

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\  
 Data File : VN058677.D  
 Acq On : 10 Oct 2019 20:24  
 Operator : JC/SP  
 Sample : K5111-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

Manual Integrations  
 APPROVED

MMDadoda  
 10/11/2019 2:47:33 PM

Quant Time: Oct 11 08:51:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Oct 11 04:26:47 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.18  | 128  | 70125    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.57  | 114  | 394450   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 353817   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.01   | 65    | 186625   | 31.36    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 104.53% |
| 60) 4-Bromofluorobenzene  | 12.41  | 95    | 176927   | 28.59    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 95.30%  |
| 63) Toluene-d8            | 10.08  | 98    | 502121   | 30.06    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 100.20% |

## Target Compounds

|                               |      |     |        |             | Ovalue |
|-------------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane    | 1.84 | 85  | 20295  | 5.342 ug/l  | 100    |
| 3) Chloromethane              | 2.04 | 50  | 29338  | 5.781 ug/l  | 97     |
| 4) Vinyl Chloride             | 2.17 | 62  | 29266  | 5.579 ug/l  | 95     |
| 5) Bromomethane               | 2.54 | 94  | 19208  | 5.931 ug/l  | 95     |
| 6) Chloroethane               | 2.68 | 64  | 18761  | 5.690 ug/l  | 98     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 37954  | 5.879 ug/l  | 97     |
| 8) Diethyl Ether              | 3.39 | 74  | 13721  | 5.572 ug/l  | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 21321  | 5.707 ug/l  | 98     |
| 10) 1,1-Dichloroethene        | 3.72 | 96  | 20001  | 5.451 ug/l  | 86     |
| 11) Methyl Iodide             | 3.93 | 142 | 27127  | 5.309 ug/l  | 96     |
| 12) Methyl Acetate            | 4.30 | 43  | 33565  | 5.718 ug/l  | 97     |
| 13) Acrolein                  | 3.58 | 56  | 19840  | 30.588 ug/l | 94     |
| 14) Acrylonitrile             | 4.96 | 53  | 64429  | 27.855 ug/l | 97     |
| 15) Acetone                   | 3.80 | 58  | 17291  | 25.184 ug/l | 95     |
| 16) Carbon Disulfide          | 4.03 | 76  | 63874  | 5.969 ug/l  | 99     |
| 17) Allyl chloride            | 4.29 | 41  | 42635m | 5.838 ug/l  |        |
| 18) Methylene Chloride        | 4.53 | 84  | 26511m | 5.967 ug/l  |        |
| 19) trans-1,2-Dichloroethene  | 5.02 | 96  | 23620  | 5.913 ug/l  | 90     |
| 20) Diisopropyl ether         | 5.93 | 45  | 81402  | 5.471 ug/l  | 98     |
| 21) 1,1-Dichloroethane        | 5.82 | 63  | 46913  | 5.694 ug/l  | 99     |
| 22) cis-1,2-Dichloroethene    | 6.81 | 96  | 27542  | 5.783 ug/l  | 99     |
| 23) tert-Butyl Alcohol        | 4.76 | 59  | 24311  | 25.696 ug/l | # 100  |
| 24) Methyl tert-Butyl Ether   | 5.02 | 73  | 75182  | 5.493 ug/l  | # 78   |
| 25) Chloroform                | 7.35 | 83  | 47583  | 5.791 ug/l  | 98     |
| 26) Cyclohexane               | 7.63 | 56  | 40191  | 5.558 ug/l  | # 97   |
| 29) 1,1-Dichloropropene       | 7.78 | 75  | 34075  | 5.488 ug/l  | 99     |
| 30) 2-Butanone                | 6.82 | 43  | 87898  | 25.051 ug/l | 100    |
| 31) 2,2-Dichloropropane       | 6.80 | 77  | 38222  | 5.223 ug/l  | # 79   |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 39688  | 5.526 ug/l  | 97     |
| 33) Carbon Tetrachloride      | 7.76 | 117 | 35176  | 5.659 ug/l  | 96     |
| 34) Benzene                   | 8.03 | 78  | 101872 | 5.573 ug/l  | # 71   |
| 35) Methacrylonitrile         | 7.16 | 41  | 17522  | 5.653 ug/l  | 94     |
| 36) 1,2-Dichloroethane        | 8.11 | 62  | 40322  | 5.769 ug/l  | 98     |
| 37) Trichloroethene           | 8.82 | 130 | 26266  | 5.849 ug/l  | 94     |
| 38) Methylcyclohexane         | 9.07 | 83  | 39552  | 5.494 ug/l  | 99     |
| 39) 1,2-Dichloropropane       | 9.11 | 63  | 27275  | 5.460 ug/l  | 92     |
| 40) Dibromomethane            | 9.20 | 93  | 17298  | 5.485 ug/l  | 98     |

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Manual Integrations  
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 10/11/2019 2:47:33 PM

Quant Time: Oct 11 08:51:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Oct 11 04:26:47 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Bromodichloromethane       | 9.39  | 83   | 34188    | 5.306   | ug/l  | 98       |
| 42) Vinyl Acetate              | 5.87  | 43   | 327131   | 26.620  | ug/l  | 100      |
| 43) Ethyl Acetate              | 6.91  | 43   | 35272    | 5.122   | ug/l  | 97       |
| 44) Isopropyl Acetate          | 8.15  | 43   | 59107    | 5.298   | ug/l  | 91       |
| 45) 1,4-Dioxane                | 9.19  | 88   | 8956     | 104.553 | ug/l  | 96       |
| 46) Methyl methacrylate        | 9.19  | 41   | 25415    | 4.963   | ug/l  | 98       |
| 47) n-amyl Acetate             | 12.07 | 43   | 45209    | 4.572   | ug/l  | 94       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 38420    | 5.142   | ug/l  | 100      |
| 49) cis-1,3-Dichloropropene    | 9.83  | 75   | 39928    | 5.089   | ug/l  | 93       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 25517    | 5.668   | ug/l  | 97       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 36291    | 5.041   | ug/l  | 96       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 44548    | 5.556   | ug/l  | 100      |
| 53) Dibromochloromethane       | 10.90 | 129  | 24531    | 5.077   | ug/l  | 97       |
| 54) 1,2-Dibromoethane          | 11.00 | 107  | 24783    | 5.311   | ug/l  | 98       |
| 55) 2-Chloroethyl vinyl ether  | 9.69  | 63   | 84557    | 23.613  | ug/l  | 99       |
| 56) Bromoform                  | 12.13 | 173  | 16505    | 4.904   | ug/l  | 99       |
| 58) 4-Methyl-2-Pentanone       | 9.98  | 43   | 176774   | 27.387  | ug/l  | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 126854   | 25.069  | ug/l  | 99       |
| 61) Tetrachloroethene          | 10.63 | 164  | 22323    | 5.839   | ug/l  | 99       |
| 62) Toluene                    | 10.15 | 91   | 106418   | 5.592   | ug/l  | 98       |
| 64) Chlorobenzene              | 11.43 | 112  | 64810    | 5.570   | ug/l  | 97       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 23653    | 5.421   | ug/l  | 100      |
| 66) Ethyl Benzene              | 11.51 | 91   | 114254   | 5.422   | ug/l  | 98       |
| 67) m/p-Xylenes                | 11.62 | 106  | 82531    | 10.482  | ug/l  | 98       |
| 68) o-Xylene                   | 11.95 | 106  | 40918    | 5.361   | ug/l  | 98       |
| 69) Styrene                    | 11.97 | 104  | 63115    | 5.005   | ug/l  | 98       |
| 70) Isopropylbenzene           | 12.25 | 105  | 110278   | 5.351   | ug/l  | 98       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 38002    | 5.478   | ug/l  | 99       |
| 72) 1,2,3-Trichloropropane     | 12.56 | 75   | 35302m   | 5.616   | ug/l  |          |
| 73) Bromobenzene               | 12.53 | 156  | 26814    | 5.357   | ug/l  | 99       |
| 74) n-propylbenzene            | 12.59 | 91   | 126068   | 5.227   | ug/l  | 99       |
| 75) 2-Chlorotoluene            | 12.68 | 91   | 77352    | 5.330   | ug/l  | 99       |
| 76) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 91852    | 5.204   | ug/l  | 100      |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 11095    | 4.633   | ug/l  | 99       |
| 78) 4-Chlorotoluene            | 12.78 | 91   | 75606    | 5.055   | ug/l  | 96       |
| 79) tert-butylbenzene          | 13.00 | 119  | 78402    | 5.199   | ug/l  | 100      |
| 80) 1,2,4-Trimethylbenzene     | 13.05 | 105  | 88574    | 5.050   | ug/l  | 100      |
| 81) sec-Butylbenzene           | 13.18 | 105  | 104459   | 5.147   | ug/l  | 100      |
| 82) p-Isopropyltoluene         | 13.30 | 119  | 91089    | 4.999   | ug/l  | 99       |
| 83) 1,3-Dichlorobenzene        | 13.29 | 146  | 46233    | 5.105   | ug/l  | 98       |
| 84) 1,4-Dichlorobenzene        | 13.37 | 146  | 46927    | 5.187   | ug/l  | 99       |
| 85) n-Butylbenzene             | 13.62 | 91   | 77336    | 4.635   | ug/l  | 98       |
| 86) Hexachloroethane           | 13.88 | 117  | 16647    | 5.020   | ug/l  | 98       |
| 87) 1,2-Dichlorobenzene        | 13.66 | 146  | 47205    | 5.279   | ug/l  | 97       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 8404     | 5.443   | ug/l  | 94       |
| 89) 1,2,4-Trichlorobenzene     | 14.92 | 180  | 26284    | 4.655   | ug/l  | 99       |
| 90) Hexachlorobutadiene        | 15.02 | 225  | 15180    | 5.207   | ug/l  | 100      |
| 91) Naphthalene                | 15.13 | 128  | 75421    | 4.525   | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.30 | 180  | 26086    | 4.746   | ug/l  | 97       |

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Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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LOQ-WATER-02-QT4-2019

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QLast Update : Fri Oct 11 04:26:47 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

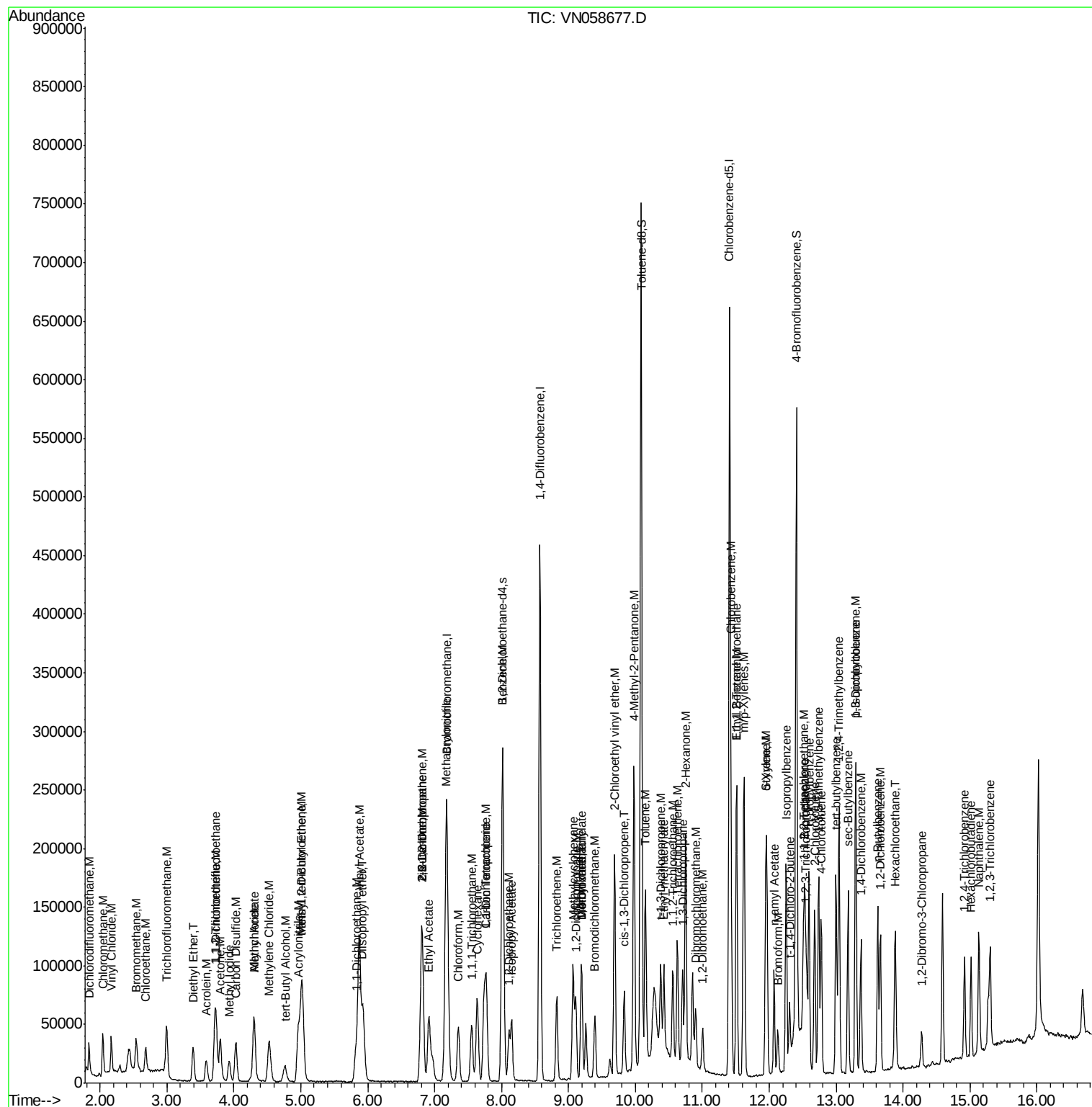
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Data File : VN058677.D  
Acq On : 10 Oct 2019 20:24  
Operator : JC/SP  
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ALS Vial : 13 Sample Multiplier: 1

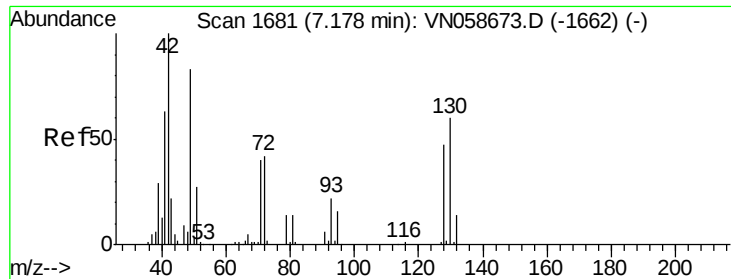
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Manual Integrations  
APPROVED

MMDadoda  
10/11/2019 2:47:33 PM

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Oct 11 04:26:47 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

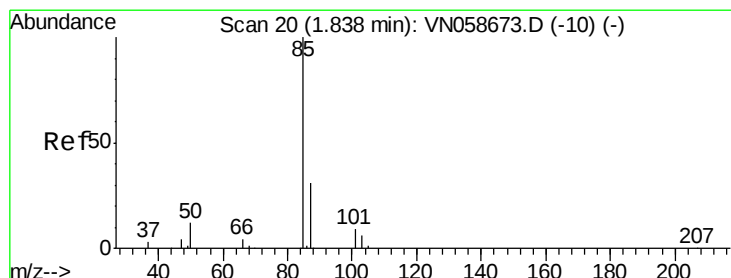
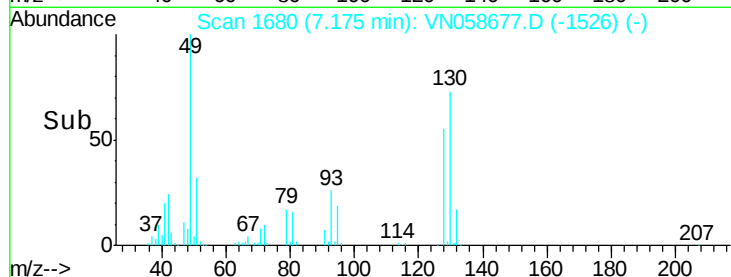
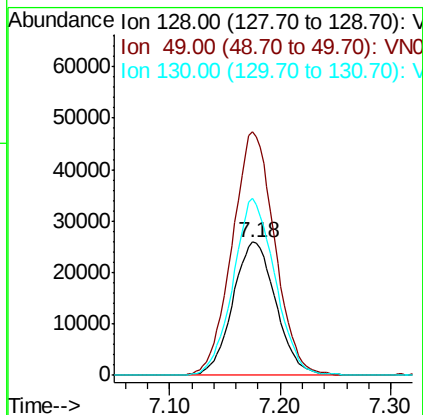
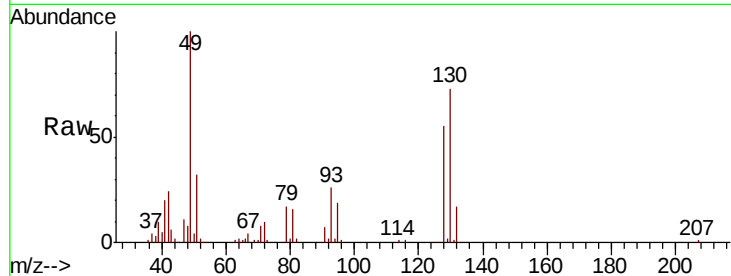
ClientSampleId :

LOQ-WATER-02-QT4-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 128   | Resp: | 70125 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 180.9 | 0.0   | 453.5 |
| 130      | 129.0 | 0.0   | 314.2 |

Manual Integrations  
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#2

Dichlorodifluoromethane

Concen: 5.342 ug/l

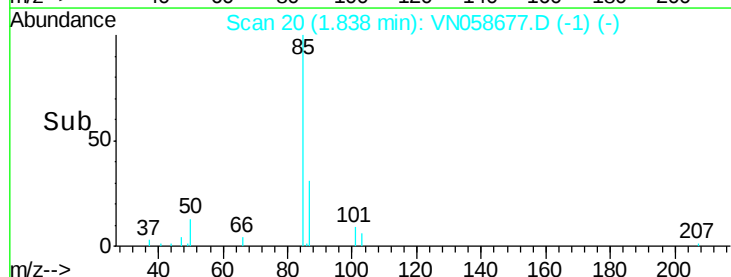
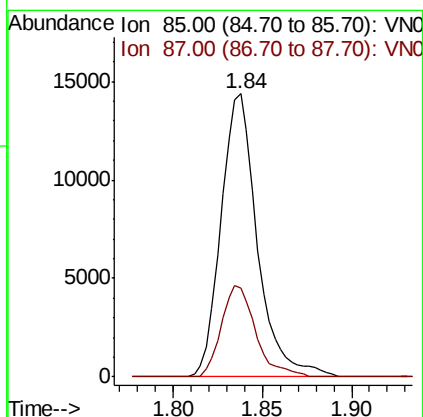
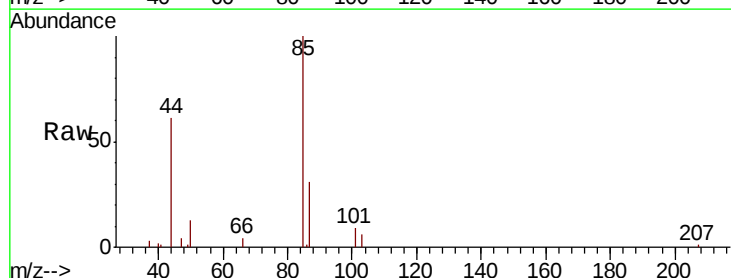
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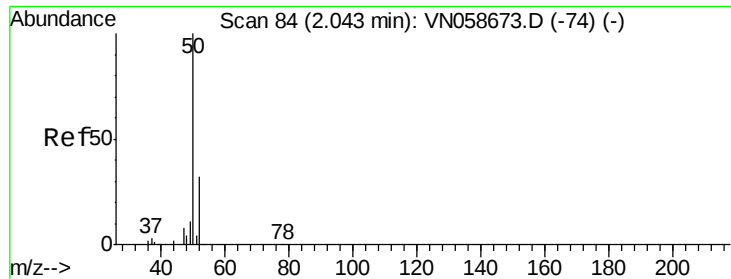
Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 20295 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 31.3  | 15.7  | 47.0  |





#3

Chloromethane

Concen: 5.781 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 50 Resp: 29338

Ion Ratio Lower Upper

50 100

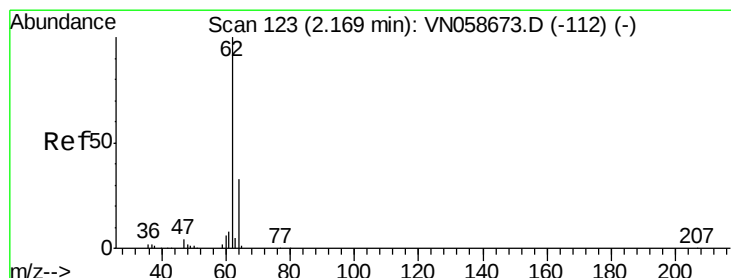
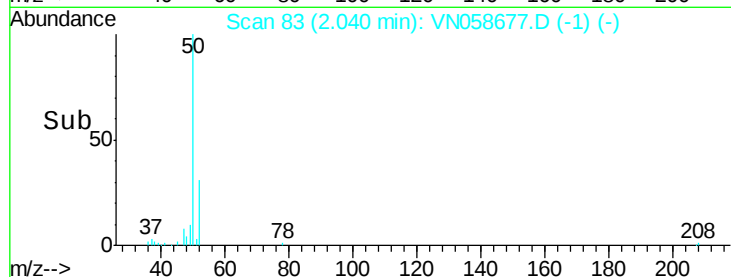
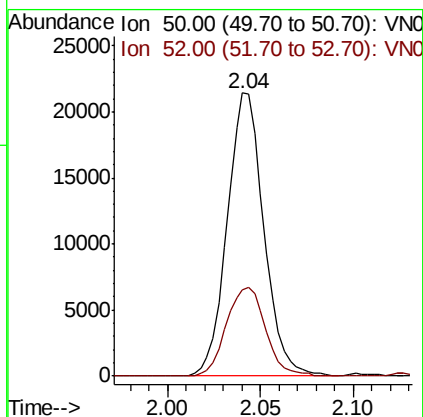
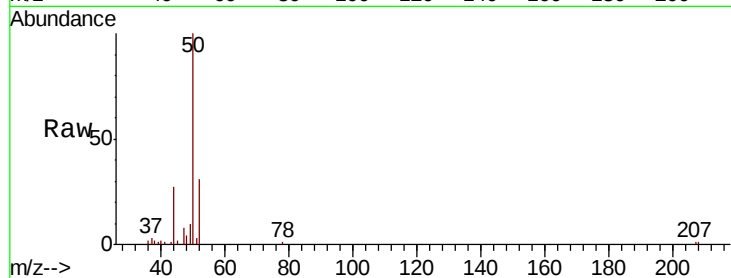
52 30.6 25.8 38.8

Manual Integrations

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10/11/2019 2:47:33 PM



#4

Vinyl Chloride

Concen: 5.579 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058677.D

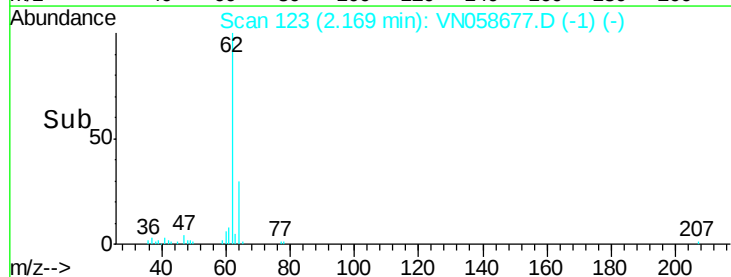
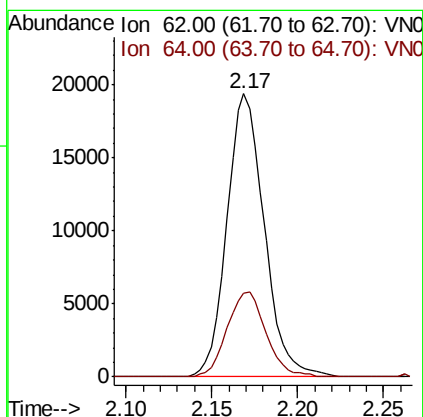
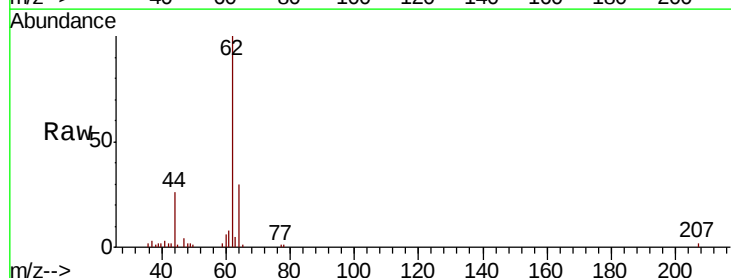
Acq: 10 Oct 2019 20:24

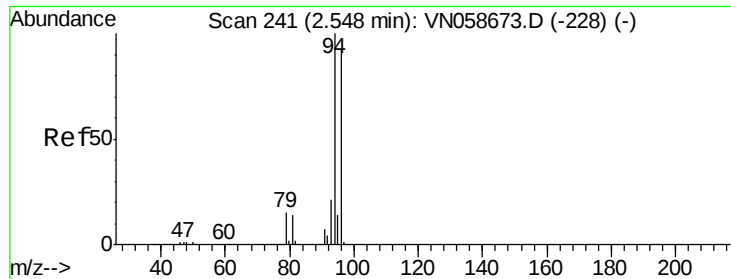
Tgt Ion: 62 Resp: 29266

Ion Ratio Lower Upper

62 100

64 29.6 26.1 39.1





#5

Bromomethane

Concen: 5.931 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

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LOQ-WATER-02-QT4-2019

Tot Ion: 94 Resp: 19208

Ion Ratio Lower Upper

94 100

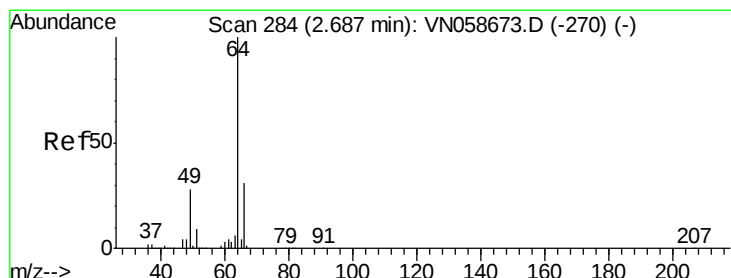
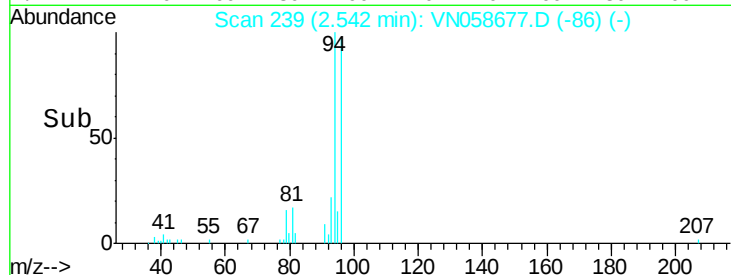
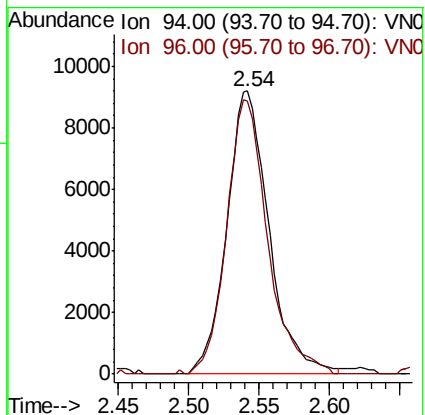
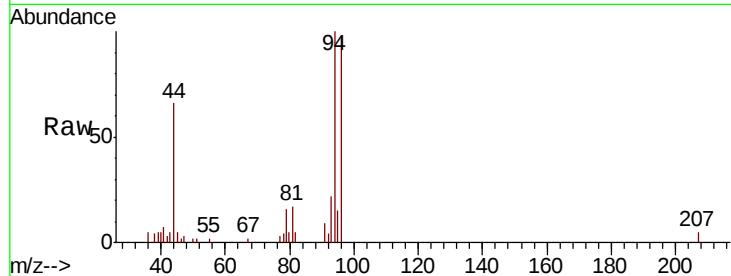
96 96.5 73.7 110.5

Manual Integrations

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10/11/2019 2:47:33 PM



#6

Chloroethane

Concen: 5.690 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058677.D

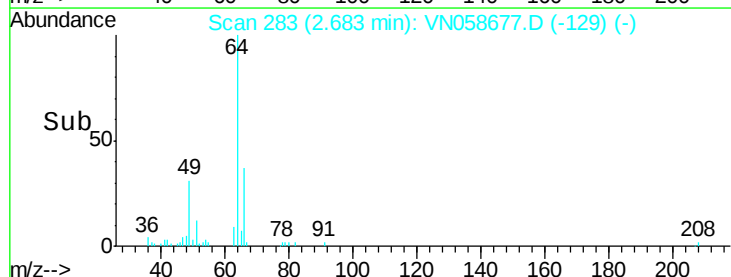
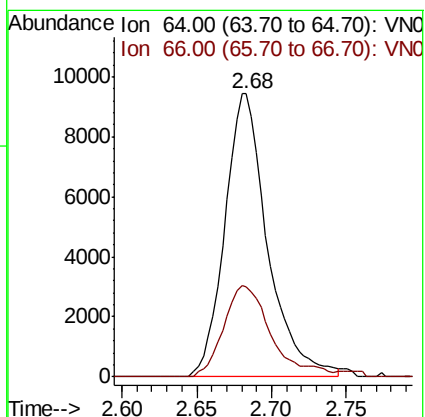
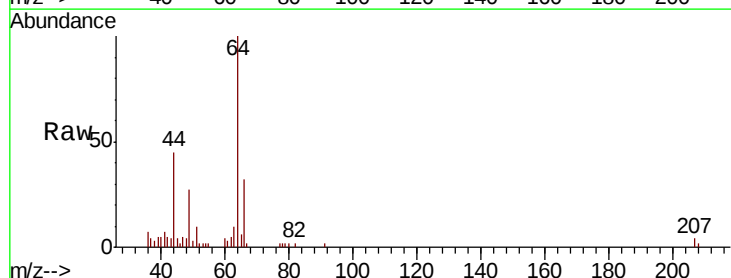
Acq: 10 Oct 2019 20:24

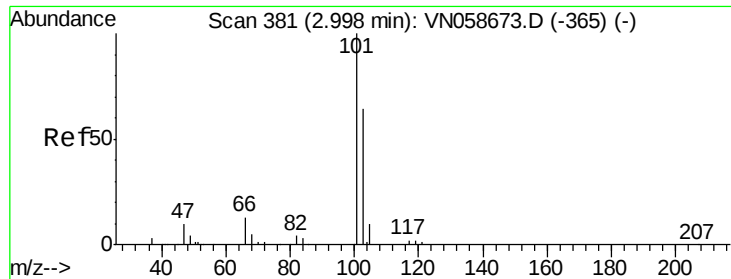
Tgt Ion: 64 Resp: 18761

Ion Ratio Lower Upper

64 100

66 31.9 24.6 36.8





#7

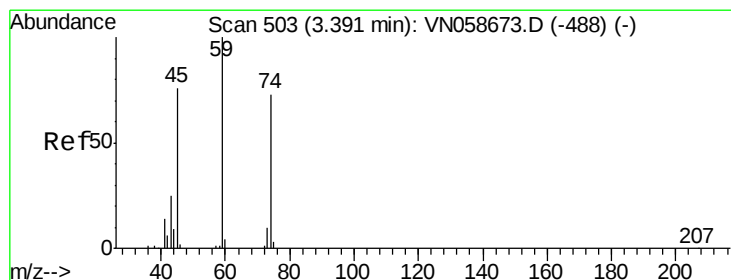
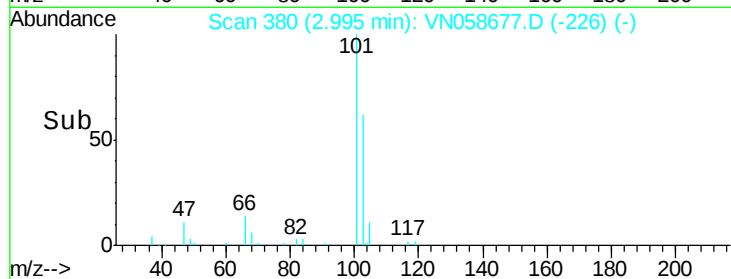
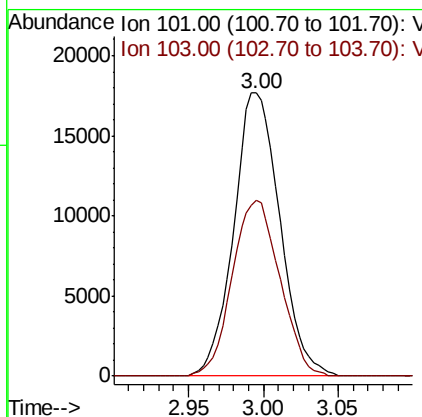
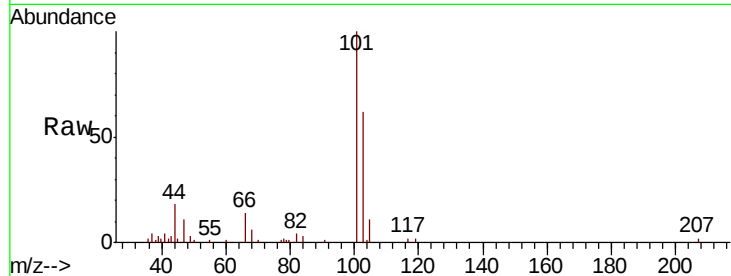
Trichlorofluoromethane  
 Concen: 5.879 ug/l  
 RT: 3.00 min Scan# 380  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 62.1  | 51.5  | 77.3  |

Manual Integrations  
 APPROVED

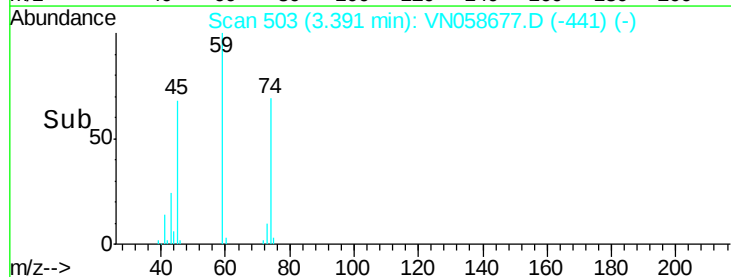
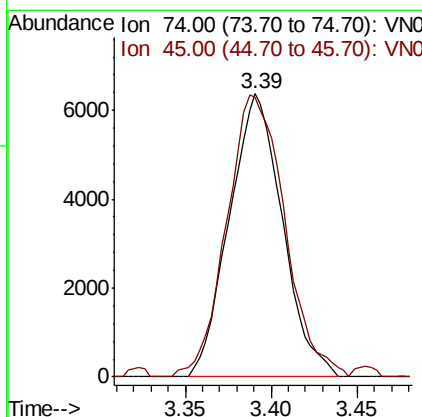
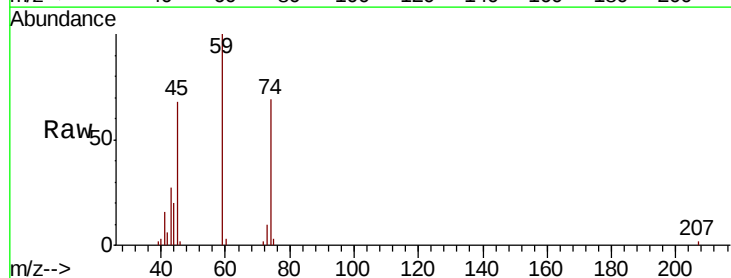
MMDadoda  
 10/11/2019 2:47:33 PM

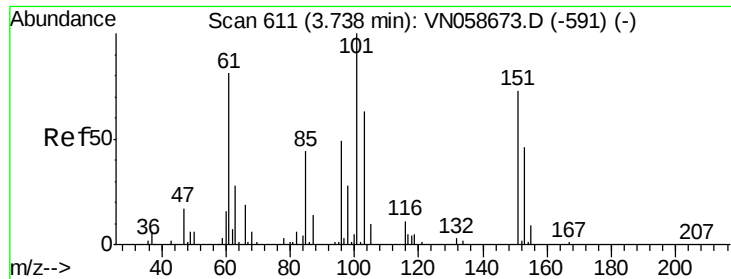


#8

Diethyl Ether  
 Concen: 5.572 ug/l  
 RT: 3.39 min Scan# 503  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 108.3 | 20.6  | 185.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.707 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

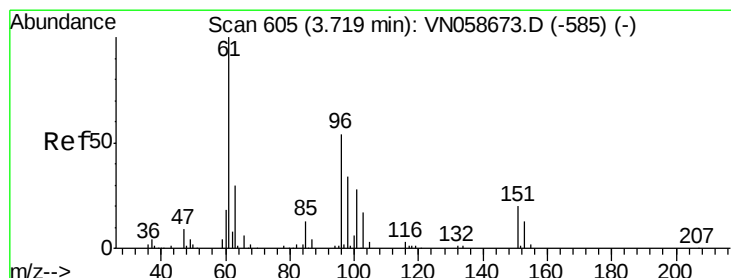
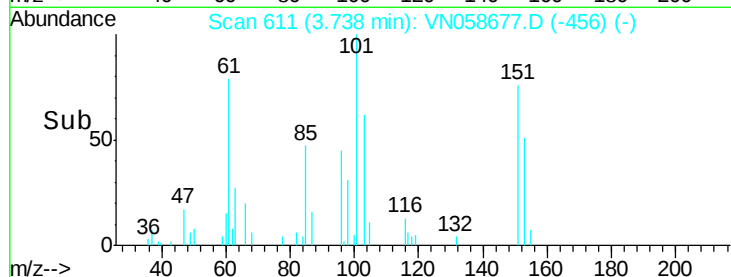
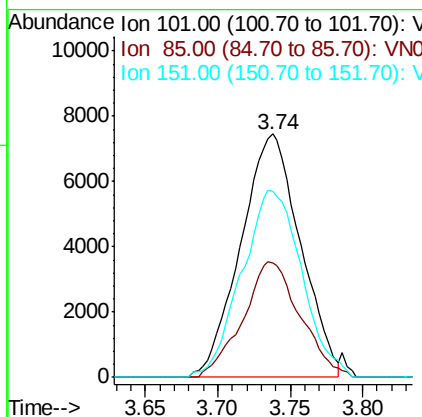
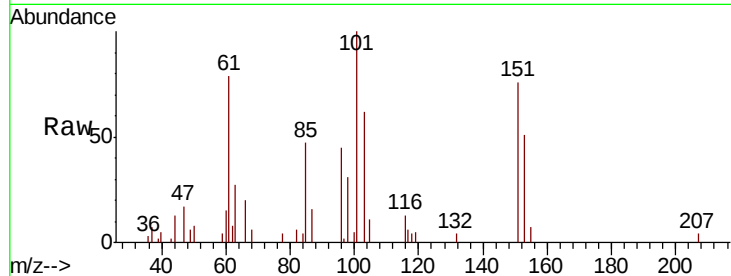
ClientSampleId :

LOQ-WATER-02-QT4-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 21321 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.6  | 0.0   | 93.8  |
| 151       | 77.1  | 0.0   | 149.6 |

Manual Integrations  
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MMDadoda  
10/11/2019 2:47:33 PM



#10

1,1-Dichloroethene

Concen: 5.451 ug/l

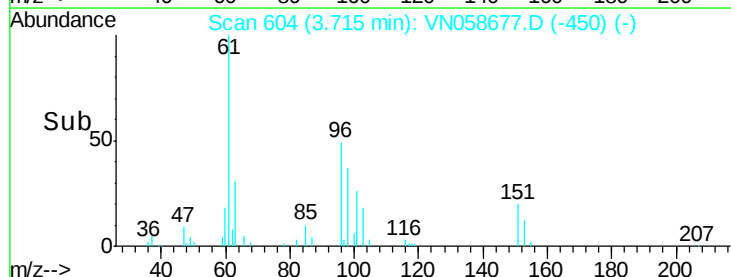
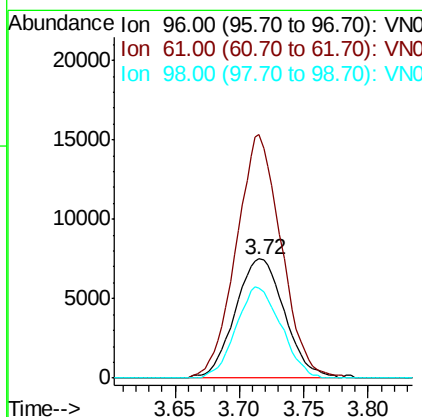
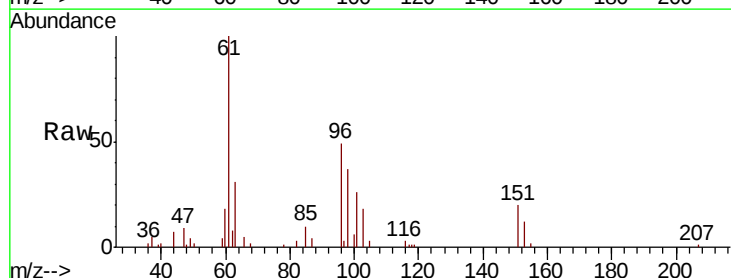
RT: 3.72 min Scan# 604

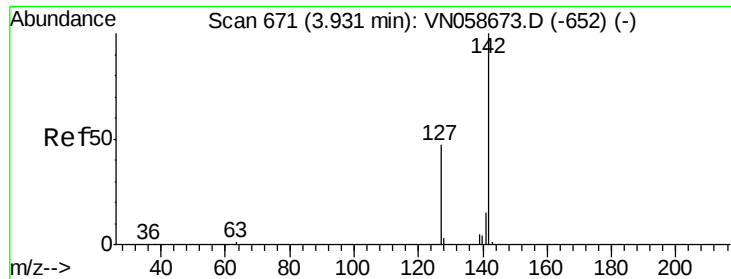
Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 20001 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 204.6 | 148.5 | 222.7 |
| 98        | 76.2  | 51.0  | 76.6  |





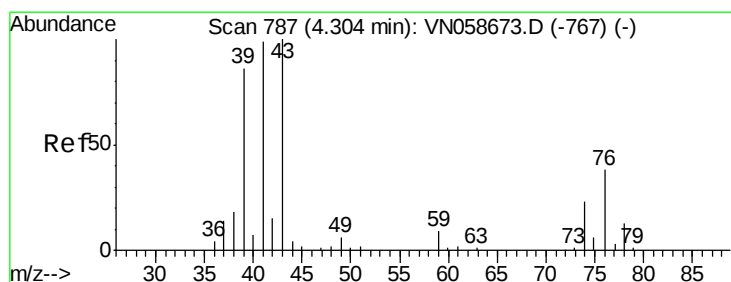
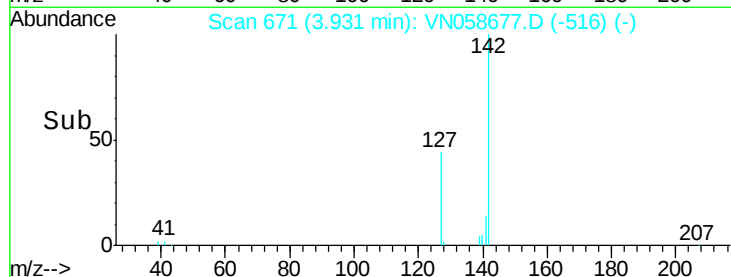
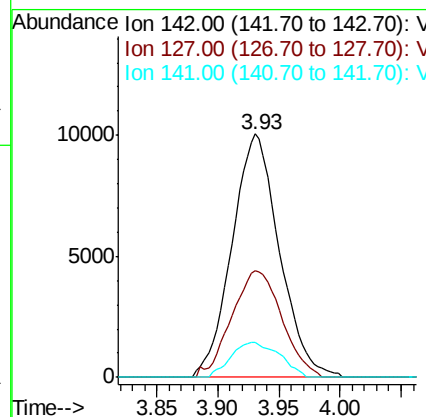
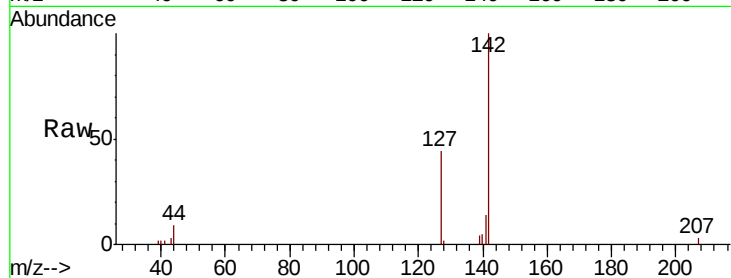
#11  
Methvl Iodide  
Concen: 5.309 ug/l  
RT: 3.93 min Scan# 671  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 43.5  | 23.5  | 70.6  |
| 141     | 14.4  | 7.4   | 22.2  |

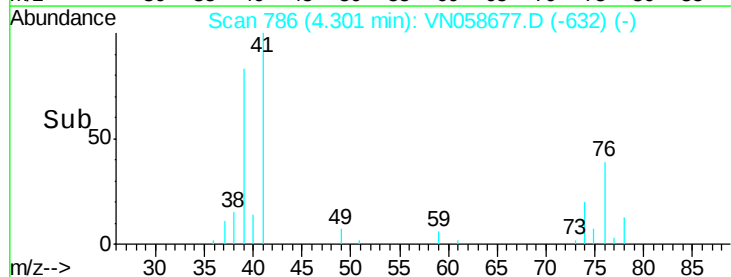
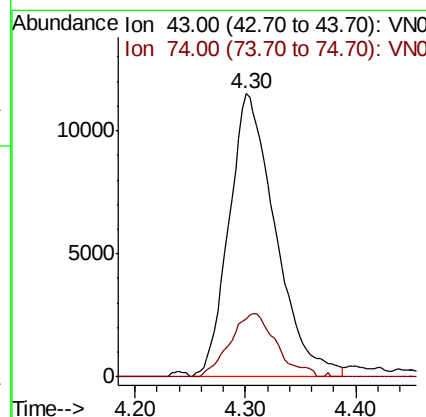
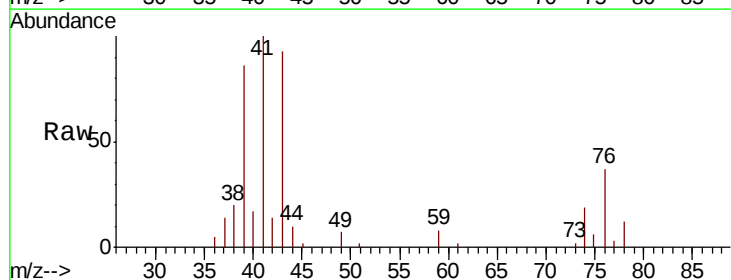
Manual Integrations  
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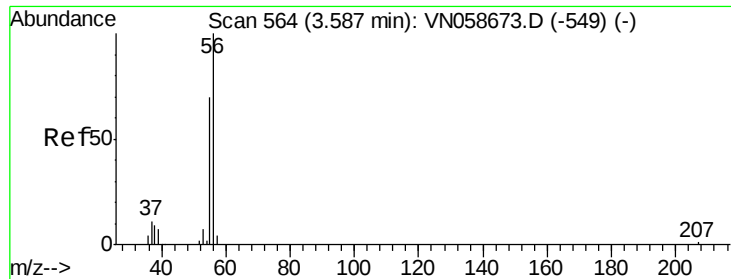
MMDadoda  
10/11/2019 2:47:33 PM



#12  
Methyl Acetate  
Concen: 5.718 ug/l  
RT: 4.30 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.9  | 18.1  | 27.1  |





#13

Acrolein

Concen: 30.588 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 56 Resp: 19840

Ion Ratio Lower Upper

56 100

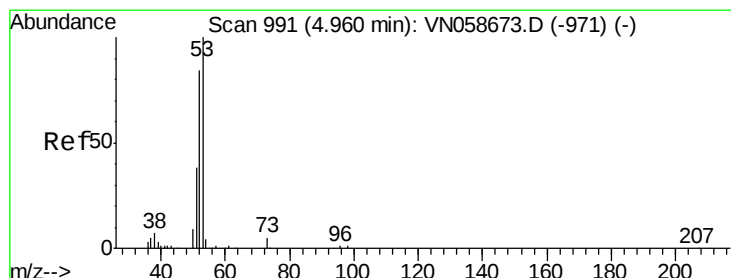
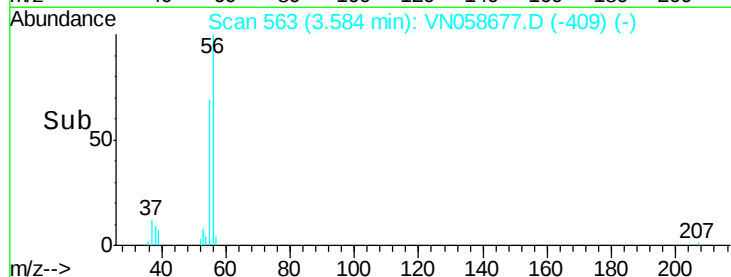
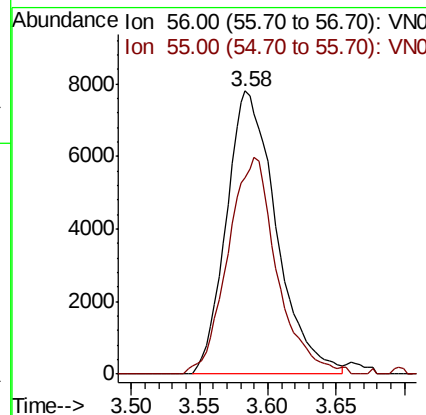
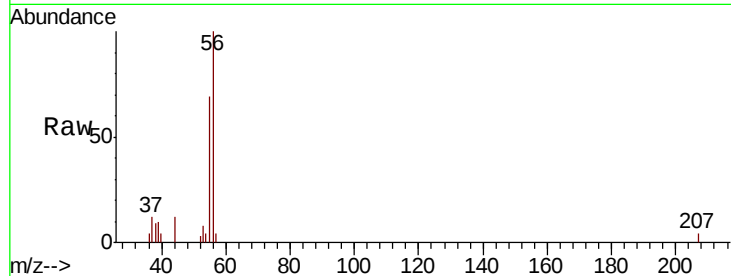
55 74.9 55.9 83.9

Manual Integrations

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MMDadoda

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#14

Acrylonitrile

Concen: 27.855 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

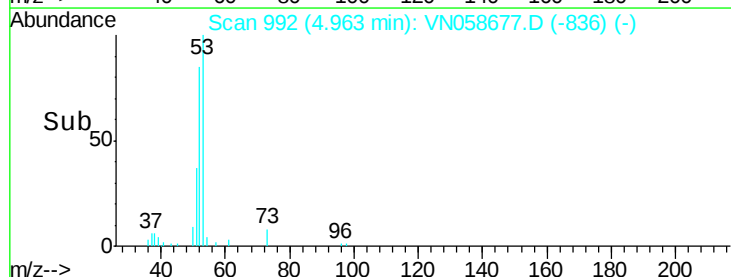
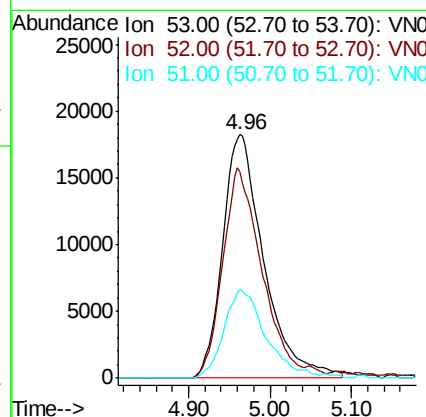
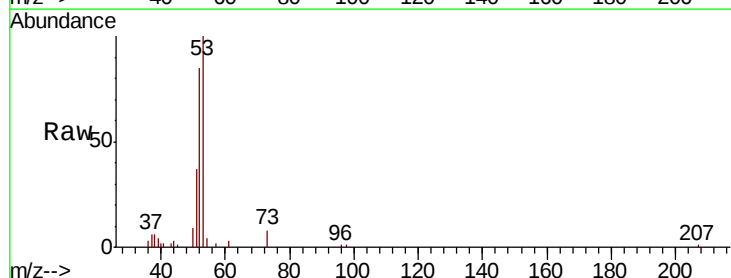
Tgt Ion: 53 Resp: 64429

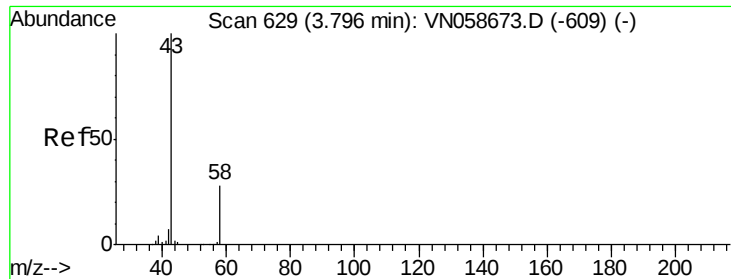
Ion Ratio Lower Upper

53 100

52 81.3 42.2 126.6

51 36.0 18.8 56.4





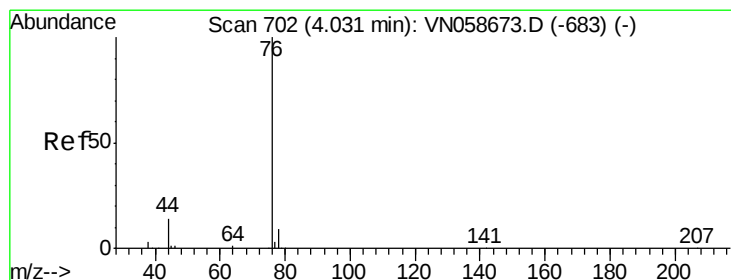
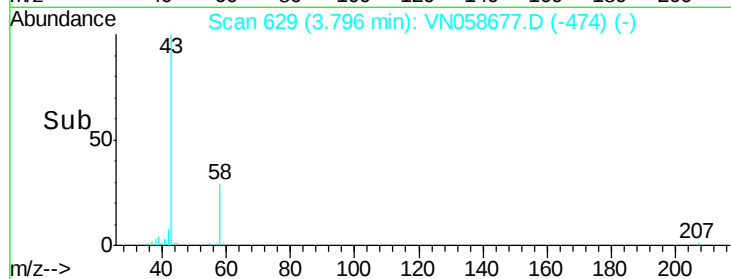
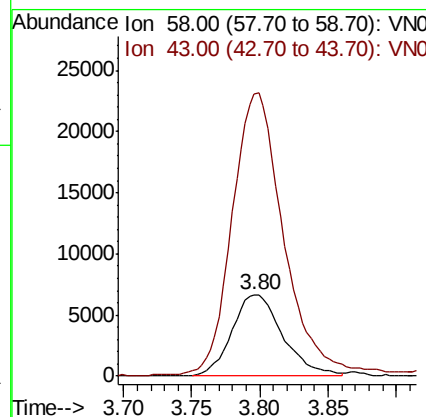
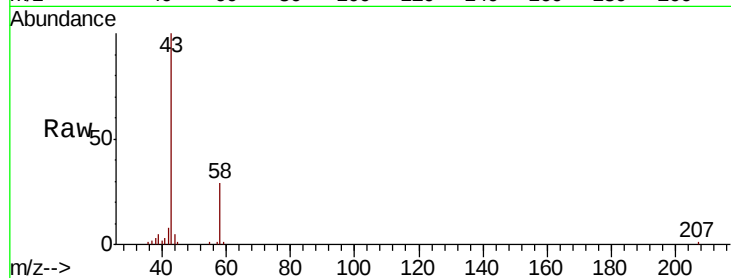
#15  
Acetone  
Concen: 25.184 ug/l  
RT: 3.80 min Scan# 629  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion: 58 Resp: 17291  
Ion Ratio Lower Upper  
58 100  
43 340.5 281.7 422.5

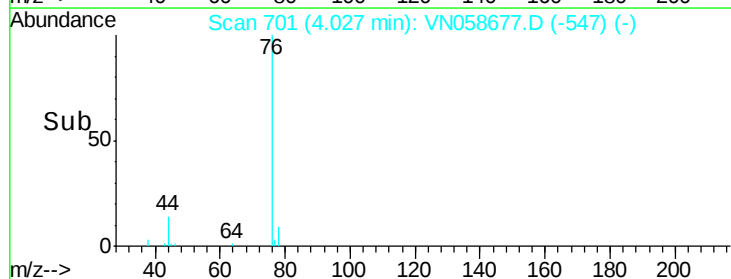
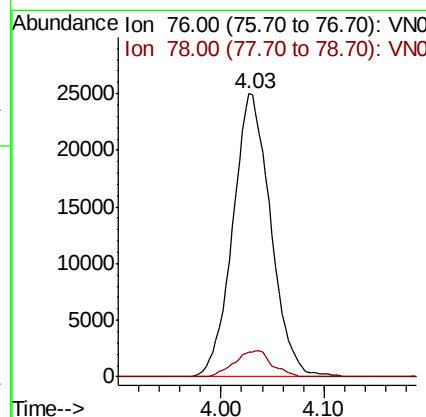
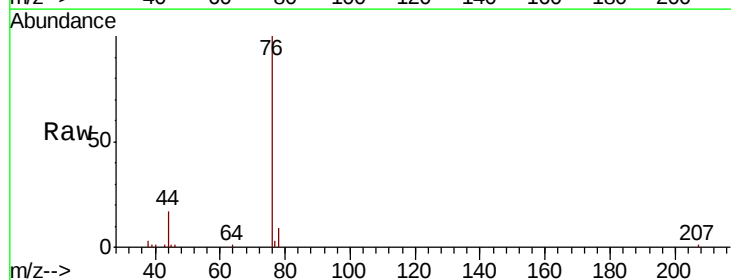
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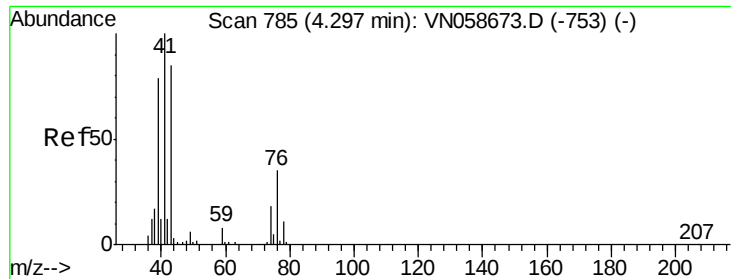
MMDadoda  
10/11/2019 2:47:33 PM



#16  
Carbon Disulfide  
Concen: 5.969 ug/l  
RT: 4.03 min Scan# 701  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Tgt Ion: 76 Resp: 63874  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.4 11.0





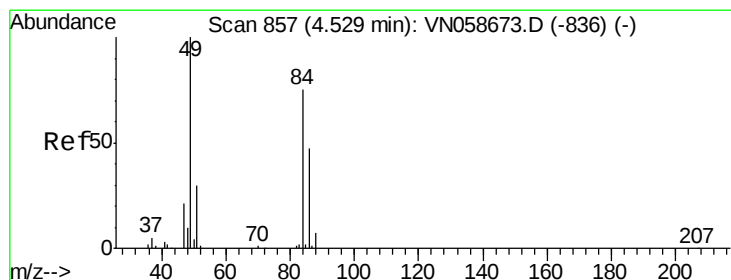
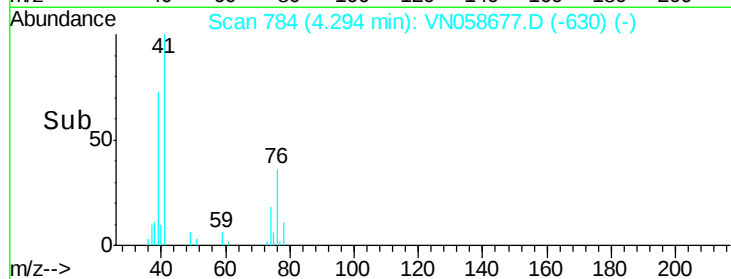
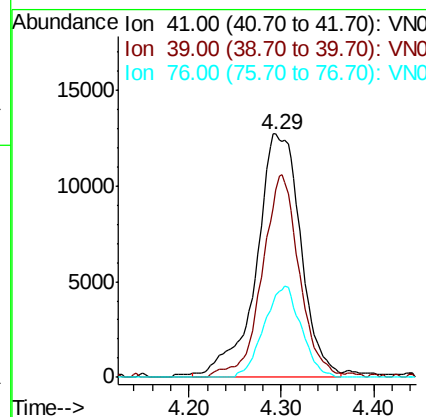
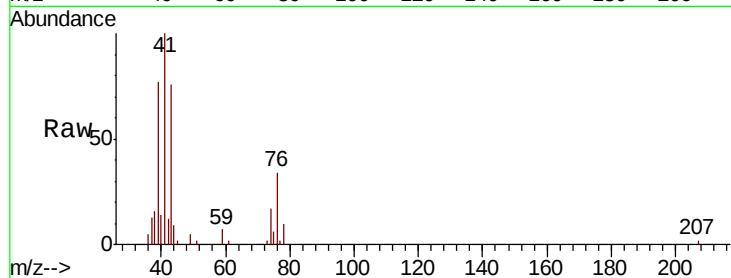
#17  
Allvl chloride  
Concen: 5.838 ug/l m  
RT: 4.29 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 76.7  | 39.6  | 118.8 |
| 76      | 33.7  | 17.6  | 52.9  |

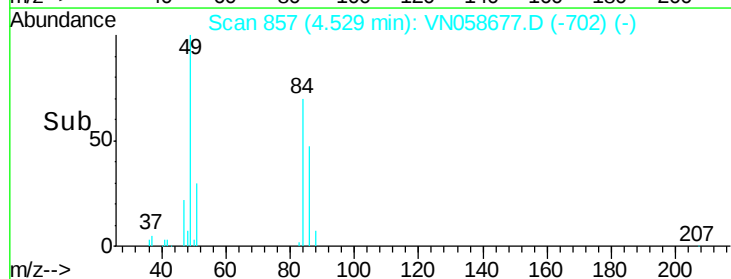
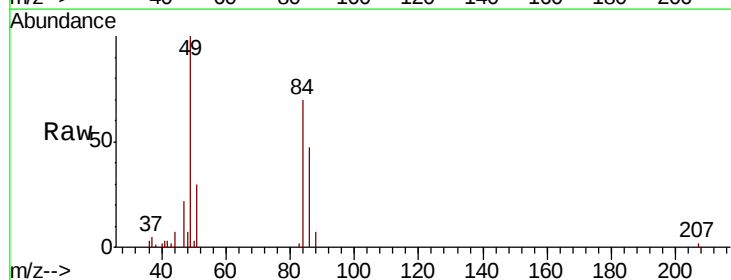
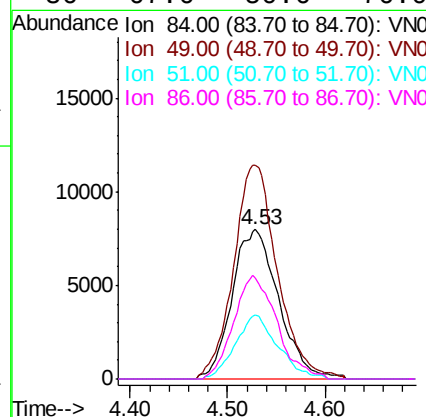
Manual Integrations  
APPROVED

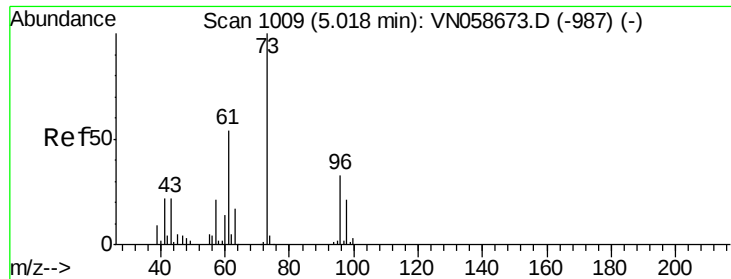
MMDadoda  
10/11/2019 2:47:33 PM



#18  
Methylene Chloride  
Concen: 5.967 ug/l m  
RT: 4.53 min Scan# 857  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 143.2 | 106.6 | 160.0 |
| 51      | 42.8  | 32.4  | 48.6  |
| 86      | 67.6  | 50.6  | 76.0  |





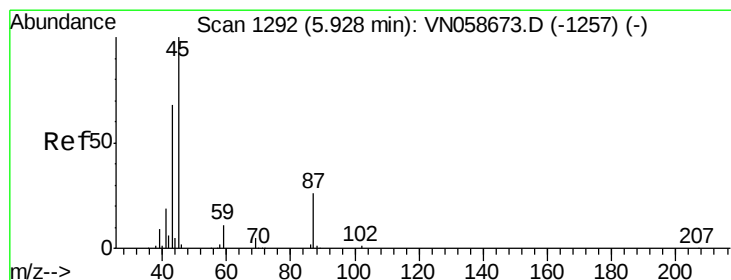
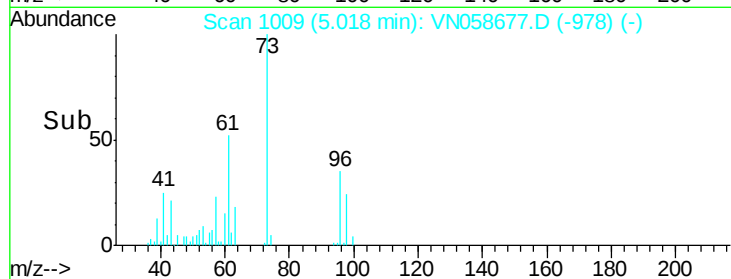
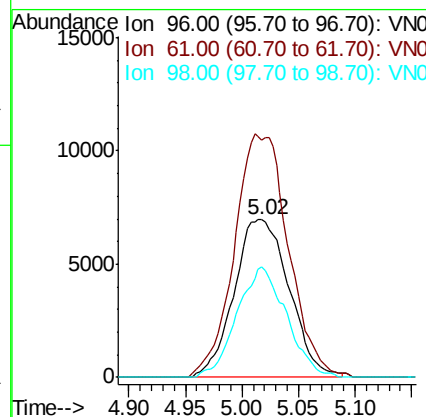
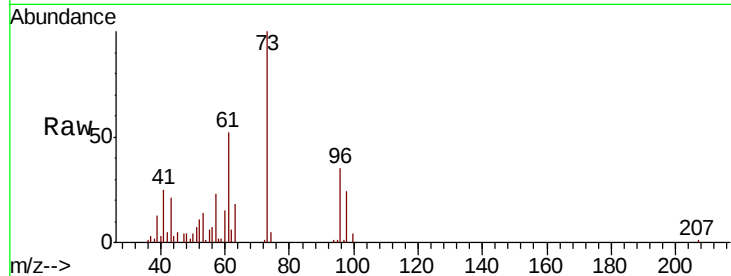
#19  
trans-1,2-Dichloroethene  
Concen: 5.913 ug/l  
RT: 5.02 min Scan# 1009  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 148.2 | 131.8 | 197.6 |
| 98      | 70.2  | 52.6  | 79.0  |

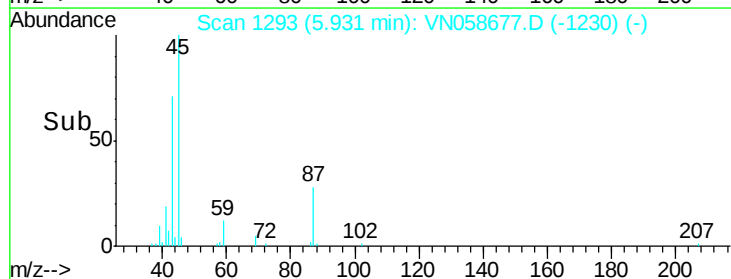
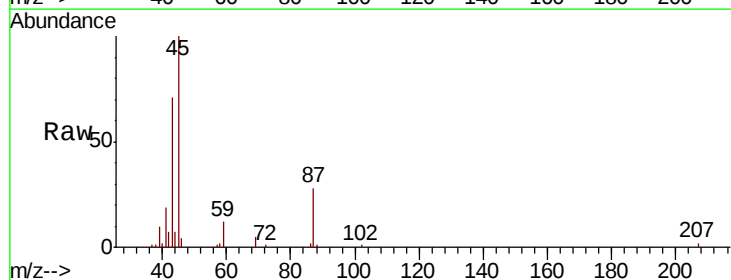
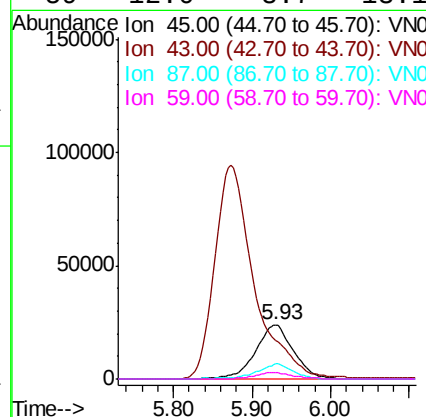
Manual Integrations  
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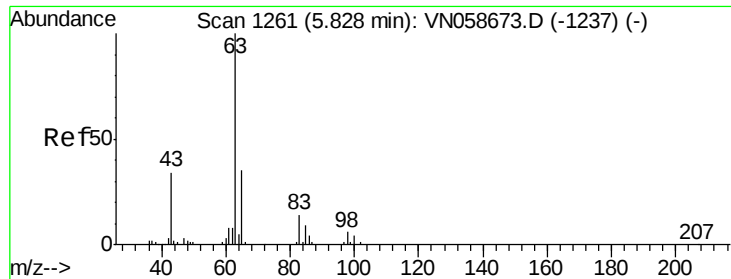
MMDadoda  
10/11/2019 2:47:33 PM



#20  
Diisopropyl ether  
Concen: 5.471 ug/l  
RT: 5.93 min Scan# 1293  
Delta R.T. 0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 67.3  | 54.7  | 82.1  |
| 87      | 27.9  | 21.5  | 32.3  |
| 59      | 12.0  | 8.7   | 13.1  |





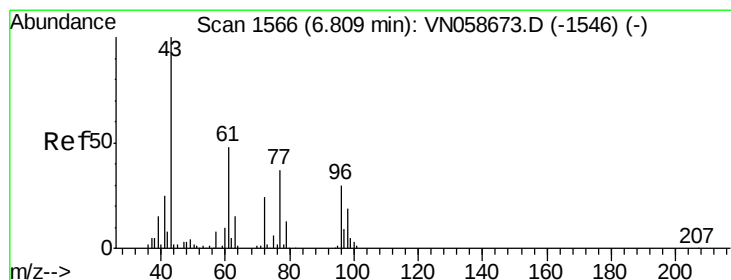
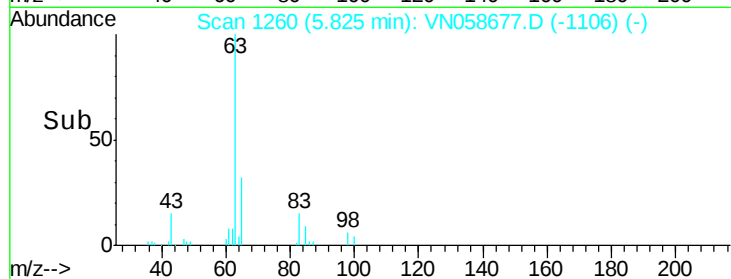
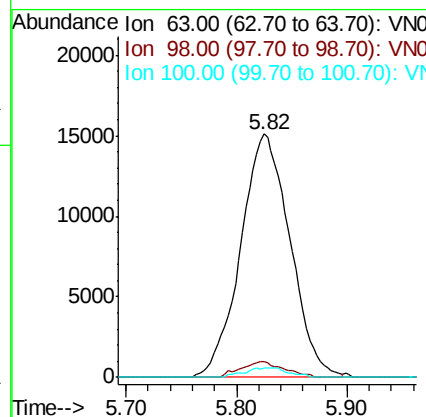
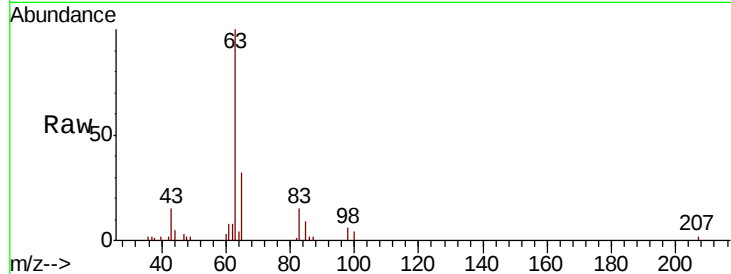
#21  
 1,1-Dichloroethane  
 Concen: 5.694 ug/l  
 RT: 5.82 min Scan# 1260  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 63      | 100   | 46913 |       |       |
| 98      | 6.2   |       | 2.9   | 8.6   |
| 100     | 3.7   |       | 1.8   | 5.5   |

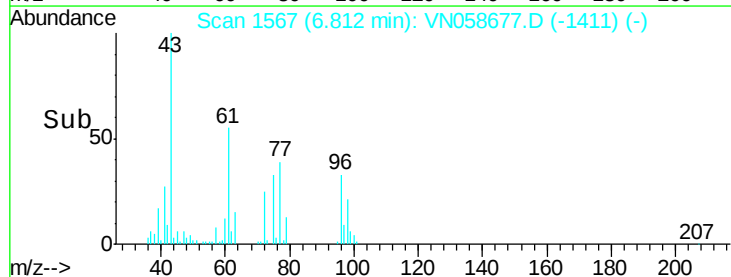
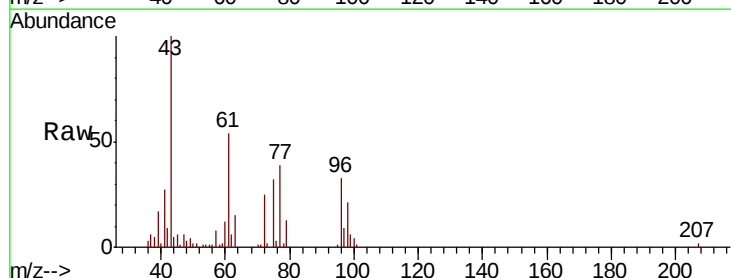
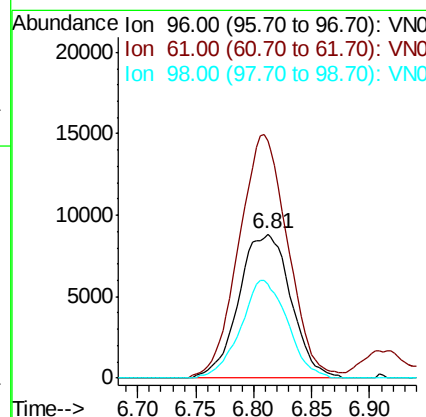
Manual Integrations  
 APPROVED

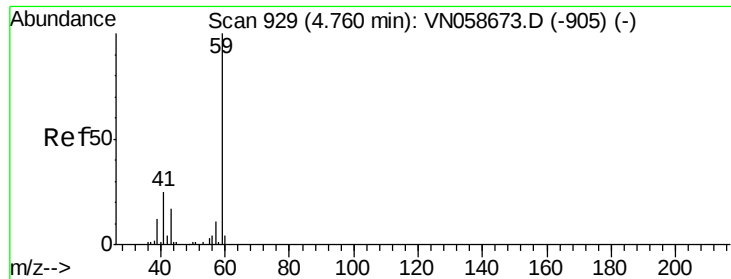
MMDadoda  
 10/11/2019 2:47:33 PM



#22  
 cis-1,2-Dichloroethene  
 Concen: 5.783 ug/l  
 RT: 6.81 min Scan# 1567  
 Delta R.T. 0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 27542 |       |       |
| 61      | 159.2 |       | 127.2 | 190.8 |
| 98      | 61.2  |       | 50.5  | 75.7  |





#23

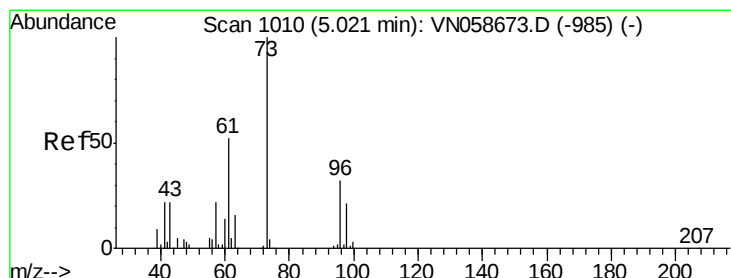
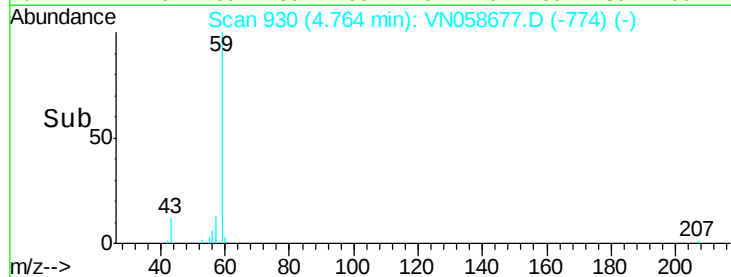
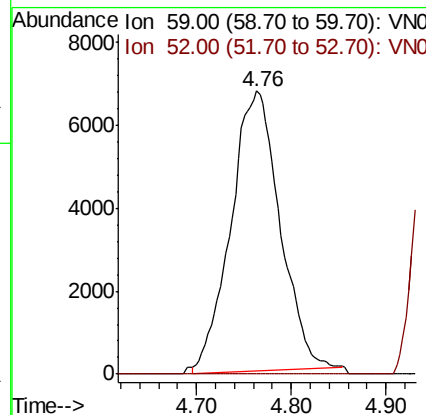
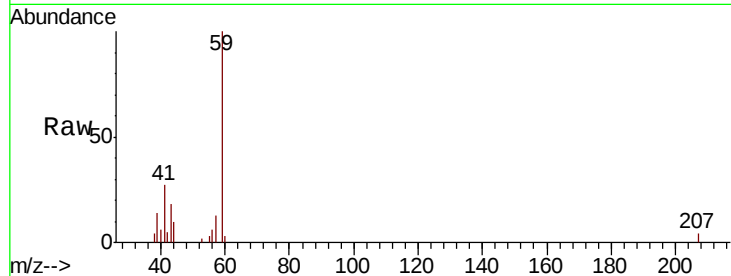
tert-Butyl Alcohol  
 Concen: 25.696 ug/l  
 RT: 4.76 min Scan# 930  
 Delta R.T. 0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 52      | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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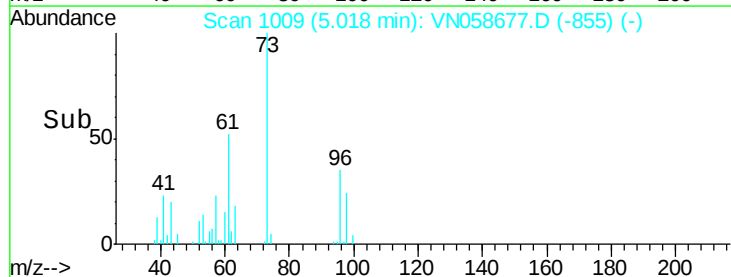
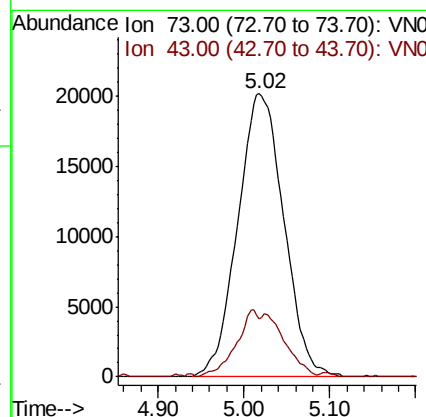
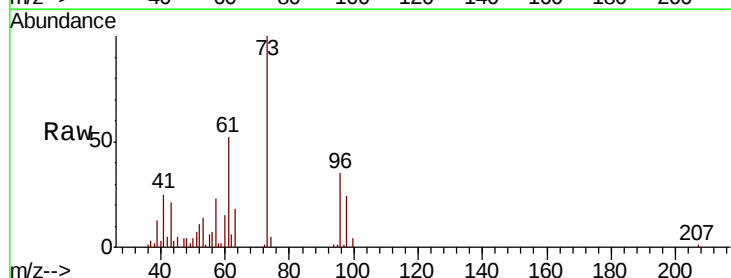
MMDadoda  
 10/11/2019 2:47:33 PM

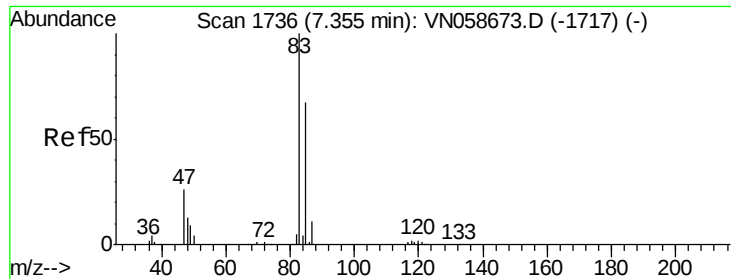


#24

Methyl tert-Butyl Ether  
 Concen: 5.493 ug/l  
 RT: 5.02 min Scan# 1009  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 11.6  | 17.9  | 26.9# |





#25

Chloroform

Concen: 5.791 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 83 Resp: 47583

Ion Ratio Lower Upper

83 100

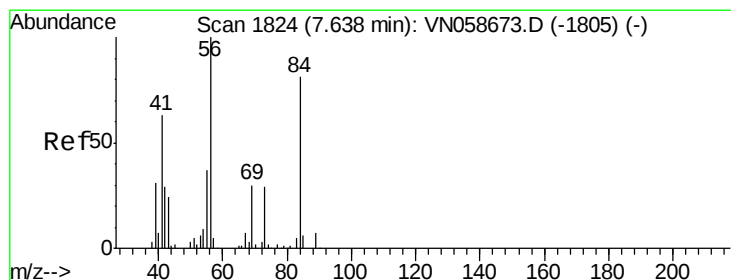
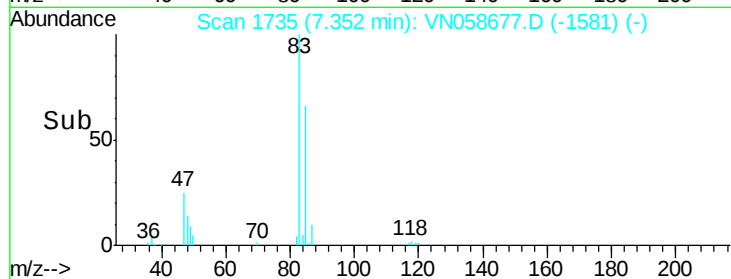
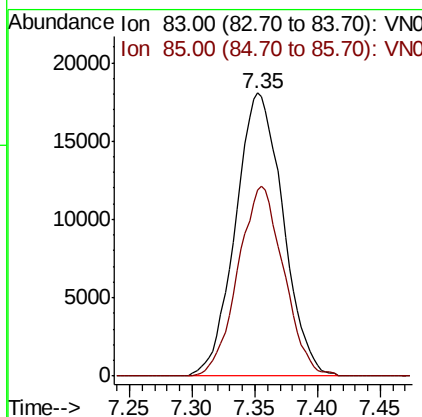
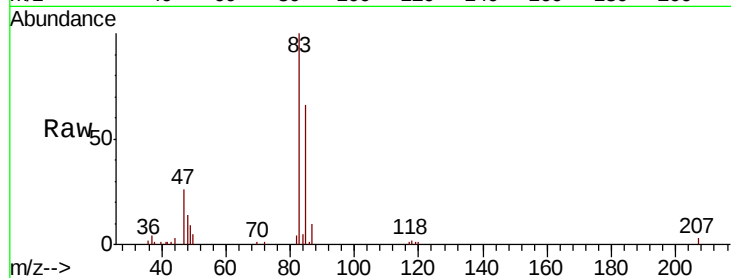
85 65.9 53.8 80.8

Manual Integrations

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#26

Cyclohexane

Concen: 5.558 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

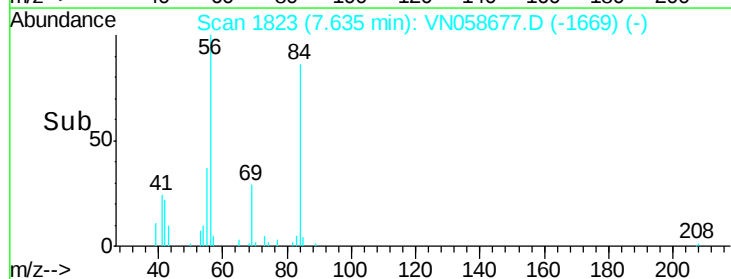
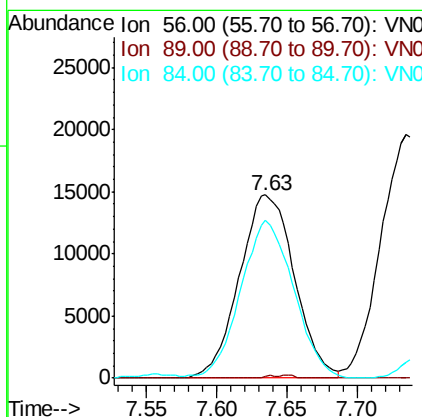
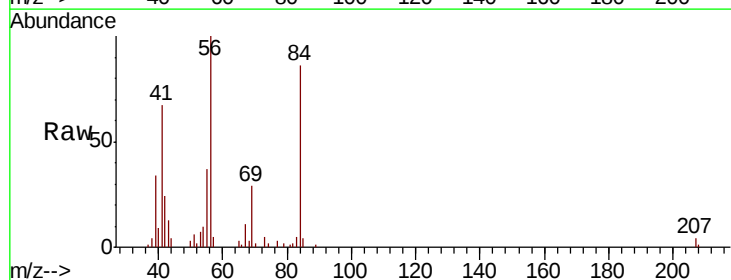
Tgt Ion: 56 Resp: 40191

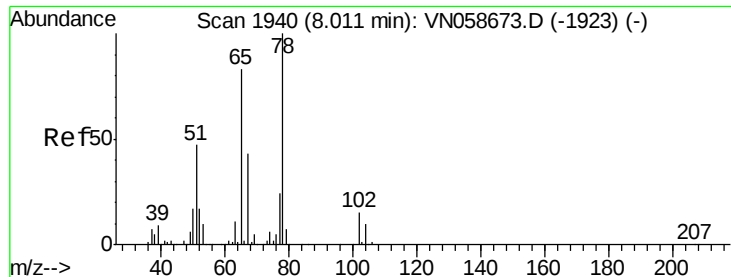
Ion Ratio Lower Upper

56 100

89 0.3 6.2 9.2#

84 83.1 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 31.356 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 65 Resp: 186625

Ion Ratio Lower Upper

65 100

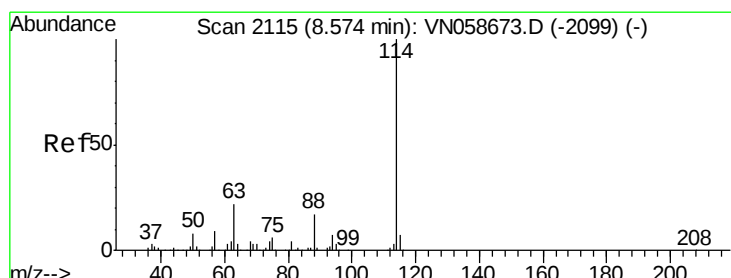
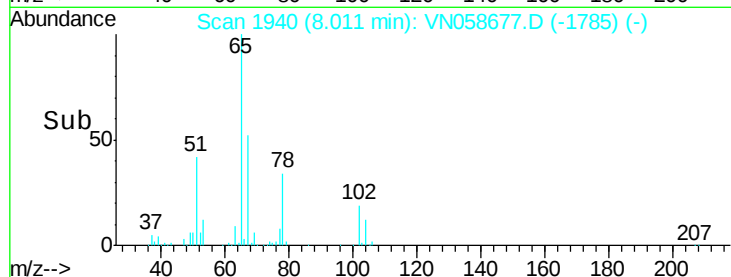
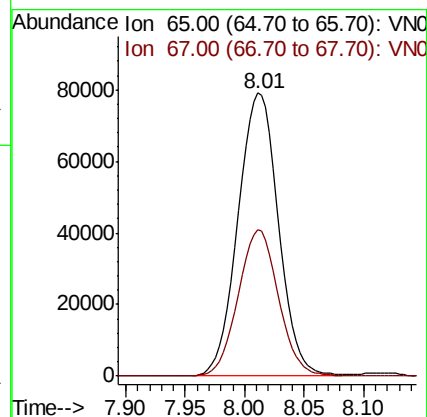
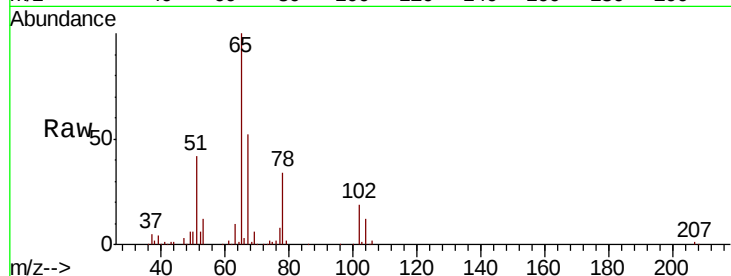
67 51.6 41.5 62.3

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

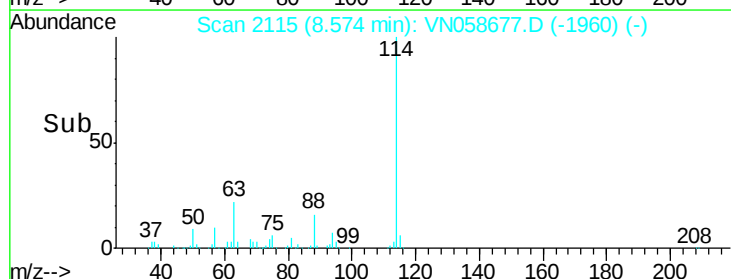
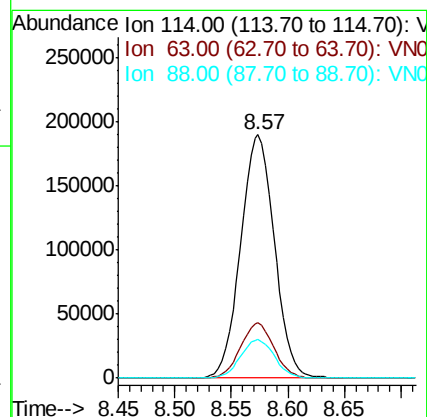
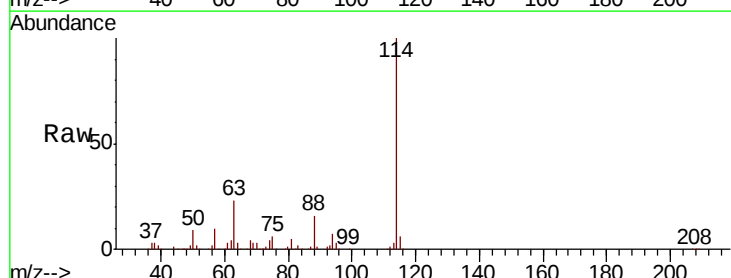
Tgt Ion: 114 Resp: 394450

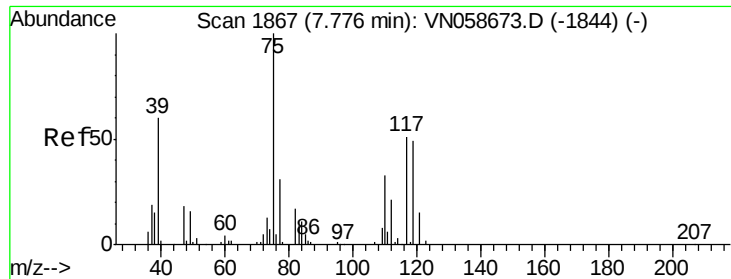
Ion Ratio Lower Upper

114 100

63 22.4 18.1 27.1

88 16.0 13.0 19.4





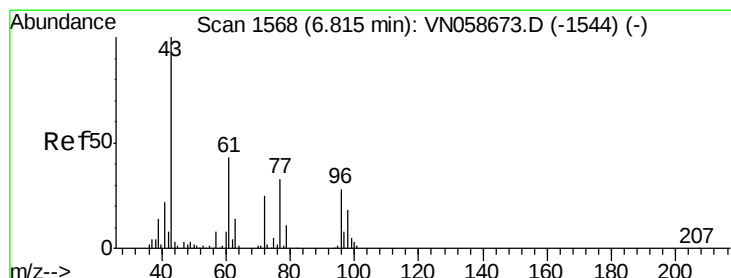
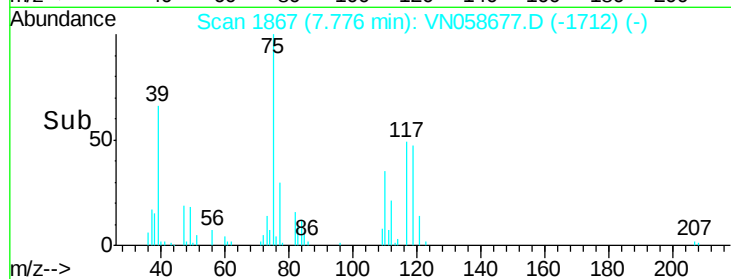
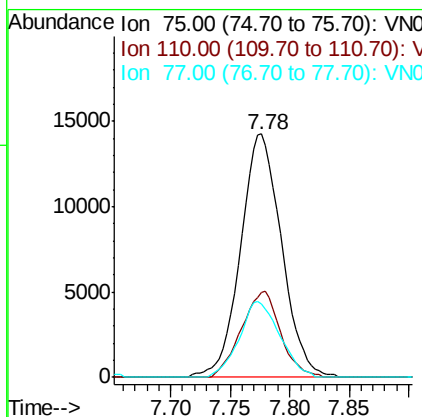
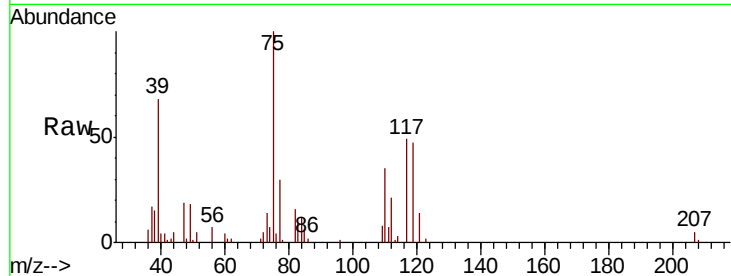
#29  
 1,1-Dichloropropene  
 Concen: 5.488 ug/l  
 RT: 7.78 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 33.7  | 0.0   | 64.6  |
| 77      | 30.7  | 0.0   | 60.8  |

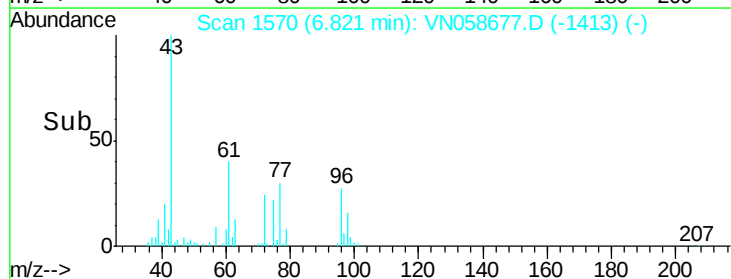
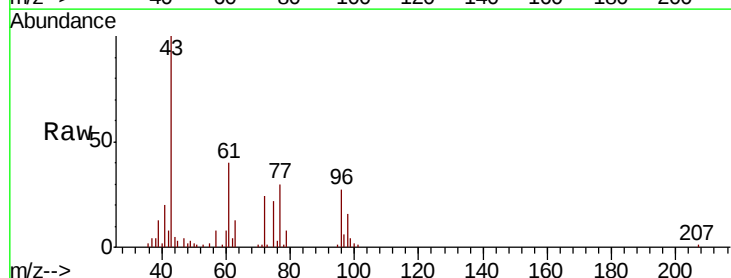
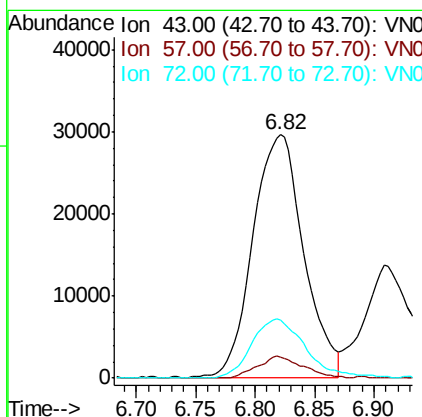
Manual Integrations  
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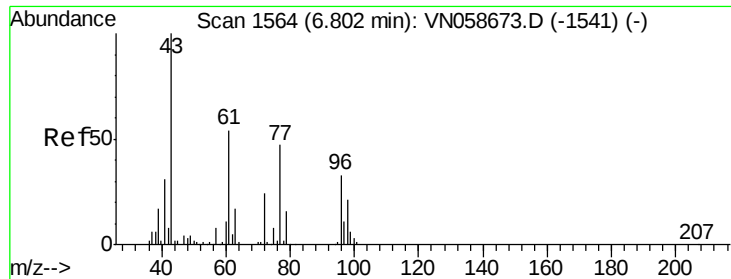
MMDadoda  
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#30  
 2-Butanone  
 Concen: 25.051 ug/l  
 RT: 6.82 min Scan# 1570  
 Delta R.T. 0.01 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 7.9   | 6.5   | 9.7   |
| 72      | 25.3  | 20.1  | 30.1  |





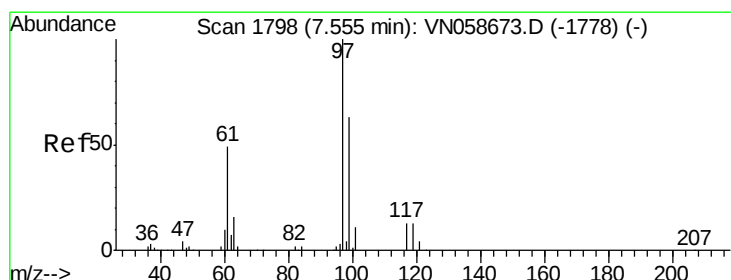
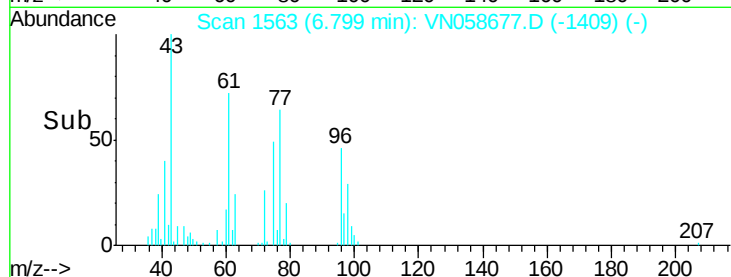
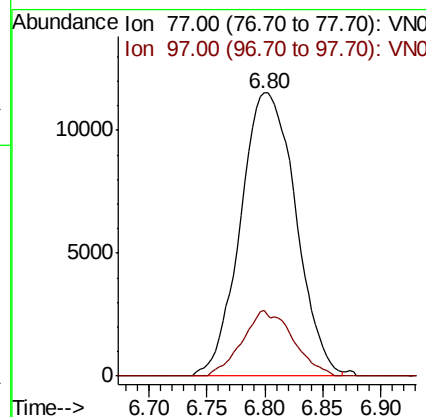
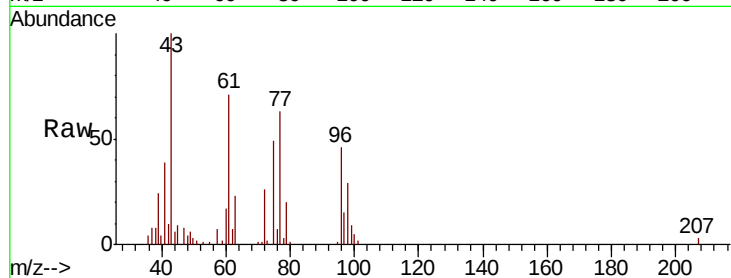
#31  
 2,2-Dichloropropane  
 Concen: 5.223 ug/l  
 RT: 6.80 min Scan# 1563  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 97      | 12.1  | 17.9  | 26.9# |

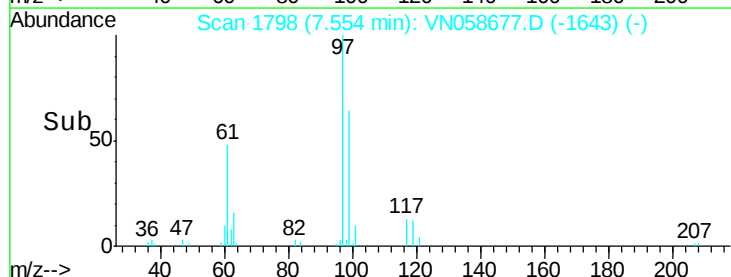
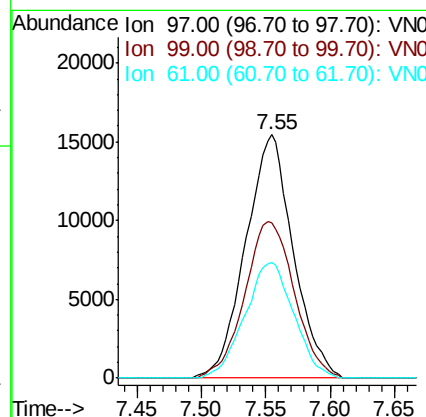
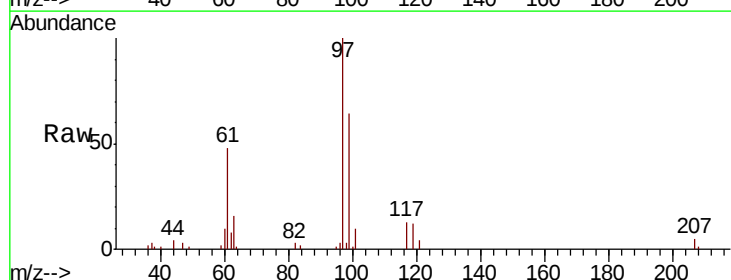
Manual Integrations  
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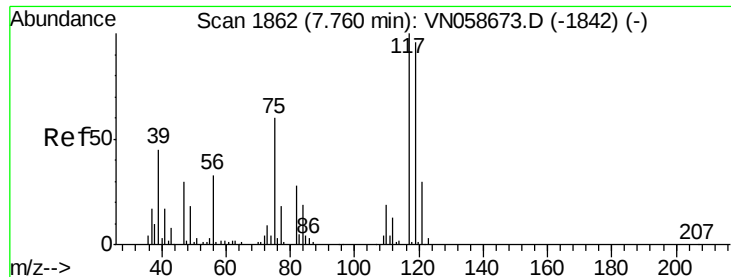
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#32  
 1,1,1-Trichloroethane  
 Concen: 5.526 ug/l  
 RT: 7.55 min Scan# 1798  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 67.2  | 51.3  | 76.9  |
| 61      | 48.8  | 38.4  | 57.6  |





#33

Carbon Tetrachloride

Concen: 5.659 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

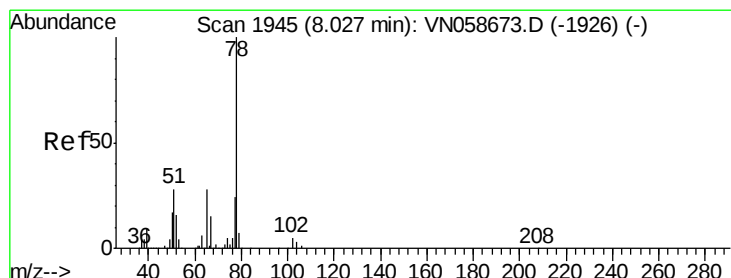
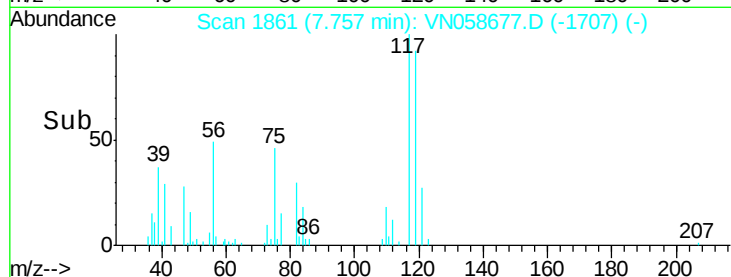
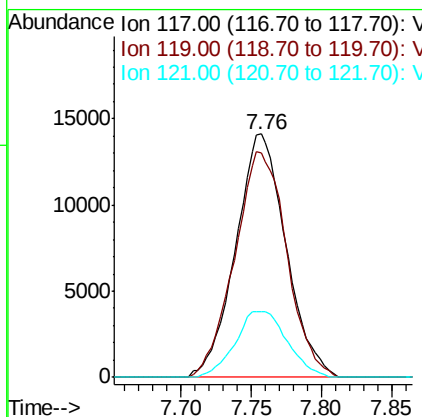
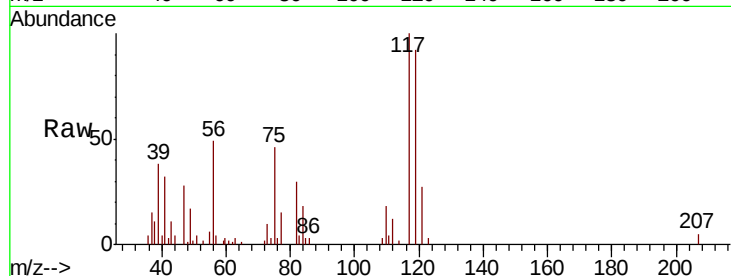
ClientSampleId :

LOQ-WATER-02-QT4-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 117   | Resp: | 35176 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 92.1  | 76.9  | 115.3 |
| 121      | 27.2  | 23.8  | 35.8  |

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#34

Benzene

Concen: 5.573 ug/l

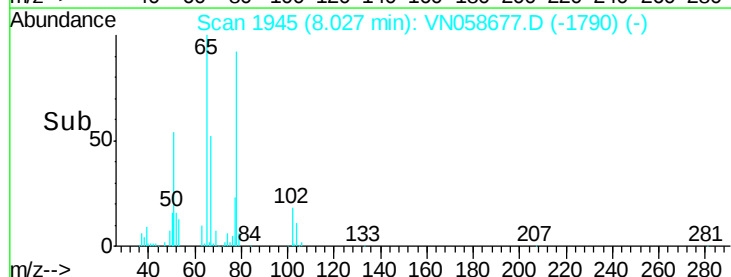
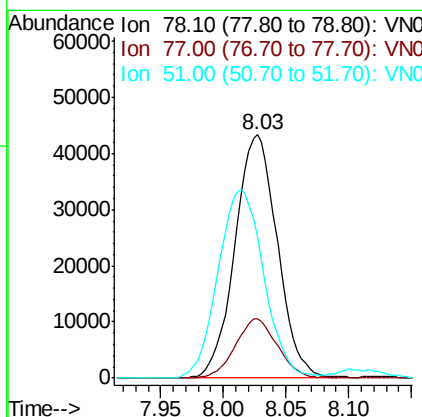
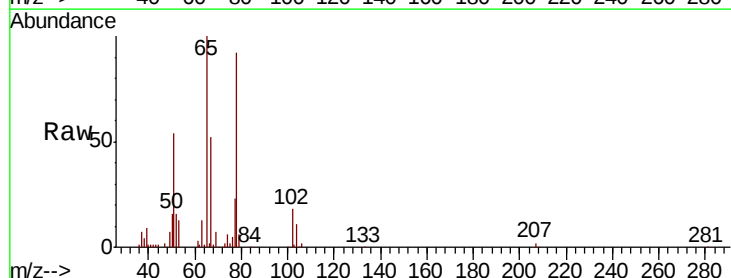
RT: 8.03 min Scan# 1945

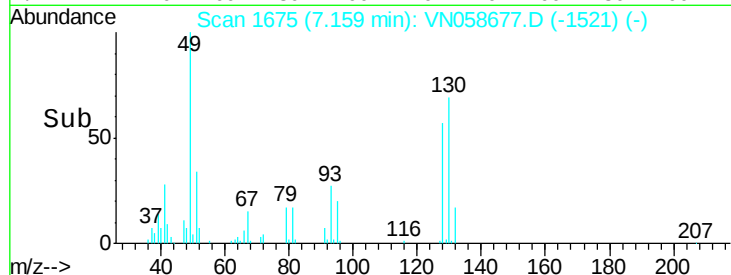
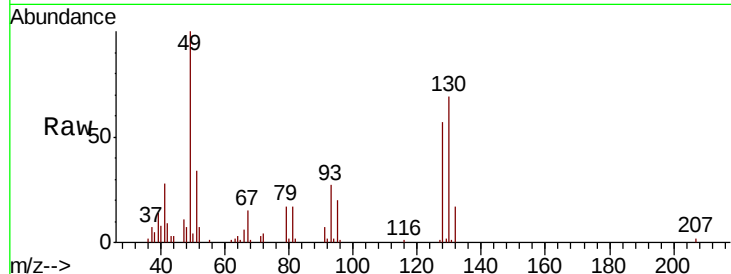
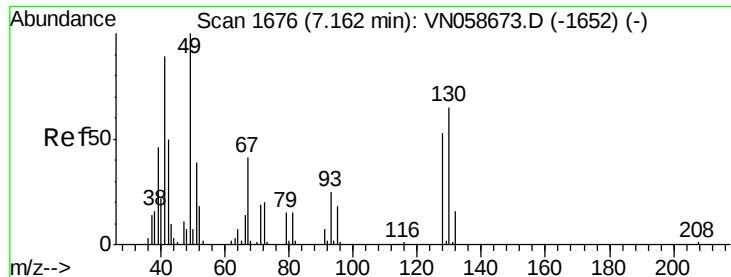
Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 101872 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 24.4  | 19.2  | 28.8   |
| 51       | 55.9  | 22.1  | 33.1#  |





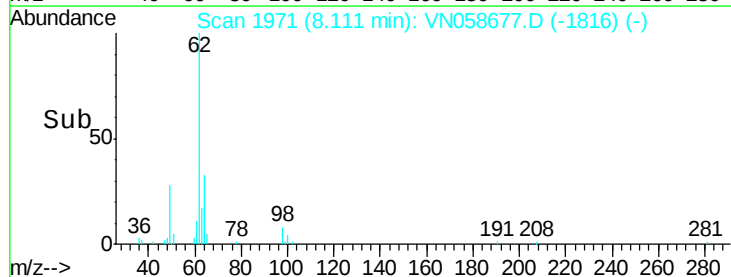
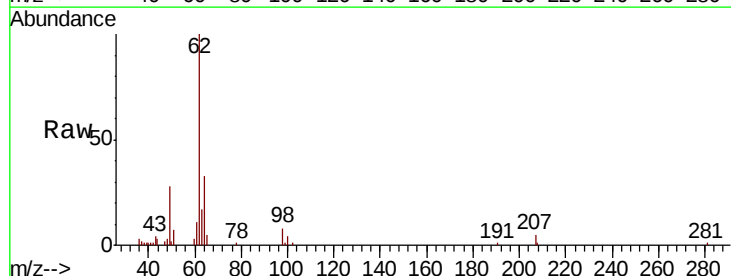
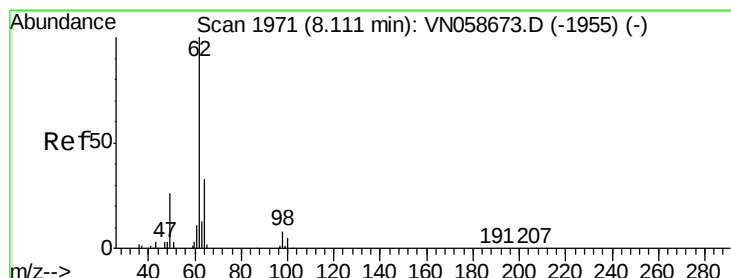
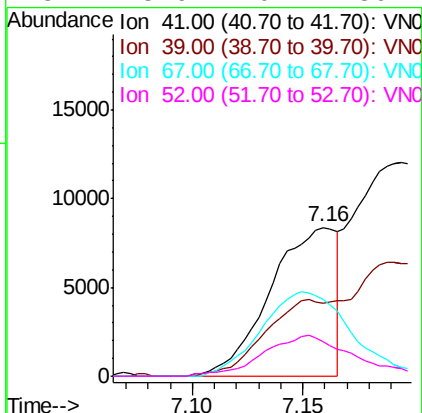
#35  
Methacrylonitrile  
Concen: 5.653 ug/l  
RT: 7.16 min Scan# 1675  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tot Ion | 41    | Resp  | 17522 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 49.1  | 25.8  | 77.4  |
| 67      | 51.5  | 23.0  | 69.0  |
| 52      | 23.6  | 10.1  | 30.1  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

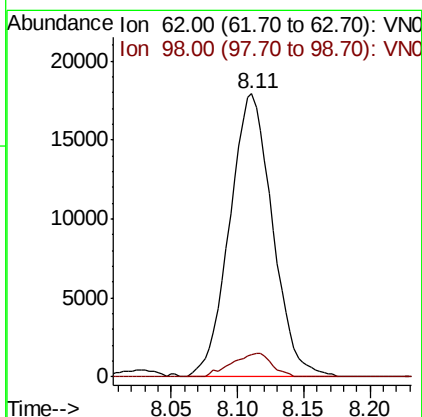
Manual Integrations  
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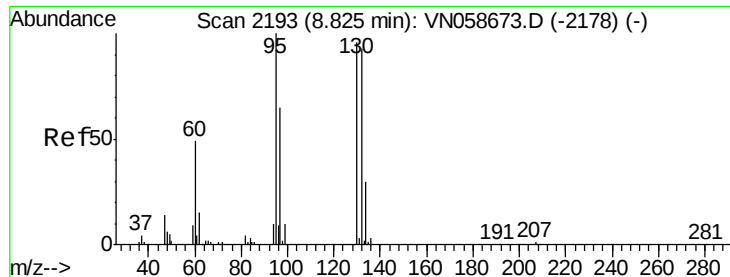
MMDadoda  
10/11/2019 2:47:33 PM



#36  
1,2-Dichloroethane  
Concen: 5.769 ug/l  
RT: 8.11 min Scan# 1971  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tgt Ion | 62    | Resp  | 40322 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 62      | 100   |       |       |
| 98      | 7.4   | 6.4   | 9.6   |





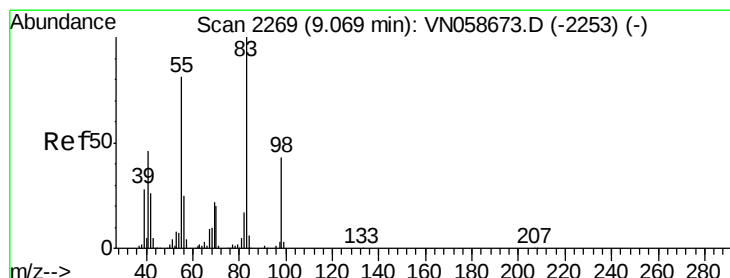
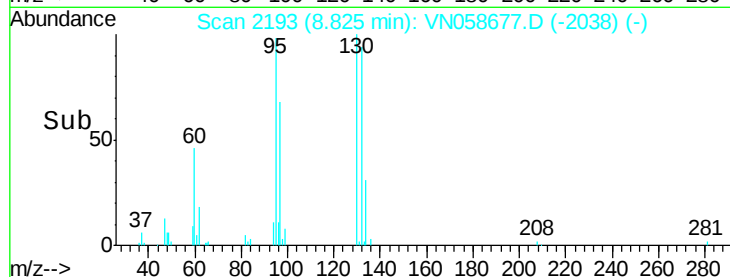
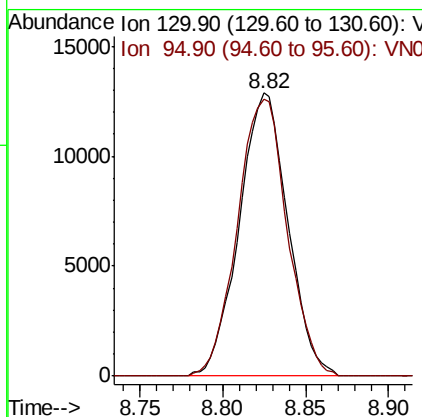
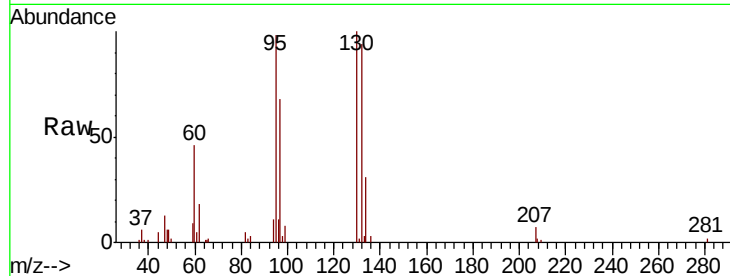
#37  
 Trichloroethene  
 Concen: 5.849 ug/l  
 RT: 8.82 min Scan# 2193  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

Tot Ion:130 Resp: 26266  
 Ion Ratio Lower Upper  
 130 100  
 95 98.0 83.2 124.8

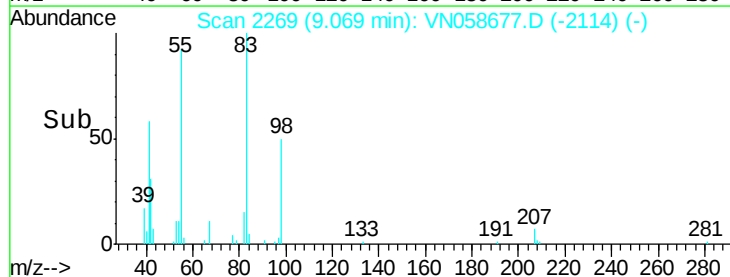
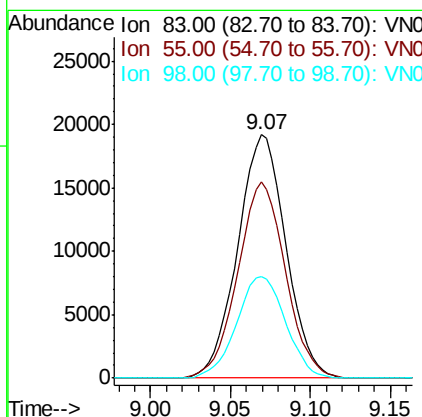
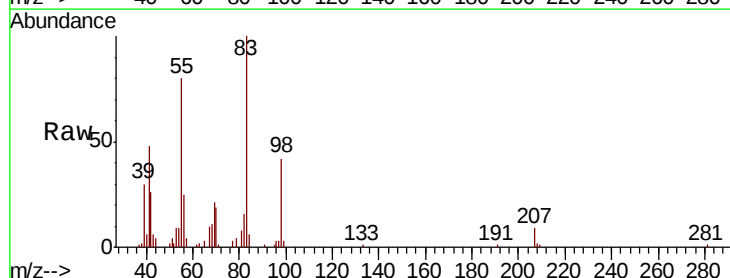
Manual Integrations  
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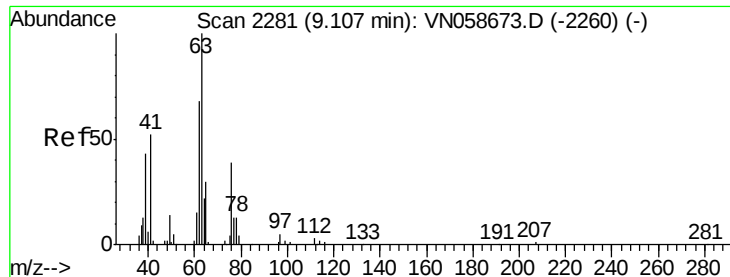
MMDadoda  
 10/11/2019 2:47:33 PM



#38  
 Methylcyclohexane  
 Concen: 5.494 ug/l  
 RT: 9.07 min Scan# 2269  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

Tgt Ion: 83 Resp: 39552  
 Ion Ratio Lower Upper  
 83 100  
 55 79.8 40.4 121.1  
 98 42.2 21.6 65.0





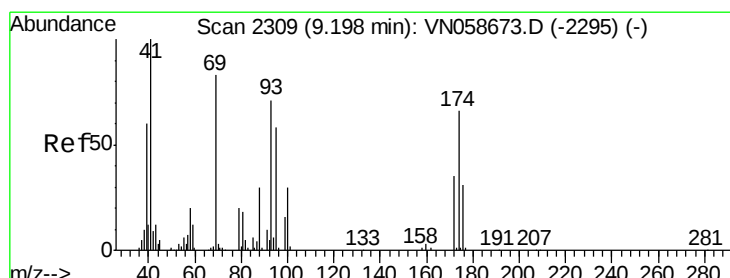
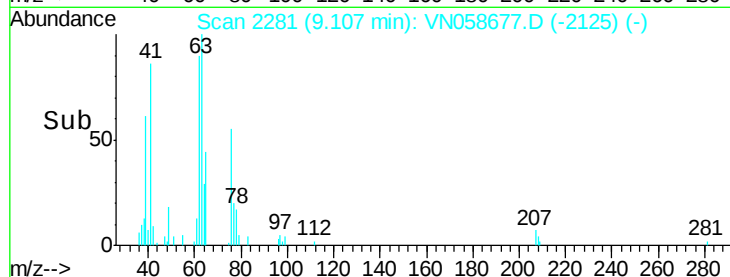
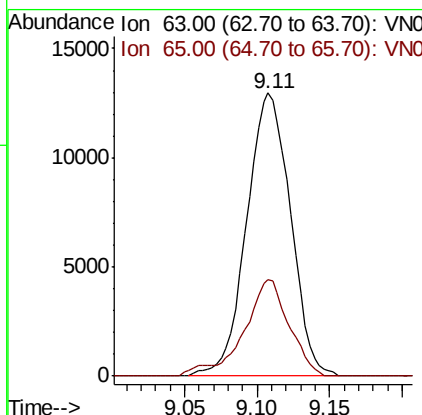
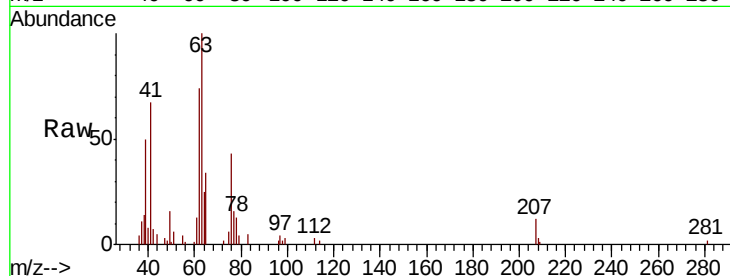
#39  
 1,2-Dichloropropane  
 Concen: 5.460 ug/l  
 RT: 9.11 min Scan# 2281  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 34.3  | 23.8  | 35.6  |

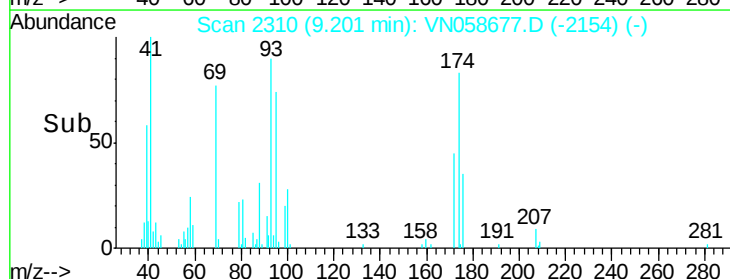
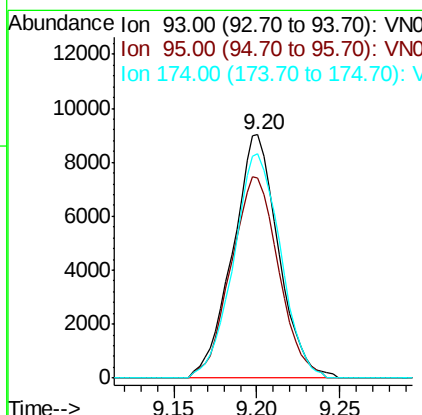
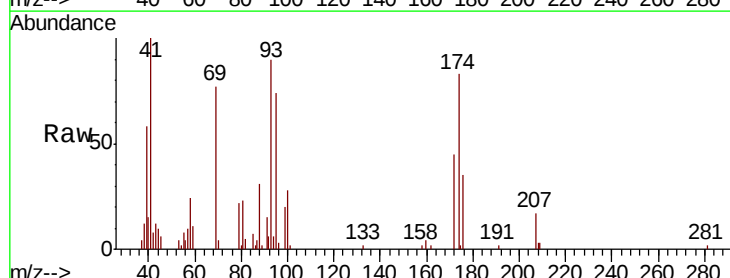
Manual Integrations  
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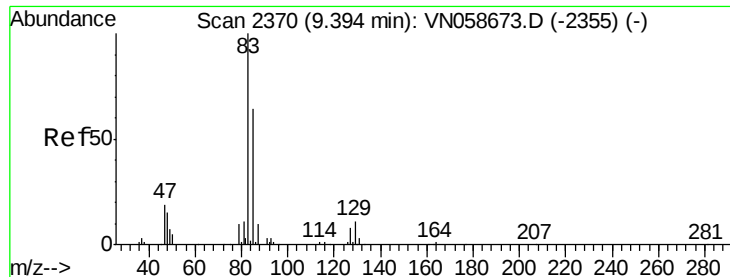
MMDadoda  
 10/11/2019 2:47:33 PM



#40  
 Dibromomethane  
 Concen: 5.485 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. 0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 85.9  | 0.0   | 167.6 |
| 174     | 94.5  | 0.0   | 187.2 |





#41

Bromodichloromethane

Concen: 5.306 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

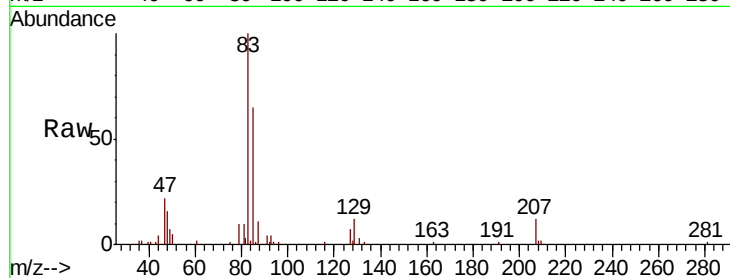
ClientSampleId :

LOQ-WATER-02-QT4-2019

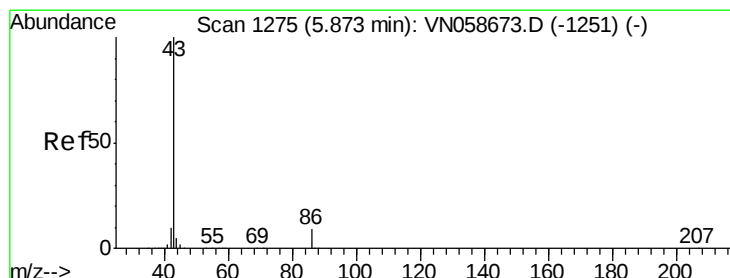
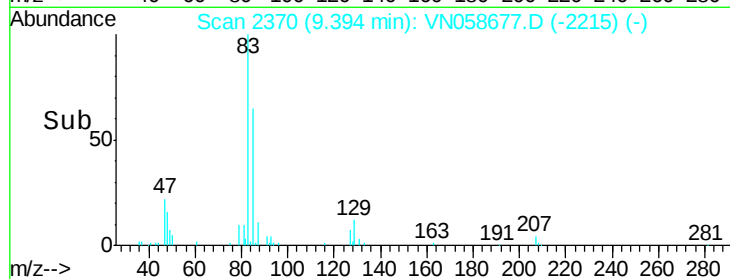
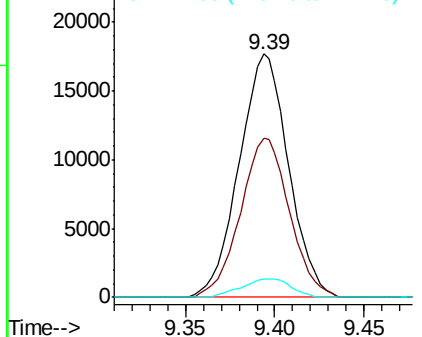
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 34188 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 65.4  | 51.0  | 76.4  |
| 127       | 7.5   | 6.6   | 9.8   |

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Abundance Ion 83.00 (82.70 to 83.70): VN058677.D (-2215) (-)



#42

Vinyl Acetate

Concen: 26.620 ug/l

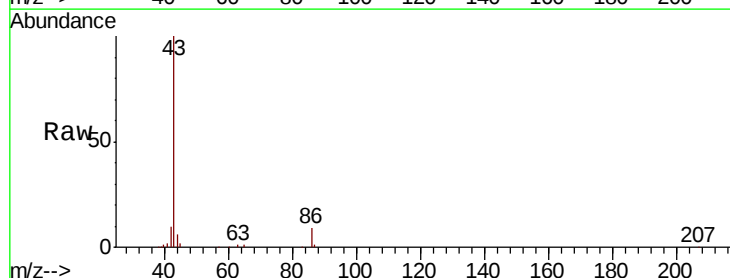
RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

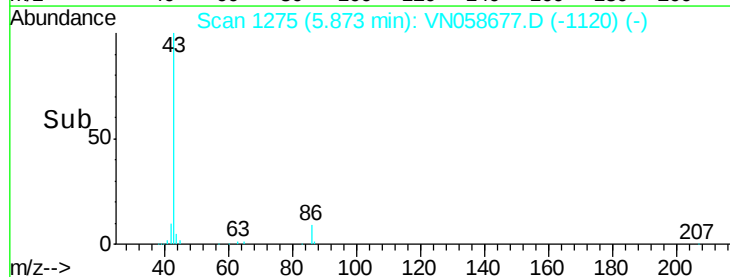
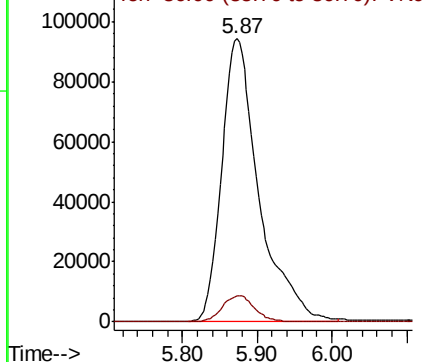
Lab File: VN058677.D

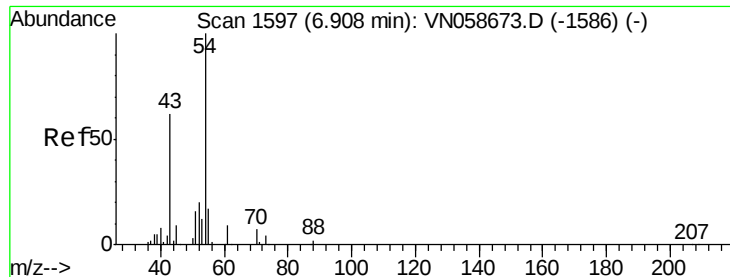
Acq: 10 Oct 2019 20:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 327131 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 86        | 8.1   | 6.5   | 9.7    |



Abundance Ion 43.00 (42.70 to 43.70): VN058677.D (-1120) (-)





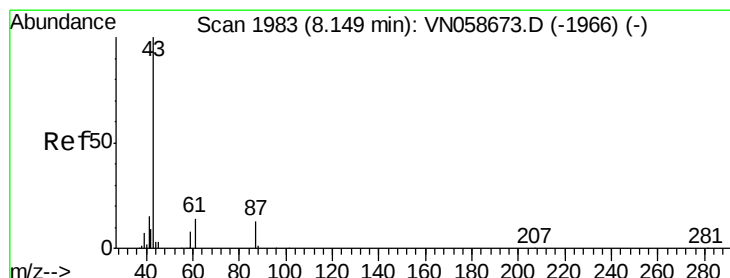
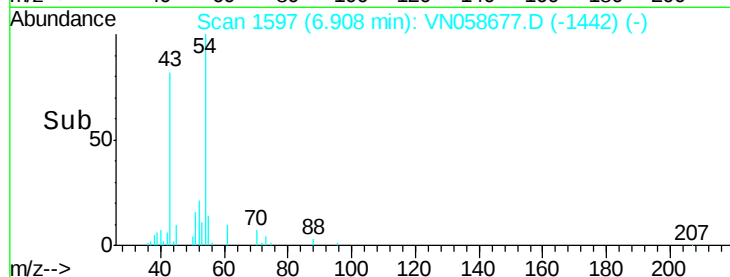
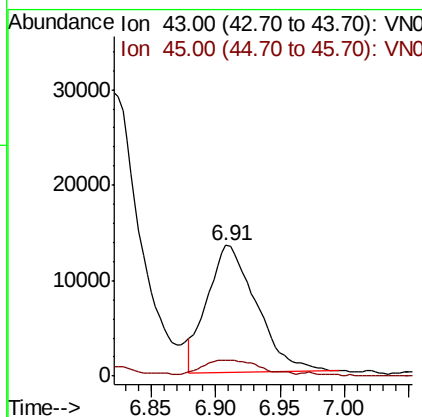
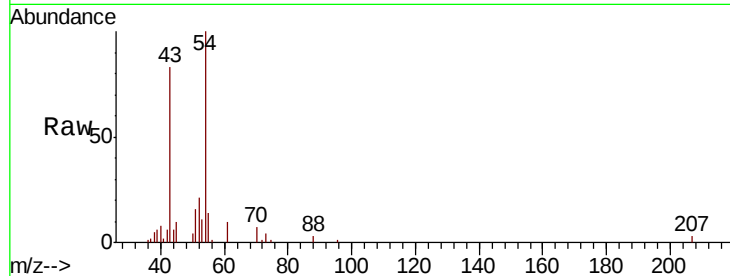
#43  
Ethyl Acetate  
Concen: 5.122 ug/l  
RT: 6.91 min Scan# 1597  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 35272  
Ion Ratio Lower Upper  
43 100  
45 11.1 9.7 14.5

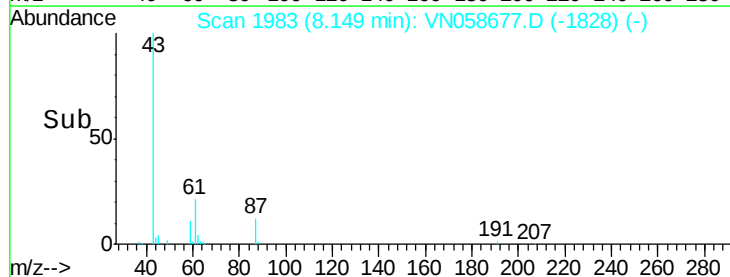
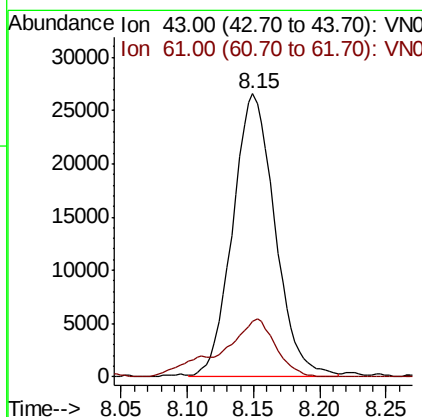
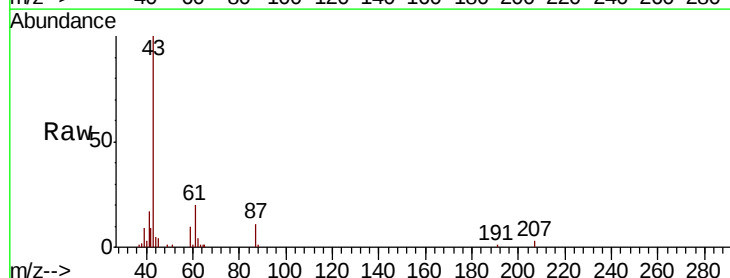
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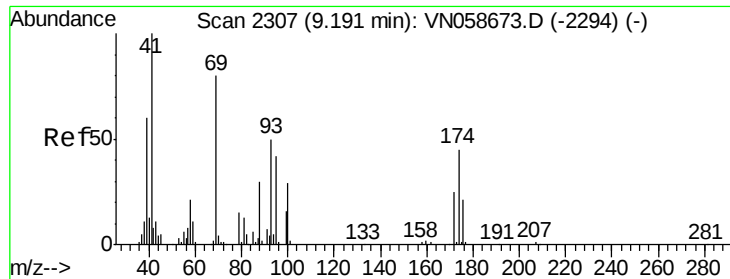
MMDadoda  
10/11/2019 2:47:33 PM



#44  
Isopropyl Acetate  
Concen: 5.298 ug/l  
RT: 8.15 min Scan# 1983  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Tgt Ion: 43 Resp: 59107  
Ion Ratio Lower Upper  
43 100  
61 20.5 19.9 29.9





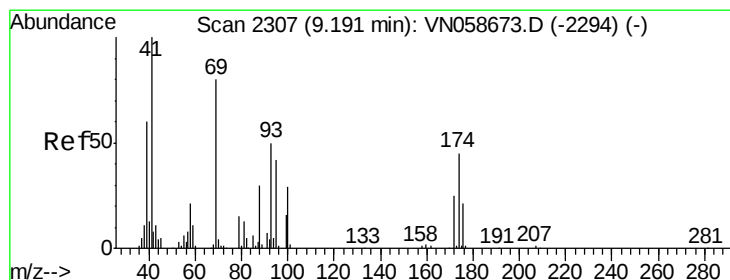
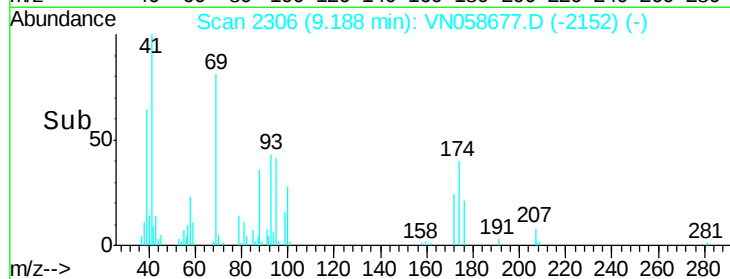
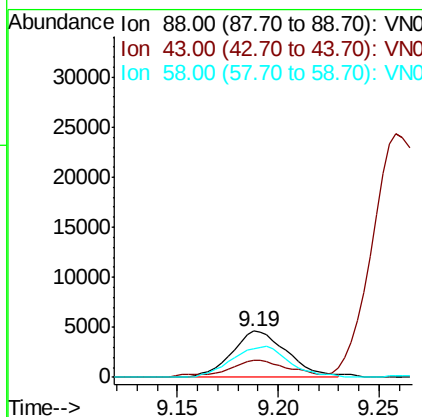
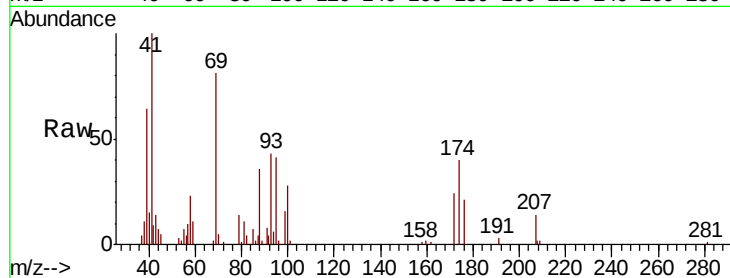
#45  
1,4-Dioxane  
Concen: 104.553 ug/l  
RT: 9.19 min Scan# 2306  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.6  | 29.8  | 44.8  |
| 58      | 68.8  | 58.2  | 87.4  |

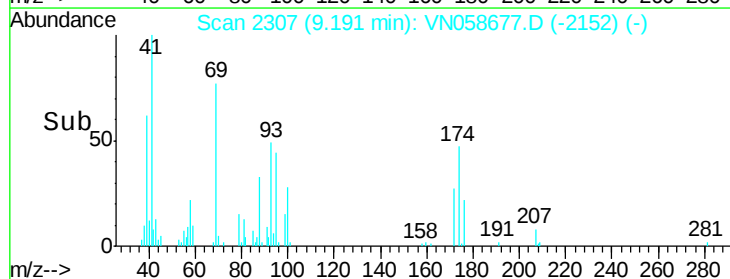
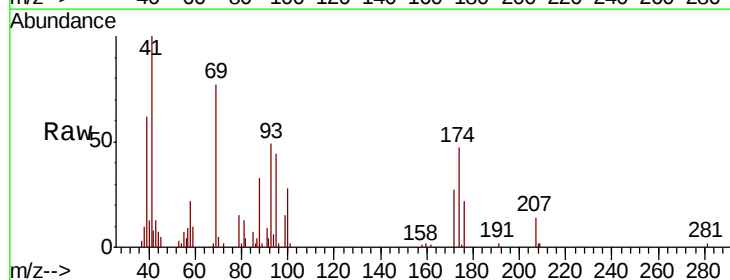
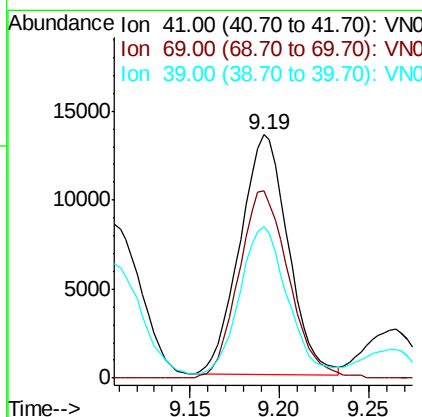
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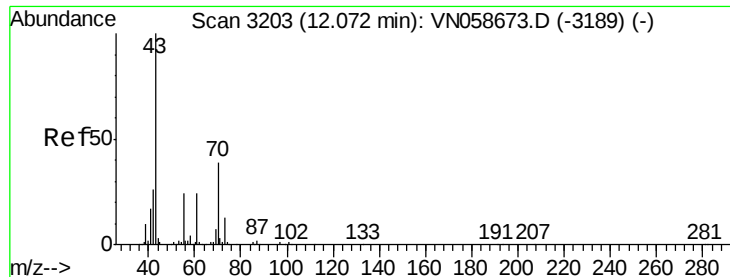
MMDadoda  
10/11/2019 2:47:33 PM



#46  
Methyl methacrylate  
Concen: 4.963 ug/l  
RT: 9.19 min Scan# 2307  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 78.2  | 40.2  | 120.5 |
| 39      | 61.2  | 29.9  | 89.8  |





#47

n-amvl Acetate

Concen: 4.572 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 45209

Ion Ratio Lower Upper

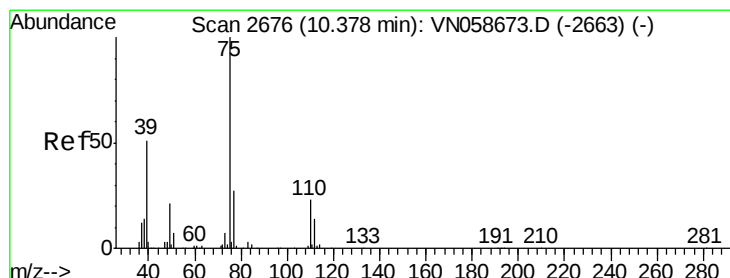
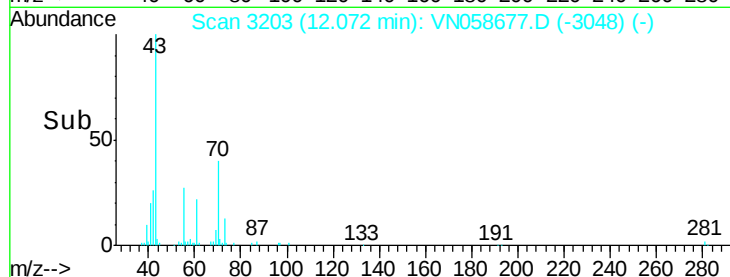
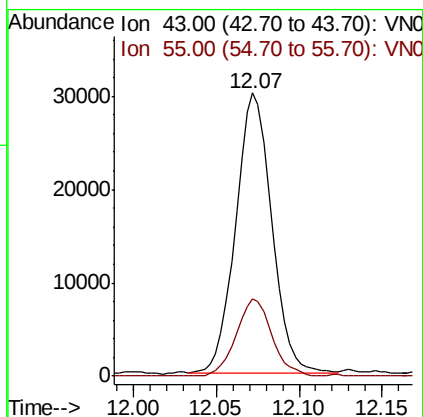
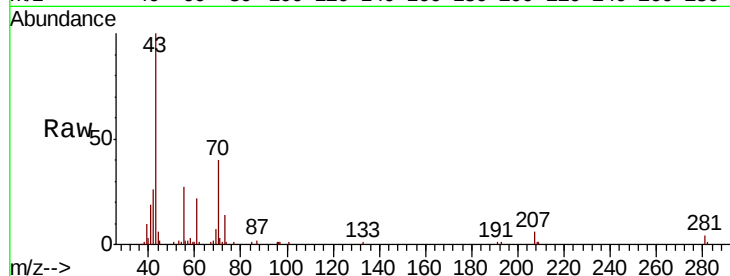
43 100

55 27.3 19.6 29.4

Manual Integrations  
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MMDadoda

10/11/2019 2:47:33 PM



#48

t-1,3-Dichloropropene

Concen: 5.142 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058677.D

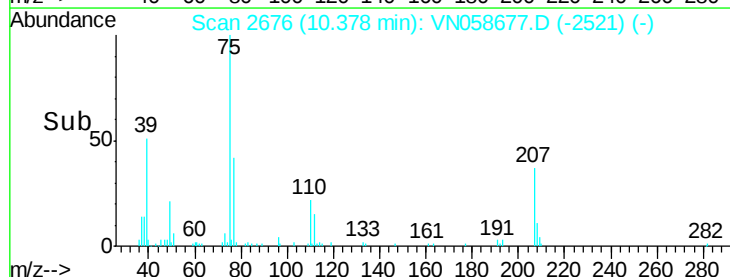
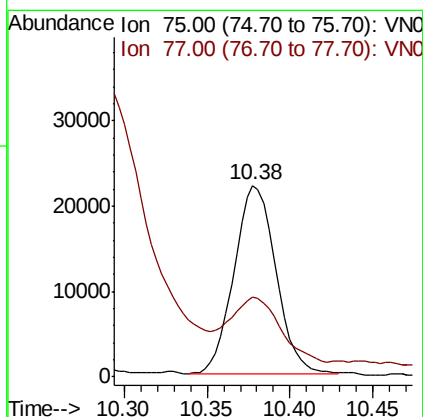
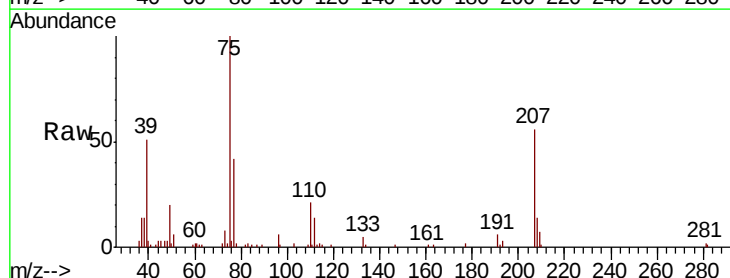
Acq: 10 Oct 2019 20:24

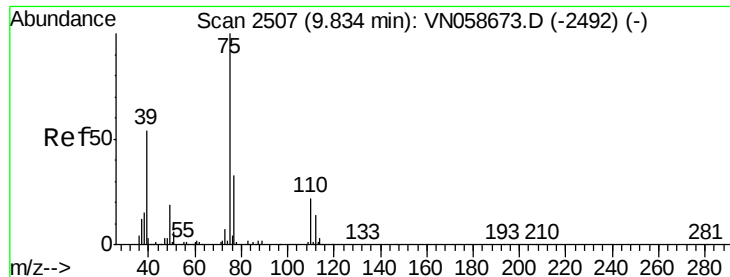
Tgt Ion: 75 Resp: 38420

Ion Ratio Lower Upper

75 100

77 33.9 27.0 40.4





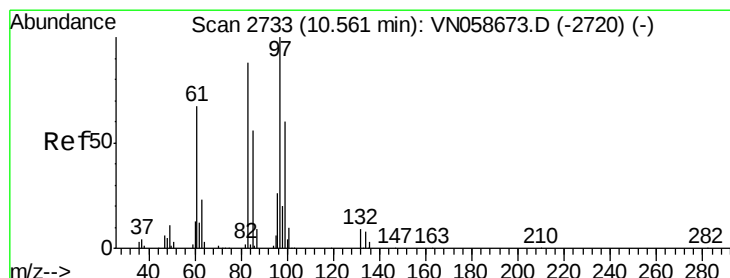
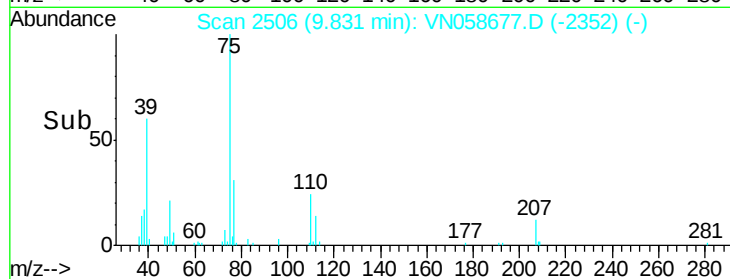
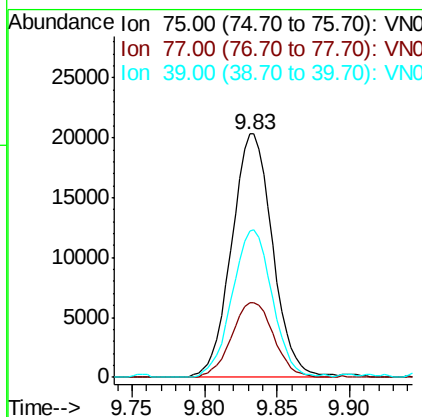
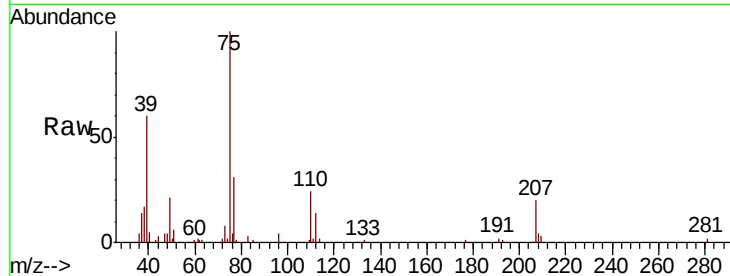
#49  
 cis-1,3-Dichloropropene  
 Concen: 5.089 ug/l  
 RT: 9.83 min Scan# 2506  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.6  | 26.1  | 39.1  |
| 39      | 60.3  | 43.1  | 64.7  |

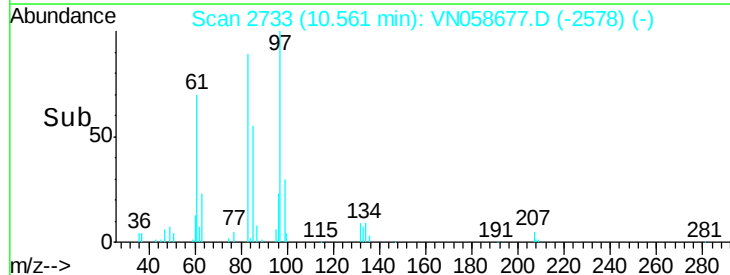
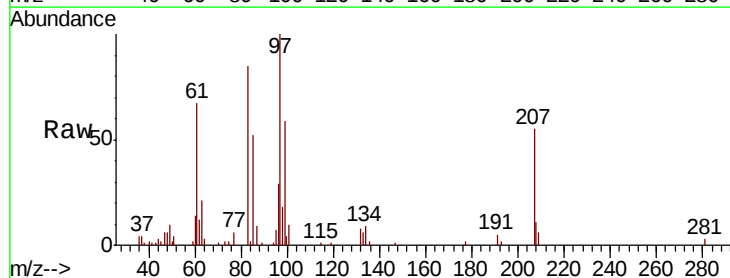
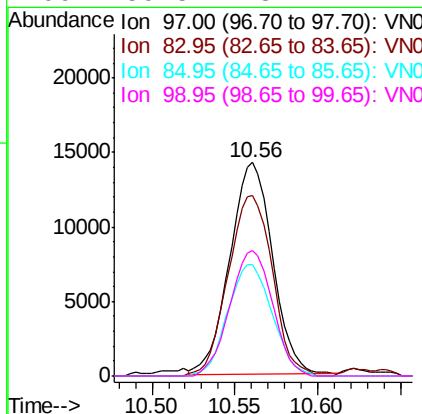
Manual Integrations  
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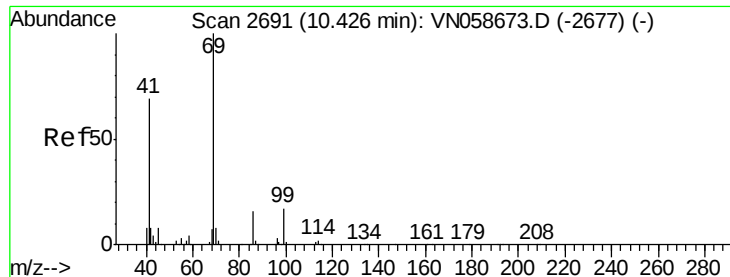
MMDadoda  
 10/11/2019 2:47:33 PM



#50  
 1,1,2-Trichloroethane  
 Concen: 5.668 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 84.7  | 70.7  | 106.1 |
| 85      | 52.9  | 45.1  | 67.7  |
| 99      | 59.5  | 48.2  | 72.4  |





#51

Ethyl methacrylate

Concen: 5.041 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

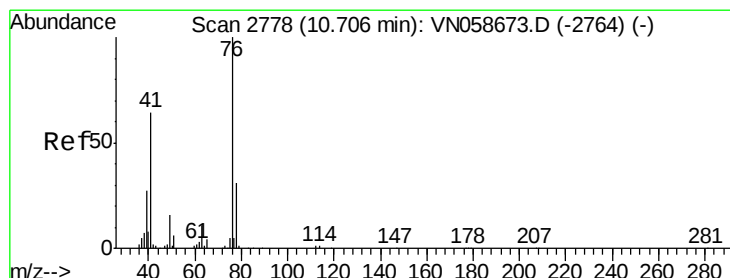
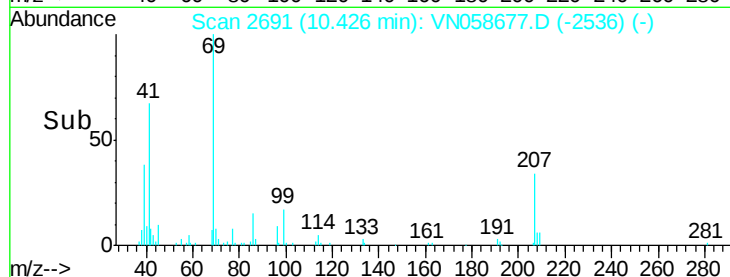
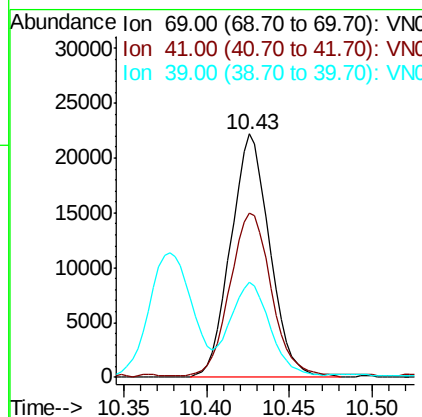
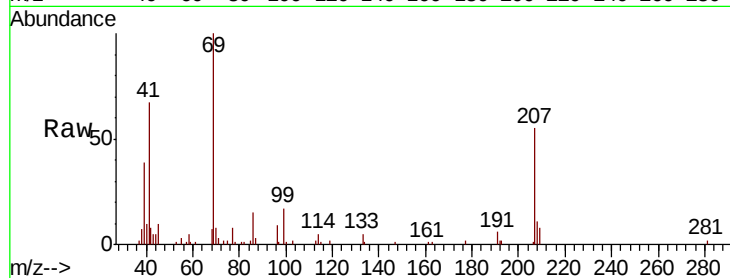
ClientSampleId :

LOQ-WATER-02-QT4-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 69    | Resp: | 36291 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 66.4  | 34.7  | 104.1 |
| 39       | 37.7  | 20.3  | 60.8  |

Manual Integrations  
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MMDadoda  
10/11/2019 2:47:33 PM



#52

1,3-Dichloropropane

Concen: 5.556 ug/l

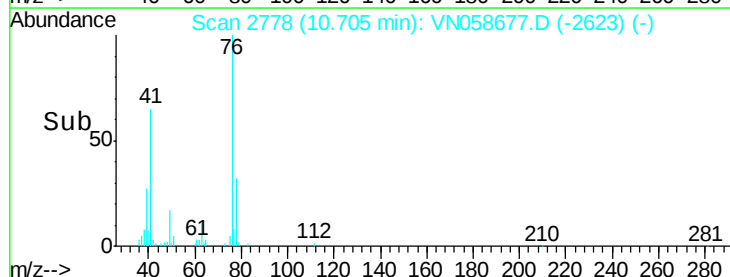
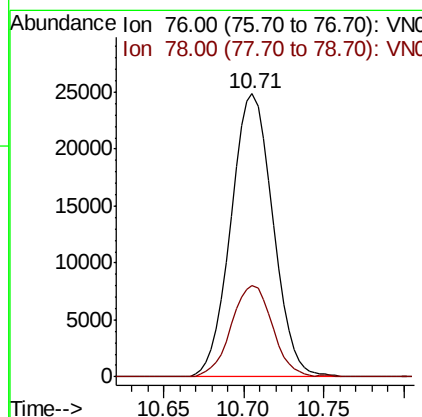
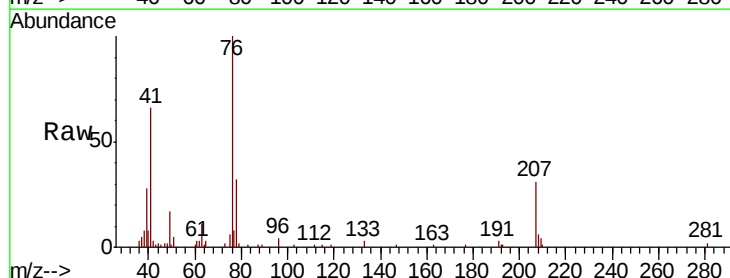
RT: 10.71 min Scan# 2778

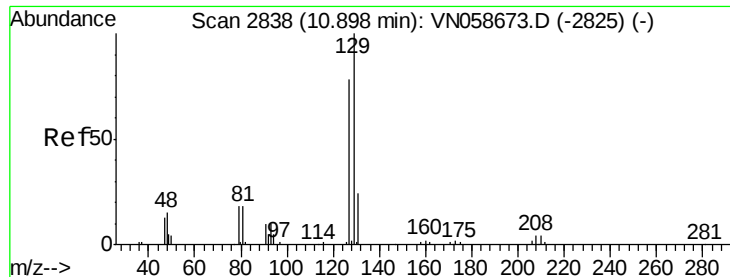
Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 76    | Resp: | 44548 |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 78       | 31.7  | 0.0   | 63.2  |





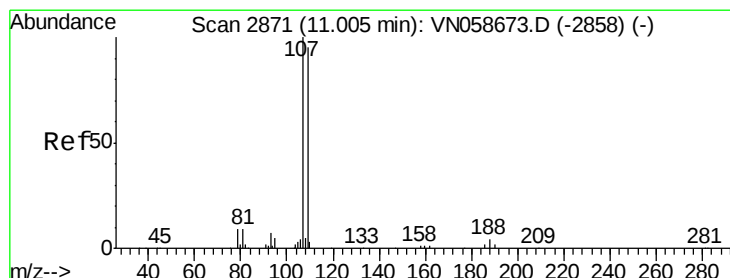
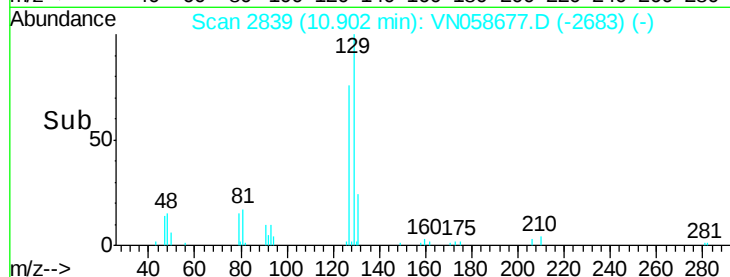
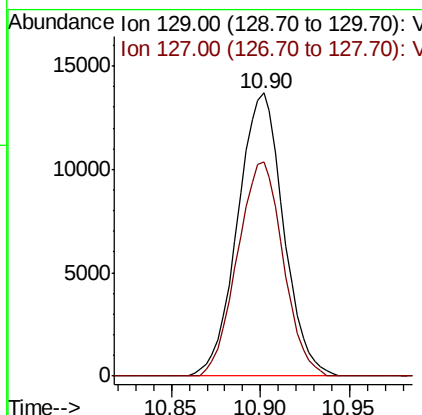
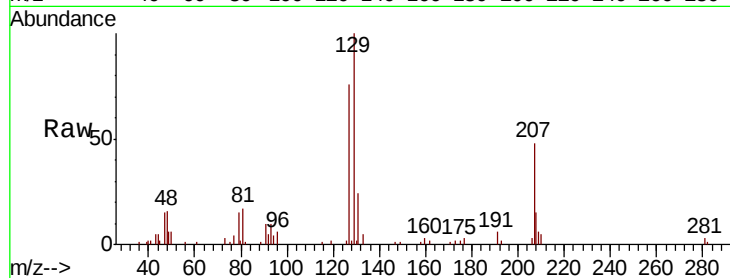
#53  
Dibromochloromethane  
Concen: 5.077 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion:129 Resp: 24531  
Ion Ratio Lower Upper  
129 100  
127 75.4 39.1 117.5

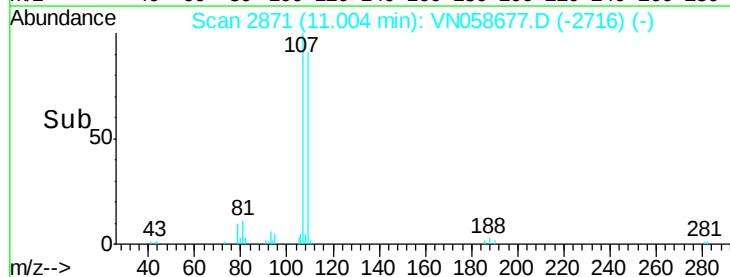
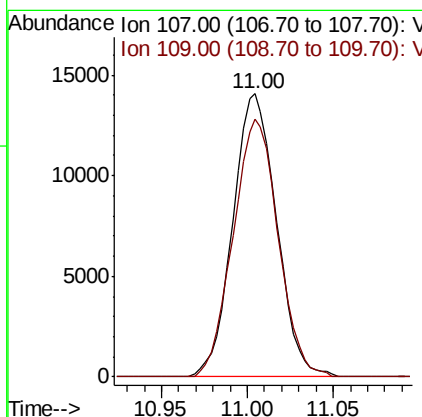
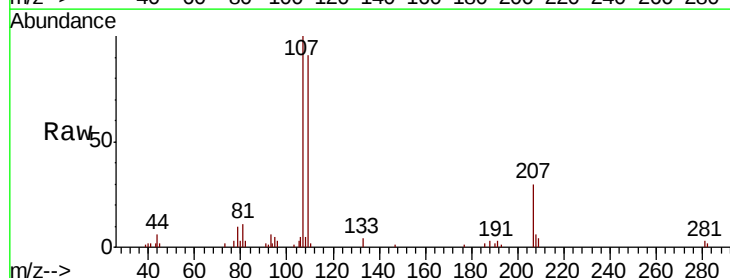
Manual Integrations  
APPROVED

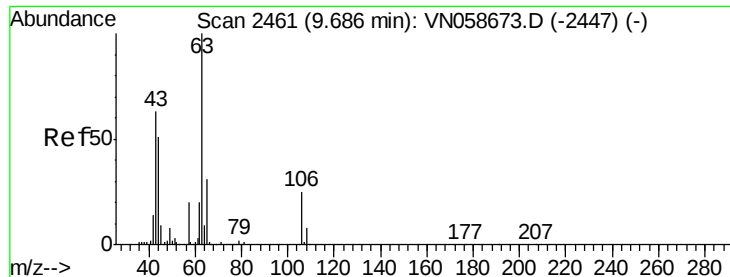
MMDadoda  
10/11/2019 2:47:33 PM



#54  
1,2-Dibromoethane  
Concen: 5.311 ug/l  
RT: 11.00 min Scan# 2871  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Tgt Ion:107 Resp: 24783  
Ion Ratio Lower Upper  
107 100  
109 93.8 76.2 114.4





#55

2-Chloroethyl vinyl ether

Concen: 23.613 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

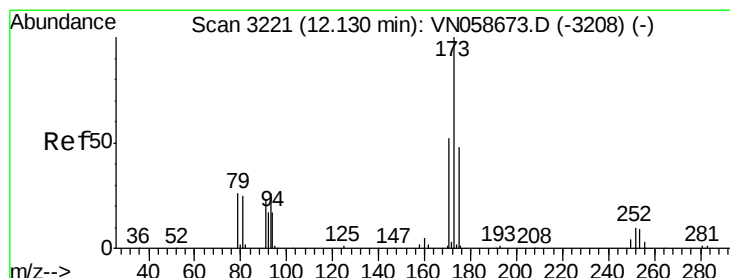
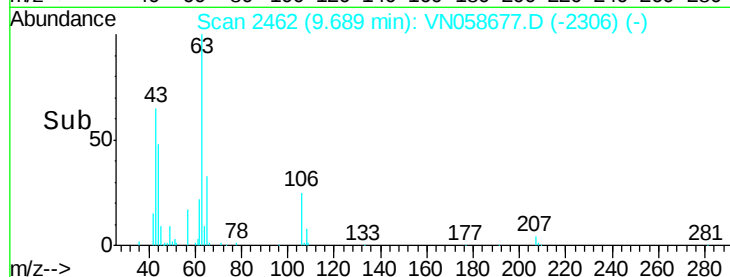
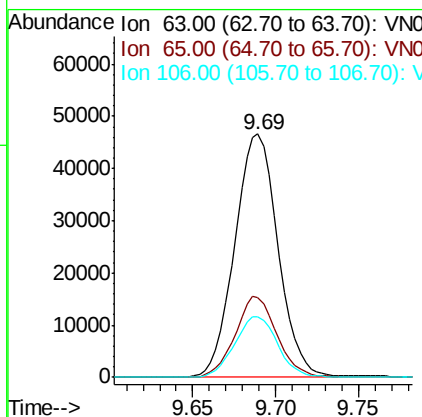
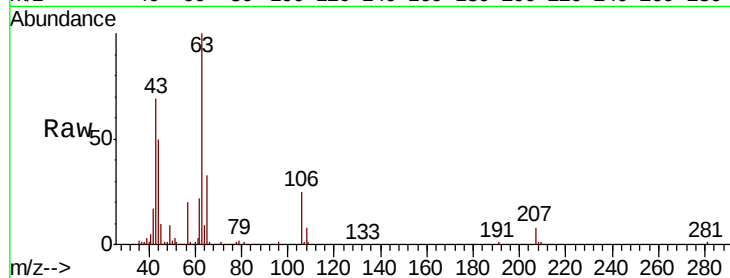
ClientSampleId :

LOQ-WATER-02-QT4-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 63    | Resp: | 84557 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 65        | 32.0  | 25.3  | 37.9  |
| 106       | 24.9  | 19.8  | 29.6  |

Manual Integrations  
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10/11/2019 2:47:33 PM



#56

Bromoform

Concen: 4.904 ug/l

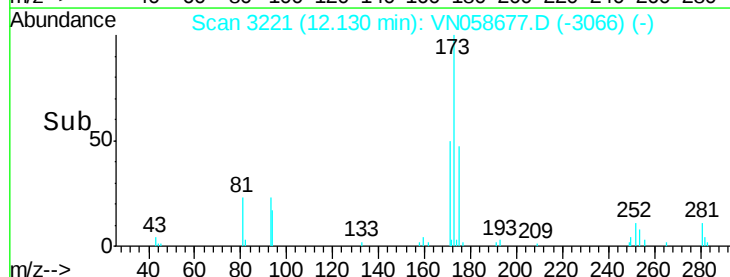
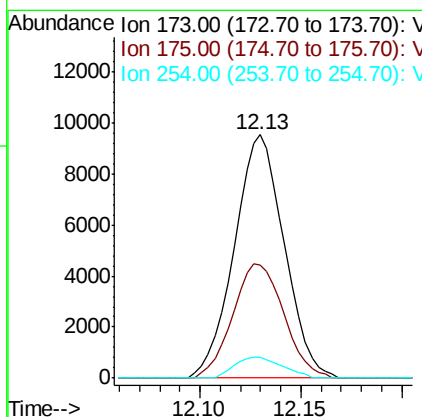
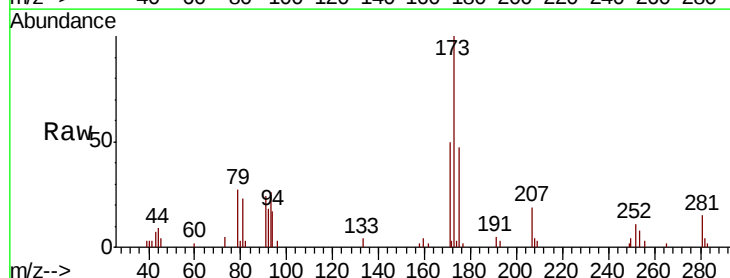
RT: 12.13 min Scan# 3221

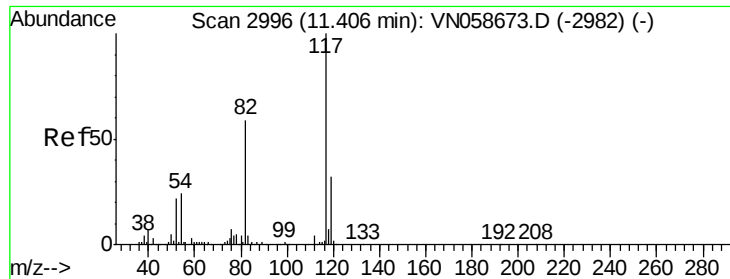
Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 16505 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.0  | 38.7  | 58.1  |
| 254       | 8.2   | 7.4   | 11.2  |





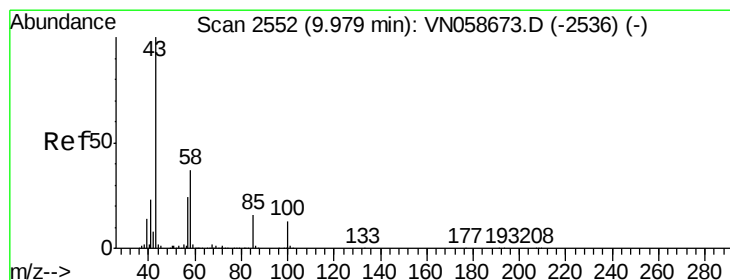
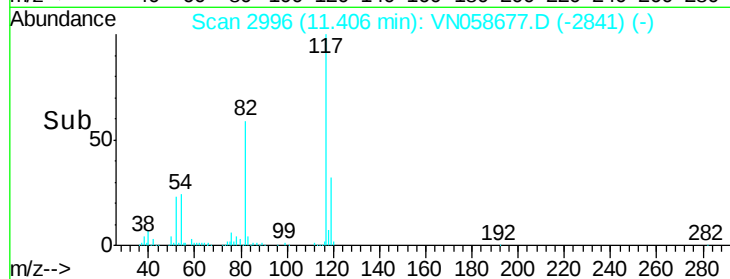
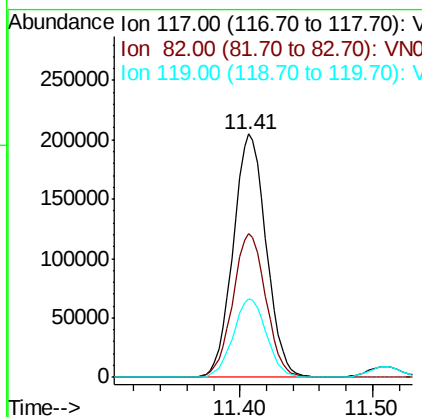
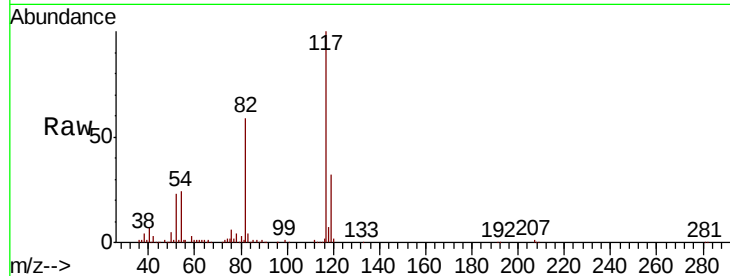
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 353817 |       |       |
| 82      | 59.1  | 46.9   | 70.3  |       |
| 119     | 32.6  | 25.8   | 38.6  |       |

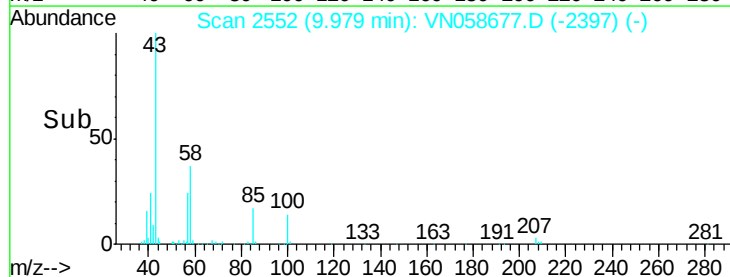
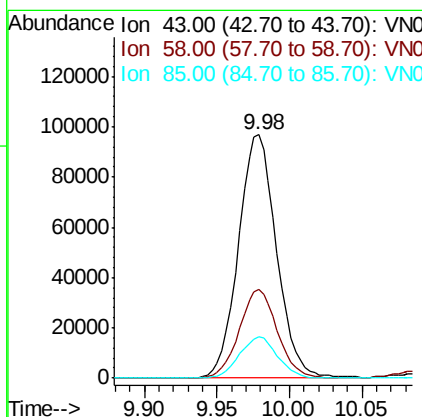
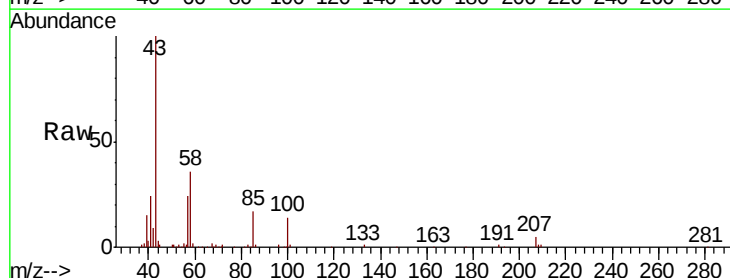
Manual Integrations  
APPROVED

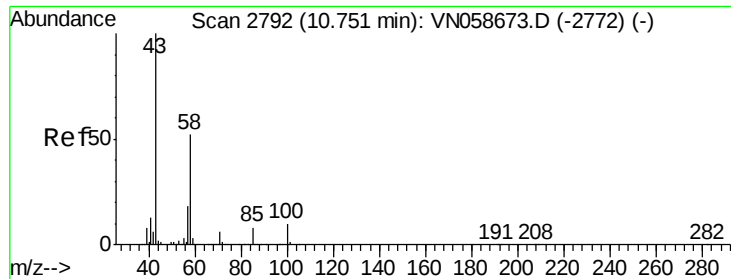
MMDadoda  
10/11/2019 2:47:33 PM



#58  
4-Methyl-2-Pentanone  
Concen: 27.387 ug/l  
RT: 9.98 min Scan# 2552  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 176774 |       |       |
| 58      | 36.5  | 30.1   | 45.1  |       |
| 85      | 16.9  | 13.2   | 19.8  |       |





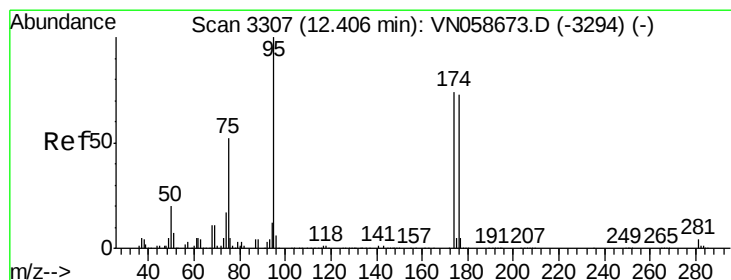
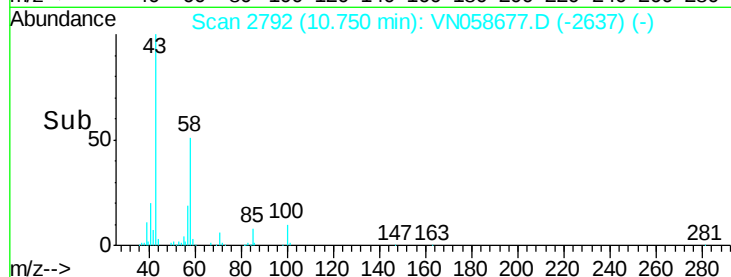
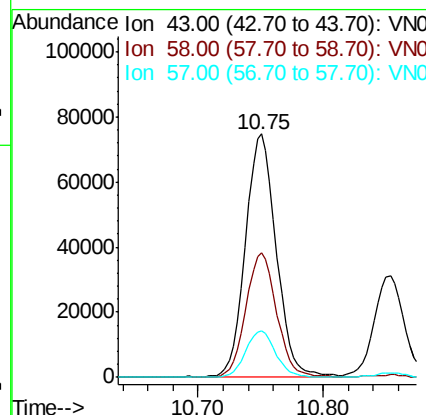
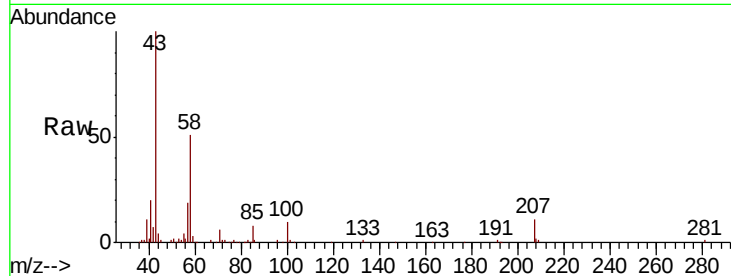
#59  
2-Hexanone  
Concen: 25.069 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 51.3  | 41.4  | 62.0  |
| 57      | 18.8  | 14.7  | 22.1  |

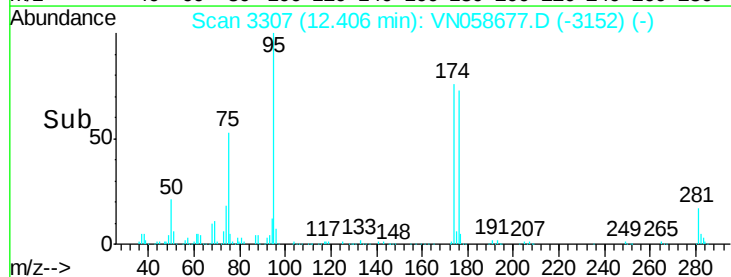
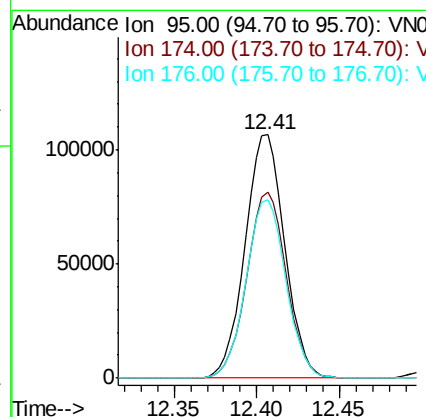
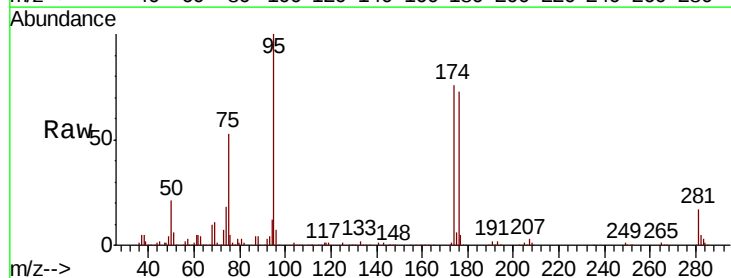
Manual Integrations  
APPROVED

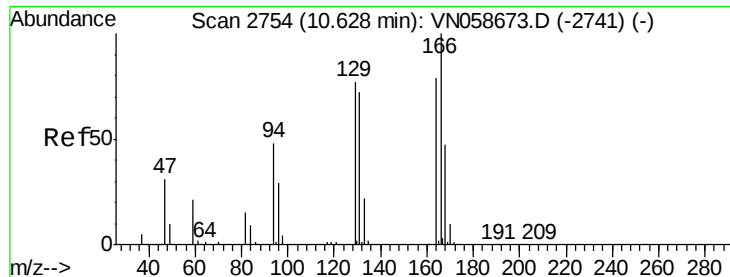
MMDadoda  
10/11/2019 2:47:33 PM



#60  
4-Bromofluorobenzene  
Concen: 28.586 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 76.3  | 59.9  | 89.9  |
| 176     | 74.1  | 58.3  | 87.5  |





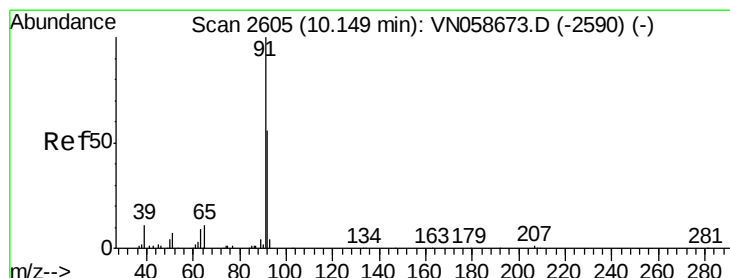
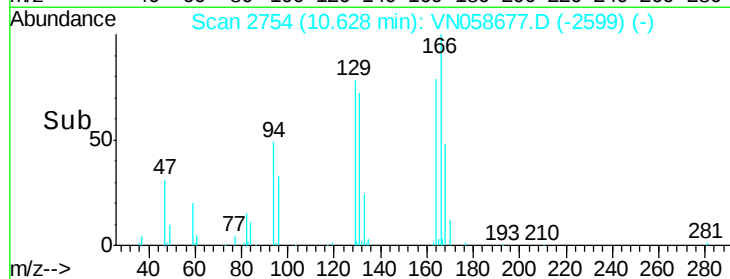
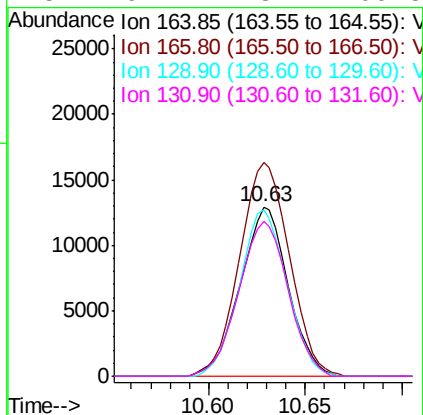
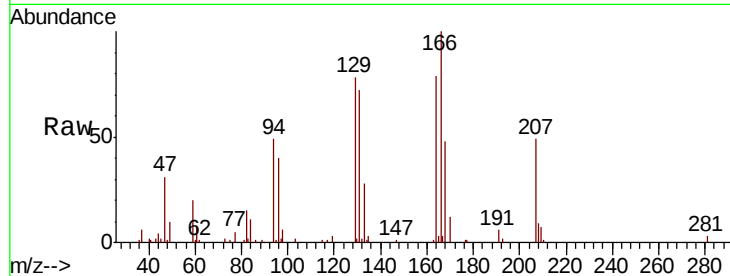
#61  
Tetrachloroethene  
Concen: 5.839 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.1 | 101.4 | 152.2 |
| 129     | 98.4  | 78.1  | 117.1 |
| 131     | 91.1  | 73.2  | 109.8 |

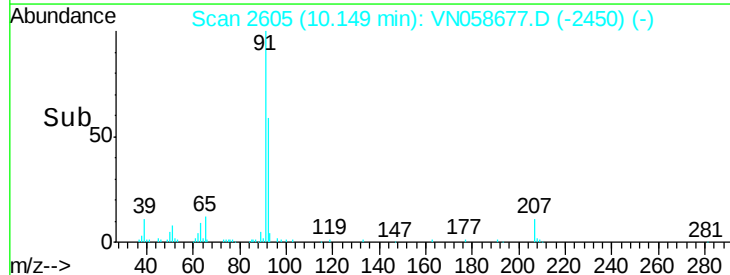
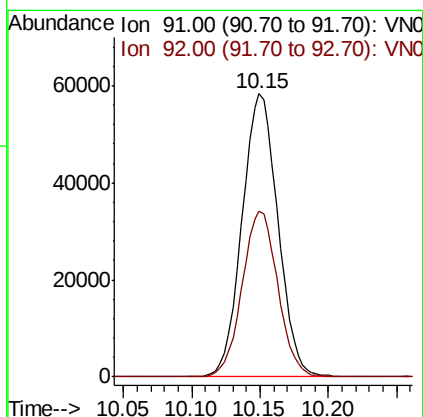
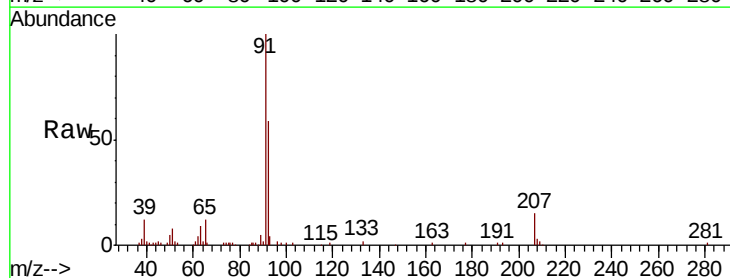
Manual Integrations  
APPROVED

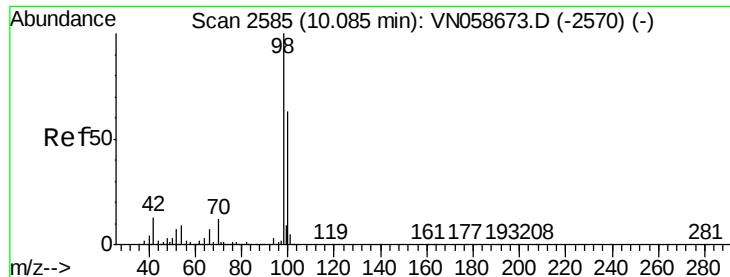
MMDadoda  
10/11/2019 2:47:33 PM



#62  
Toluene  
Concen: 5.592 ug/l  
RT: 10.15 min Scan# 2605  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 58.2  | 45.4  | 68.2  |





#63

Toluene-d8

Concen: 30.057 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 98 Resp: 502121

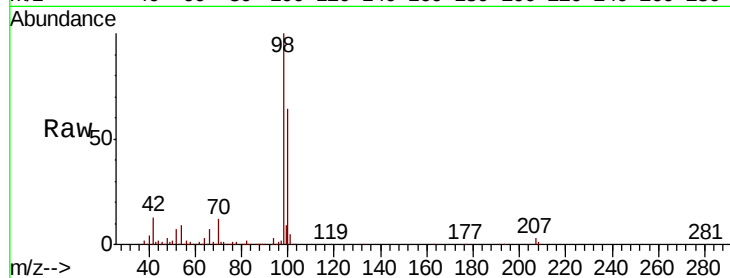
Ion Ratio Lower Upper

98 100

100 64.4 50.6 75.8

Manual Integrations  
APPROVED

MMDadoda  
10/11/2019 2:47:33 PM



Abundance Ion 98.00 (97.70 to 98.70): VN058677.D (-2430) (-)

Ion 100.00 (99.70 to 100.70): VN058677.D (-2430) (-)

10.08

250000

200000

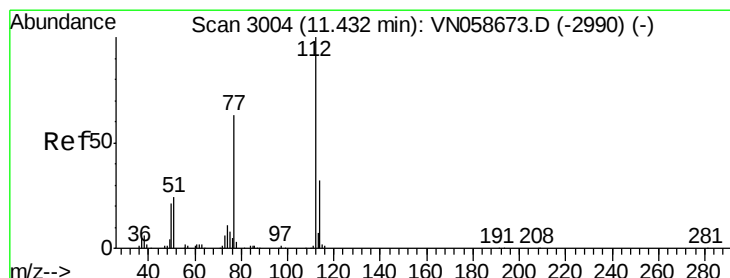
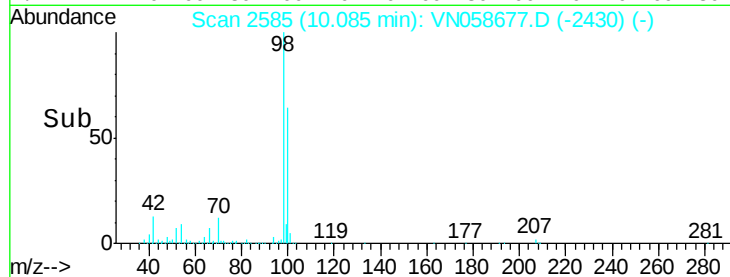
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 5.570 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058677.D

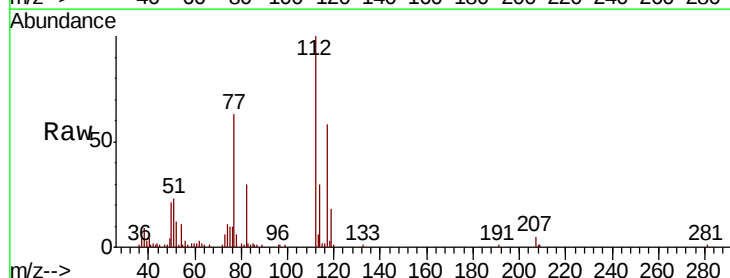
Acq: 10 Oct 2019 20:24

Tgt Ion: 112 Resp: 64810

Ion Ratio Lower Upper

112 100

114 30.2 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN058677.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN058677.D (-2849) (-)

11.43

40000

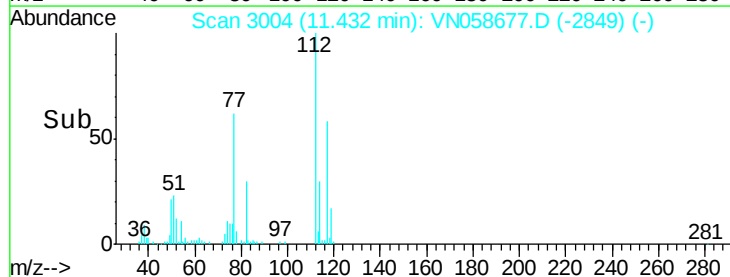
30000

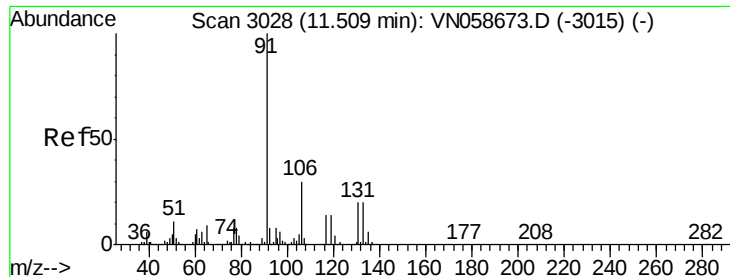
20000

10000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 5.421 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

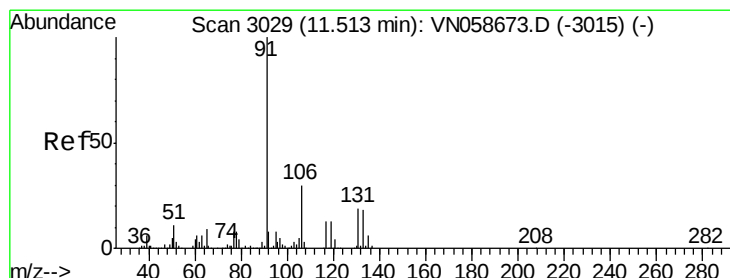
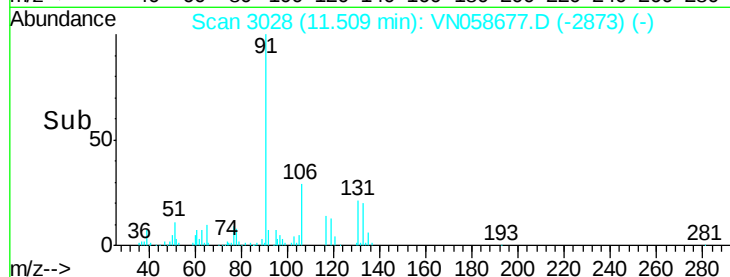
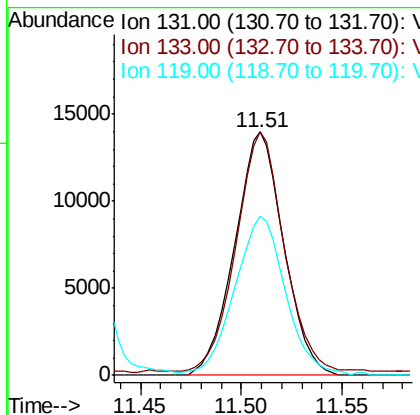
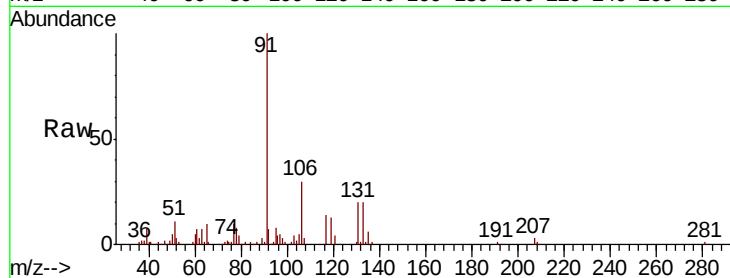
ClientSampleId :

LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.8  | 0.0   | 194.0 |
| 119     | 68.2  | 0.0   | 136.8 |

Manual Integrations  
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10/11/2019 2:47:33 PM



#66

Ethyl Benzene

Concen: 5.422 ug/l

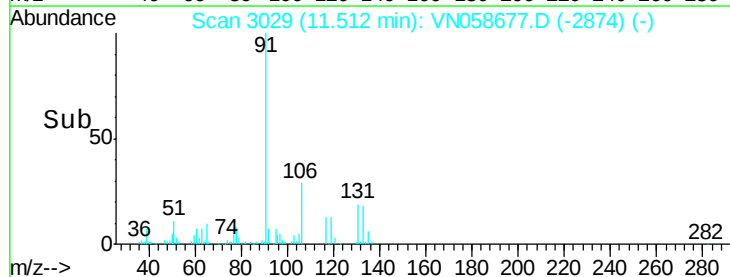
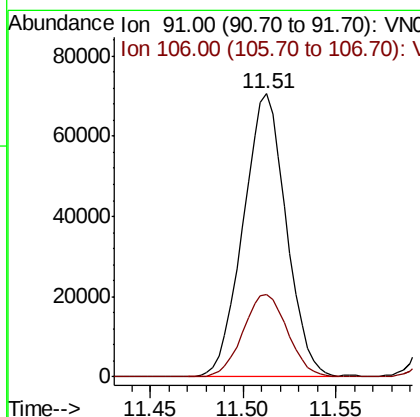
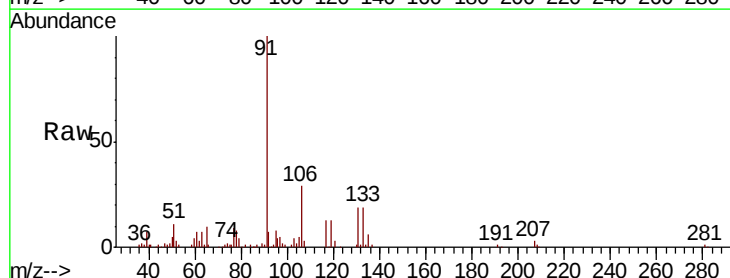
RT: 11.51 min Scan# 3029

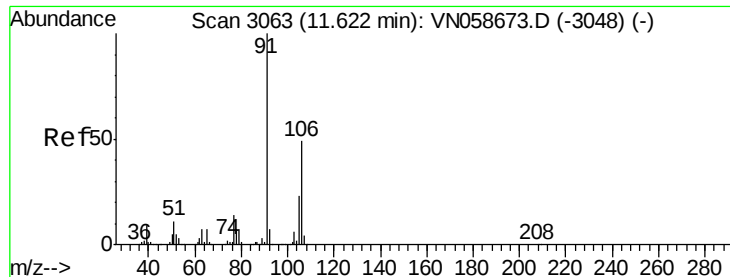
Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 29.2  | 24.2  | 36.4  |





#67

m/p-Xylenes

Concen: 10.482 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:106 Resp: 82531

Ion Ratio Lower Upper

106 100

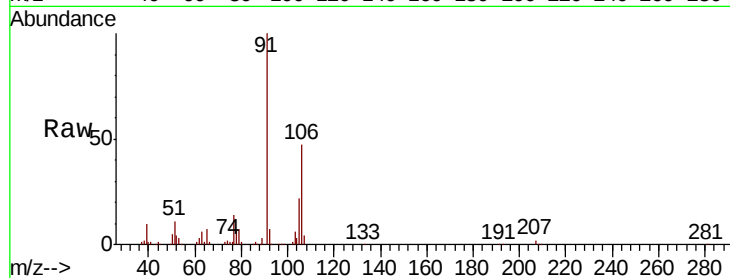
91 210.1 165.6 248.4

Manual Integrations

APPROVED

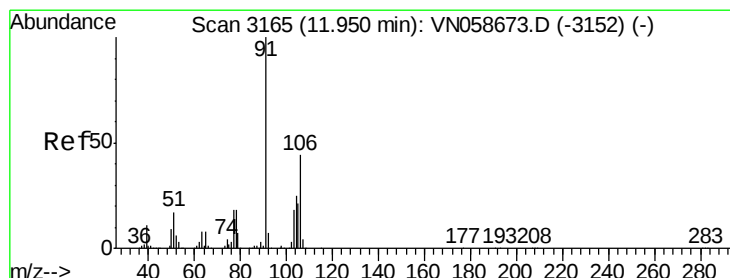
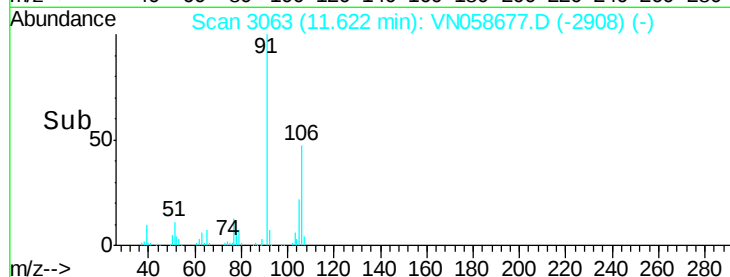
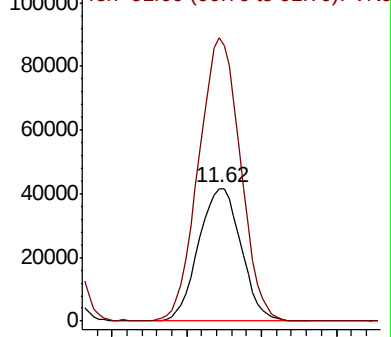
MMDadoda

10/11/2019 2:47:33 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 5.361 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058677.D

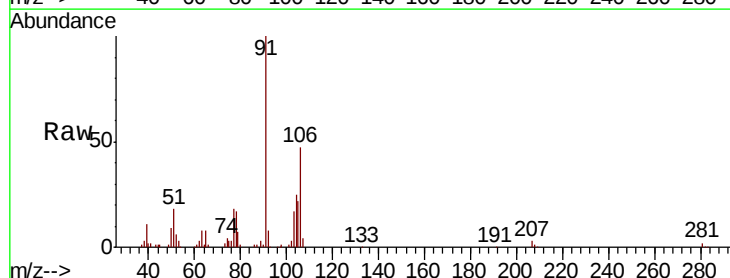
Acq: 10 Oct 2019 20:24

Tgt Ion:106 Resp: 40918

Ion Ratio Lower Upper

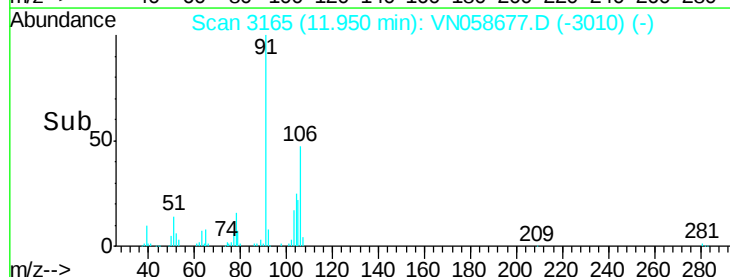
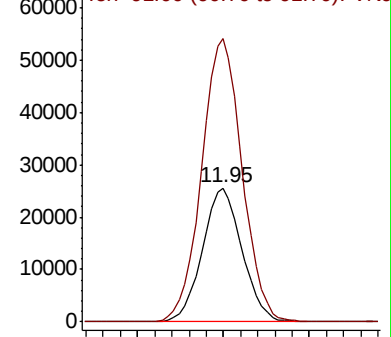
106 100

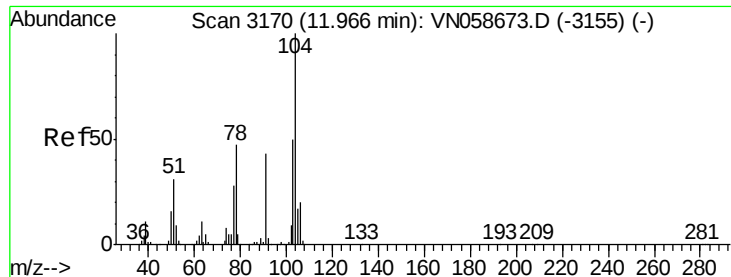
91 216.0 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





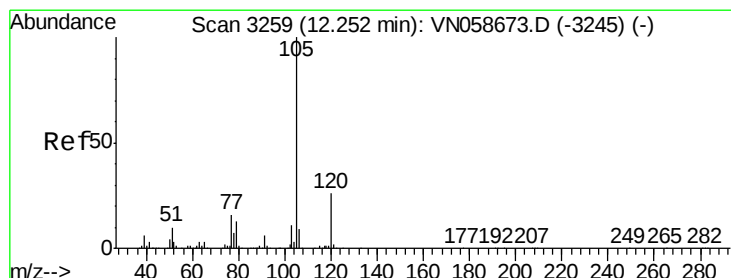
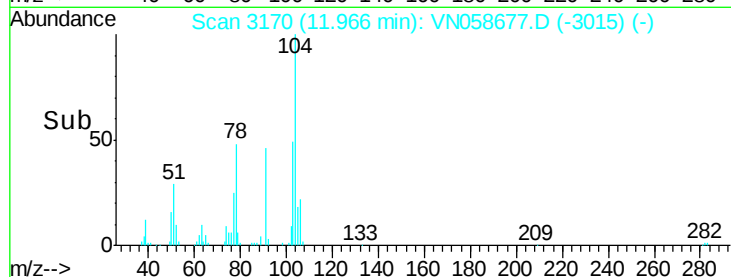
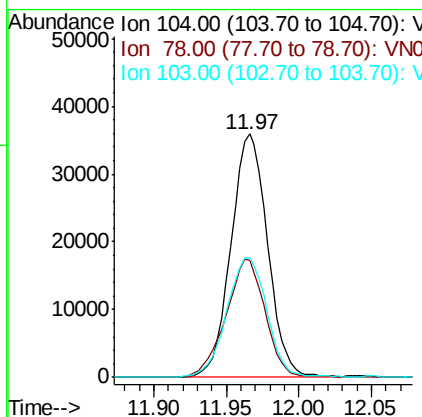
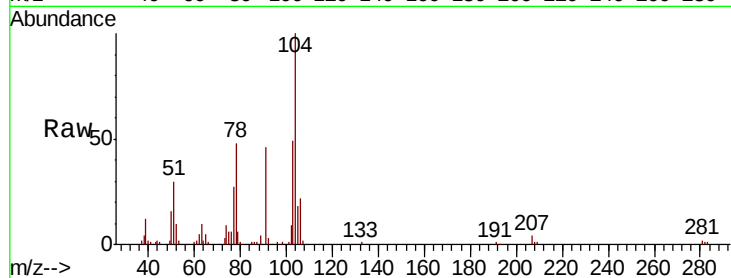
#69  
Stvrene  
Concen: 5.005 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 104     | 100   | 63115 |       |       |
| 78      | 51.9  |       | 42.4  | 63.6  |
| 103     | 53.9  |       | 44.6  | 66.8  |

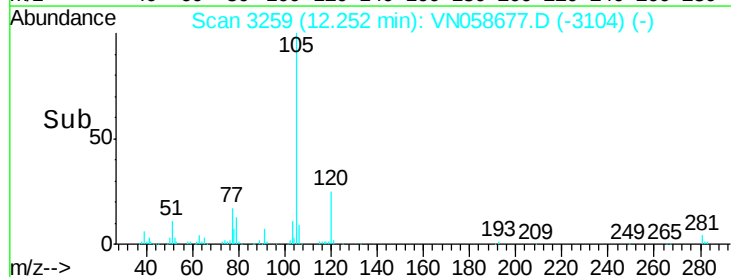
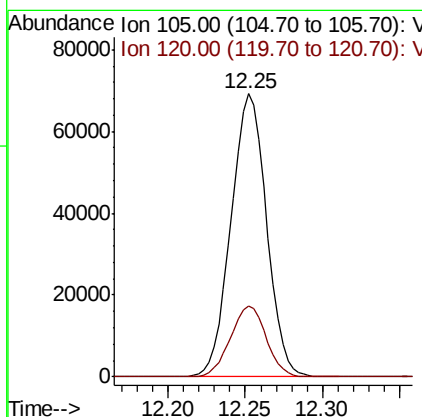
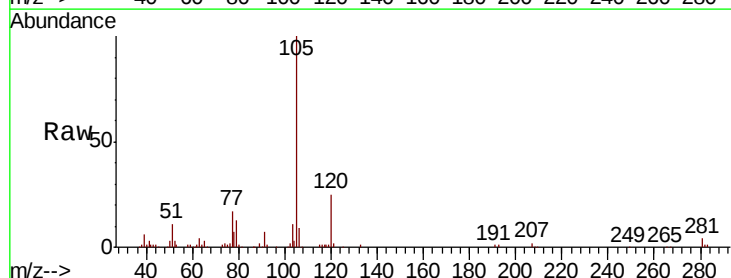
Manual Integrations  
APPROVED

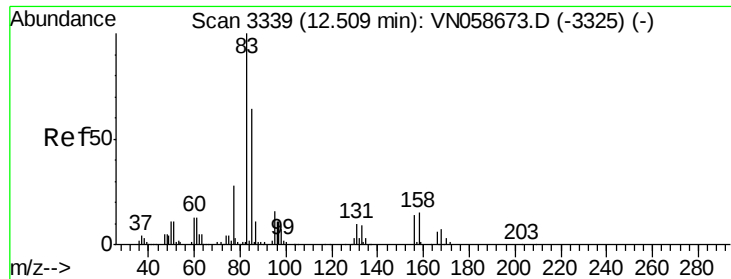
MMDadoda  
10/11/2019 2:47:33 PM



#70  
Isopropylbenzene  
Concen: 5.351 ug/l  
RT: 12.25 min Scan# 3259  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 110278 |       |       |
| 120     | 25.3  |        | 18.4  | 34.2  |





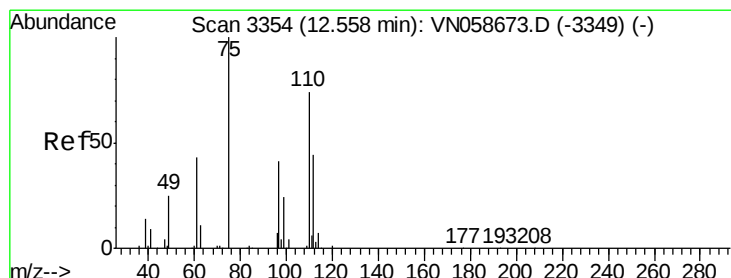
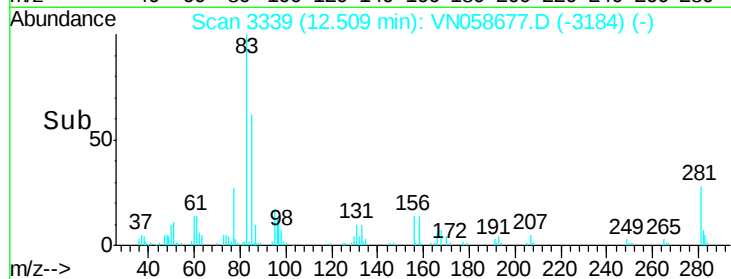
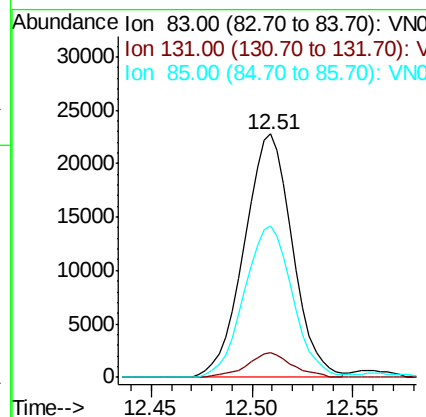
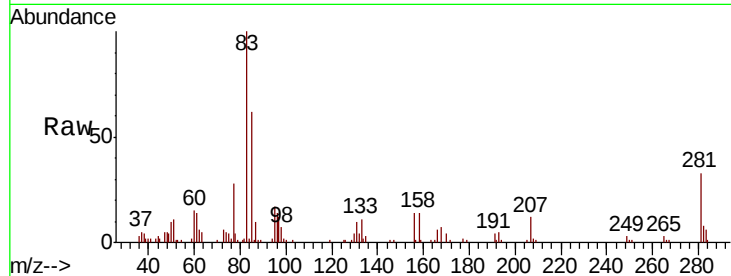
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 5.478 ug/l  
 RT: 12.51 min Scan# 3339  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

| Tot Ion   | 83   | Resp  | 38002 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 131       | 9.5  | 4.9   | 14.7  |
| 85        | 62.4 | 31.6  | 94.7  |

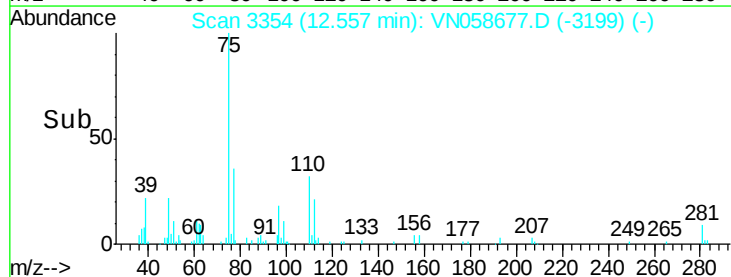
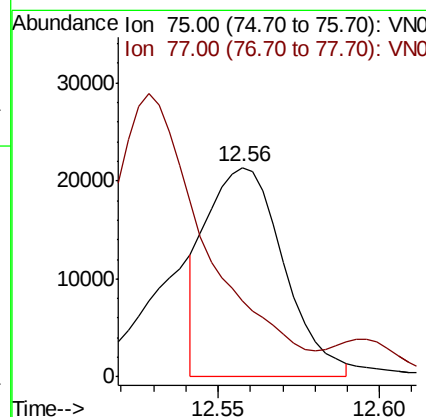
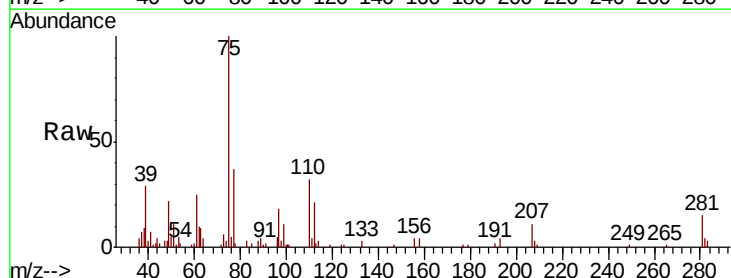
Manual Integrations  
 APPROVED

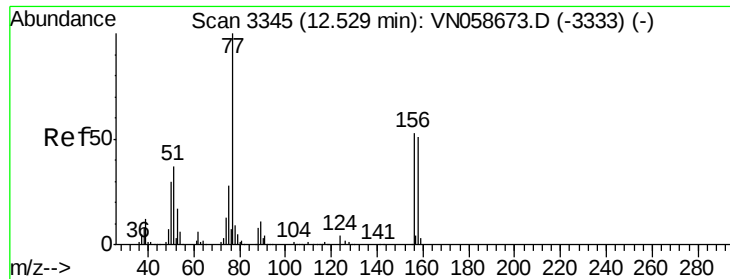
MMDadoda  
 10/11/2019 2:47:33 PM



#72  
 1,2,3-Trichloropropane  
 Concen: 5.616 ug/l m  
 RT: 12.56 min Scan# 3354  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

| Tgt Ion   | 75    | Resp  | 35302 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 75        | 100   |       |       |
| 77        | 172.6 | 0.0   | 359.4 |





#73

Bromobenzene

Concen: 5.357 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

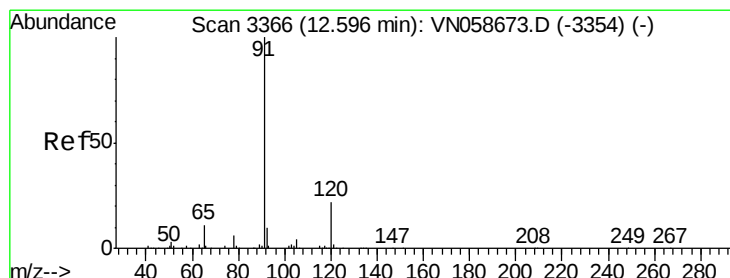
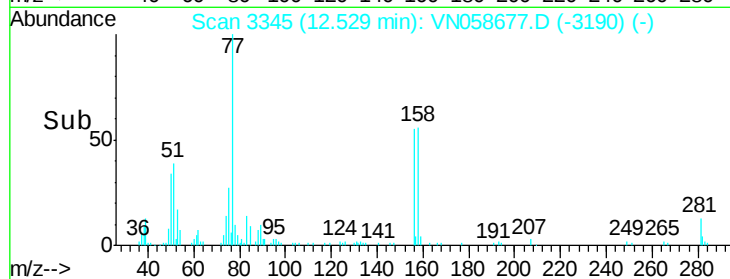
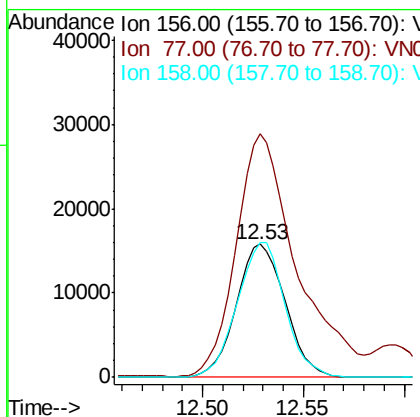
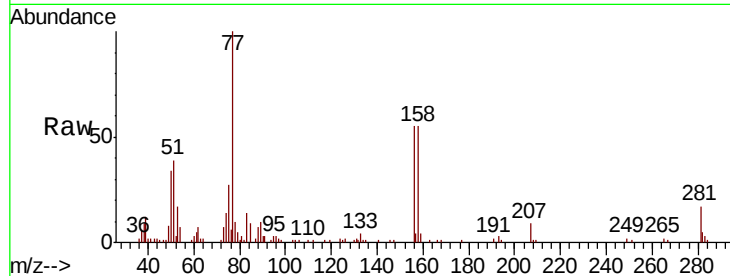
ClientSampleId :

LOQ-WATER-02-QT4-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 26814 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 227.3 | 0.0   | 456.0 |
| 158       | 99.2  | 0.0   | 195.4 |

Manual Integrations  
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#74

n-propylbenzene

Concen: 5.227 ug/l

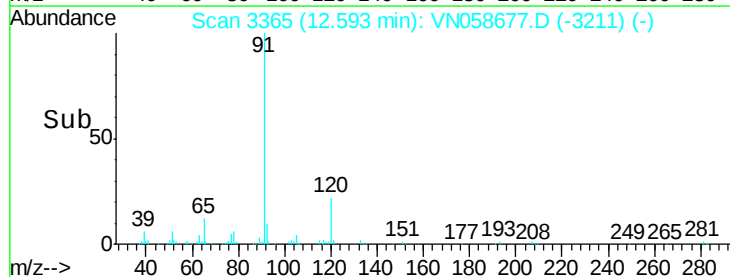
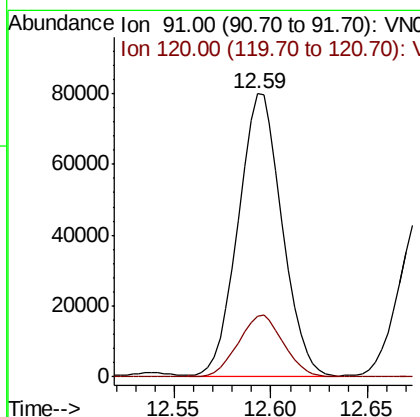
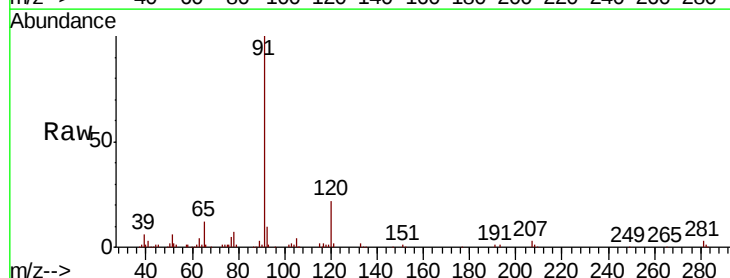
RT: 12.59 min Scan# 3365

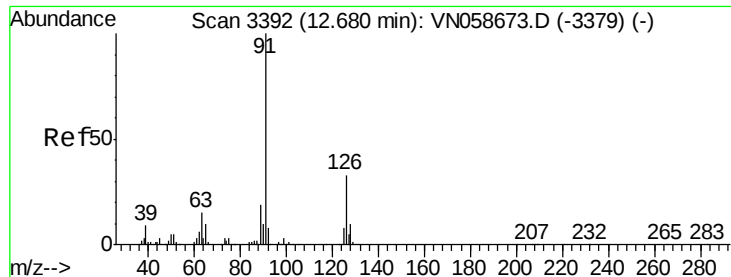
Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 126068 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.4  | 0.0   | 43.6   |





#75

2-Chlorotoluene

Concen: 5.330 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 91 Resp: 77352

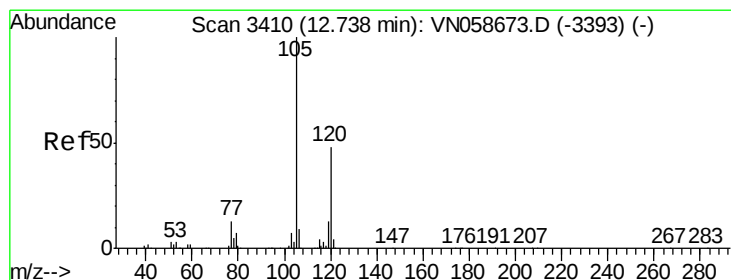
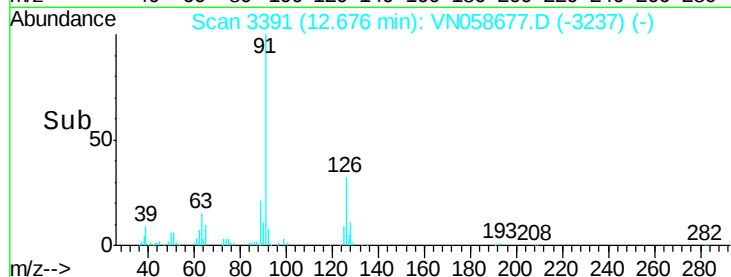
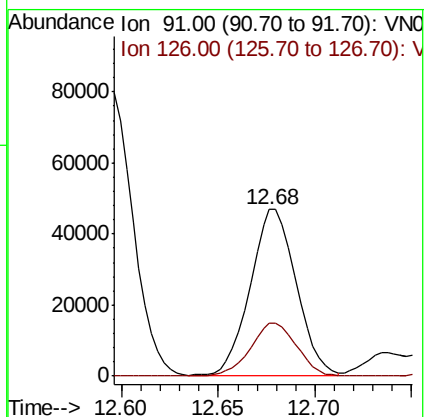
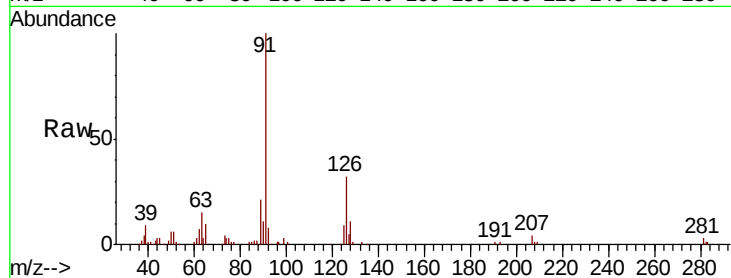
Ion Ratio Lower Upper

91 100

126 32.2 0.0 65.4

Manual Integrations  
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#76

1,3,5-Trimethylbenzene

Concen: 5.204 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058677.D

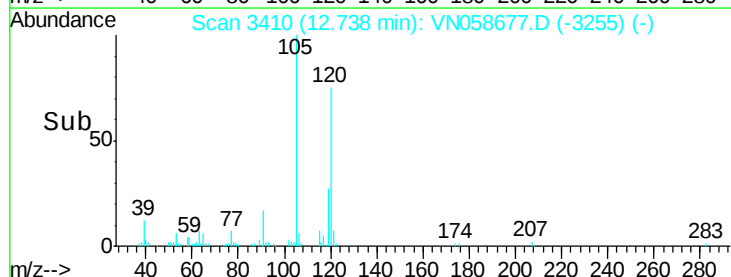
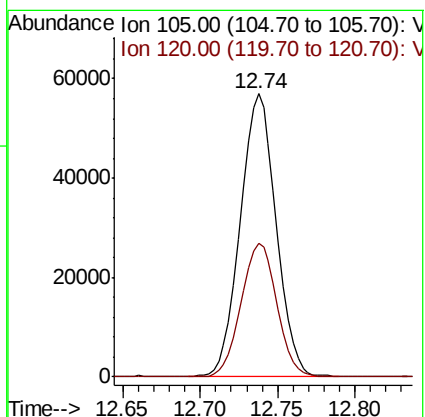
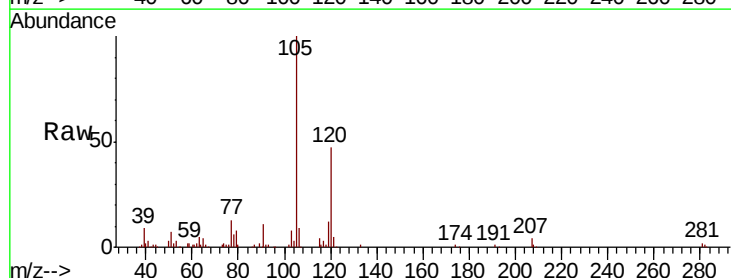
Acq: 10 Oct 2019 20:24

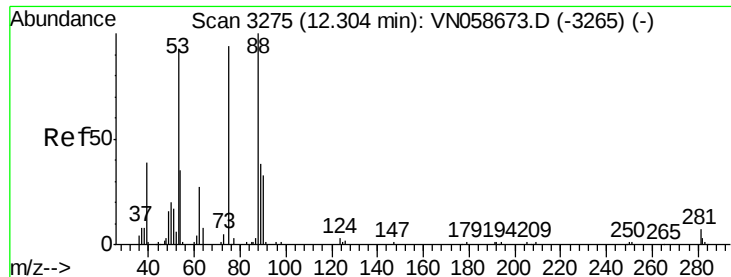
Tgt Ion: 105 Resp: 91852

Ion Ratio Lower Upper

105 100

120 47.1 0.0 94.0





#77

t-1,4-Dichloro-2-butene

Concen: 4.633 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058677.D

Acq: 10 Oct 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 75 Resp: 11095

Ion Ratio Lower Upper

75 100

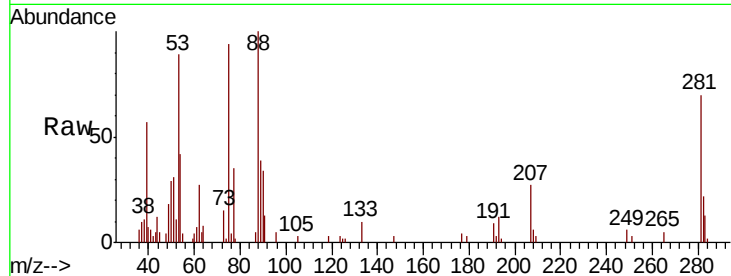
53 98.9 50.0 150.0

89 40.8 20.7 62.1

Manual Integrations  
APPROVED

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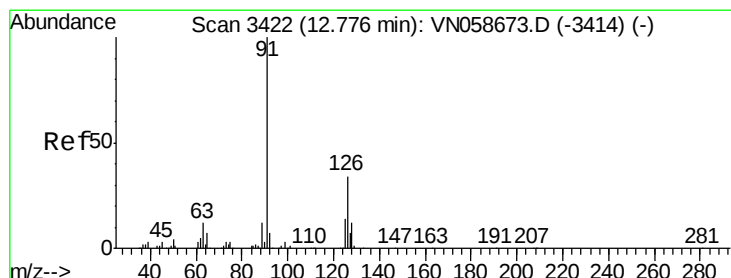
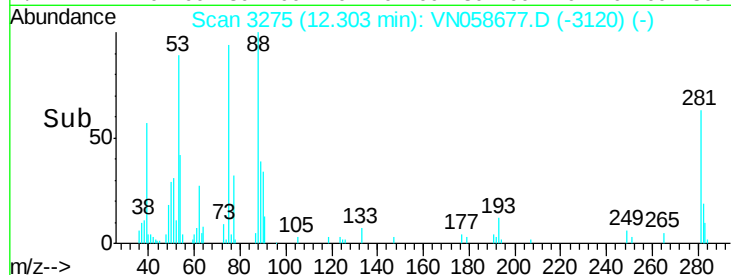
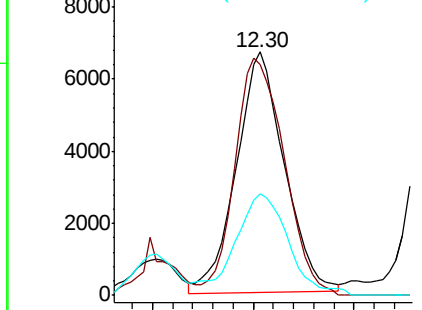
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Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 5.055 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058677.D

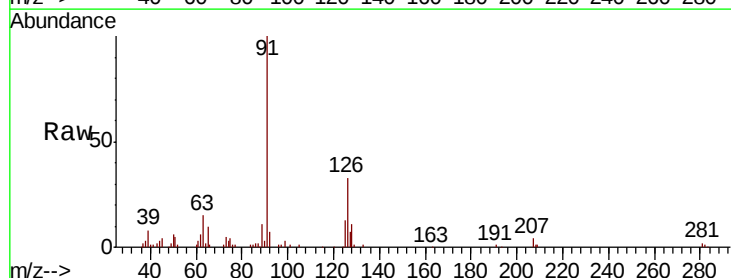
Acq: 10 Oct 2019 20:24

Tgt Ion: 91 Resp: 75606

Ion Ratio Lower Upper

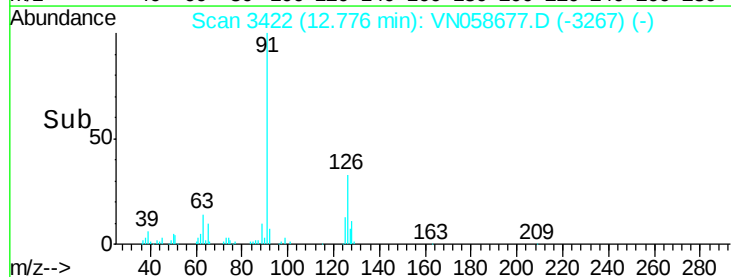
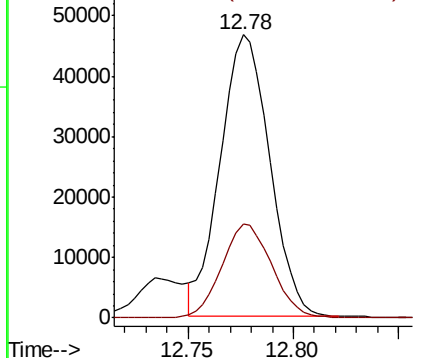
91 100

126 33.8 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





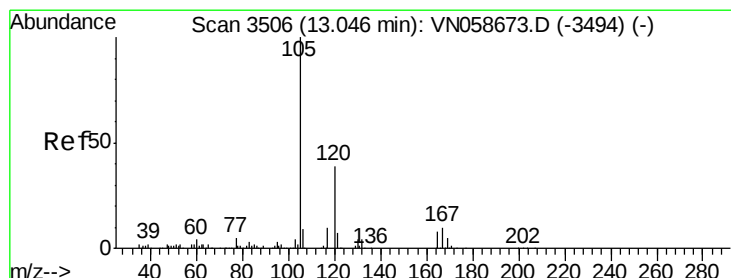
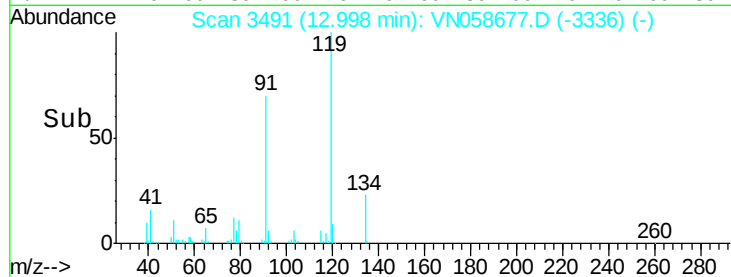
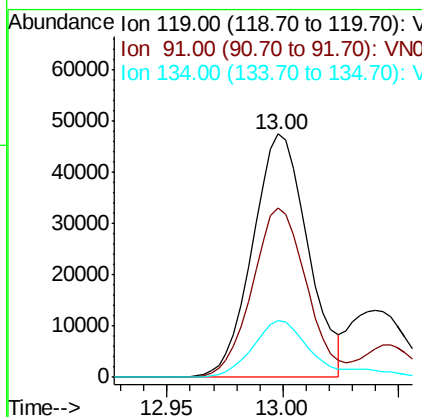
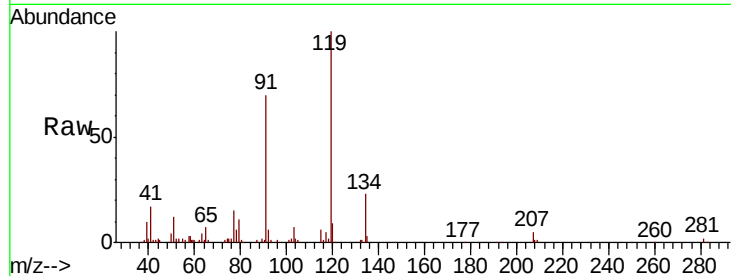
#79  
tert-butylbenzene  
Concen: 5.199 ug/l  
RT: 13.00 min Scan# 3491  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 119     | 100   | 78402 |       |       |
| 91      | 68.4  |       | 0.0   | 136.4 |
| 134     | 23.4  |       | 0.0   | 47.2  |

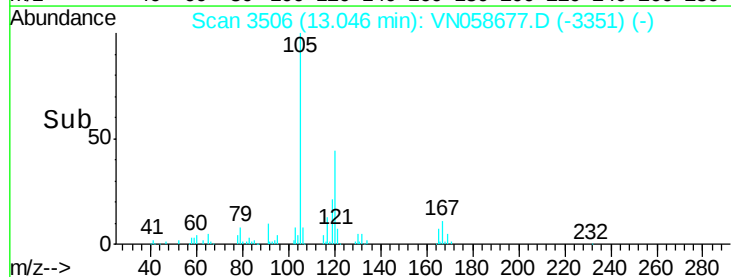
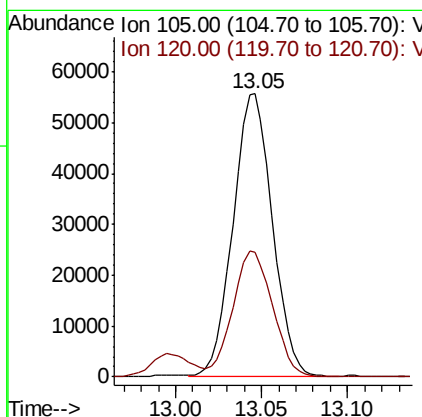
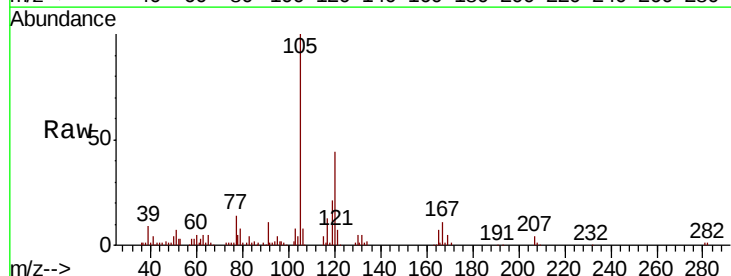
Manual Integrations  
APPROVED

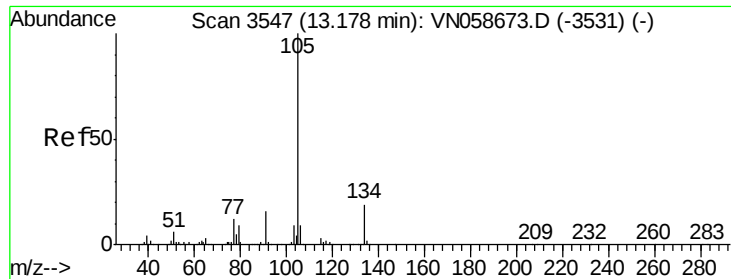
MMDadoda  
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#80  
1,2,4-Trimethylbenzene  
Concen: 5.050 ug/l  
RT: 13.05 min Scan# 3506  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 105     | 100   | 88574 |       |       |
| 120     | 44.9  |       | 0.0   | 89.2  |





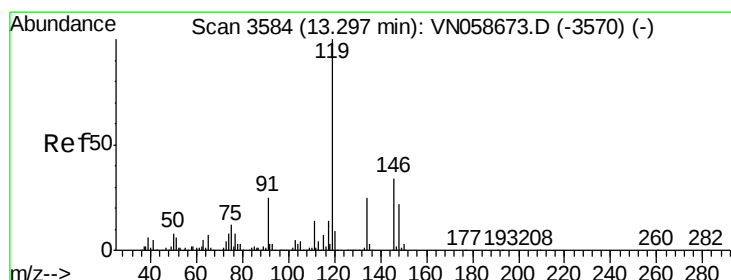
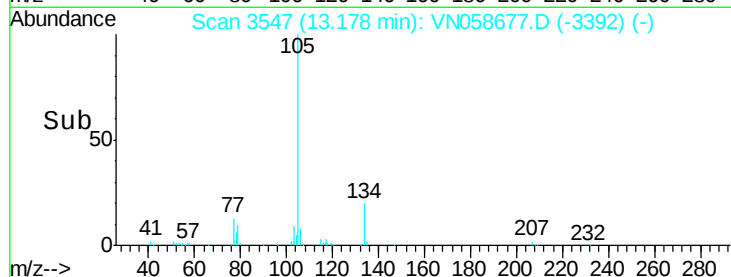
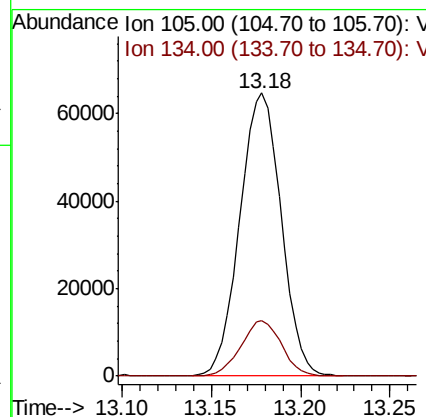
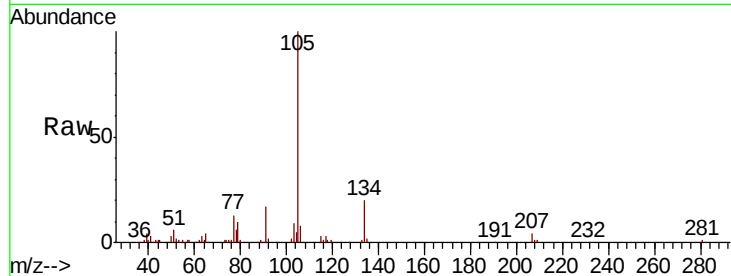
#81  
 sec-Butylbenzene  
 Concen: 5.147 ug/l  
 RT: 13.18 min Scan# 3547  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 104459 |       |       |
| 134     | 19.2  | 0.0    | 38.0  |       |

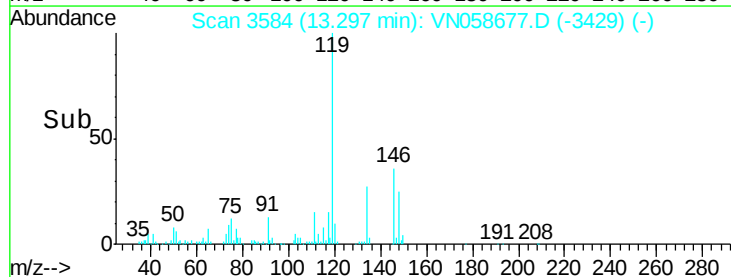
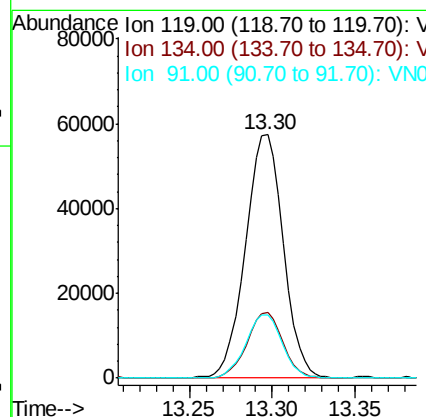
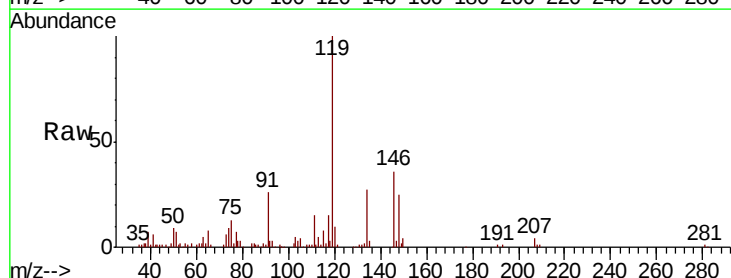
Manual Integrations  
 APPROVED

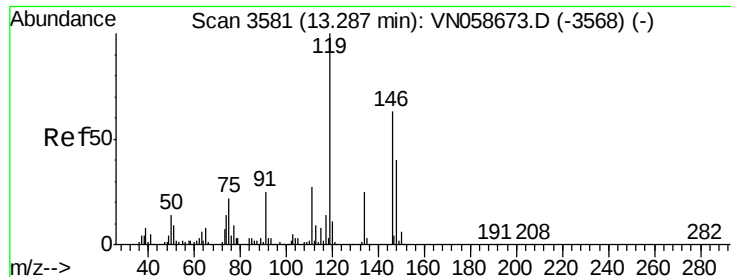
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#82  
 p-Isopropyltoluene  
 Concen: 4.999 ug/l  
 RT: 13.30 min Scan# 3584  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 119     | 100   | 91089 |       |       |
| 134     | 25.5  | 0.0   | 50.8  |       |
| 91      | 25.2  | 0.0   | 49.4  |       |





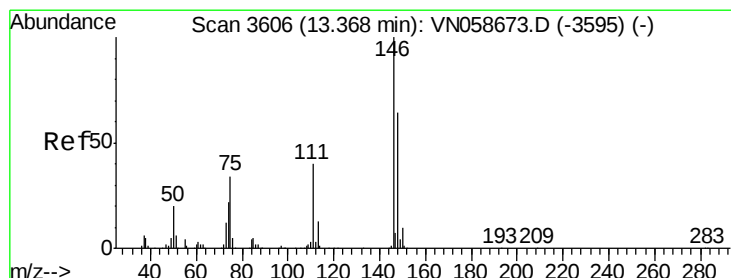
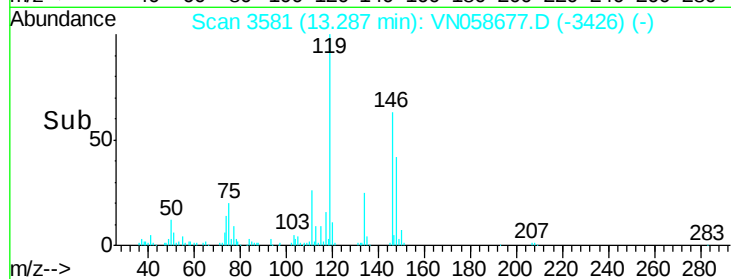
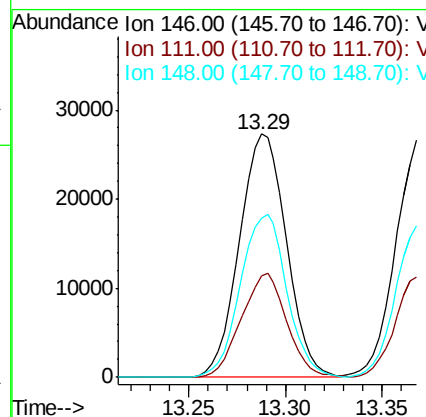
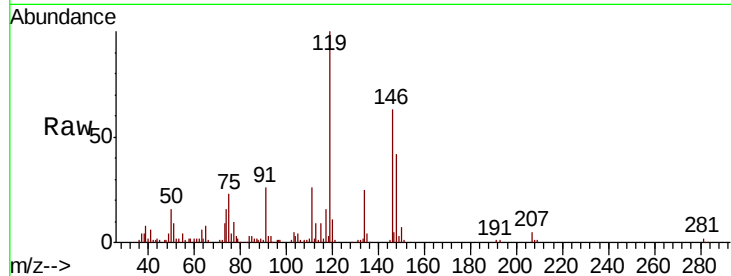
#83  
1,3-Dichlorobenzene  
Concen: 5.105 ug/l  
RT: 13.29 min Scan# 3581  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.5  | 21.0  | 63.0  |
| 148     | 66.1  | 31.7  | 95.1  |

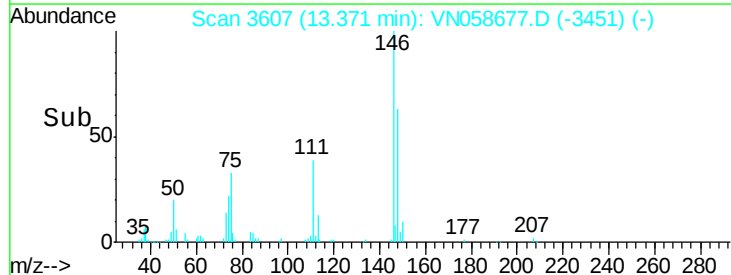
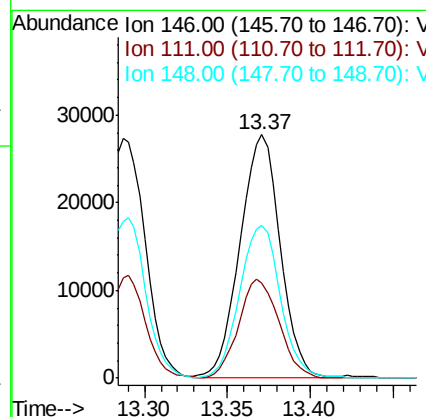
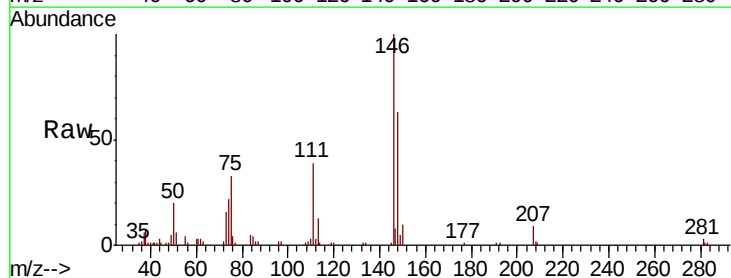
Manual Integrations  
APPROVED

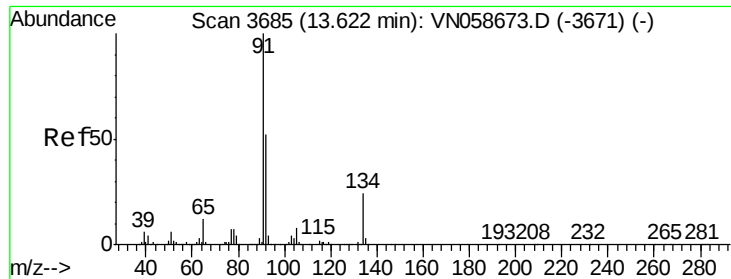
MMDadoda  
10/11/2019 2:47:33 PM



#84  
1,4-Dichlorobenzene  
Concen: 5.187 ug/l  
RT: 13.37 min Scan# 3607  
Delta R.T. 0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.5  | 19.8  | 59.4  |
| 148     | 63.5  | 31.6  | 94.8  |





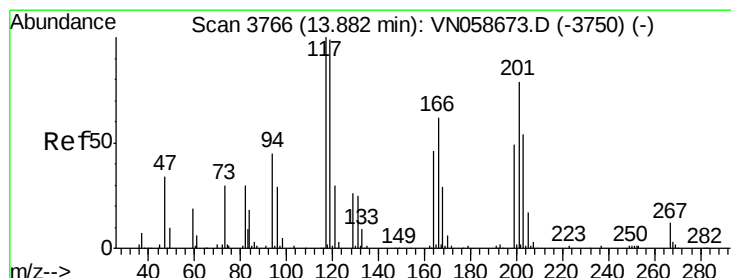
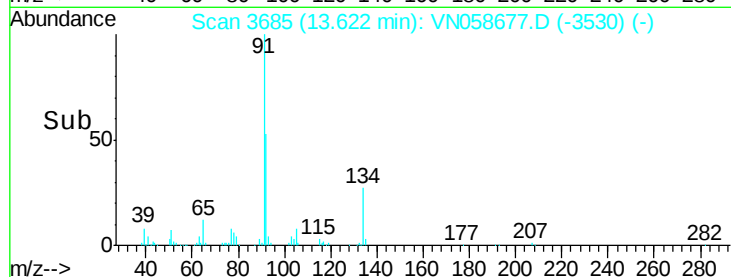
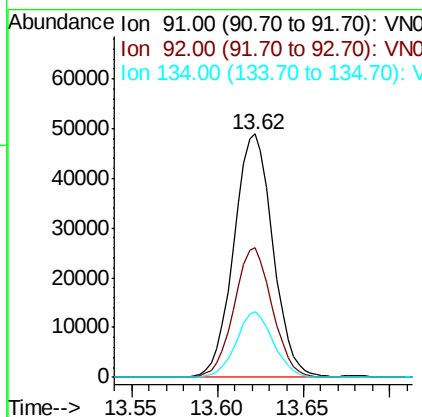
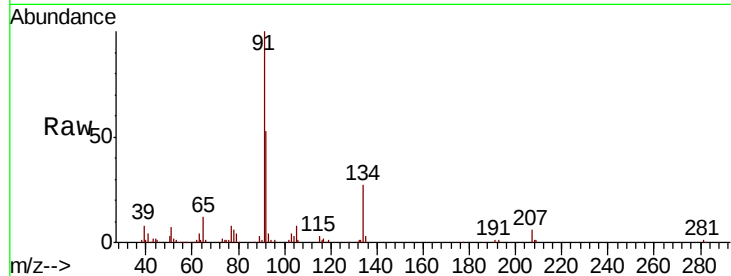
#85  
n-Butylbenzene  
Concen: 4.635 ug/l  
RT: 13.62 min Scan# 3685  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.2  | 0.0   | 102.8 |
| 134     | 25.6  | 0.0   | 48.6  |

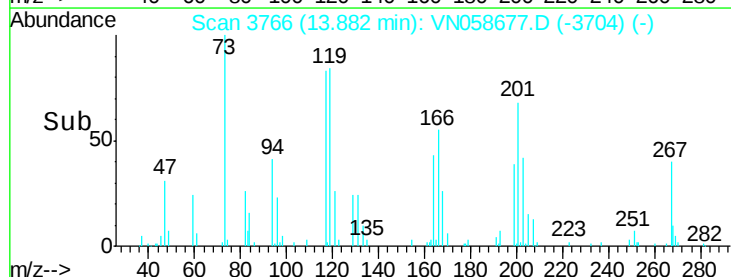
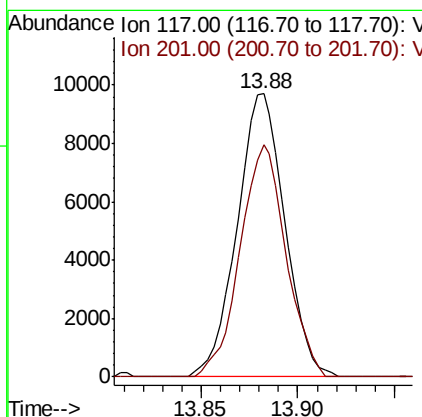
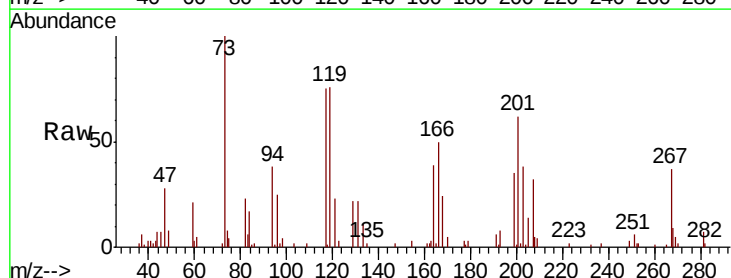
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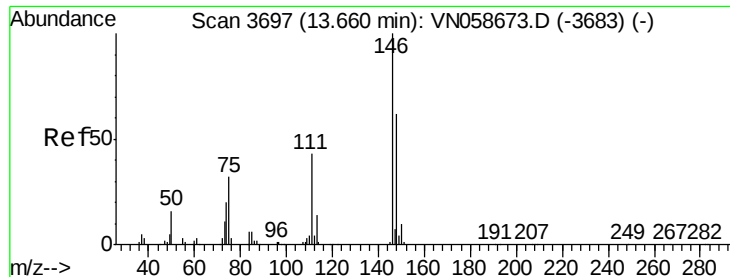
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#86  
Hexachloroethane  
Concen: 5.020 ug/l  
RT: 13.88 min Scan# 3766  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 78.8  | 38.7  | 116.1 |





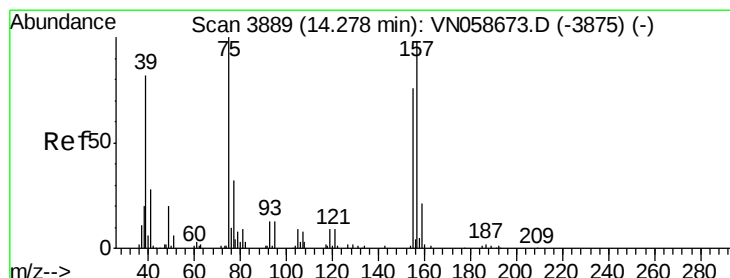
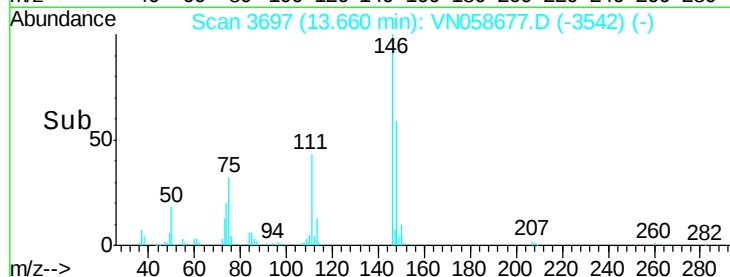
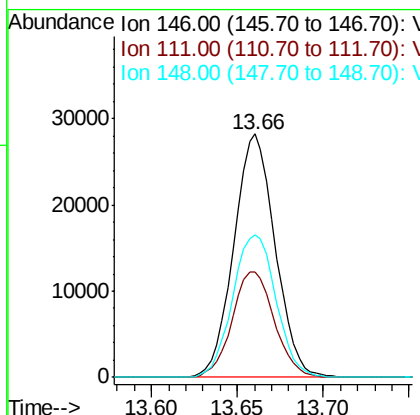
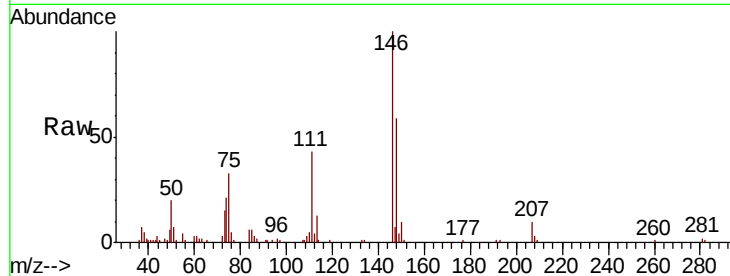
#87  
 1,2-Dichlorobenzene  
 Concen: 5.279 ug/l  
 RT: 13.66 min Scan# 3697  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.3  | 21.8  | 65.4  |
| 148     | 61.5  | 32.1  | 96.5  |

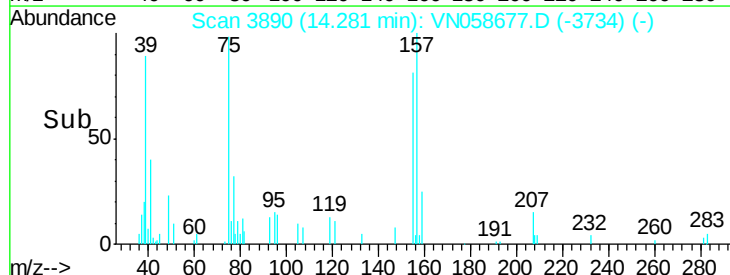
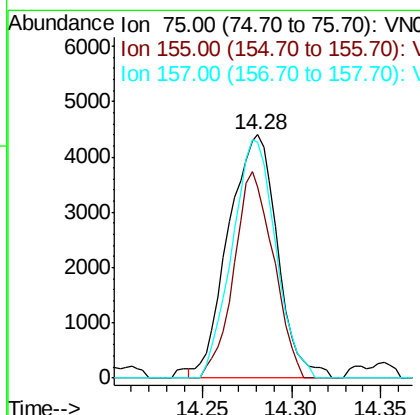
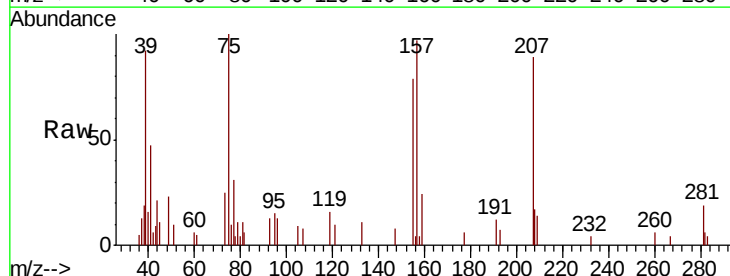
Manual Integrations  
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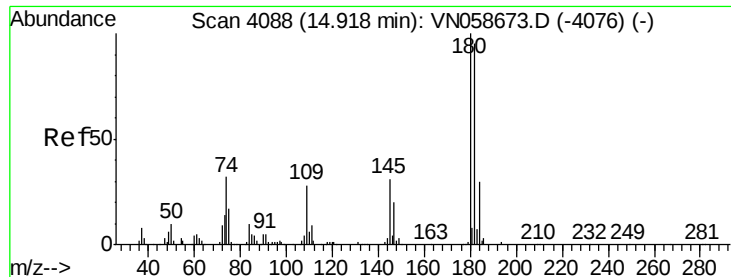
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#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.443 ug/l  
 RT: 14.28 min Scan# 3890  
 Delta R.T. 0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 68.5  | 58.3  | 87.5  |
| 157     | 87.3  | 75.0  | 112.6 |





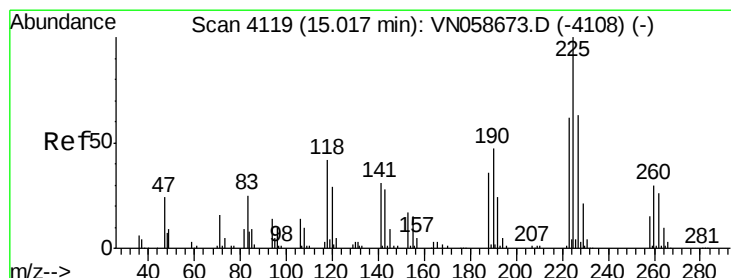
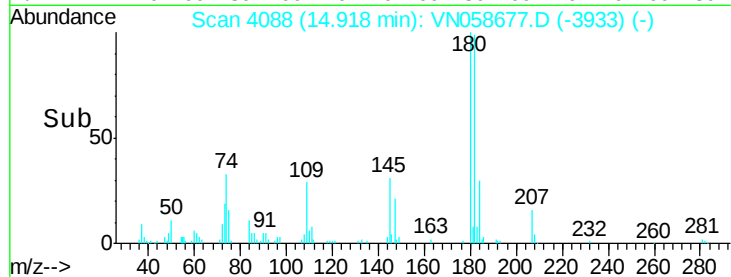
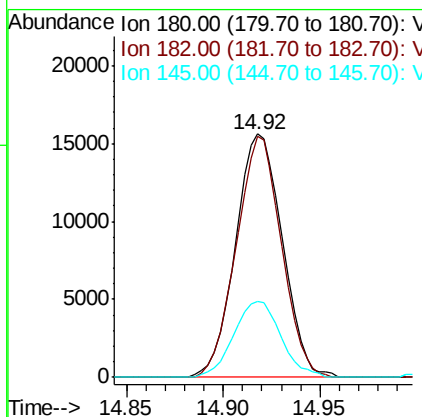
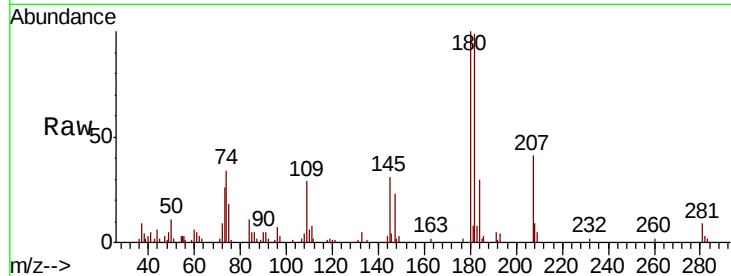
#89  
 1,2,4-Trichlorobenzene  
 Concen: 4.655 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 75.3  | 112.9 |
| 145     | 31.5  | 24.8  | 37.2  |

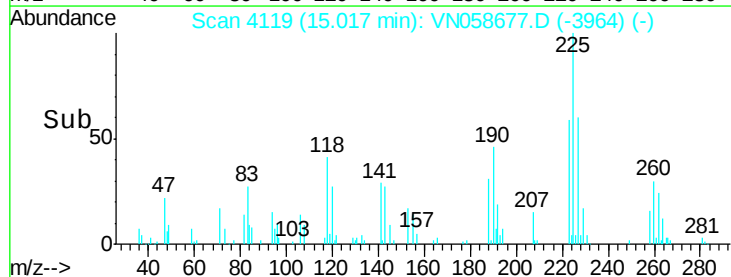
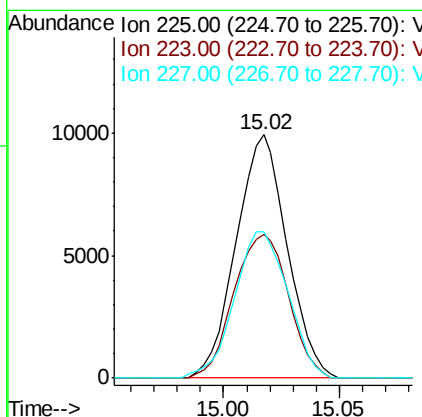
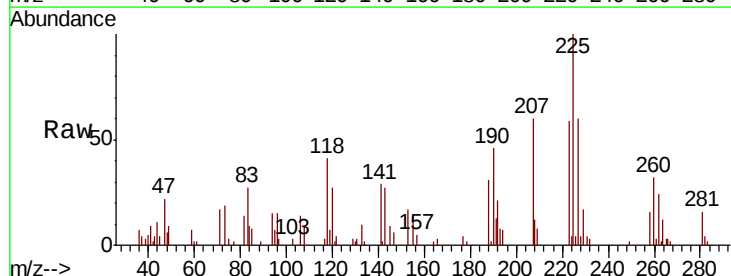
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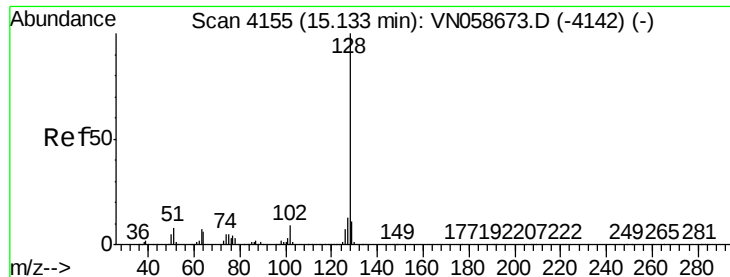
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#90  
 Hexachlorobutadiene  
 Concen: 5.207 ug/l  
 RT: 15.02 min Scan# 4119  
 Delta R.T. -0.00 min  
 Lab File: VN058677.D  
 Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.3  | 0.0   | 126.2 |
| 227     | 63.0  | 0.0   | 127.0 |





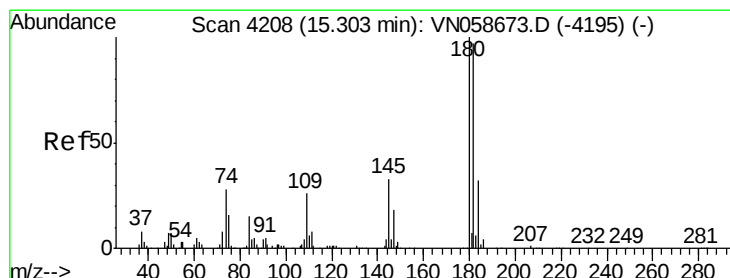
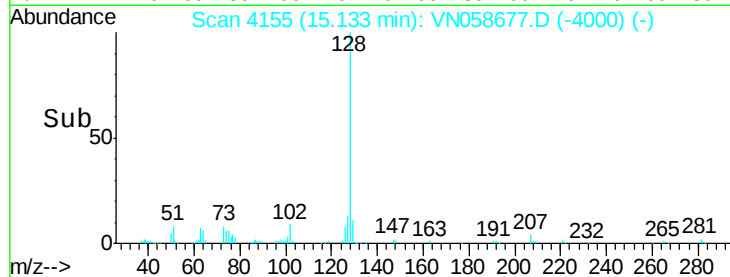
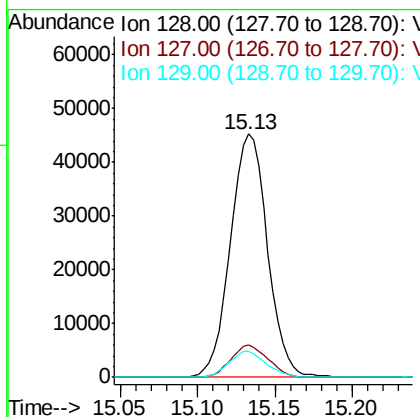
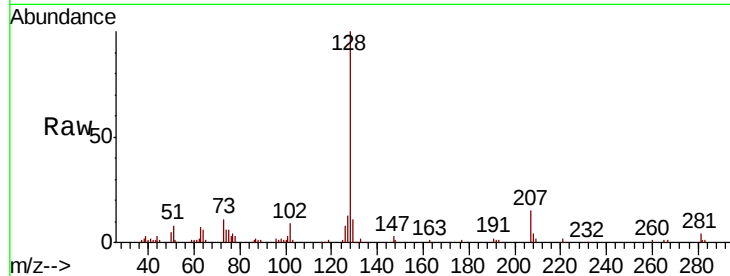
#91  
Naphthalene  
Concen: 4.525 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.4  | 10.2  | 15.2  |
| 129     | 10.6  | 8.6   | 13.0  |

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#92  
1,2,3-Trichlorobenzene  
Concen: 4.746 ug/l  
RT: 15.30 min Scan# 4207  
Delta R.T. -0.00 min  
Lab File: VN058677.D  
Acq: 10 Oct 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.2  | 0.0   | 193.4 |
| 145     | 31.5  | 0.0   | 65.8  |

