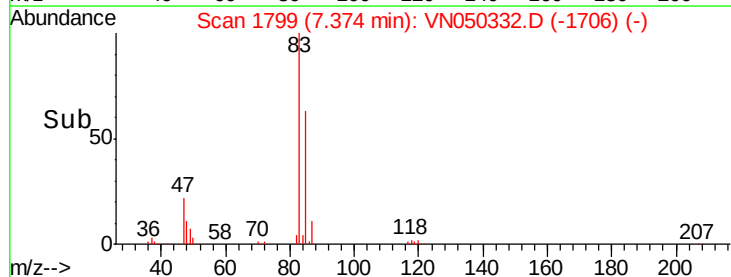
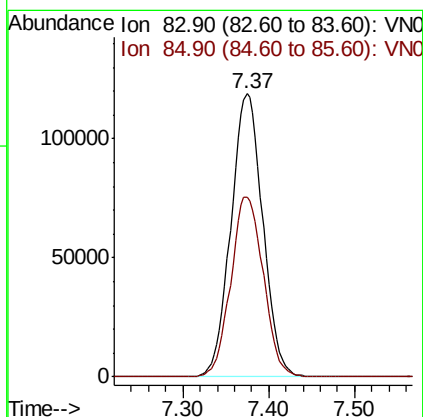
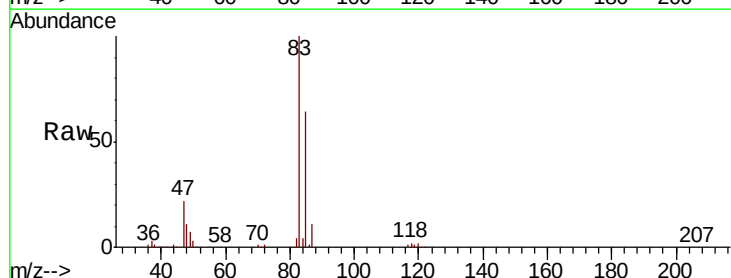
Manual Integrations  
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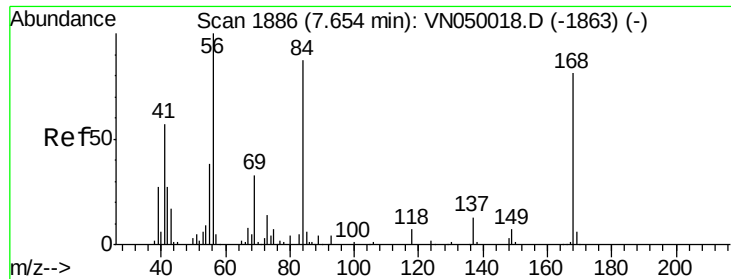
MMDadoda  
8/6/2018 11:37:08 AM



#30  
Chloroform  
Concen: 22.22 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.7  | 52.5  | 78.7  |





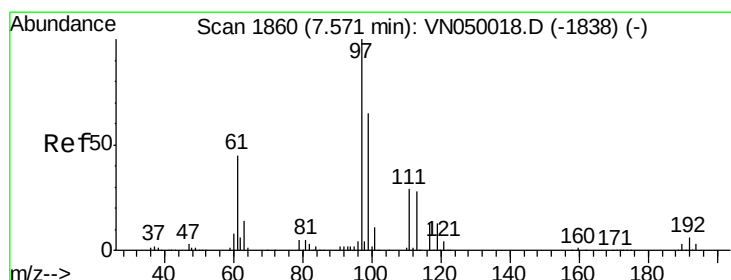
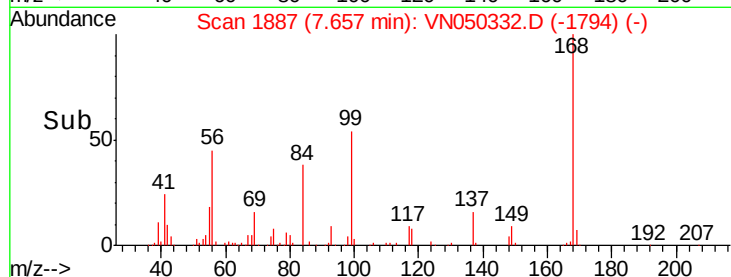
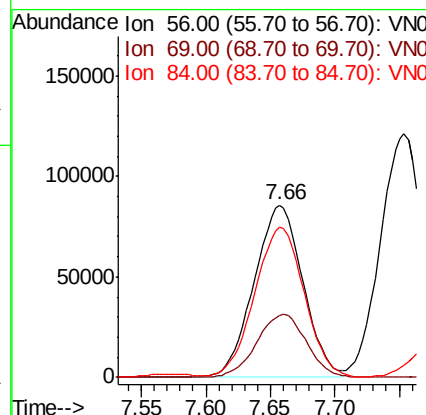
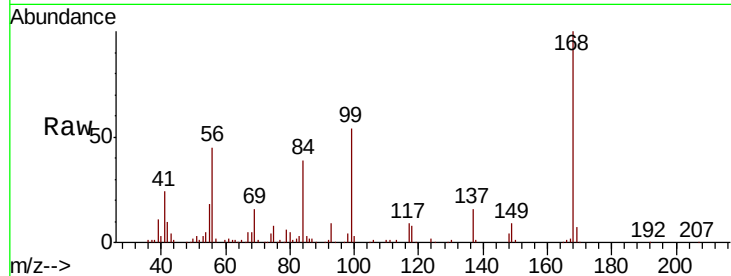
#31  
Cyclohexane  
Concen: 20.15 ug/l  
RT: 7.66 min Scan# 1887  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 36.1  | 26.2  | 39.4  |
| 84      | 85.9  | 67.4  | 101.0 |

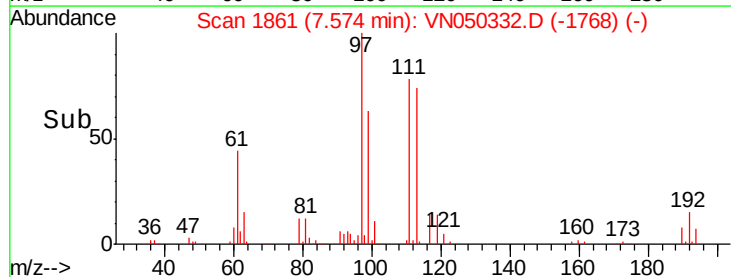
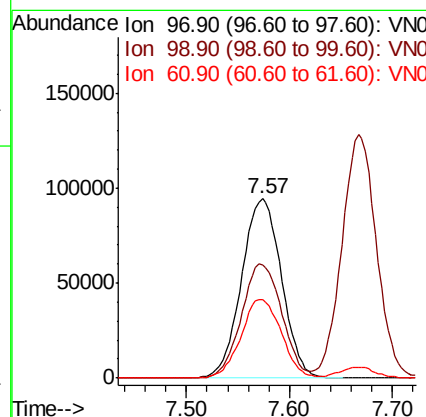
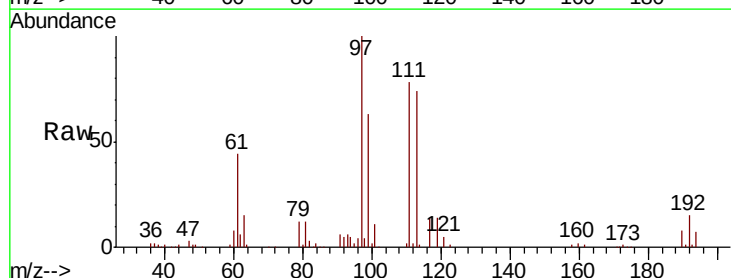
Manual Integrations  
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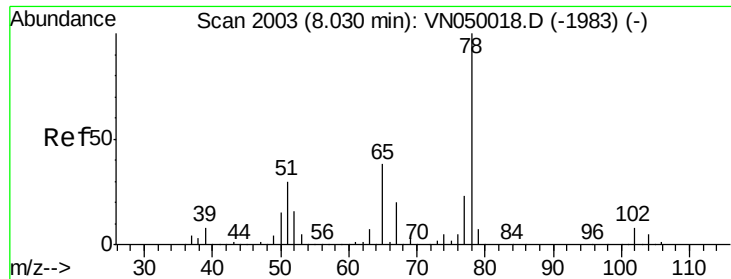
MMDadoda  
8/6/2018 11:37:08 AM



#32  
1,1,1-Trichloroethane  
Concen: 21.60 ug/l  
RT: 7.57 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.3  | 51.4  | 77.0  |
| 61      | 44.3  | 35.4  | 53.0  |





#33

1,2-Dichloroethane-d4

Concen: 49.60 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0803WBSD03

Tot Ion: 65 Resp: 403092

Ion Ratio Lower Upper

65 100

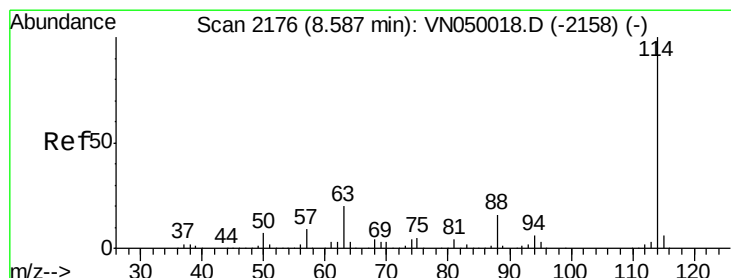
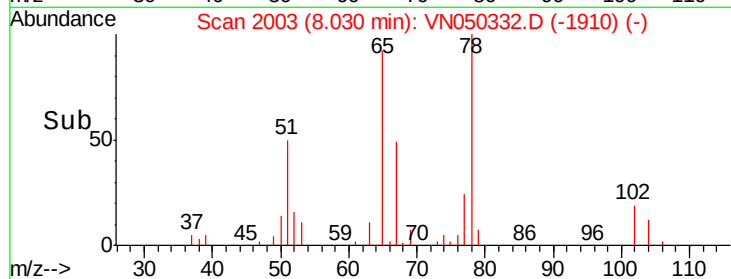
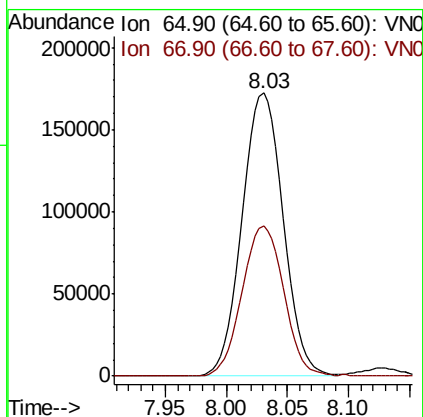
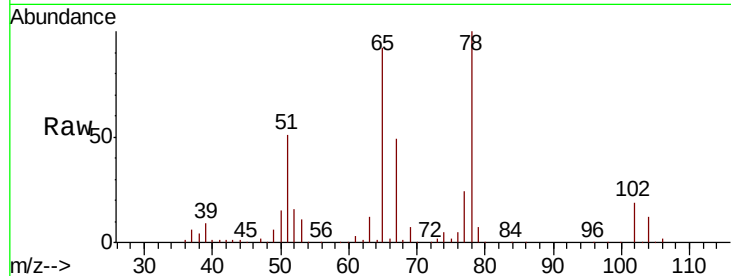
67 53.5 0.0 108.4

Manual Integrations

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MMDadoda

8/6/2018 11:37:08 AM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

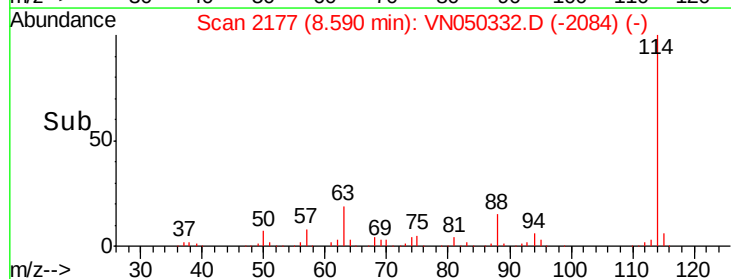
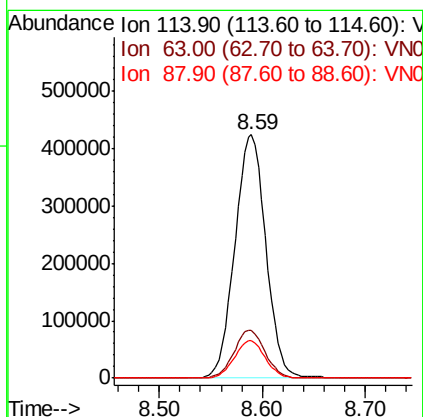
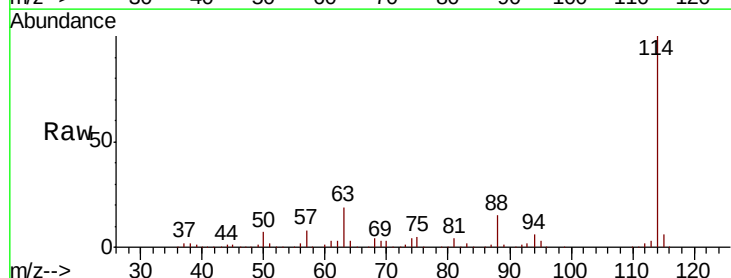
Tgt Ion: 114 Resp: 887438

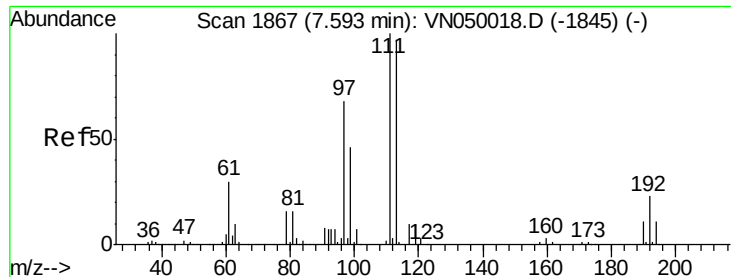
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 15.4 0.0 31.2





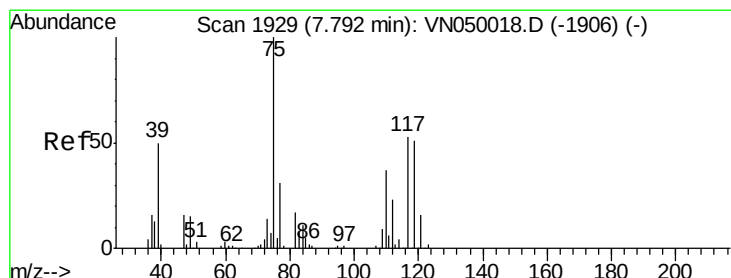
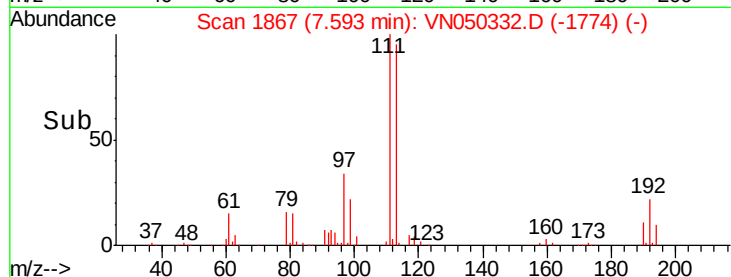
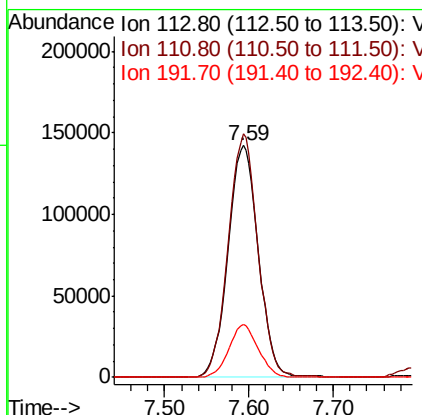
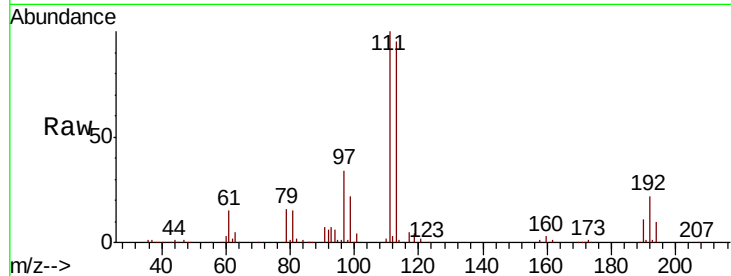
#35  
 Dibromofluoromethane  
 Concen: 49.15 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0803WBSD03

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 102.7 | 80.7 | 121.1 |       |
| 192     | 21.9  | 17.8 | 26.6  |       |

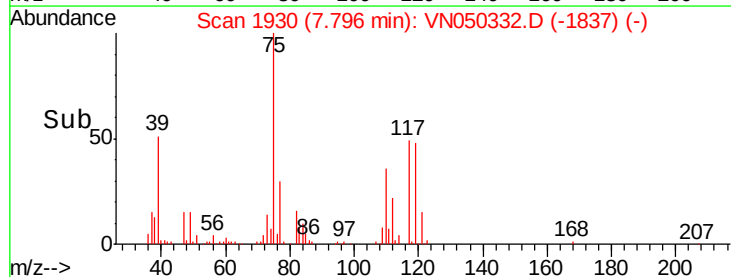
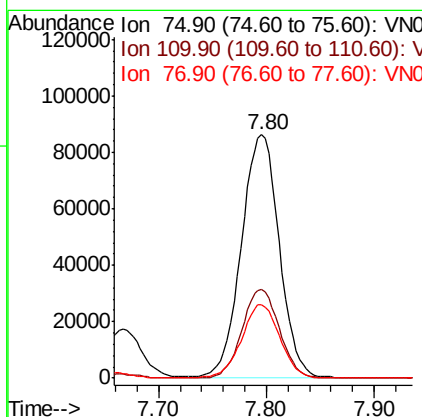
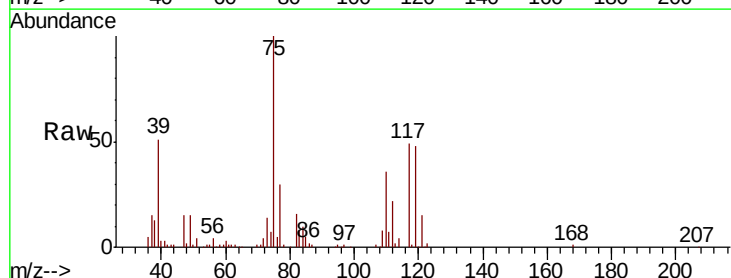
Manual Integrations  
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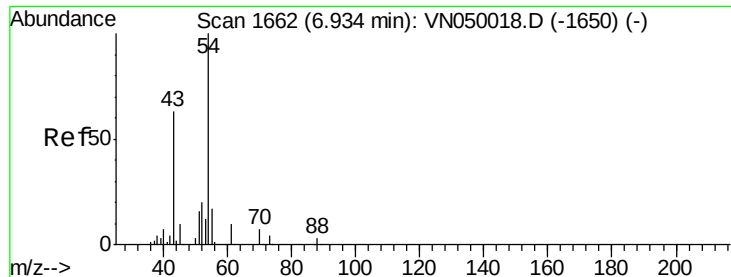
MMDadoda  
 8/6/2018 11:37:08 AM



#36  
 1,1-Dichloropropene  
 Concen: 20.95 ug/l  
 RT: 7.80 min Scan# 1930  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 36.1  | 18.4 | 55.2  |       |
| 77      | 30.8  | 25.3 | 37.9  |       |





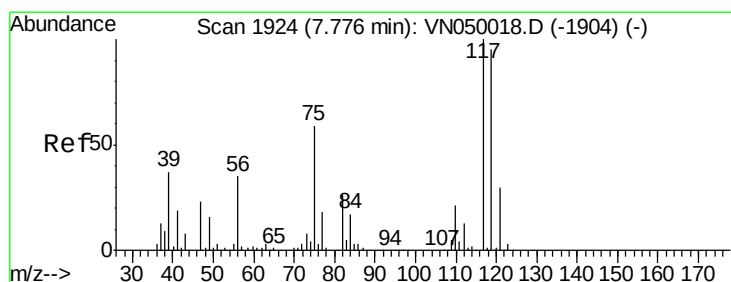
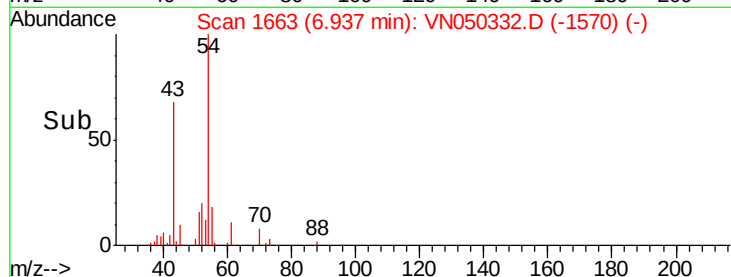
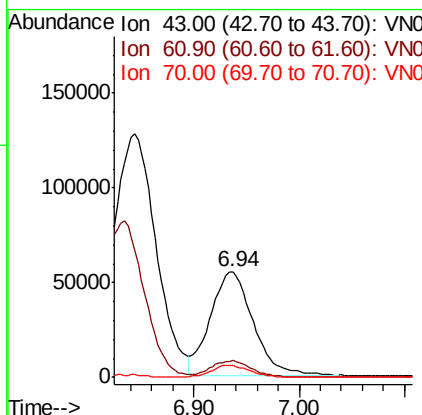
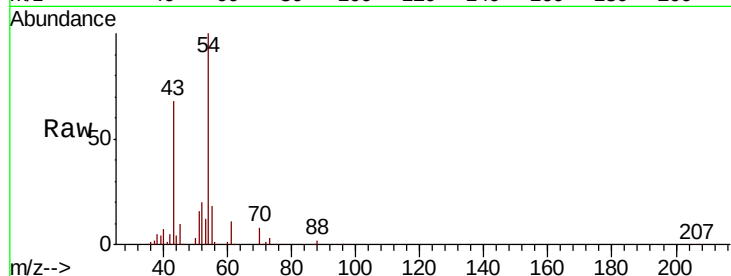
#37  
Ethyl Acetate  
Concen: 22.21 ug/l  
RT: 6.94 min Scan# 1663  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

| Tot Ion | 43     | 61   | 70   |
|---------|--------|------|------|
| Resp    | 154831 |      |      |
| Ratio   | 100    | 15.1 | 10.6 |
| Lower   |        | 11.8 | 8.4  |
| Upper   |        | 17.8 | 12.6 |

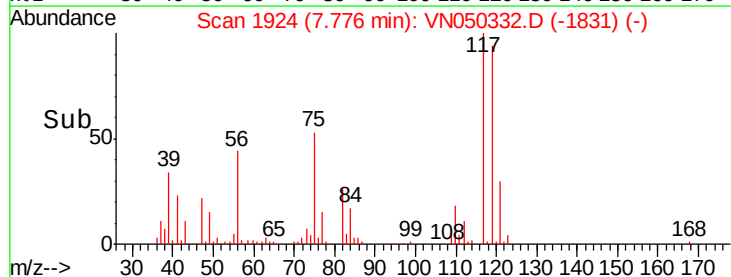
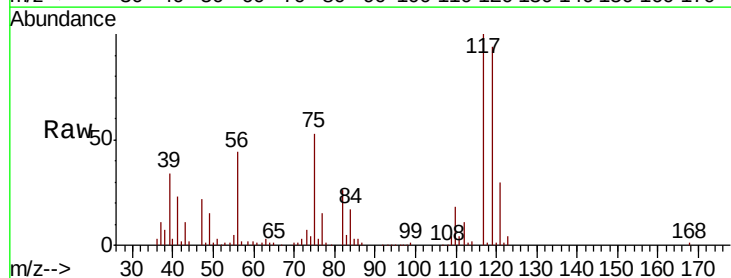
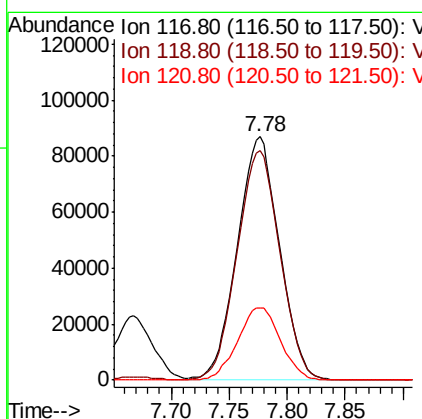
Manual Integrations  
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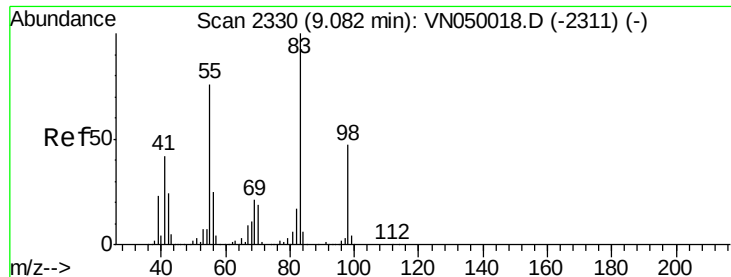
MMDadoda  
8/6/2018 11:37:08 AM



#38  
Carbon Tetrachloride  
Concen: 20.71 ug/l  
RT: 7.78 min Scan# 1924  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

| Tgt Ion | 117    | 119   | 121  |
|---------|--------|-------|------|
| Resp    | 219664 |       |      |
| Ratio   | 100    | 94.1  | 29.6 |
| Lower   |        | 77.4  | 23.9 |
| Upper   |        | 116.0 | 35.9 |





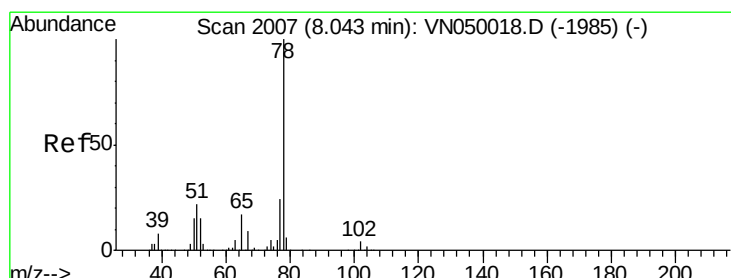
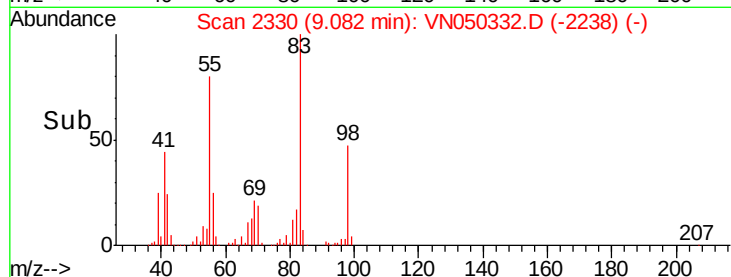
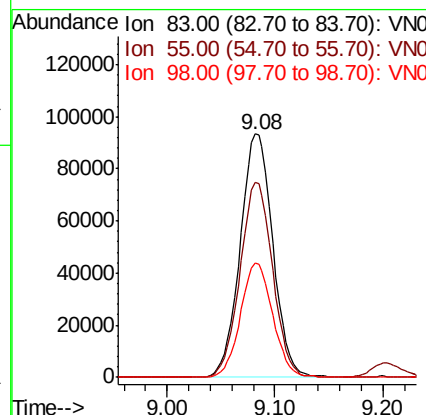
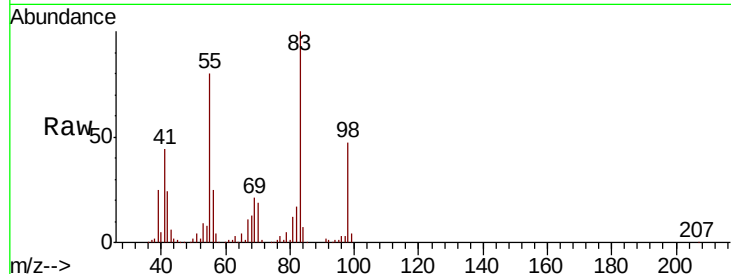
#39  
Methylvlcyclohexane  
Concen: 19.13 ug/l  
RT: 9.08 min Scan# 2330  
Delta R.T. -0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.3  | 61.8  | 92.8  |
| 98      | 47.0  | 36.5  | 54.7  |

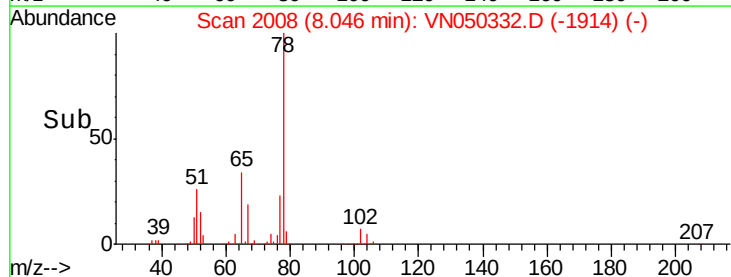
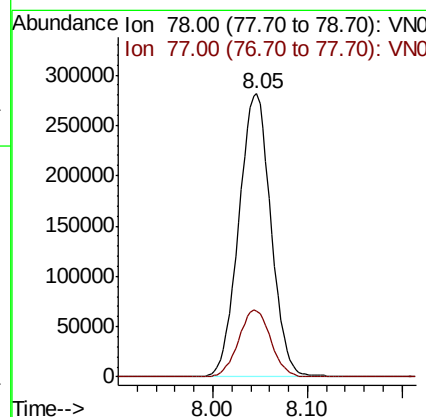
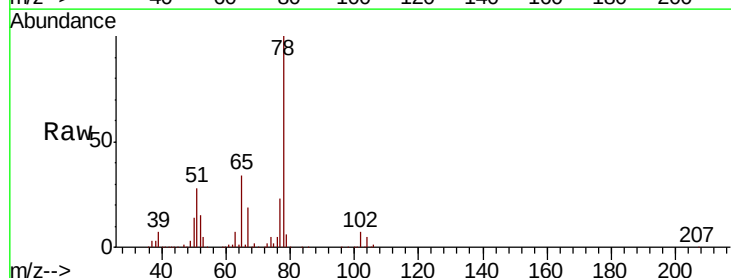
Manual Integrations  
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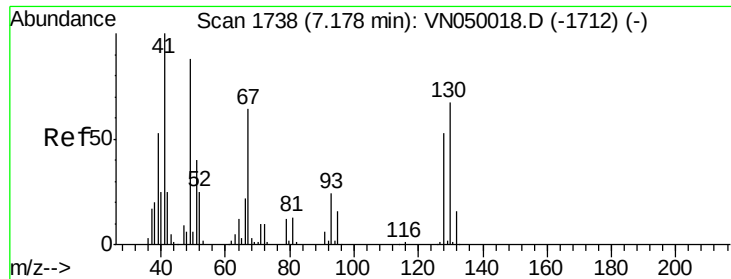


#40  
Benzene  
Concen: 21.81 ug/l  
RT: 8.05 min Scan# 2008  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 18.7  | 28.1  |







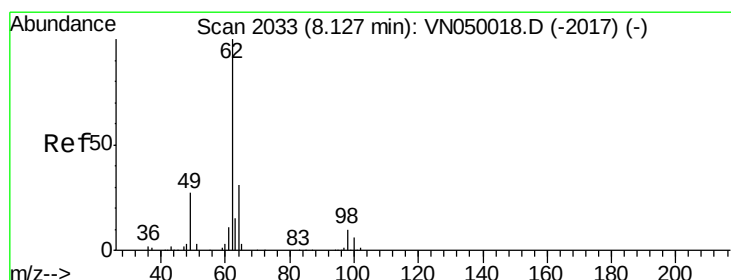
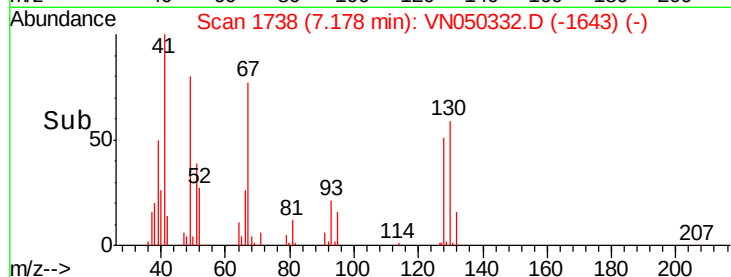
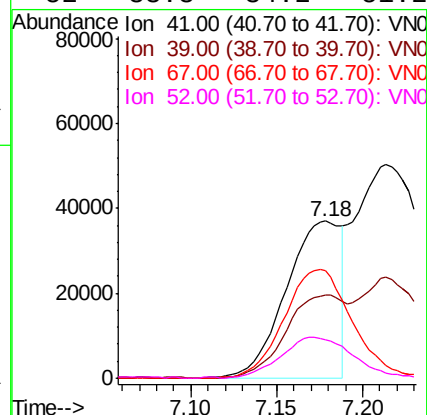
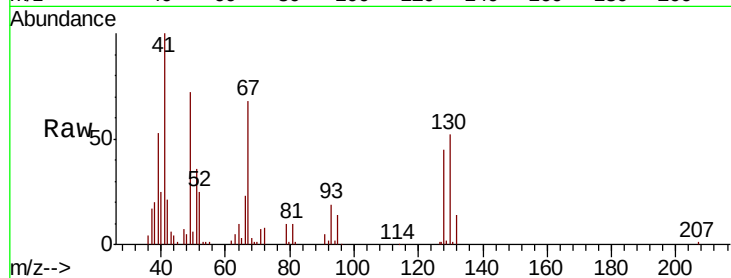
#41  
Methacrylonitrile  
Concen: 24.16 ug/l  
RT: 7.18 min Scan# 1738  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 57.2  | 55.8  | 83.6  |
| 67      | 86.6  | 84.3  | 126.5 |
| 52      | 33.3  | 34.2  | 51.2# |

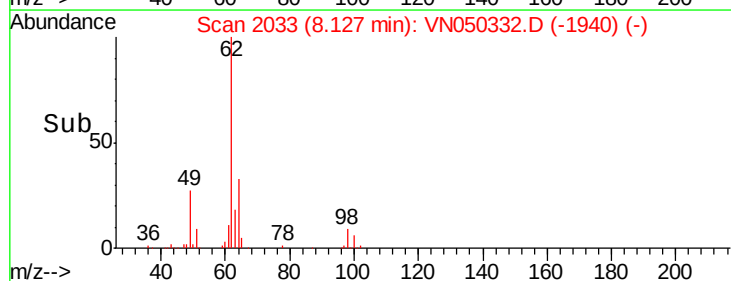
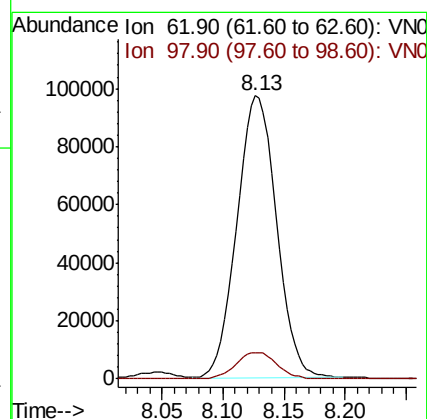
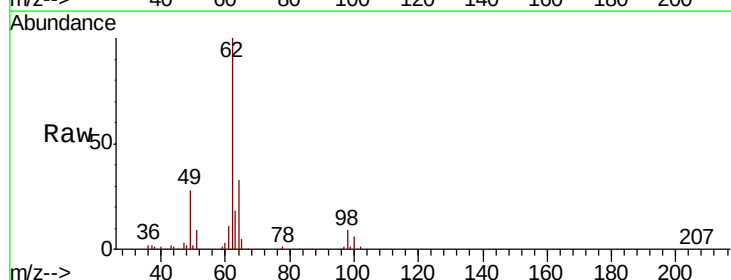
Manual Integrations  
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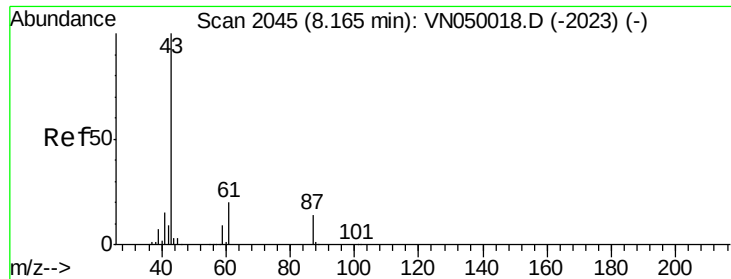
MMDadoda  
8/6/2018 11:37:08 AM



#42  
1,2-Dichloroethane  
Concen: 21.62 ug/l  
RT: 8.13 min Scan# 2033  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.7   | 0.0   | 18.8  |





#43

Isopropyl Acetate

Concen: 22.55 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

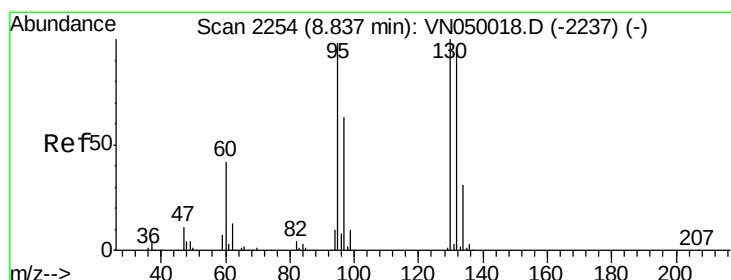
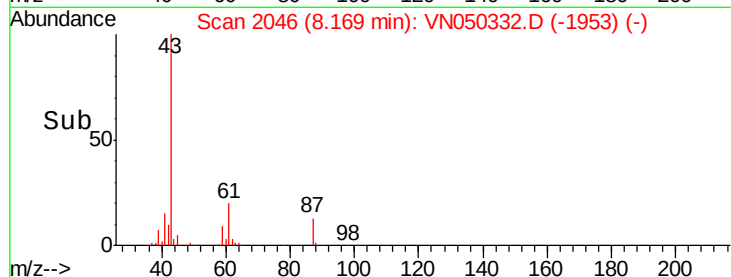
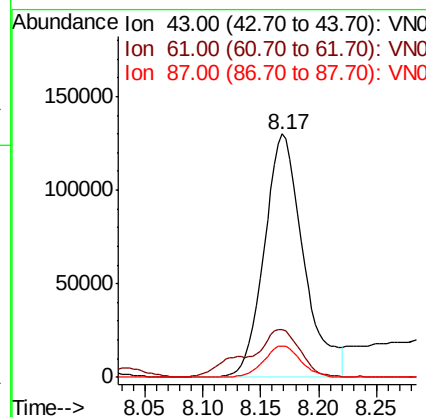
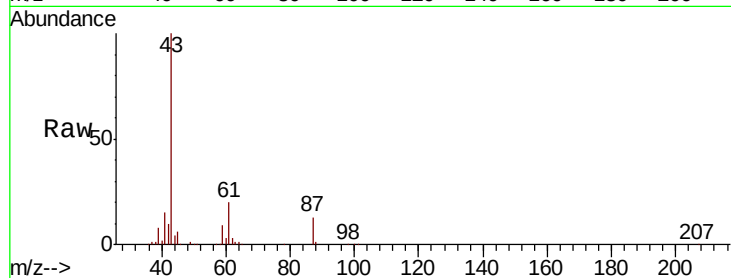
ClientSampleId :

VN0803WBSD03

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 304448 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 25.7  | 15.8  | 23.6#  |
| 87       | 12.3  | 10.3  | 15.5   |

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#44

Trichloroethene

Concen: 21.01 ug/l

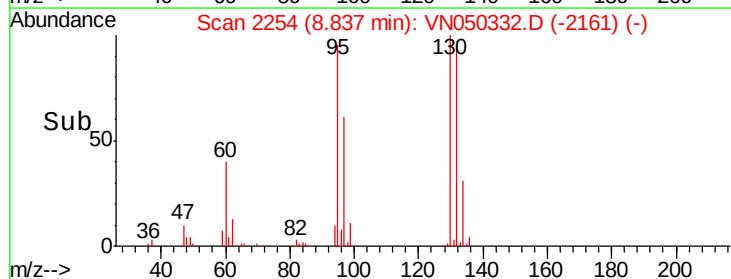
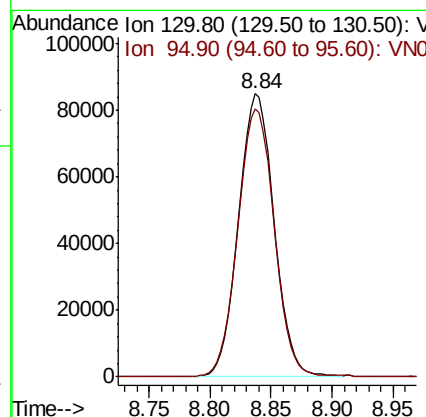
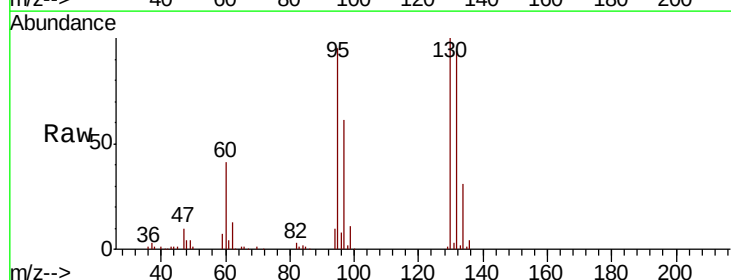
RT: 8.84 min Scan# 2254

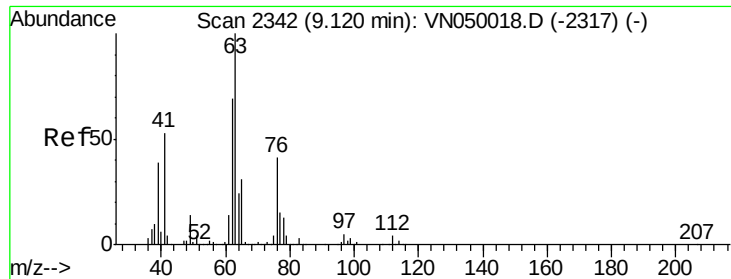
Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 171778 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 94.5  | 0.0   | 194.6  |





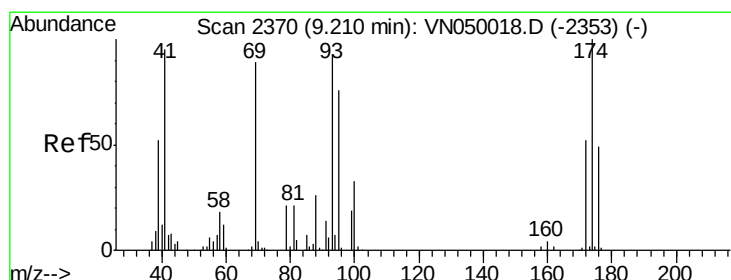
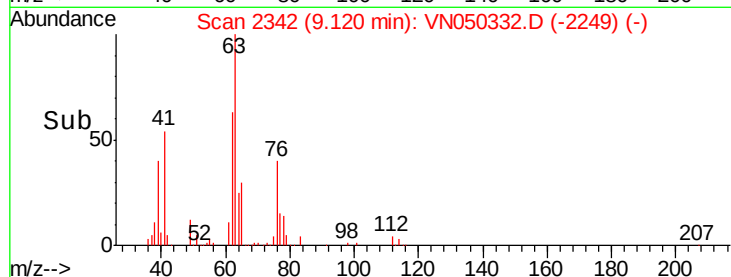
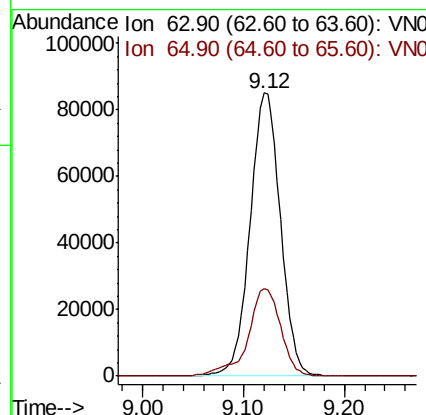
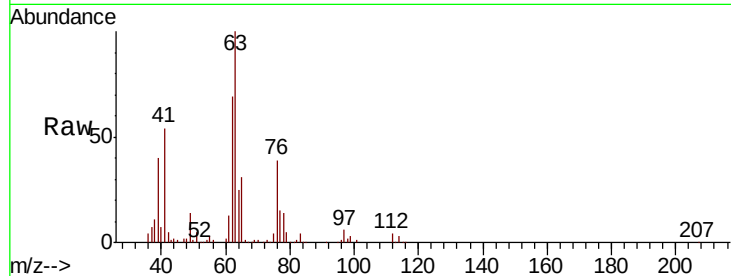
#45  
 1,2-Dichloropropane  
 Concen: 21.97 ug/l  
 RT: 9.12 min Scan# 2342  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0803WBSD03

Tot Ion: 63 Resp: 177011  
 Ion Ratio Lower Upper  
 63 100  
 65 30.9 25.5 38.3

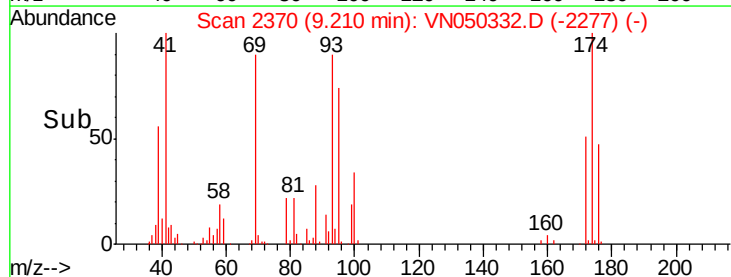
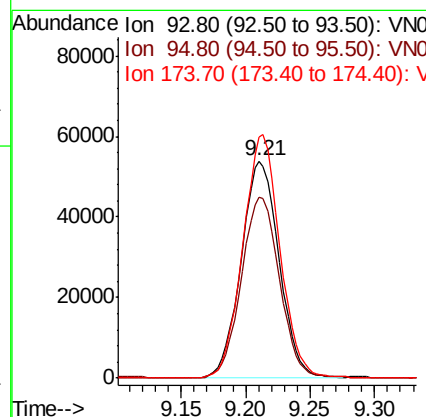
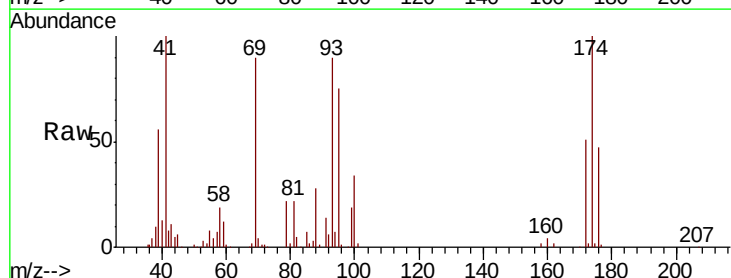
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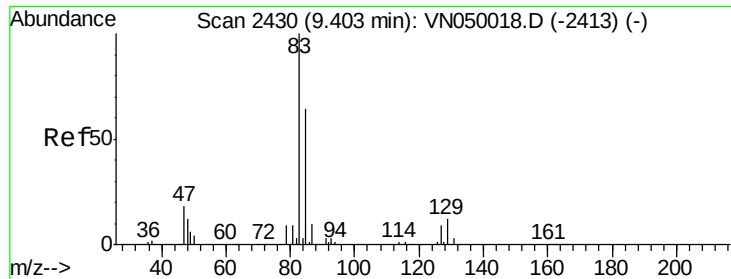
MMDadoda  
 8/6/2018 11:37:08 AM



#46  
 Dibromomethane  
 Concen: 22.09 ug/l  
 RT: 9.21 min Scan# 2370  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

Tgt Ion: 93 Resp: 110552  
 Ion Ratio Lower Upper  
 93 100  
 95 83.9 66.6 100.0  
 174 109.4 87.1 130.7





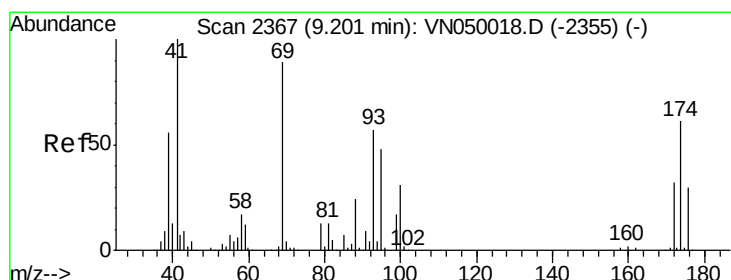
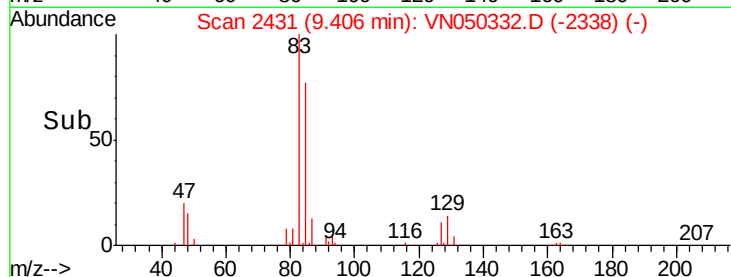
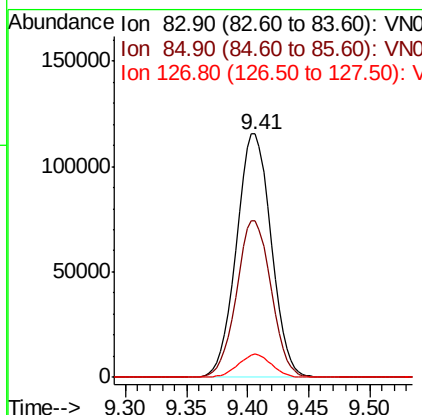
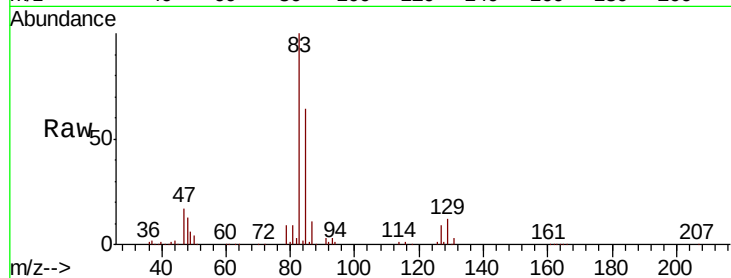
#47  
Bromodichloromethane  
Concen: 21.56 ug/l  
RT: 9.41 min Scan# 2431  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 227688 |       |       |
| 85      | 64.2  | 51.1   | 76.7  |       |
| 127     | 9.4   | 7.0    | 10.4  |       |

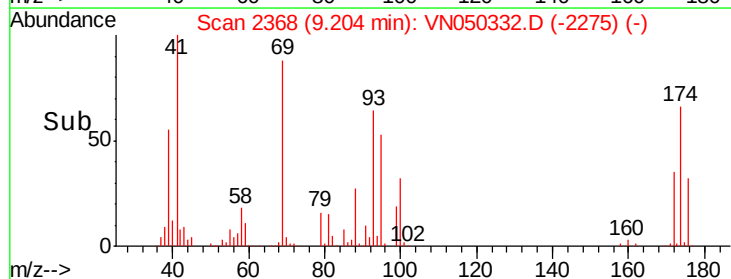
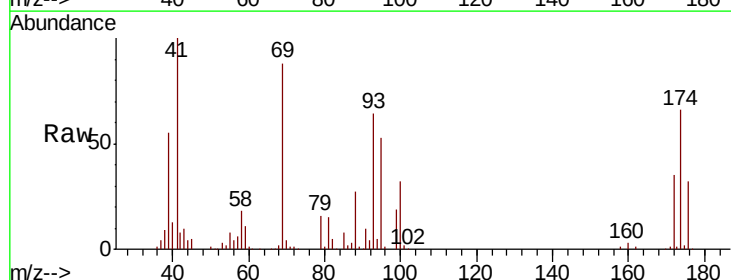
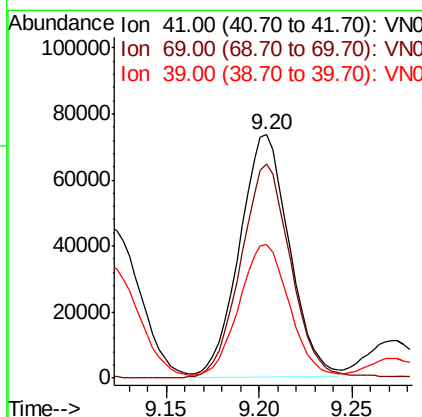
Manual Integrations  
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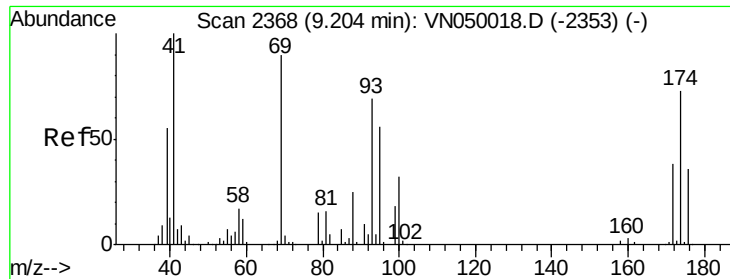
MMDadoda  
8/6/2018 11:37:08 AM



#48  
Methyl methacrylate  
Concen: 22.89 ug/l  
RT: 9.20 min Scan# 2368  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 137410 |       |       |
| 69      | 88.9  | 70.6   | 105.8 |       |
| 39      | 55.2  | 43.9   | 65.9  |       |





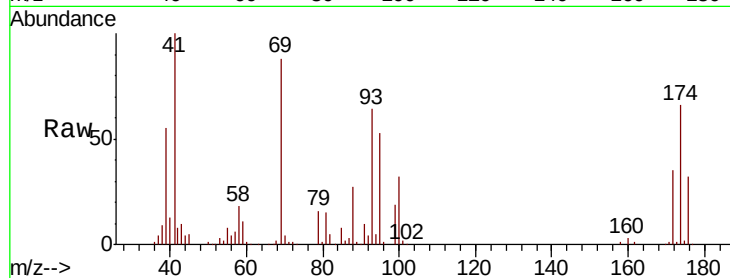
#49  
 1,4-Dioxane  
 Concen: 483.01 ug/l  
 RT: 9.20 min Scan# 2368  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0803WBSD03

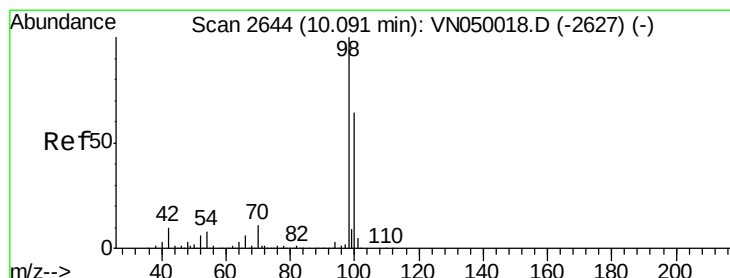
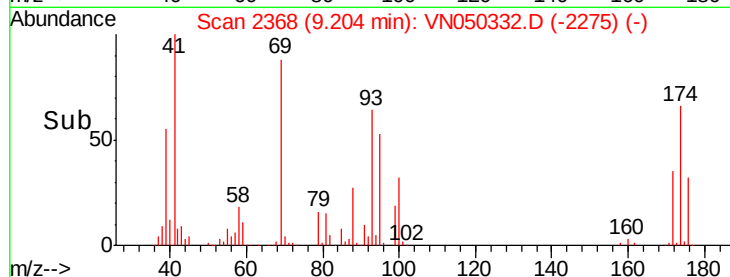
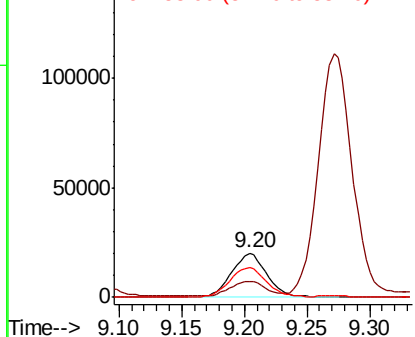
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.0  | 26.9  | 40.3  |
| 58      | 70.7  | 57.3  | 85.9  |

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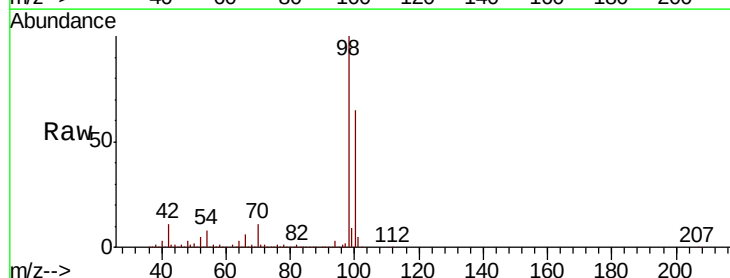


Abundance Ion 88.00 (87.70 to 88.70): VN0  
 Ion 43.00 (42.70 to 43.70): VN0  
 Ion 58.00 (57.70 to 58.70): VN0

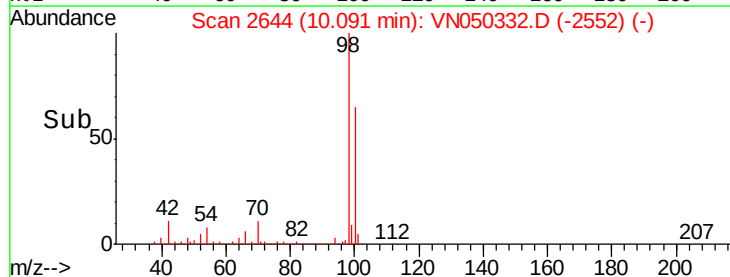
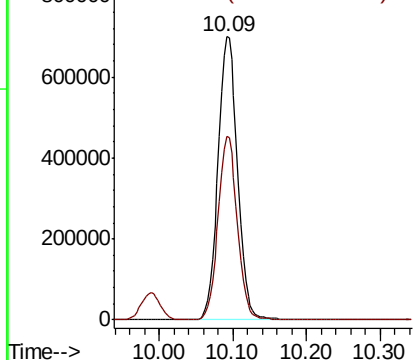


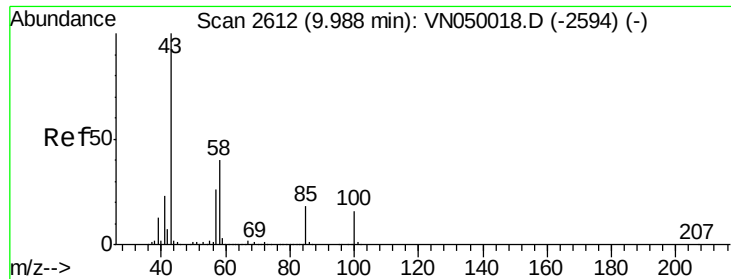
#50  
 Toluene-d8  
 Concen: 48.19 ug/l  
 RT: 10.09 min Scan# 2644  
 Delta R.T. -0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.1  | 50.7  | 76.1  |



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





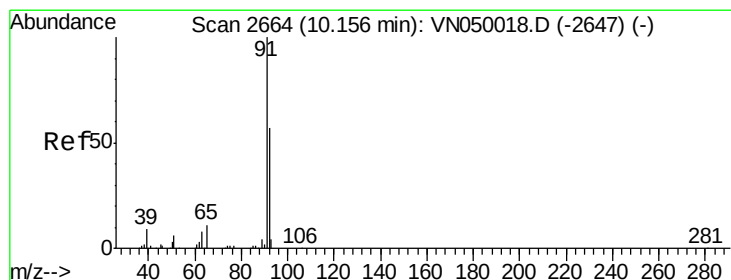
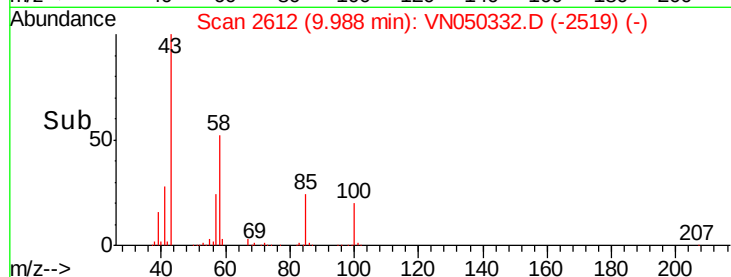
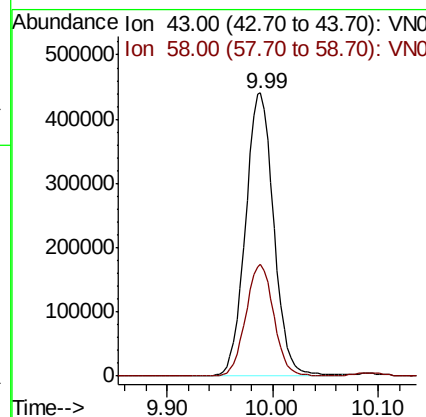
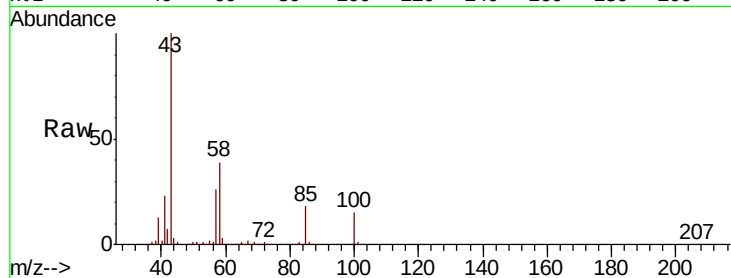
#51  
4-Methyl-2-Pentanone  
Concen: 119.63 ug/l  
RT: 9.99 min Scan# 2612  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0803WBSD03

| Tot Ion | 43    | Resp  | 819768 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 58      | 39.3  | 31.9  | 47.9   |

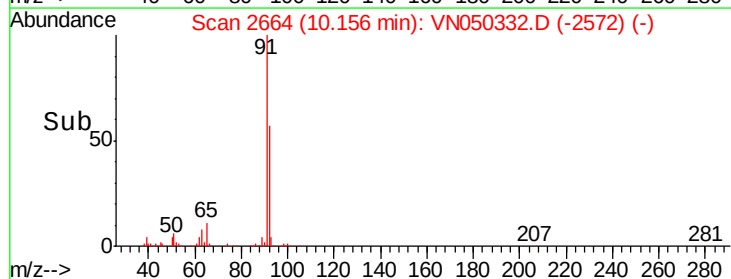
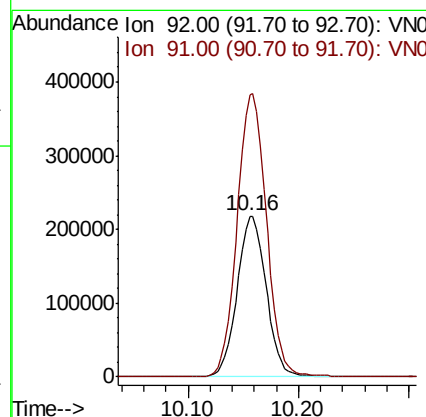
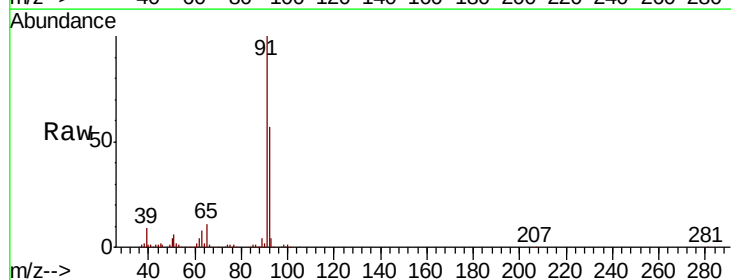
Manual Integrations  
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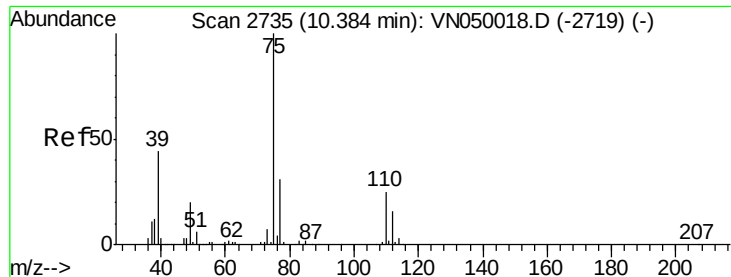
MMDadoda  
8/6/2018 11:37:08 AM



#52  
Toluene  
Concen: 22.21 ug/l  
RT: 10.16 min Scan# 2664  
Delta R.T. -0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

| Tgt Ion | 92    | Resp  | 398881 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 92      | 100   |       |        |
| 91      | 178.2 | 140.3 | 210.5  |





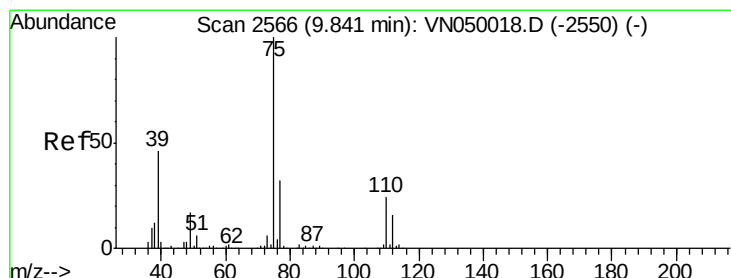
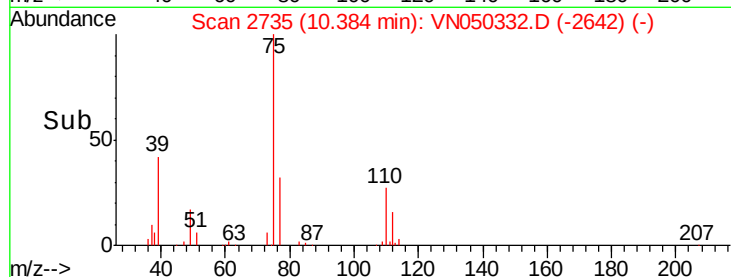
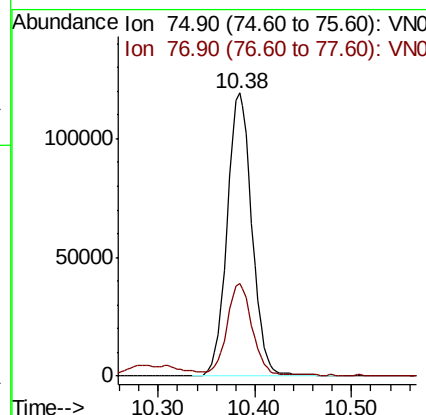
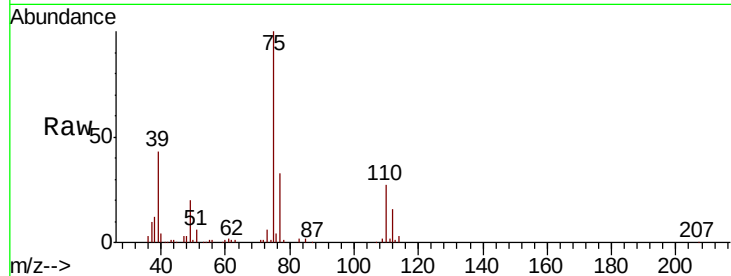
#53  
t-1,3-Dichloropropene  
Concen: 21.34 ug/l  
RT: 10.38 min Scan# 2735  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.5  | 24.9  | 37.3  |

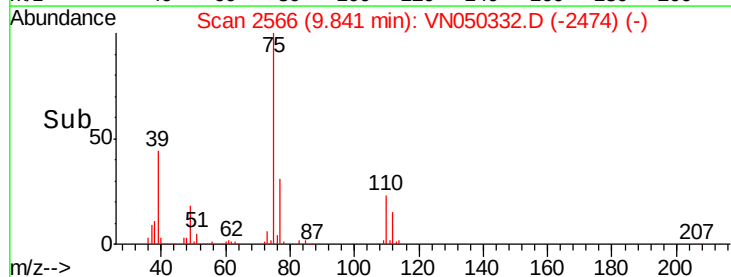
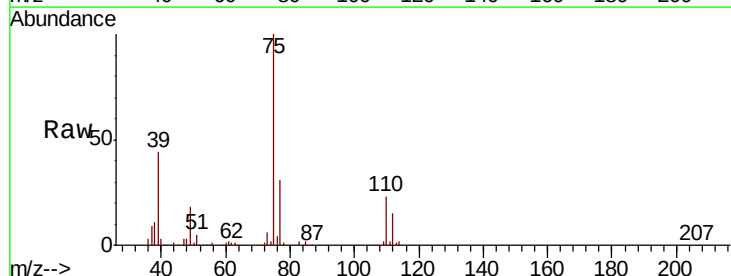
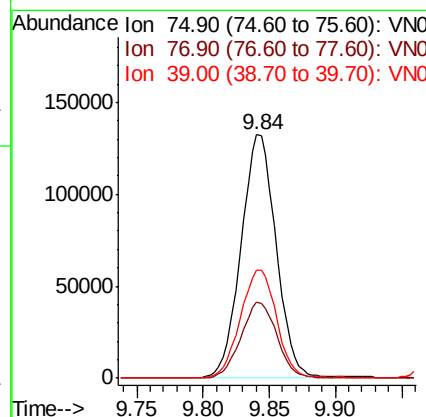
Manual Integrations  
APPROVED

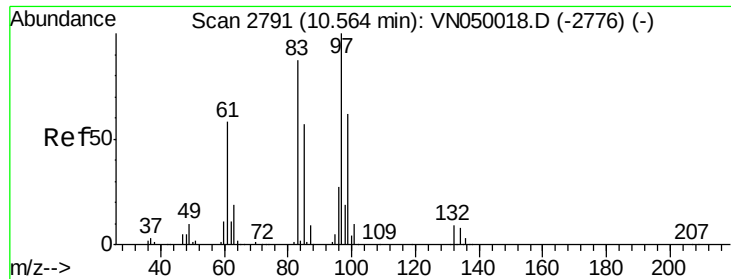
MMDadoda  
8/6/2018 11:37:08 AM



#54  
cis-1,3-Dichloropropene  
Concen: 21.39 ug/l  
RT: 9.84 min Scan# 2566  
Delta R.T. -0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.2  | 25.5  | 38.3  |
| 39      | 44.2  | 36.6  | 55.0  |





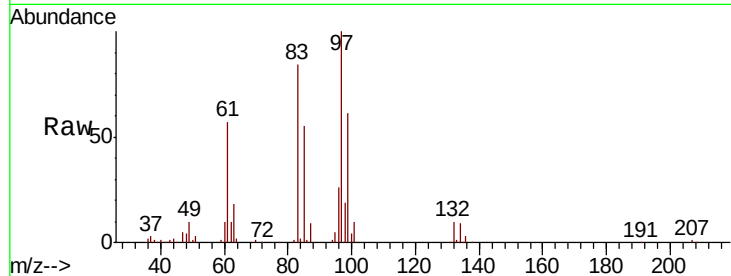
#55  
 1,1,2-Trichloroethane  
 Concen: 23.09 ug/l  
 RT: 10.56 min Scan# 2791  
 Delta R.T. -0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0803WBSD03

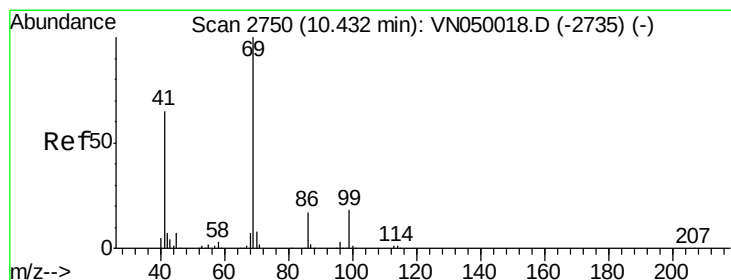
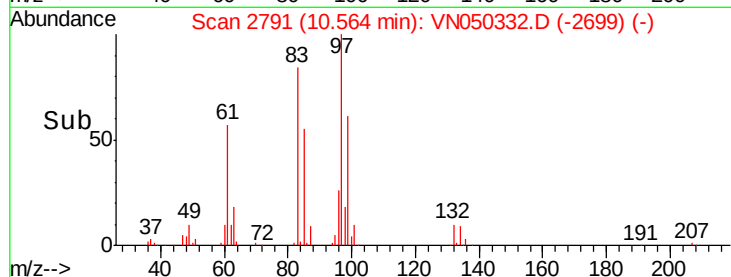
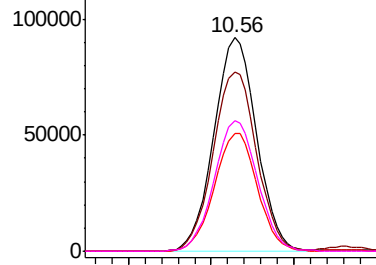
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 164459 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 83.9  | 69.2  | 103.8  |
| 85       | 55.4  | 44.0  | 66.0   |
| 99       | 61.1  | 49.9  | 74.9   |

Manual Integrations  
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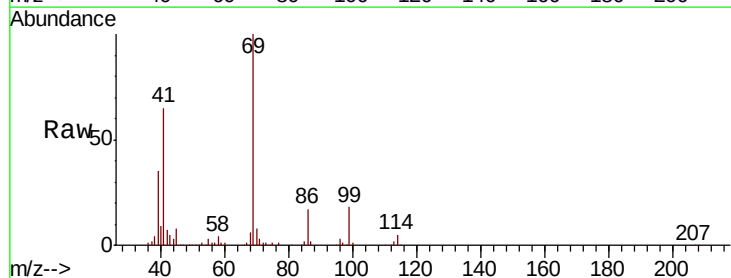


Abundance Ion 96.90 (96.60 to 97.60): VNO  
 Ion 82.90 (82.60 to 83.60): VNO  
 Ion 84.90 (84.60 to 85.60): VNO  
 Ion 98.90 (98.60 to 99.60): VNO

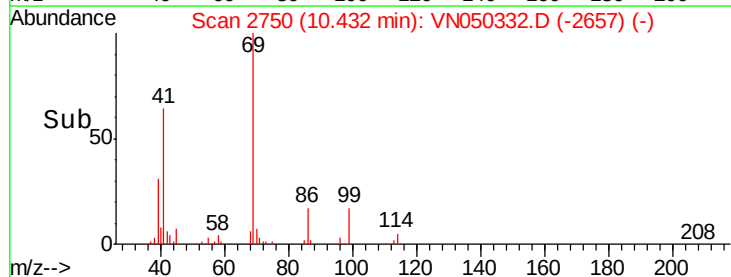
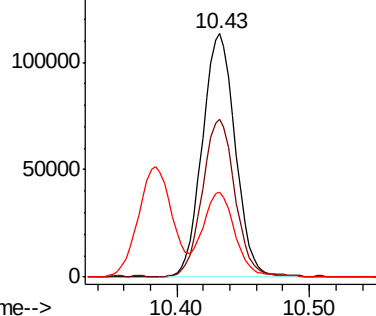


#56  
 Ethyl methacrylate  
 Concen: 21.53 ug/l  
 RT: 10.43 min Scan# 2750  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

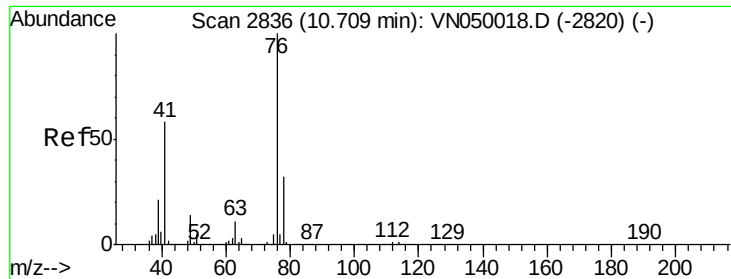
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 196077 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 63.2  | 51.0  | 76.4   |
| 39       | 33.9  | 26.6  | 40.0   |



Abundance Ion 69.00 (68.70 to 69.70): VNO  
 Ion 41.00 (40.70 to 41.70): VNO  
 Ion 39.00 (38.70 to 39.70): VNO







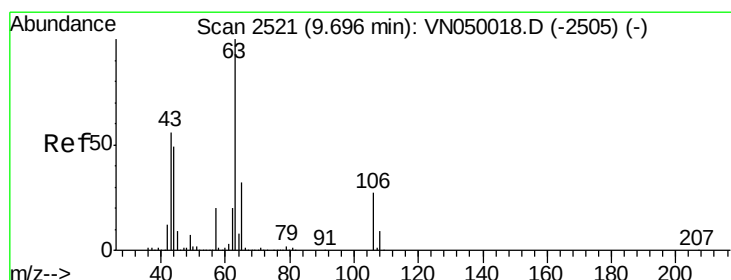
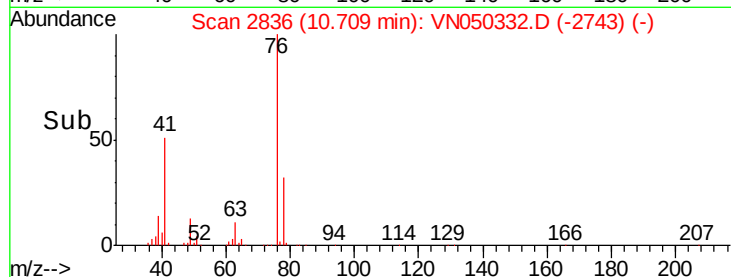
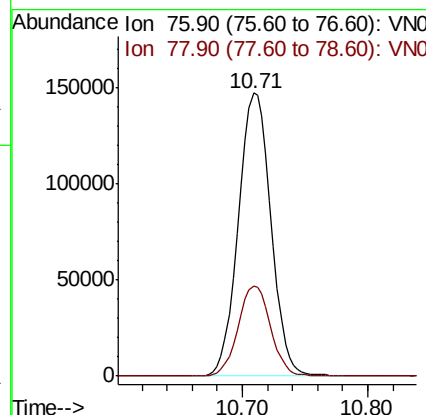
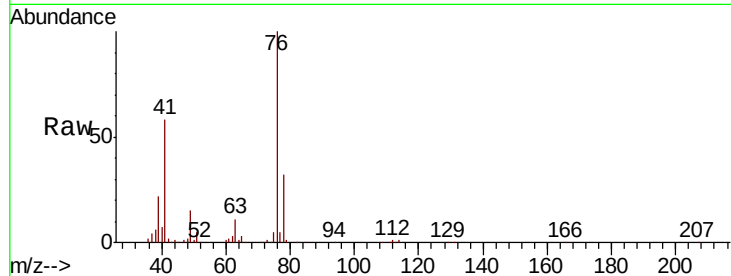
#57  
 1,3-Dichloropropane  
 Concen: 22.93 ug/l  
 RT: 10.71 min Scan# 2836  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0803WBSD03

Tot Ion: 76 Resp: 265960  
 Ion Ratio Lower Upper  
 76 100  
 78 31.7 25.7 38.5

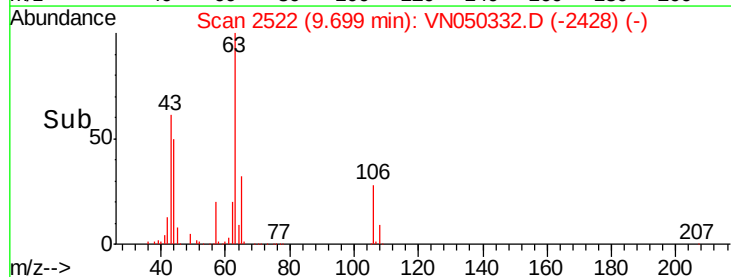
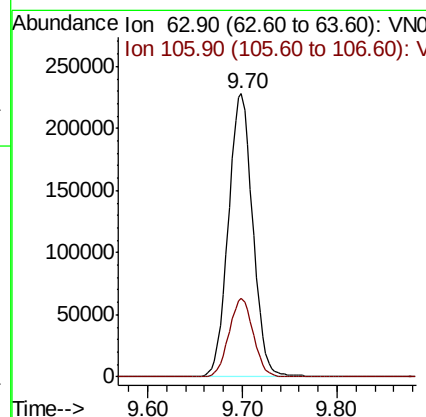
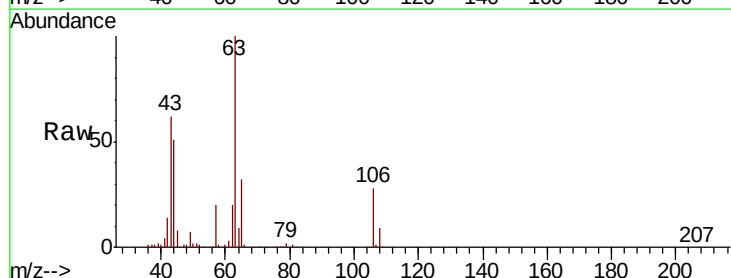
Manual Integrations  
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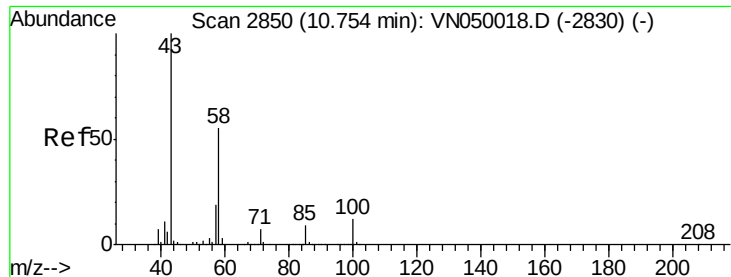
MMDadoda  
 8/6/2018 11:37:08 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 96.21 ug/l  
 RT: 9.70 min Scan# 2522  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

Tgt Ion: 63 Resp: 409247  
 Ion Ratio Lower Upper  
 63 100  
 106 27.6 21.7 32.5





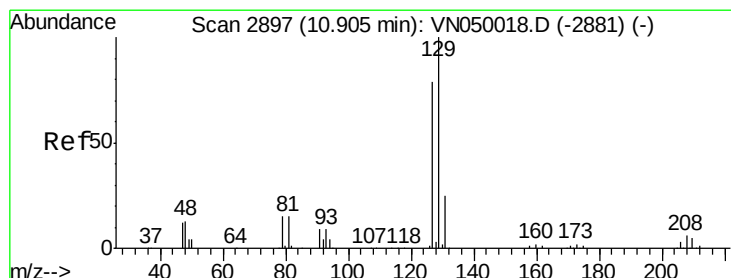
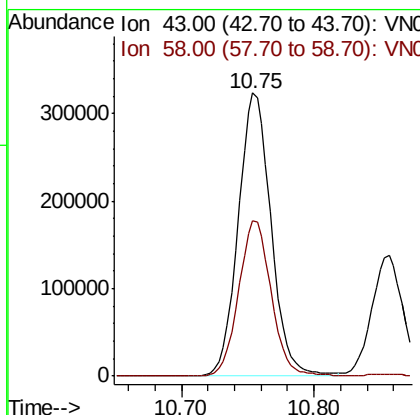
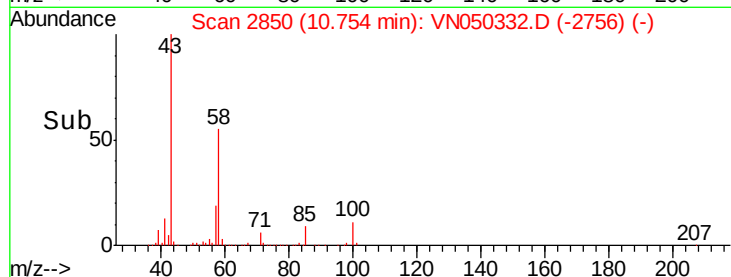
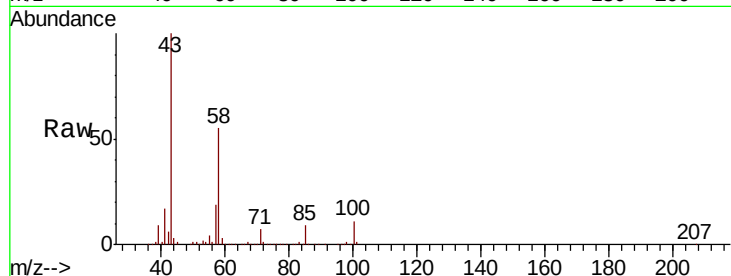
#59  
2-Hexanone  
Concen: 112.89 ug/l  
RT: 10.75 min Scan# 2850  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

Tot Ion: 43 Resp: 553833  
Ion Ratio Lower Upper  
43 100  
58 55.0 27.6 82.7

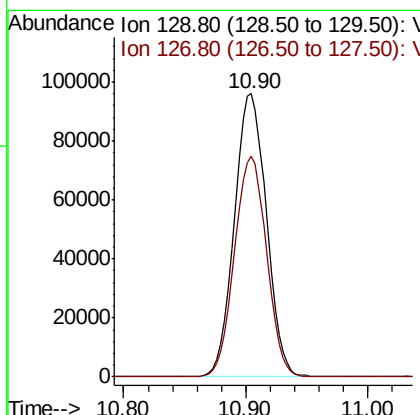
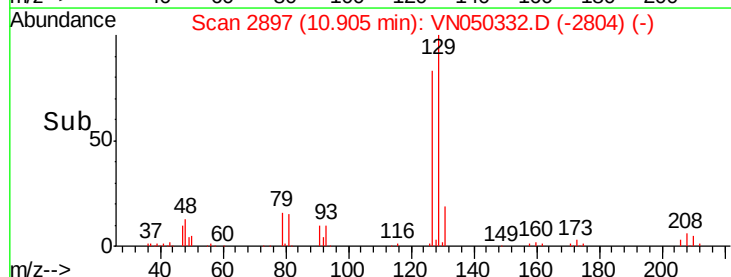
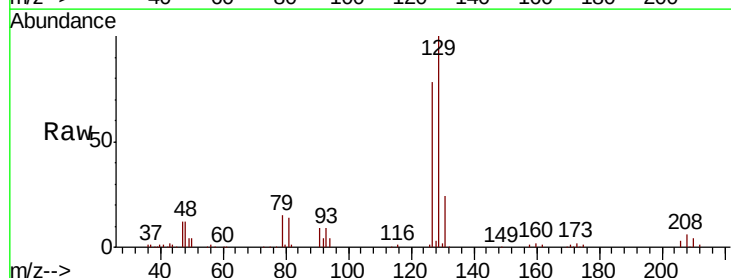
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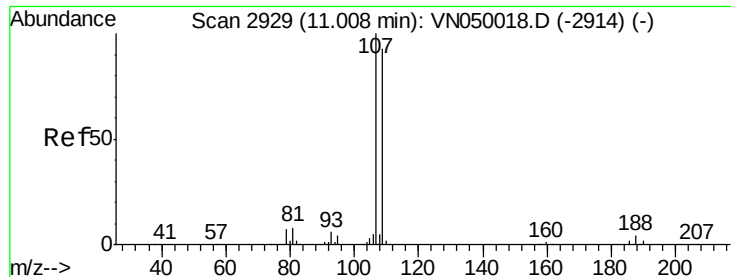
MMDadoda  
8/6/2018 11:37:08 AM



#60  
Dibromochloromethane  
Concen: 22.17 ug/l  
RT: 10.90 min Scan# 2897  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Tgt Ion: 129 Resp: 174888  
Ion Ratio Lower Upper  
129 100  
127 78.0 38.0 113.9





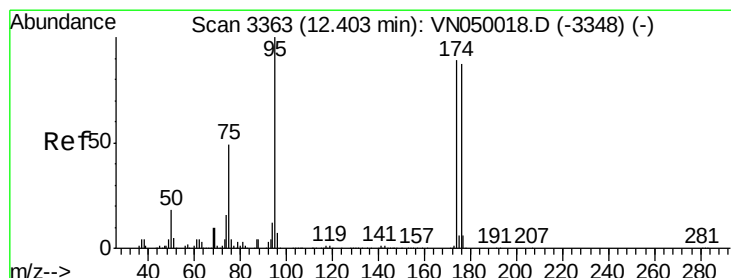
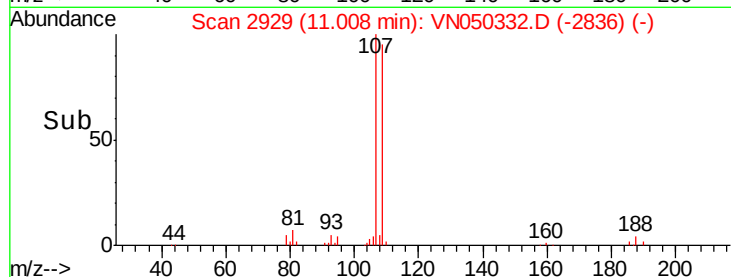
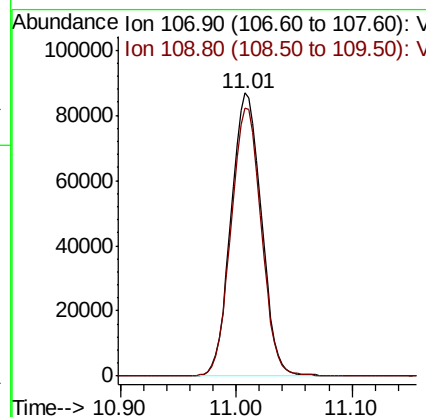
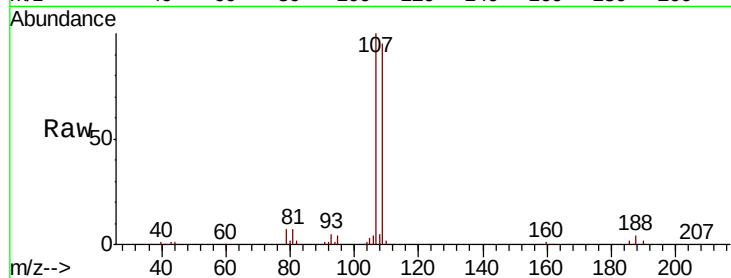
#61  
 1,2-Dibromoethane  
 Concen: 22.23 ug/l  
 RT: 11.01 min Scan# 2929  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0803WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.2  | 74.6  | 112.0 |

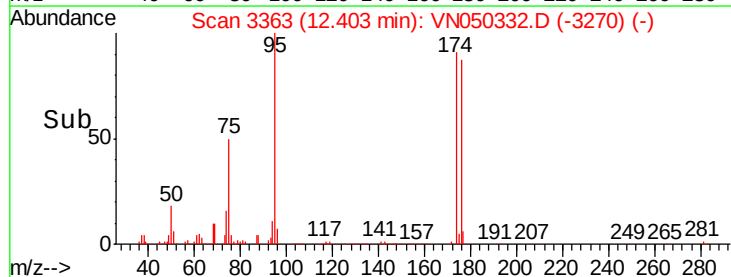
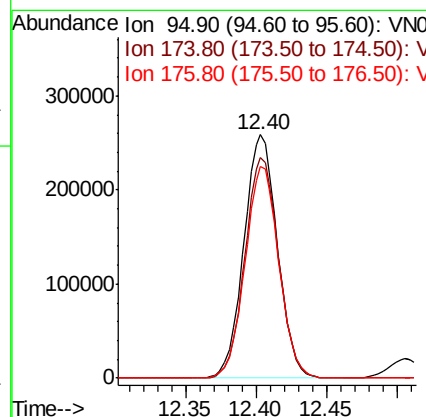
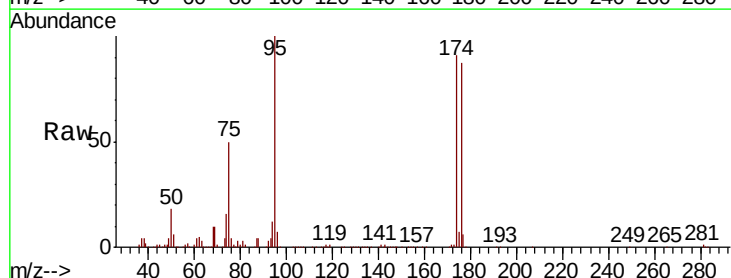
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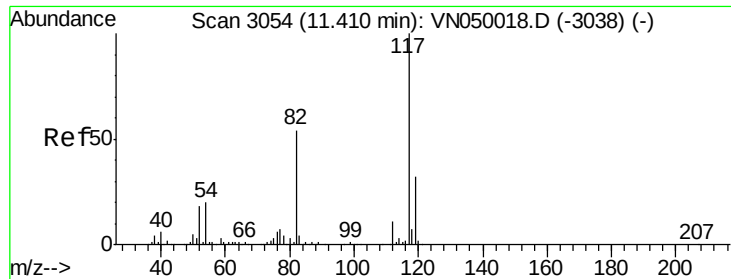
MMDadoda  
 8/6/2018 11:37:08 AM



#62  
 4-Bromofluorobenzene  
 Concen: 49.11 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 90.9  | 0.0   | 178.2 |
| 176     | 87.4  | 0.0   | 173.4 |





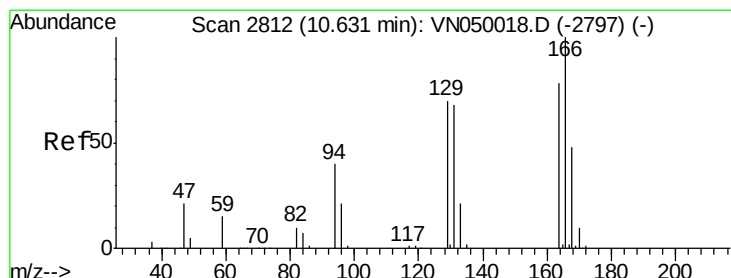
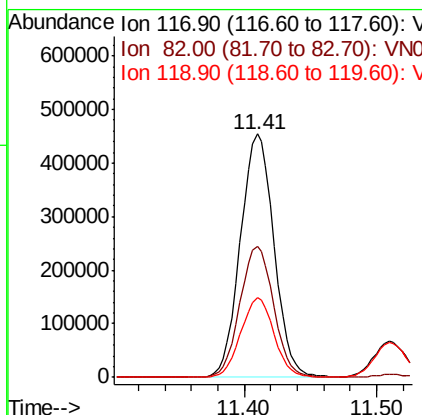
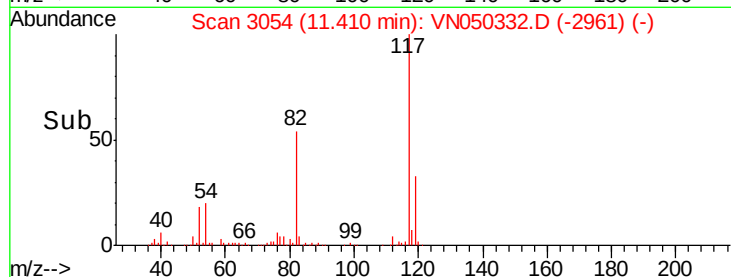
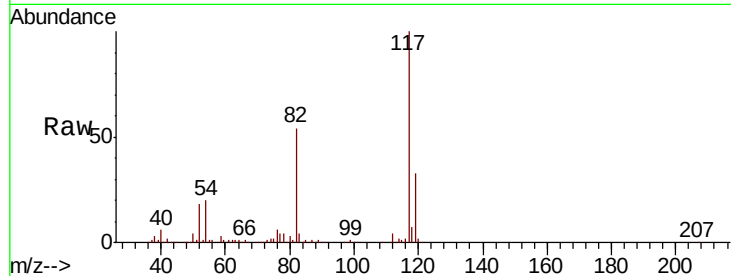
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.9  | 43.7  | 65.5  |
| 119     | 32.6  | 26.1  | 39.1  |

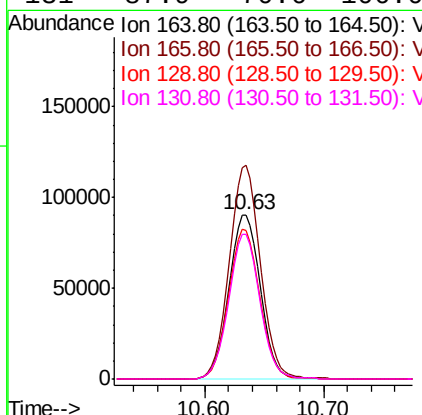
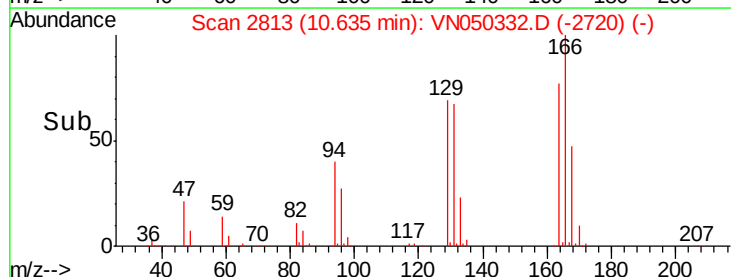
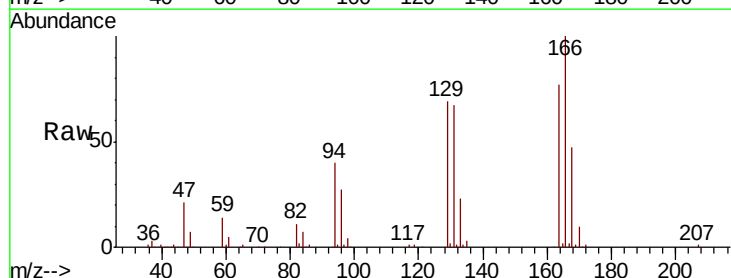
Manual Integrations  
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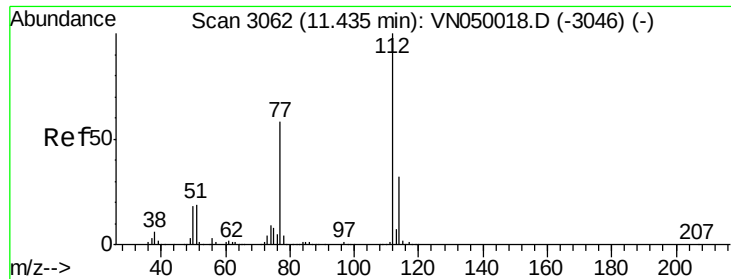
MMDadoda  
8/6/2018 11:37:08 AM



#64  
Tetrachloroethene  
Concen: 21.55 ug/l  
RT: 10.63 min Scan# 2813  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 130.3 | 102.1 | 153.1 |
| 129     | 90.4  | 73.2  | 109.8 |
| 131     | 87.9  | 70.6  | 106.0 |





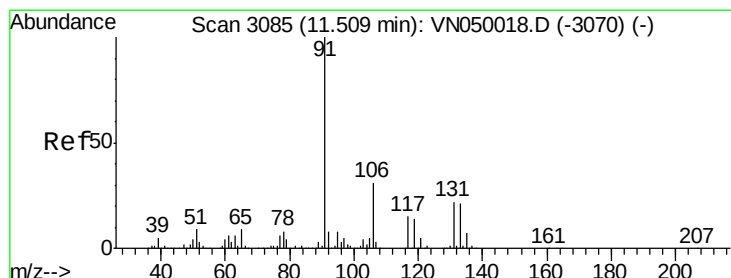
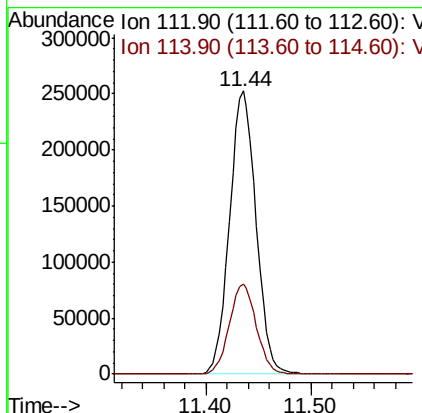
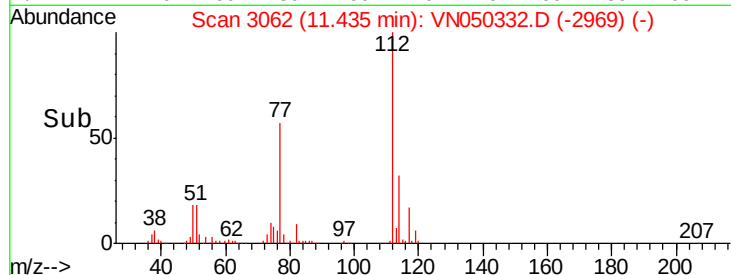
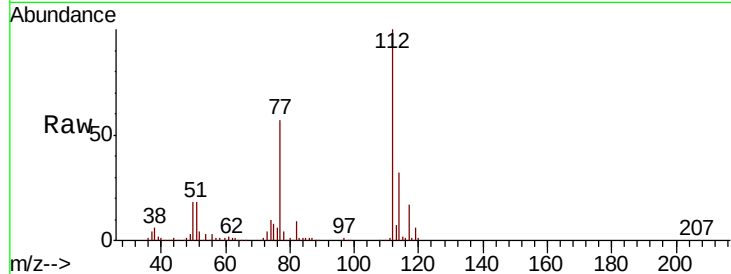
#65  
Chlorobenzene  
Concen: 21.64 ug/l  
RT: 11.44 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

Tot Ion:112 Resp: 437653  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.6 38.4

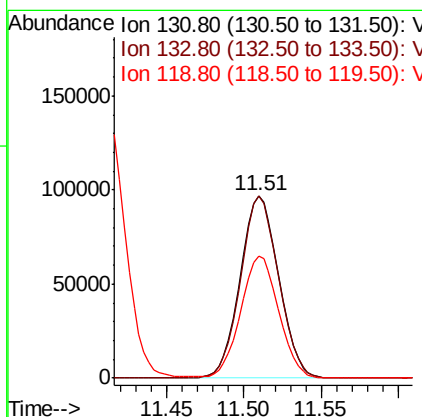
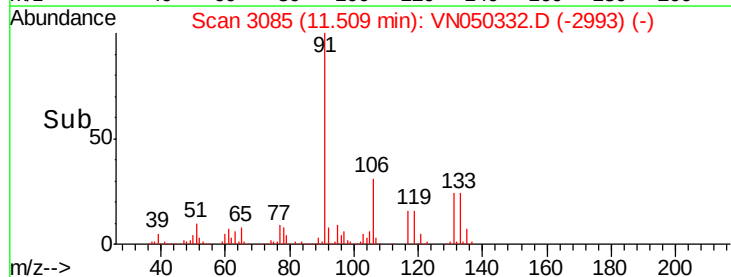
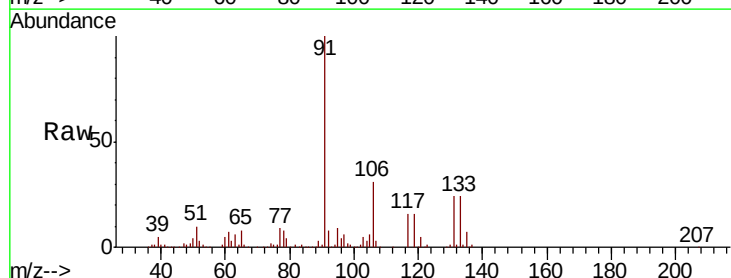
Manual Integrations  
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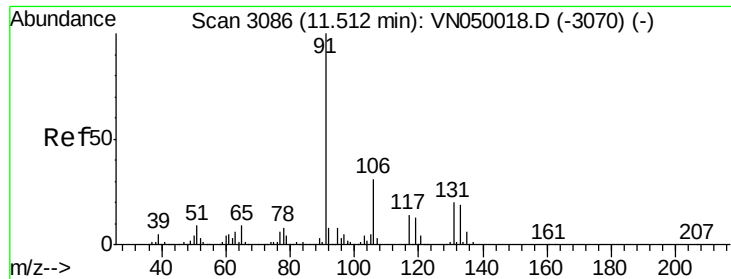
MMDadoda  
8/6/2018 11:37:08 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.63 ug/l  
RT: 11.51 min Scan# 3085  
Delta R.T. -0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Tgt Ion:131 Resp: 168088  
Ion Ratio Lower Upper  
131 100  
133 98.5 47.3 141.9  
119 66.2 32.9 98.7





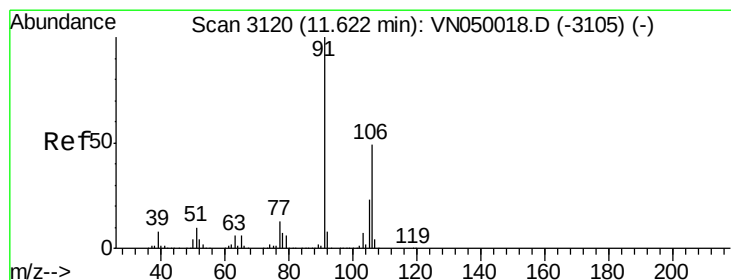
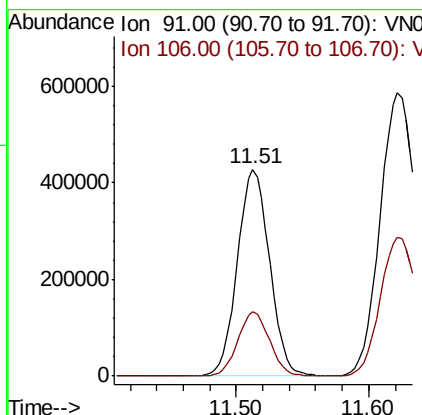
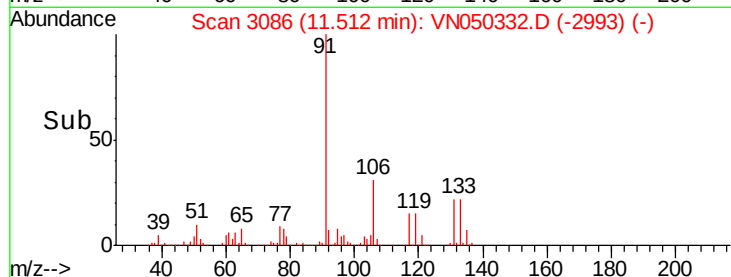
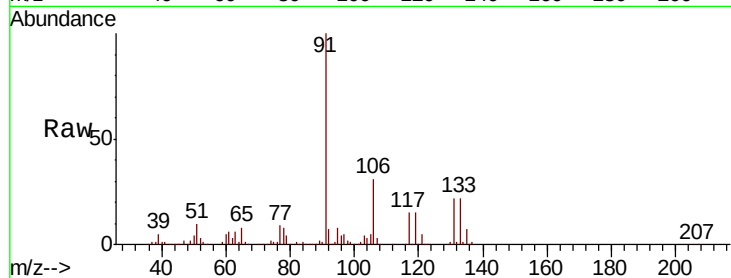
#67  
Ethyl Benzene  
Concen: 22.27 ug/l  
RT: 11.51 min Scan# 3086  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0803WBSD03

Tot Ion: 91 Resp: 723330  
Ion Ratio Lower Upper  
91 100  
106 31.0 25.0 37.4

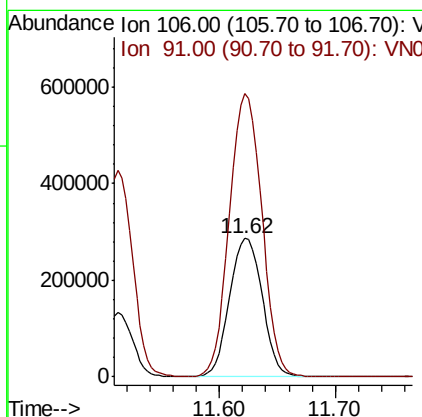
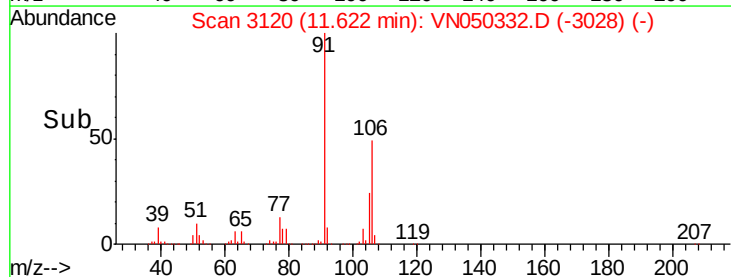
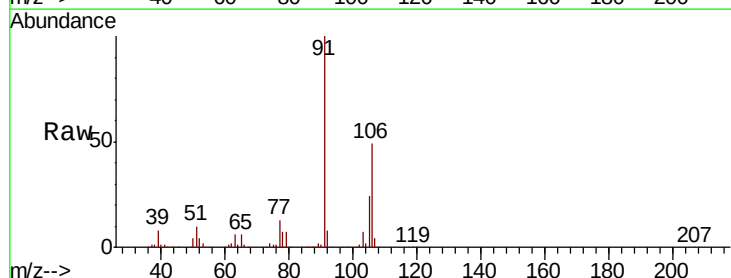
Manual Integrations  
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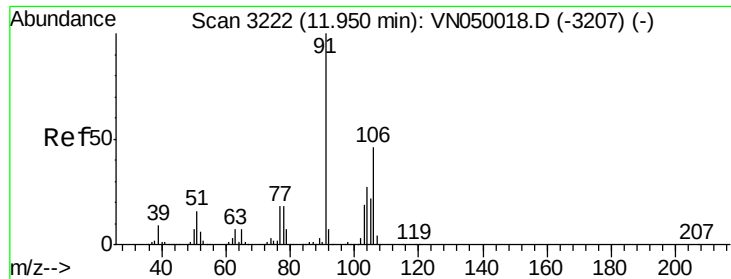
MMDadoda  
8/6/2018 11:37:08 AM



#68  
m/p-Xylenes  
Concen: 45.63 ug/l  
RT: 11.62 min Scan# 3120  
Delta R.T. -0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Tgt Ion: 106 Resp: 560711  
Ion Ratio Lower Upper  
106 100  
91 202.8 162.2 243.2





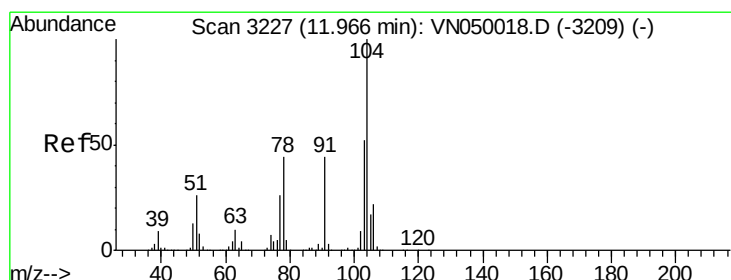
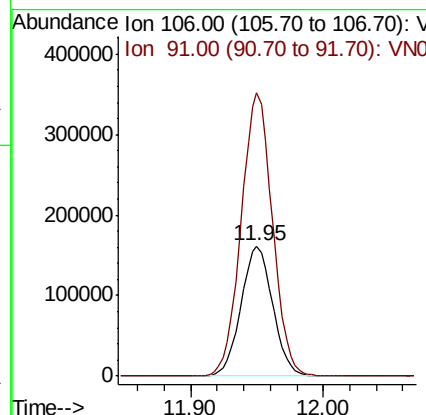
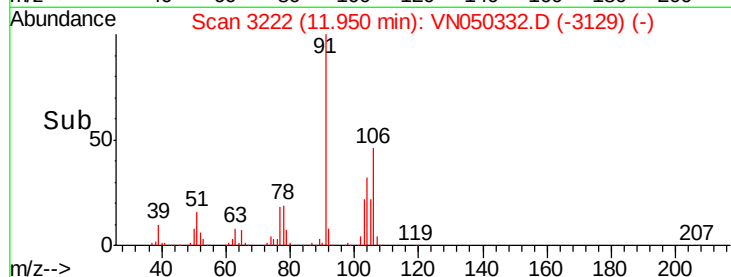
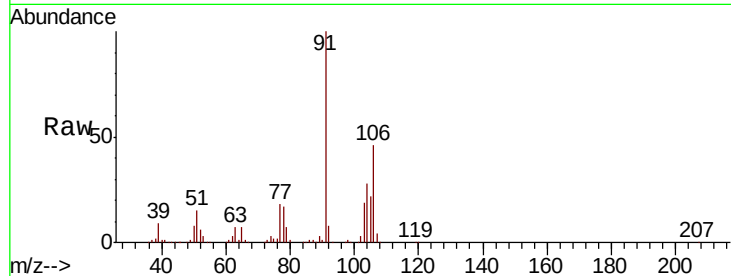
#69  
o-Xylene  
Concen: 22.84 ug/l  
RT: 11.95 min Scan# 3222  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0803WBSD03

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 267590 |       |       |
| 91      | 215.7 | 107.7 | 323.1  |       |       |

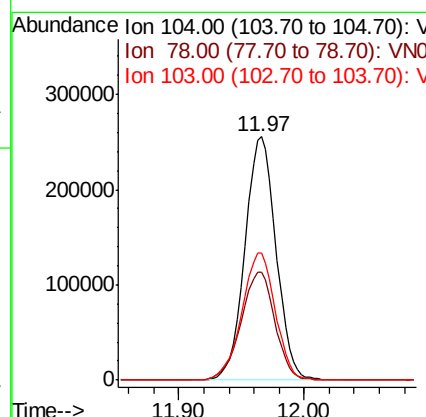
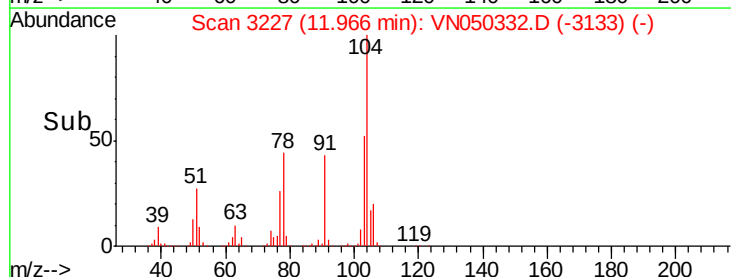
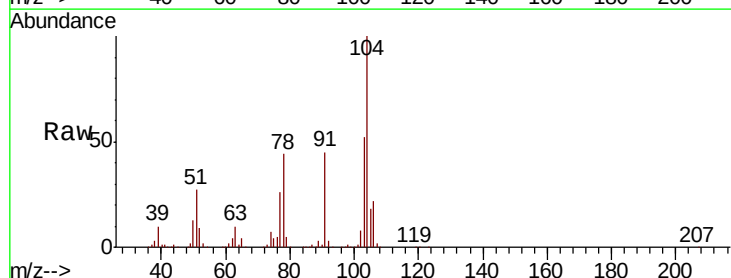
Manual Integrations  
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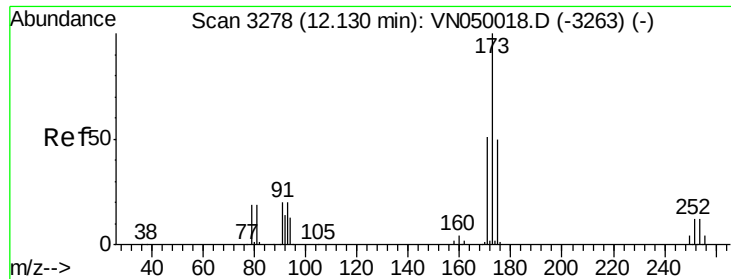
MMDadoda  
8/6/2018 11:37:08 AM



#70  
Styrene  
Concen: 21.67 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 440436 |       |       |
| 78      | 48.5 | 39.3  | 58.9   |       |       |
| 103     | 56.3 | 45.0  | 67.6   |       |       |





#71

Bromoform

Concen: 21.83 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

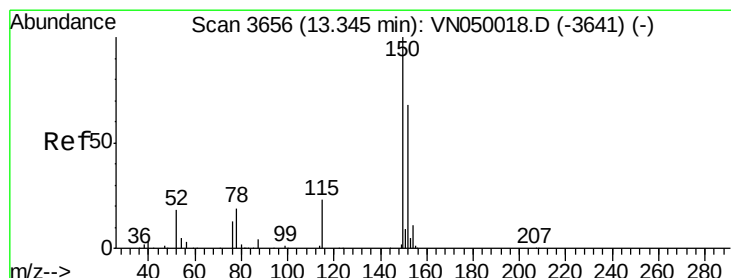
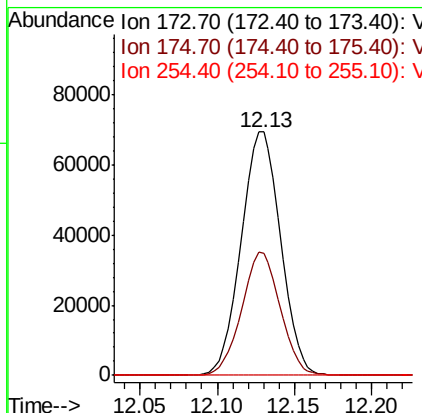
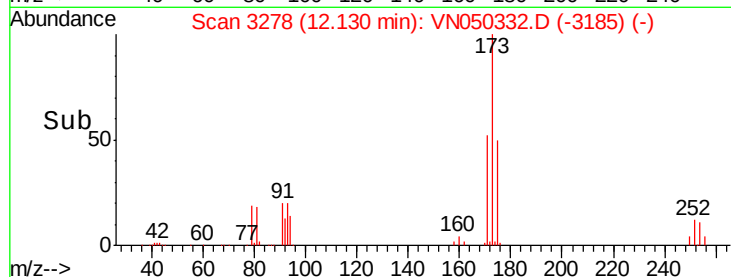
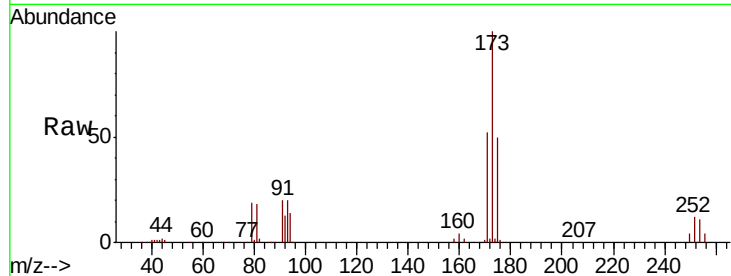
ClientSampled :

VN0803WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.4  | 24.1  | 72.2  |
| 254     | 0.0   | 0.2   | 0.2   |

Manual Integrations  
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MMDadoda  
8/6/2018 11:37:08 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

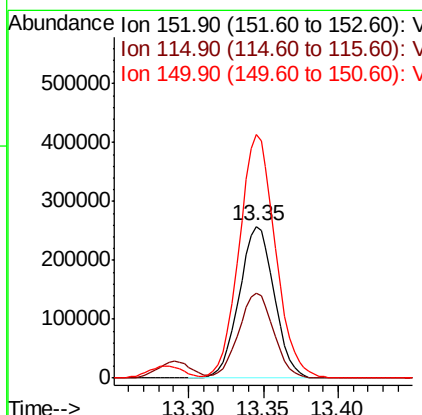
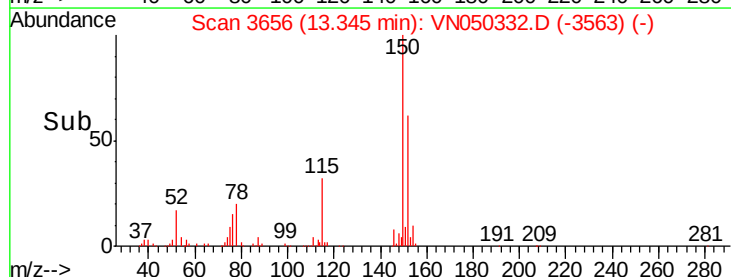
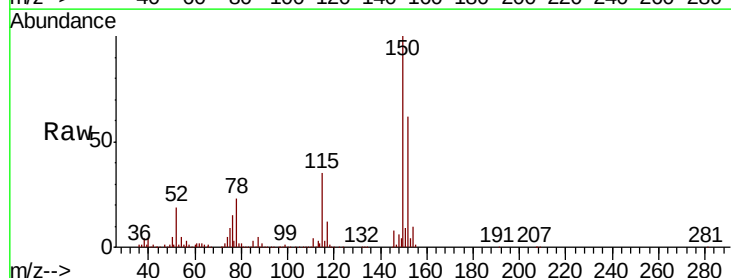
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

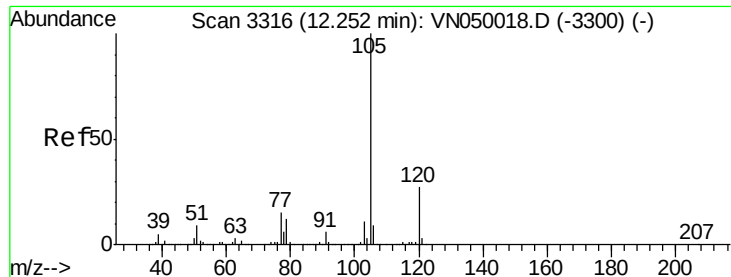
Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.2  | 27.8  | 83.3  |
| 150     | 166.2 | 0.0   | 348.6 |







#73

Isopropylbenzene

Concen: 22.09 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0803WBSD03

Tot Ion:105 Resp: 718001

Ion Ratio Lower Upper

105 100

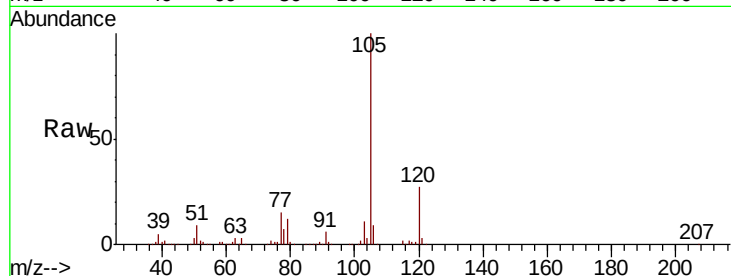
120 26.5 13.3 39.8

Manual Integrations

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8/6/2018 11:37:08 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

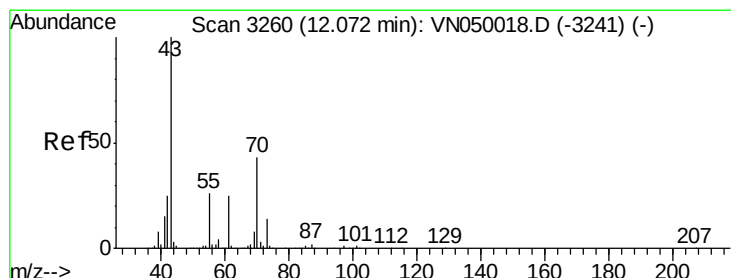
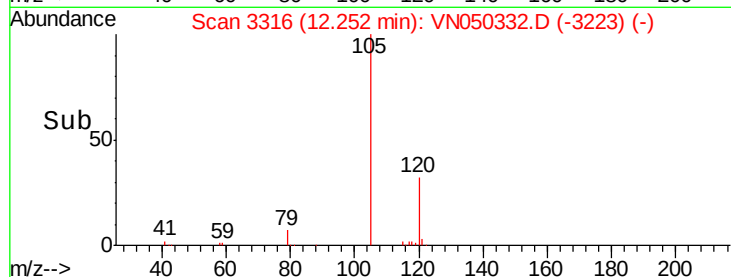
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 22.77 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Tgt Ion: 43 Resp: 226191

Ion Ratio Lower Upper

43 100

70 42.8 34.4 51.6

55 26.8 20.8 31.2

61 24.0 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

200000

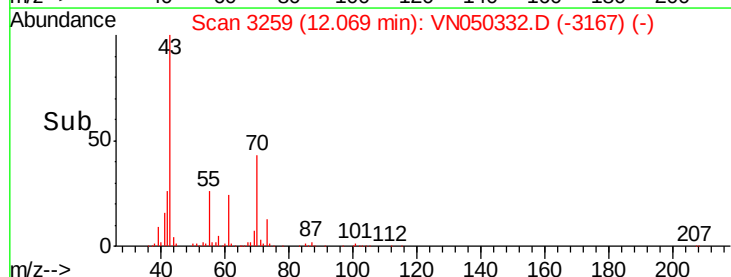
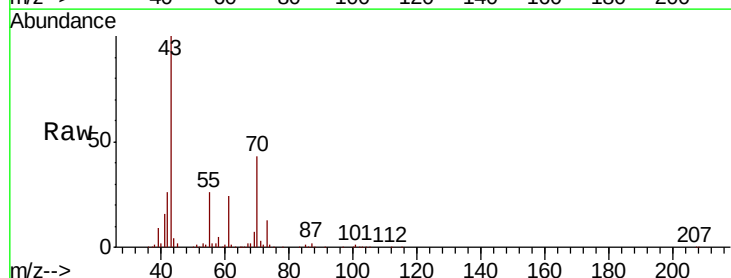
150000

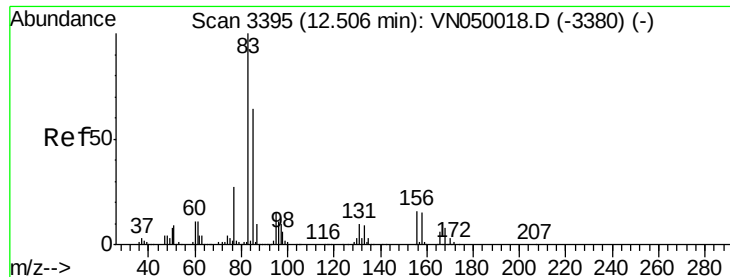
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 24.00 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

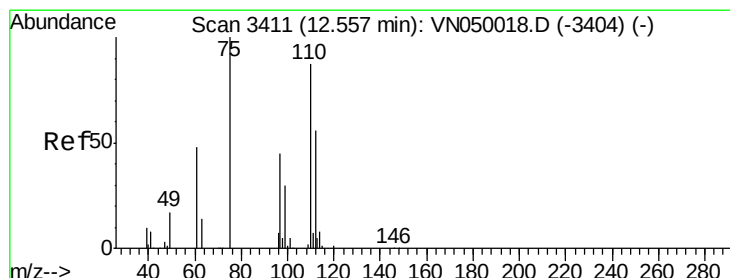
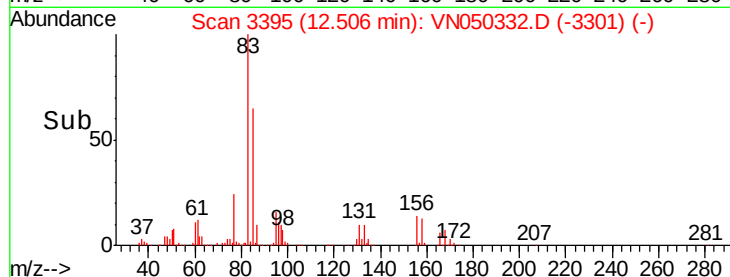
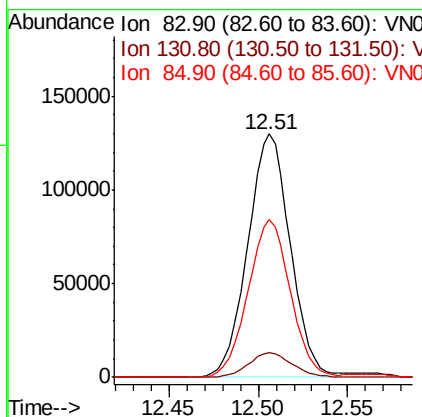
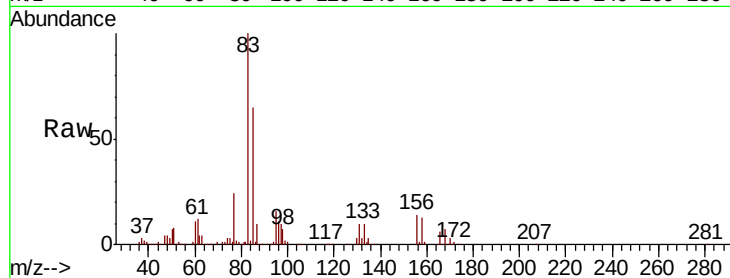
ClientSampleId :

VN0803WBSD03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 216254 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.4  | 5.1   | 15.3   |
| 85        | 64.3  | 32.3  | 96.8   |

Manual Integrations  
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8/6/2018 11:37:08 AM



#76

1,2,3-Trichloropropane

Concen: 23.03 ug/l m

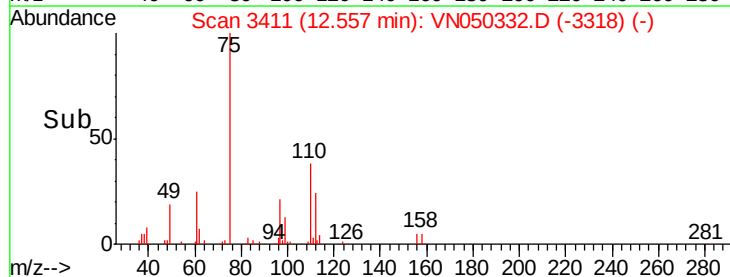
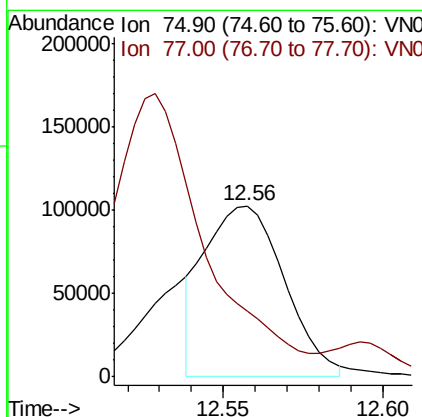
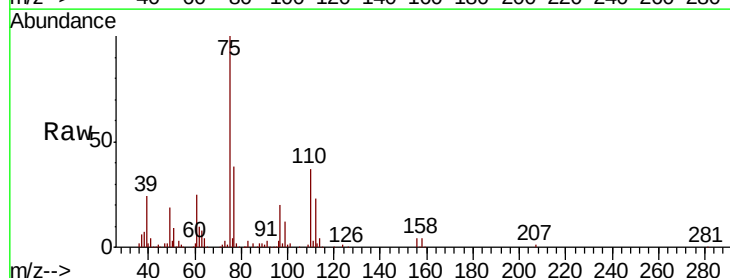
RT: 12.56 min Scan# 3411

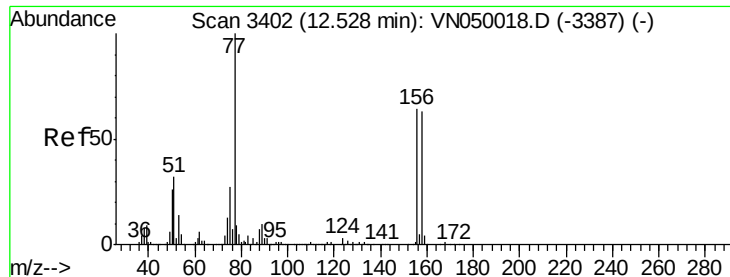
Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 179306 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 21.44 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

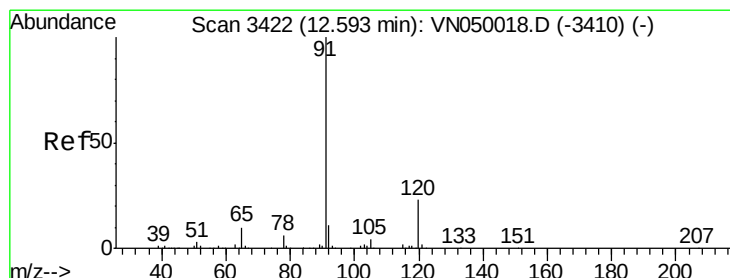
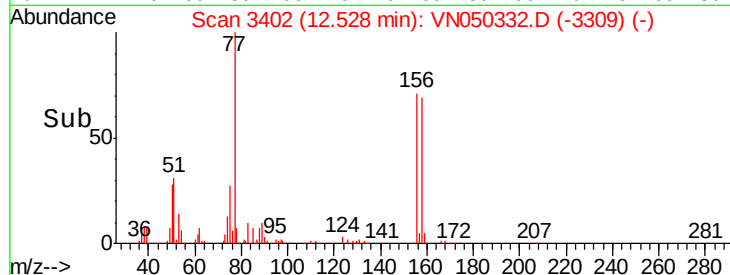
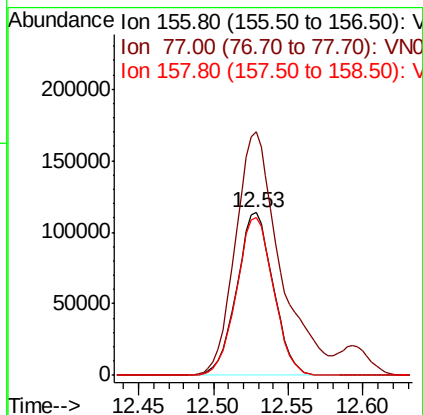
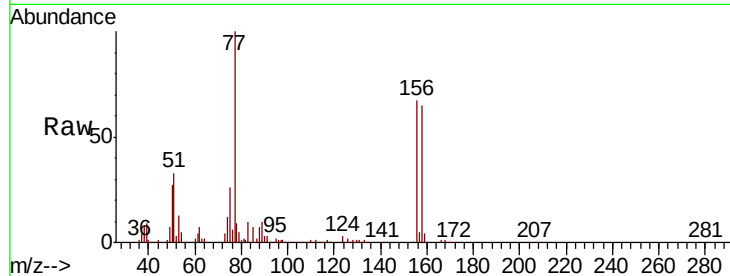
ClientSampleId :

VN0803WBSD03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 193140 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 182.0 | 91.7  | 275.1  |
| 158       | 97.8  | 48.9  | 146.6  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 22.62 ug/l

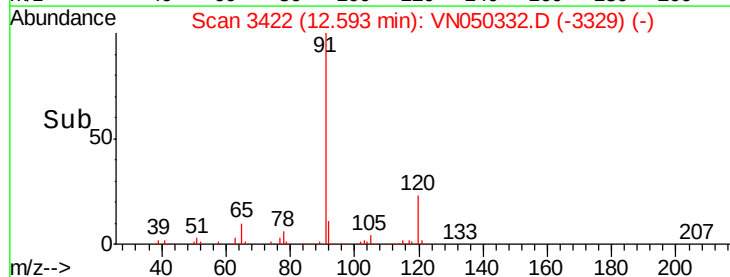
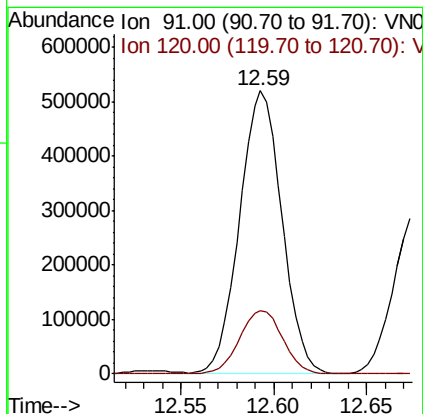
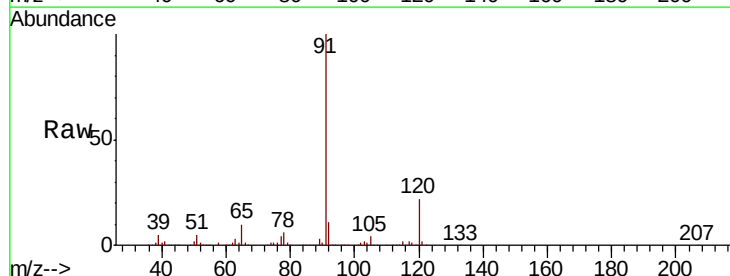
RT: 12.59 min Scan# 3422

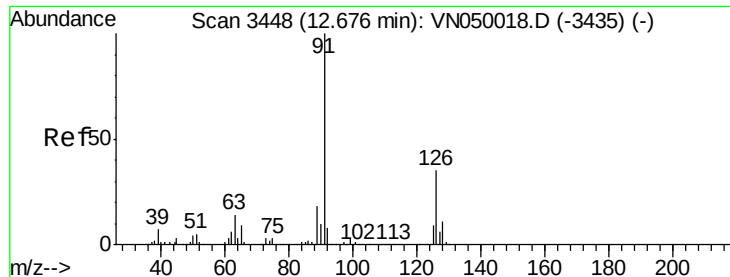
Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 821762 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.0  | 11.6  | 34.7   |





#79

2-Chlorotoluene

Concen: 22.00 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0803WBSD03

Tot Ion: 91 Resp: 495371

Ion Ratio Lower Upper

91 100

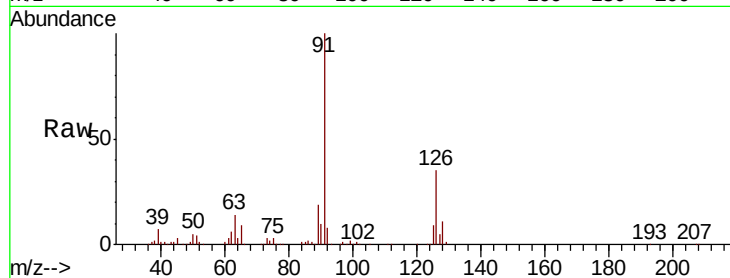
126 35.5 17.6 52.8

Manual Integrations

APPROVED

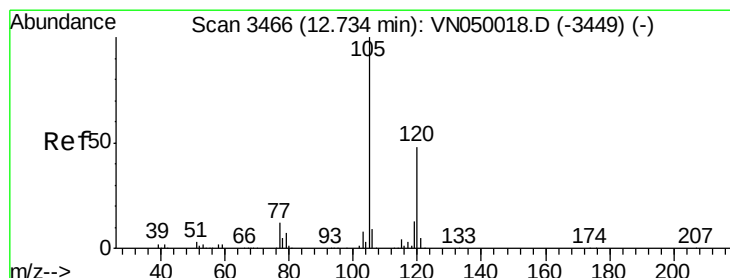
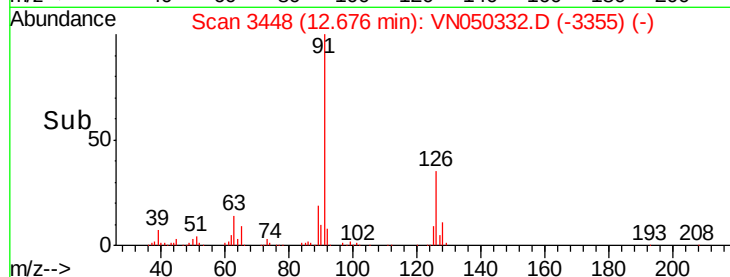
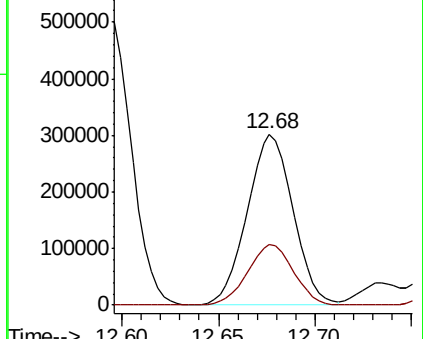
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050018.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.38 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050332.D

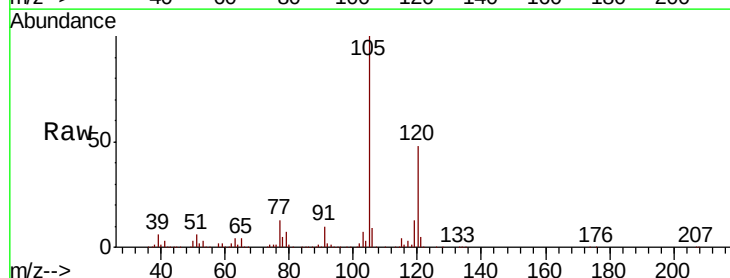
Acq: 4 Aug 2018 00:06

Tgt Ion: 105 Resp: 597696

Ion Ratio Lower Upper

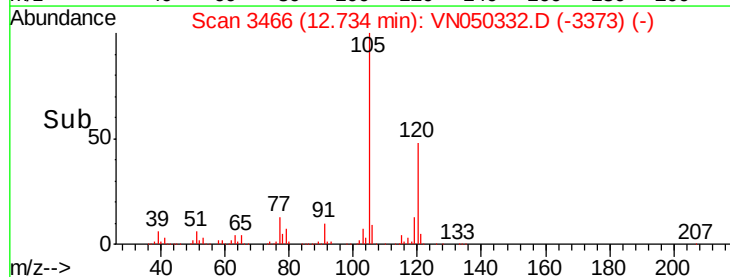
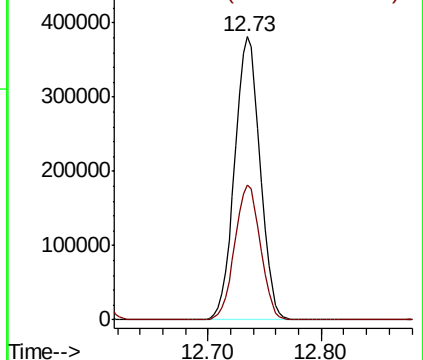
105 100

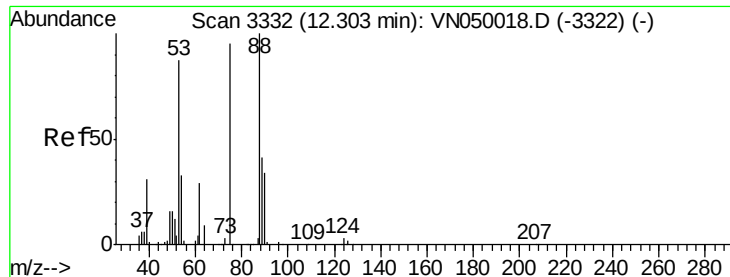
120 48.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.52 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0803WBSD03

Tot Ion: 75 Resp: 50390

Ion Ratio Lower Upper

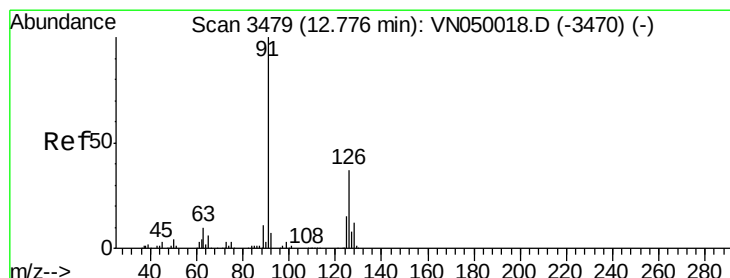
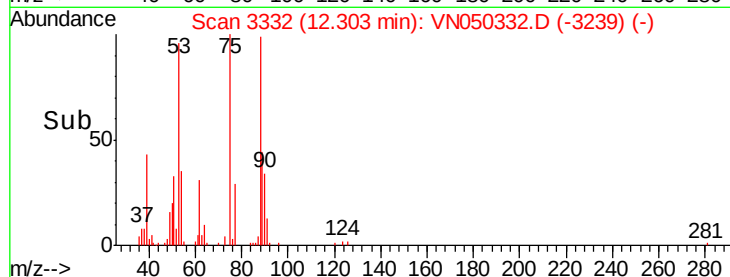
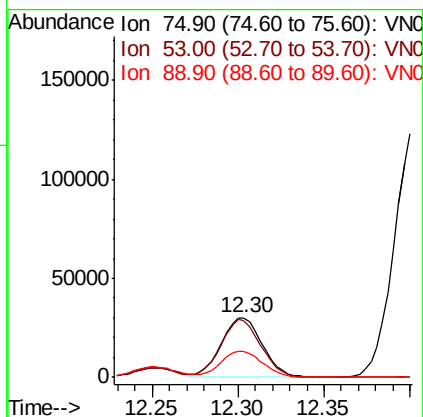
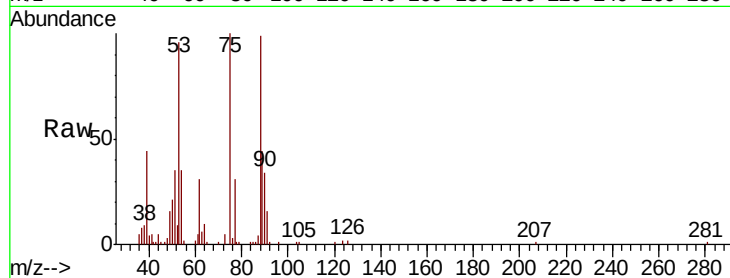
75 100

53 95.2 73.5 110.3

89 44.4 36.0 54.0

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 22.80 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050332.D

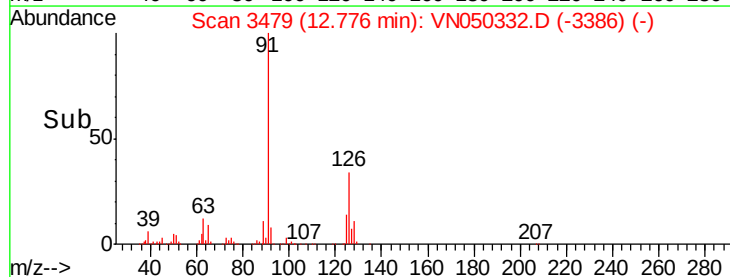
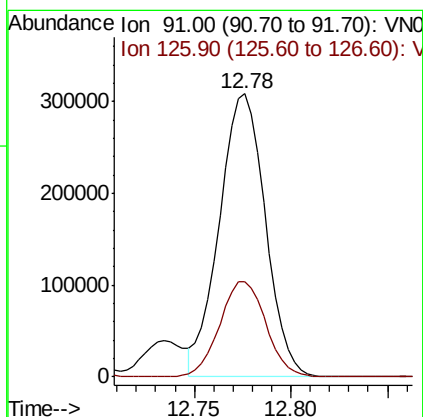
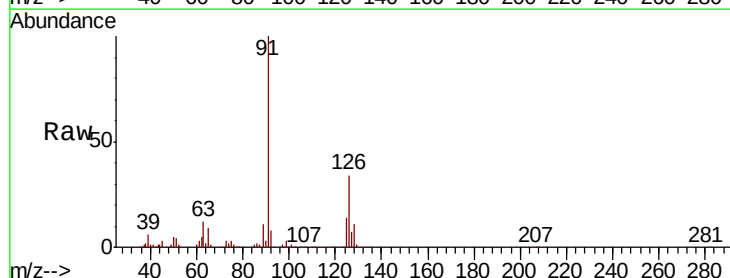
Acq: 4 Aug 2018 00:06

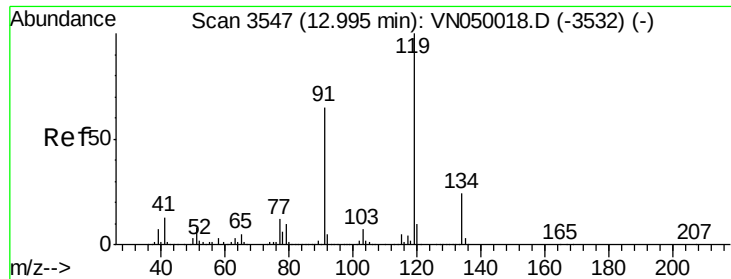
Tgt Ion: 91 Resp: 508355

Ion Ratio Lower Upper

91 100

126 34.0 17.0 51.0





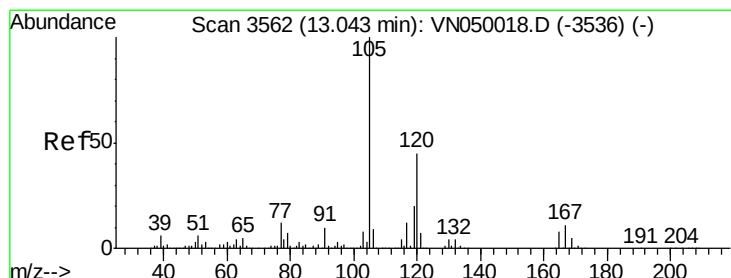
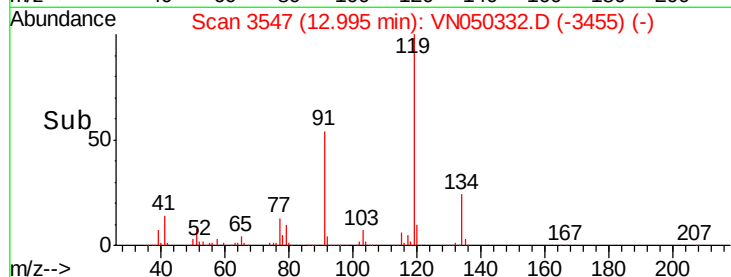
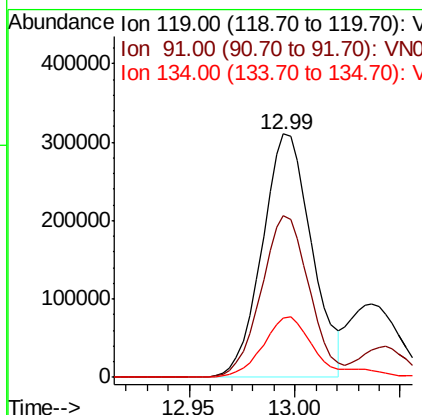
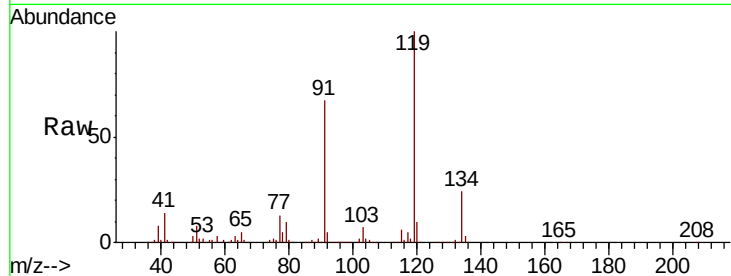
#83  
 tert-Butylbenzene  
 Concen: 22.78 ug/l  
 RT: 12.99 min Scan# 3547  
 Delta R.T. -0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0803WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 64.5  | 32.1  | 96.3  |
| 134     | 26.7  | 13.2  | 39.5  |

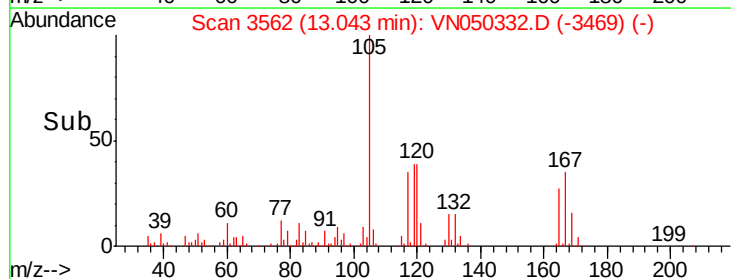
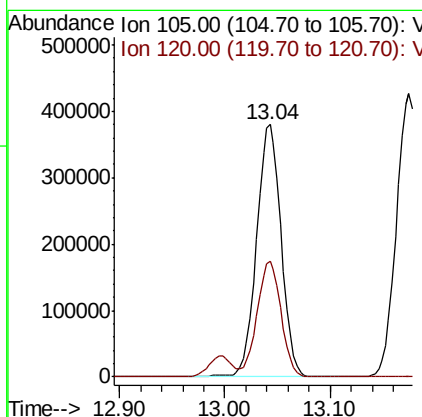
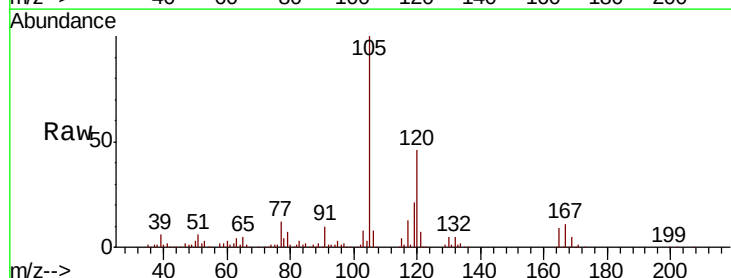
Manual Integrations  
 APPROVED

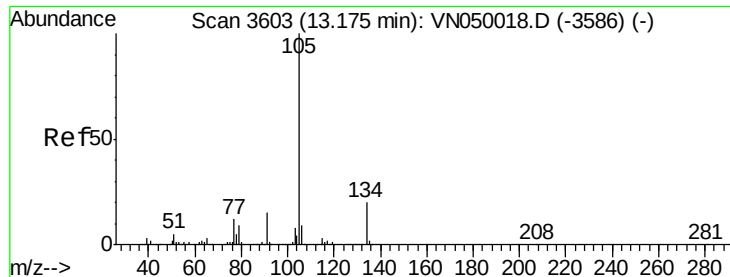
MMDadoda  
 8/6/2018 11:37:08 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 23.92 ug/l  
 RT: 13.04 min Scan# 3562  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.7  | 22.9  | 68.7  |





#85

sec-Butylbenzene

Concen: 22.86 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0803WBSD03

Tot Ion:105 Resp: 681307

Ion Ratio Lower Upper

105 100

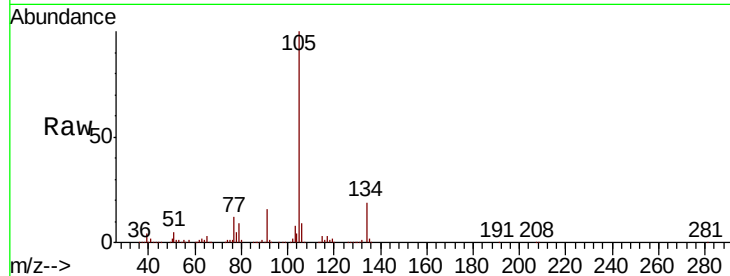
134 19.6 10.1 30.1

Manual Integrations

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MMDadoda

8/6/2018 11:37:08 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

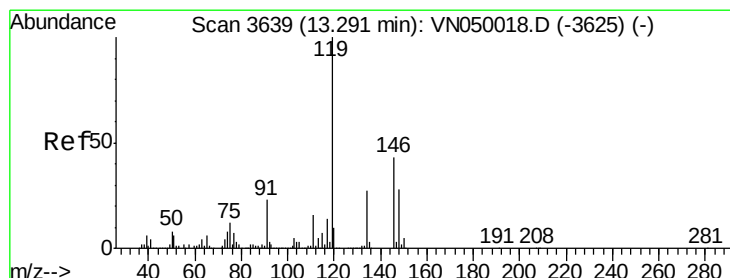
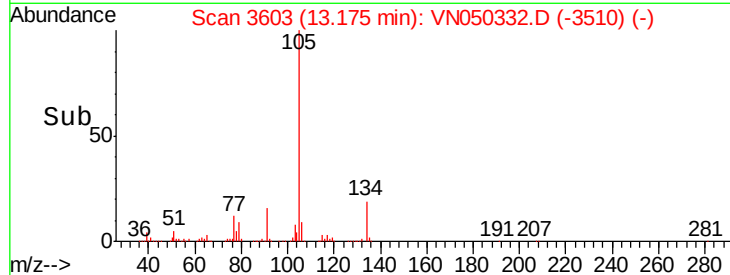
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.23 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

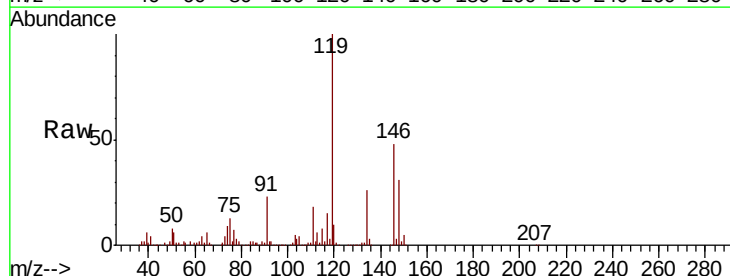
Tgt Ion:119 Resp: 583418

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.9 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

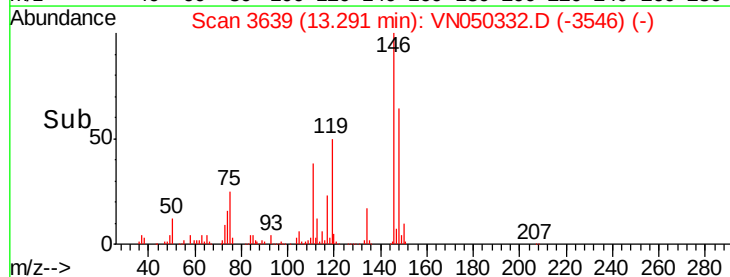
300000

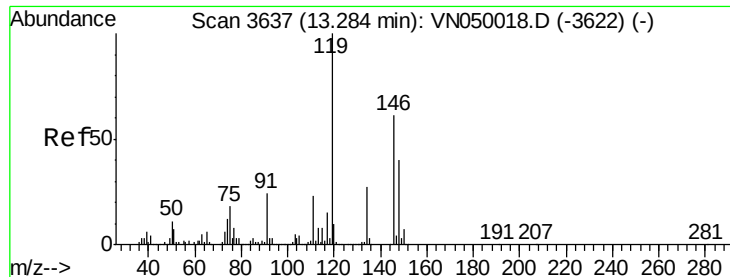
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 22.06 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

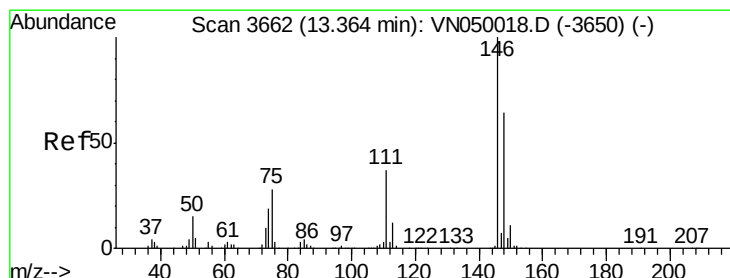
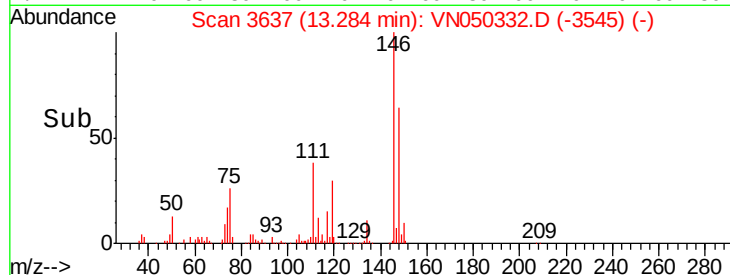
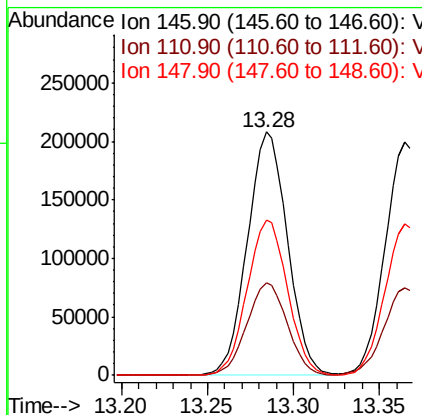
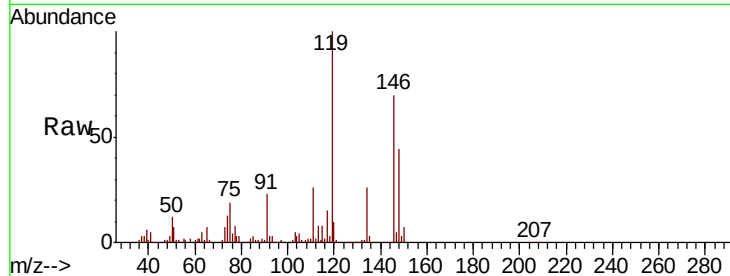
ClientSampleId :

VN0803WBSD03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 336828 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.3  | 18.8  | 56.4   |
| 148       | 64.1  | 31.9  | 95.9   |

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#88

1,4-Dichlorobenzene

Concen: 22.09 ug/l

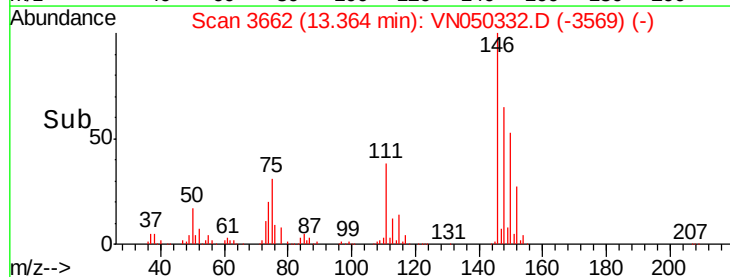
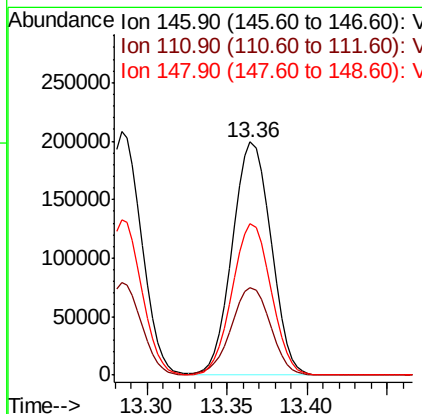
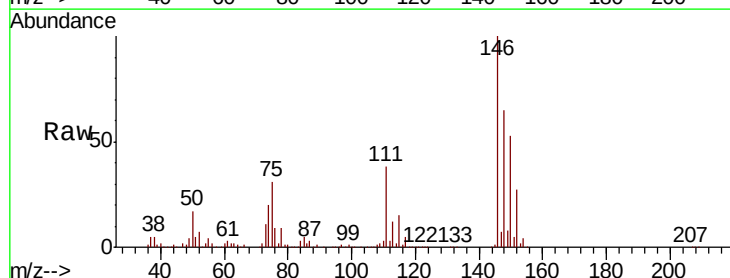
RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

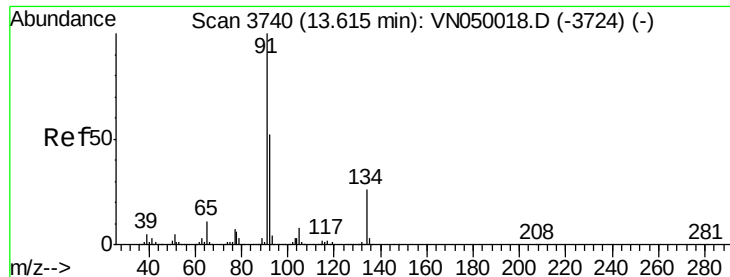
Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 328774 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.4  | 18.3  | 54.9   |
| 148       | 65.2  | 31.9  | 95.9   |







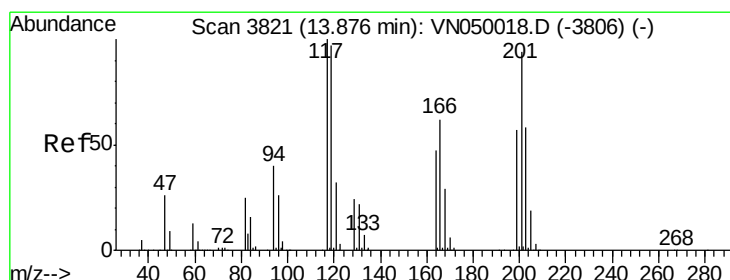
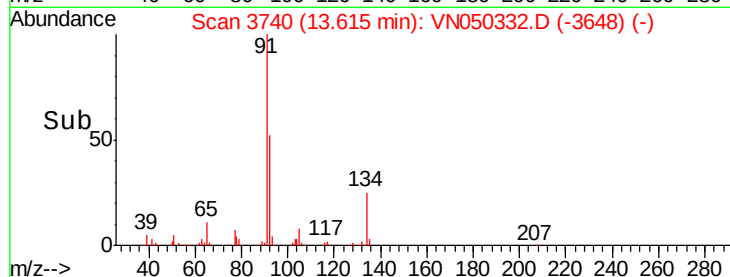
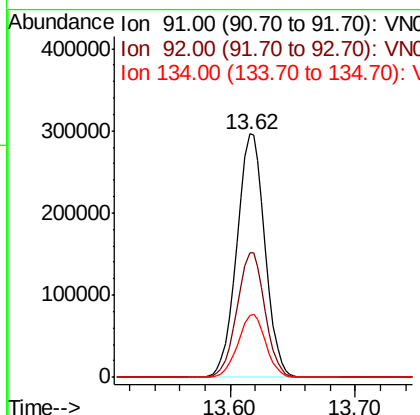
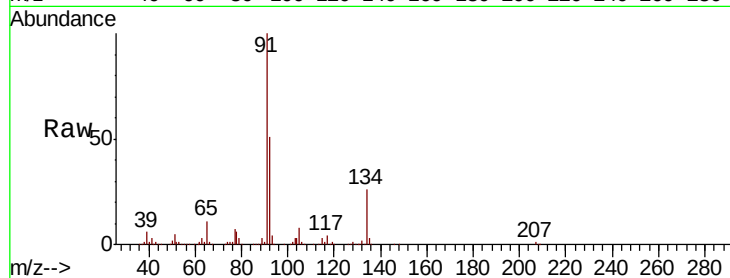
#89  
n-Butylbenzene  
Concen: 22.25 ug/l  
RT: 13.62 min Scan# 3740  
Delta R.T. -0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0803WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.0  | 25.8  | 77.4  |
| 134     | 25.5  | 12.8  | 38.4  |

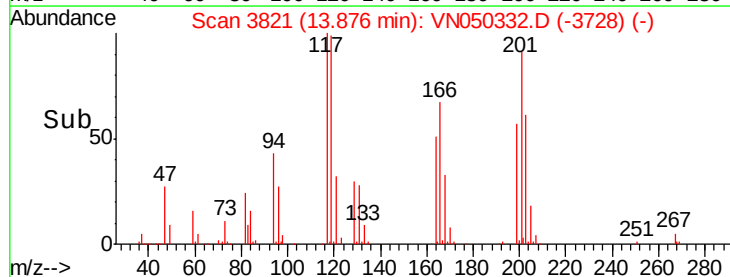
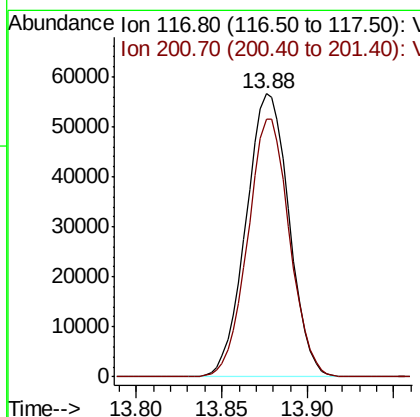
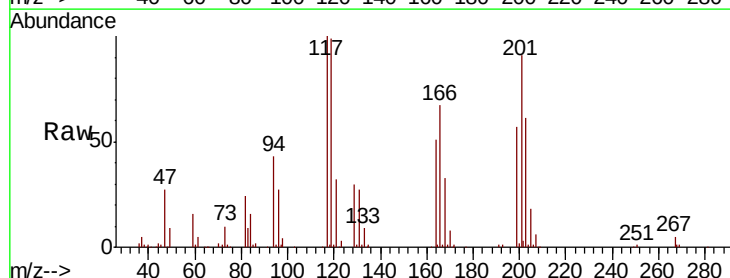
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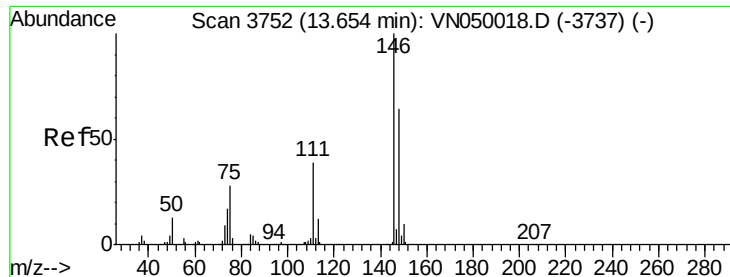
MMDadoda  
8/6/2018 11:37:08 AM



#90  
Hexachloroethane  
Concen: 17.62 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. 0.00 min  
Lab File: VN050332.D  
Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 88.5  | 45.6  | 136.8 |





#91

1,2-Dichlorobenzene

Concen: 22.18 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

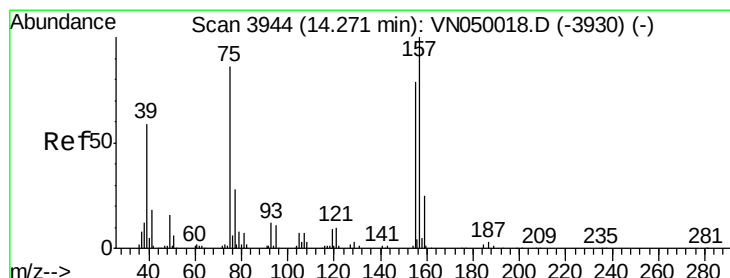
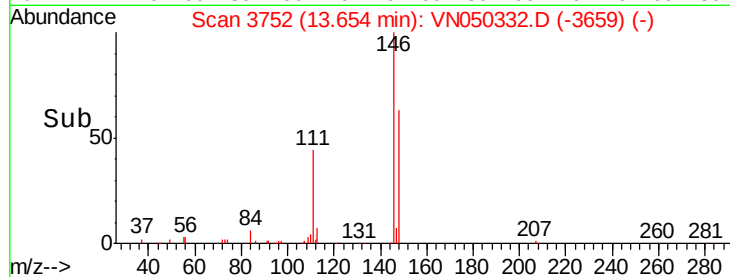
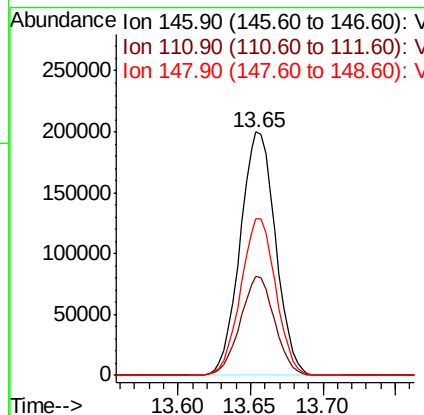
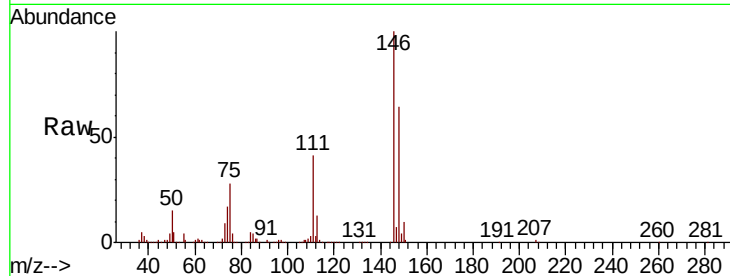
ClientSampleId :

VN0803WBSD03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 338507 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.4  | 19.6  | 58.7   |
| 148       | 63.8  | 32.1  | 96.3   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 23.16 ug/l

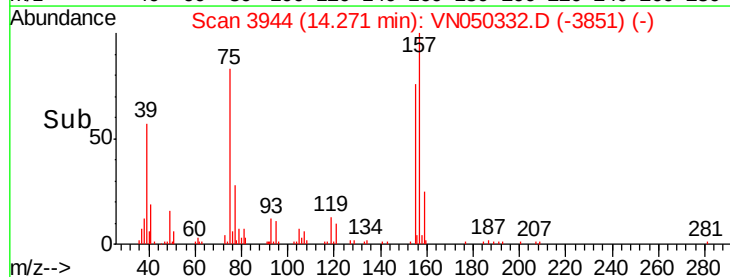
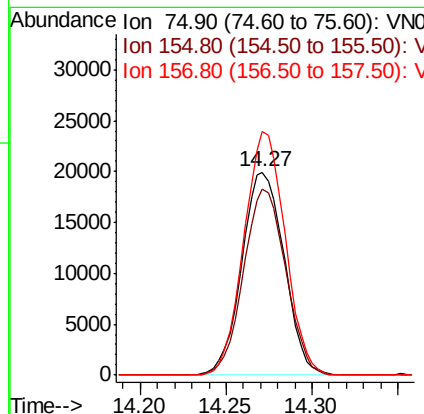
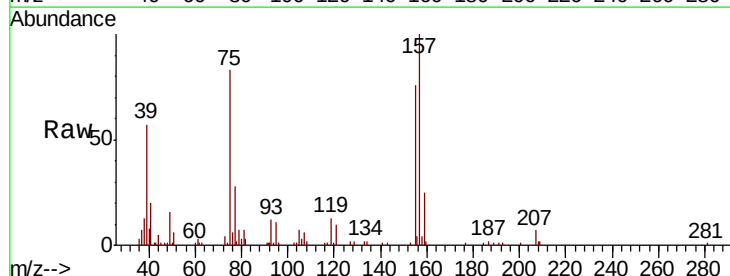
RT: 14.27 min Scan# 3944

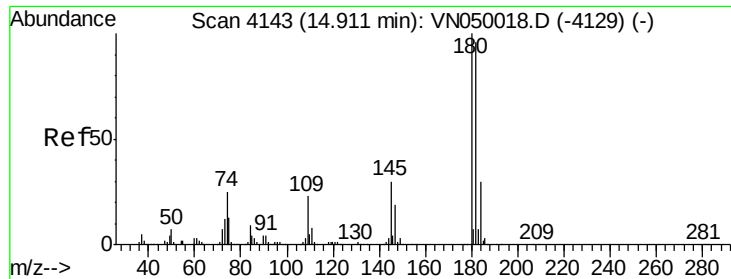
Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 34161 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 91.1  | 44.8  | 134.4 |
| 157       | 116.5 | 57.2  | 171.6 |





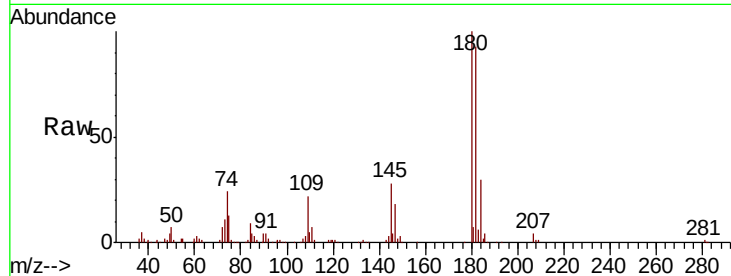
#93  
 1,2,4-Trichlorobenzene  
 Concen: 23.63 ug/l  
 RT: 14.91 min Scan# 4143  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0803WBSD03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 177220 |       |       |
| 182     | 93.7  | 46.7   | 140.1 |       |
| 145     | 28.8  | 13.8   | 41.4  |       |

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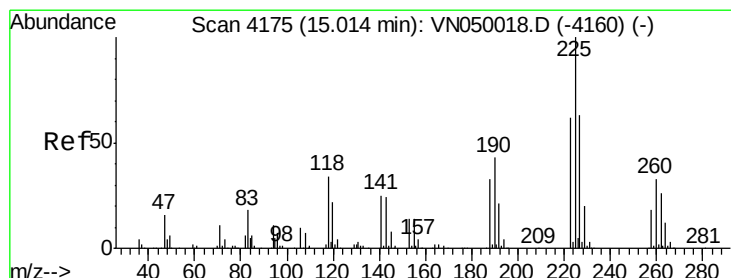
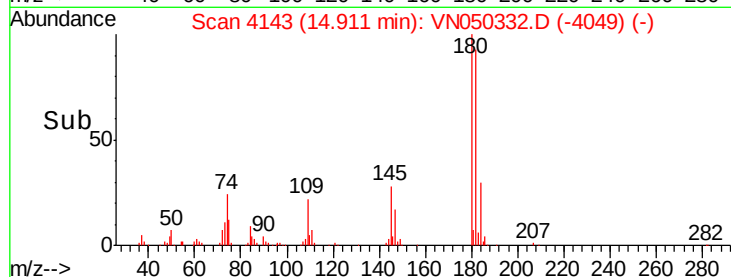
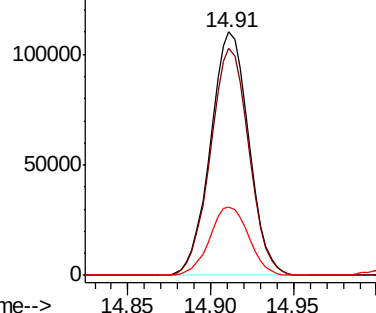


Abundance

Ion 179.80 (179.50 to 180.50): V

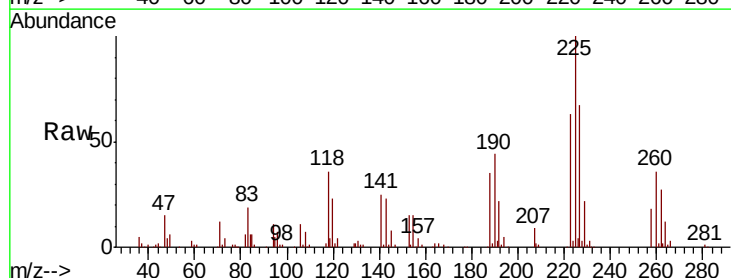
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 20.73 ug/l  
 RT: 15.01 min Scan# 4175  
 Delta R.T. 0.00 min  
 Lab File: VN050332.D  
 Acq: 4 Aug 2018 00:06

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 96867 |       |       |
| 223     | 63.6  | 31.4  | 94.2  |       |
| 227     | 65.5  | 32.1  | 96.5  |       |

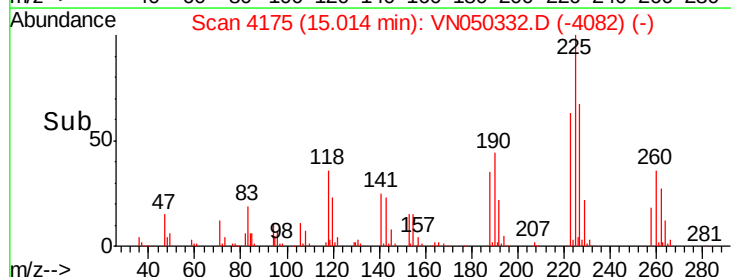
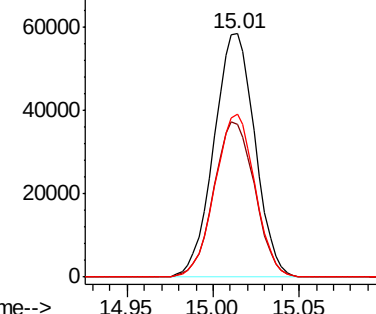


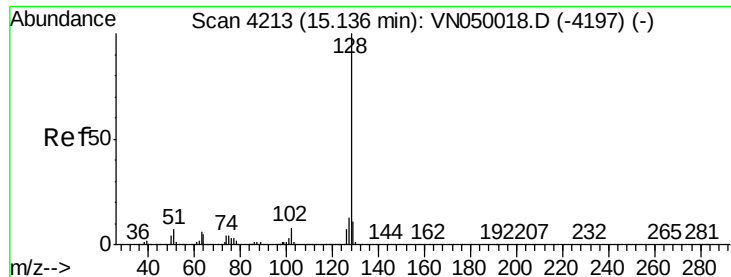
Abundance

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: 24.16 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

Instrument :

MSVOA\_N

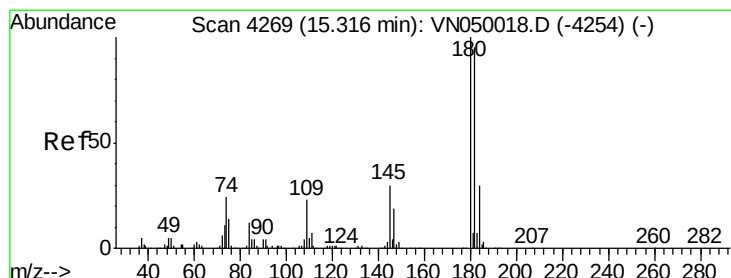
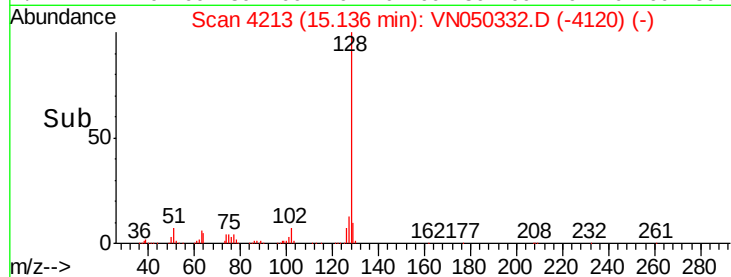
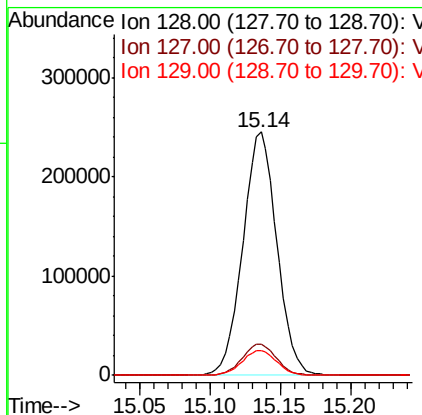
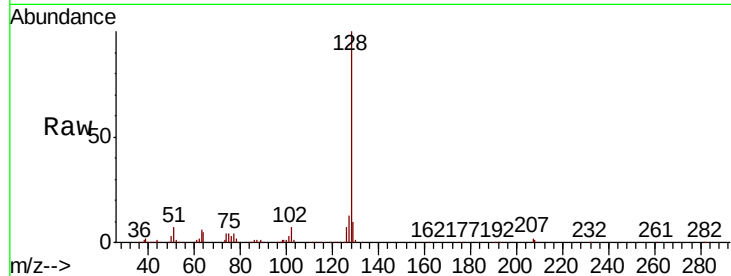
ClientSampleId :

VN0803WBSD03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 414528 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.4  | 15.6   |
| 129       | 10.5  | 8.8   | 13.2   |

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#96

1,2,3-Trichlorobenzene

Concen: 23.87 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050332.D

Acq: 4 Aug 2018 00:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 178708 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.8  | 48.1  | 144.4  |
| 145       | 30.6  | 15.3  | 45.9   |

