

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\  
 Data File : VN060588.D  
 Acq On : 18 Mar 2020 13:47  
 Operator : JC/MD  
 Sample : L1161-08 5.0PPB LOQ  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2020

Manual Integrations  
 APPROVED

MMDadoda  
 3/19/2020 1:03:43 PM

Quant Time: Mar 19 09:36:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 19 09:13:57 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 203374   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 338422   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 305272   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 136226   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 137741   | 49.34 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.68% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 101375   | 49.54 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.08% |      |
| 50) Toluene-d8            | 10.08  | 98  | 410086   | 49.06 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.12% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 143649   | 46.89 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.78% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 8719   | 4.431  | ug/l   | 94     |
| 3) Chloromethane              | 2.03 | 50  | 17743  | 4.828  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.16 | 62  | 13979  | 4.863  | ug/l   | 96     |
| 5) Bromomethane               | 2.54 | 94  | 6200   | 4.996  | ug/l   | 98     |
| 6) Chloroethane               | 2.68 | 64  | 8036   | 4.853  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 18392  | 5.194  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.38 | 74  | 7329   | 5.152  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 10707  | 5.218  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.93 | 142 | 9925   | 5.436  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 4.73 | 59  | 11001  | 26.793 | ug/l   | 95     |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 11713  | 5.319  | ug/l   | 92     |
| 13) Acrolein                  | 3.58 | 56  | 10560  | 23.206 | ug/l   | 98     |
| 14) Allyl chloride            | 4.29 | 41  | 20521  | 5.299  | ug/l   | 96     |
| 15) Acrylonitrile             | 4.94 | 53  | 30076  | 24.910 | ug/l   | 97     |
| 16) Acetone                   | 3.78 | 43  | 24807  | 25.085 | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.03 | 76  | 34282  | 5.119  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.29 | 43  | 13807  | 4.960  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 37705  | 4.981  | ug/l   | 95     |
| 20) Methylene Chloride        | 4.52 | 84  | 13090  | 5.381  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene  | 5.00 | 96  | 12143  | 5.174  | ug/l   | 96     |
| 22) Diisopropyl ether         | 5.91 | 45  | 42151  | 5.152  | ug/l # | 88     |
| 23) Vinyl Acetate             | 5.86 | 43  | 168809 | 25.287 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 22997  | 5.156  | ug/l   | 98     |
| 25) 2-Butanone                | 6.80 | 43  | 40964  | 25.598 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 19293  | 5.498  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 14209  | 5.328  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.17 | 49  | 10678  | 5.004  | ug/l # | 100    |
| 29) Tetrahydrofuran           | 7.18 | 42  | 29387  | 25.954 | ug/l   | 99     |
| 30) Chloroform                | 7.34 | 83  | 21645  | 5.062  | ug/l   | 96     |
| 31) Cyclohexane               | 7.63 | 56  | 25642  | 5.703  | ug/l # | 78     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 18948  | 5.140  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 16922  | 5.164  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.90 | 43  | 18702  | 5.282  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 15165  | 5.163  | ug/l   | 98     |

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 Sample : L1161-08 5.0PPB LOQ  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
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 LOQ-WATER-02-QT1-2020

Manual Integrations  
 APPROVED

MMDadoda  
 3/19/2020 1:03:43 PM

Quant Time: Mar 19 09:36:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 19 09:13:57 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 20343    | 5.224   | ug/l   | 97       |
| 40) Benzene                    | 8.02  | 78   | 51461    | 5.202   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.14  | 41   | 7412m    | 4.905   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 17800    | 5.265   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 29829    | 5.108   | ug/l   | 93       |
| 44) Trichloroethene            | 8.82  | 130  | 13251    | 5.314   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 13754    | 5.269   | ug/l   | 100      |
| 46) Dibromomethane             | 9.19  | 93   | 8276     | 5.244   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.39  | 83   | 16682    | 5.087   | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.18  | 41   | 12418    | 4.776   | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 3700     | 119.729 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 86555    | 26.048  | ug/l   | 99       |
| 52) Toluene                    | 10.14 | 92   | 31921    | 5.343   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 19321    | 5.129   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 20842    | 5.044   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 12128    | 5.277   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 17281    | 4.822   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 21080    | 5.285   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 43331    | 24.327  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.74 | 43   | 59536    | 24.872  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.89 | 129  | 12181    | 5.131   | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 11786    | 5.100   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.62 | 164  | 13428    | 5.590   | ug/l   | 93       |
| 65) Chlorobenzene              | 11.43 | 112  | 31506    | 5.206   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 11856    | 5.411   | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.50 | 91   | 58725    | 5.218   | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.62 | 106  | 43572    | 10.419  | ug/l   | 98       |
| 69) o-Xylene                   | 11.94 | 106  | 20963    | 5.251   | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 31157    | 4.772   | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 7813     | 4.778   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.24 | 105  | 55335    | 5.413   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.06 | 43   | 23949    | 5.070   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 16667    | 5.391   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 15738m   | 5.354   | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 13137    | 5.333   | ug/l   | 100      |
| 78) n-propylbenzene            | 12.59 | 91   | 63670    | 5.272   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 39258    | 5.440   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 46087    | 5.312   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 5546     | 4.846   | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 39022    | 5.309   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 38754    | 5.389   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.03 | 105  | 44815    | 5.221   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 51282    | 5.303   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 44434    | 5.109   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 23523    | 5.414   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 22279    | 5.104   | ug/l   | 93       |
| 89) n-Butylbenzene             | 13.61 | 91   | 39165    | 4.988   | ug/l   | 98       |
| 90) Hexachloroethane           | 13.87 | 117  | 6441     | 5.095   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 22754    | 5.477   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 3322     | 4.786   | ug/l   | 95       |

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Acq On : 18 Mar 2020 13:47  
Operator : JC/MD  
Sample : L1161-08 5.0PPB L00  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

Manual Integrations  
APPROVED

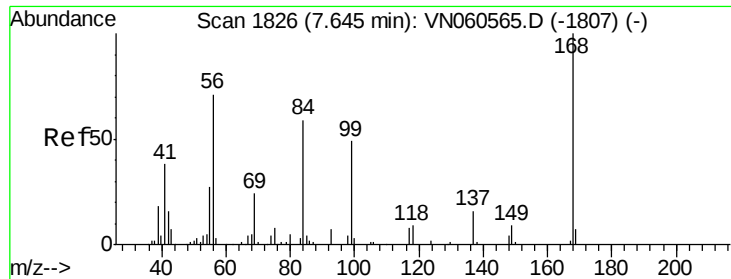
MMDadoda  
3/19/2020 1:03:43 PM

Quant Time: Mar 19 09:36:50 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 19 09:13:57 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 12223    | 4.791 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 6715     | 5.369 | ug/l  | 100      |
| 95) Naphthalene            | 15.13 | 128  | 33254    | 4.334 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 11952    | 4.756 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:168 Resp: 203374

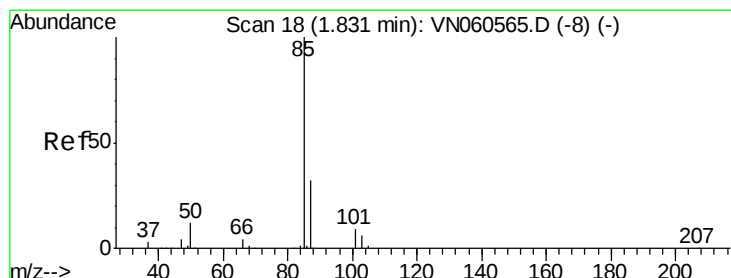
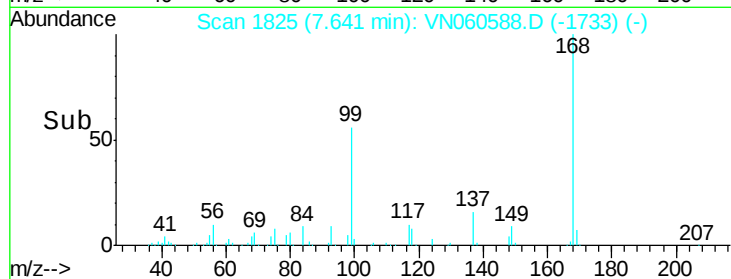
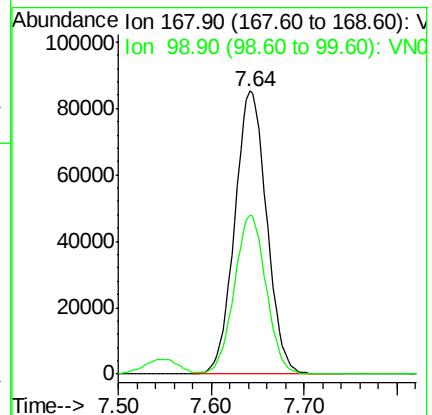
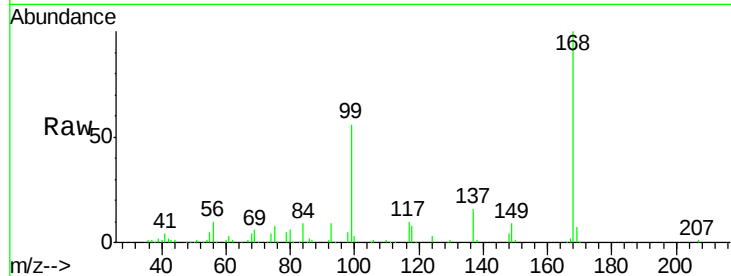
Ion Ratio Lower Upper

168 100

99 56.2 44.0 66.0

Manual Integrations  
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3/19/2020 1:03:43 PM



#2

Dichlorodifluoromethane

Concen: 4.431 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060588.D

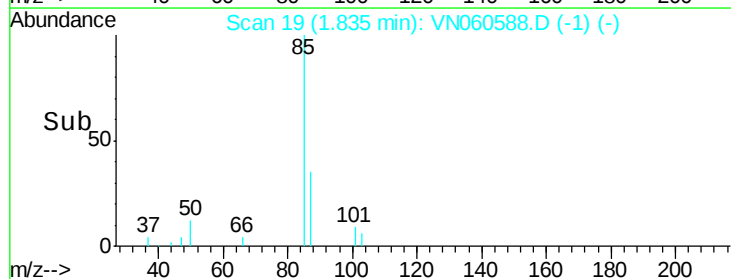
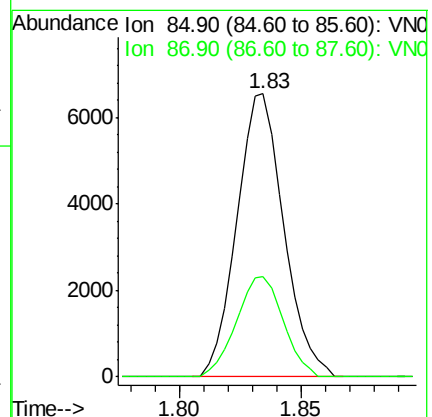
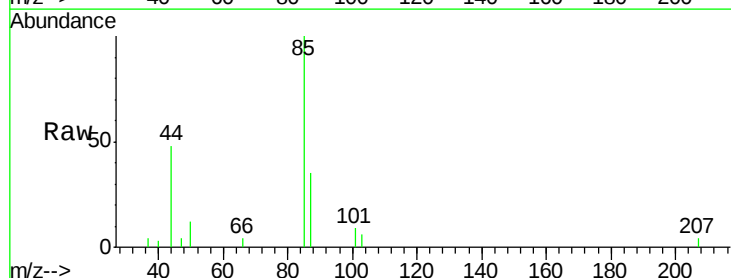
Acq: 18 Mar 2020 13:47

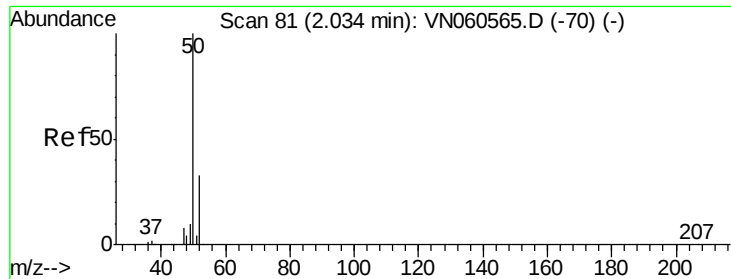
Tgt Ion: 85 Resp: 8719

Ion Ratio Lower Upper

85 100

87 35.5 16.2 48.5





#3

Chloromethane

Concen: 4.828 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 50 Resp: 17743

Ion Ratio Lower Upper

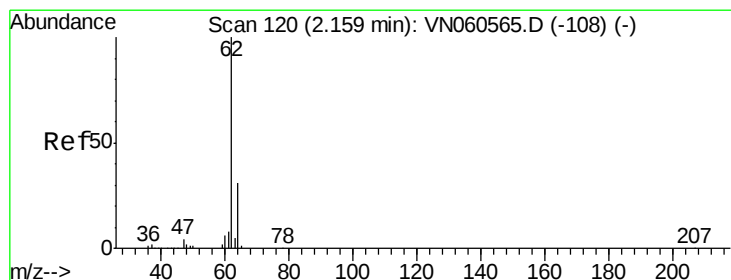
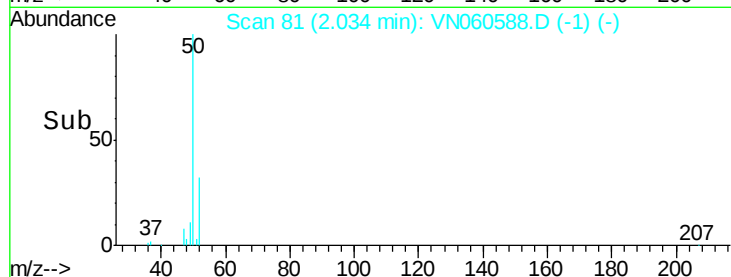
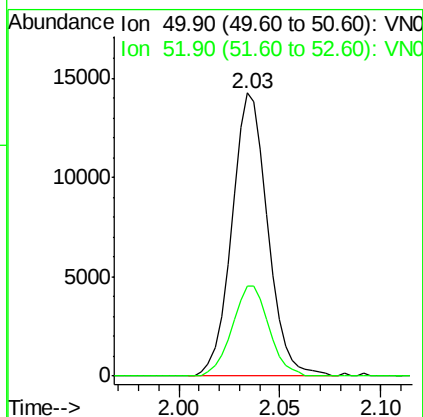
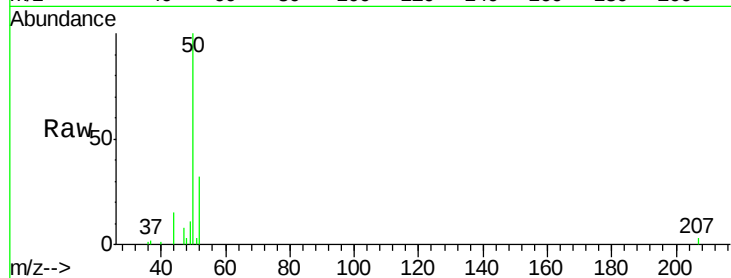
50 100

52 31.9 26.2 39.2

Manual Integrations  
APPROVED

MMDadoda

3/19/2020 1:03:43 PM



#4

Vinyl Chloride

Concen: 4.863 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060588.D

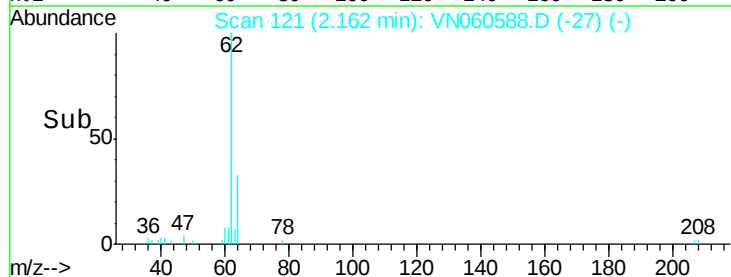
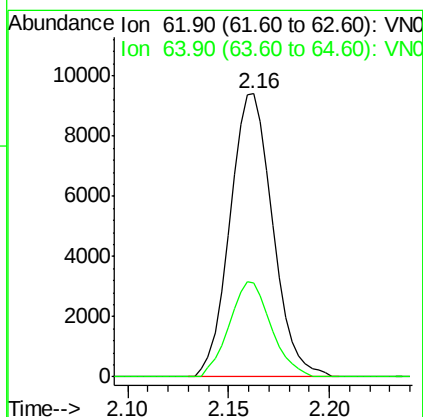
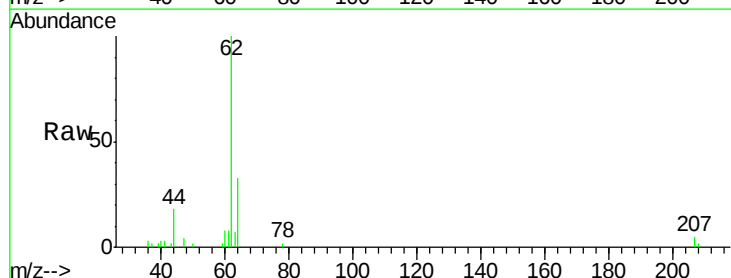
Acq: 18 Mar 2020 13:47

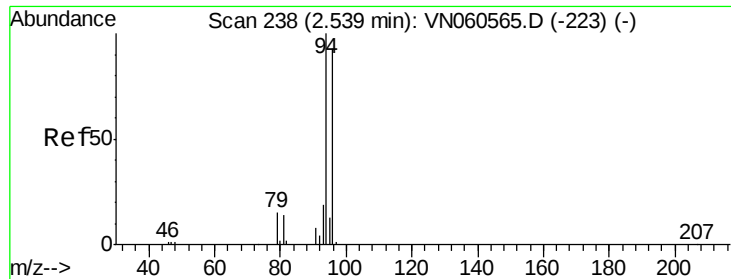
Tgt Ion: 62 Resp: 13979

Ion Ratio Lower Upper

62 100

64 33.1 24.7 37.1





#5

Bromomethane

Concen: 4.996 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

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ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 94 Resp: 6200

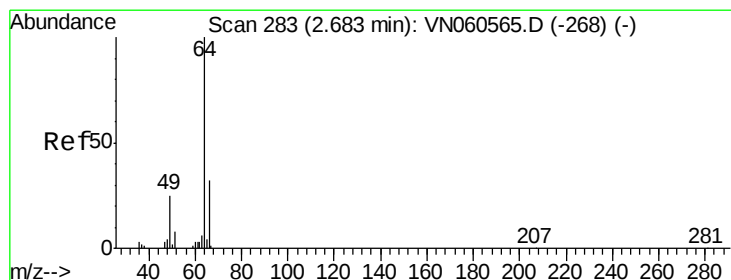
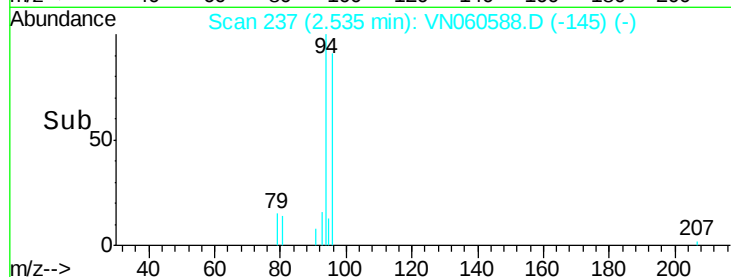
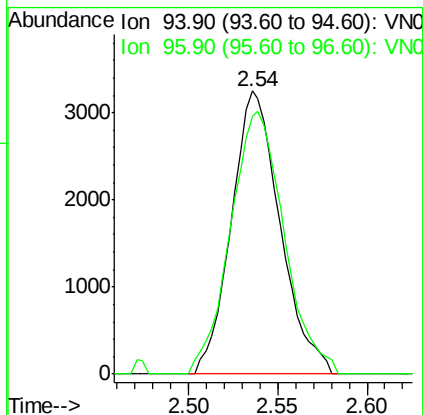
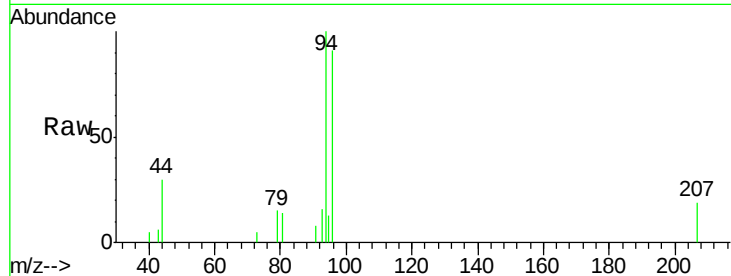
Ion Ratio Lower Upper

94 100

96 91.3 74.6 112.0

Manual Integrations  
APPROVED

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3/19/2020 1:03:43 PM



#6

Chloroethane

Concen: 4.853 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060588.D

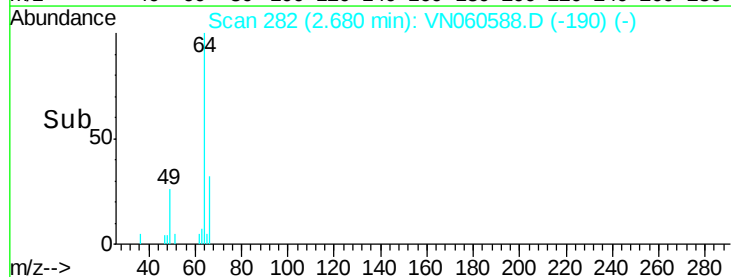
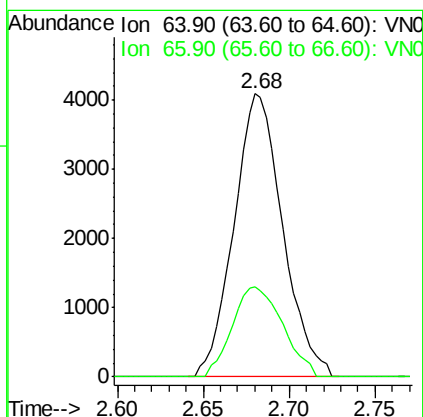
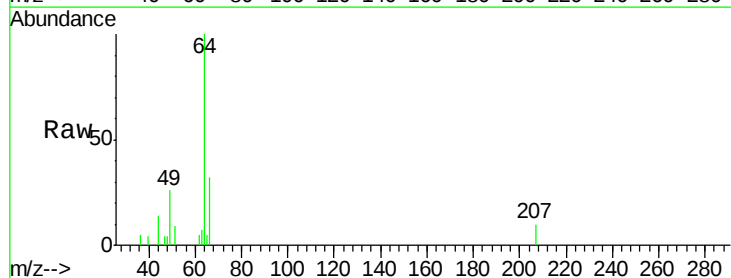
Acq: 18 Mar 2020 13:47

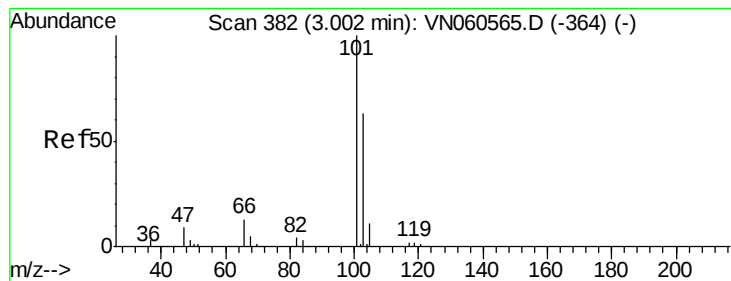
Tgt Ion: 64 Resp: 8036

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9





#7

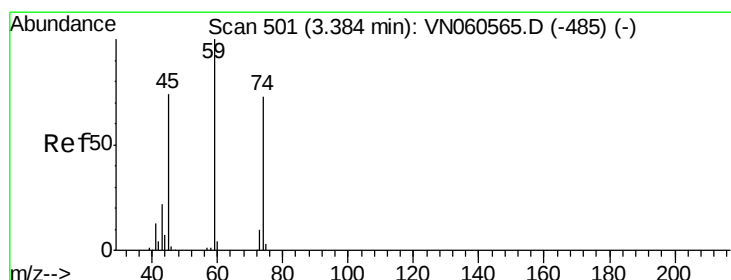
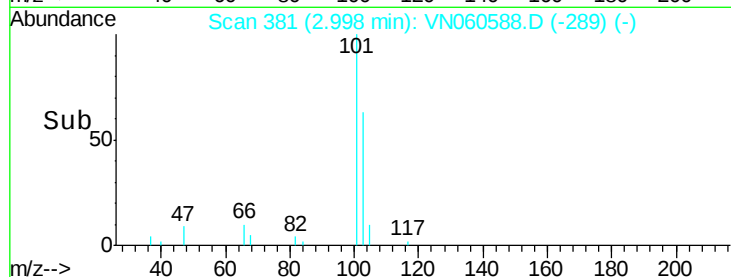
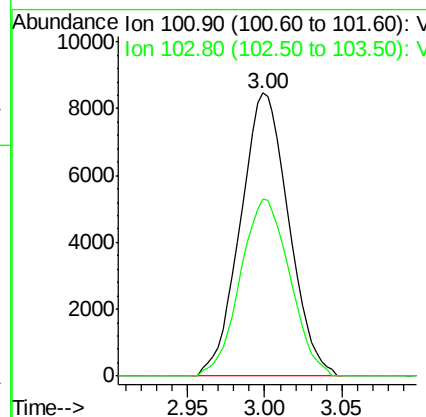
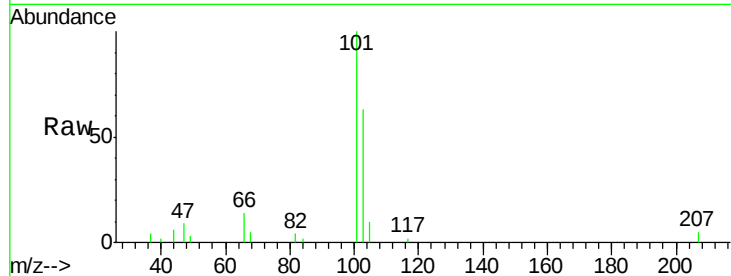
Trichlorofluoromethane  
 Concen: 5.194 ug/l  
 RT: 3.00 min Scan# 381  
 Delta R.T. -0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 62.6  | 50.6  | 76.0  |

Manual Integrations  
 APPROVED

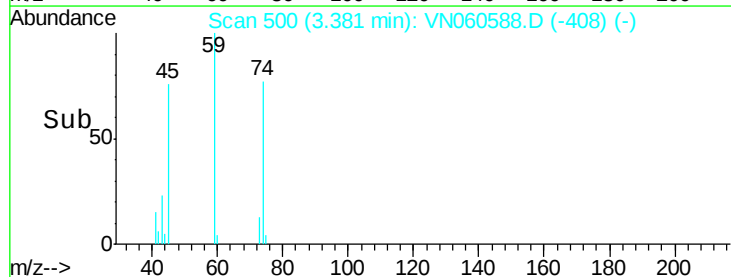
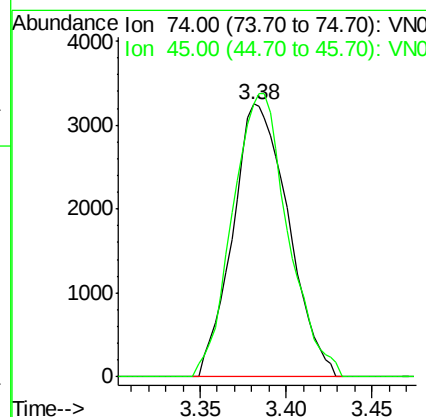
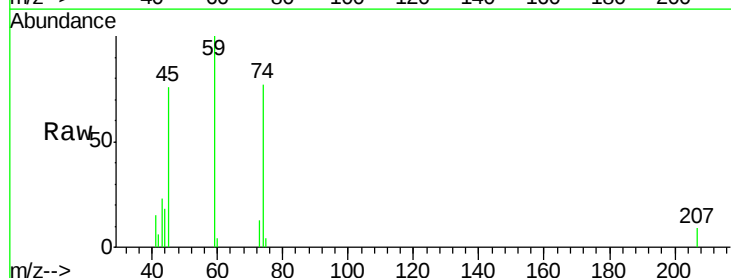
MMDadoda  
 3/19/2020 1:03:43 PM



#8

Diethyl Ether  
 Concen: 5.152 ug/l  
 RT: 3.38 min Scan# 500  
 Delta R.T. -0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 103.5 | 51.3  | 153.9 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.218 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

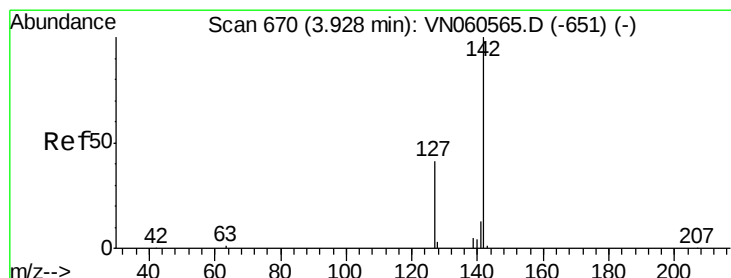
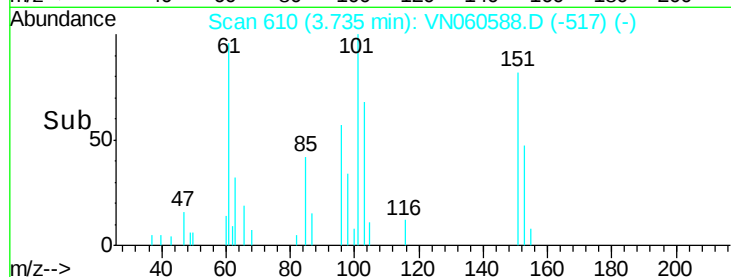
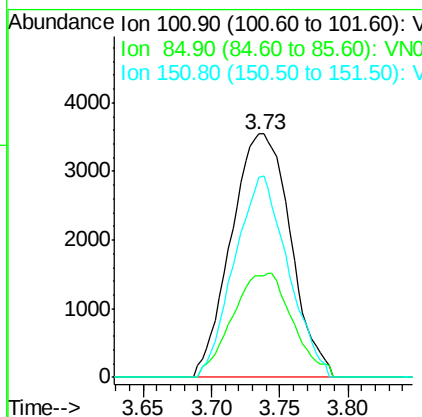
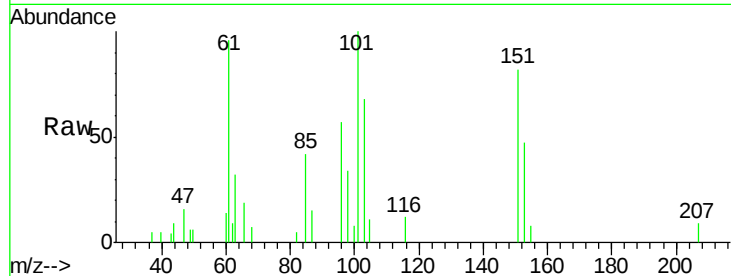
ClientSampleId :

LOQ-WATER-02-QT1-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 10707 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.2  | 35.6  | 53.4  |
| 151       | 74.7  | 61.4  | 92.2  |

Manual Integrations  
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3/19/2020 1:03:43 PM



#10

Methyl Iodide

Concen: 5.436 ug/l

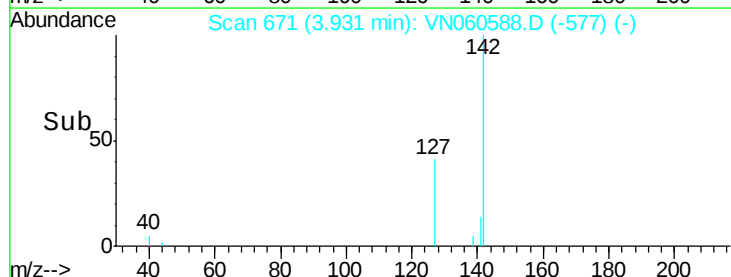
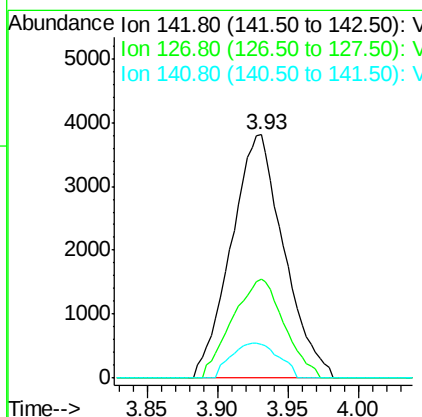
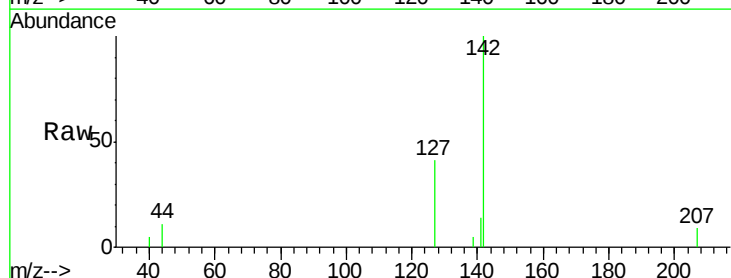
RT: 3.93 min Scan# 671

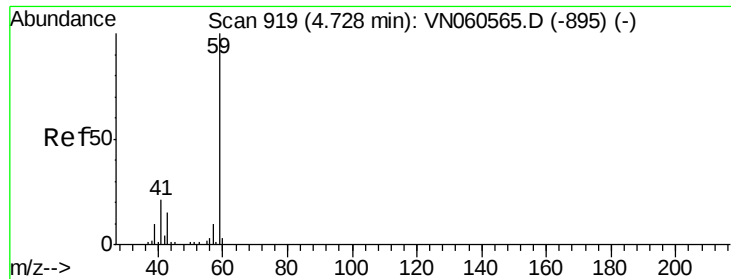
Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 142   | Resp: | 9925 |
| Ion Ratio | Lower | Upper |      |
| 142       | 100   |       |      |
| 127       | 40.0  | 33.5  | 50.3 |
| 141       | 12.9  | 11.0  | 16.6 |





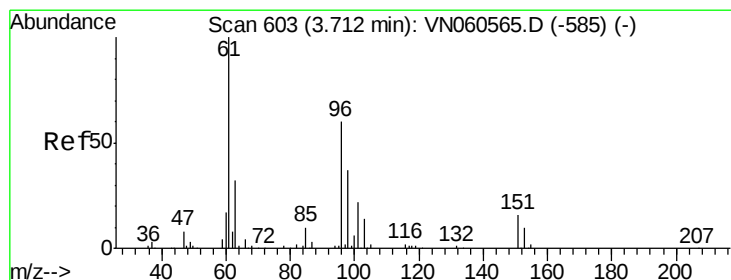
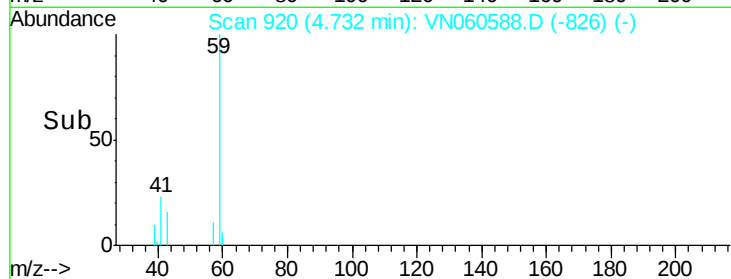
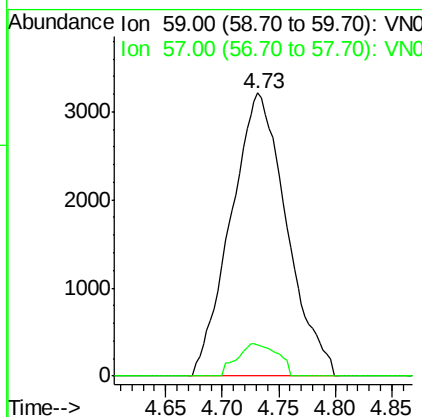
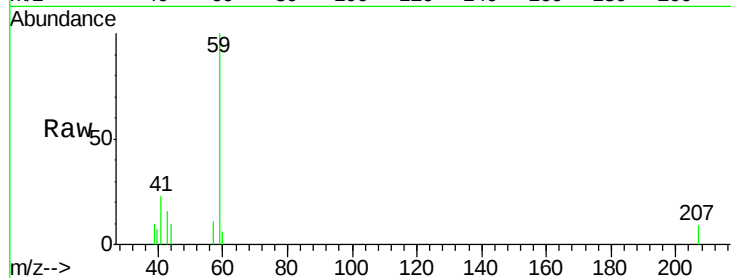
#11  
Tert butyl alcohol  
Concen: 26.793 ug/l  
RT: 4.73 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 59      | 100   | 11001 |       |       |
| 57      | 8.3   |       | 8.2   | 12.4  |

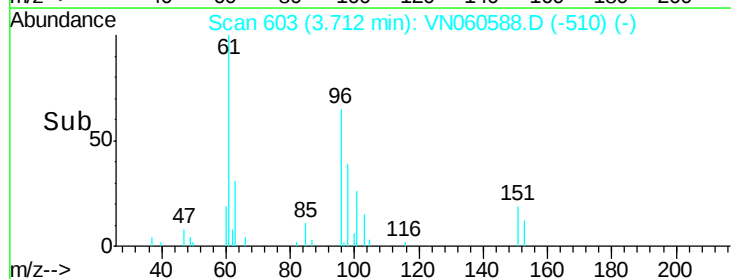
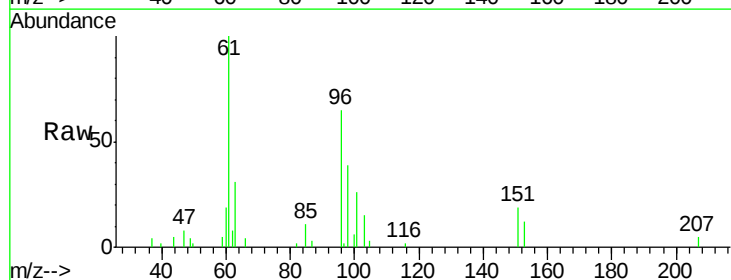
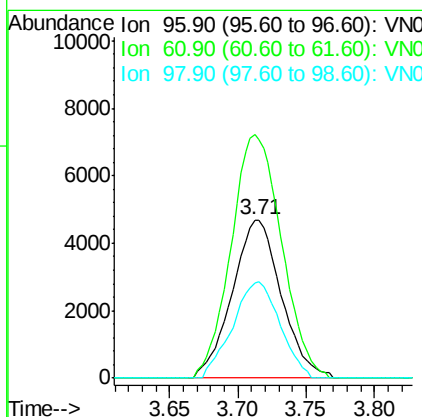
Manual Integrations  
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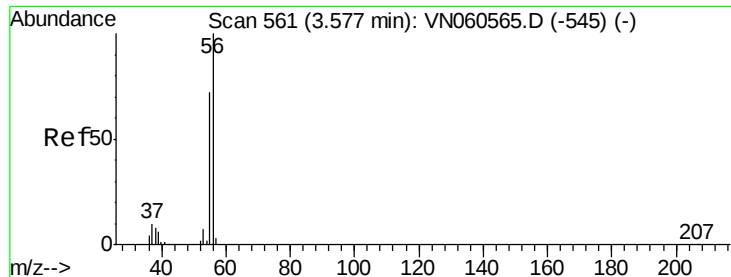
MMDadoda  
3/19/2020 1:03:43 PM



#12  
1,1-Dichloroethene  
Concen: 5.319 ug/l  
RT: 3.71 min Scan# 603  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 11713 |       |       |
| 61      | 153.9 |       | 134.1 | 201.1 |
| 98      | 60.3  |       | 49.9  | 74.9  |





#13

Acrolein

Concen: 23.206 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 56 Resp: 10560

Ion Ratio Lower Upper

56 100

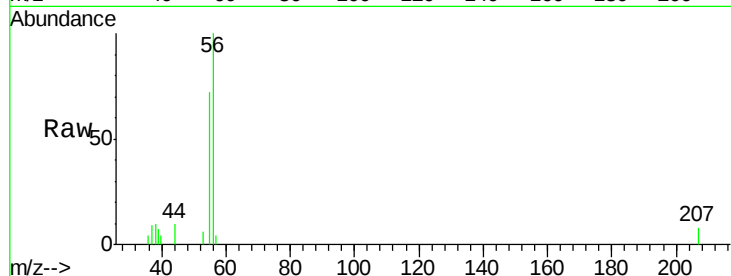
55 72.7 56.7 85.1

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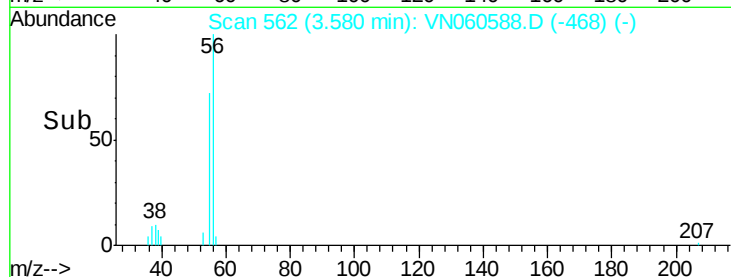


Abundance Ion 56.00 (55.70 to 56.70): VN060565.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060565.D (-545) (-)

3.58

Time-->



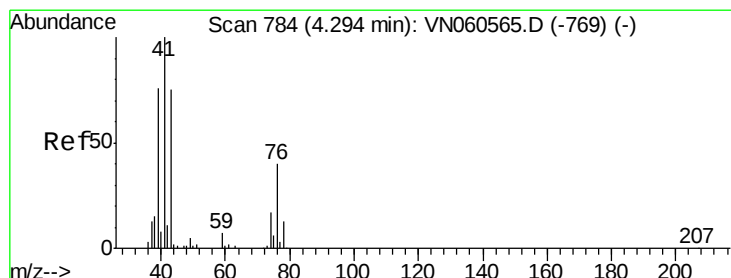
Abundance Ion 41.00 (40.70 to 41.70): VN060588.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060588.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060588.D (-691) (-)

4.29

Time-->



#14

Allyl chloride

Concen: 5.299 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

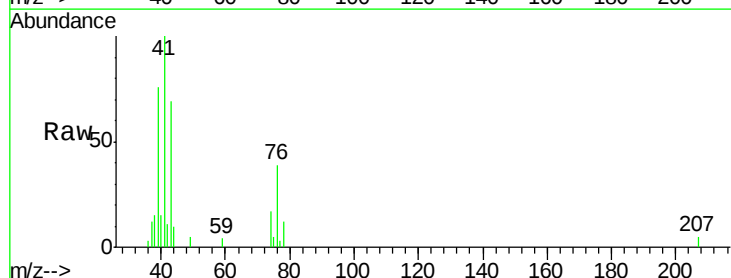
Tgt Ion: 41 Resp: 20521

Ion Ratio Lower Upper

41 100

39 69.2 57.8 86.8

76 32.3 28.6 43.0



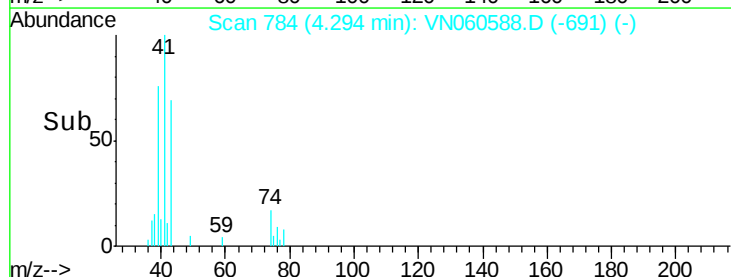
Abundance Ion 41.00 (40.70 to 41.70): VN060588.D (-691) (-)

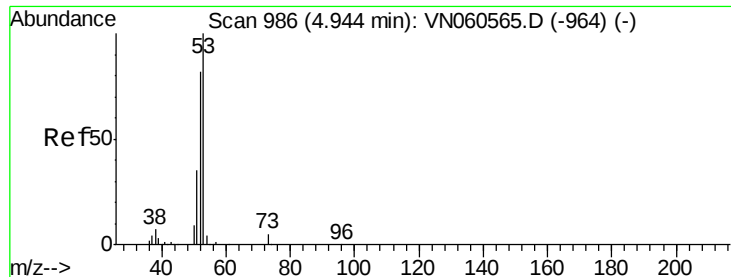
Ion 39.00 (38.70 to 39.70): VN060588.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060588.D (-691) (-)

4.29

Time-->





#15

Acrylonitrile

Concen: 24.910 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

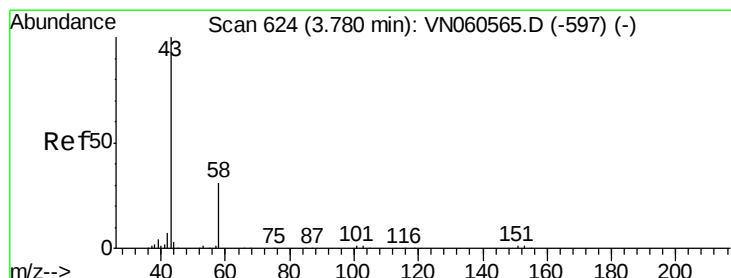
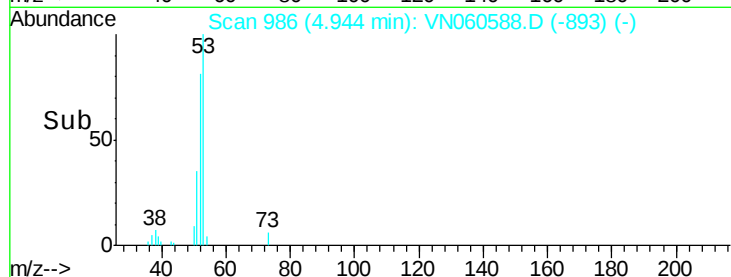
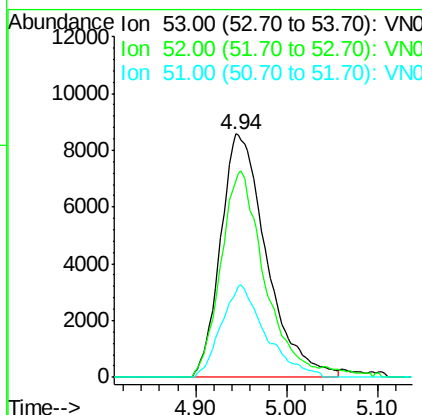
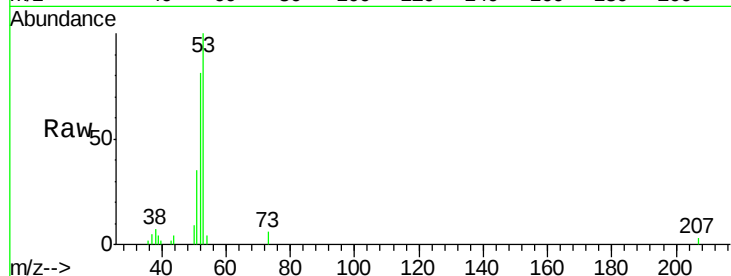
ClientSampleId :

LOQ-WATER-02-QT1-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 30076 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 79.9  | 66.2  | 99.4  |
| 51        | 36.5  | 28.7  | 43.1  |

Manual Integrations  
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#16

Acetone

Concen: 25.085 ug/l

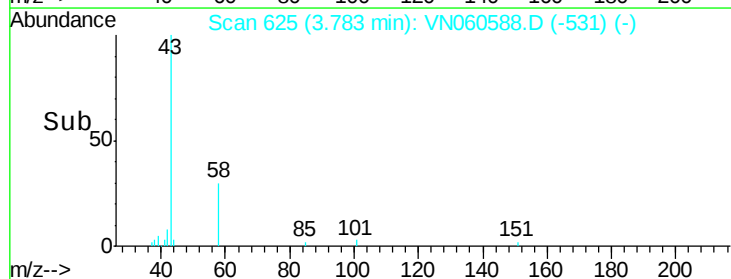
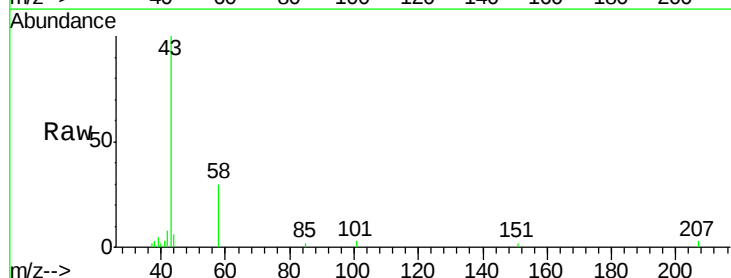
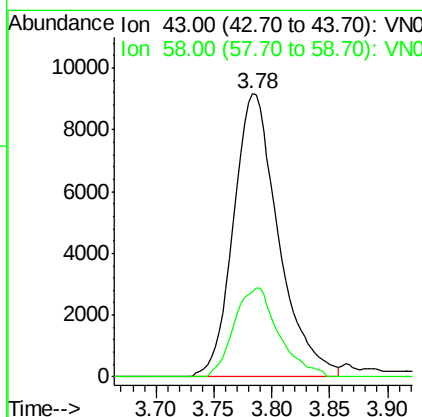
RT: 3.78 min Scan# 625

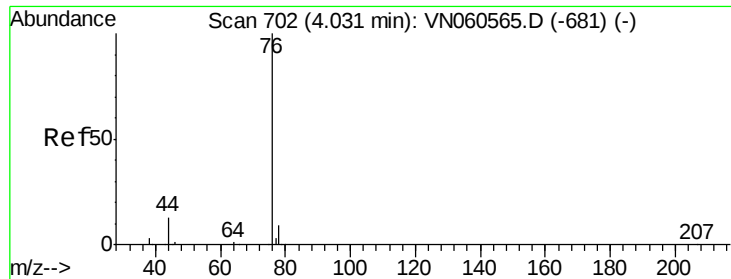
Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 24807 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 30.1  | 25.1  | 37.7  |





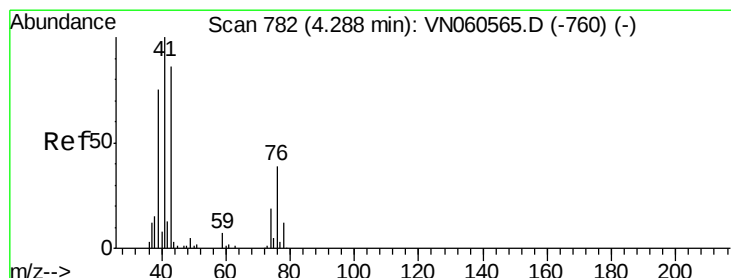
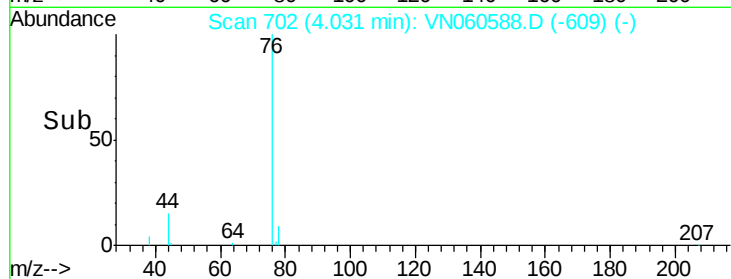
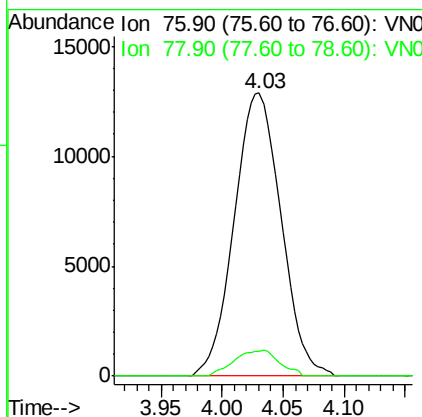
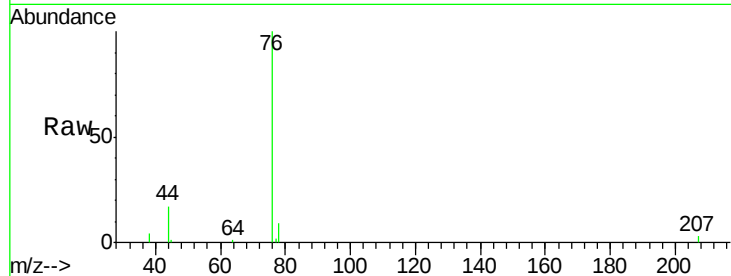
#17  
Carbon Disulfide  
Concen: 5.119 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

Tot Ion: 76 Resp: 34282  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.2 10.8

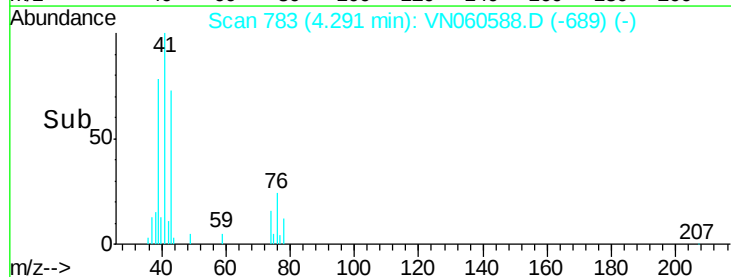
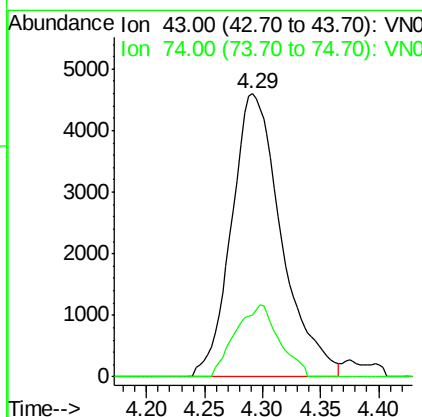
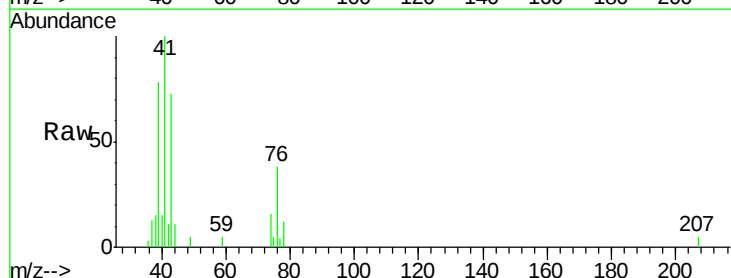
Manual Integrations  
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3/19/2020 1:03:43 PM



#18  
Methyl Acetate  
Concen: 4.960 ug/l  
RT: 4.29 min Scan# 783  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Tgt Ion: 43 Resp: 13807  
Ion Ratio Lower Upper  
43 100  
74 22.4 17.5 26.3





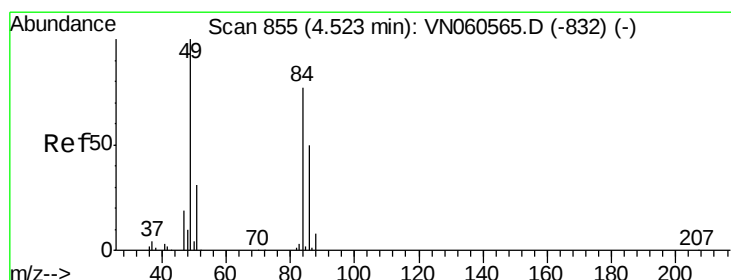
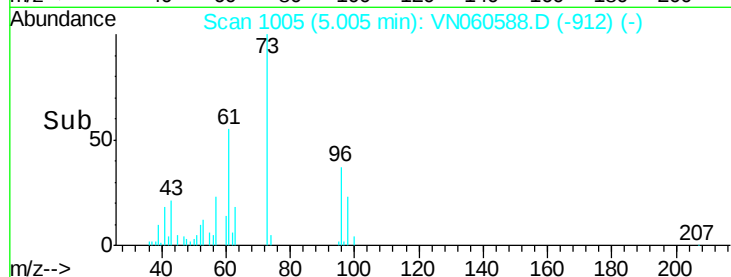
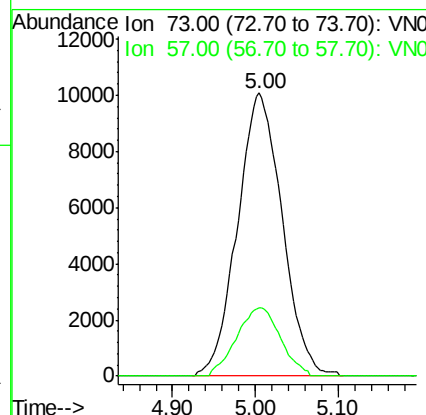
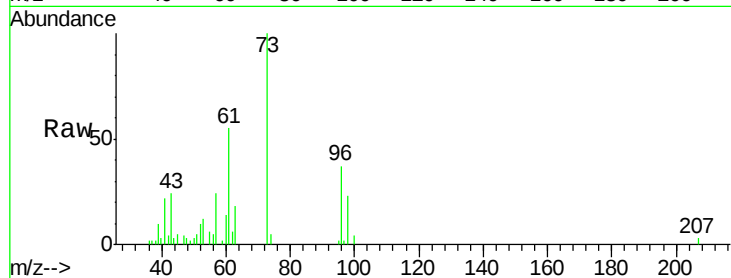
#19  
Methvl tert-butvl Ether  
Concen: 4.981 ug/l  
RT: 5.00 min Scan# 1005  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

Tot Ion: 73 Resp: 37705  
Ion Ratio Lower Upper  
73 100  
57 24.1 17.5 26.3

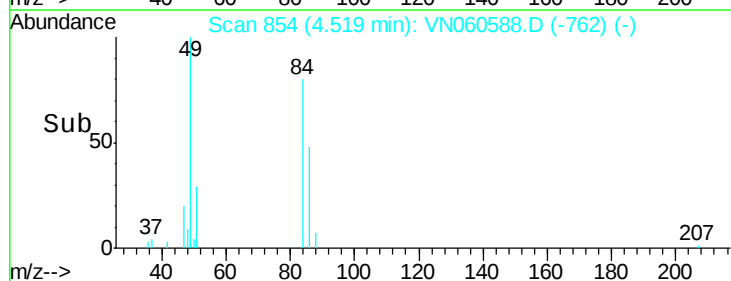
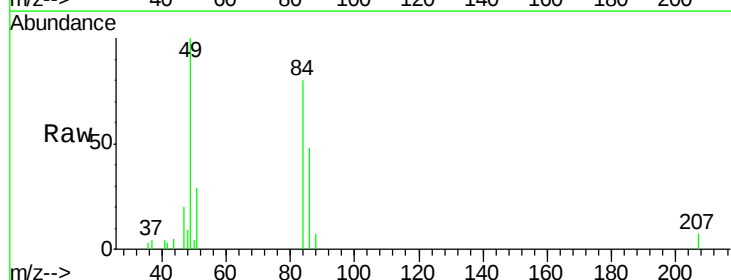
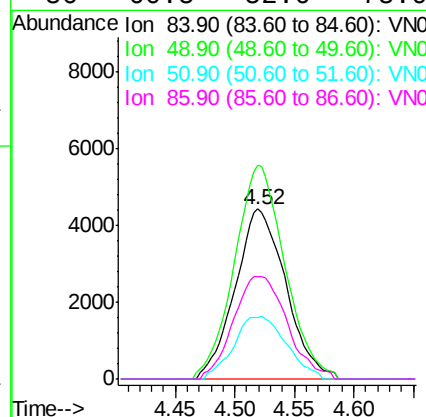
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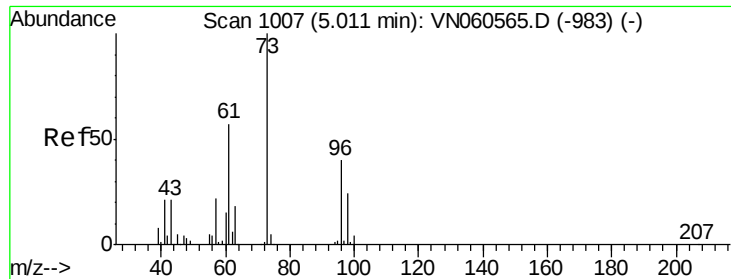
MMDadoda  
3/19/2020 1:03:43 PM



#20  
Methylene Chloride  
Concen: 5.381 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Tgt Ion: 84 Resp: 13090  
Ion Ratio Lower Upper  
84 100  
49 125.7 103.3 154.9  
51 35.9 31.6 47.4  
86 60.5 52.0 78.0





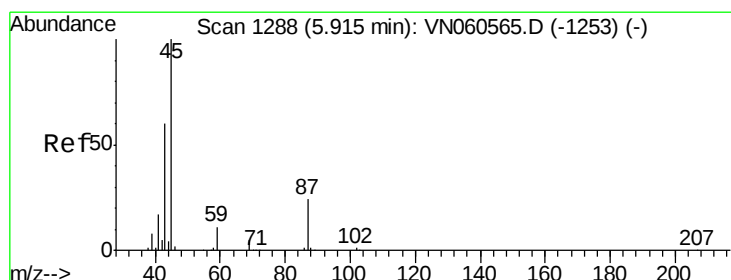
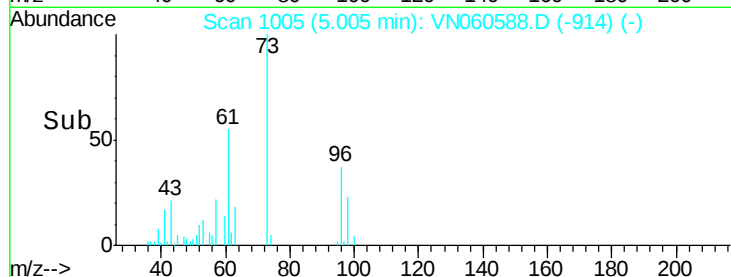
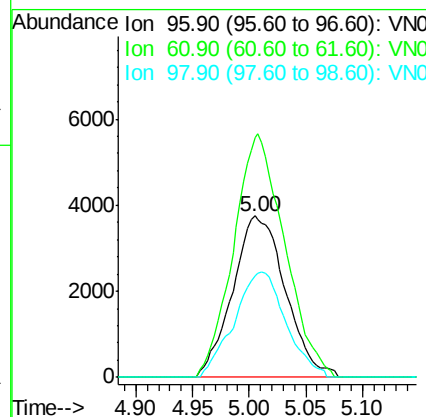
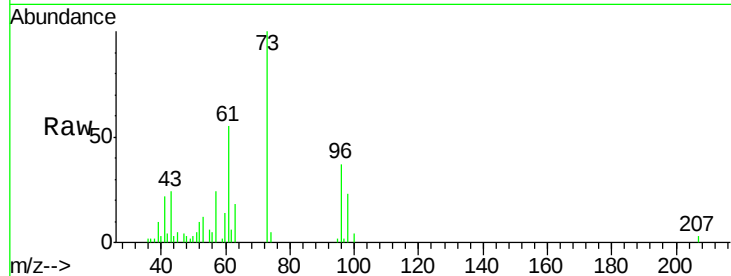
#21  
trans-1,2-Dichloroethene  
Concen: 5.174 ug/l  
RT: 5.00 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 148.4 | 114.4 | 171.6 |
| 98      | 62.6  | 48.4  | 72.6  |

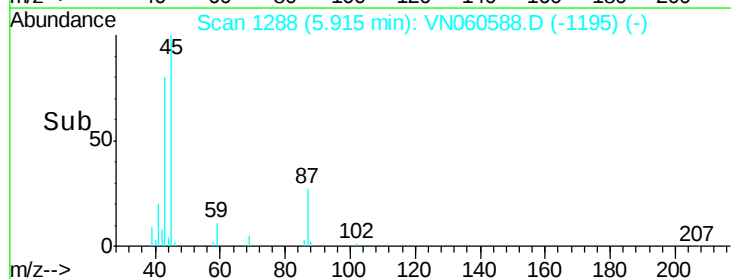
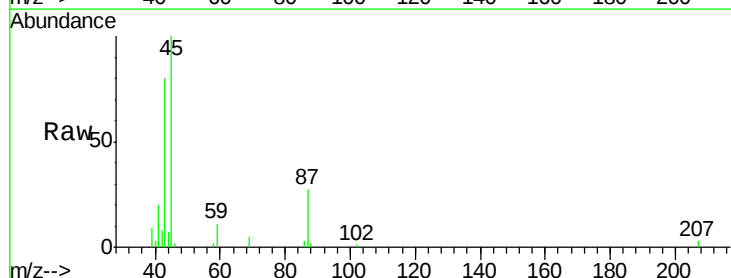
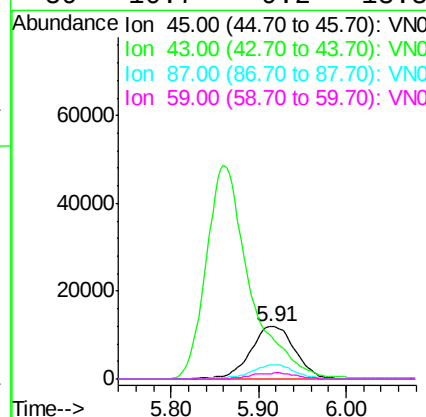
Manual Integrations  
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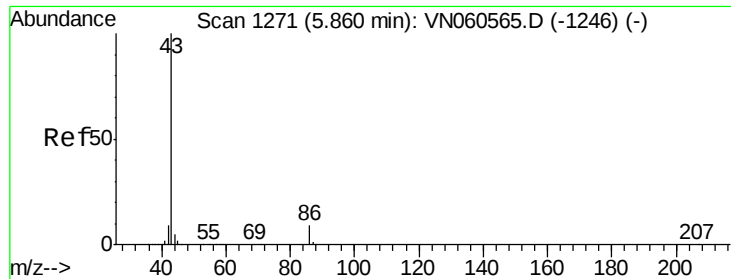
MMDadoda  
3/19/2020 1:03:43 PM



#22  
Diisopropyl ether  
Concen: 5.152 ug/l  
RT: 5.91 min Scan# 1288  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 75.8  | 49.8  | 74.8# |
| 87      | 26.9  | 20.1  | 30.1  |
| 59      | 10.7  | 9.2   | 13.8  |





#23

Vinyl Acetate

Concen: 25.287 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 168809

Ion Ratio Lower Upper

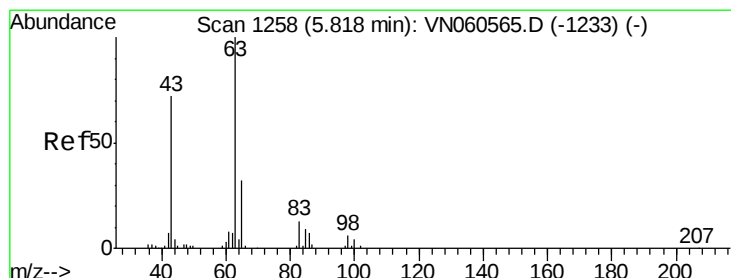
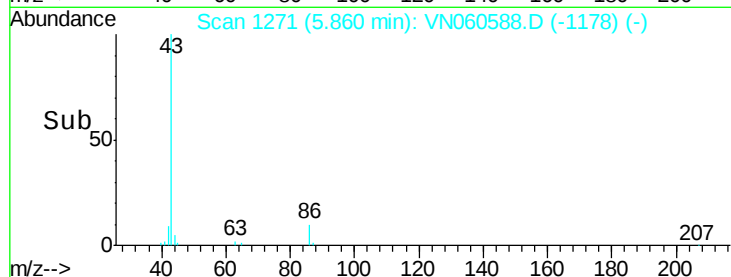
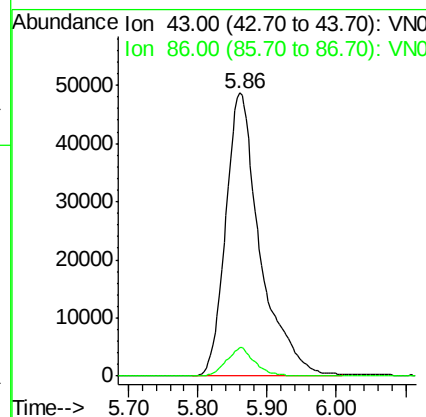
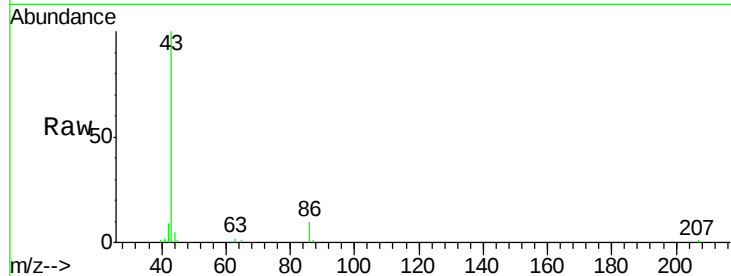
43 100

86 10.1 7.6 11.4

Manual Integrations  
APPROVED

MMDadoda

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#24

1,1-Dichloroethane

Concen: 5.156 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

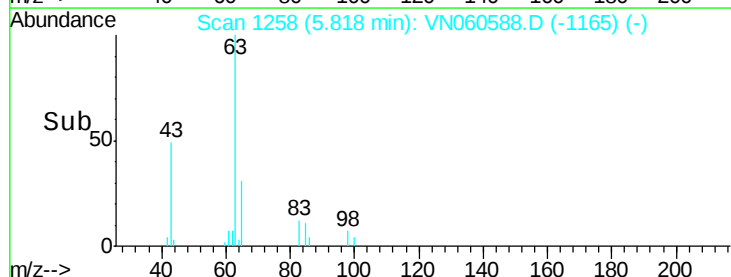
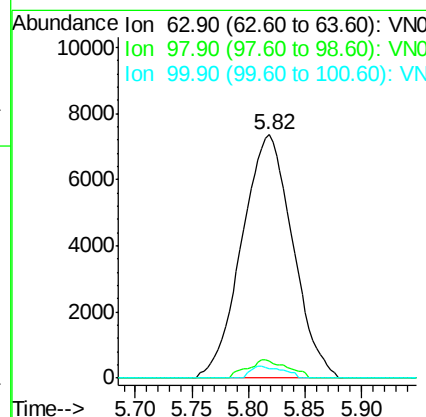
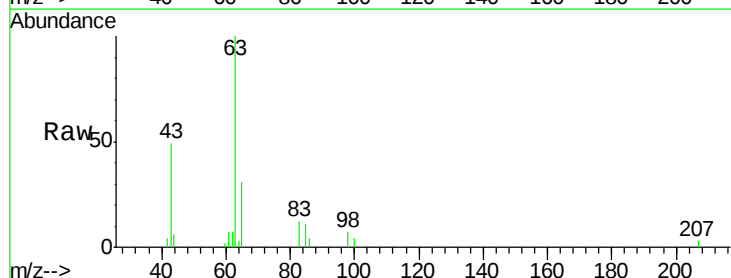
Tgt Ion: 63 Resp: 22997

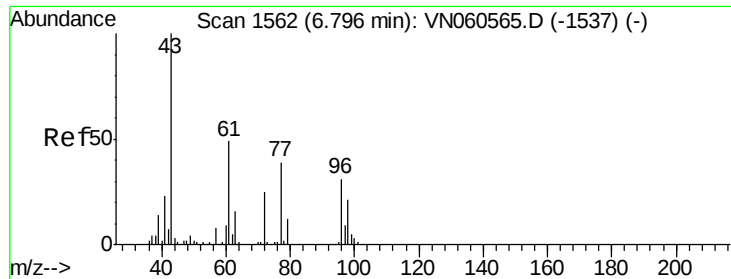
Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.7

100 3.8 1.8 5.5





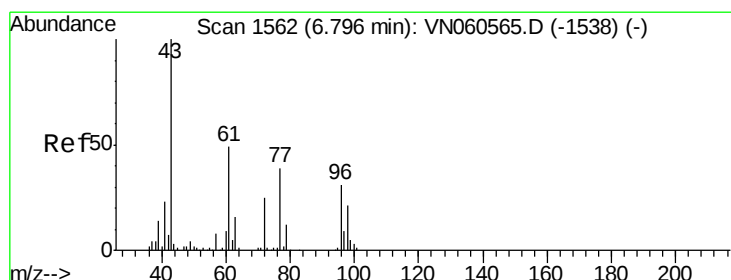
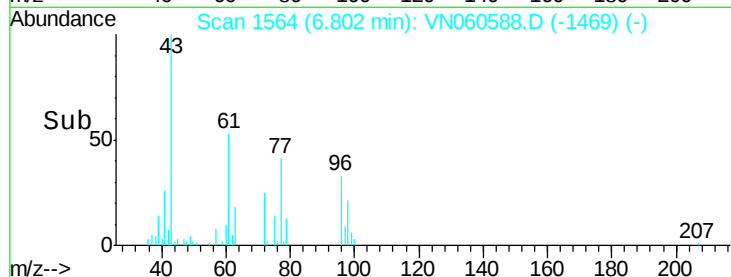
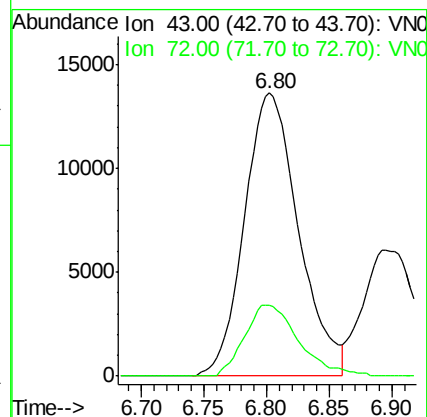
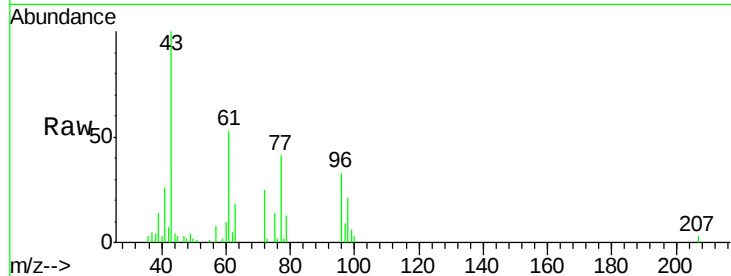
#25  
2-Butanone  
Concen: 25.598 ug/l  
RT: 6.80 min Scan# 1564  
Delta R.T. 0.01 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 40964  
Ion Ratio Lower Upper  
43 100  
72 25.1 20.4 30.6

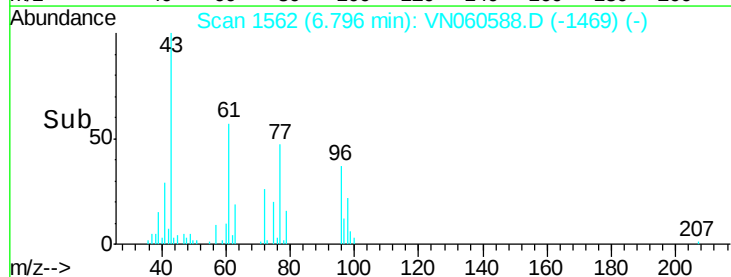
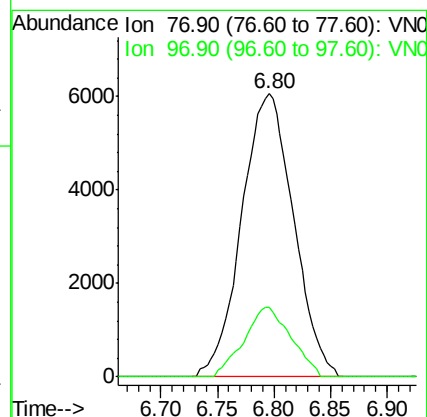
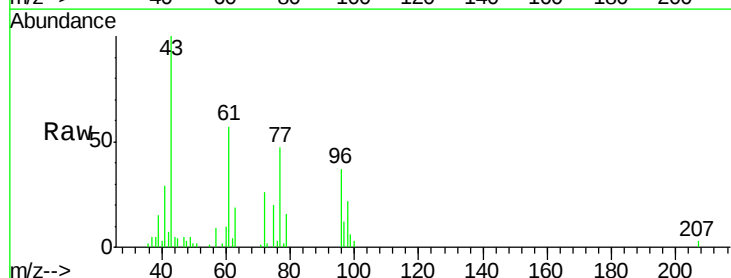
Manual Integrations  
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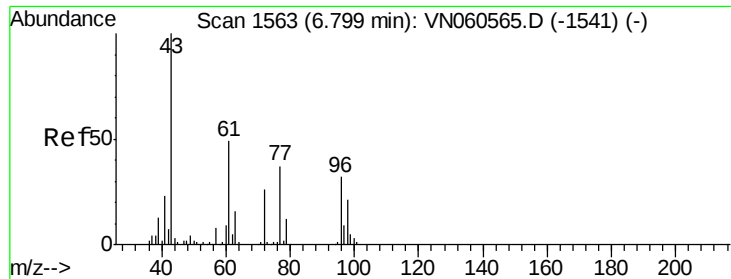
MMDadoda  
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#26  
2,2-Dichloropropane  
Concen: 5.498 ug/l  
RT: 6.80 min Scan# 1562  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Tgt Ion: 77 Resp: 19293  
Ion Ratio Lower Upper  
77 100  
97 22.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 5.328 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

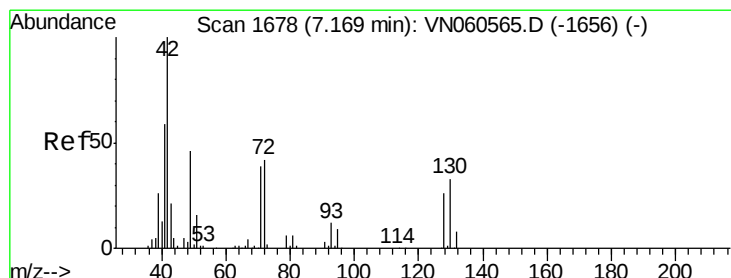
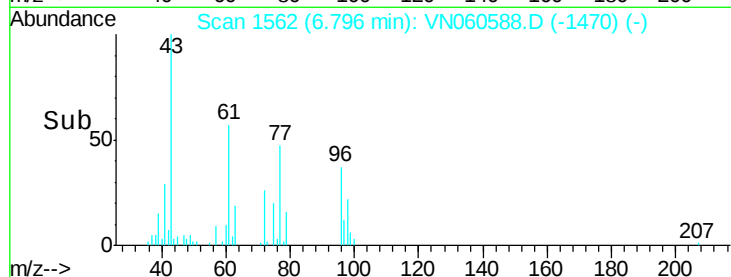
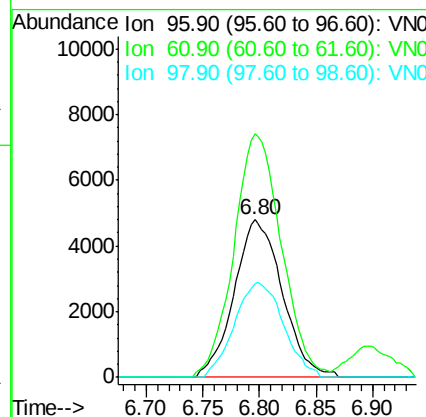
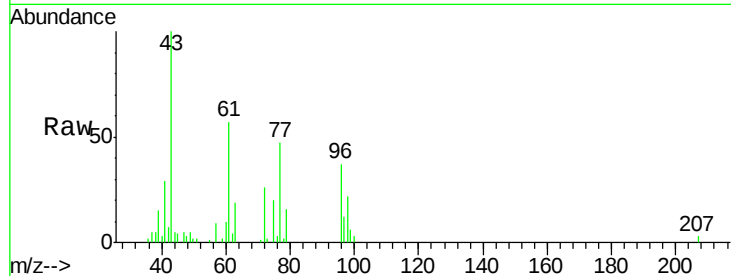
ClientSampleId :

LOQ-WATER-02-QT1-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 14209 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 152.2 | 0.0   | 305.6 |
| 98       | 61.1  | 0.0   | 127.6 |

Manual Integrations  
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#28

Bromochloromethane

Concen: 5.004 ug/l

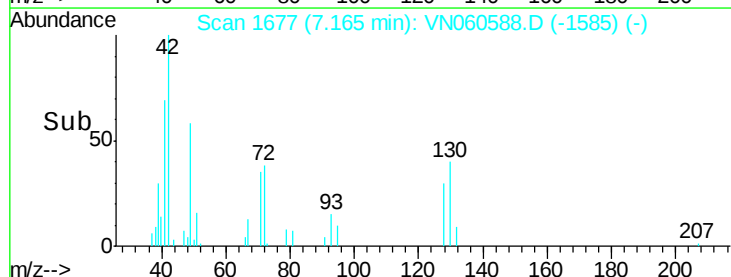
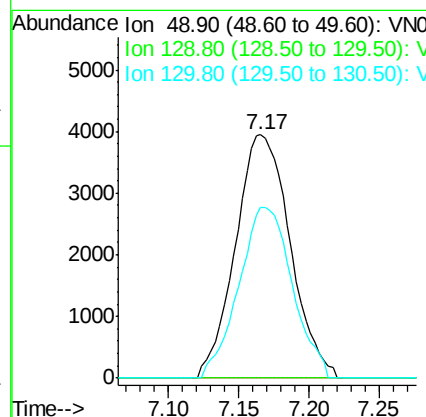
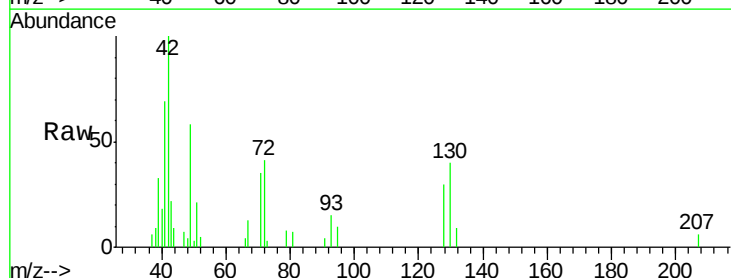
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 10678 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.0   | 0.0   | 3.4   |
| 130      | 68.7  | 55.0  | 82.4  |





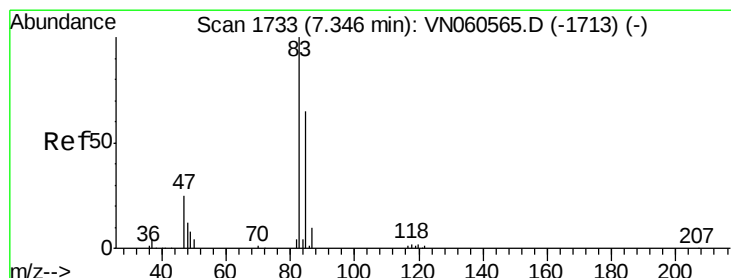
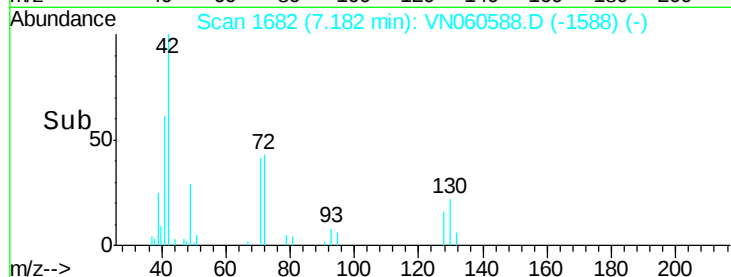
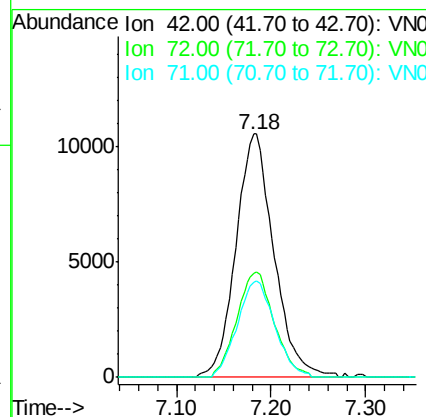
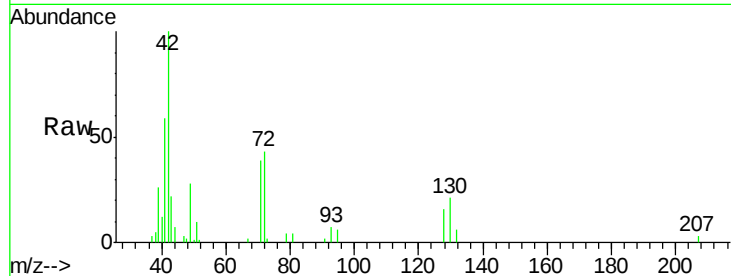
#29  
Tetrahydrofuran  
Concen: 25.954 ug/l  
RT: 7.18 min Scan# 1682  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 42    | Resp: | 29387 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 42.6  | 33.2  | 49.8  |
| 71        | 39.0  | 31.1  | 46.7  |

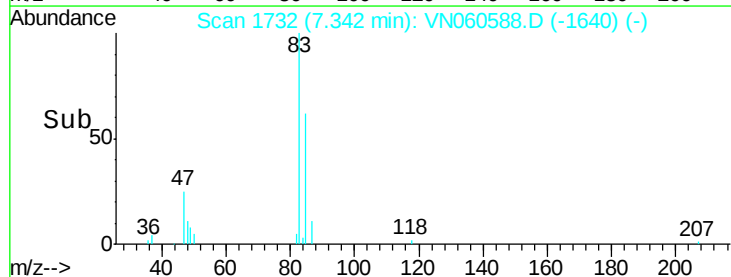
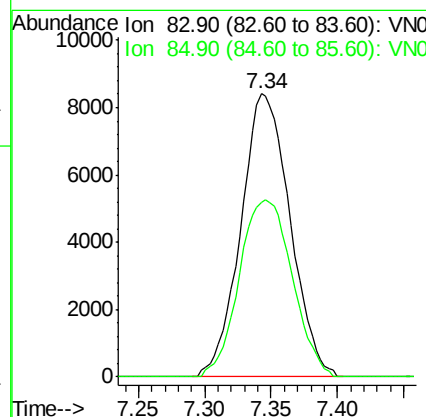
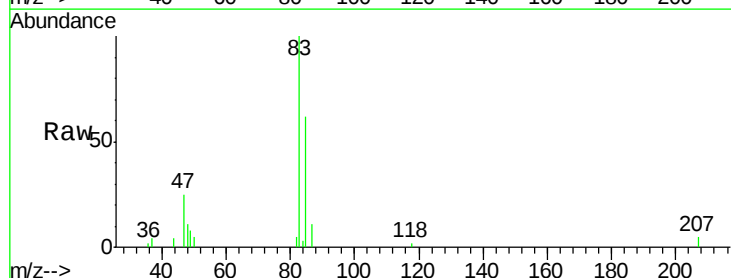
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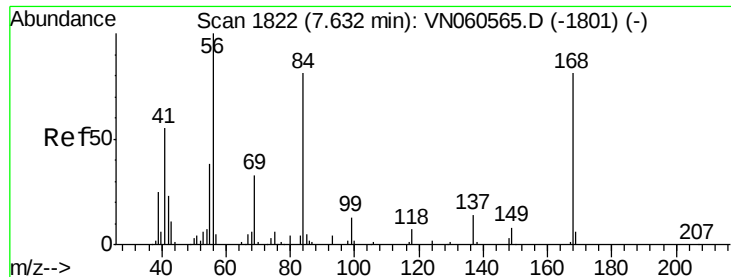
MMDadoda  
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#30  
Chloroform  
Concen: 5.062 ug/l  
RT: 7.34 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 21645 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 61.8  | 51.8  | 77.8  |





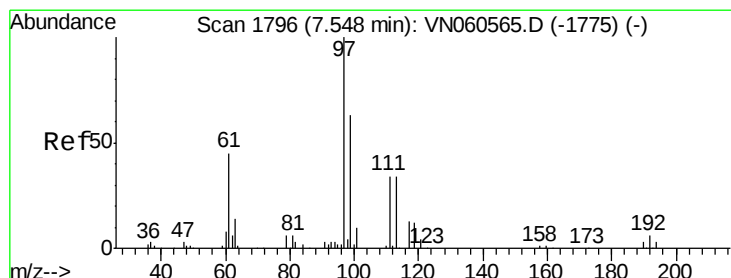
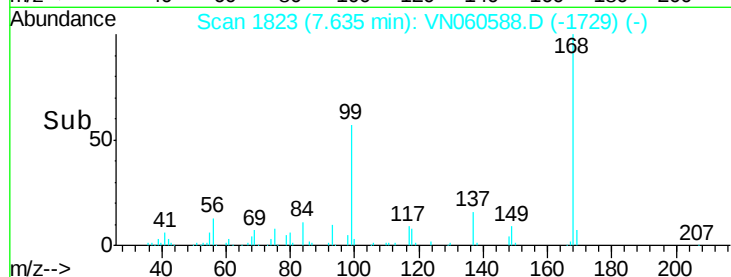
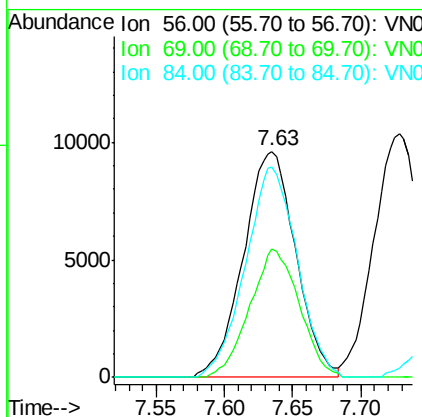
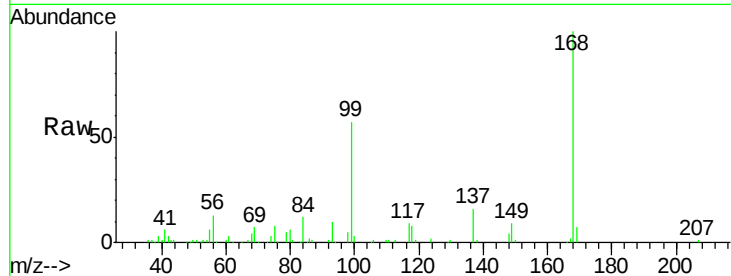
#31  
Cyclohexane  
Concen: 5.703 ug/l  
RT: 7.63 min Scan# 1823  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 56.6  | 26.6  | 40.0# |
| 84      | 92.9  | 64.3  | 96.5  |

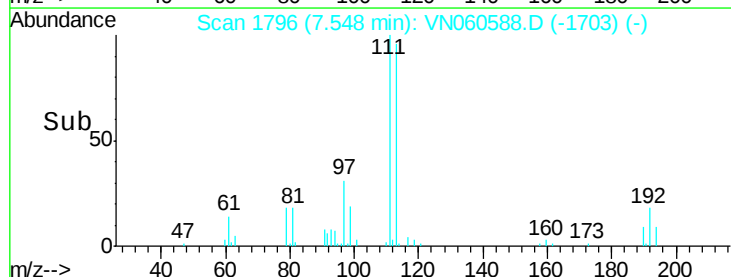
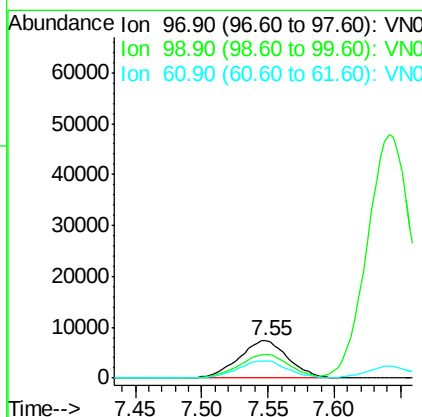
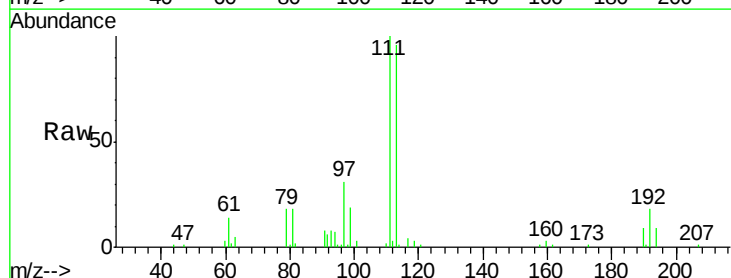
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#32  
1,1,1-Trichloroethane  
Concen: 5.140 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.8  | 50.6  | 75.8  |
| 61      | 46.0  | 36.2  | 54.4  |





#33

1,2-Dichloroethane-d4

Concen: 49.337 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 65 Resp: 137741

Ion Ratio Lower Upper

65 100

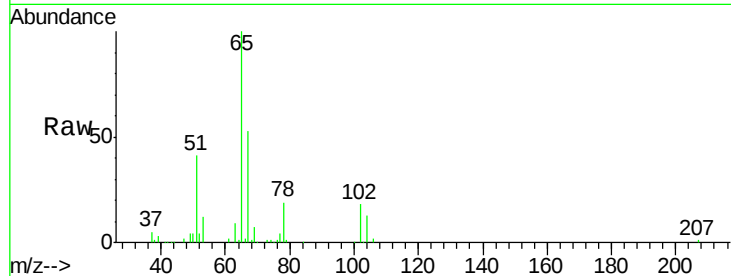
67 53.7 0.0 107.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN060565.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060565.D (-1920) (-)

8.00

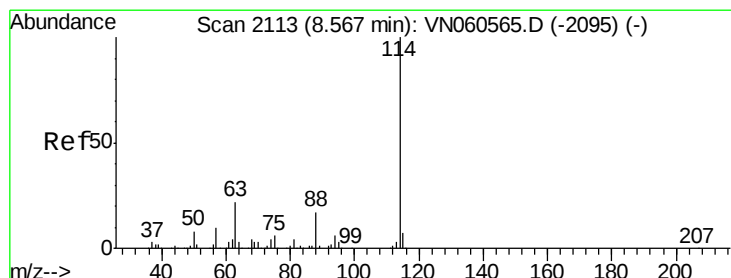
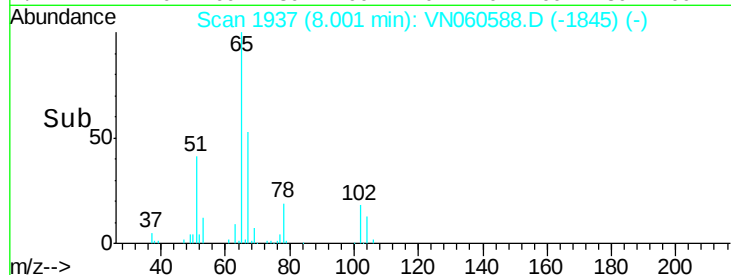
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

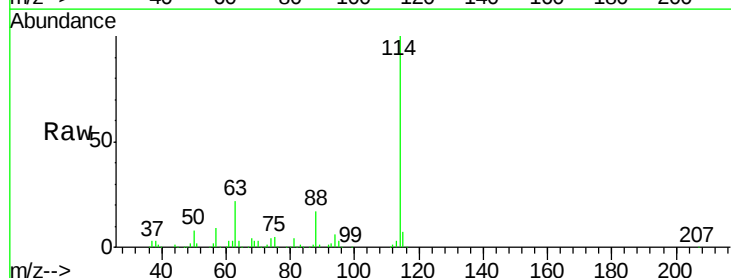
Tgt Ion: 114 Resp: 338422

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

88 16.9 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN060565.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060565.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060565.D (-2095) (-)

8.57

200000

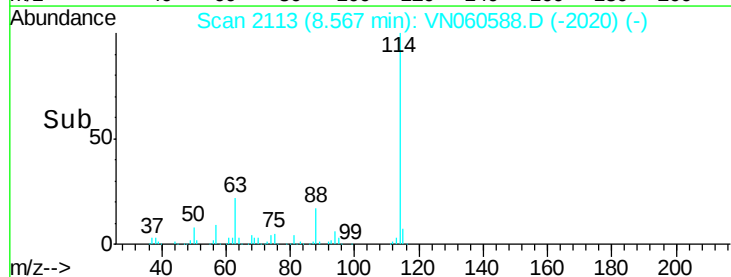
150000

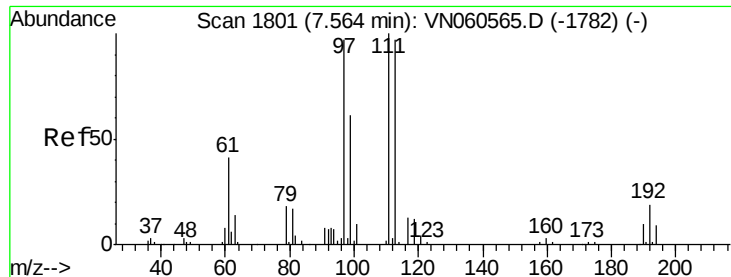
100000

50000

0

Time--> 8.45 8.50 8.55 8.60 8.65





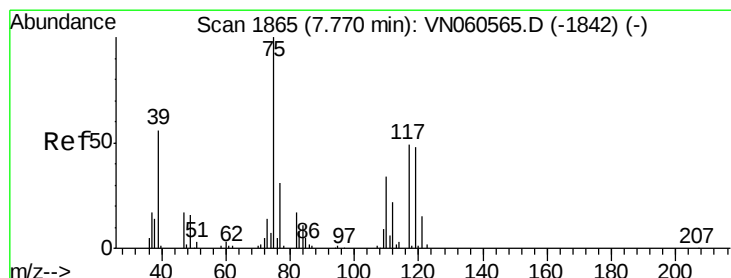
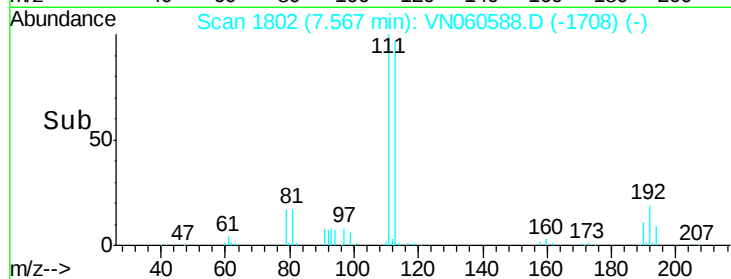
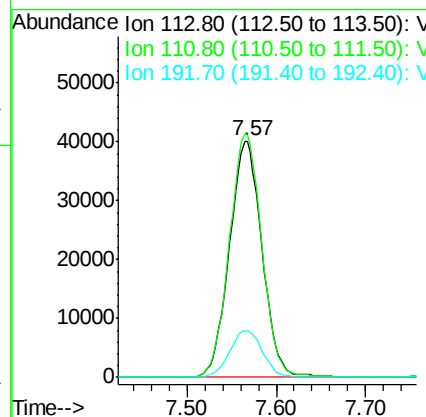
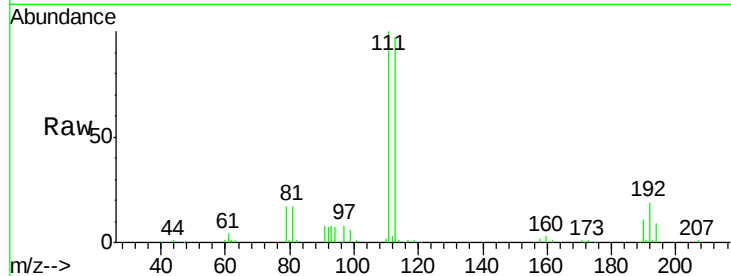
#35  
 Dibromofluoromethane  
 Concen: 49.540 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 101375 |       |       |
| 111     | 102.9 | 82.9   | 124.3 |       |
| 192     | 19.9  | 15.8   | 23.8  |       |

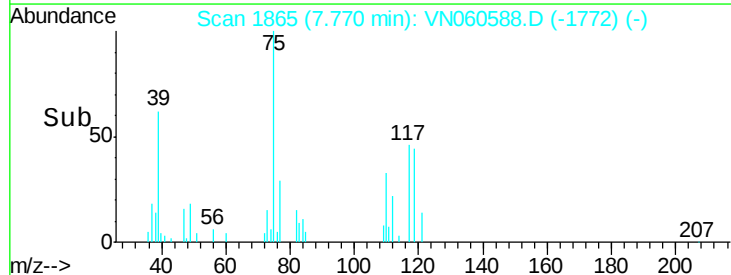
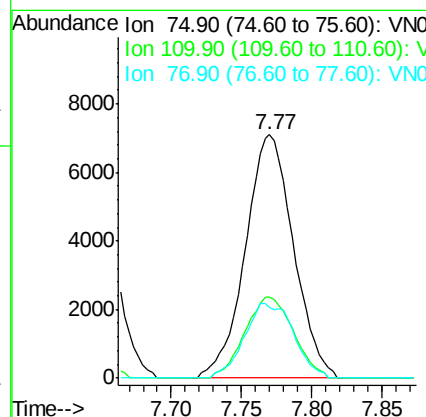
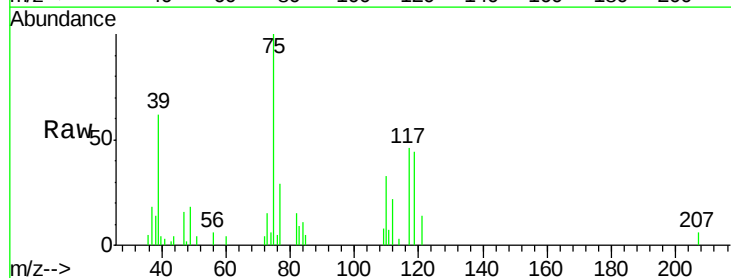
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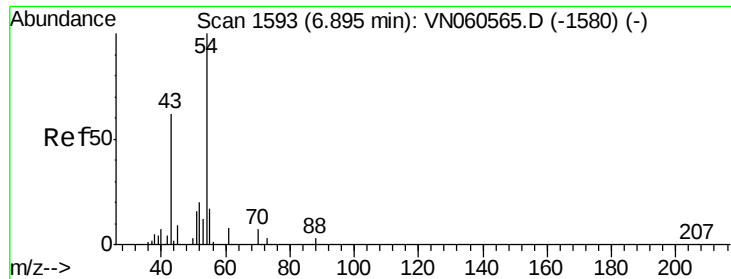
MMDadoda  
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#36  
 1,1-Dichloropropene  
 Concen: 5.164 ug/l  
 RT: 7.77 min Scan# 1865  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 16922 |       |       |
| 110     | 33.6  | 16.9  | 50.6  |       |
| 77      | 31.5  | 24.6  | 36.8  |       |





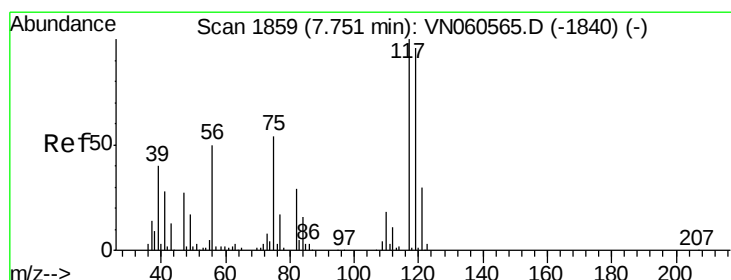
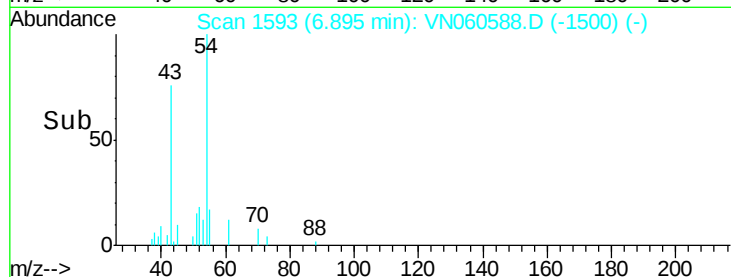
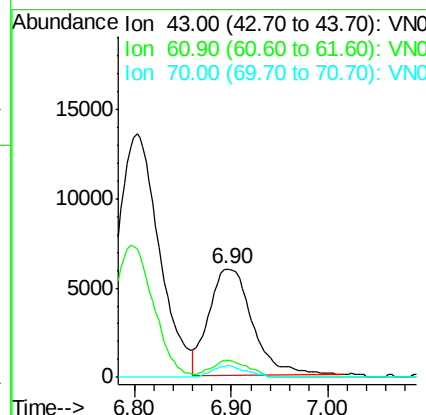
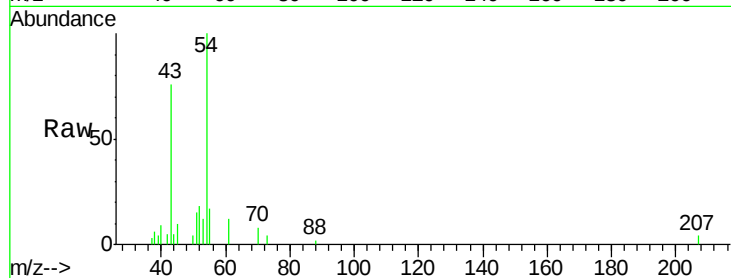
#37  
Ethyl Acetate  
Concen: 5.282 ug/l  
RT: 6.90 min Scan# 1593  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.5  | 10.6  | 15.8  |
| 70      | 8.4   | 7.9   | 11.9  |

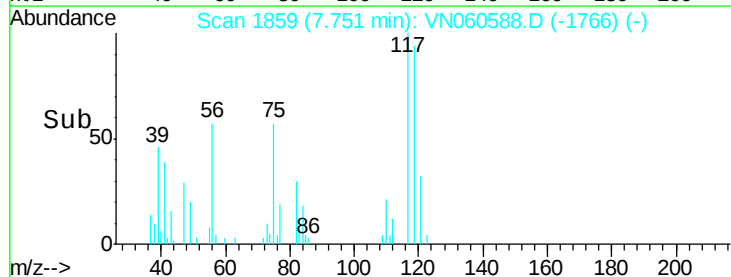
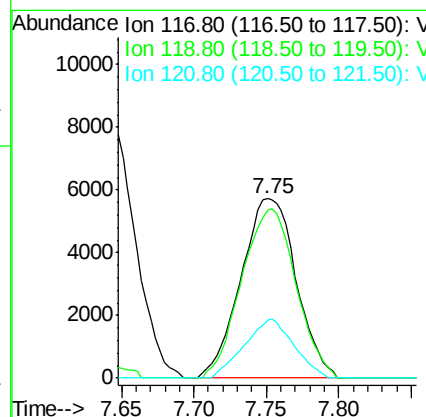
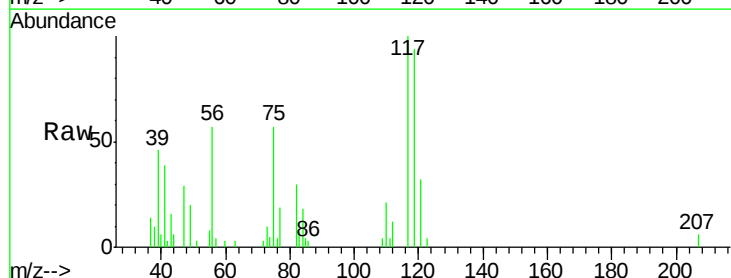
Manual Integrations  
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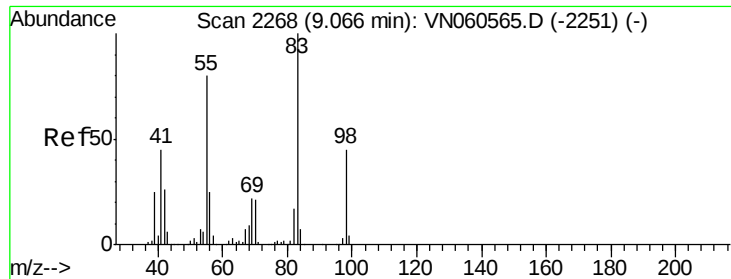
MMDadoda  
3/19/2020 1:03:43 PM



#38  
Carbon Tetrachloride  
Concen: 5.163 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.7  | 76.2  | 114.2 |
| 121     | 32.3  | 23.7  | 35.5  |





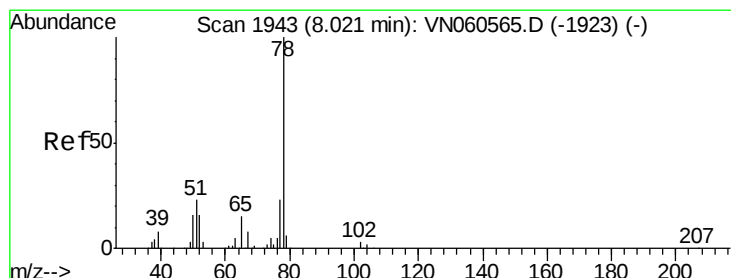
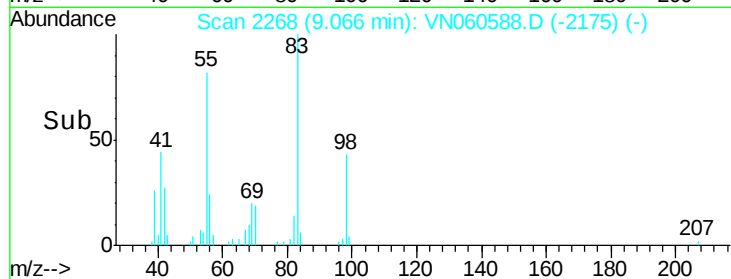
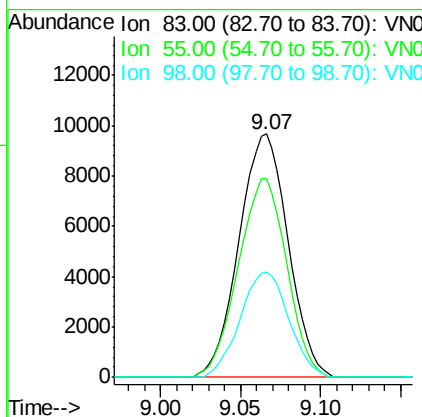
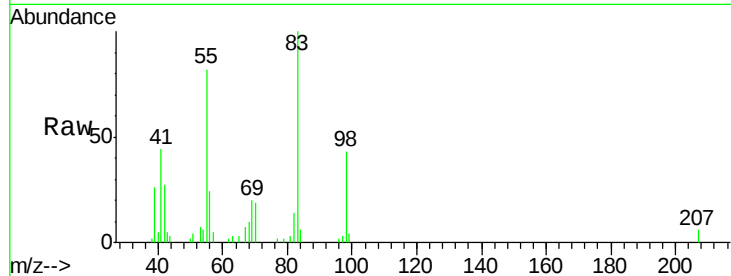
#39  
Methvlcvclohexane  
Concen: 5.224 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 81.6  | 63.6  | 95.4  |
| 98      | 43.2  | 36.0  | 54.0  |

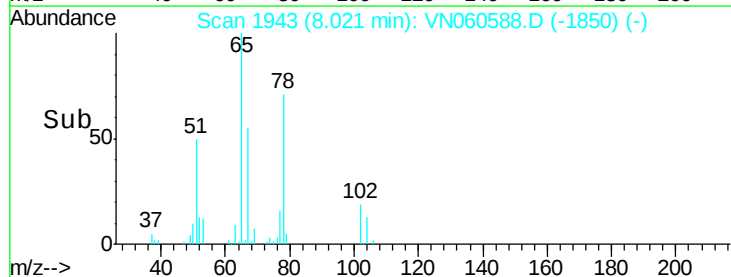
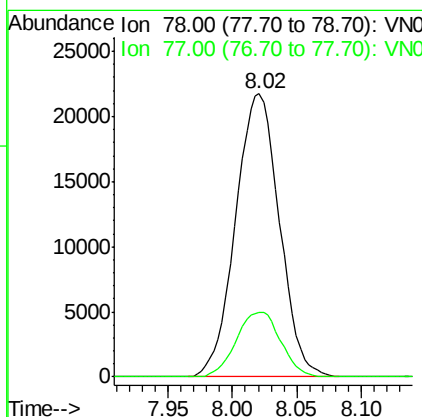
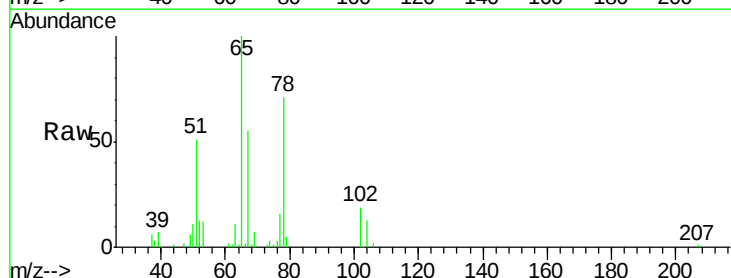
Manual Integrations  
APPROVED

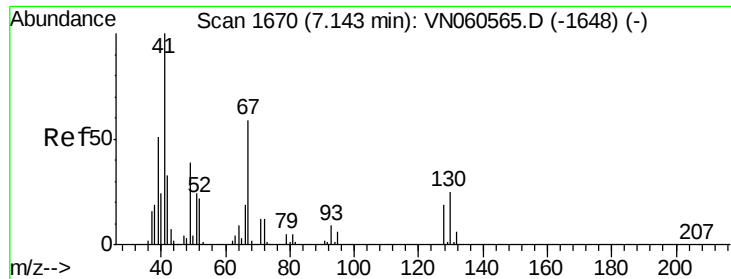
MMDadoda  
3/19/2020 1:03:43 PM



#40  
Benzene  
Concen: 5.202 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.9  | 18.6  | 28.0  |





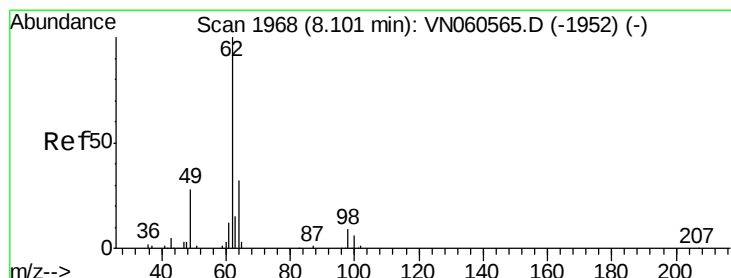
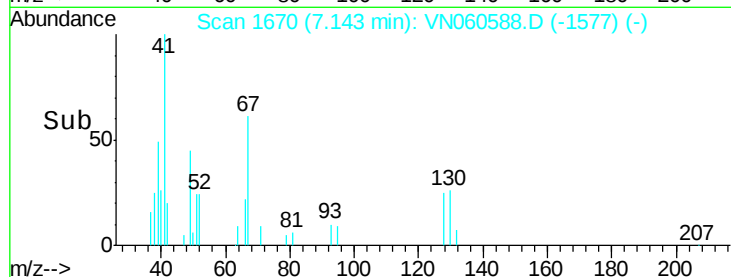
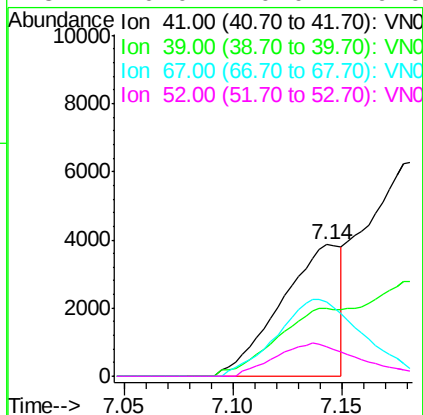
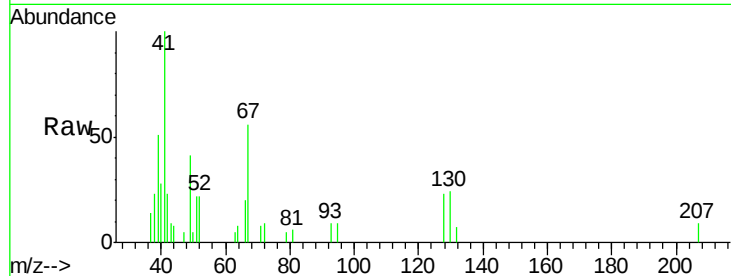
#41  
Methacrylonitrile  
Concen: 4.905 ug/l m  
RT: 7.14 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion   | 41    | Resp  | 7412 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 41        | 100   |       |      |
| 39        | 0.0   | 0.0   | 0.0  |
| 67        | 0.0   | 0.0   | 0.0  |
| 52        | 0.0   | 0.0   | 0.0  |

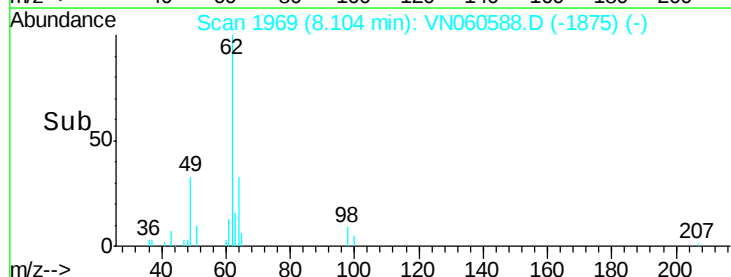
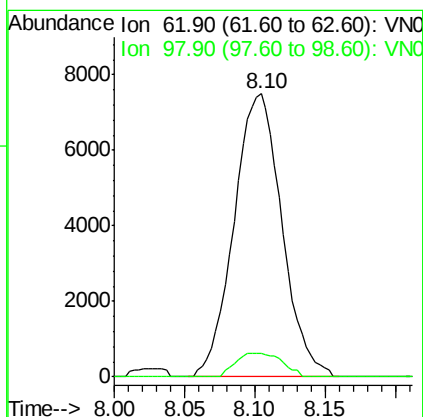
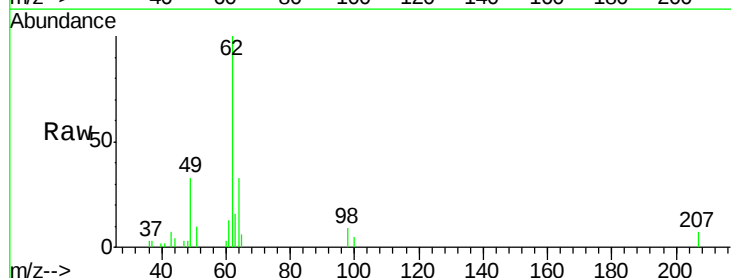
Manual Integrations  
APPROVED

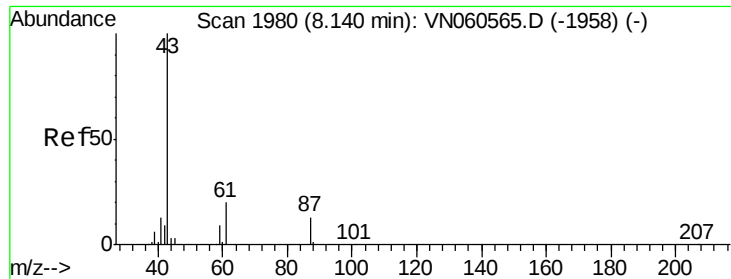
MMDadoda  
3/19/2020 1:03:43 PM



#42  
1,2-Dichloroethane  
Concen: 5.265 ug/l  
RT: 8.10 min Scan# 1969  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion   | 62    | Resp  | 17800 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 8.2   | 0.0   | 17.8  |





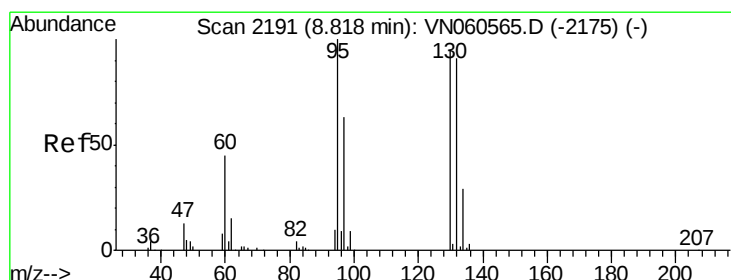
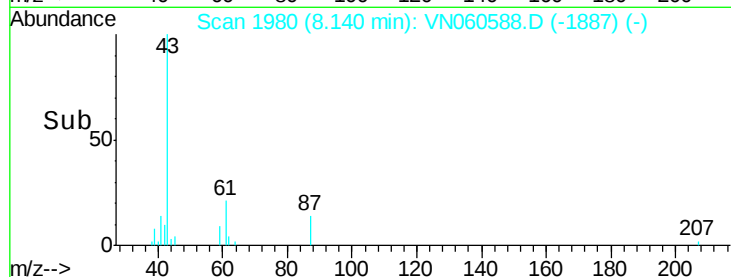
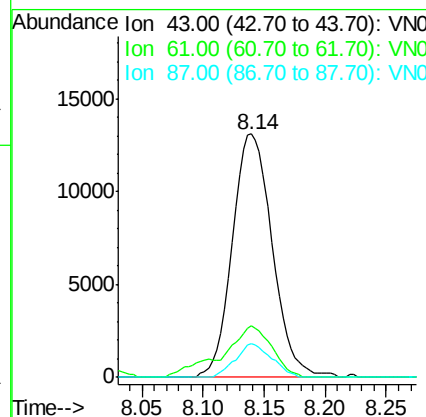
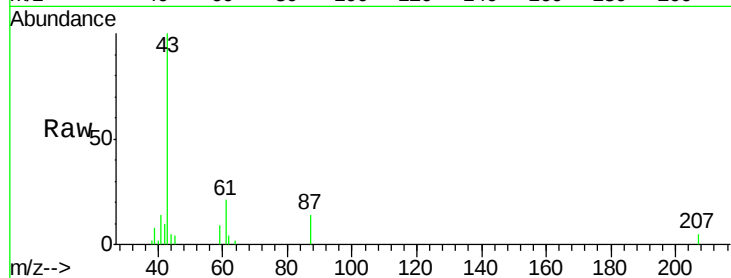
#43  
Isopropyl Acetate  
Concen: 5.108 ug/l  
RT: 8.14 min Scan# 1980  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.8  | 20.7  | 31.1  |
| 87      | 12.4  | 9.8   | 14.8  |

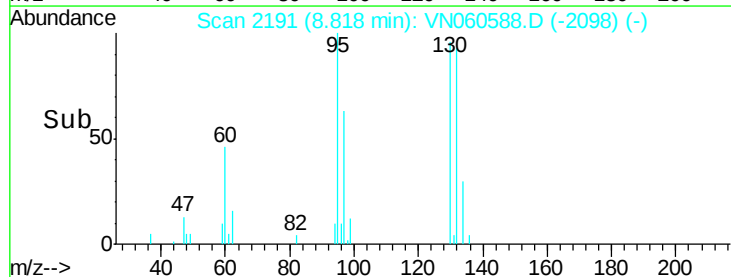
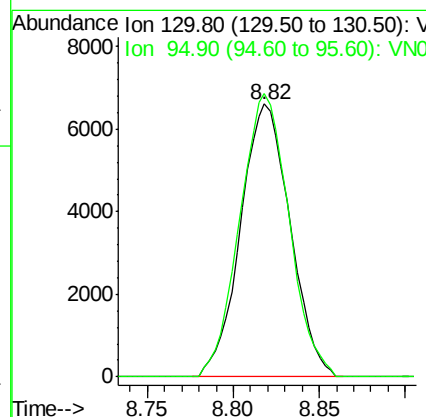
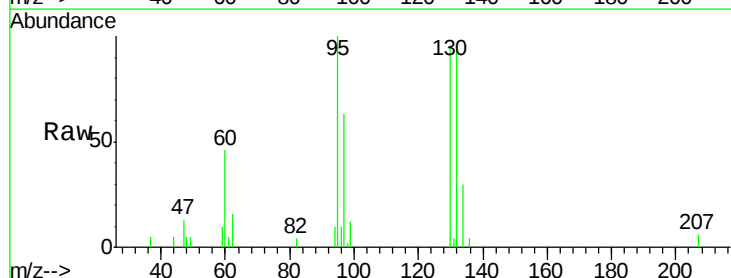
Manual Integrations  
APPROVED

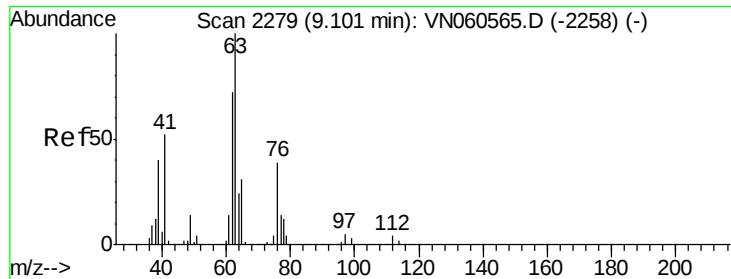
MMDadoda  
3/19/2020 1:03:43 PM



#44  
Trichloroethene  
Concen: 5.314 ug/l  
RT: 8.82 min Scan# 2191  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 103.7 | 0.0   | 211.2 |





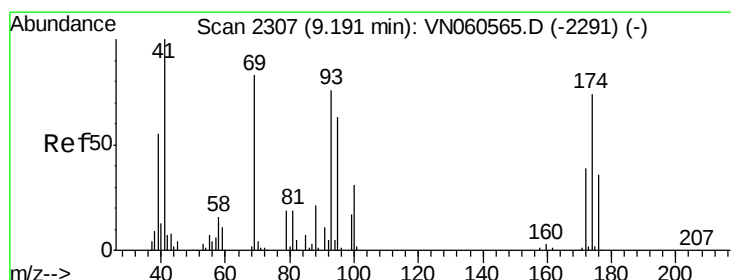
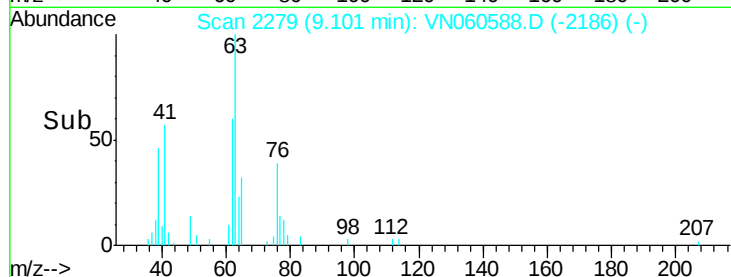
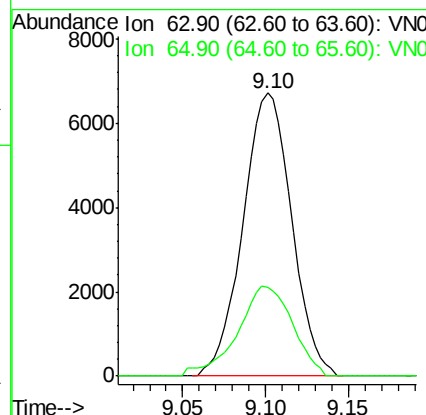
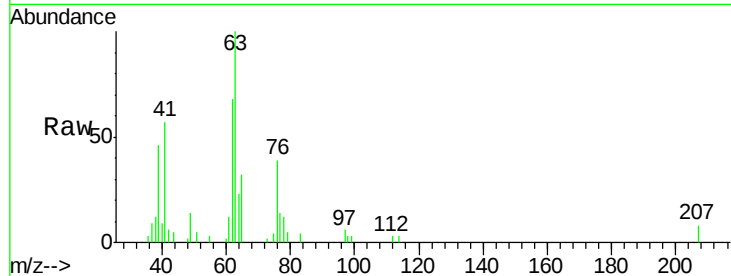
#45  
 1,2-Dichloropropane  
 Concen: 5.269 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.6  | 25.4  | 38.0  |

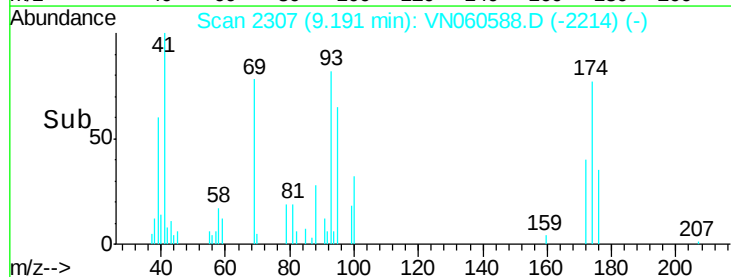
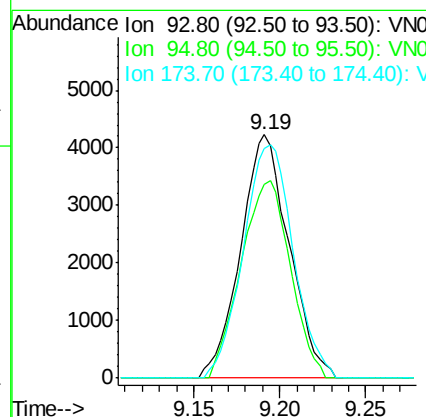
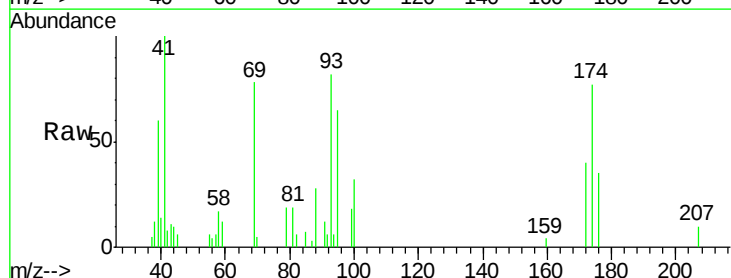
Manual Integrations  
 APPROVED

MMDadoda  
 3/19/2020 1:03:43 PM



#46  
 Dibromomethane  
 Concen: 5.244 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.4  | 66.2  | 99.4  |
| 174     | 98.8  | 77.9  | 116.9 |





#47

Bromodichloromethane

Concen: 5.087 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

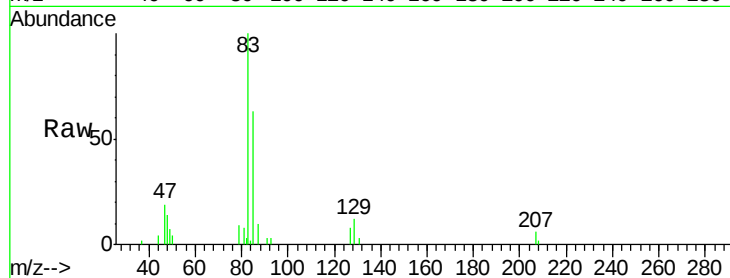
ClientSampleId :

LOQ-WATER-02-QT1-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 16682 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.6  | 51.8  | 77.6  |
| 127      | 8.1   | 6.5   | 9.7   |

Manual Integrations  
APPROVED

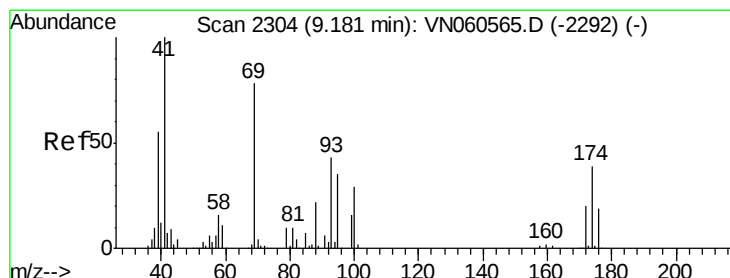
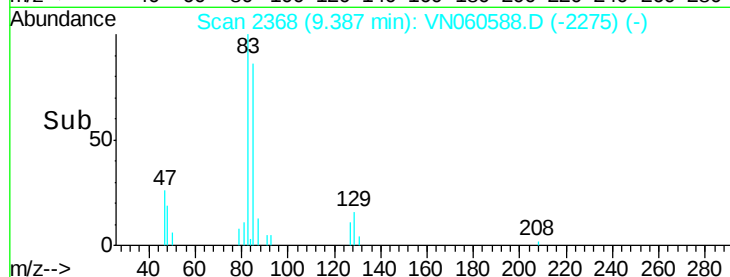
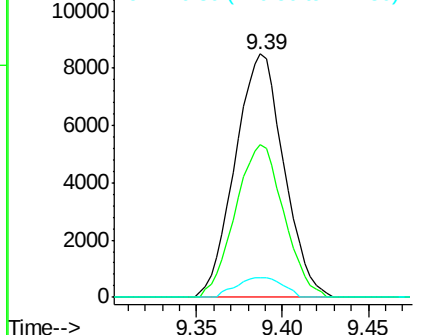
MMDadoda  
3/19/2020 1:03:43 PM



Abundance Ion 82.90 (82.60 to 83.60): VN060565.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN060565.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN060565.D (-2352) (-)



#48

Methyl methacrylate

Concen: 4.776 ug/l

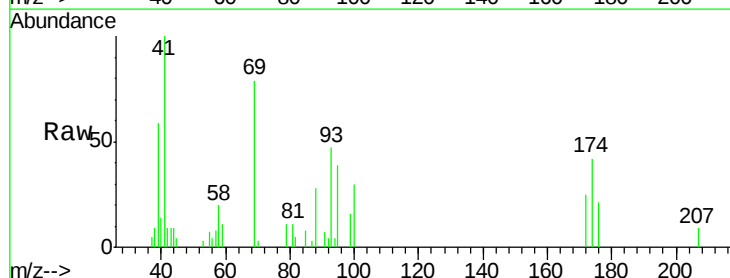
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

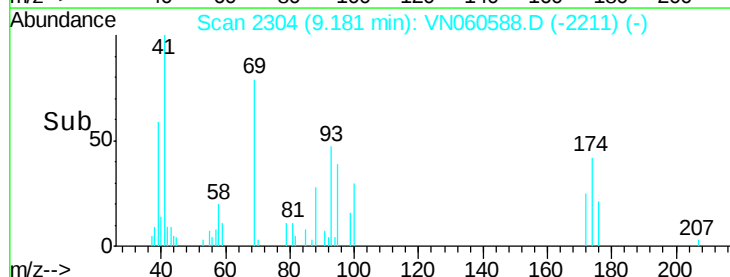
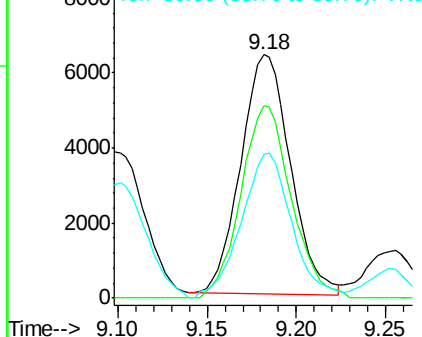
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 12418 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 81.1  | 65.4  | 98.0  |
| 39       | 61.1  | 44.0  | 66.0  |

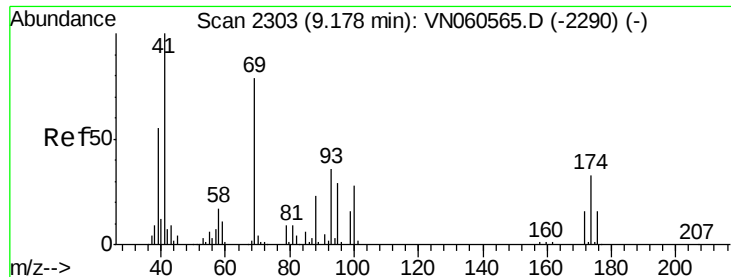


Abundance Ion 41.00 (40.70 to 41.70): VN060565.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN060565.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-2292) (-)





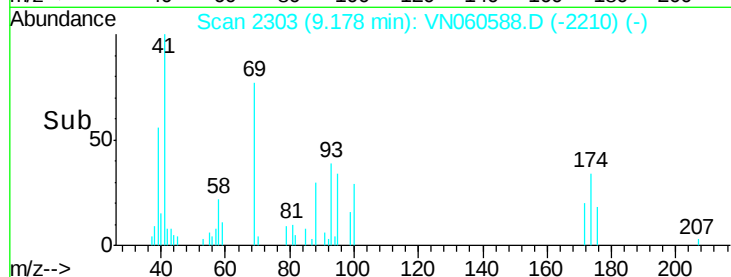
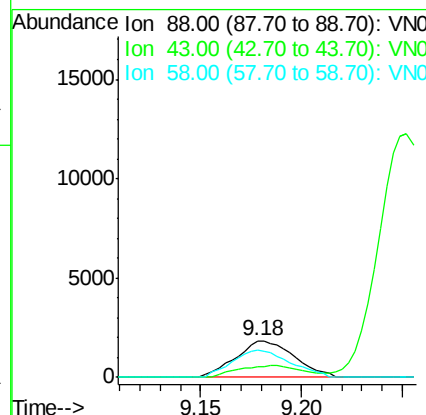
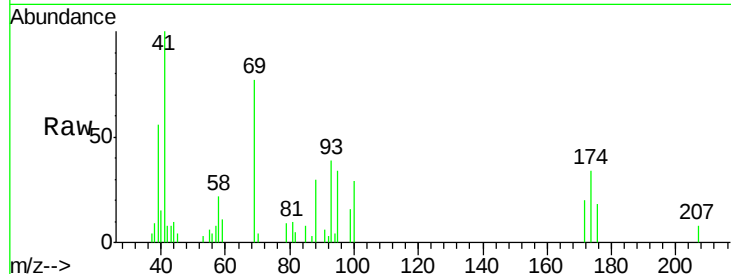
#49  
1,4-Dioxane  
Concen: 119.729 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.8  | 30.8  | 46.2  |
| 58      | 73.5  | 59.8  | 89.8  |

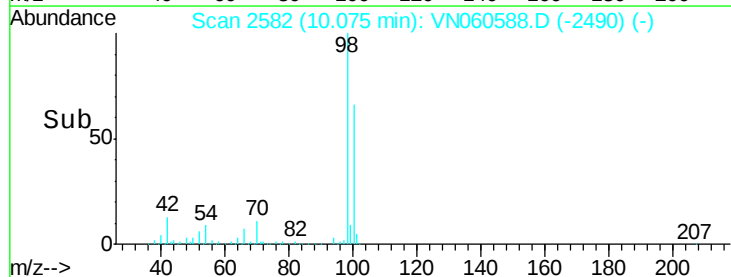
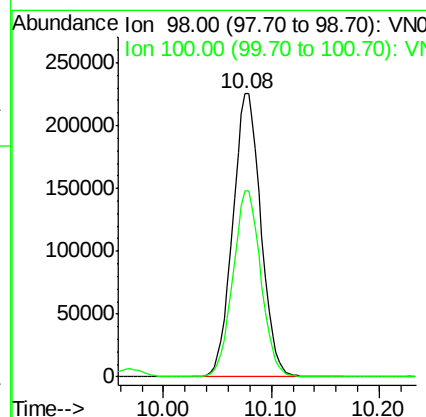
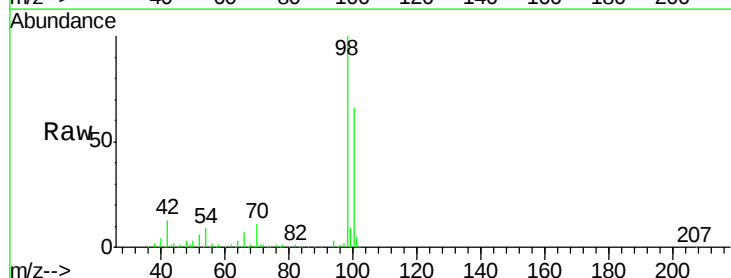
Manual Integrations  
APPROVED

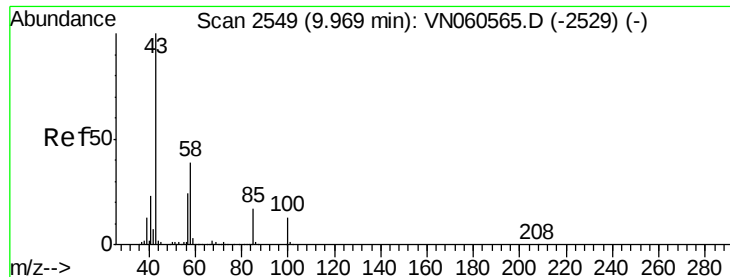
MMDadoda  
3/19/2020 1:03:43 PM



#50  
Toluene-d8  
Concen: 49.062 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.3  | 51.8  | 77.8  |





#51

4-Methyl-2-Pentanone

Concen: 26.048 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 86555

Ion Ratio Lower Upper

43 100

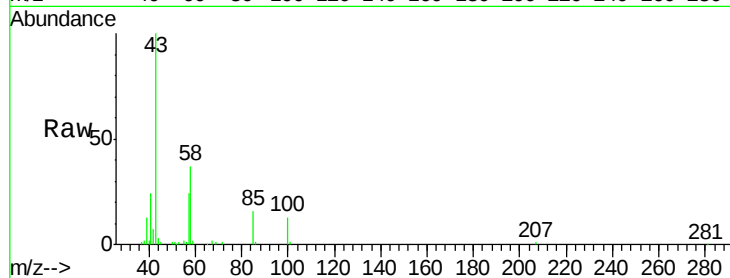
58 37.8 30.8 46.2

Manual Integrations

APPROVED

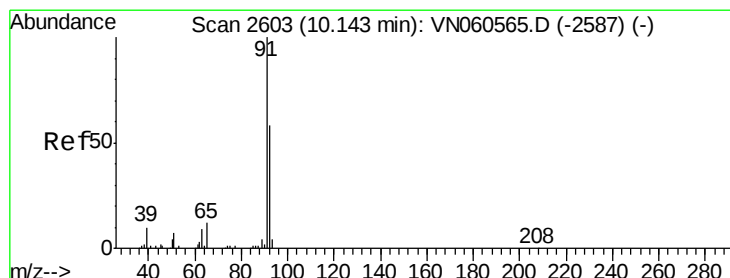
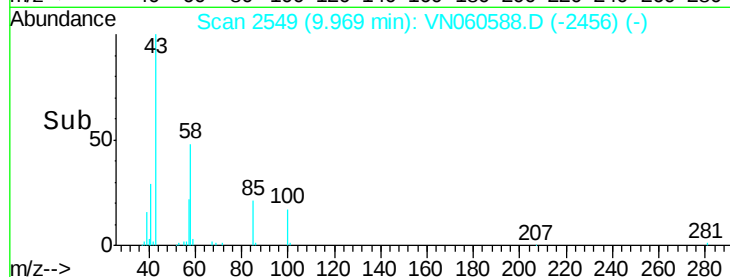
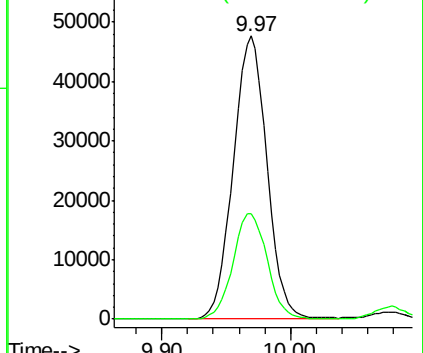
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN060565.D

Ion 58.00 (57.70 to 58.70): VN060565.D



#52

Toluene

Concen: 5.343 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060588.D

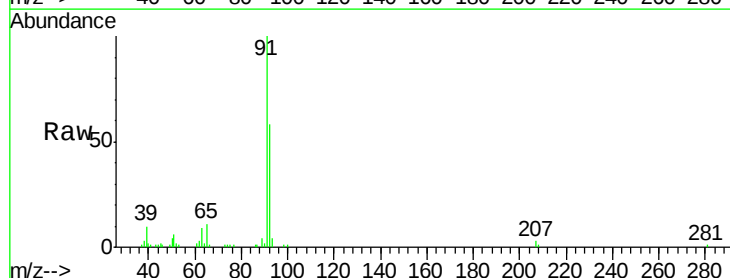
Acq: 18 Mar 2020 13:47

Tgt Ion: 92 Resp: 31921

Ion Ratio Lower Upper

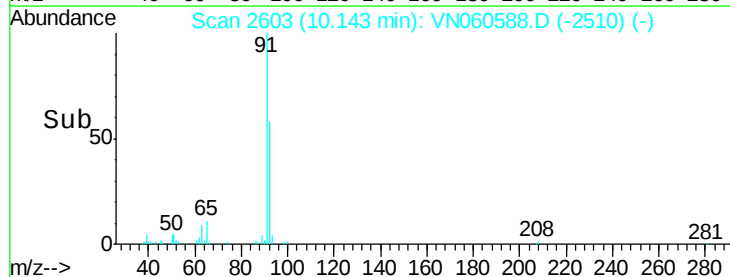
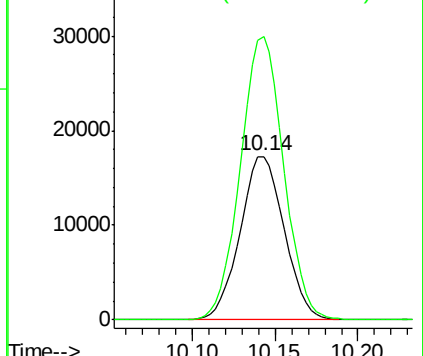
92 100

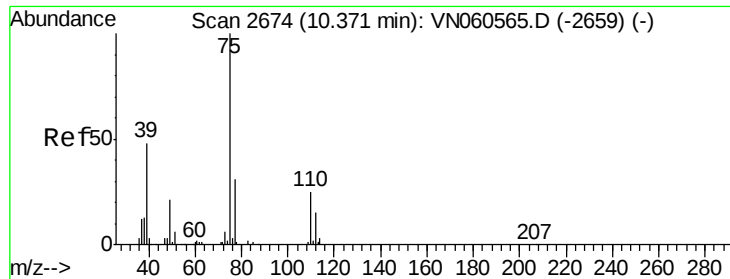
91 169.7 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D

Ion 91.00 (90.70 to 91.70): VN060565.D





#53

t-1,3-Dichloropropene

Concen: 5.129 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 75 Resp: 19321

Ion Ratio Lower Upper

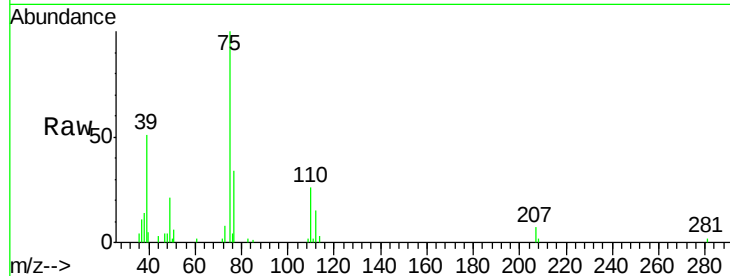
75 100

77 31.9 25.1 37.7

Manual Integrations  
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MMDadoda

3/19/2020 1:03:43 PM



Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-2659) (-)

Ion 76.90 (76.60 to 77.60): VN060565.D (-2659) (-)

10.37

12000

10000

8000

6000

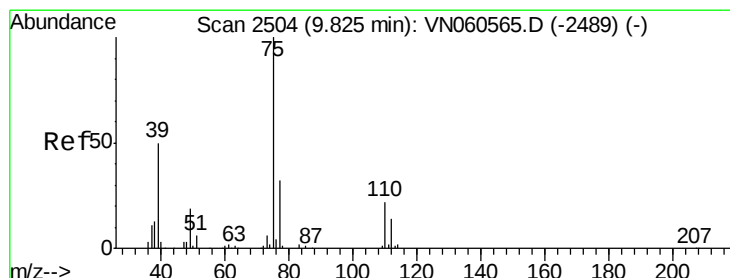
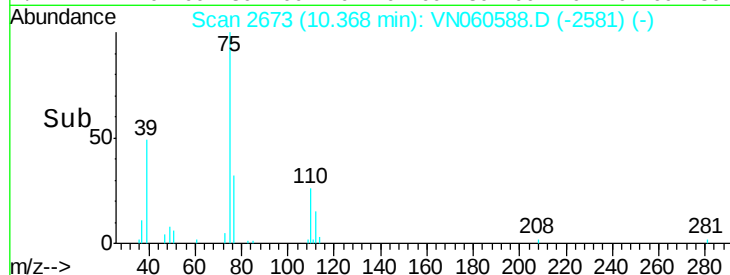
4000

2000

0

10.30 10.35 10.40 10.45

Time-->



#54

cis-1,3-Dichloropropene

Concen: 5.044 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

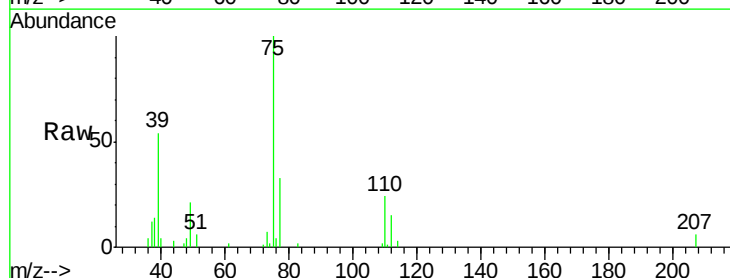
Tgt Ion: 75 Resp: 20842

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.0

39 54.0 40.2 60.4



Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN060565.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-2489) (-)

9.82

15000

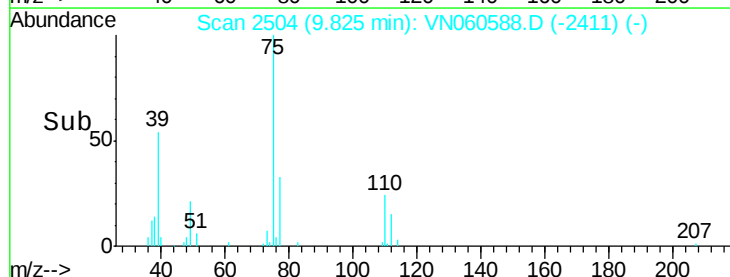
10000

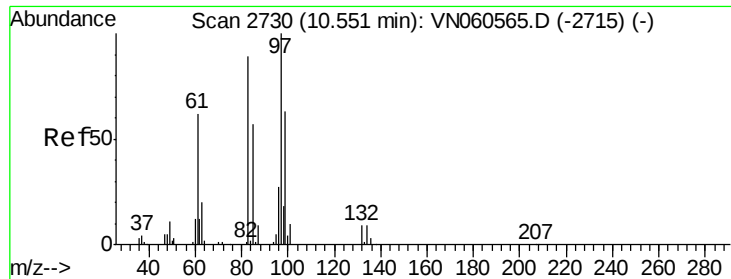
5000

0

9.75 9.80 9.85 9.90

Time-->





#55

1,1,2-Trichloroethane

Concen: 5.277 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

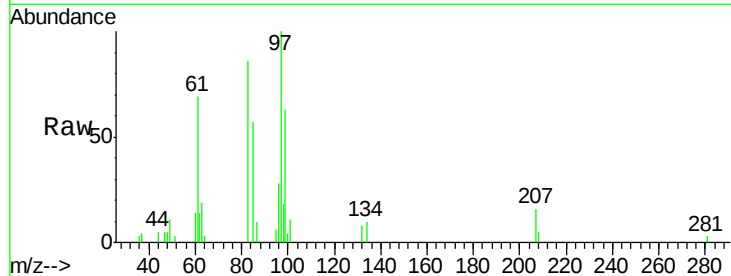
ClientSampleId :

LOQ-WATER-02-QT1-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 12128 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.2  | 71.3  | 106.9 |
| 85       | 57.0  | 45.2  | 67.8  |
| 99       | 63.0  | 50.1  | 75.1  |

Manual Integrations  
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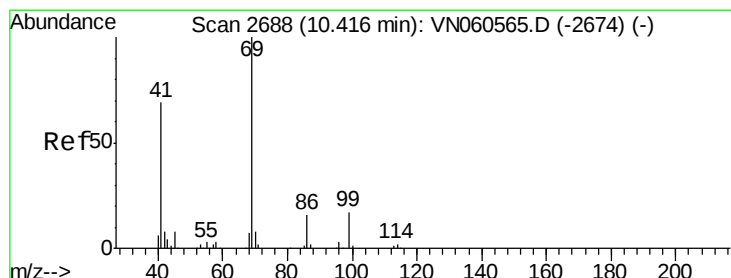
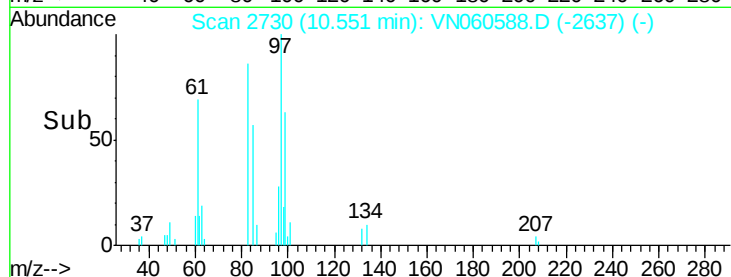
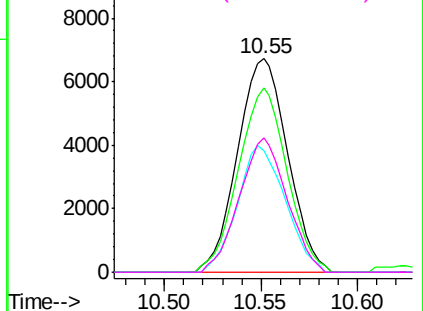


Abundance Ion 96.90 (96.60 to 97.60): VN060588.D (-2637) (-)

Ion 82.90 (82.60 to 83.60): VN060588.D (-2637) (-)

Ion 84.90 (84.60 to 85.60): VN060588.D (-2637) (-)

Ion 98.90 (98.60 to 99.60): VN060588.D (-2637) (-)



#56

Ethyl methacrylate

Concen: 4.822 ug/l

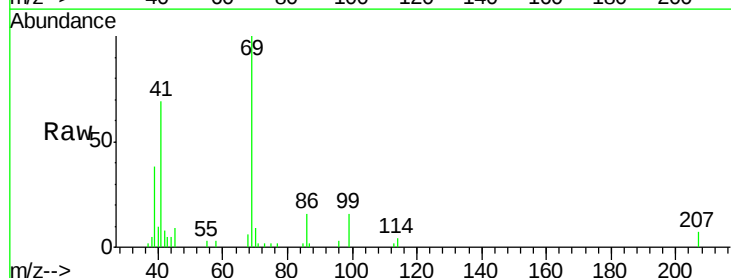
RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

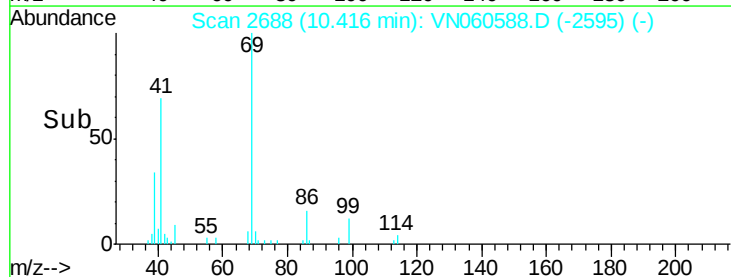
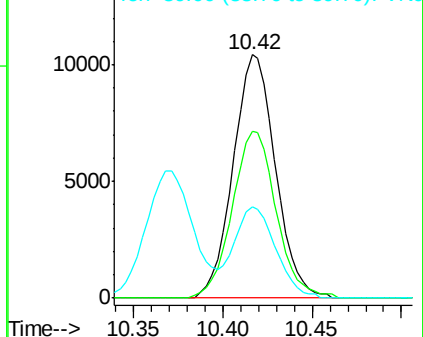
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 17281 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 71.1  | 55.4  | 83.2  |
| 39       | 37.2  | 29.4  | 44.0  |



Abundance Ion 69.00 (68.70 to 69.70): VN060588.D (-2595) (-)

Ion 41.00 (40.70 to 41.70): VN060588.D (-2595) (-)

Ion 39.00 (38.70 to 39.70): VN060588.D (-2595) (-)





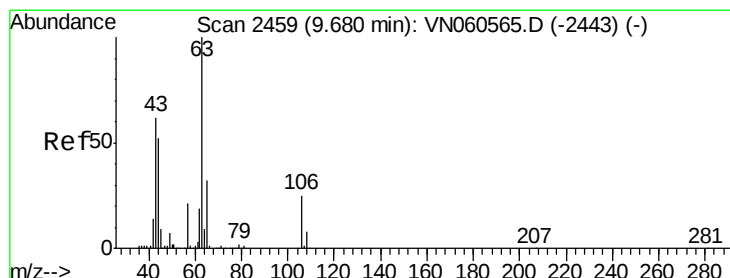
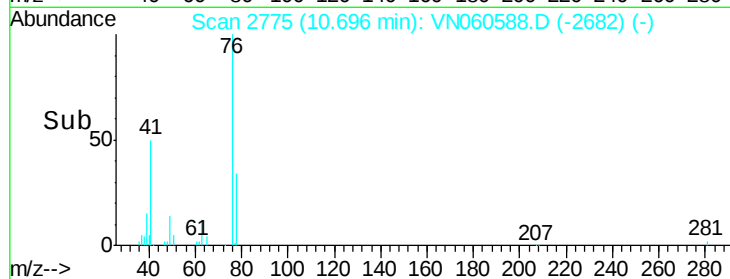
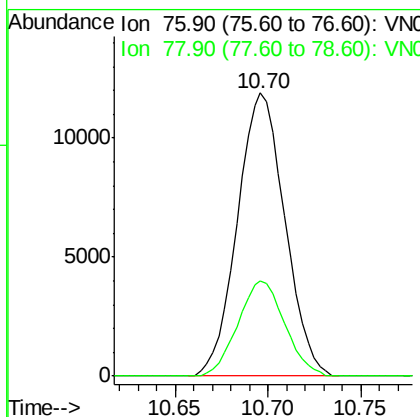
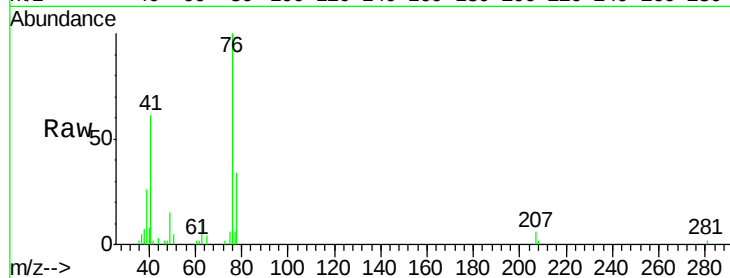
#57  
 1,3-Dichloropropane  
 Concen: 5.285 ug/l  
 RT: 10.70 min Scan# 2775  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 33.2  | 25.8  | 38.6  |

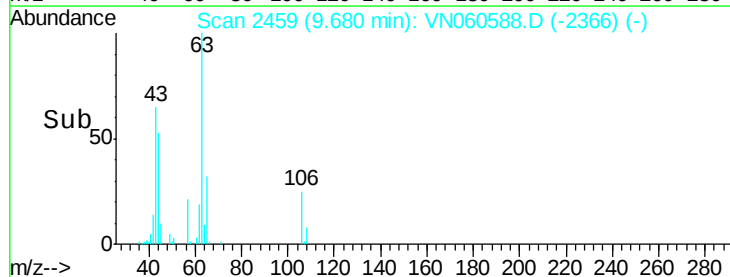
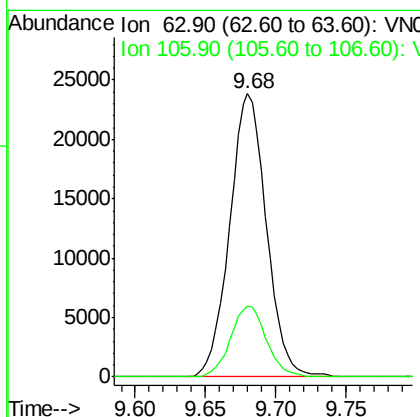
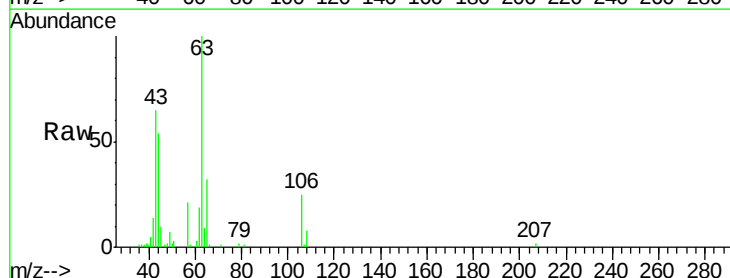
Manual Integrations  
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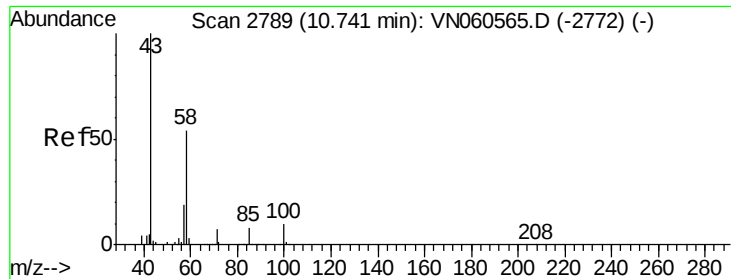
MMDadoda  
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 24.327 ug/l  
 RT: 9.68 min Scan# 2459  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 24.3  | 20.0  | 30.0  |





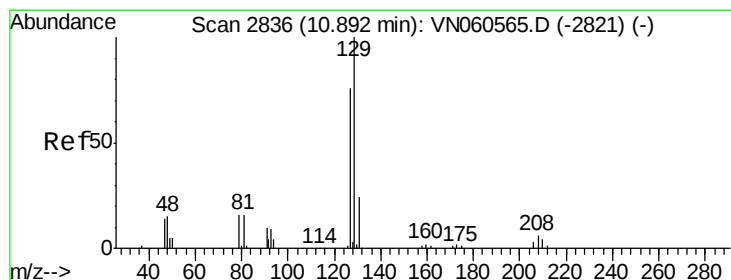
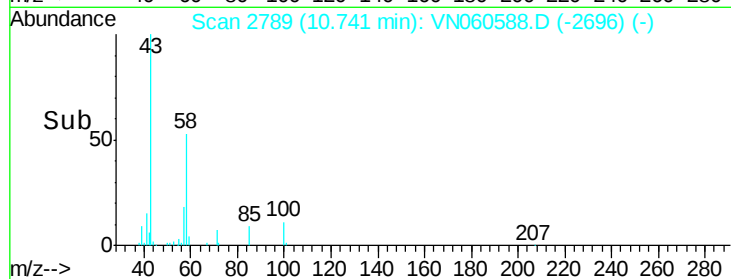
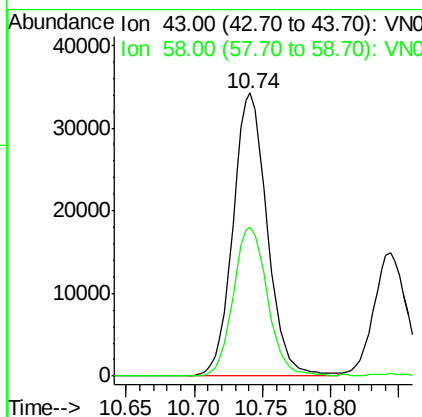
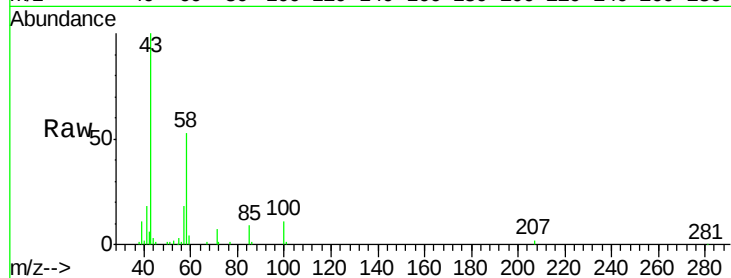
#59  
2-Hexanone  
Concen: 24.872 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 52.4  | 26.7  | 80.1  |

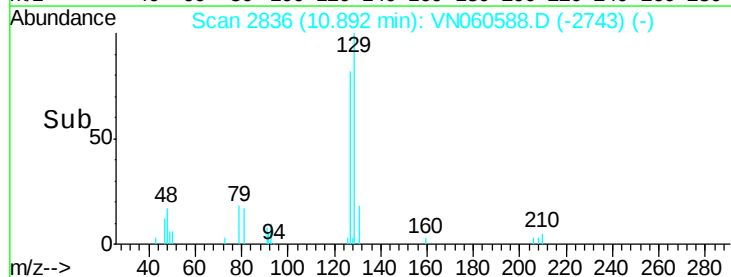
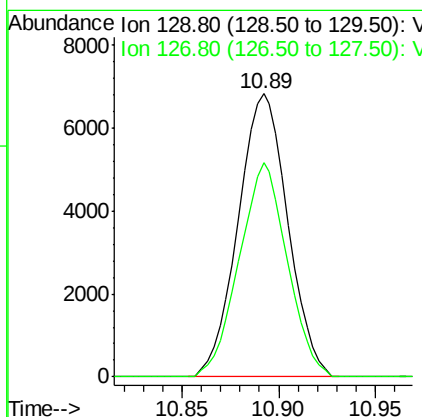
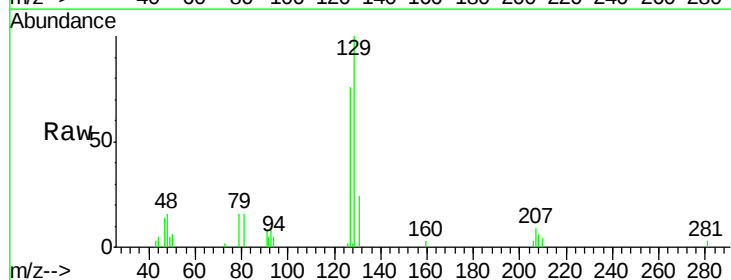
Manual Integrations  
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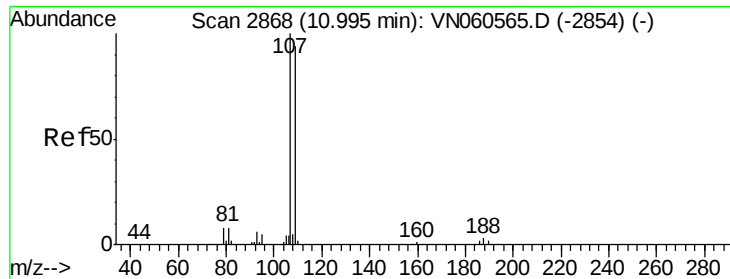
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 5.131 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 73.0  | 38.5  | 115.5 |





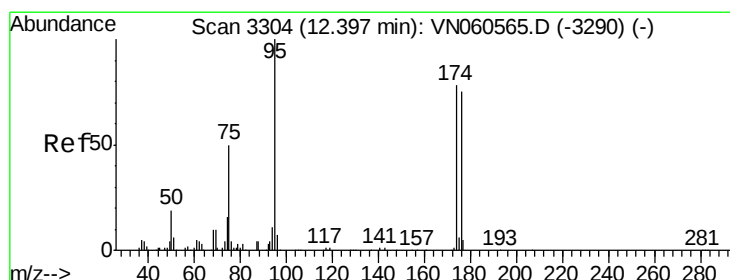
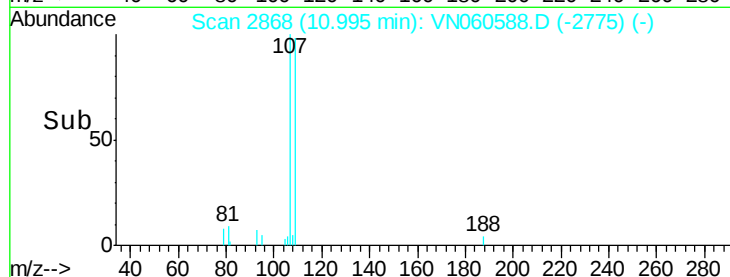
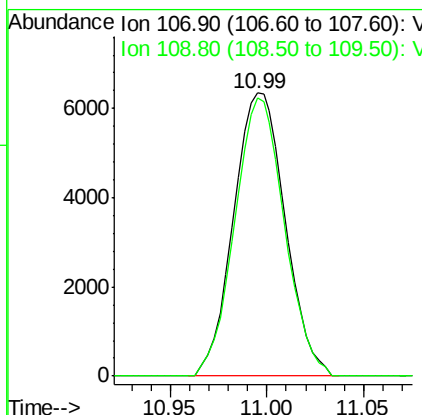
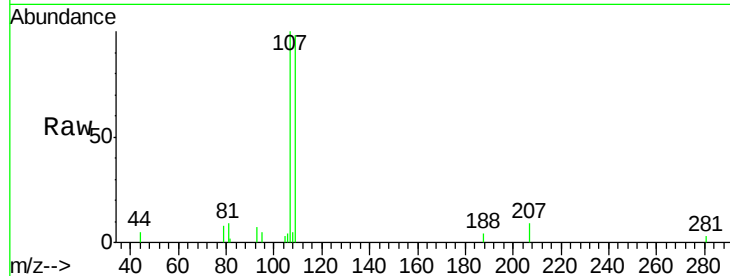
#61  
 1,2-Dibromoethane  
 Concen: 5.100 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2020

Tot Ion:107 Resp: 11786  
 Ion Ratio Lower Upper  
 107 100  
 109 94.7 75.4 113.2

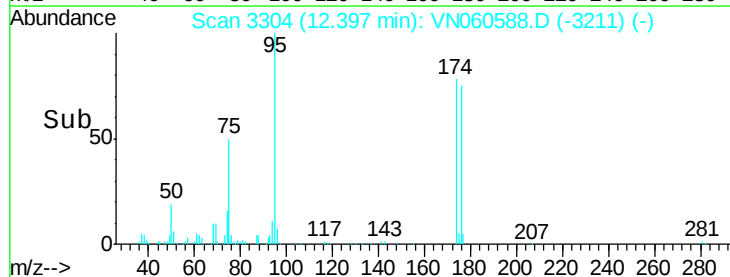
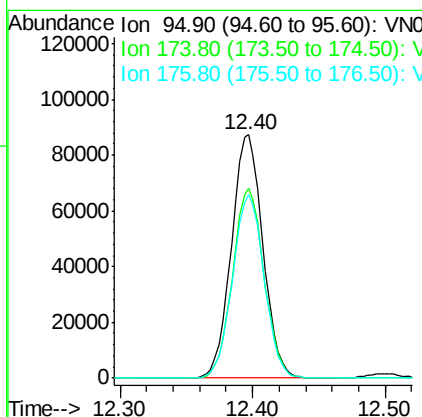
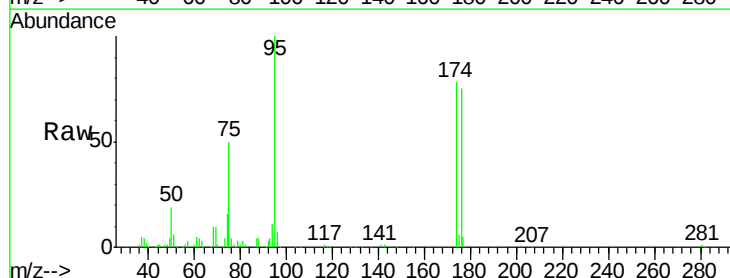
Manual Integrations  
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#62  
 4-Bromofluorobenzene  
 Concen: 46.894 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

Tgt Ion: 95 Resp: 143649  
 Ion Ratio Lower Upper  
 95 100  
 174 78.0 0.0 157.6  
 176 75.5 0.0 150.6





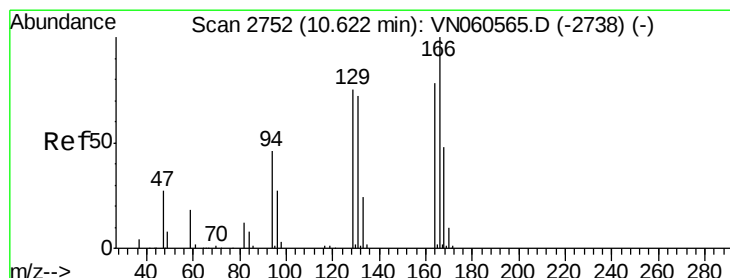
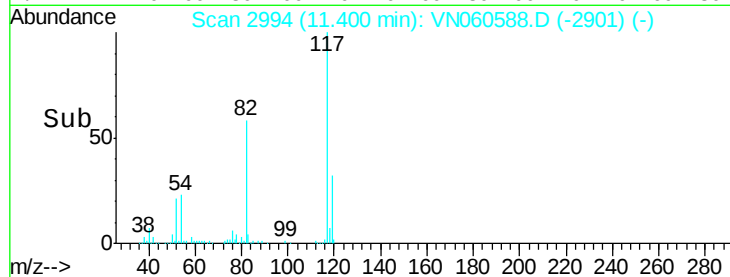
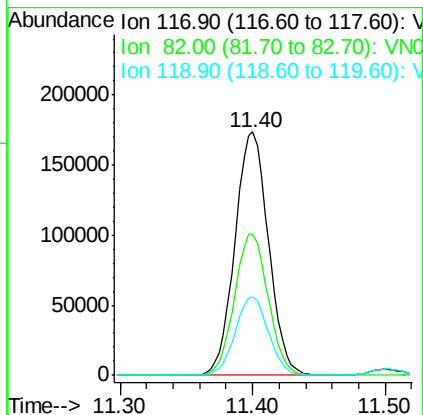
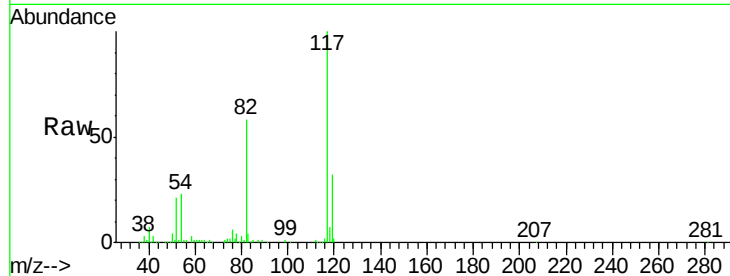
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 305272 |       |       |
| 82      | 58.2  | 46.7   | 70.1  |       |
| 119     | 32.4  | 25.5   | 38.3  |       |

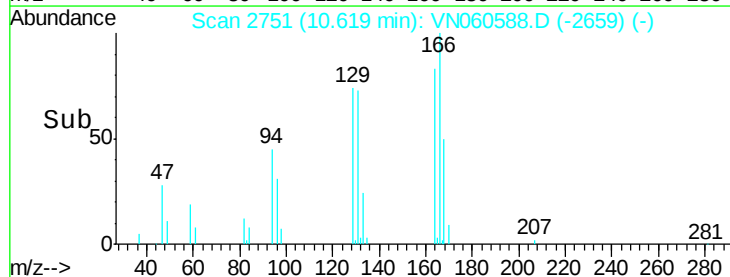
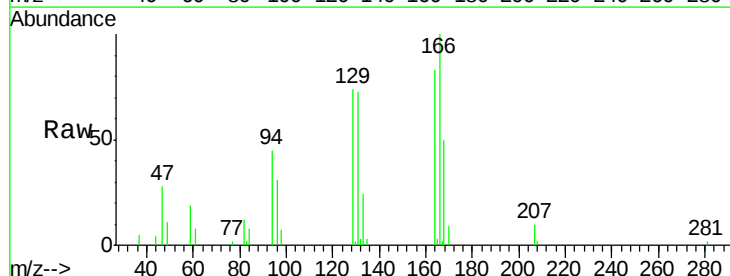
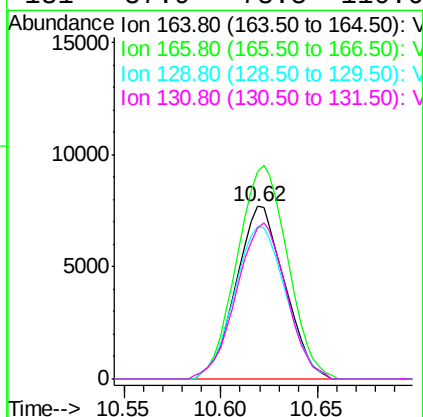
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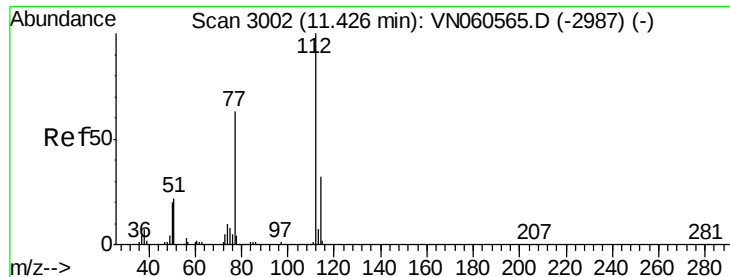
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#64  
Tetrachloroethene  
Concen: 5.590 ug/l  
RT: 10.62 min Scan# 2751  
Delta R.T. -0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 13428 |       |       |
| 166     | 120.0 | 102.7 | 154.1 |       |
| 129     | 88.3  | 77.2  | 115.8 |       |
| 131     | 87.9  | 73.8  | 110.6 |       |





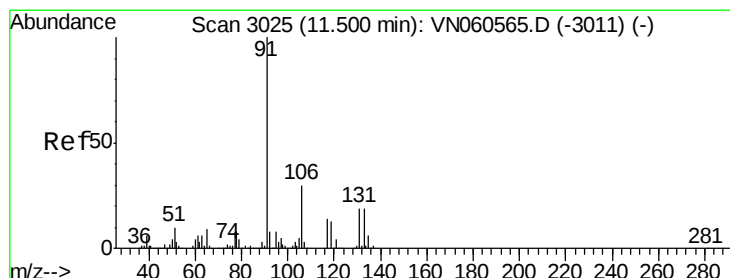
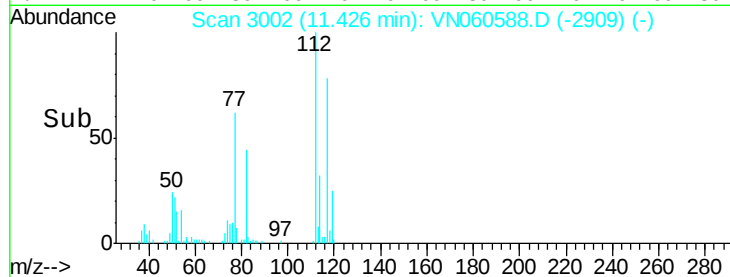
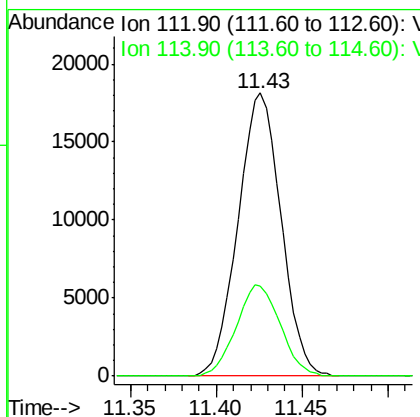
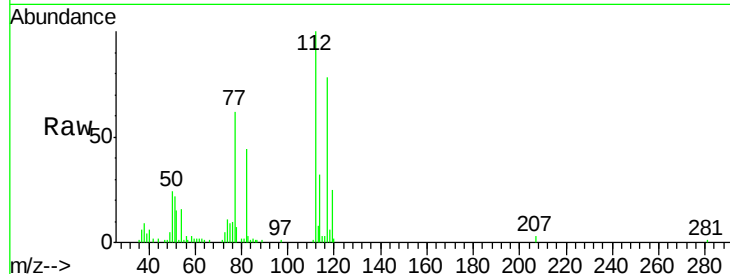
#65  
Chlorobenzene  
Concen: 5.206 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

Tot Ion:112 Resp: 31506  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.8 38.6

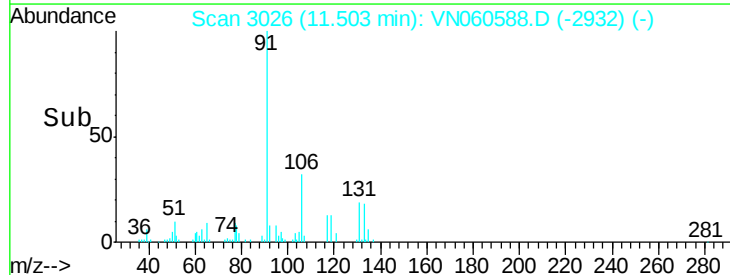
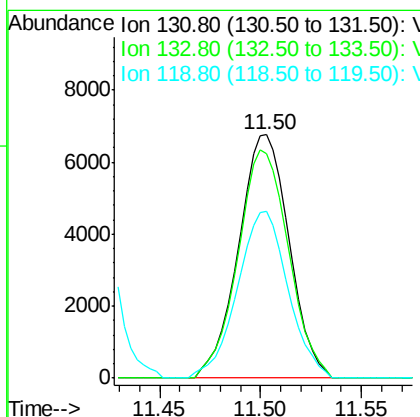
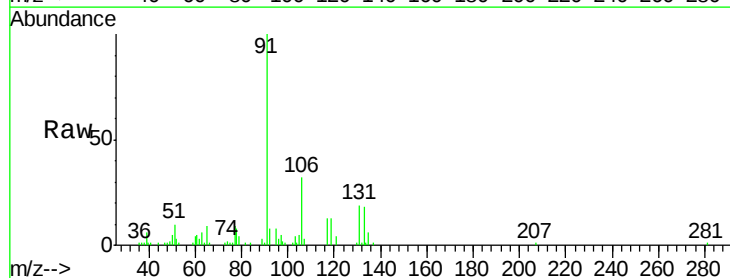
Manual Integrations  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 5.411 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Tgt Ion:131 Resp: 11856  
Ion Ratio Lower Upper  
131 100  
133 93.9 48.9 146.8  
119 68.5 33.9 101.7





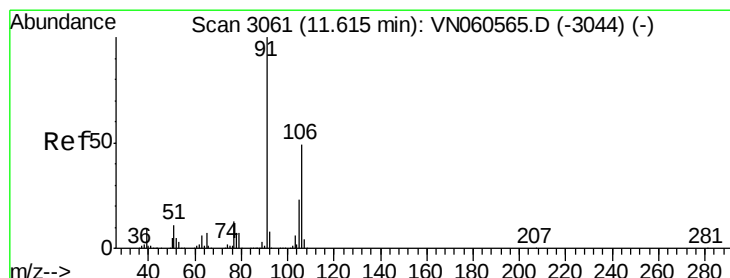
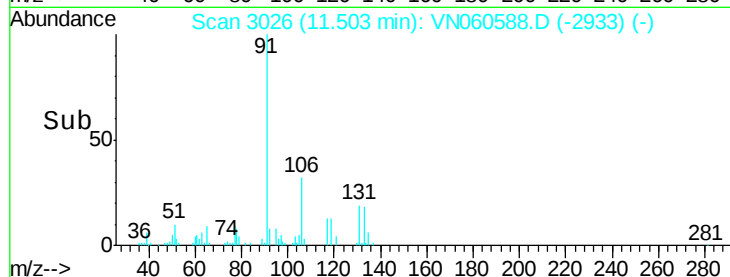
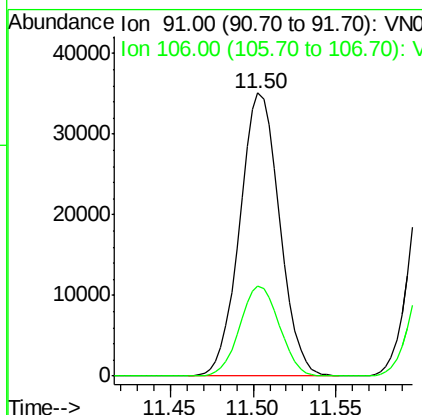
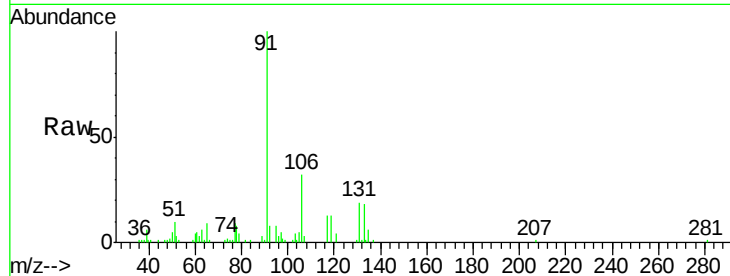
#67  
Ethyl Benzene  
Concen: 5.218 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

Tot Ion: 91 Resp: 58725  
Ion Ratio Lower Upper  
91 100  
106 31.8 24.2 36.2

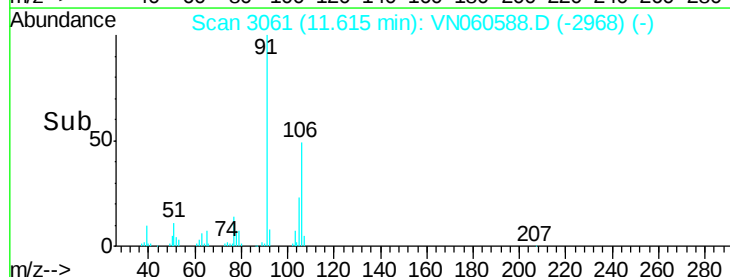
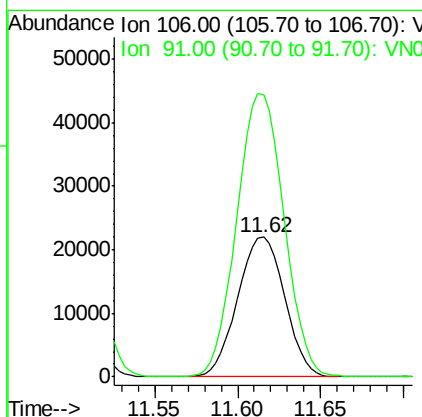
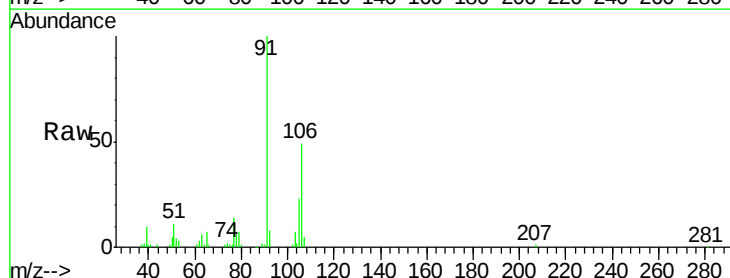
Manual Integrations  
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#68  
m/p-Xylenes  
Concen: 10.419 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Tgt Ion: 106 Resp: 43572  
Ion Ratio Lower Upper  
106 100  
91 203.9 165.0 247.4





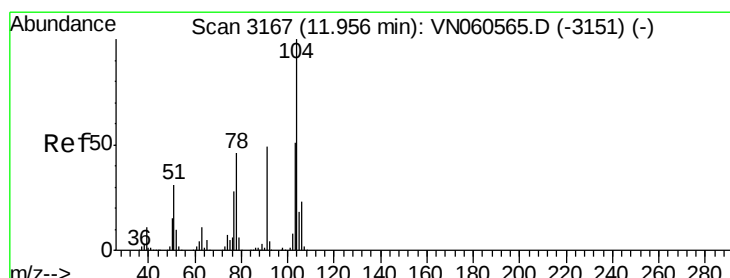
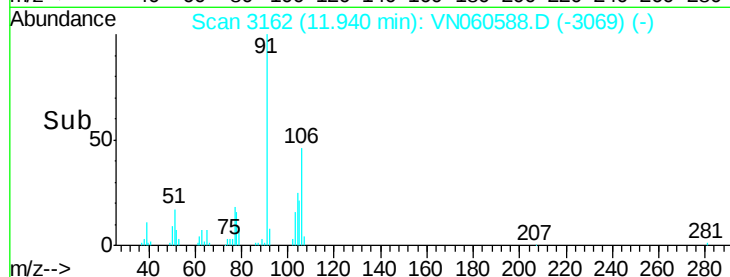
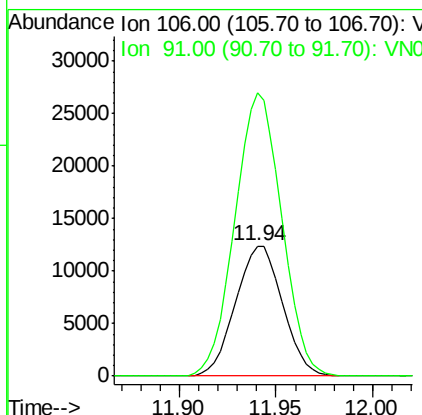
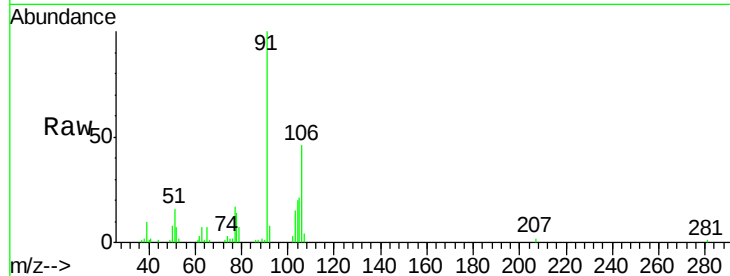
#69  
o-Xylene  
Concen: 5.251 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

Tot Ion:106 Resp: 20963  
Ion Ratio Lower Upper  
106 100  
91 216.3 109.5 328.4

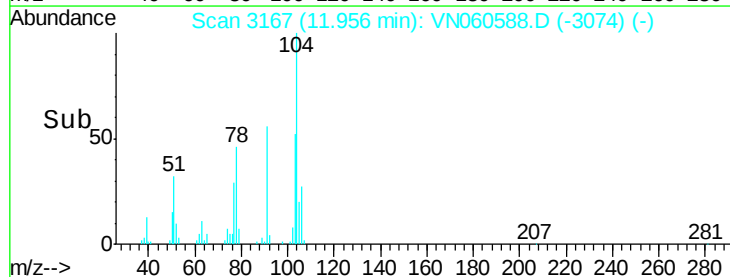
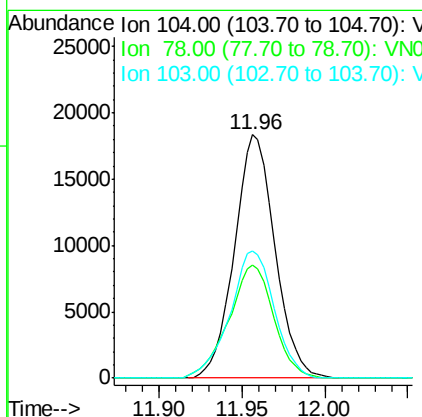
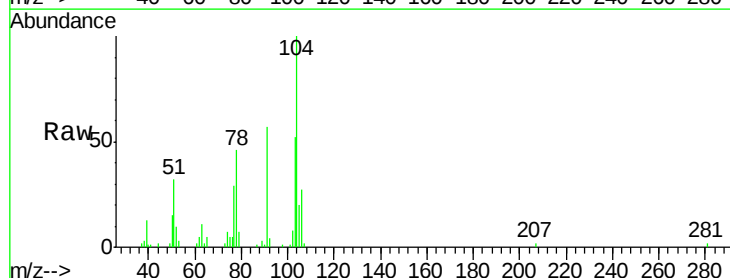
Manual Integrations  
APPROVED

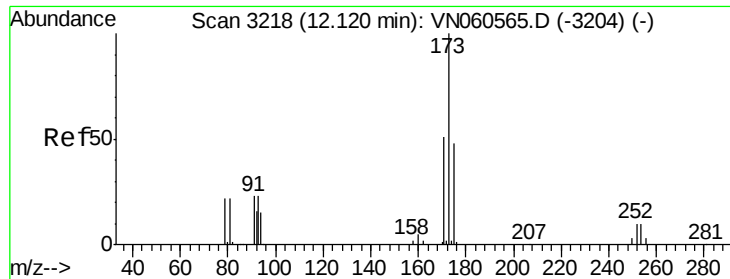
MMDadoda  
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#70  
Styrene  
Concen: 4.772 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Tgt Ion:104 Resp: 31157  
Ion Ratio Lower Upper  
104 100  
78 51.4 41.2 61.8  
103 57.0 44.0 66.0





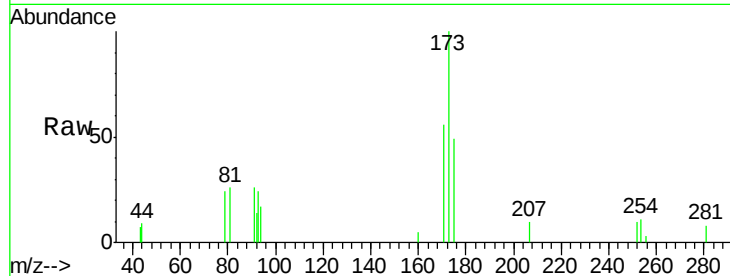
#71  
Bromoform  
Concen: 4.778 ug/l  
RT: 12.12 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

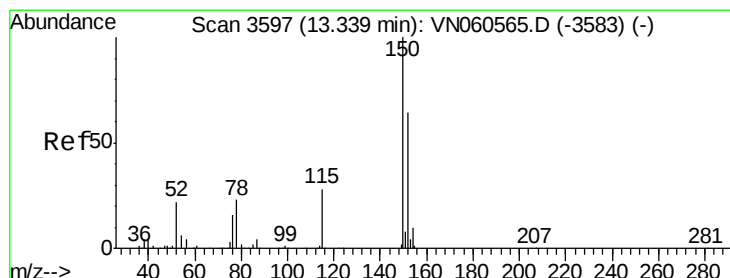
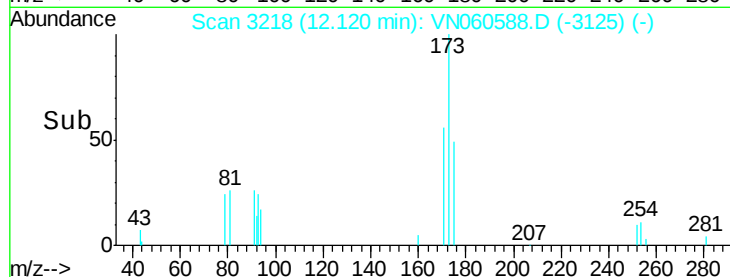
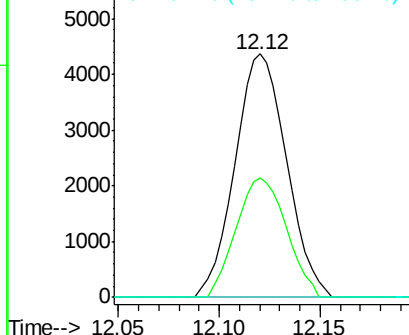
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.6  | 24.1  | 72.4  |
| 254     | 0.0   | 0.0   | 0.0   |

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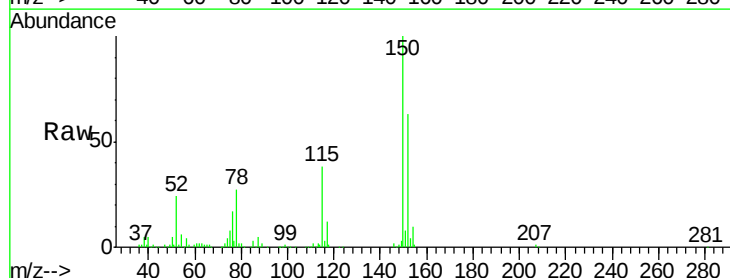


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

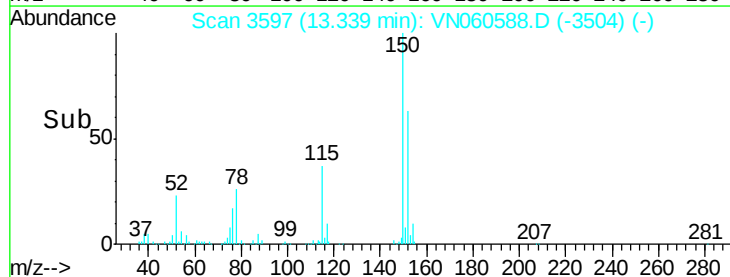
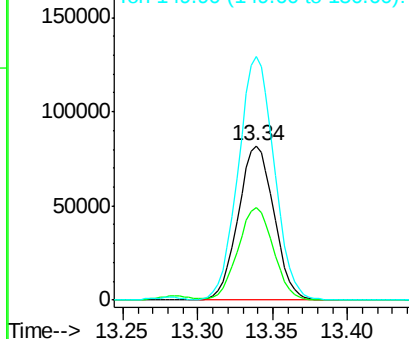


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.5  | 30.2  | 90.6  |
| 150     | 158.3 | 0.0   | 350.2 |



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





#73

Isopropylbenzene

Concen: 5.413 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 105 Resp: 55335

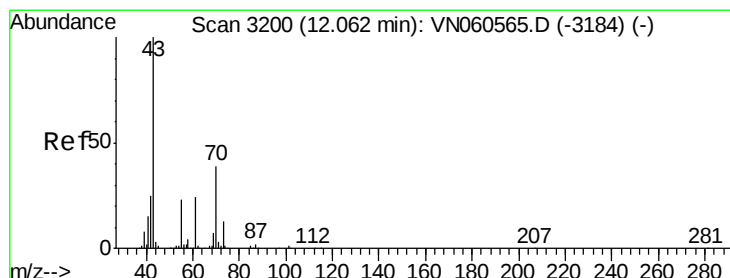
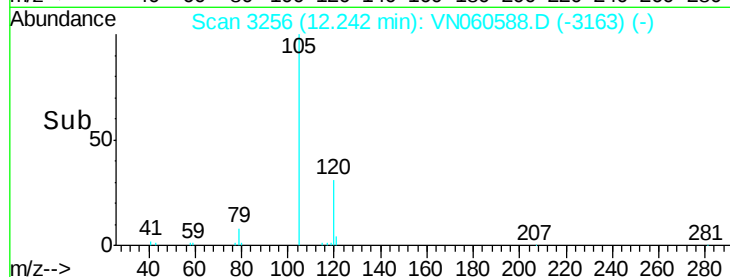
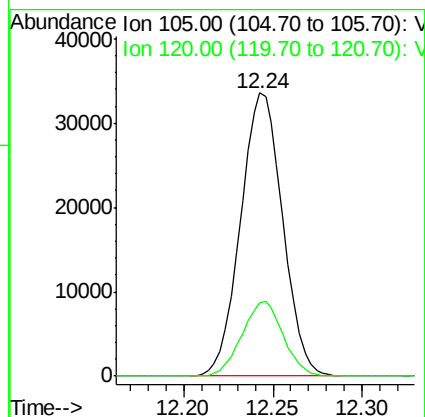
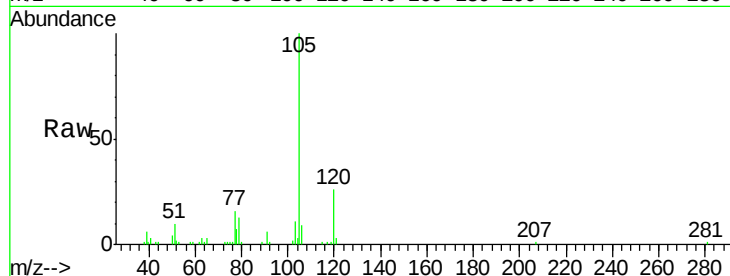
Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1

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#74

N-ethyl acetate

Concen: 5.070 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Tgt Ion: 43 Resp: 23949

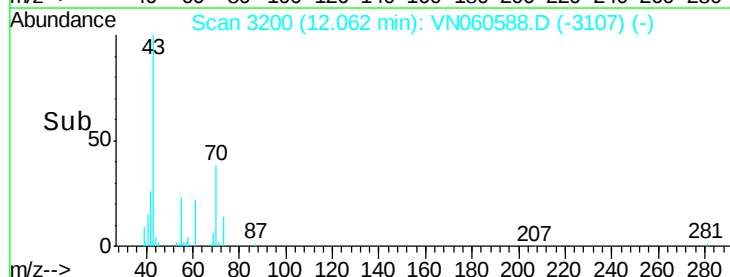
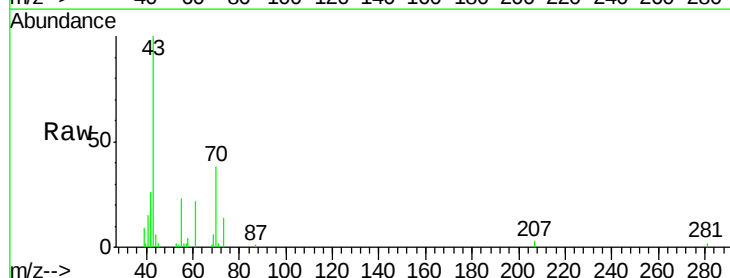
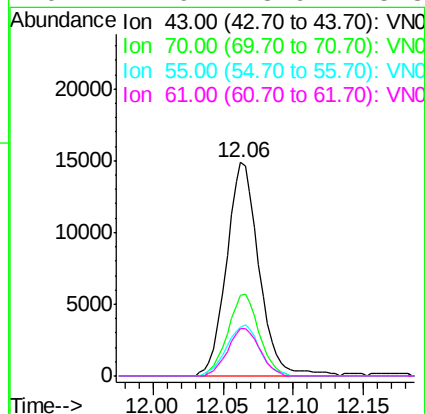
Ion Ratio Lower Upper

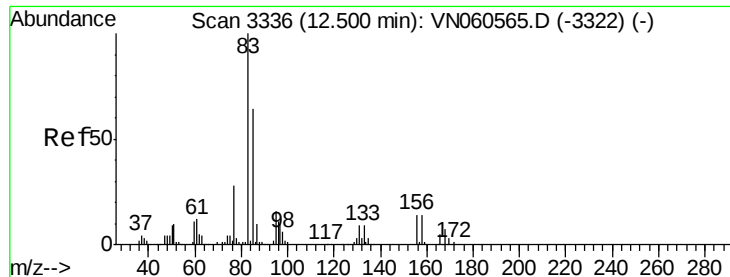
43 100

70 36.7 31.1 46.7

55 24.0 18.6 27.8

61 21.9 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 5.391 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

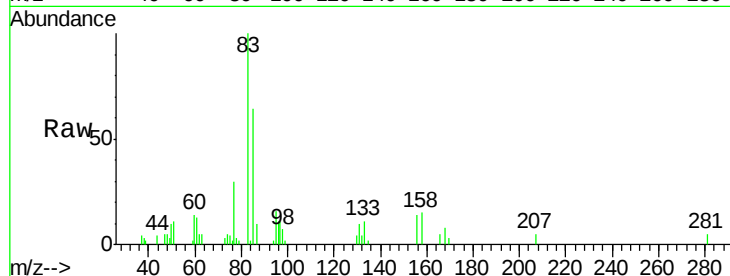
ClientSampleId :

LOQ-WATER-02-QT1-2020

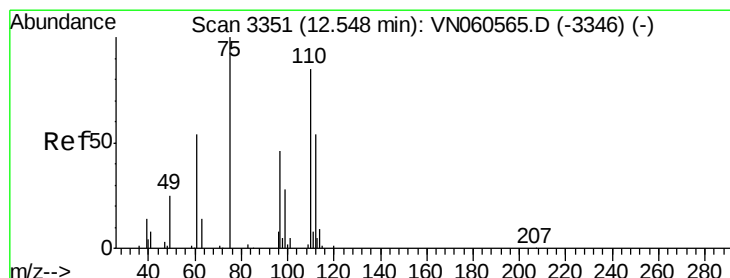
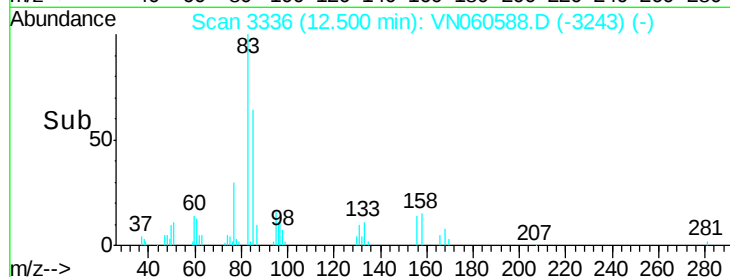
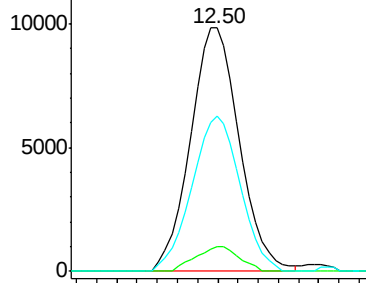
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 16667 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.0   | 4.9   | 14.7  |
| 85        | 62.9  | 32.5  | 97.4  |

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Abundance Ion 82.90 (82.60 to 83.60): VN060588.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 5.354 ug/l m

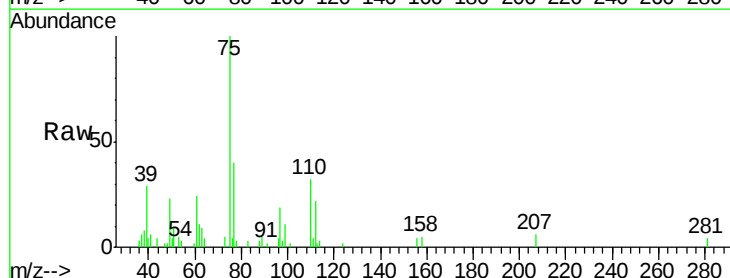
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

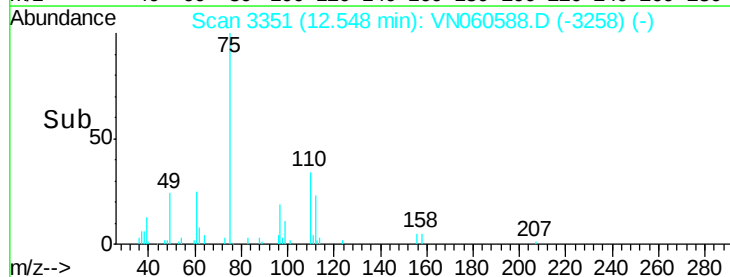
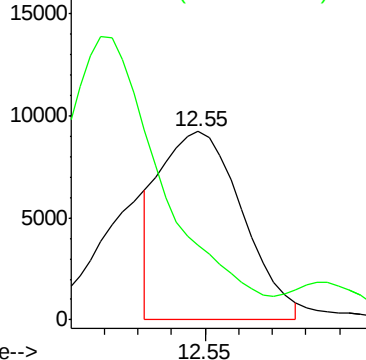
Lab File: VN060588.D

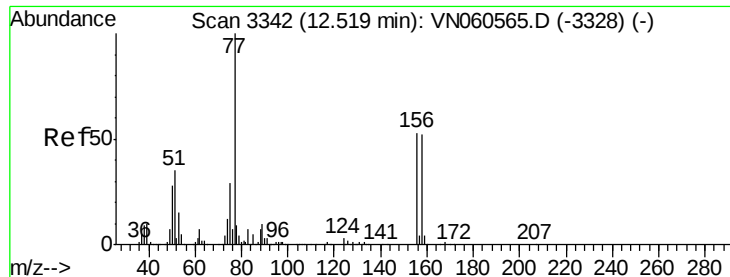
Acq: 18 Mar 2020 13:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 15738 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |



Abundance Ion 74.90 (74.60 to 75.60): VN060588.D (-3258) (-)





#77

Bromobenzene

Concen: 5.333 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:156 Resp: 13137

Ion Ratio Lower Upper

156 100

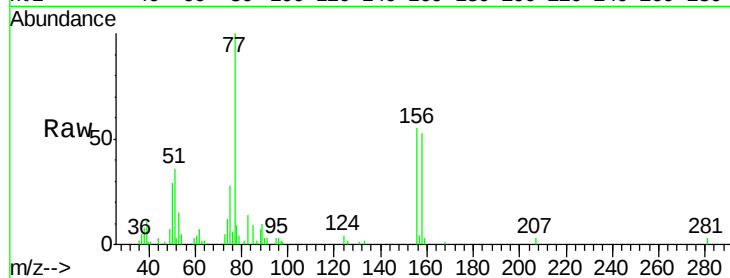
77 224.2 112.3 337.0

158 97.8 48.6 145.8

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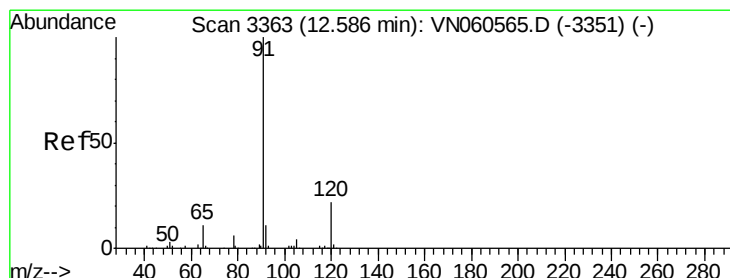
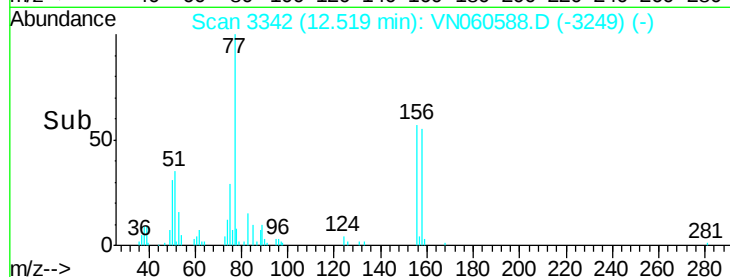
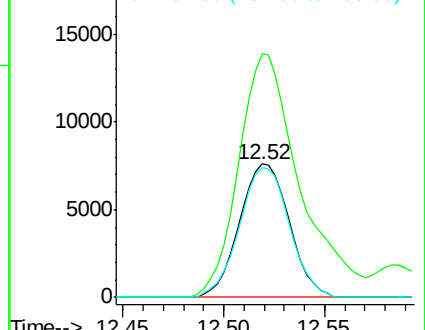
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.272 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060588.D

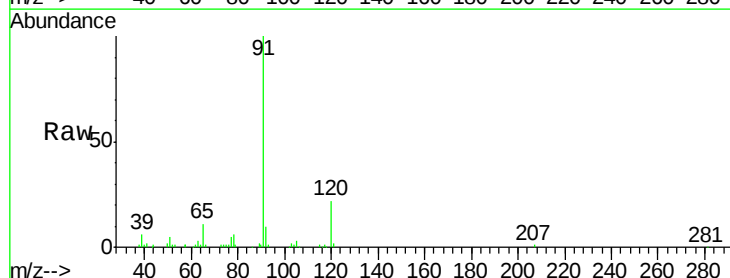
Acq: 18 Mar 2020 13:47

Tgt Ion: 91 Resp: 63670

Ion Ratio Lower Upper

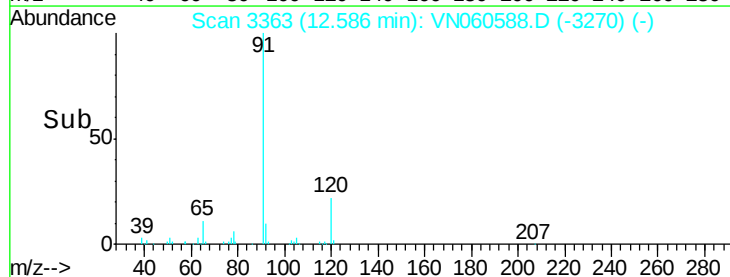
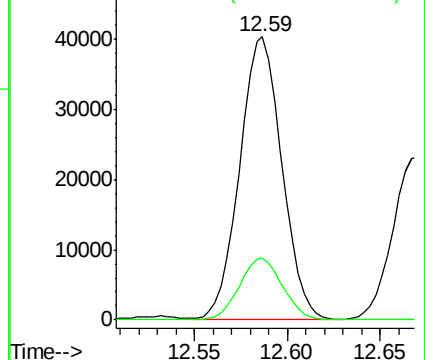
91 100

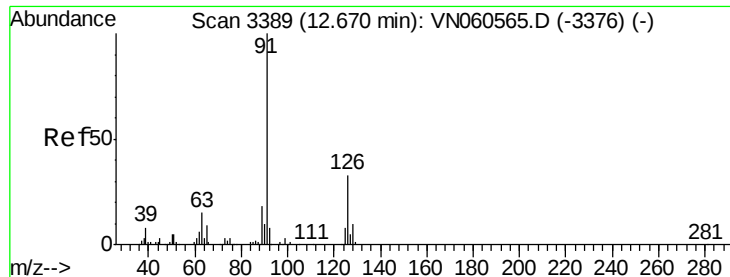
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





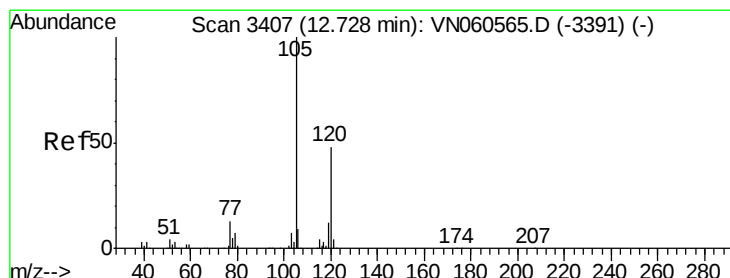
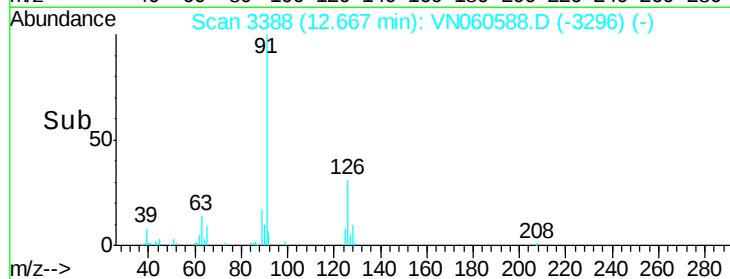
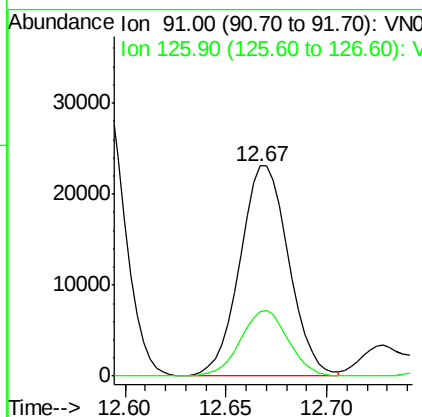
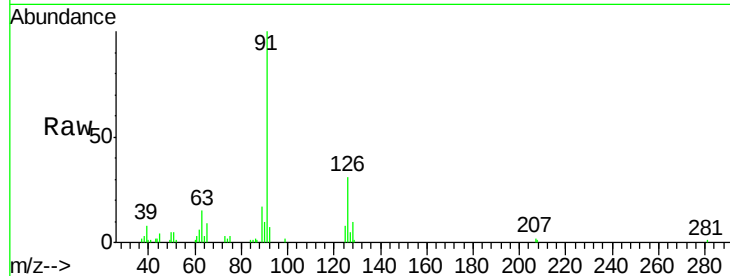
#79  
2-Chlorotoluene  
Concen: 5.440 ug/l  
RT: 12.67 min Scan# 3388  
Delta R.T. -0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.5  | 16.4  | 49.1  |

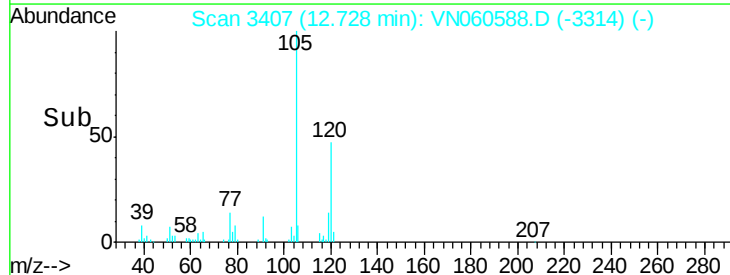
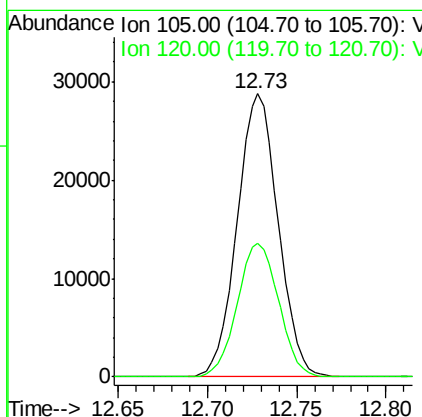
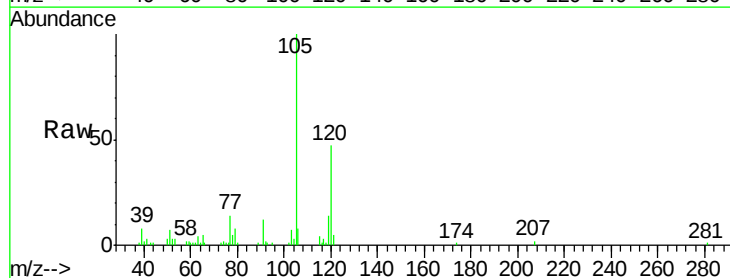
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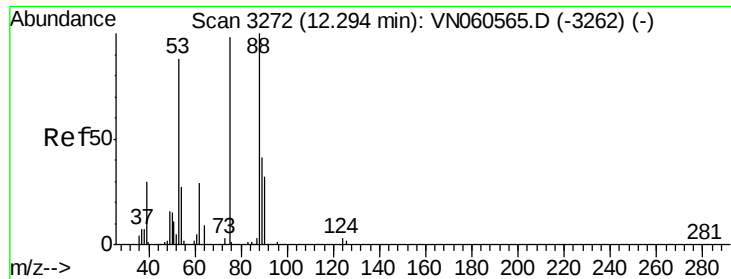
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#80  
1,3,5-Trimethylbenzene  
Concen: 5.312 ug/l  
RT: 12.73 min Scan# 3407  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.5  | 23.9  | 71.7  |





#81

trans-1,4-Dichloro-2-butene

Concen: 4.846 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

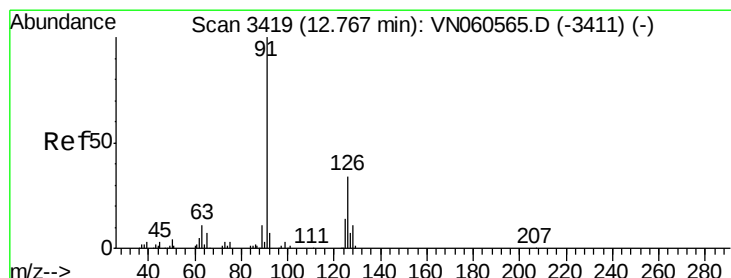
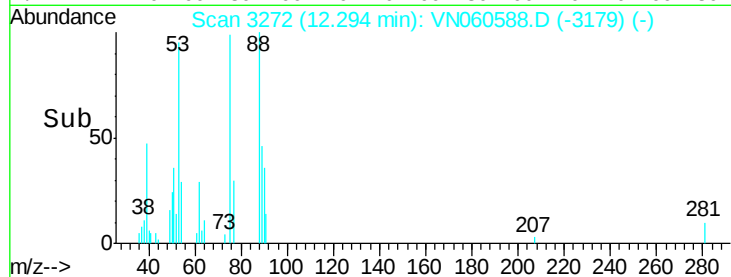
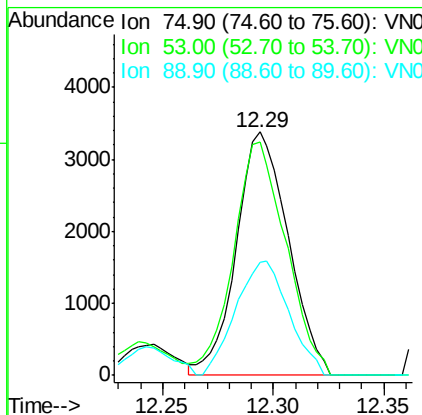
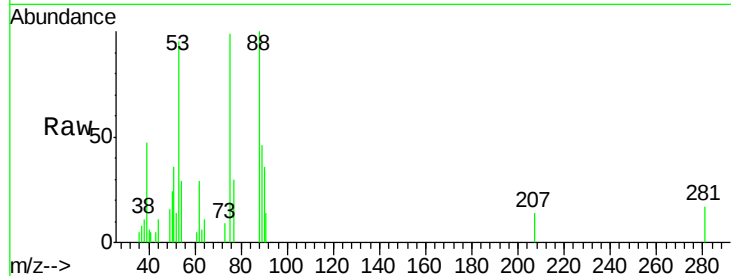
ClientSampleId :

LOQ-WATER-02-QT1-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 5546  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 96.9  | 73.0  | 109.4 |
| 89       | 47.7  | 34.8  | 52.2  |

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#82

4-Chlorotoluene

Concen: 5.309 ug/l

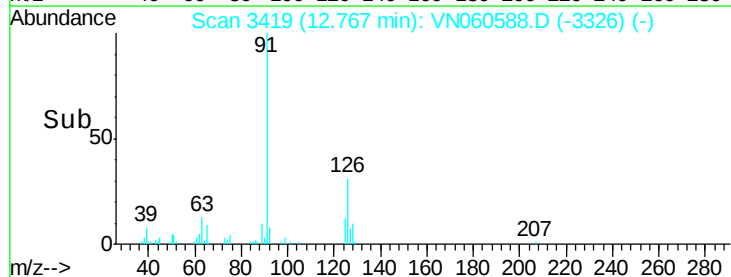
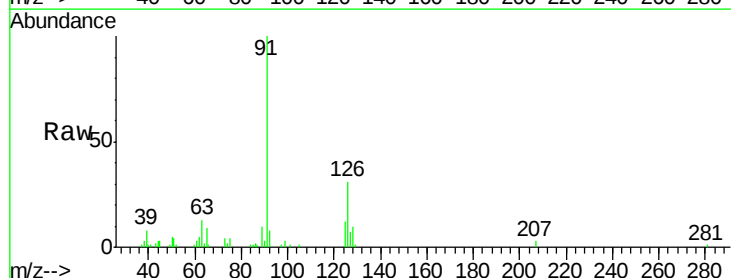
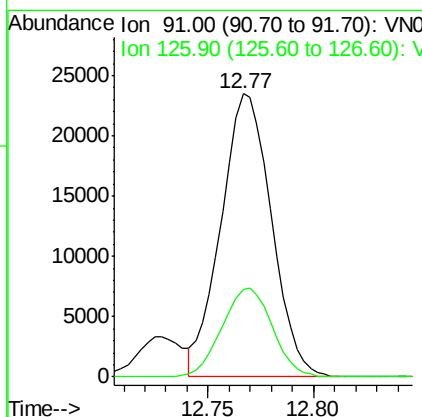
RT: 12.77 min Scan# 3419

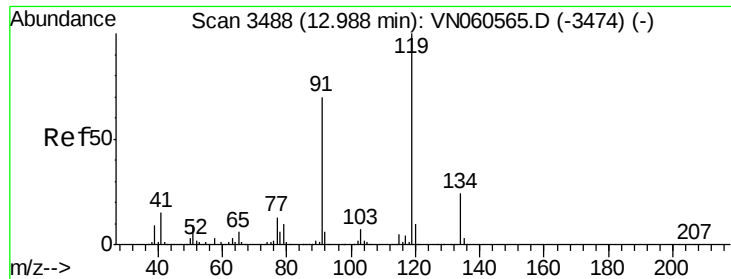
Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 39022 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 31.3  | 16.2  | 48.5  |





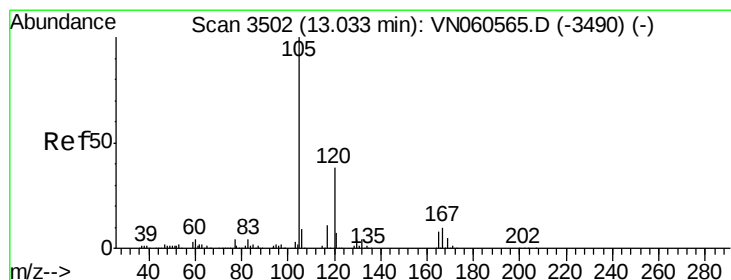
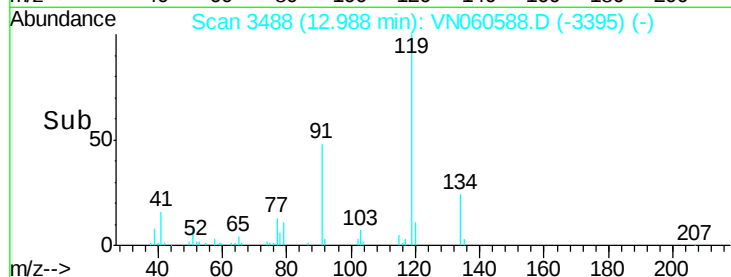
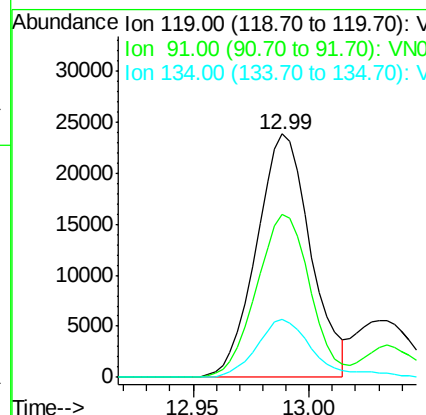
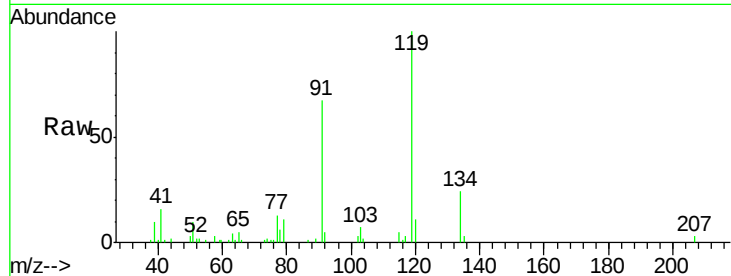
#83  
 tert-Butylbenzene  
 Concen: 5.389 ug/l  
 RT: 12.99 min Scan# 3488  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 66.6  | 34.0  | 101.8 |
| 134     | 23.7  | 12.7  | 38.0  |

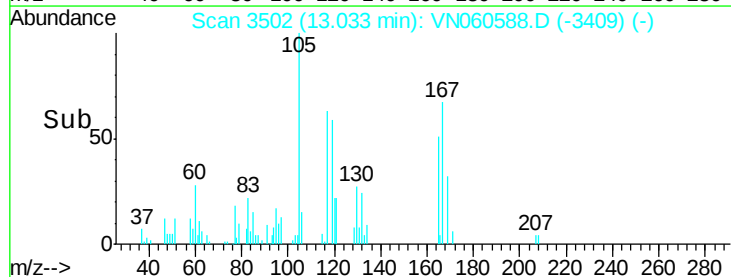
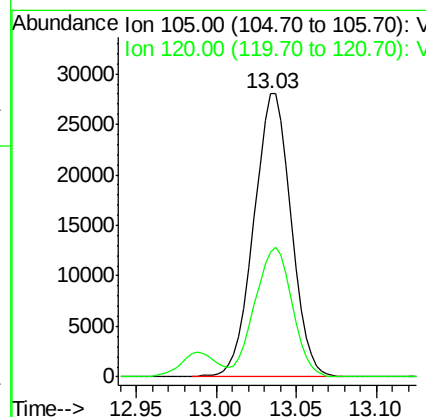
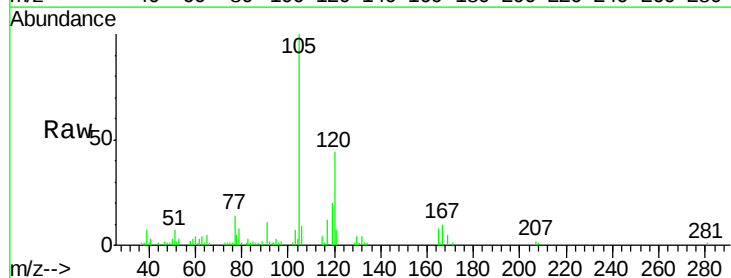
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 5.221 ug/l  
 RT: 13.03 min Scan# 3502  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.8  | 22.1  | 66.5  |





#85

sec-Butylbenzene

Concen: 5.303 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:105 Resp: 51282

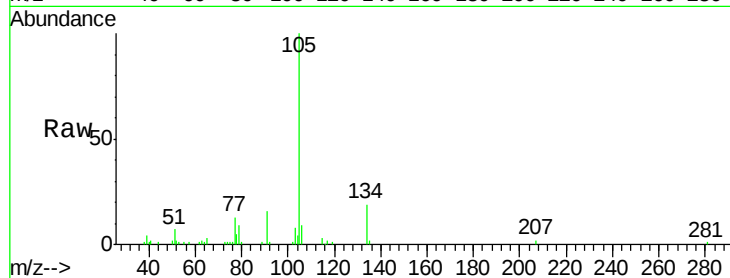
Ion Ratio Lower Upper

105 100

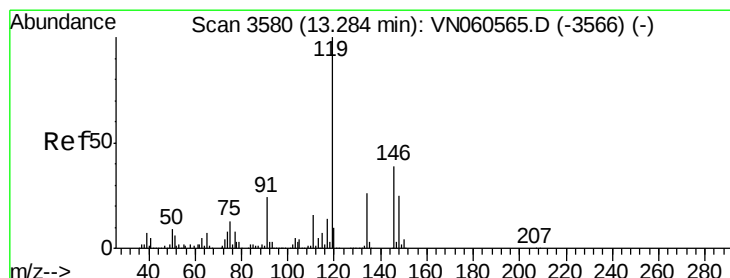
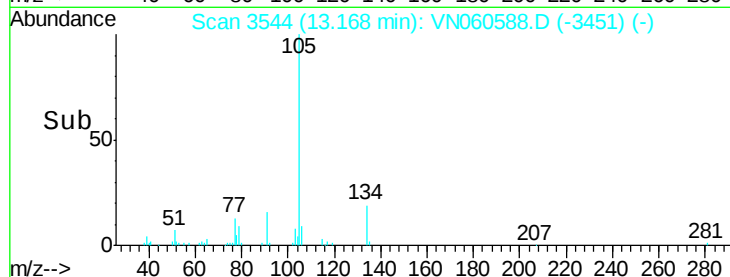
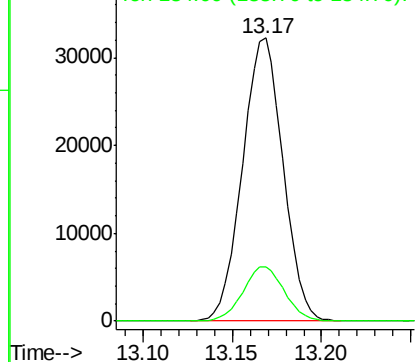
134 19.5 9.6 28.8

Manual Integrations  
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Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.109 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

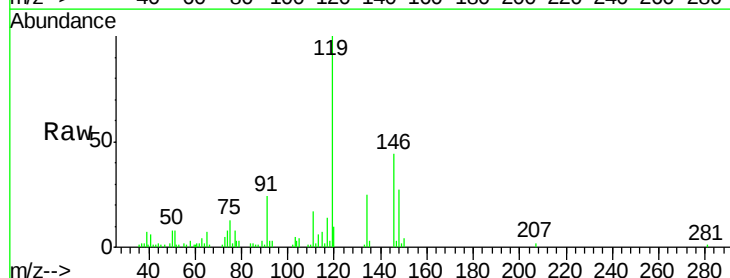
Tgt Ion:119 Resp: 44434

Ion Ratio Lower Upper

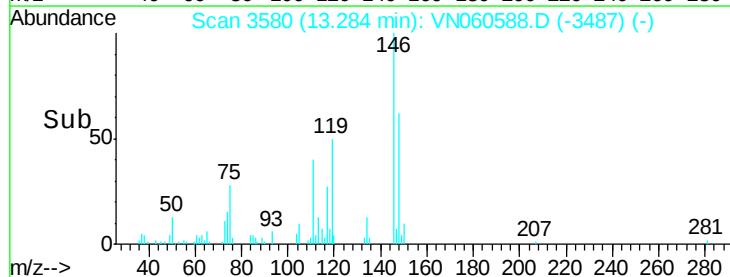
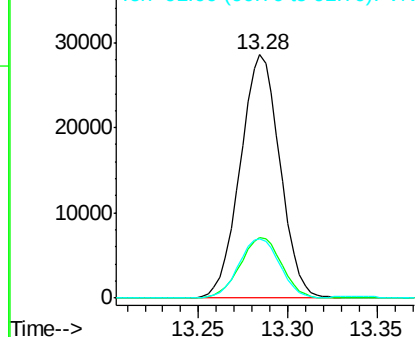
119 100

134 26.0 13.0 39.0

91 25.2 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 134.00 (133.70 to 134.70): V  
Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.414 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

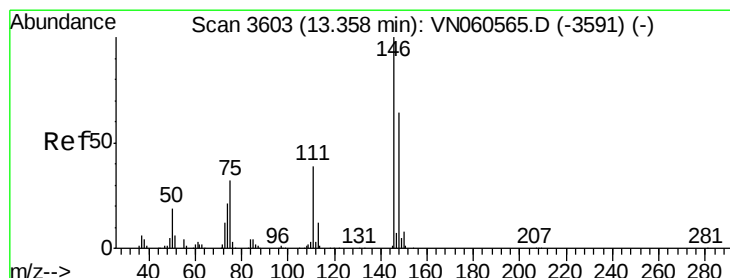
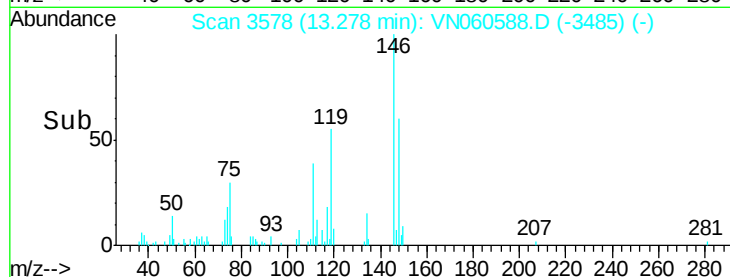
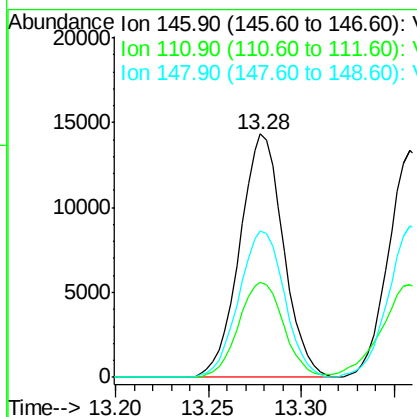
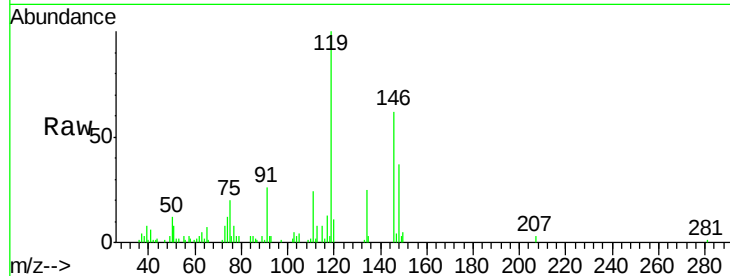
Instrument :  
MSVOA\_N

ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 20.3  | 60.8  |
| 148     | 62.6  | 32.5  | 97.4  |

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#88

1,4-Dichlorobenzene

Concen: 5.104 ug/l

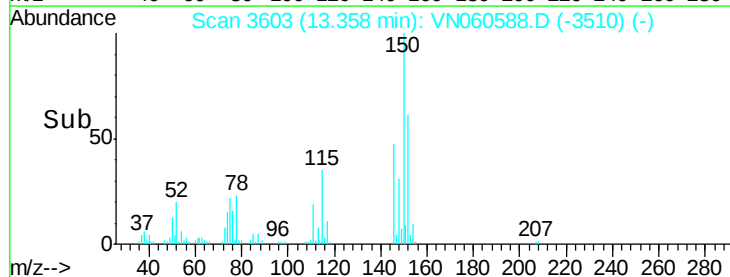
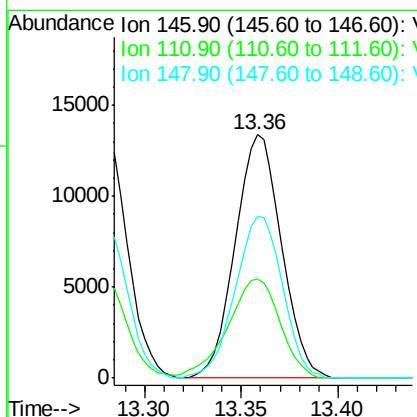
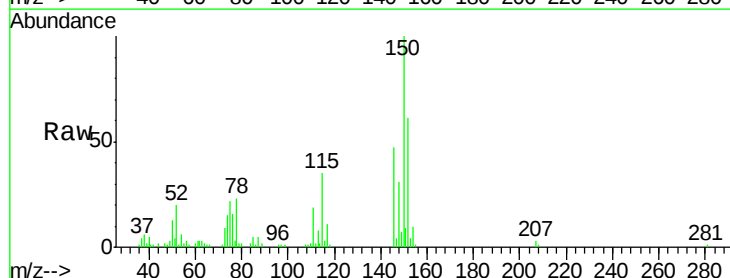
RT: 13.36 min Scan# 3603

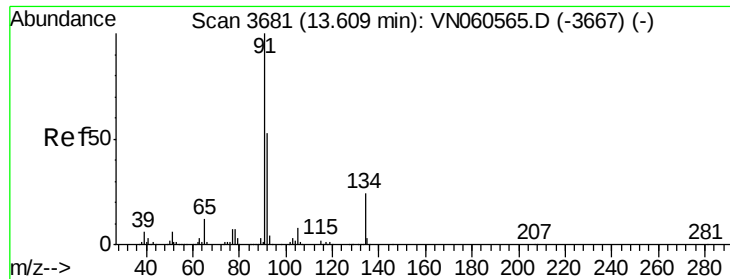
Delta R.T. 0.00 min

Lab File: VN060588.D

Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 46.3  | 19.6  | 58.7  |
| 148     | 68.0  | 32.1  | 96.3  |





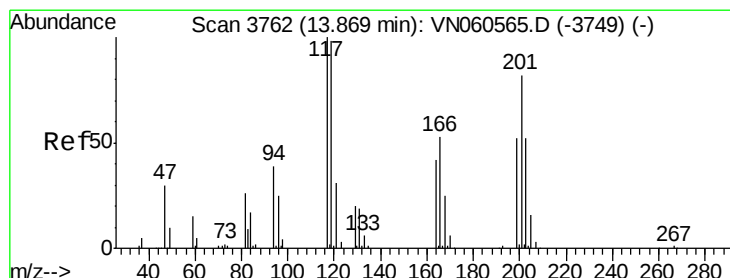
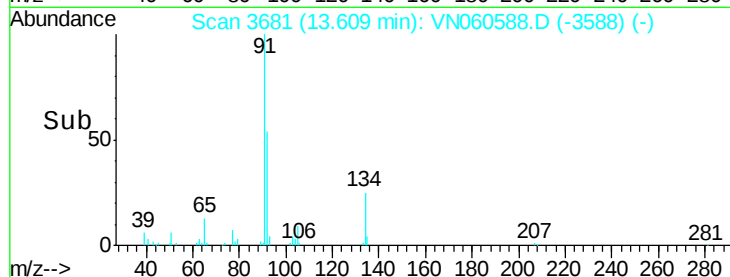
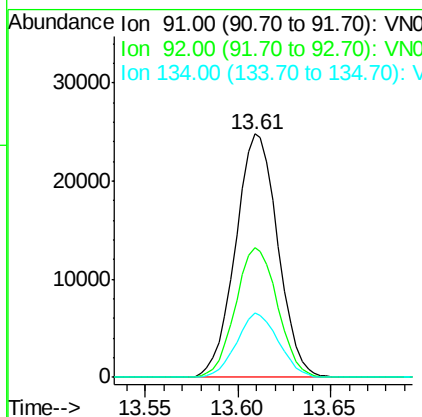
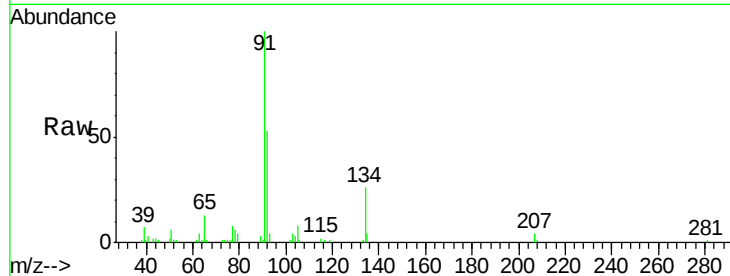
#89  
n-Butylbenzene  
Concen: 4.988 ug/l  
RT: 13.61 min Scan# 3681  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.0  | 26.2  | 78.5  |
| 134     | 25.9  | 12.3  | 36.9  |

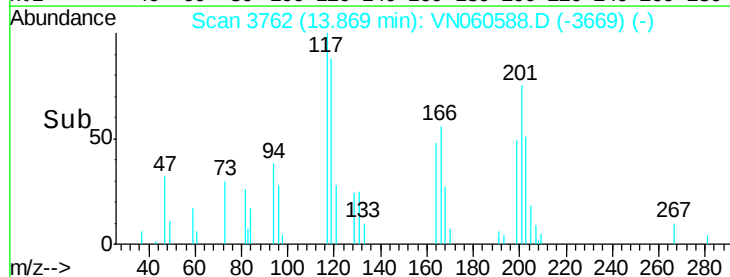
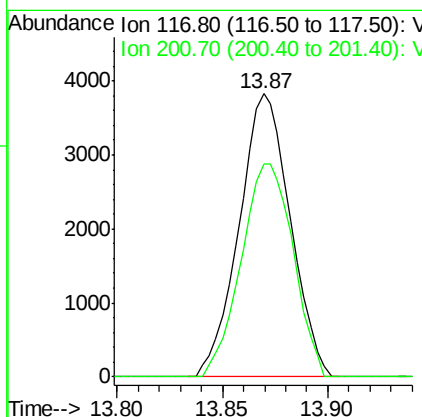
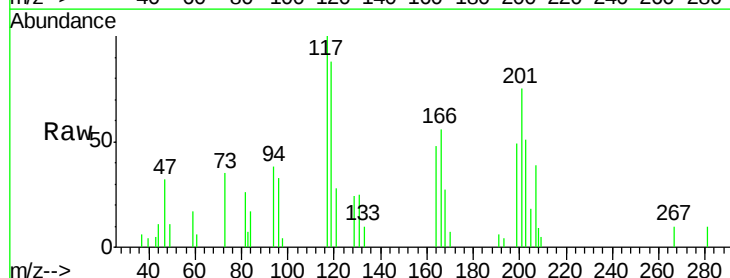
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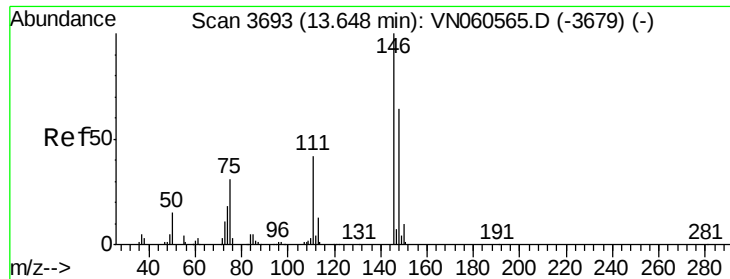
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#90  
Hexachloroethane  
Concen: 5.095 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 76.3  | 40.8  | 122.5 |





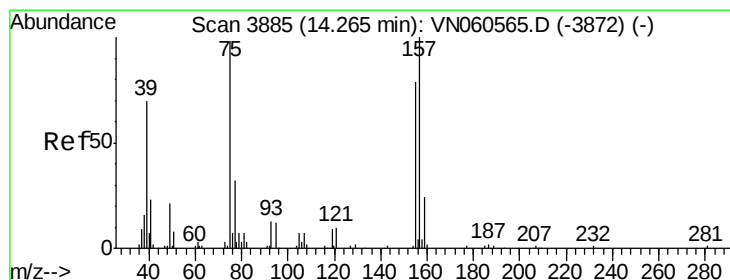
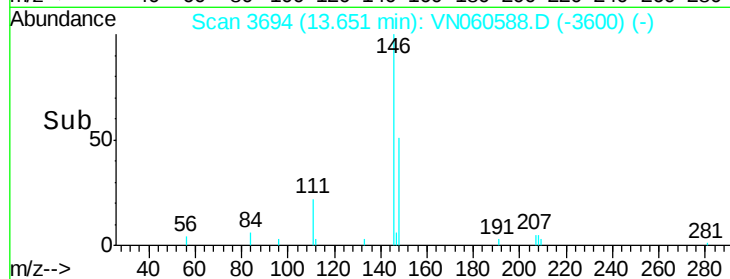
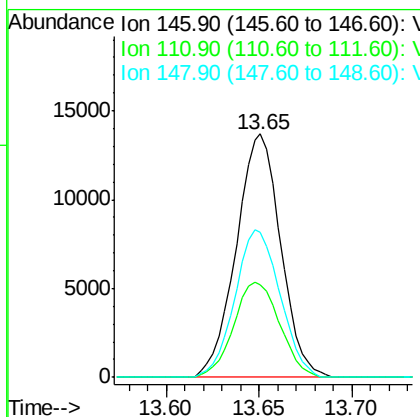
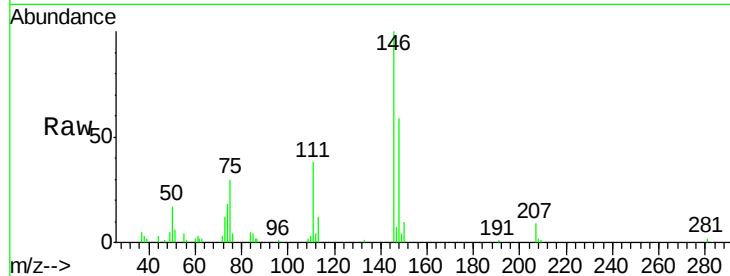
#91  
 1,2-Dichlorobenzene  
 Concen: 5.477 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.6  | 21.0  | 63.0  |
| 148     | 61.4  | 31.9  | 95.5  |

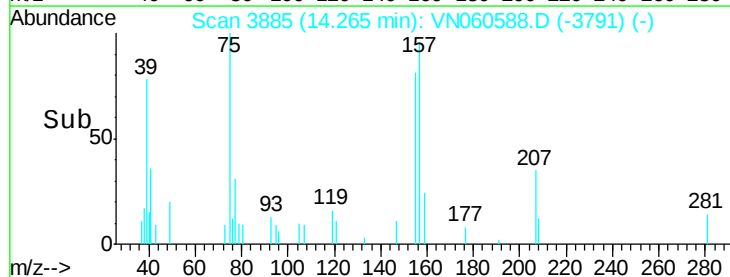
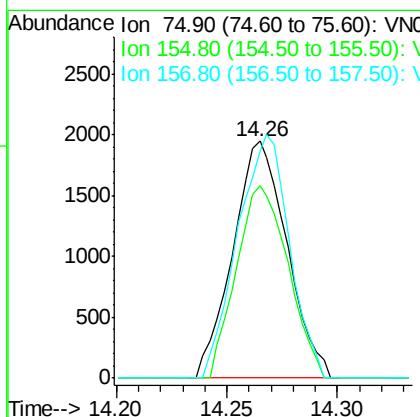
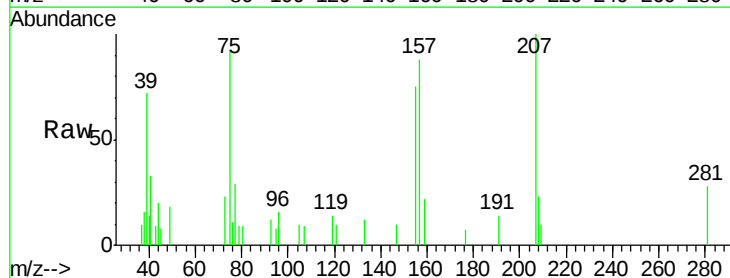
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 4.786 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 77.5  | 40.7  | 122.1 |
| 157     | 98.3  | 51.5  | 154.7 |





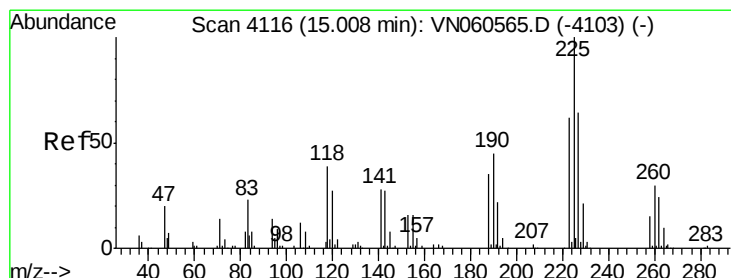
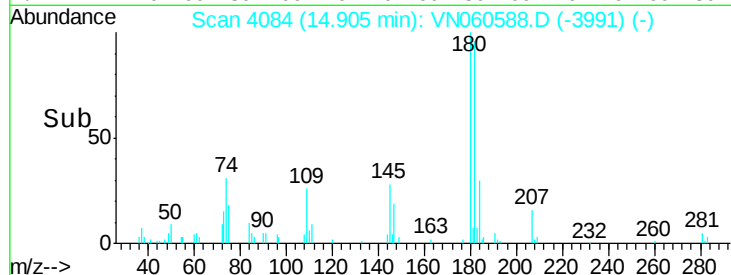
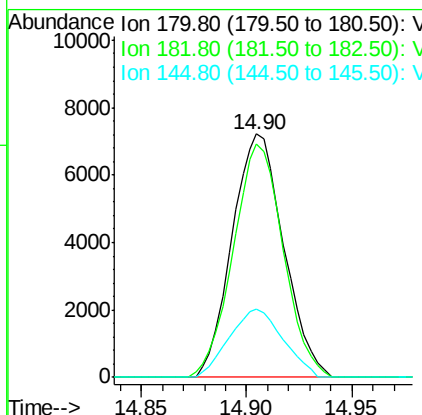
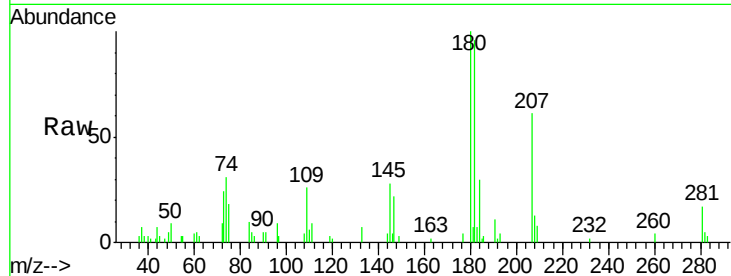
#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.791 ug/l  
 RT: 14.90 min Scan# 4084  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.1  | 47.9  | 143.8 |
| 145     | 29.3  | 15.4  | 46.2  |

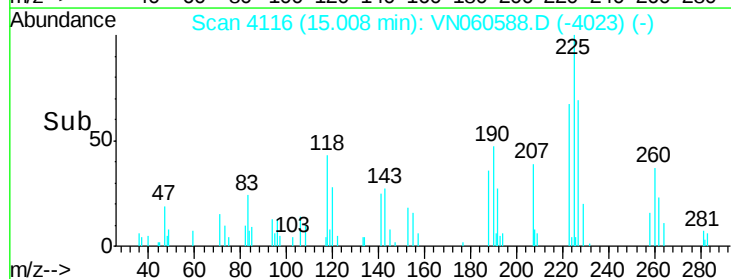
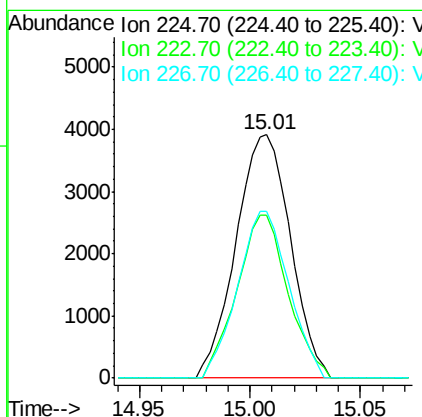
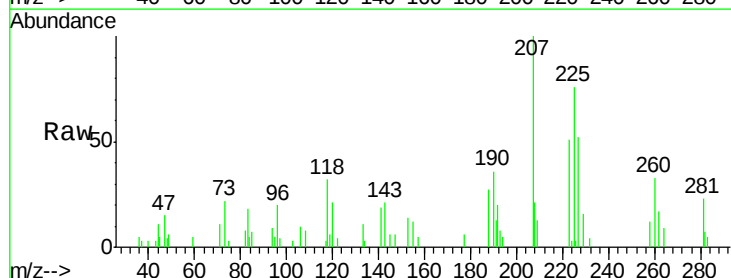
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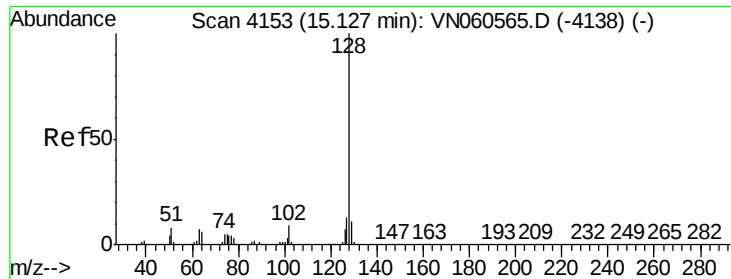
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#94  
 Hexachlorobutadiene  
 Concen: 5.369 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN060588.D  
 Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.0  | 31.6  | 95.0  |
| 227     | 64.3  | 32.3  | 96.8  |





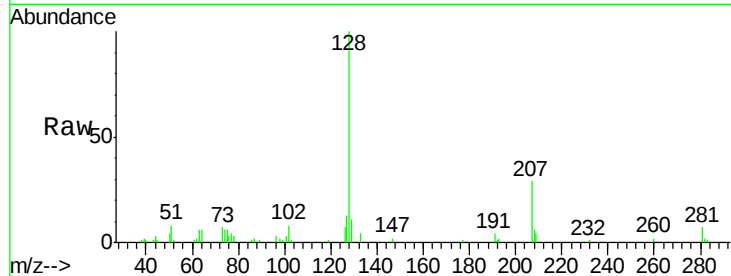
#95  
Naphthalene  
Concen: 4.334 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 10.2  | 15.2  |
| 129     | 10.8  | 8.8   | 13.2  |

Manual Integrations  
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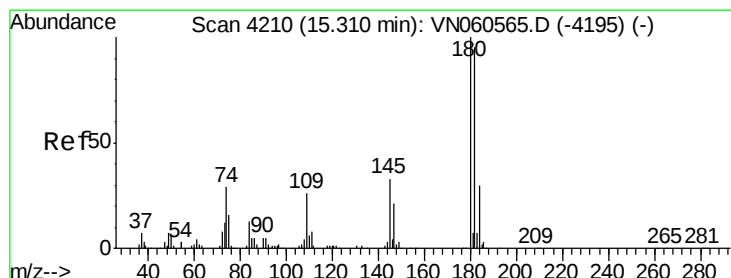
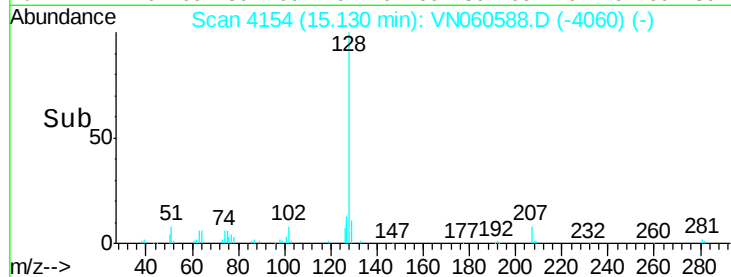
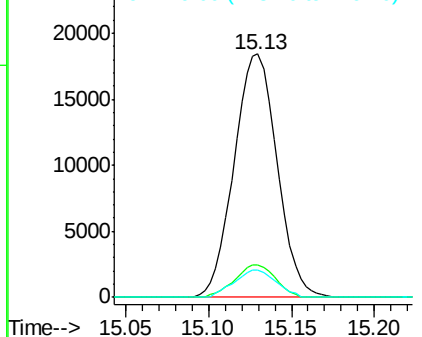


Abundance

Ion 128.00 (127.70 to 128.70): V

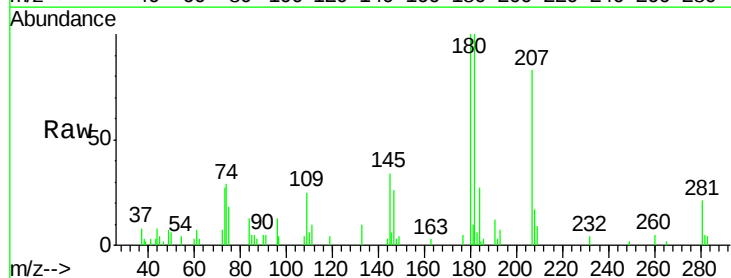
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 4.756 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. 0.00 min  
Lab File: VN060588.D  
Acq: 18 Mar 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 47.5  | 142.6 |
| 145     | 32.4  | 16.3  | 48.8  |



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

