

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\  
 Data File : VN064259.D  
 Acq On : 22 Oct 2020 18:54  
 Operator : JC/MD  
 Sample : L4214-08 5.0PPB LOO  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 LOQ-WATER-02-QT4-2020

Manual Integrations  
 APPROVED

MMDadoda  
 10/23/2020 3:24:05 PM

Quant Time: Oct 23 01:37:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Oct 22 16:07:21 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.15  | 128  | 44113    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.55  | 114  | 258270   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.38 | 117  | 224632   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 27) 1,2-Dichloroethane-d4 | 7.99   | 65    | 127296   | 35.25    | ug/l | 0.00     |
| Spiked Amount             | 30.000 | Range | 91 - 110 | Recovery | =    | 117.50%# |
| 60) 4-Bromofluorobenzene  | 12.38  | 95    | 120838   | 30.02    | ug/l | 0.00     |
| Spiked Amount             | 30.000 | Range | 63 - 112 | Recovery | =    | 100.07%  |
| 63) Toluene-d8            | 10.06  | 98    | 311995   | 30.68    | ug/l | 0.00     |
| Spiked Amount             | 30.000 | Range | 91 - 112 | Recovery | =    | 102.27%  |

## Target Compounds

|                               |      |     |        |               | Ovalue |
|-------------------------------|------|-----|--------|---------------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 12125  | 4.006 ug/l    | 84     |
| 3) Chloromethane              | 2.04 | 50  | 14192  | 4.576 ug/l    | 98     |
| 4) Vinyl Chloride             | 2.16 | 62  | 14000  | 4.588 ug/l    | 92     |
| 5) Bromomethane               | 2.54 | 94  | 9980   | 5.467 ug/l    | 89     |
| 6) Chloroethane               | 2.68 | 64  | 8721   | 4.907 ug/l    | 94     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 25532  | 5.212 ug/l    | 88     |
| 8) Diethyl Ether              | 3.38 | 74  | 7695   | 4.627 ug/l    | 80     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 13978  | 5.407 ug/l    | 81     |
| 10) 1,1-Dichloroethene        | 3.70 | 96  | 12392  | 4.923 ug/l    | 92     |
| 11) Methyl Iodide             | 3.91 | 142 | 14677  | 4.045 ug/l #  | 85     |
| 12) Methyl Acetate            | 4.28 | 43  | 14821  | 5.586 ug/l #  | 86     |
| 13) Acrolein                  | 3.57 | 56  | 5835   | 20.115 ug/l # | 1      |
| 14) Acrylonitrile             | 4.94 | 53  | 24187  | 22.623 ug/l # | 66     |
| 15) Acetone                   | 3.78 | 58  | 8081   | 27.995 ug/l   | 96     |
| 16) Carbon Disulfide          | 4.01 | 76  | 33561  | 4.662 ug/l    | 98     |
| 17) Allyl chloride            | 4.28 | 41  | 22760m | 4.863 ug/l    |        |
| 18) Methylene Chloride        | 4.51 | 84  | 15715m | 5.459 ug/l    |        |
| 19) trans-1,2-Dichloroethene  | 4.99 | 96  | 13135  | 4.837 ug/l    | 91     |
| 20) Diisopropyl ether         | 5.90 | 45  | 46852  | 5.417 ug/l    | 99     |
| 21) 1,1-Dichloroethane        | 5.80 | 63  | 27061  | 5.125 ug/l    | 96     |
| 22) cis-1,2-Dichloroethene    | 6.78 | 96  | 16663  | 5.250 ug/l #  | 58     |
| 23) tert-Butyl Alcohol        | 4.74 | 59  | 13167m | 26.628 ug/l   |        |
| 24) Methyl tert-Butyl Ether   | 4.99 | 73  | 43573  | 5.239 ug/l #  | 74     |
| 25) Chloroform                | 7.33 | 83  | 28410m | 5.178 ug/l    |        |
| 26) Cyclohexane               | 7.61 | 56  | 20282  | 4.844 ug/l #  | 86     |
| 29) 1,1-Dichloropropene       | 7.75 | 75  | 20304  | 4.734 ug/l    | 98     |
| 30) 2-Butanone                | 6.79 | 43  | 45608  | 25.786 ug/l # | 80     |
| 31) 2,2-Dichloropropane       | 6.77 | 77  | 25664  | 4.713 ug/l #  | 76     |
| 32) 1,1,1-Trichloroethane     | 7.52 | 97  | 28169  | 5.154 ug/l    | 97     |
| 33) Carbon Tetrachloride      | 7.73 | 117 | 23906  | 4.798 ug/l    | 95     |
| 34) Benzene                   | 8.00 | 78  | 59267  | 4.962 ug/l #  | 68     |
| 35) Methacrylonitrile         | 7.13 | 41  | 10389  | 5.355 ug/l    | 89     |
| 36) 1,2-Dichloroethane        | 8.09 | 62  | 27206  | 5.632 ug/l #  | 80     |
| 37) Trichloroethene           | 8.80 | 130 | 16589  | 5.045 ug/l    | 94     |
| 38) Methylcyclohexane         | 9.05 | 83  | 19630  | 4.785 ug/l    | 98     |
| 39) 1,2-Dichloropropane       | 9.08 | 63  | 16125  | 5.059 ug/l    | 95     |
| 40) Dibromomethane            | 9.17 | 93  | 11005  | 4.962 ug/l    | 97     |

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 Data File : VN064259.D  
 Acq On : 22 Oct 2020 18:54  
 Operator : JC/MD  
 Sample : L4214-08 5.0PPB LOQ  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2020

Manual Integrations  
 APPROVED

MMDadoda  
 10/23/2020 3:24:05 PM

Quant Time: Oct 23 01:37:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Oct 22 16:07:21 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 41) Bromodichloromethane       | 9.37  | 83   | 23495    | 4.895   | ug/l   | 97       |
| 42) Vinyl Acetate              | 5.85  | 43   | 210473   | 25.065  | ug/l   | 99       |
| 43) Ethyl Acetate              | 6.88  | 43   | 17416    | 4.508   | ug/l # | 86       |
| 44) Isopropyl Acetate          | 8.12  | 43   | 37302    | 5.030   | ug/l   | 92       |
| 45) 1,4-Dioxane                | 9.16  | 88   | 4686     | 108.035 | ug/l   | 93       |
| 46) Methyl methacrylate        | 9.17  | 41   | 17403    | 4.946   | ug/l   | 97       |
| 47) n-amyl Acetate             | 12.05 | 43   | 29588    | 4.497   | ug/l   | 99       |
| 48) t-1,3-Dichloropropene      | 10.35 | 75   | 26123    | 4.826   | ug/l   | 93       |
| 49) cis-1,3-Dichloropropene    | 9.81  | 75   | 25629    | 4.582   | ug/l   | 95       |
| 50) 1,1,2-Trichloroethane      | 10.53 | 97   | 14474    | 4.872   | ug/l   | 96       |
| 51) Ethyl methacrylate         | 10.40 | 69   | 21289    | 4.531   | ug/l   | 93       |
| 52) 1,3-Dichloropropane        | 10.68 | 76   | 26288    | 5.132   | ug/l   | 97       |
| 53) Dibromochloromethane       | 10.87 | 129  | 17180    | 4.594   | ug/l   | 99       |
| 54) 1,2-Dibromoethane          | 10.97 | 107  | 15058    | 4.768   | ug/l   | 96       |
| 55) 2-Chloroethyl vinyl ether  | 9.66  | 63   | 56034    | 24.267  | ug/l   | 98       |
| 56) Bromoform                  | 12.10 | 173  | 11284    | 4.333   | ug/l   | 94       |
| 58) 4-Methyl-2-Pentanone       | 9.95  | 43   | 97416    | 25.592  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.72 | 43   | 70732    | 25.030  | ug/l   | 99       |
| 61) Tetrachloroethene          | 10.60 | 164  | 16082    | 5.311   | ug/l   | 97       |
| 62) Toluene                    | 10.13 | 91   | 64600    | 5.030   | ug/l   | 97       |
| 64) Chlorobenzene              | 11.41 | 112  | 39937    | 4.994   | ug/l   | 96       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 16156    | 5.156   | ug/l   | 95       |
| 66) Ethyl Benzene              | 11.48 | 91   | 71460    | 4.840   | ug/l   | 98       |
| 67) m/p-Xylenes                | 11.59 | 106  | 53081    | 9.667   | ug/l   | 99       |
| 68) o-Xylene                   | 11.92 | 106  | 26131    | 4.904   | ug/l   | 98       |
| 69) Styrene                    | 11.94 | 104  | 40627    | 4.507   | ug/l   | 95       |
| 70) Isopropylbenzene           | 12.23 | 105  | 69229    | 4.919   | ug/l   | 96       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 19329    | 5.012   | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane     | 12.53 | 75   | 19185m   | 4.767   | ug/l   |          |
| 73) Bromobenzene               | 12.50 | 156  | 16911    | 4.983   | ug/l   | 91       |
| 74) n-propylbenzene            | 12.57 | 91   | 75198    | 4.682   | ug/l   | 99       |
| 75) 2-Chlorotoluene            | 12.65 | 91   | 51706    | 5.200   | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 56392    | 4.709   | ug/l   | 96       |
| 77) t-1,4-Dichloro-2-butene    | 12.28 | 75   | 7414     | 4.712   | ug/l   | 92       |
| 78) 4-Chlorotoluene            | 12.75 | 91   | 48211    | 4.636   | ug/l   | 100      |
| 79) tert-butylbenzene          | 12.97 | 119  | 47449    | 4.847   | ug/l   | 96       |
| 80) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 55703    | 4.582   | ug/l   | 100      |
| 81) sec-Butylbenzene           | 13.14 | 105  | 58950    | 4.628   | ug/l   | 97       |
| 82) p-Isopropyltoluene         | 13.26 | 119  | 54775    | 4.646   | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene        | 13.26 | 146  | 27458    | 4.514   | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene        | 13.34 | 146  | 27725    | 4.553   | ug/l   | 98       |
| 85) n-Butylbenzene             | 13.59 | 91   | 44766    | 4.278   | ug/l   | 97       |
| 86) Hexachloroethane           | 13.85 | 117  | 9058     | 4.463   | ug/l   | 92       |
| 87) 1,2-Dichlorobenzene        | 13.63 | 146  | 26316    | 4.436   | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 4950     | 5.068   | ug/l # | 84       |
| 89) 1,2,4-Trichlorobenzene     | 14.88 | 180  | 13975    | 3.923   | ug/l   | 99       |
| 90) Hexachlorobutadiene        | 14.98 | 225  | 8086     | 4.478   | ug/l   | 94       |
| 91) Naphthalene                | 15.10 | 128  | 38986    | 3.610   | ug/l   | 97       |
| 92) 1,2,3-Trichlorobenzene     | 15.28 | 180  | 12907    | 3.789   | ug/l   | 95       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\  
Data File : VN064259.D  
Acq On : 22 Oct 2020 18:54  
Operator : JC/MD  
Sample : L4214-08 5.0PPB L00  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

Manual Integrations  
APPROVED

MMDadoda  
10/23/2020 3:24:05 PM

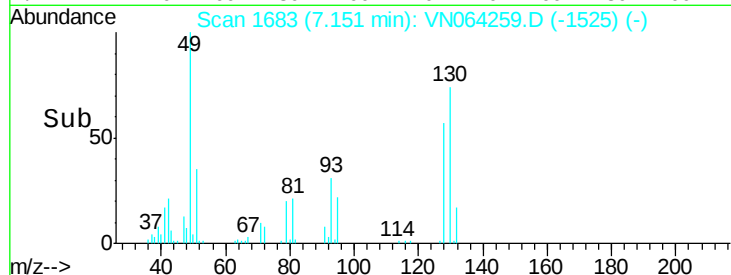
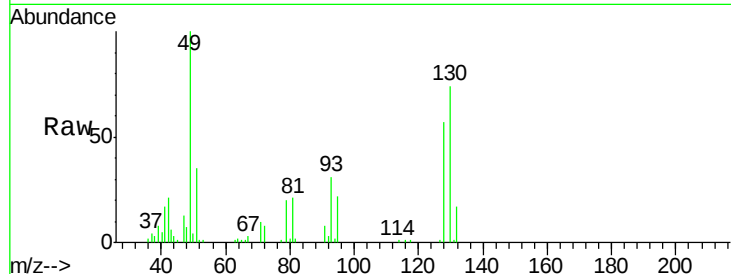
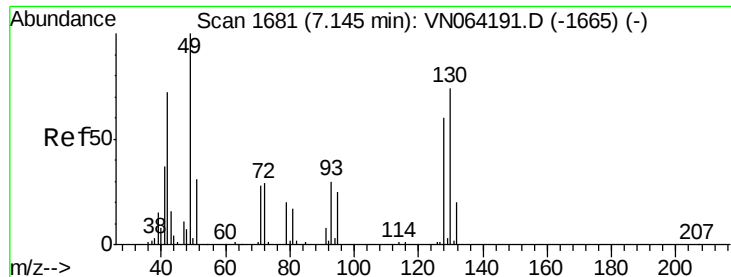
Quant Time: Oct 23 01:37:42 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Thu Oct 22 16:07:21 2020  
Response via : Initial Calibration

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

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





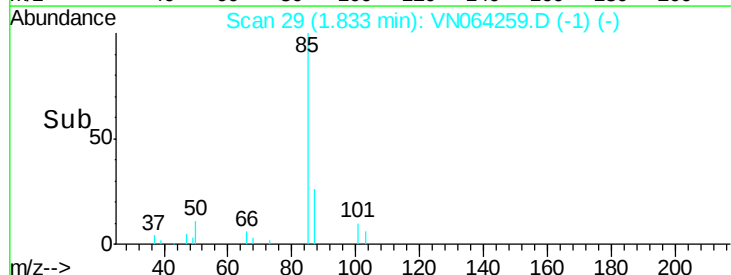
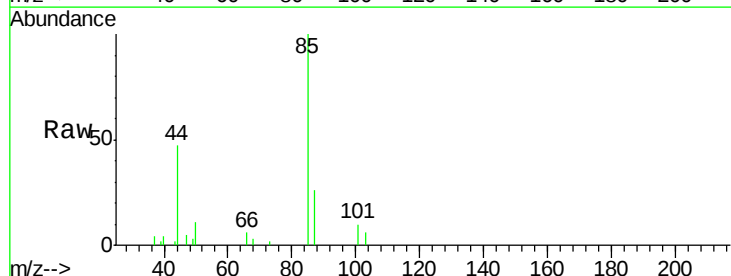
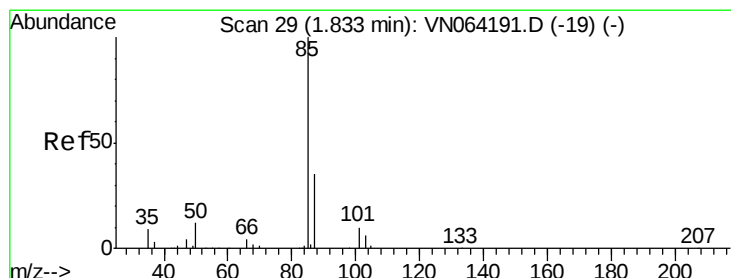
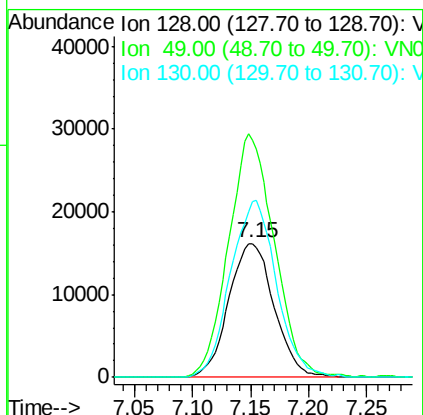
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.15 min Scan# 1683  
Delta R.T. 0.01 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 182.6 | 0.0   | 433.3 |
| 130     | 133.3 | 0.0   | 322.5 |

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

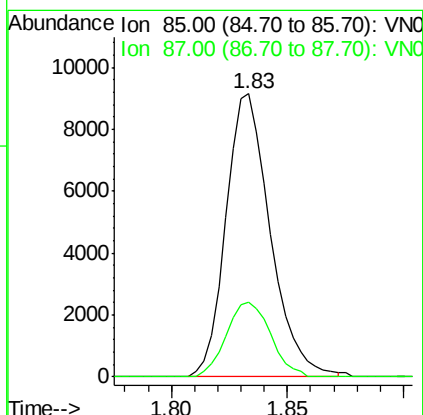
Manual Integrations  
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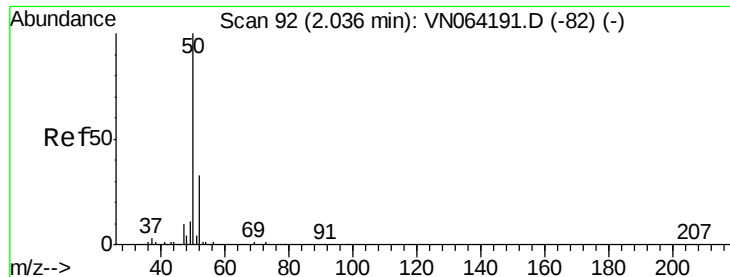
MMDadoda  
10/23/2020 3:24:05 PM



#2  
Dichlorodifluoromethane  
Concen: 4.006 ug/l  
RT: 1.83 min Scan# 29  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 26.3  | 17.8  | 53.3  |





#3

Chloromethane

Concen: 4.576 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 50 Resp: 14192

Ion Ratio Lower Upper

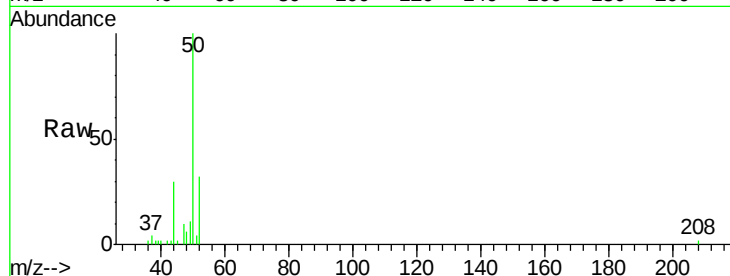
50 100

52 32.0 26.6 40.0

Manual Integrations  
APPROVED

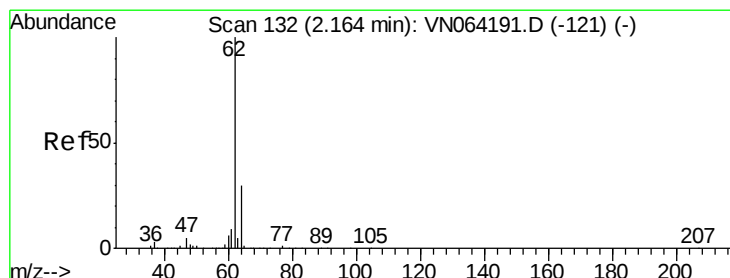
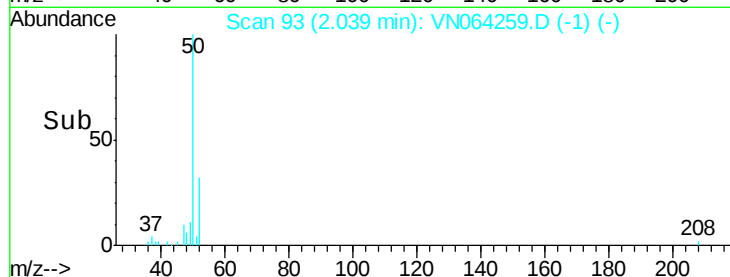
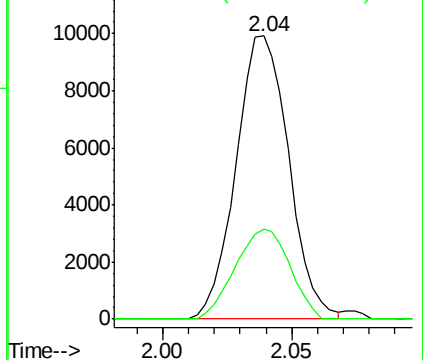
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10/23/2020 3:24:05 PM



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 4.588 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064259.D

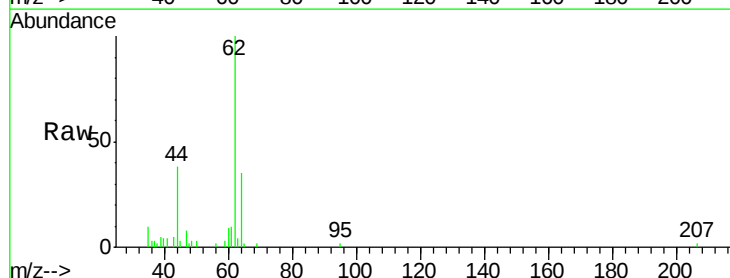
Acq: 22 Oct 2020 18:54

Tgt Ion: 62 Resp: 14000

Ion Ratio Lower Upper

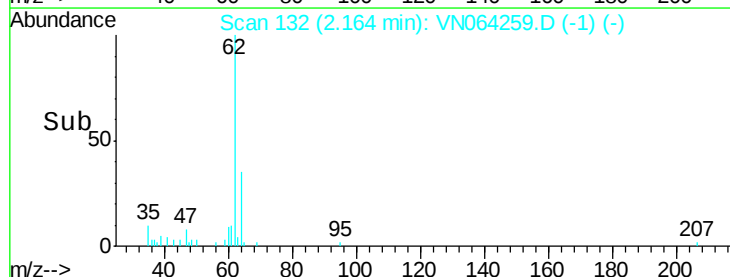
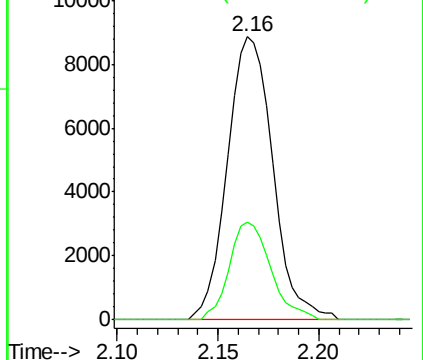
62 100

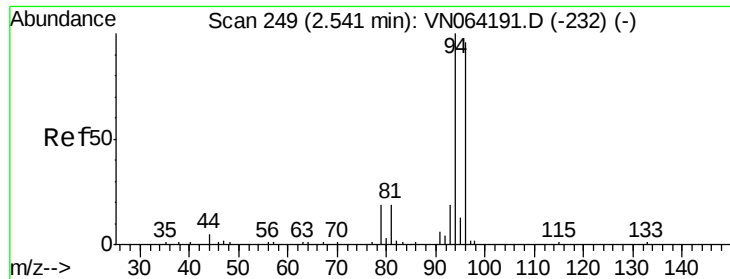
64 34.8 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 5.467 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 94 Resp: 9980

Ion Ratio Lower Upper

94 100

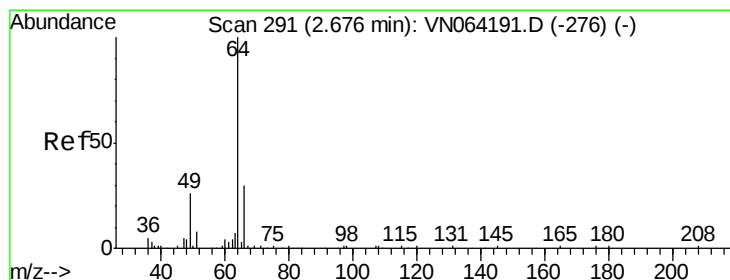
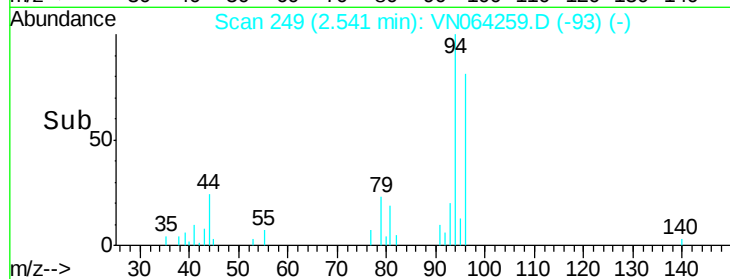
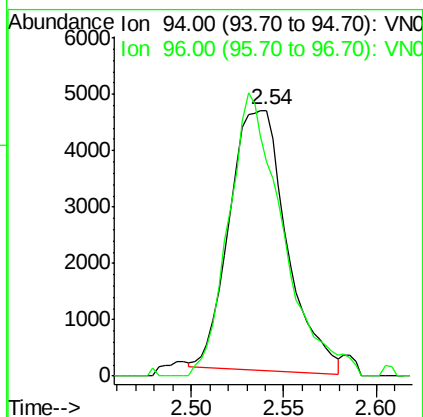
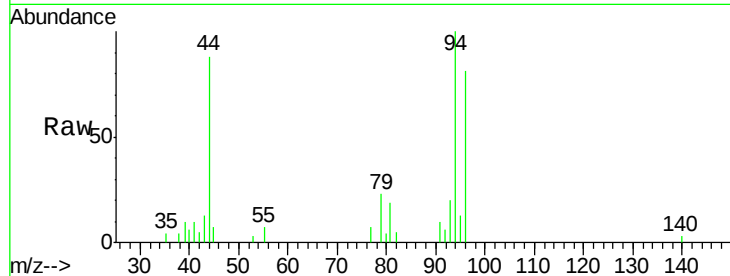
96 84.9 76.6 115.0

Manual Integrations

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10/23/2020 3:24:05 PM



#6

Chloroethane

Concen: 4.907 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064259.D

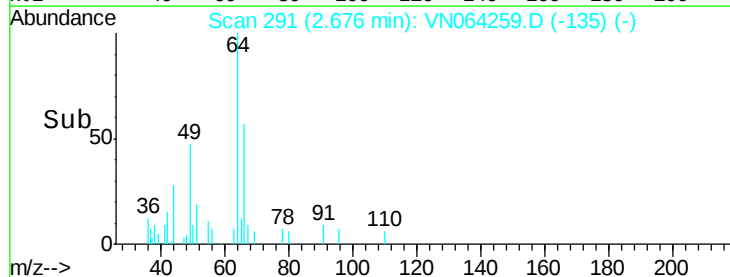
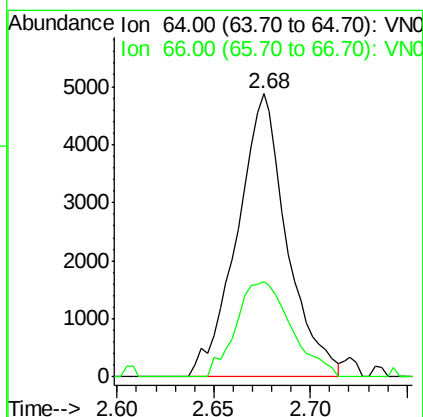
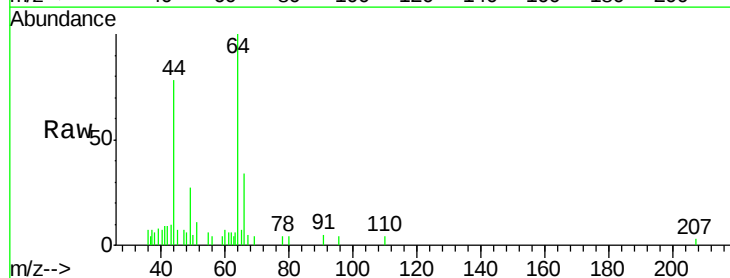
Acq: 22 Oct 2020 18:54

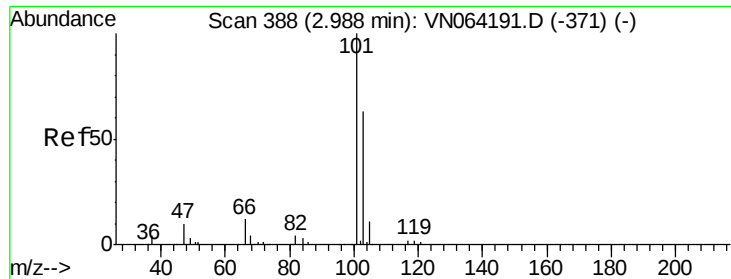
Tgt Ion: 64 Resp: 8721

Ion Ratio Lower Upper

64 100

66 33.5 24.3 36.5





#7

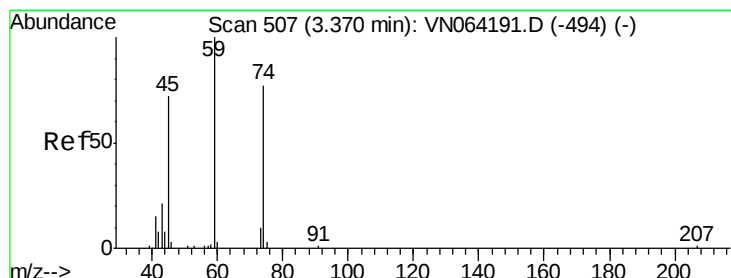
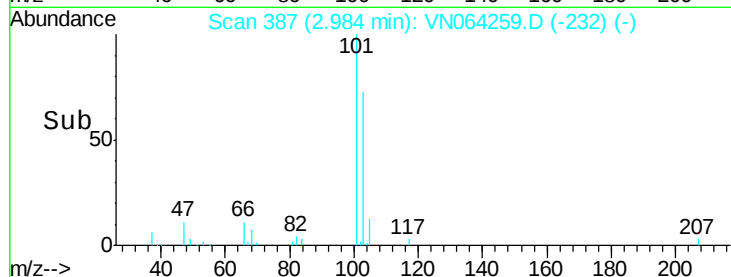
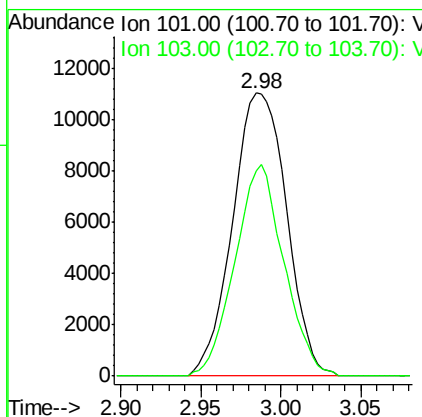
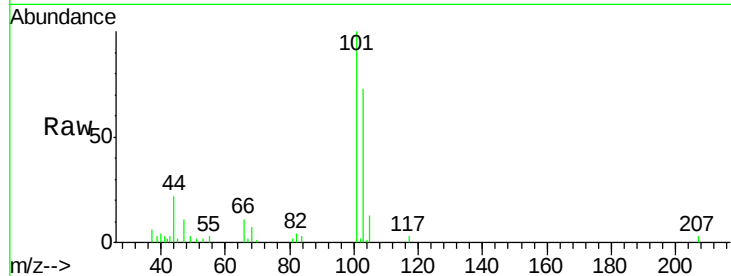
Trichlorofluoromethane  
 Concen: 5.212 ug/l  
 RT: 2.98 min Scan# 387  
 Delta R.T. -0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 72.7  | 50.7  | 76.1  |

Manual Integrations  
 APPROVED

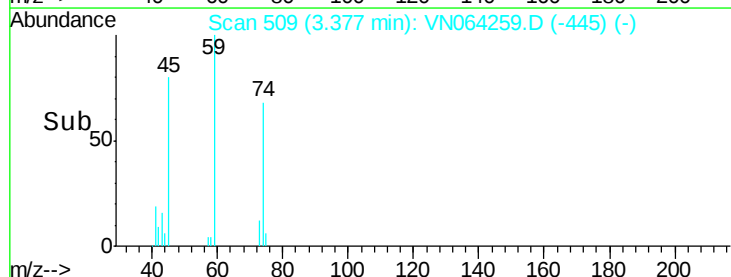
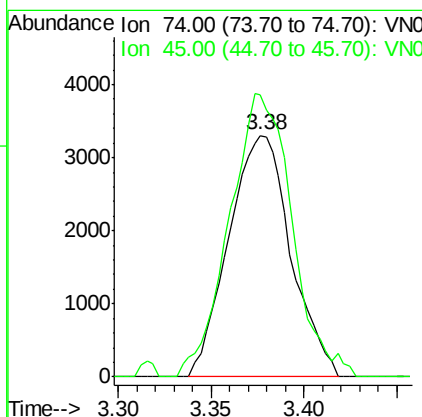
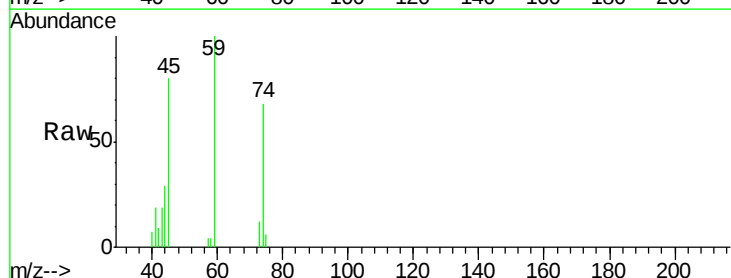
MMDadoda  
 10/23/2020 3:24:05 PM

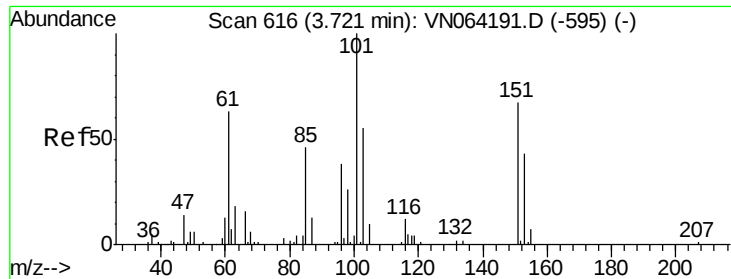


#8

Diethyl Ether  
 Concen: 4.627 ug/l  
 RT: 3.38 min Scan# 509  
 Delta R.T. 0.01 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 116.8 | 19.5  | 175.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.407 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

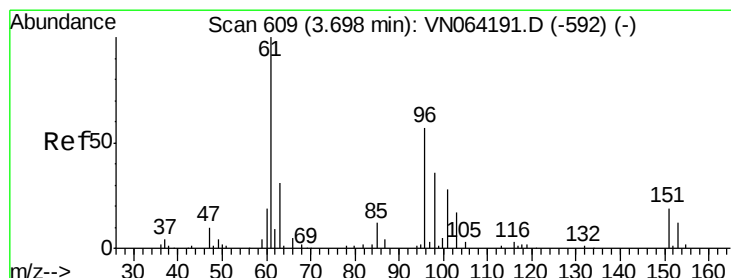
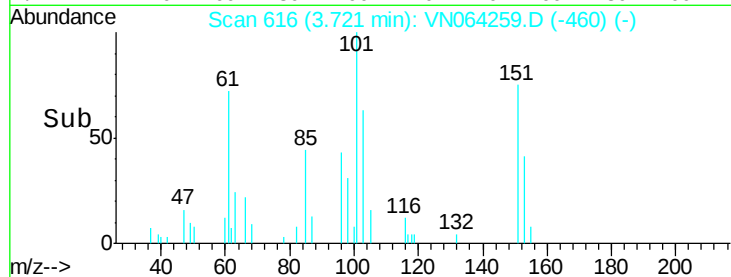
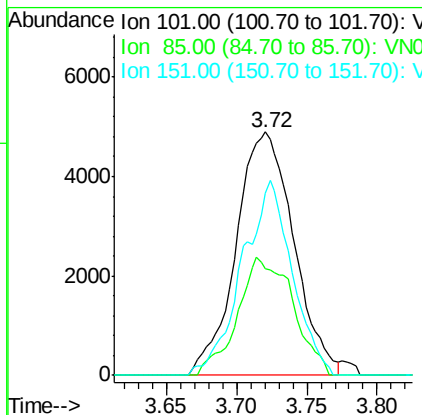
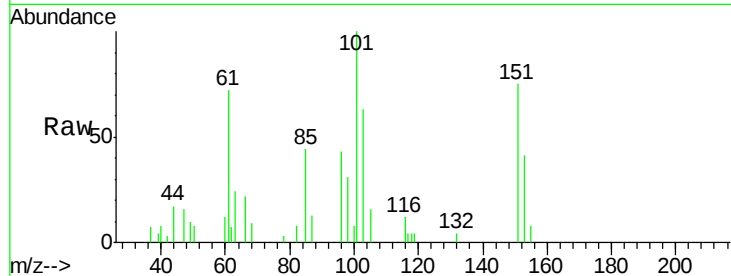
ClientSampleId :

LOQ-WATER-02-QT4-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 13978 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.7  | 0.0   | 94.0  |
| 151       | 47.3  | 0.0   | 146.6 |

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MMDadoda  
10/23/2020 3:24:05 PM



#10

1,1-Dichloroethene

Concen: 4.923 ug/l

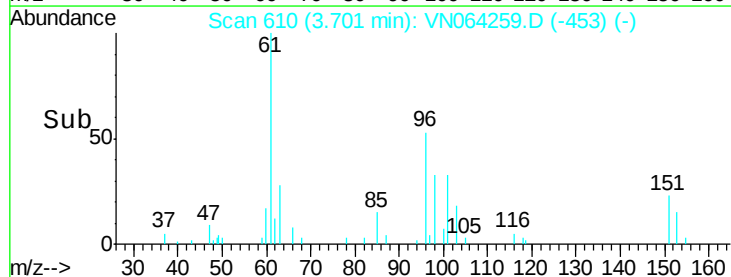
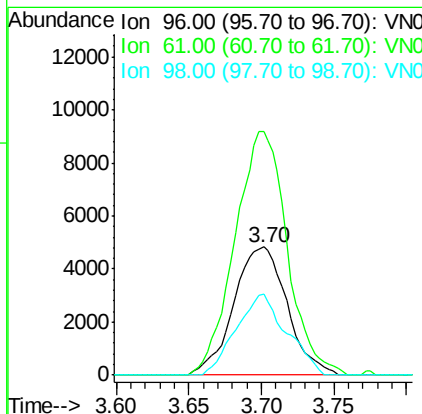
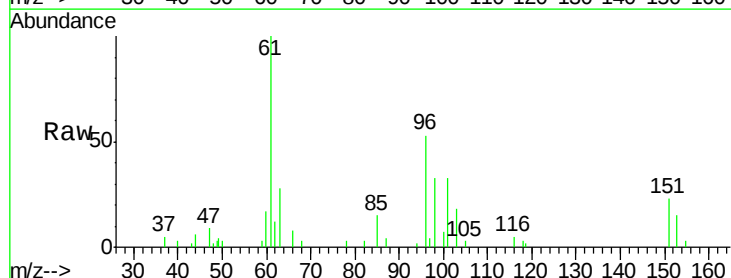
RT: 3.70 min Scan# 610

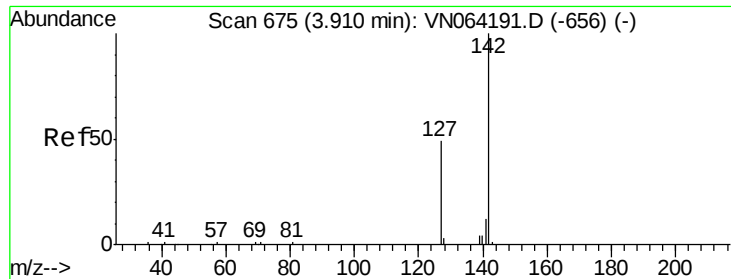
Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 12392 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 189.9 | 141.0 | 211.4 |
| 98        | 63.1  | 51.4  | 77.2  |





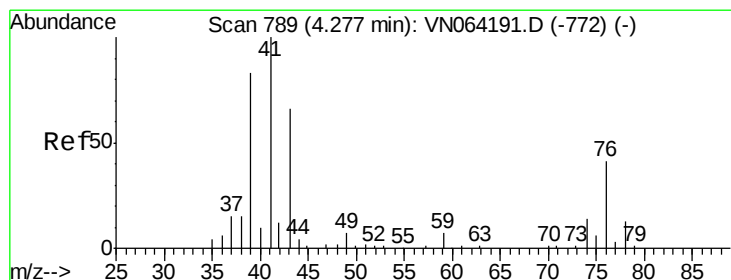
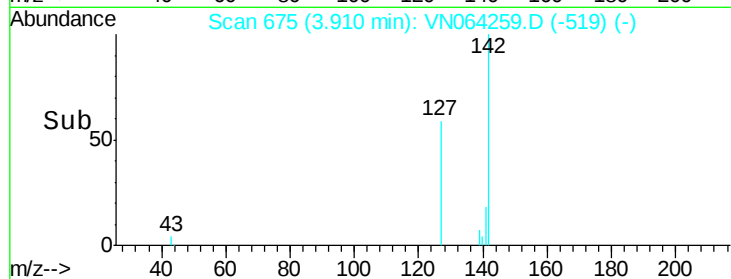
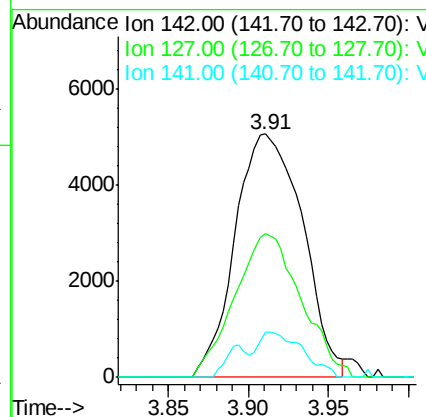
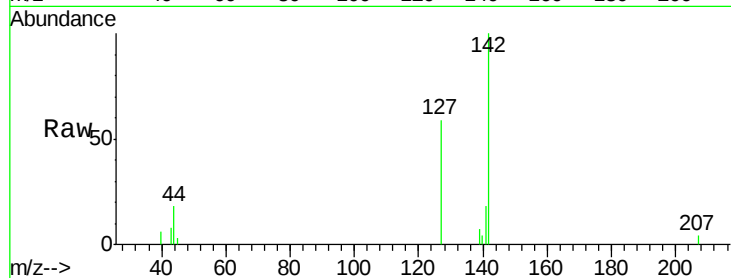
#11  
Methvl Iodide  
Concen: 4.045 ug/l  
RT: 3.91 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 58.8  | 24.5  | 73.5  |
| 141     | 19.0  | 6.0   | 18.1  |

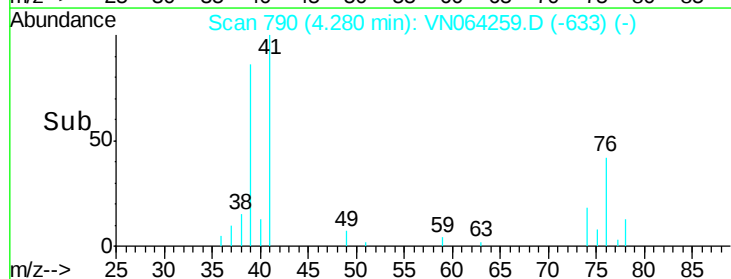
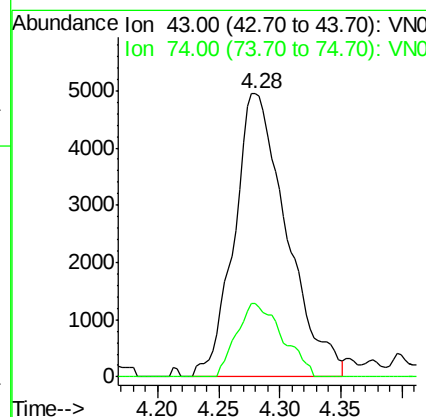
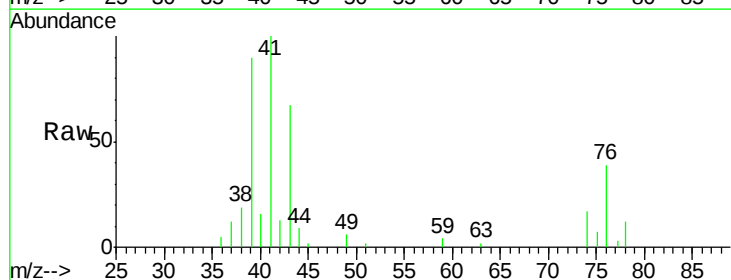
Manual Integrations  
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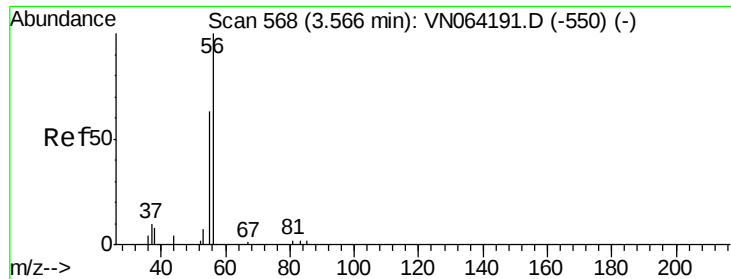
MMDadoda  
10/23/2020 3:24:05 PM



#12  
Methyl Acetate  
Concen: 5.586 ug/l  
RT: 4.28 min Scan# 790  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 26.7  | 16.2  | 24.2  |





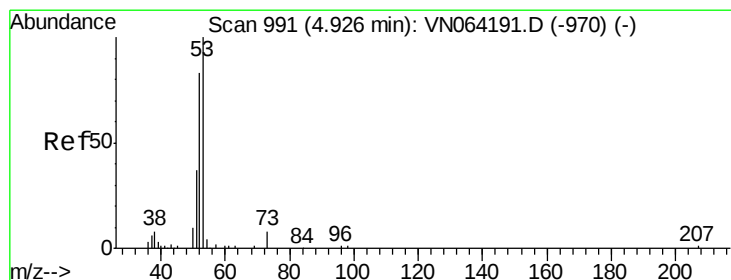
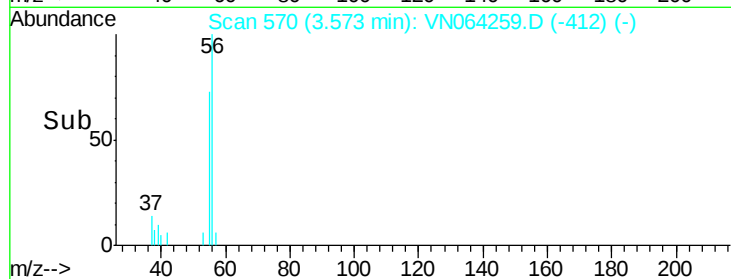
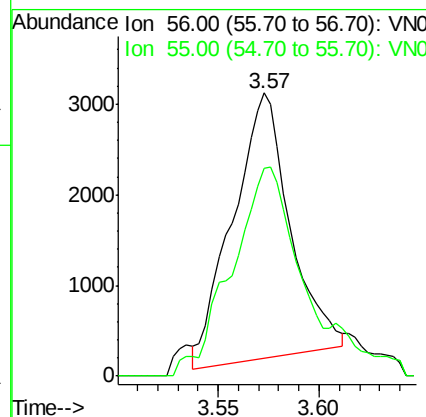
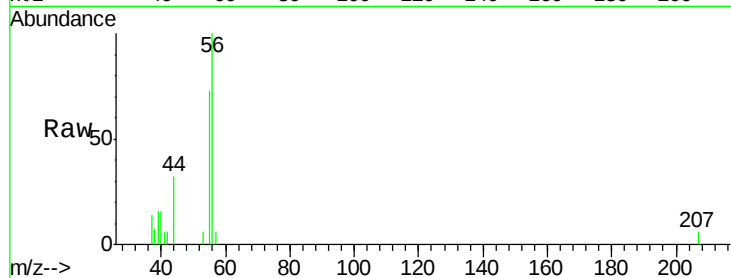
#13  
Acrolein  
Concen: 20.115 ug/l  
RT: 3.57 min Scan# 570  
Delta R.T. 0.01 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 79.6  | 0.5   | 0.7#  |

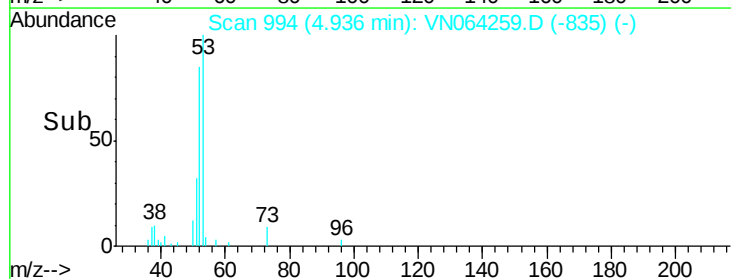
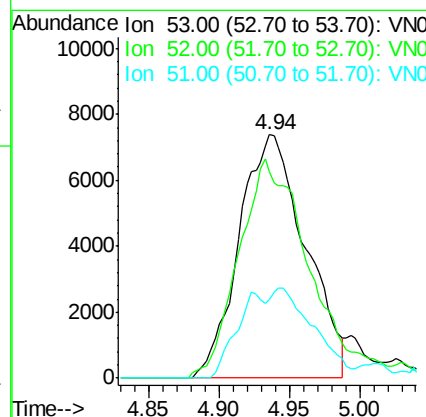
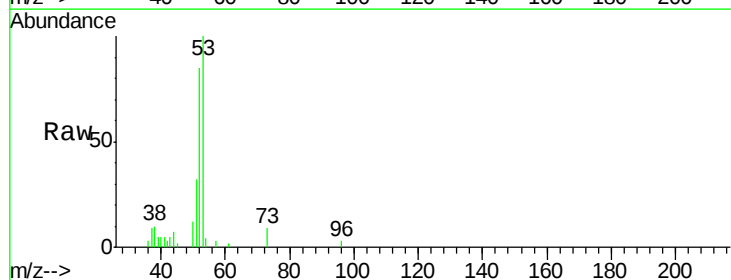
Manual Integrations  
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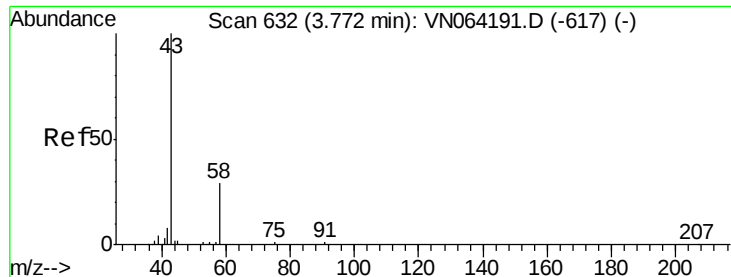
MMDadoda  
10/23/2020 3:24:05 PM



#14  
Acrylonitrile  
Concen: 22.623 ug/l  
RT: 4.94 min Scan# 994  
Delta R.T. 0.01 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 52.9  | 41.3  | 123.9 |
| 51      | 15.3  | 18.1  | 54.1# |





#15

Acetone

Concen: 27.995 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 58 Resp: 8081

Ion Ratio Lower Upper

58 100

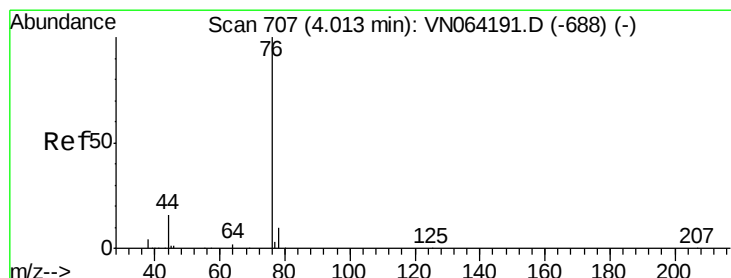
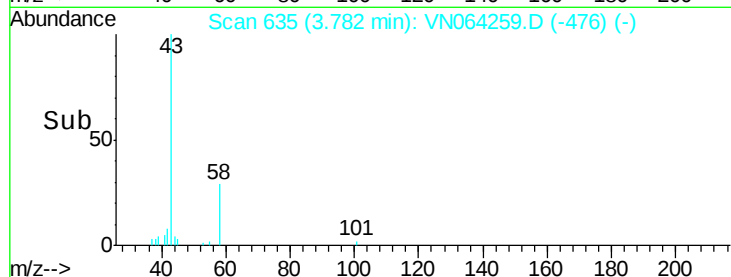
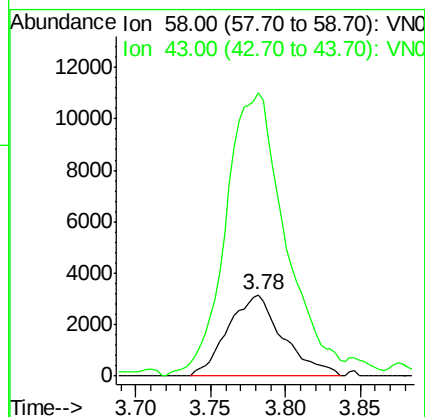
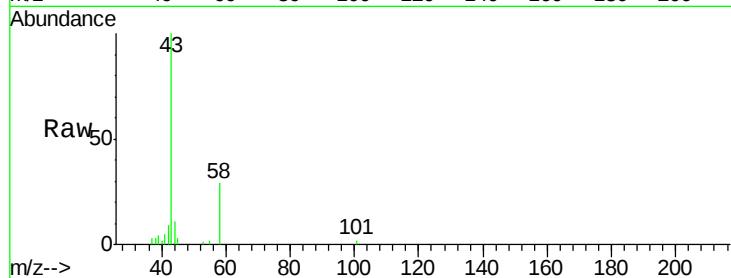
43 331.1 272.1 408.1

Manual Integrations

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MMDadoda

10/23/2020 3:24:05 PM



#16

Carbon Disulfide

Concen: 4.662 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064259.D

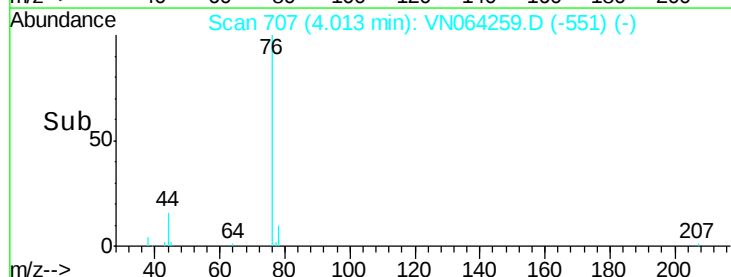
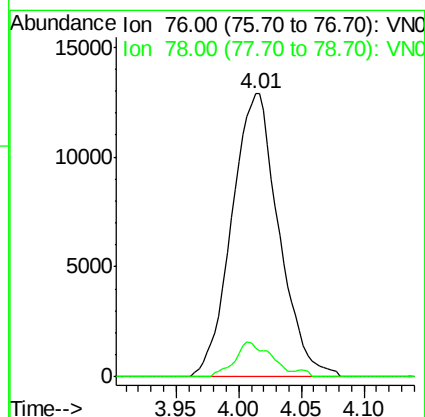
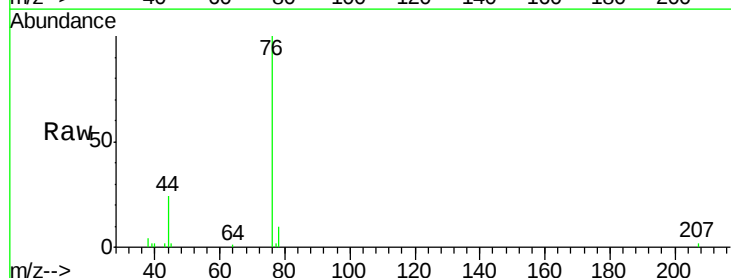
Acq: 22 Oct 2020 18:54

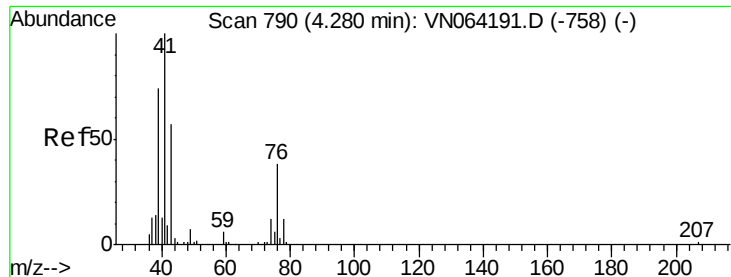
Tgt Ion: 76 Resp: 33561

Ion Ratio Lower Upper

76 100

78 10.3 7.7 11.5





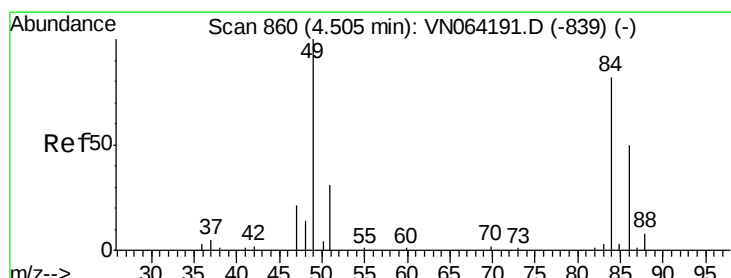
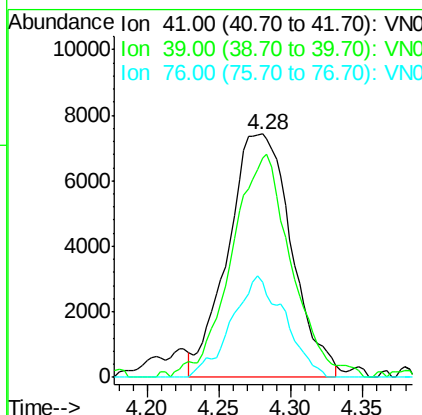
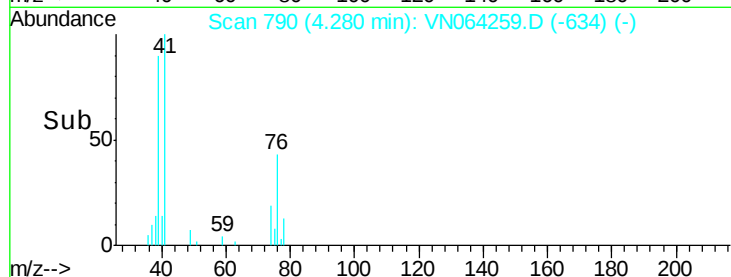
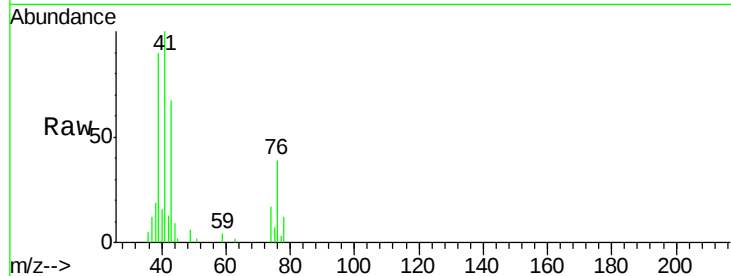
#17  
Allvl chloride  
Concen: 4.863 ug/l m  
RT: 4.28 min Scan# 790  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 22760 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 90.0  | 36.8  | 110.4 |
| 76       | 39.3  | 18.8  | 56.4  |

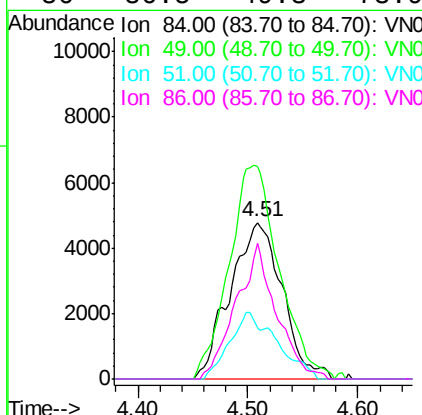
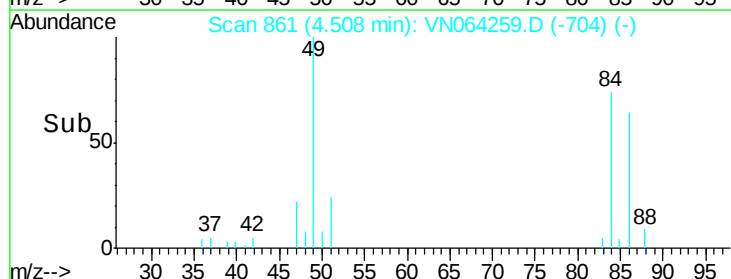
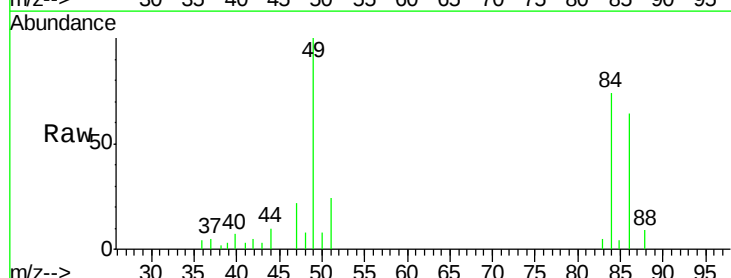
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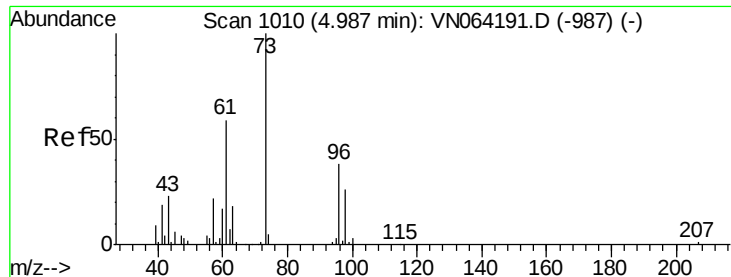
MMDadoda  
10/23/2020 3:24:05 PM



#18  
Methylene Chloride  
Concen: 5.459 ug/l m  
RT: 4.51 min Scan# 861  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 15715 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 135.5 | 97.6  | 146.4 |
| 51       | 33.1  | 31.1  | 46.7  |
| 86       | 86.5  | 49.3  | 73.9# |





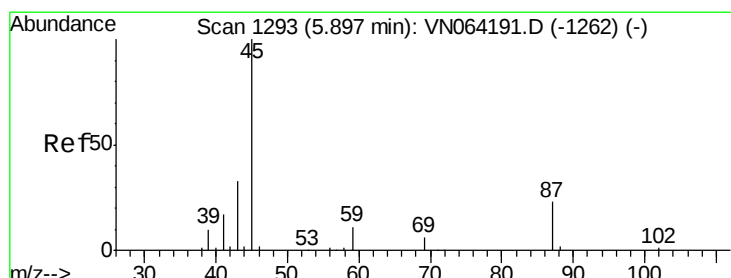
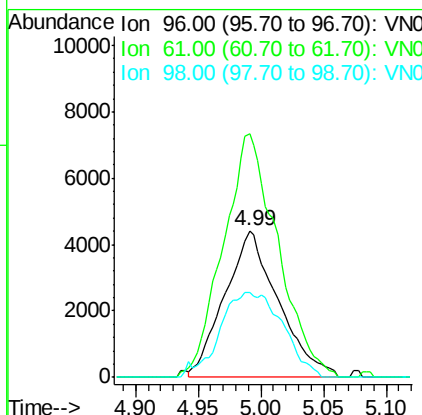
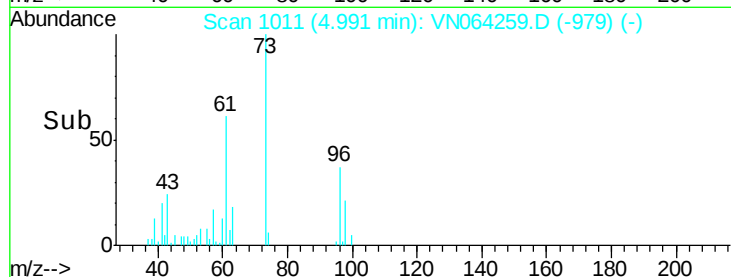
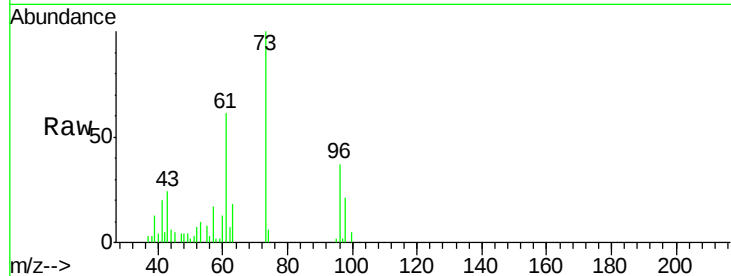
#19  
trans-1,2-Dichloroethene  
Concen: 4.837 ug/l  
RT: 4.99 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 166.1 | 125.5 | 188.3 |
| 98      | 57.9  | 54.7  | 82.1  |

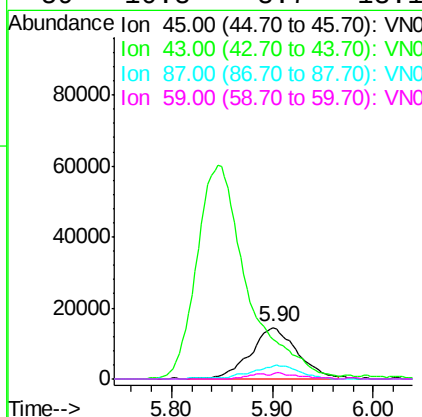
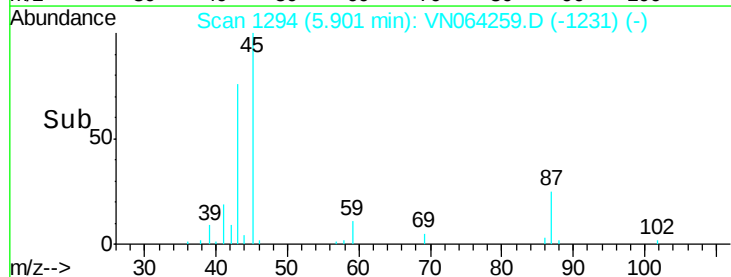
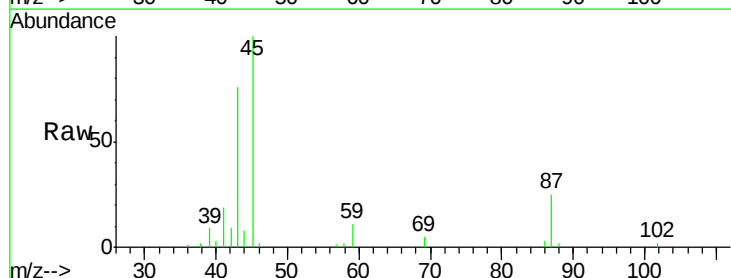
Manual Integrations  
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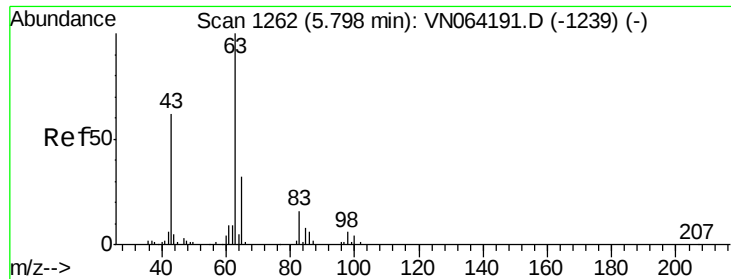
MMDadoda  
10/23/2020 3:24:05 PM



#20  
Diisopropyl ether  
Concen: 5.417 ug/l  
RT: 5.90 min Scan# 1294  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 69.8  | 55.1  | 82.7  |
| 87      | 23.7  | 19.4  | 29.2  |
| 59      | 10.8  | 8.7   | 13.1  |





#21

1,1-Dichloroethane

Concen: 5.125 ug/l

RT: 5.80 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

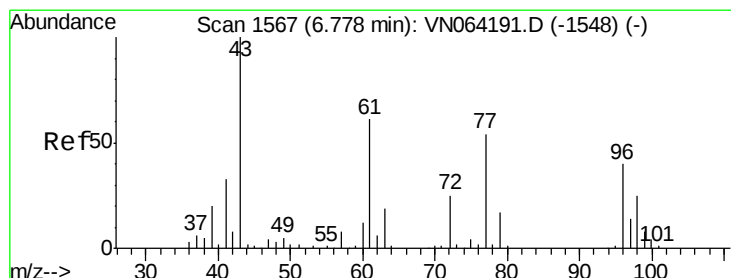
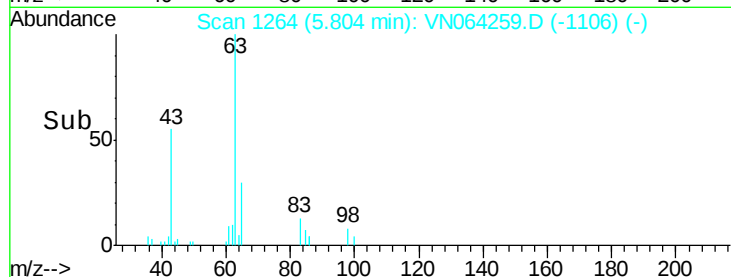
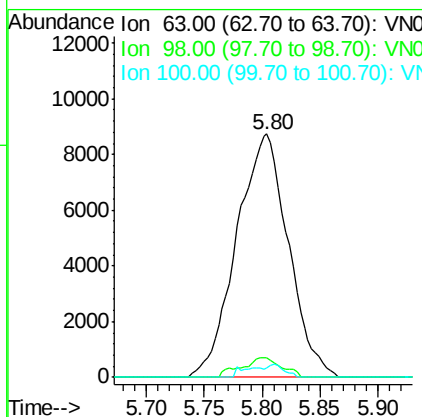
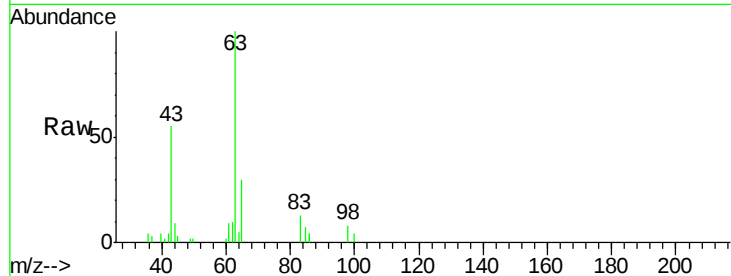
ClientSampleId :

LOQ-WATER-02-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 63    | Resp: | 27061 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 8.3   | 2.9   | 8.7   |
| 100      | 4.0   | 2.1   | 6.3   |

Manual Integrations  
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MMDadoda  
10/23/2020 3:24:05 PM



#22

cis-1,2-Dichloroethene

Concen: 5.250 ug/l

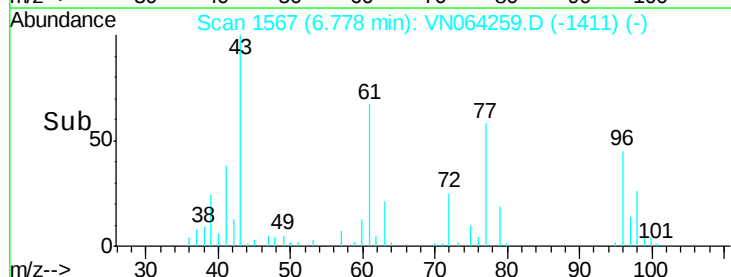
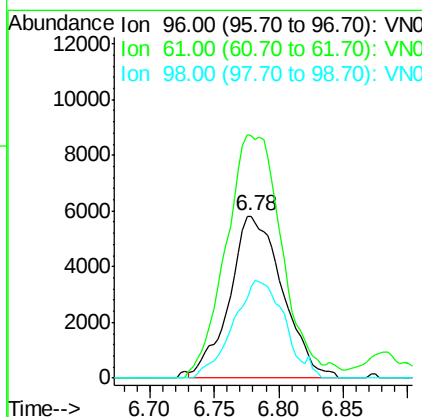
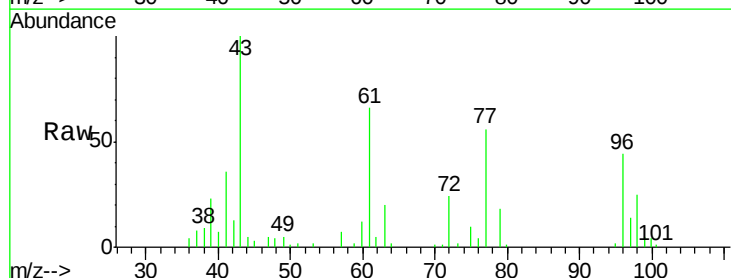
RT: 6.78 min Scan# 1567

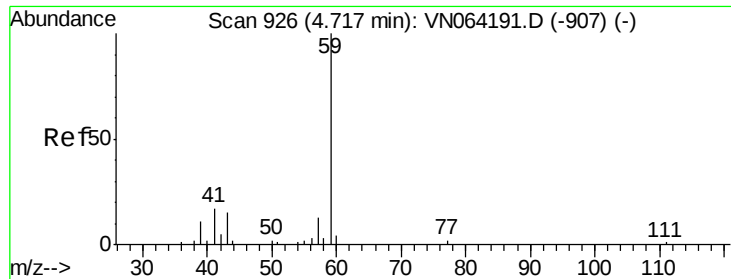
Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 16663  |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 85.4  | 126.2 | 189.4# |
| 98       | 57.0  | 50.2  | 75.4   |





#23

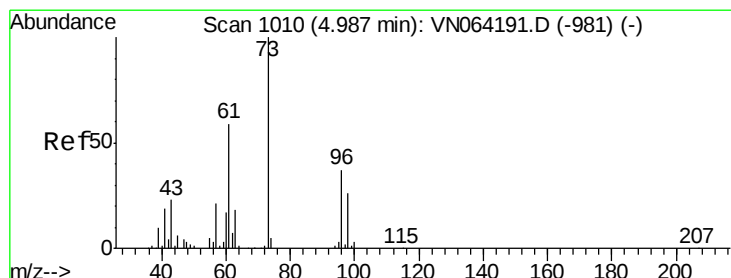
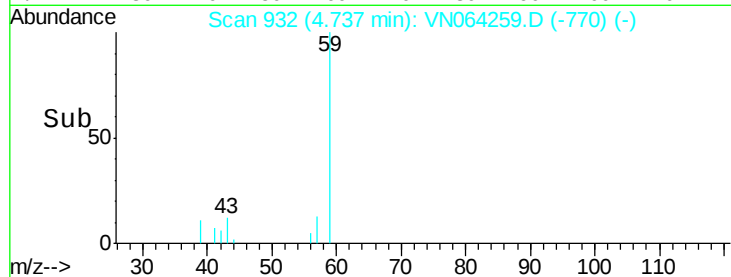
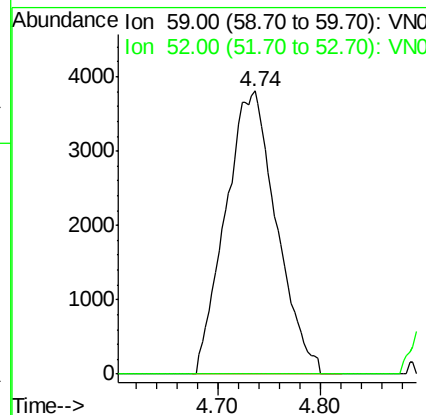
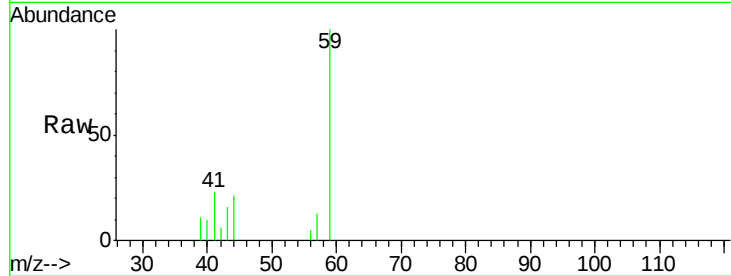
tert-Butyl Alcohol  
 Concen: 26.628 ug/l m  
 RT: 4.74 min Scan# 932  
 Delta R.T. 0.02 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2020

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

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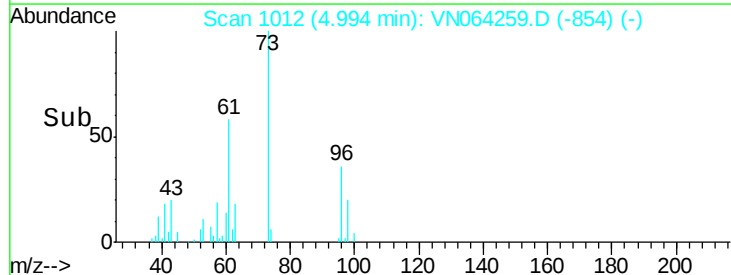
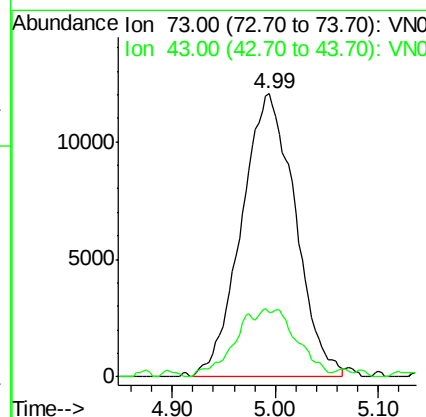
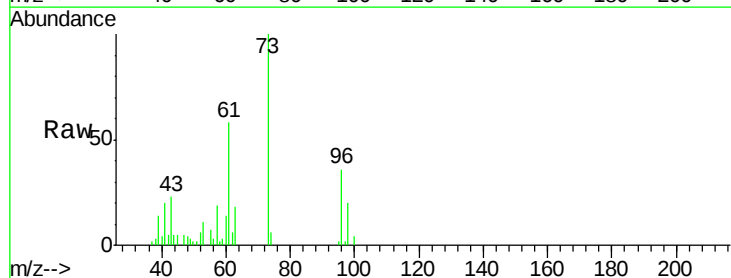
MMDadoda  
 10/23/2020 3:24:05 PM

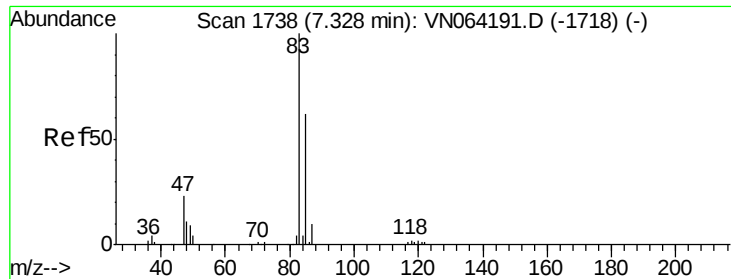


#24

Methyl tert-Butyl Ether  
 Concen: 5.239 ug/l  
 RT: 4.99 min Scan# 1012  
 Delta R.T. 0.01 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 10.4  | 18.2  | 27.2  |





#25

Chloroform

Concen: 5.178 ug/l m

RT: 7.33 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 83 Resp: 28410

Ion Ratio Lower Upper

83 100

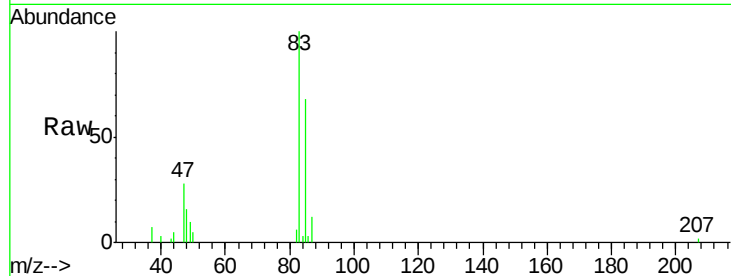
85 68.2 49.7 74.5

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Abundance Ion 83.00 (82.70 to 83.70): VN064259.D (-1718) (-)

Ion 85.00 (84.70 to 85.70): VN064259.D (-1718) (-)

7.33

12000

10000

8000

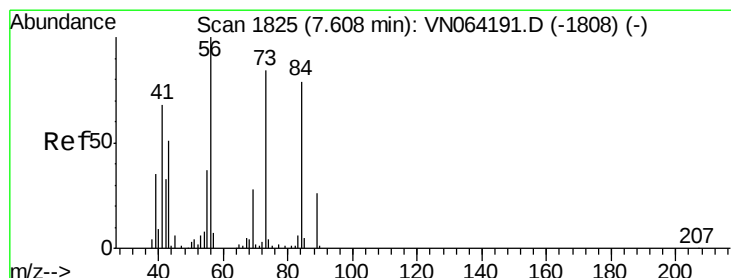
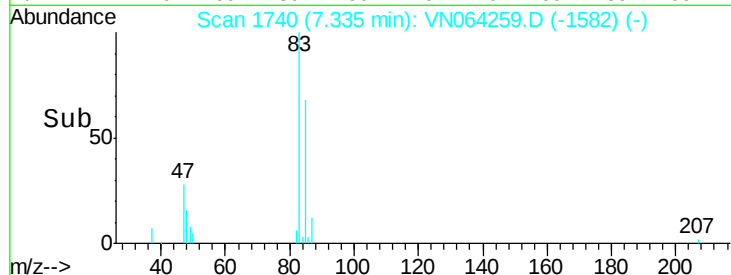
6000

4000

2000

0

Time-->



#26

Cyclohexane

Concen: 4.844 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

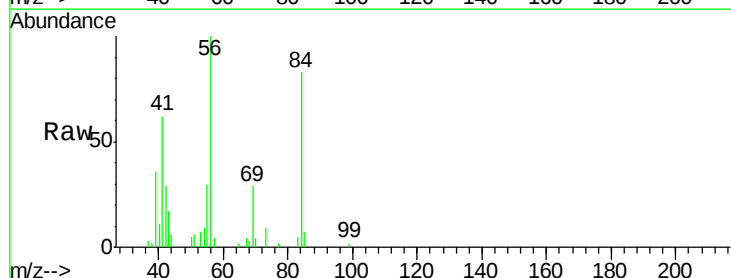
Tgt Ion: 56 Resp: 20282

Ion Ratio Lower Upper

56 100

89 0.0 21.4 32.0#

84 84.0 65.8 98.6



Abundance Ion 56.00 (55.70 to 56.70): VN064259.D (-1669) (-)

Ion 89.00 (88.70 to 89.70): VN064259.D (-1669) (-)

Ion 84.00 (83.70 to 84.70): VN064259.D (-1669) (-)

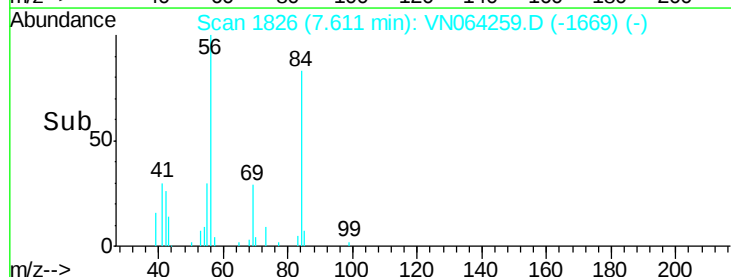
15000

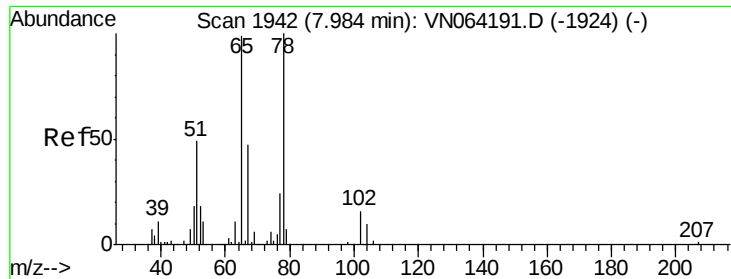
10000

5000

0

Time-->





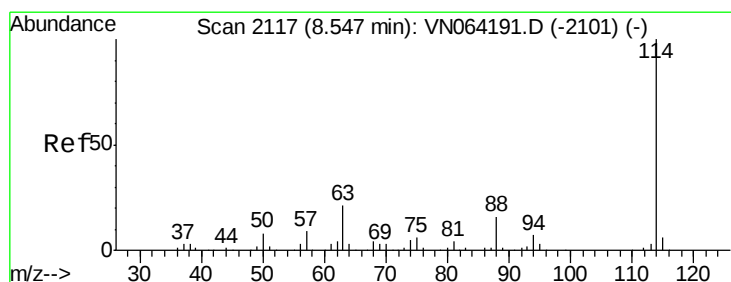
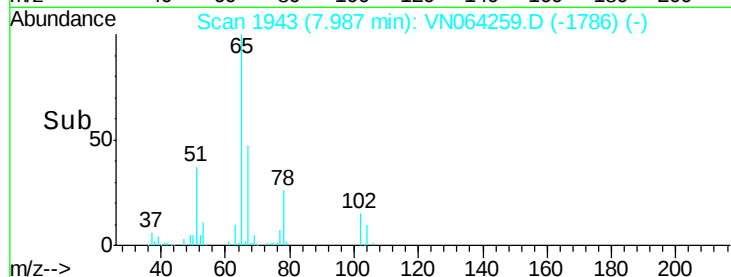
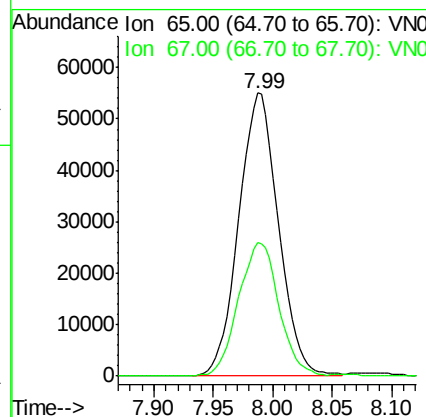
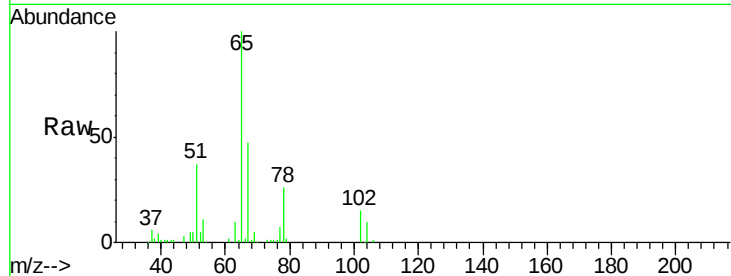
#27  
 1,2-Dichloroethane-d4  
 Concen: 35.246 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2020

Tot Ion: 65 Resp: 127296  
 Ion Ratio Lower Upper  
 65 100  
 67 47.9 39.8 59.6

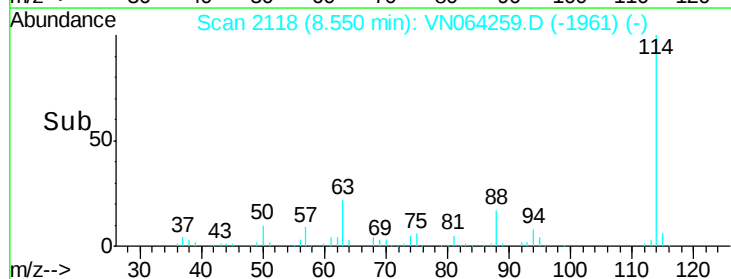
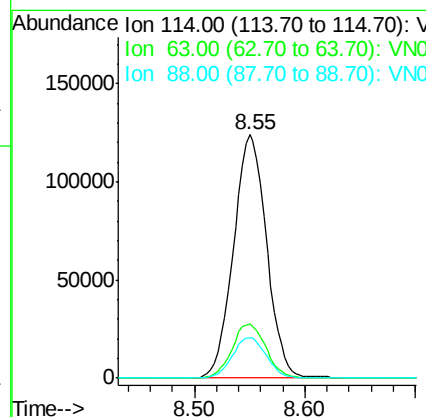
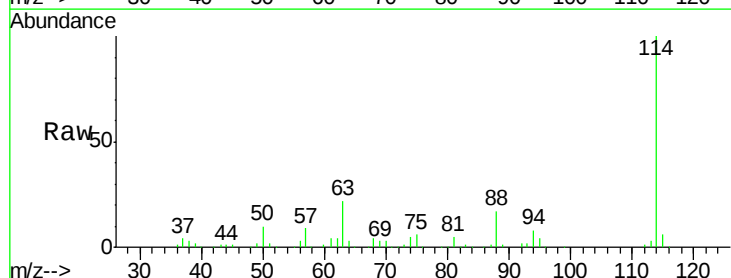
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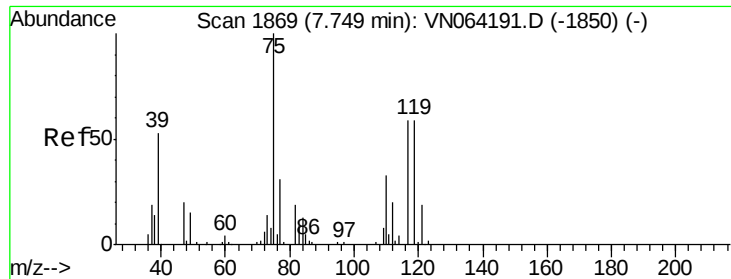
MMDadoda  
 10/23/2020 3:24:05 PM



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

Tgt Ion: 114 Resp: 258270  
 Ion Ratio Lower Upper  
 114 100  
 63 22.5 17.0 25.4  
 88 16.9 13.0 19.4





#29

1,1-Dichloropropene

Concen: 4.734 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

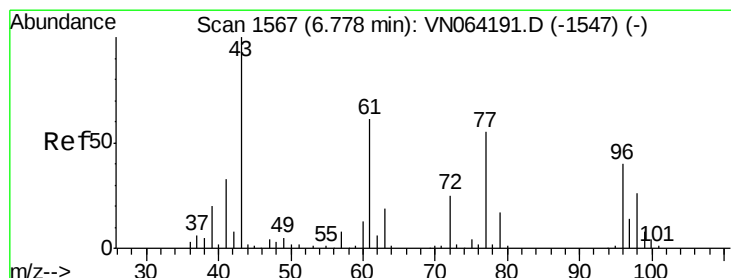
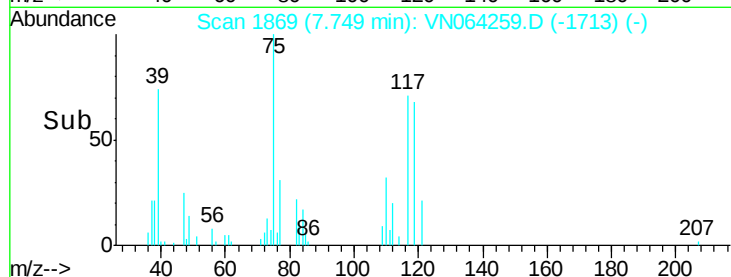
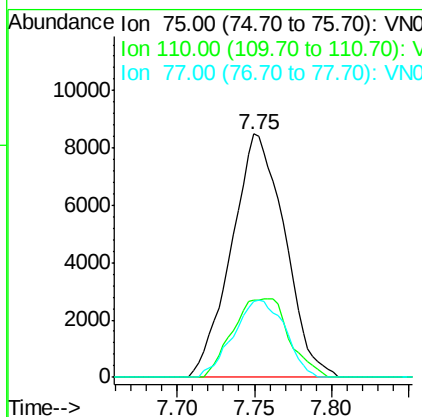
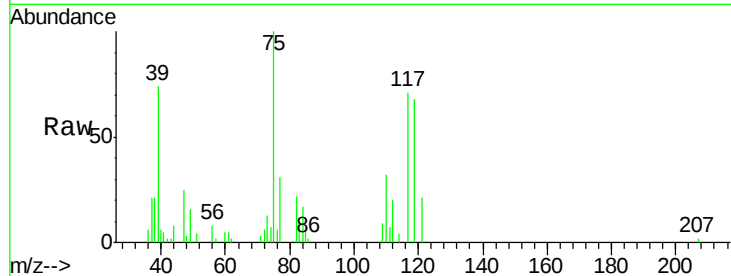
ClientSampleId :

LOQ-WATER-02-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 20304 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 34.2  | 0.0   | 66.8  |
| 77       | 30.7  | 0.0   | 63.6  |

Manual Integrations  
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10/23/2020 3:24:05 PM



#30

2-Butanone

Concen: 25.786 ug/l

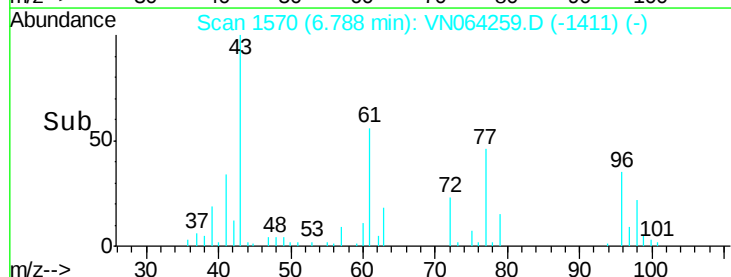
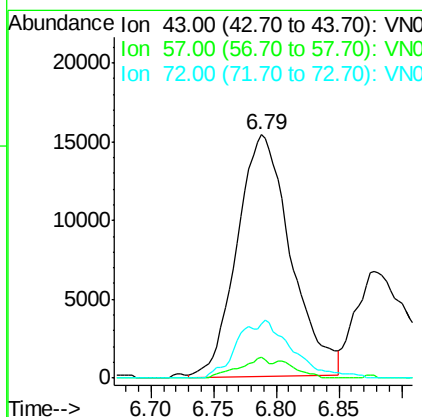
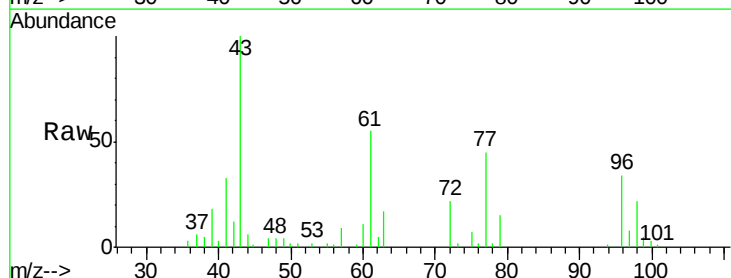
RT: 6.79 min Scan# 1570

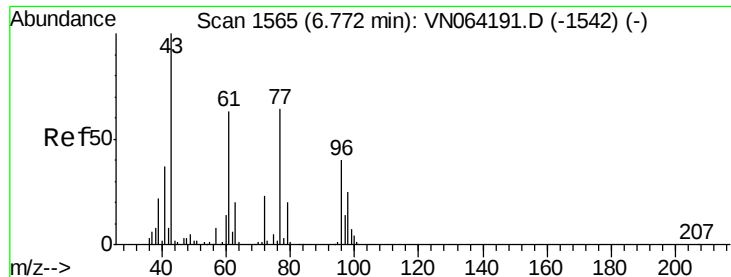
Delta R.T. 0.01 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 45608 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 57       | 4.6   | 5.8   | 8.6#  |
| 72       | 12.8  | 19.8  | 29.8# |





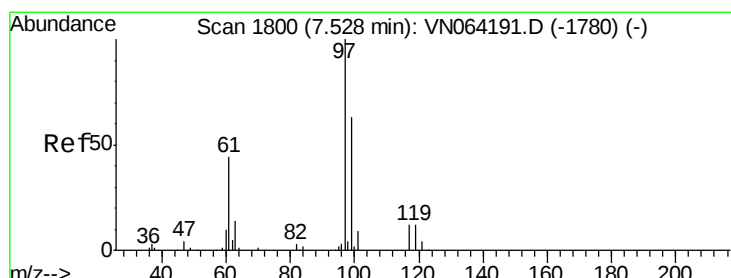
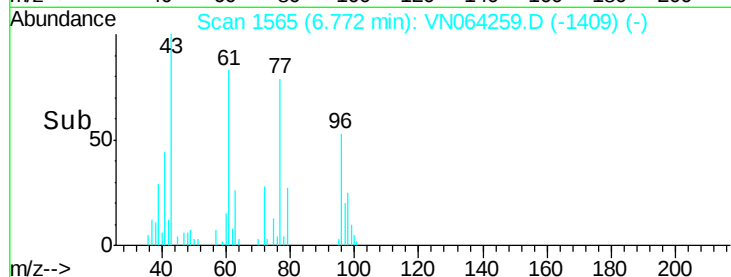
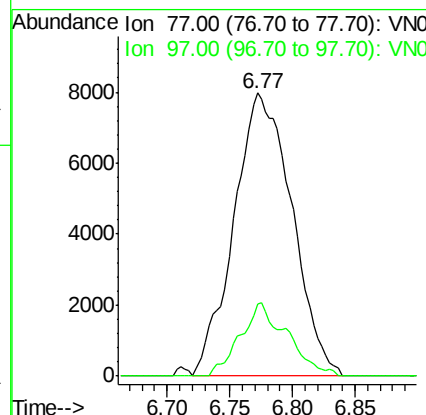
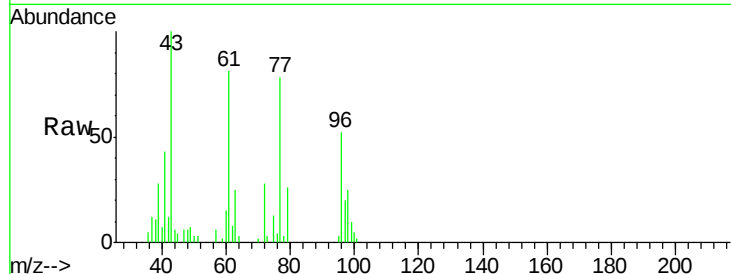
#31  
 2,2-Dichloropropane  
 Concen: 4.713 ug/l  
 RT: 6.77 min Scan# 1565  
 Delta R.T. 0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 97      | 10.4  | 17.3  | 25.9# |

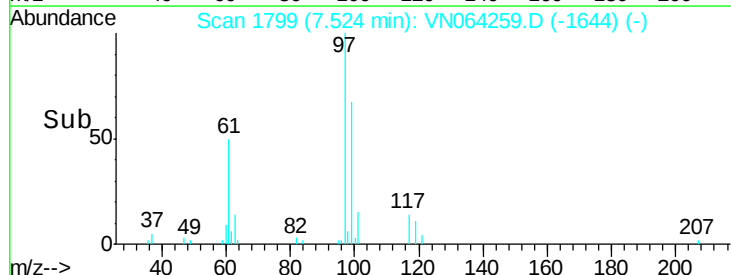
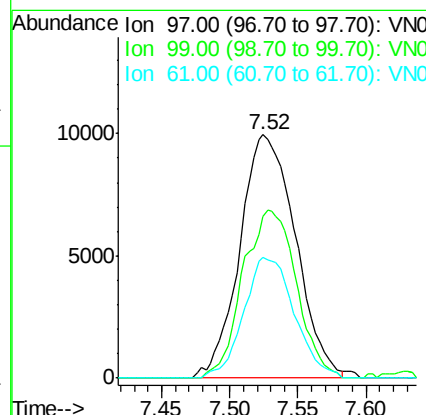
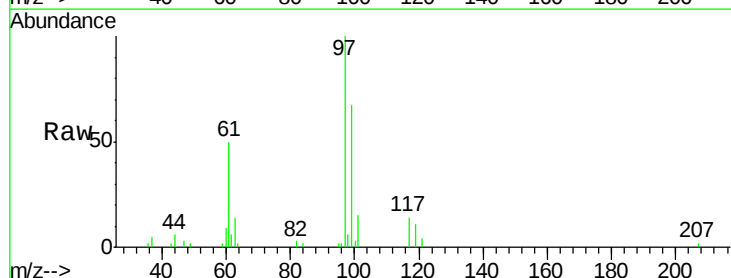
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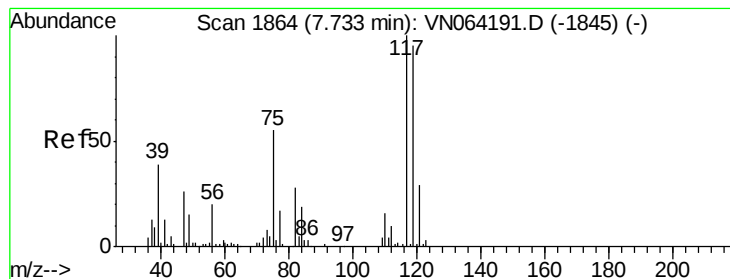
MMDadoda  
 10/23/2020 3:24:05 PM



#32  
 1,1,1-Trichloroethane  
 Concen: 5.154 ug/l  
 RT: 7.52 min Scan# 1799  
 Delta R.T. -0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 66.5  | 51.3  | 76.9  |
| 61      | 45.2  | 34.8  | 52.2  |





#33

Carbon Tetrachloride

Concen: 4.798 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

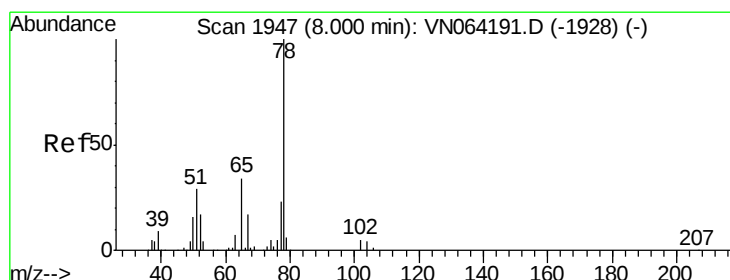
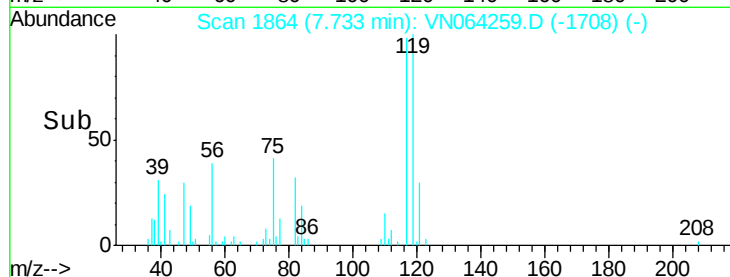
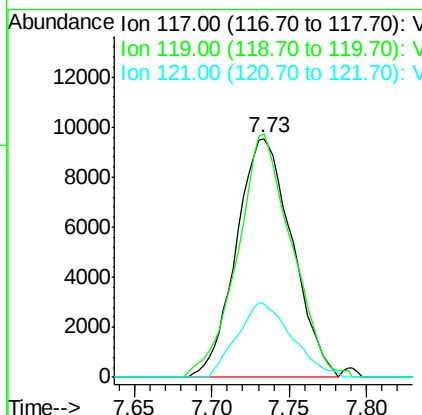
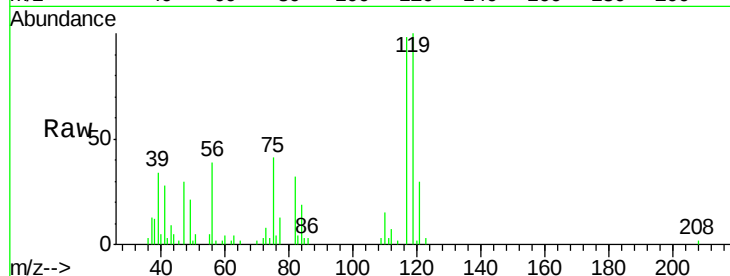
ClientSampleId :

LOQ-WATER-02-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 117   | Resp: | 23906 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 99.6  | 76.0  | 114.0 |
| 121      | 30.8  | 23.0  | 34.6  |

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#34

Benzene

Concen: 4.962 ug/l

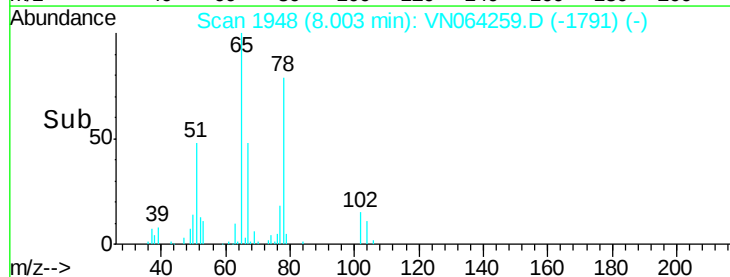
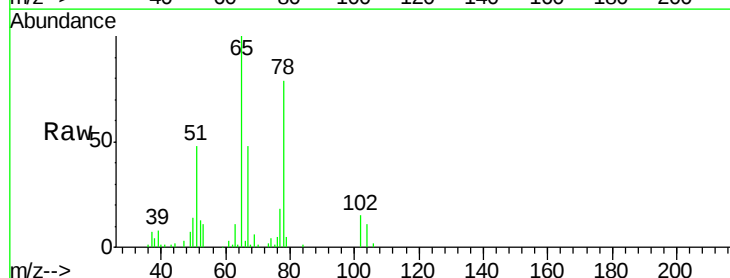
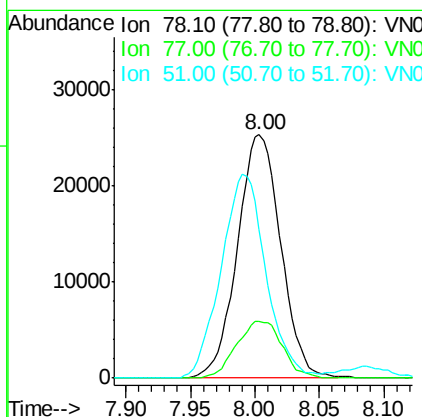
RT: 8.00 min Scan# 1948

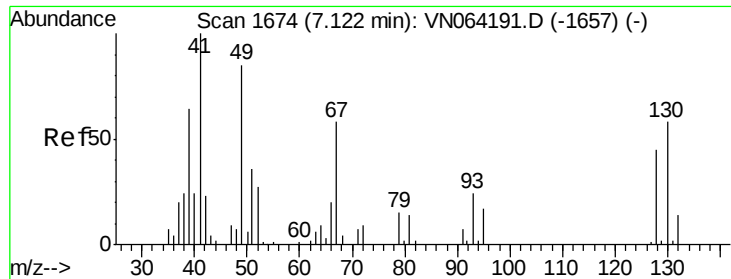
Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 59267 |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 23.2  | 18.4  | 27.6  |
| 51       | 59.2  | 23.0  | 34.6# |





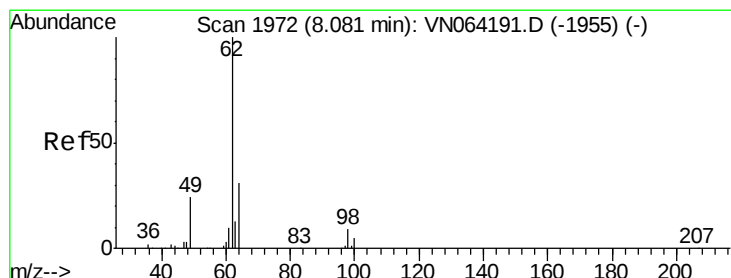
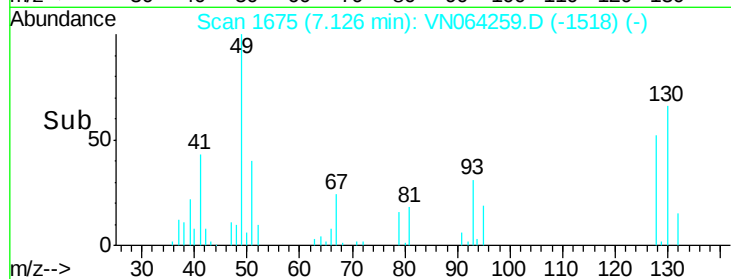
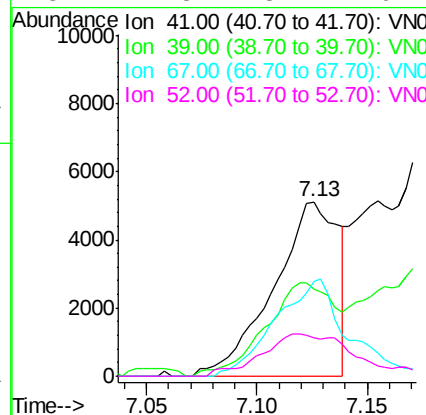
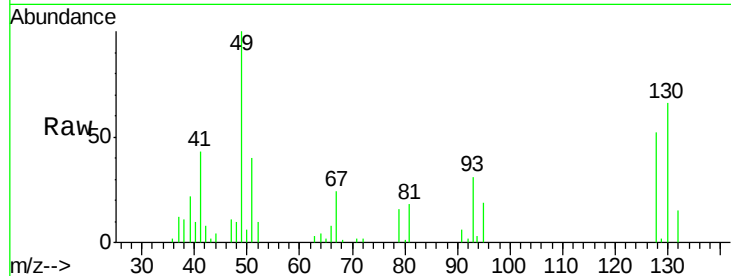
#35  
Methacrylonitrile  
Concen: 5.355 ug/l  
RT: 7.13 min Scan# 1675  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 41      | 100  |       |      |       |       |
| 39      | 49.9 | 32.1  | 96.3 |       |       |
| 67      | 54.1 | 28.9  | 86.8 |       |       |
| 52      | 22.3 | 13.4  | 40.2 |       |       |

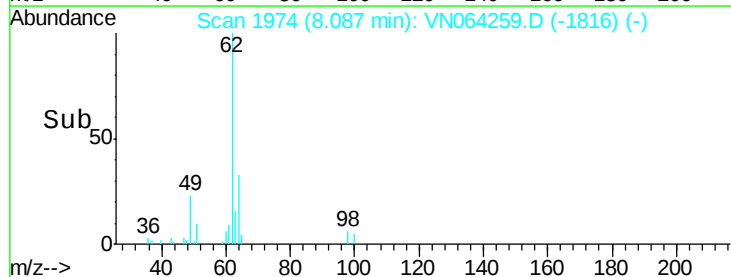
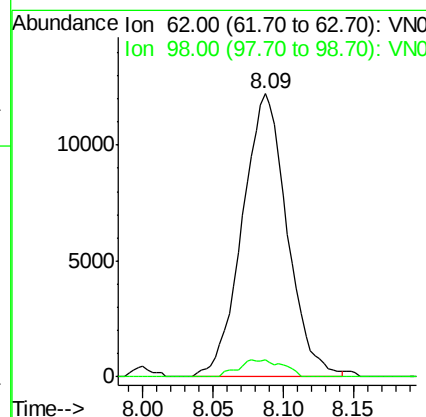
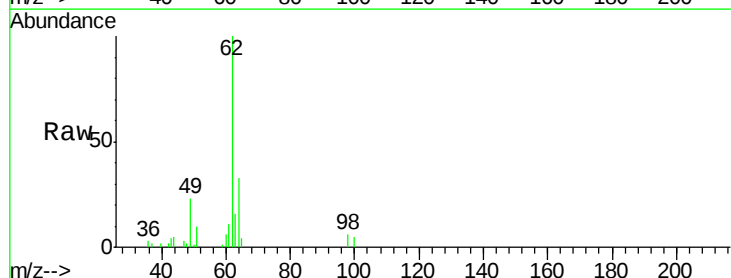
Manual Integrations  
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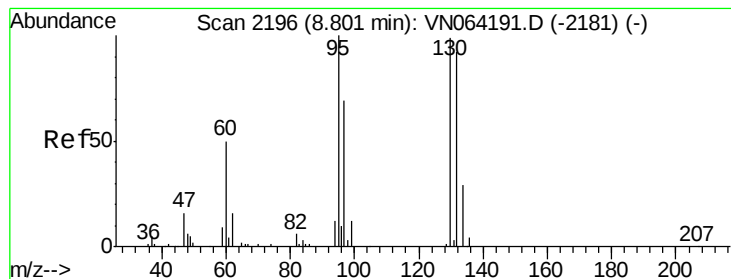
MMDadoda  
10/23/2020 3:24:05 PM



#36  
1,2-Dichloroethane  
Concen: 5.632 ug/l  
RT: 8.09 min Scan# 1974  
Delta R.T. 0.01 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 62      | 100 |       |      |       |       |
| 98      | 1.0 | 6.3   | 9.5# |       |       |





#37

Trichloroethene

Concen: 5.045 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:130 Resp: 16589

Ion Ratio Lower Upper

130 100

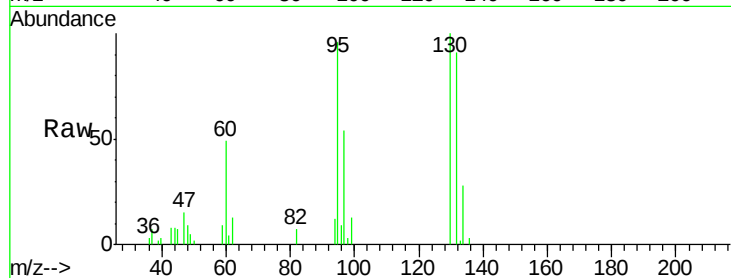
95 95.6 81.0 121.4

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN064259.D (-2040) (-)

Ion 94.90 (94.60 to 95.60): VN064259.D (-2040) (-)

8.80

10000

8000

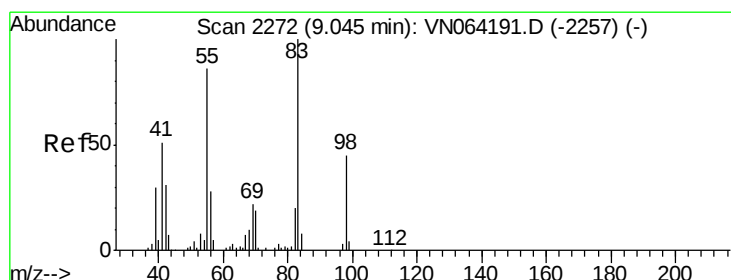
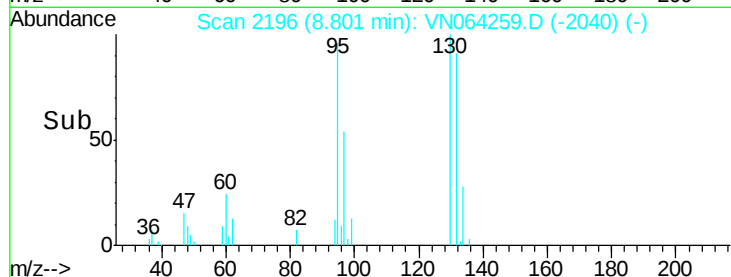
6000

4000

2000

0

Time-->



#38

Methylcyclohexane

Concen: 4.785 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

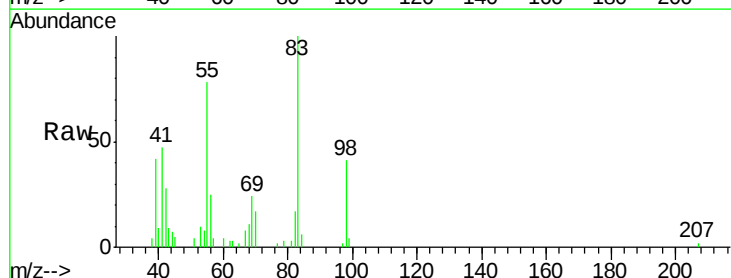
Tgt Ion: 83 Resp: 19630

Ion Ratio Lower Upper

83 100

55 80.1 40.3 120.9

98 41.8 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN064259.D (-2116) (-)

Ion 55.00 (54.70 to 55.70): VN064259.D (-2116) (-)

Ion 98.00 (97.70 to 98.70): VN064259.D (-2116) (-)

9.05

12000

10000

8000

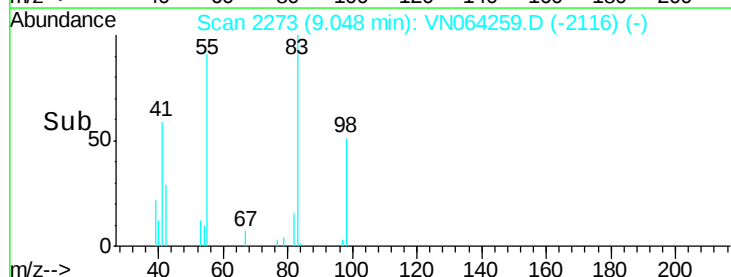
6000

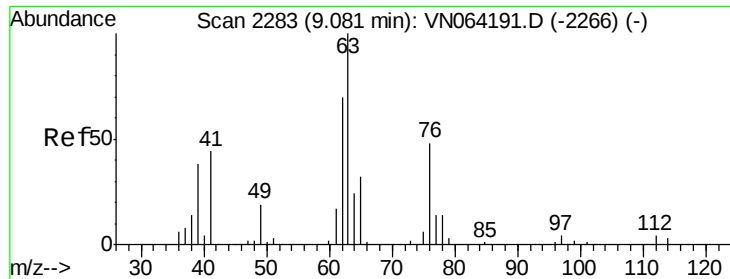
4000

2000

0

Time-->





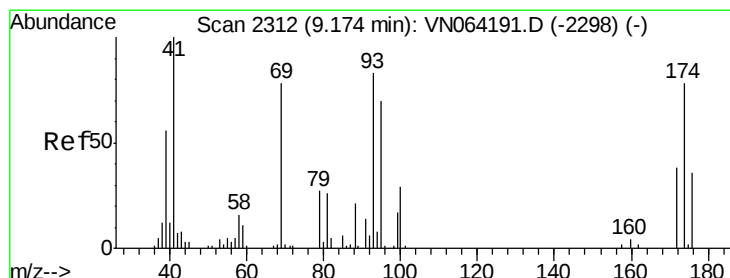
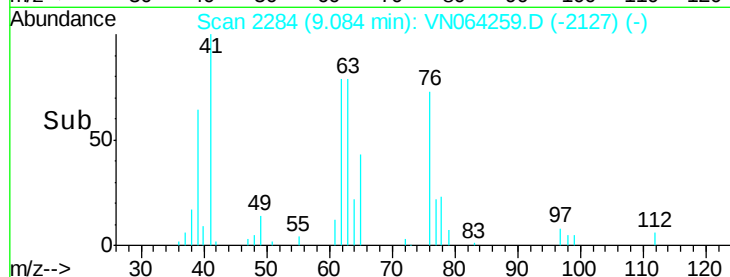
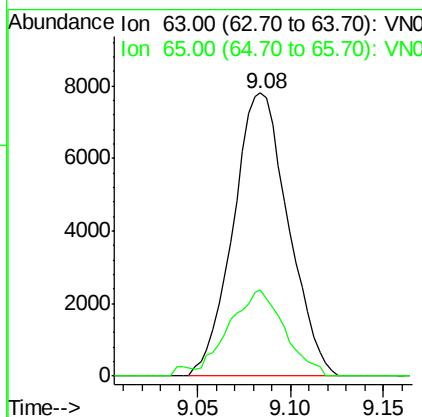
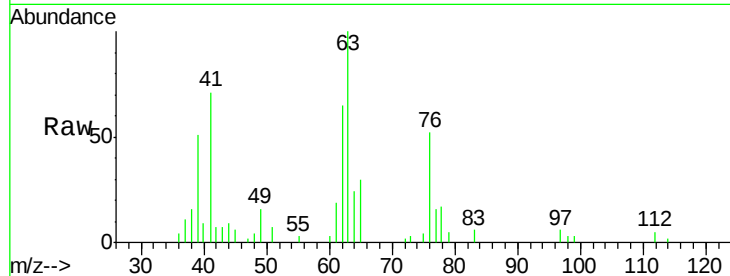
#39  
 1,2-Dichloropropane  
 Concen: 5.059 ug/l  
 RT: 9.08 min Scan# 2284  
 Delta R.T. 0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2020

Tot Ion: 63 Resp: 16125  
 Ion Ratio Lower Upper  
 63 100  
 65 30.5 26.5 39.7

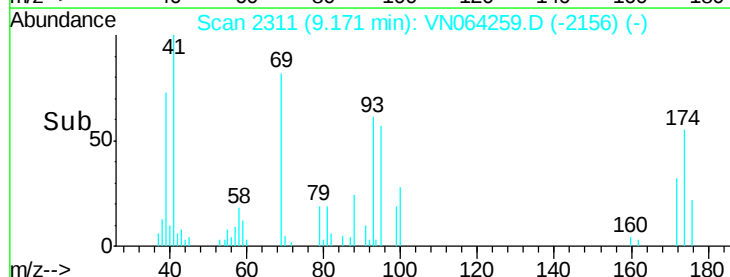
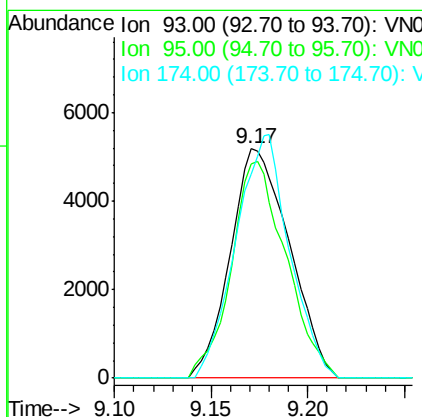
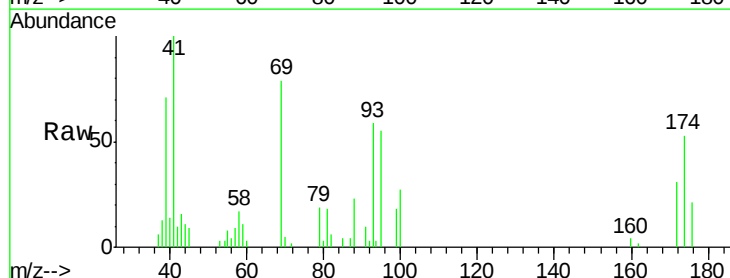
Manual Integrations  
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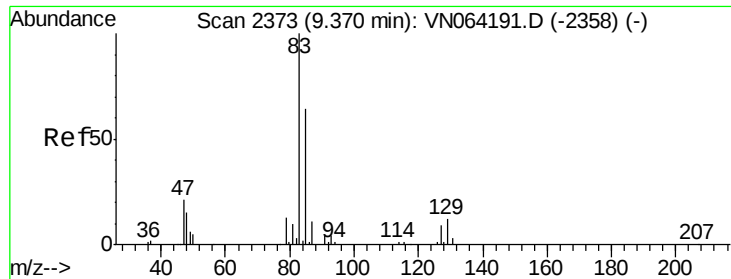
MMDadoda  
 10/23/2020 3:24:05 PM



#40  
 Dibromomethane  
 Concen: 4.962 ug/l  
 RT: 9.17 min Scan# 2311  
 Delta R.T. -0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

Tgt Ion: 93 Resp: 11005  
 Ion Ratio Lower Upper  
 93 100  
 95 87.2 0.0 169.2  
 174 96.6 0.0 187.4





#41

Bromodichloromethane

Concen: 4.895 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

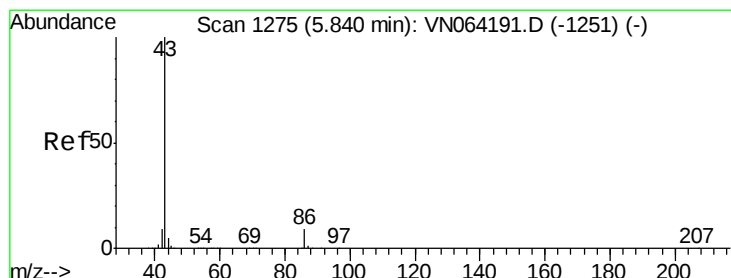
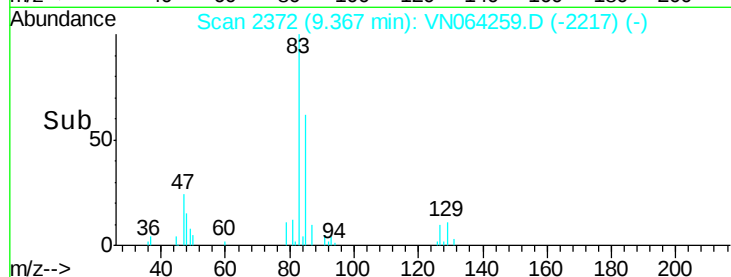
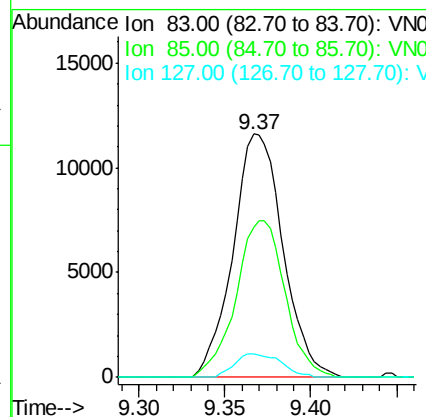
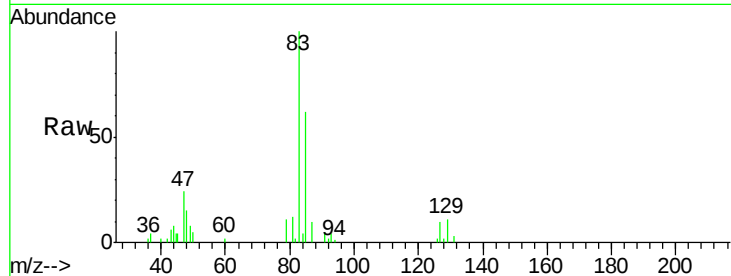
ClientSampleId :

LOQ-WATER-02-QT4-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 23495 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 61.7  | 51.5  | 77.3  |
| 127       | 9.8   | 6.8   | 10.2  |

Manual Integrations  
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#42

Vinyl Acetate

Concen: 25.065 ug/l

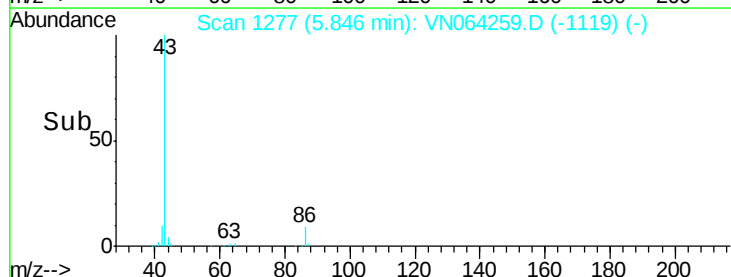
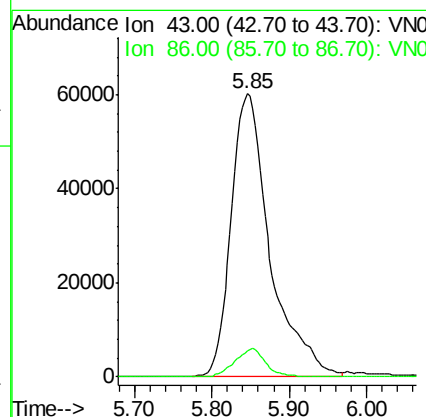
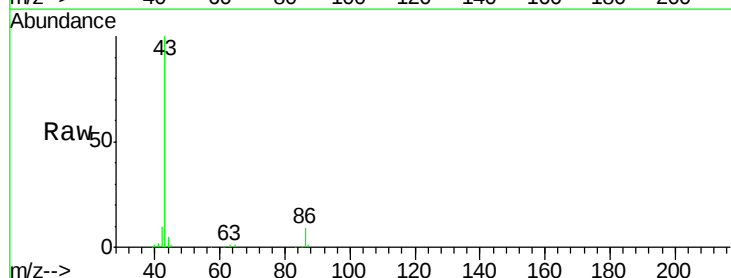
RT: 5.85 min Scan# 1277

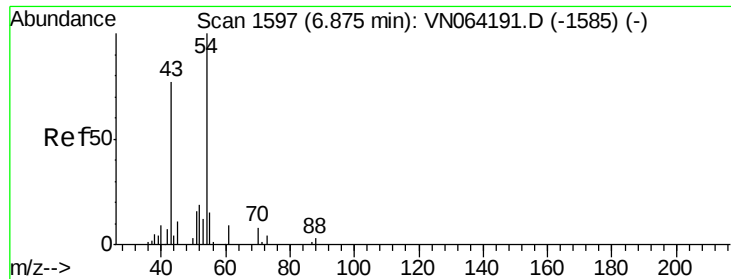
Delta R.T. 0.01 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 210473 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 86        | 7.9   | 6.7   | 10.1   |





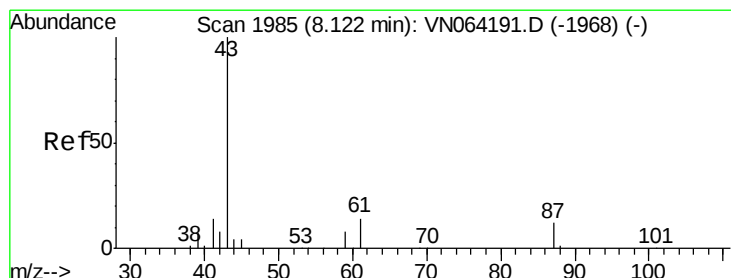
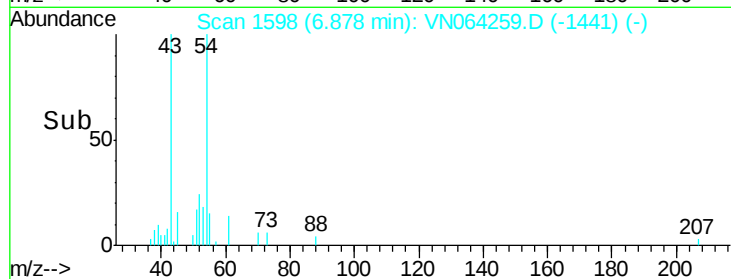
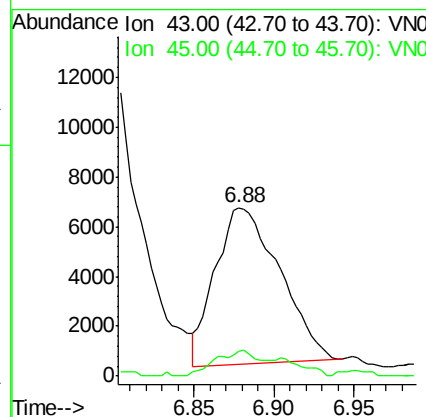
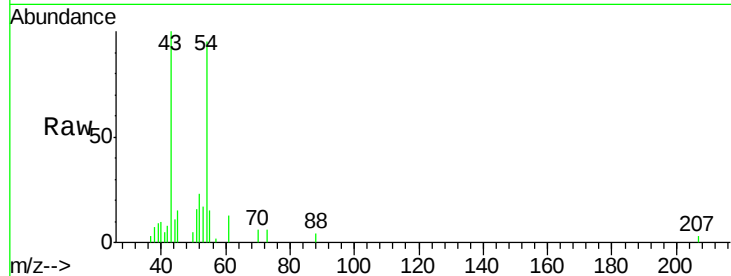
#43  
Ethyl Acetate  
Concen: 4.508 ug/l  
RT: 6.88 min Scan# 1598  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 17416  
Ion Ratio Lower Upper  
43 100  
45 7.0 9.8 14.8#

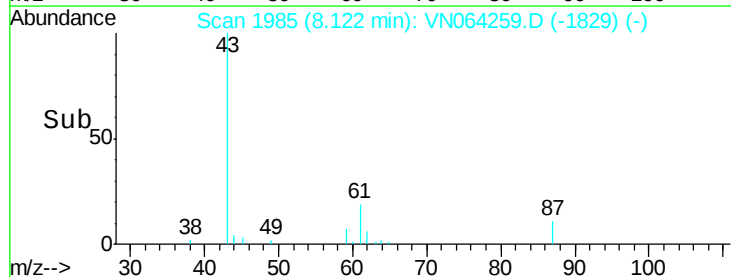
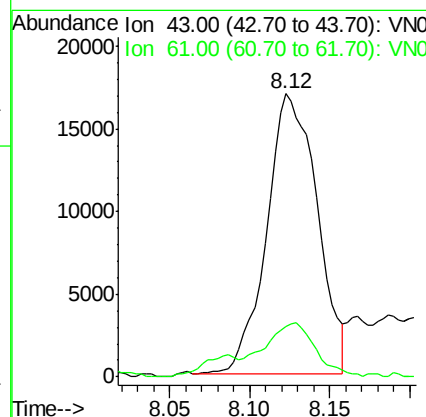
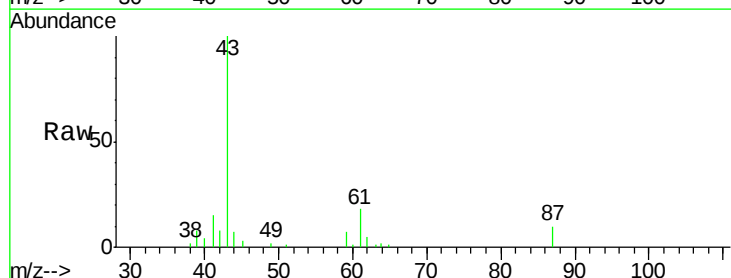
Manual Integrations  
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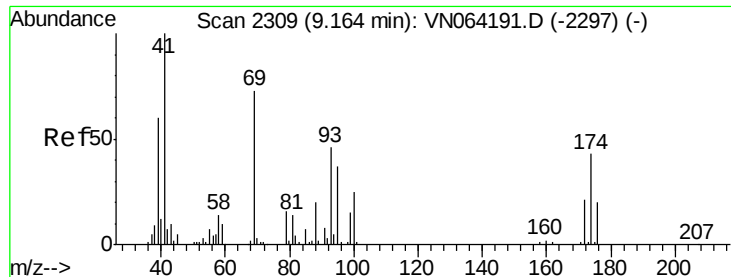
MMDadoda  
10/23/2020 3:24:05 PM



#44  
Isopropyl Acetate  
Concen: 5.030 ug/l  
RT: 8.12 min Scan# 1985  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Tgt Ion: 43 Resp: 37302  
Ion Ratio Lower Upper  
43 100  
61 19.5 18.7 28.1





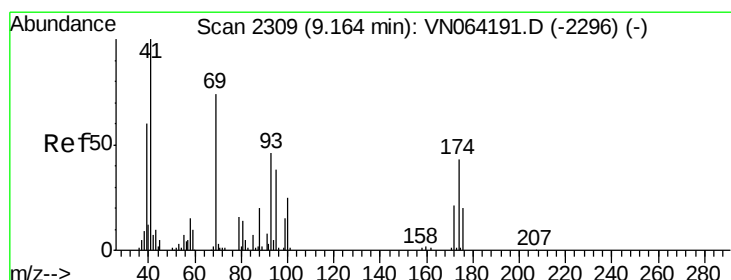
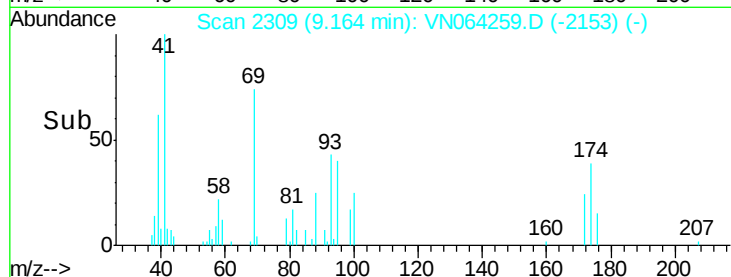
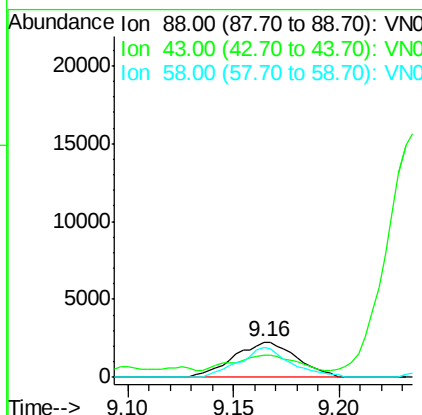
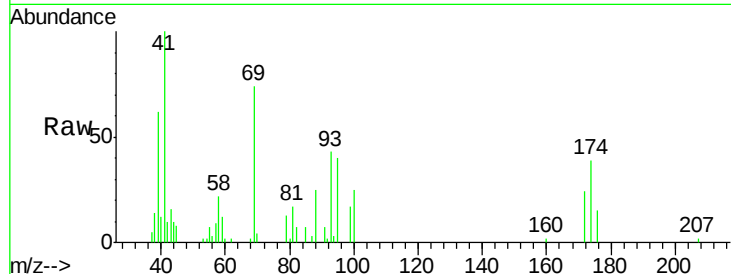
#45  
1,4-Dioxane  
Concen: 108.035 ug/l  
RT: 9.16 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

| Tot Ion | 88    | Resp  | 4686  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 44.1  | 37.0  | 55.4  |
| 58      | 70.6  | 62.4  | 93.6  |

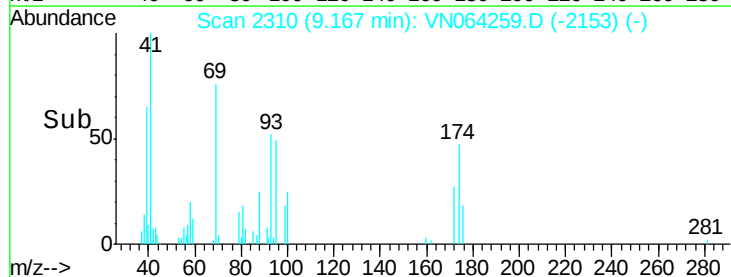
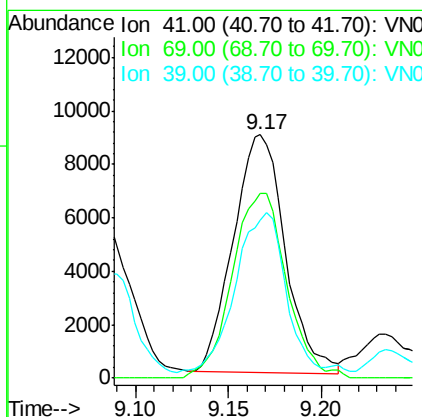
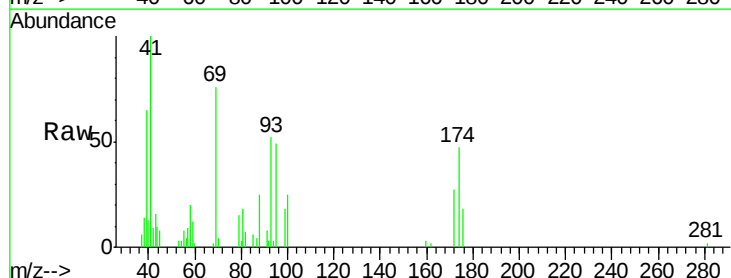
Manual Integrations  
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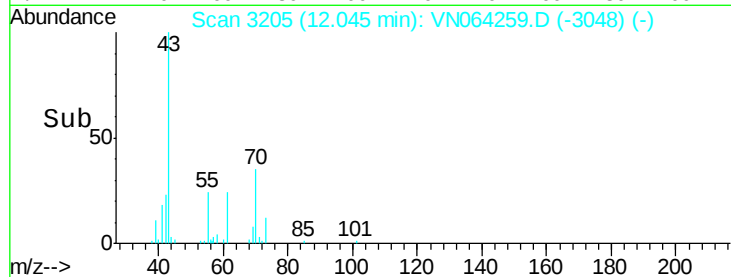
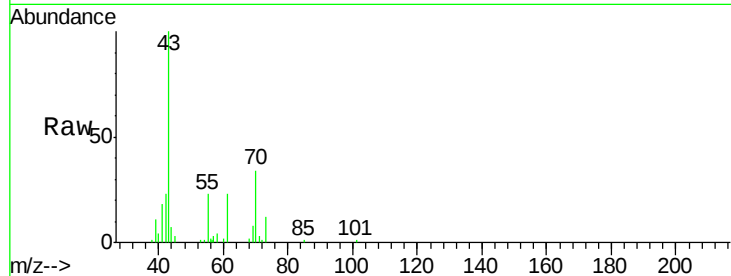
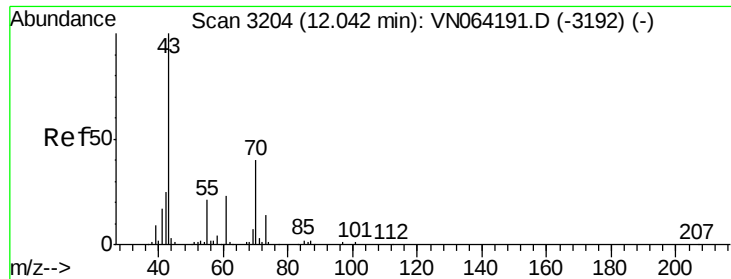
MMDadoda  
10/23/2020 3:24:05 PM



#46  
Methyl methacrylate  
Concen: 4.946 ug/l  
RT: 9.17 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

| Tgt Ion | 41    | Resp  | 17403 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 69      | 76.1  | 36.8  | 110.4 |
| 39      | 63.1  | 30.4  | 91.2  |





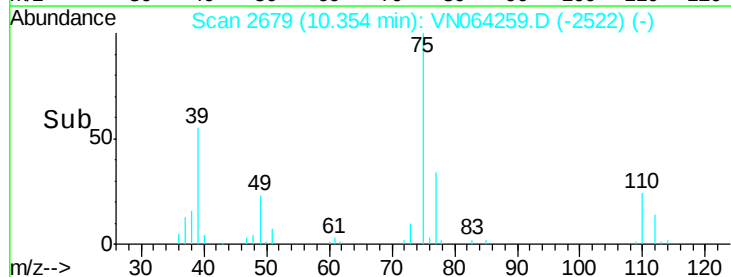
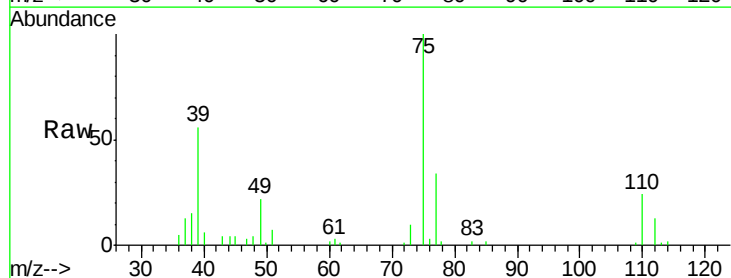
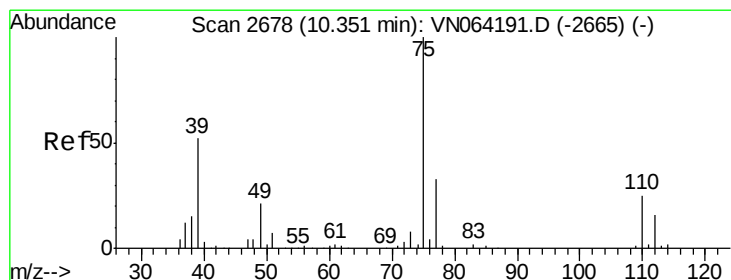
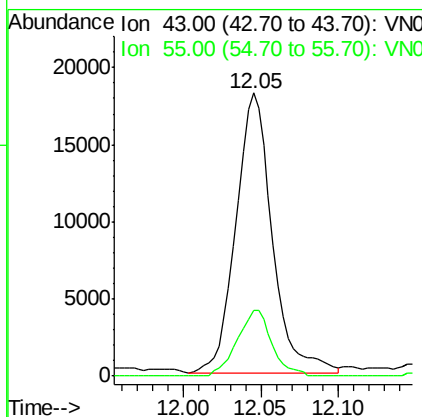
#47  
n-amvl Acetate  
Concen: 4.497 ug/l  
RT: 12.05 min Scan# 3205  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Tot Ion: 43 Resp: 29588  
Ion Ratio Lower Upper  
43 100  
55 22.6 17.6 26.4

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

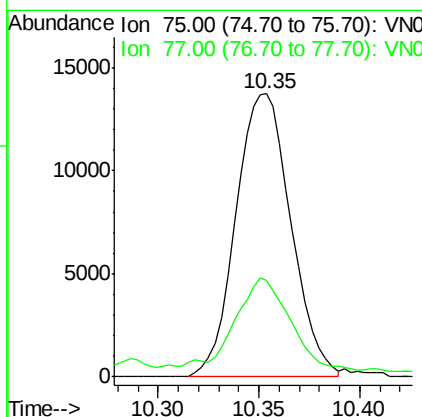
Manual Integrations  
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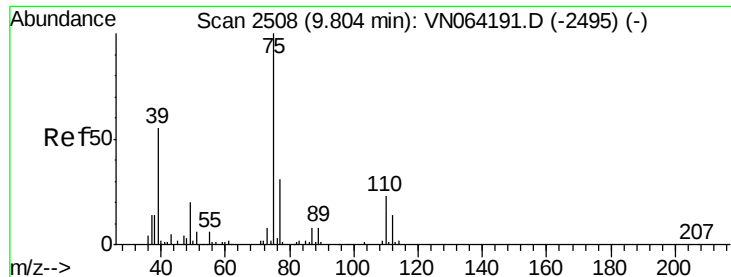
MMDadoda  
10/23/2020 3:24:05 PM



#48  
t-1,3-Dichloropropene  
Concen: 4.826 ug/l  
RT: 10.35 min Scan# 2679  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Tgt Ion: 75 Resp: 26123  
Ion Ratio Lower Upper  
75 100  
77 30.4 27.4 41.2





#49

cis-1,3-Dichloropropene

Concen: 4.582 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

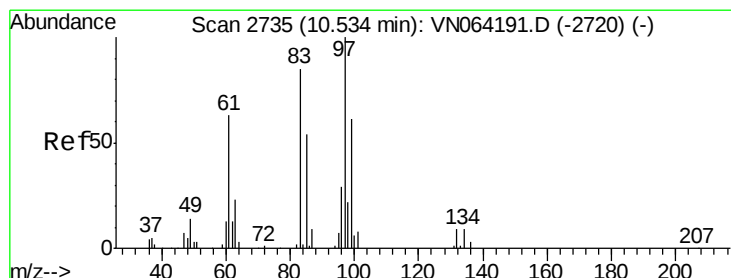
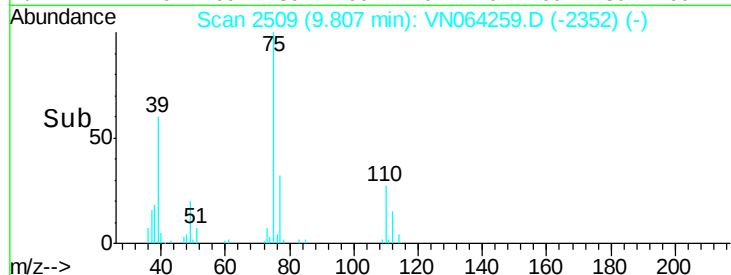
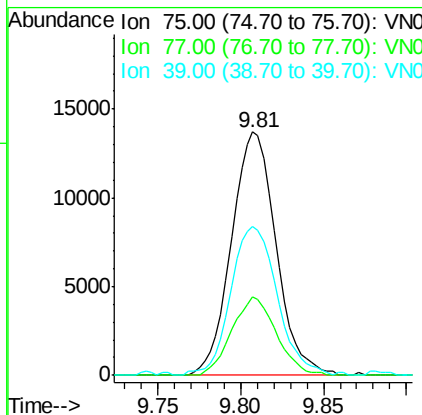
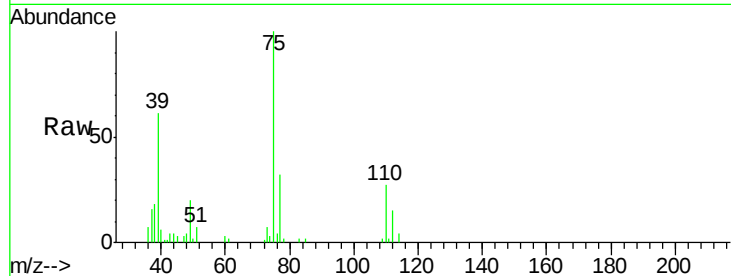
ClientSampleId :

LOQ-WATER-02-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 25629 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.2  | 24.5  | 36.7  |
| 39       | 59.7  | 43.8  | 65.8  |

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#50

1,1,2-Trichloroethane

Concen: 4.872 ug/l

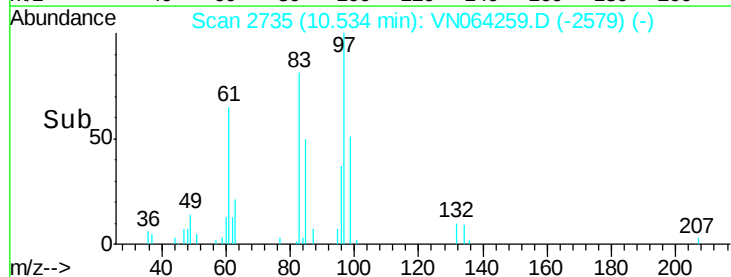
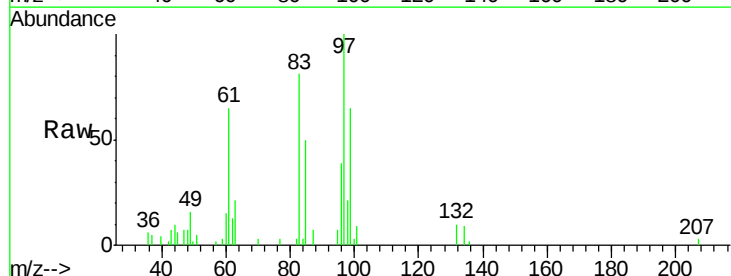
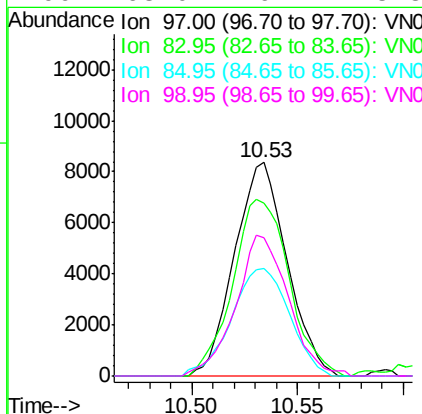
RT: 10.53 min Scan# 2735

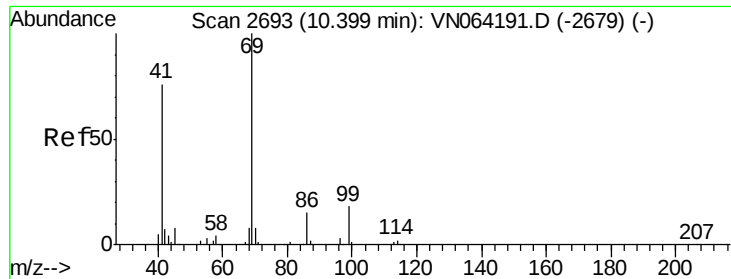
Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 14474 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 81.0  | 67.7  | 101.5 |
| 85       | 50.1  | 43.2  | 64.8  |
| 99       | 63.0  | 49.2  | 73.8  |





#51

Ethyl methacrylate

Concen: 4.531 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

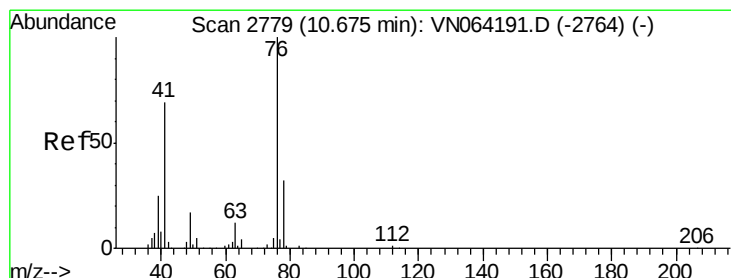
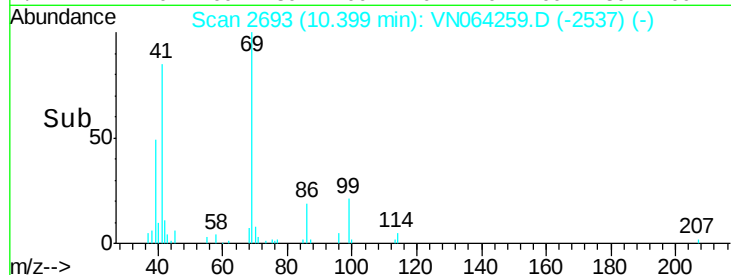
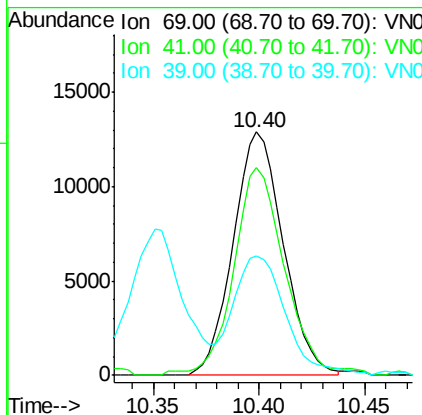
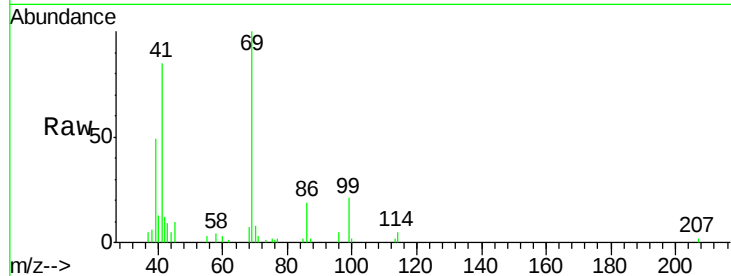
ClientSampleId :

LOQ-WATER-02-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 69    | Resp: | 21289 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 83.4  | 38.0  | 114.1 |
| 39       | 46.1  | 21.4  | 64.3  |

Manual Integrations  
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#52

1,3-Dichloropropane

Concen: 5.132 ug/l

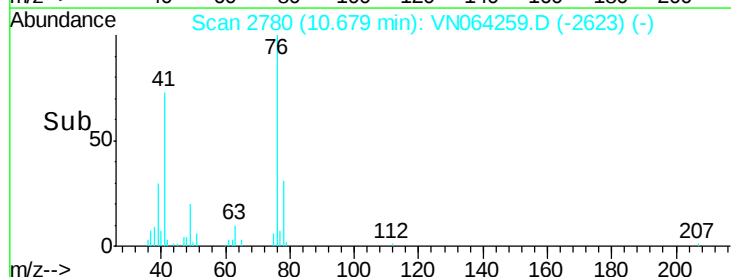
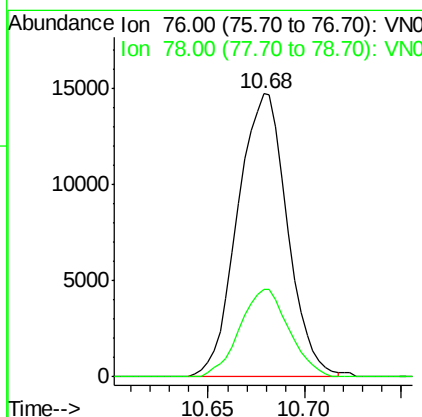
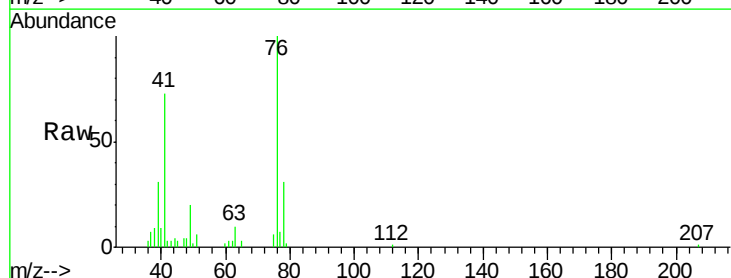
RT: 10.68 min Scan# 2780

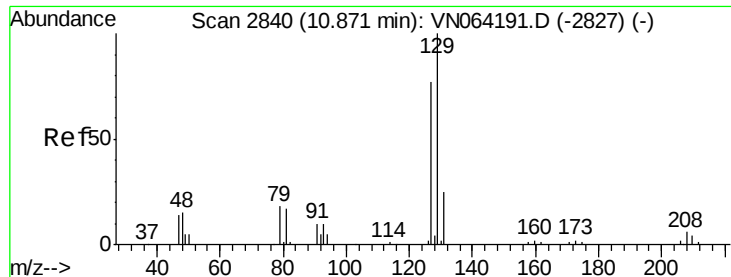
Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 76    | Resp: | 26288 |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 78       | 30.6  | 0.0   | 64.4  |





#53

Dibromochloromethane

Concen: 4.594 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:129 Resp: 17180

Ion Ratio Lower Upper

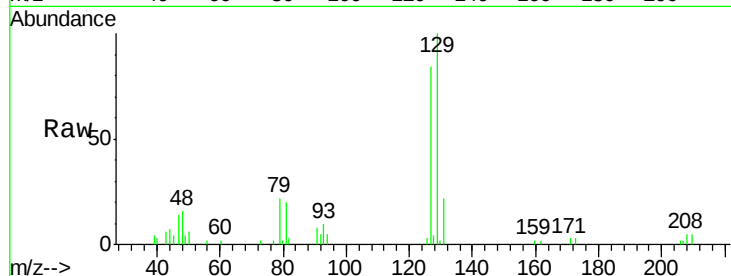
129 100

127 77.1 39.0 117.0

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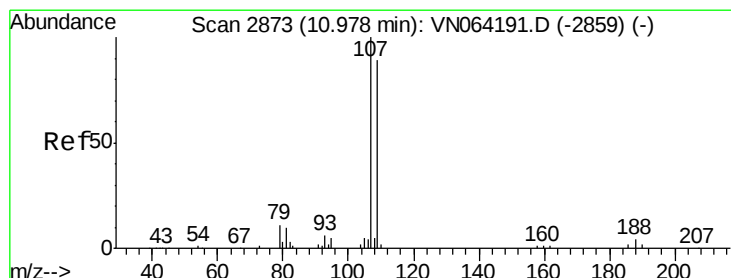
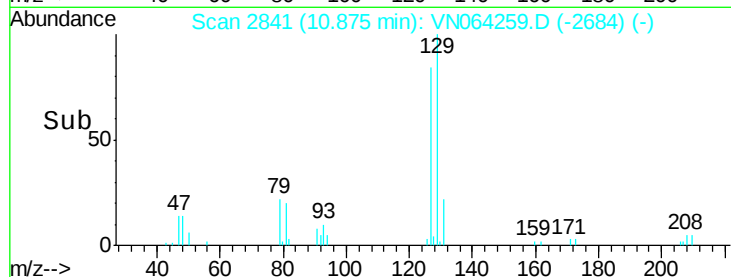
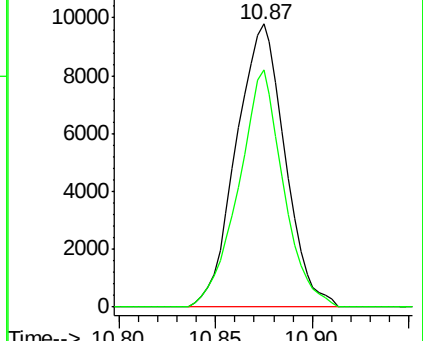
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.768 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064259.D

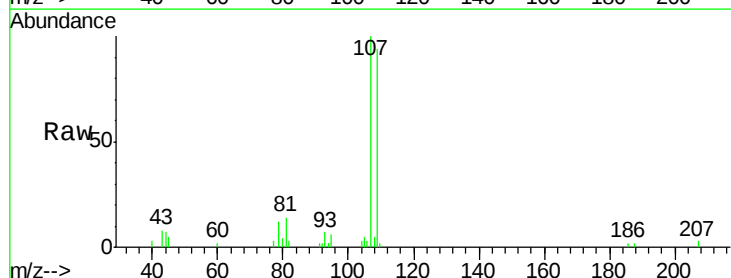
Acq: 22 Oct 2020 18:54

Tgt Ion:107 Resp: 15058

Ion Ratio Lower Upper

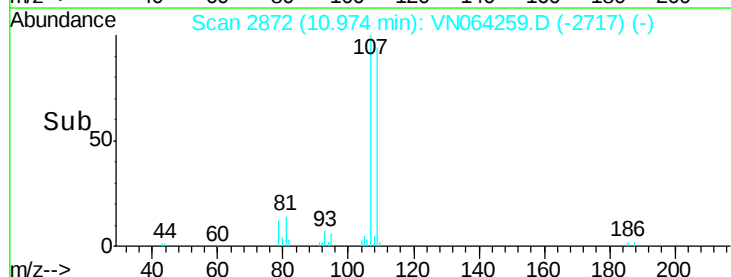
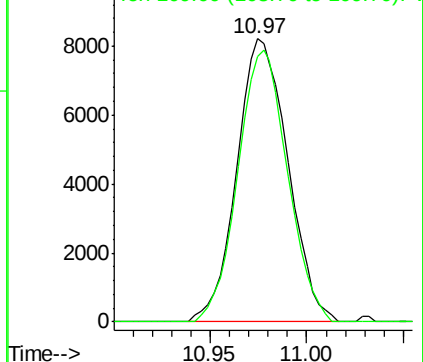
107 100

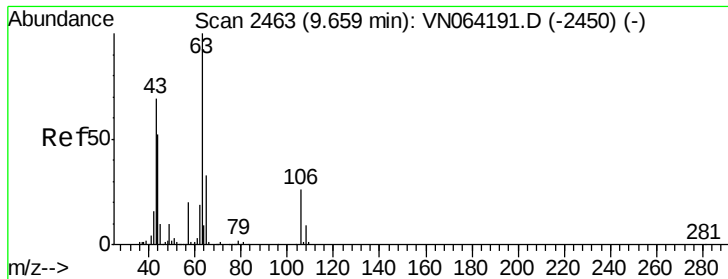
109 93.4 71.8 107.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 24.267 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

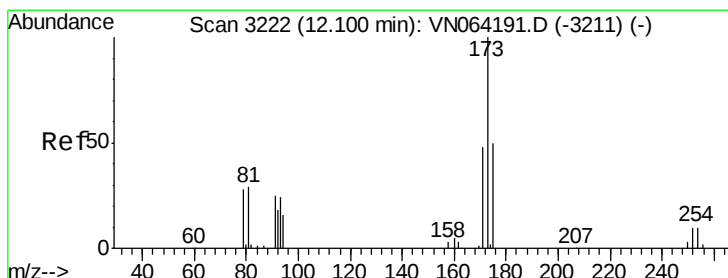
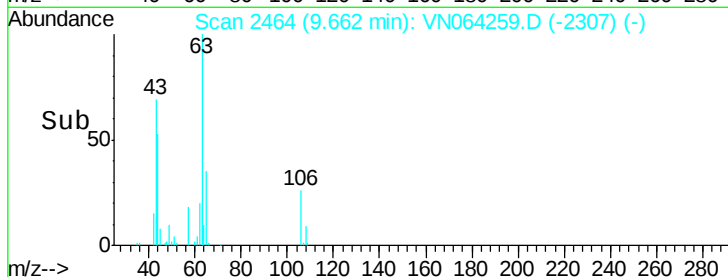
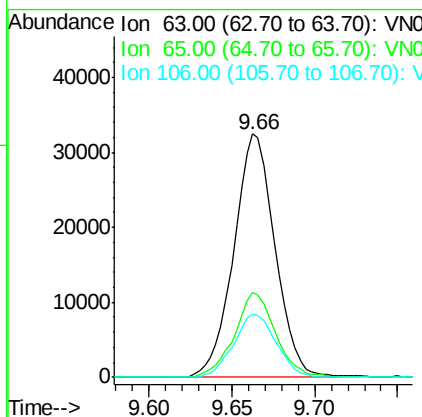
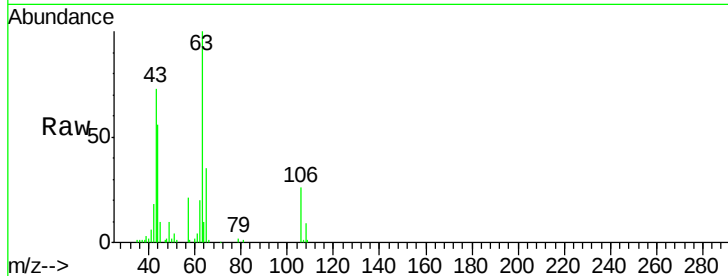
ClientSampleId :

LOQ-WATER-02-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 63    | Resp: | 56034 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 34.5  | 25.9  | 38.9  |
| 106      | 26.6  | 21.4  | 32.2  |

Manual Integrations  
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#56

Bromoform

Concen: 4.333 ug/l

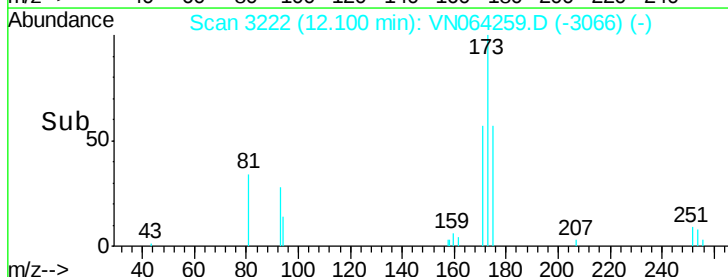
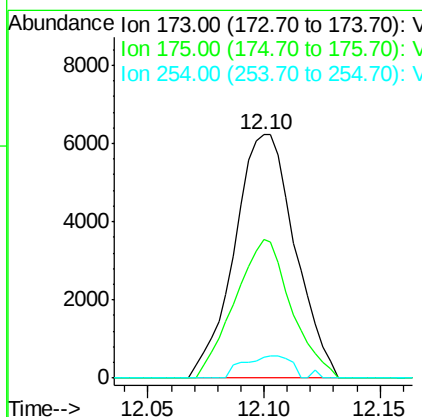
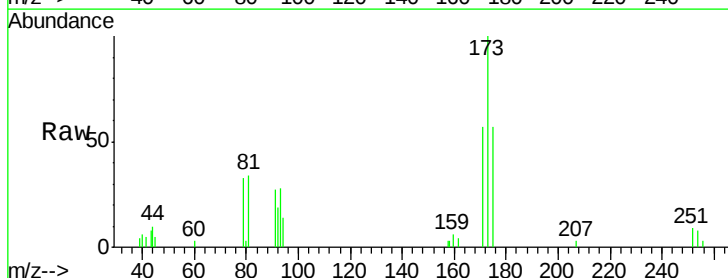
RT: 12.10 min Scan# 3222

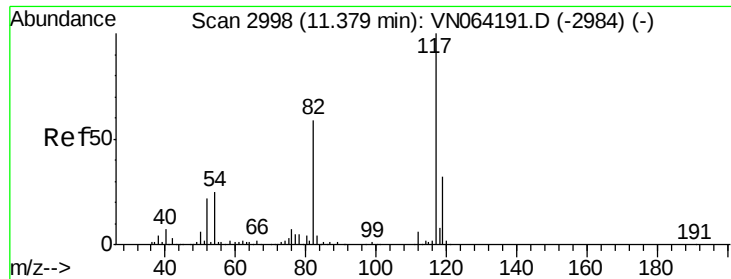
Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 11284 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 53.0  | 39.0  | 58.4  |
| 254      | 7.1   | 6.8   | 10.2  |





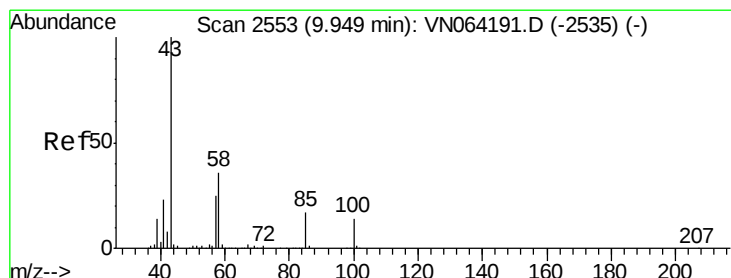
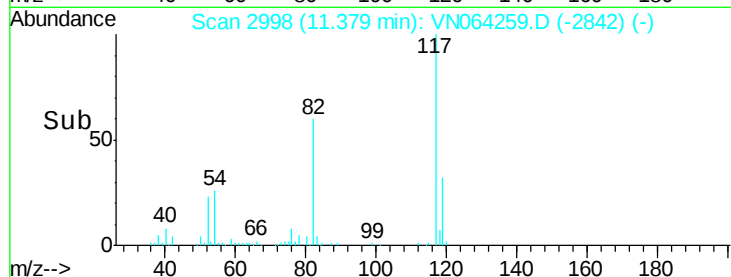
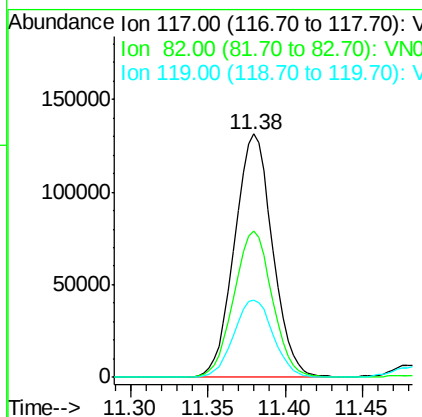
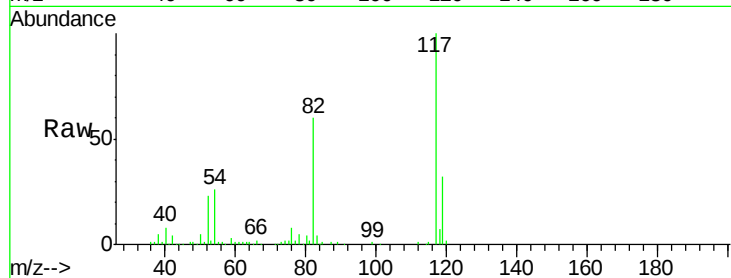
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 224632 |       |       |
| 82      | 61.1  |        | 47.8  | 71.8  |
| 119     | 33.0  |        | 25.7  | 38.5  |

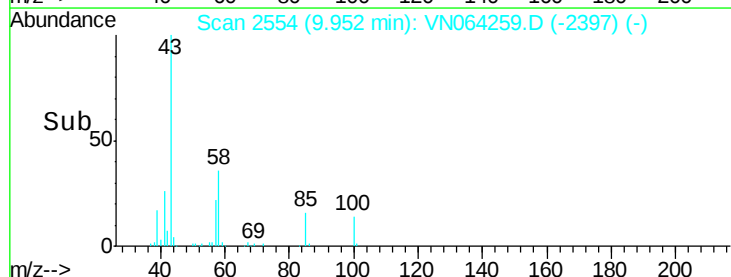
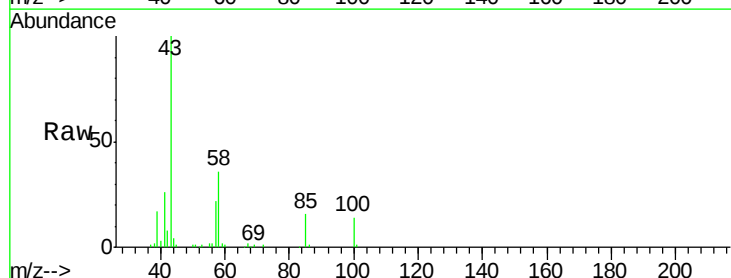
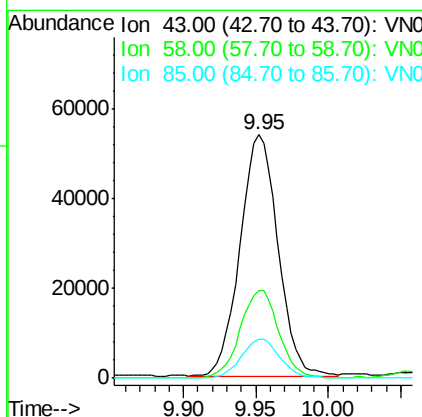
Manual Integrations  
APPROVED

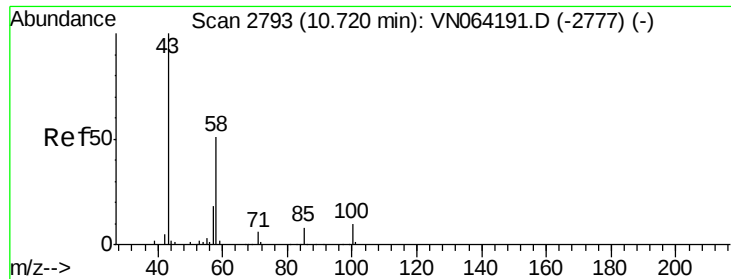
MMDadoda  
10/23/2020 3:24:05 PM



#58  
4-Methyl-2-Pentanone  
Concen: 25.592 ug/l  
RT: 9.95 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 43      | 100   | 97416 |       |       |
| 58      | 37.0  |       | 29.5  | 44.3  |
| 85      | 16.6  |       | 13.7  | 20.5  |





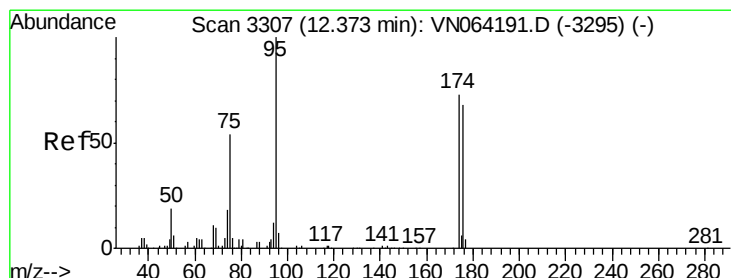
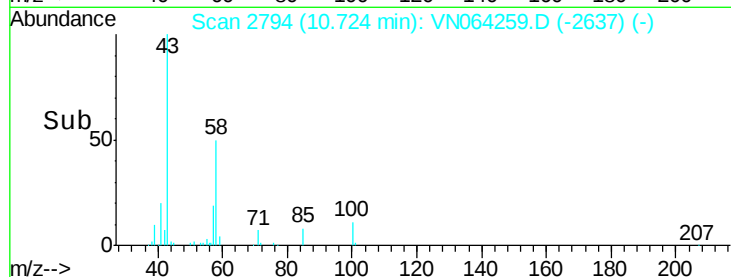
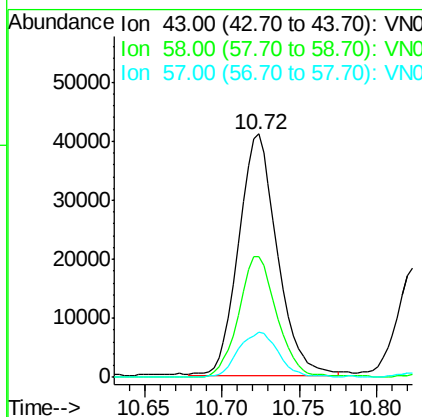
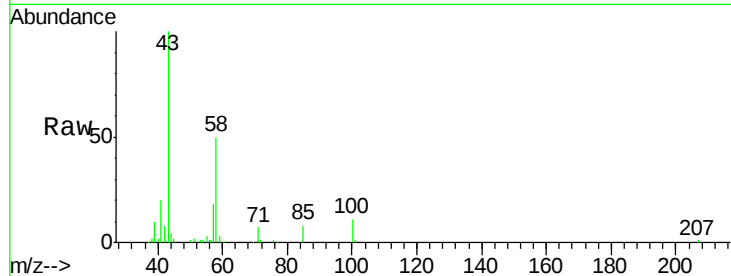
#59  
2-Hexanone  
Concen: 25.030 ug/l  
RT: 10.72 min Scan# 2794  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 49.6  | 40.2  | 60.4  |
| 57      | 19.3  | 14.8  | 22.2  |

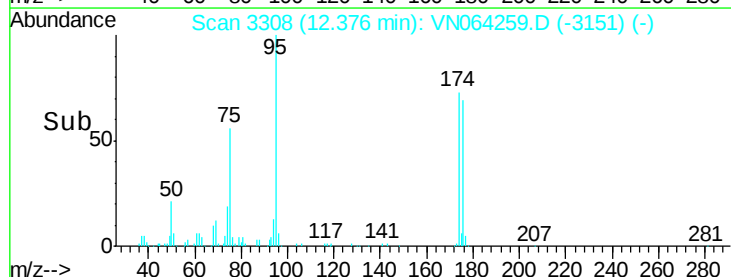
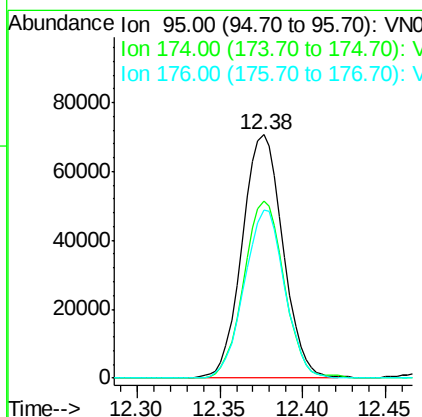
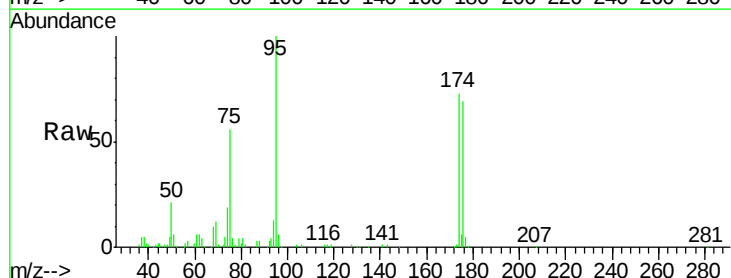
Manual Integrations  
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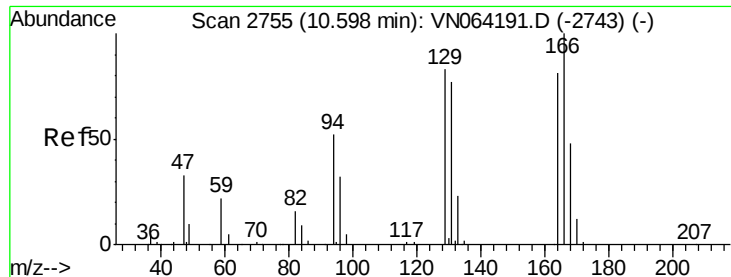
MMDadoda  
10/23/2020 3:24:05 PM



#60  
4-Bromofluorobenzene  
Concen: 30.018 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 72.0  | 57.6  | 86.4  |
| 176     | 68.4  | 54.9  | 82.3  |





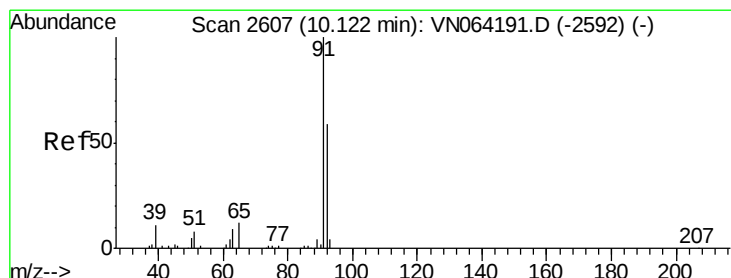
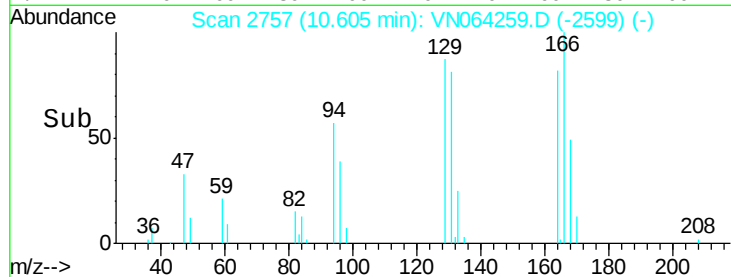
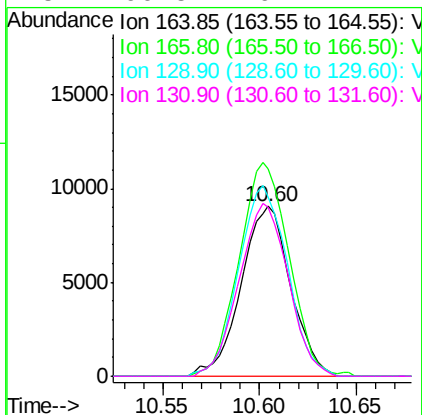
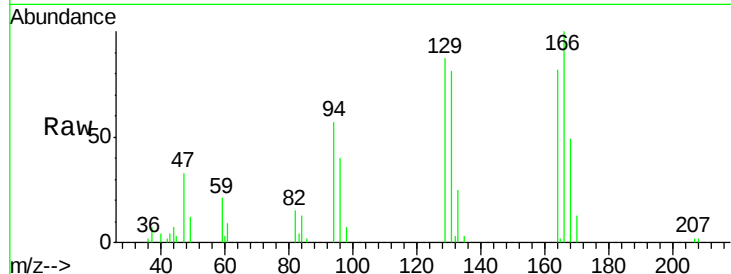
#61  
Tetrachloroethene  
Concen: 5.311 ug/l  
RT: 10.60 min Scan# 2757  
Delta R.T. 0.01 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 122.1 | 99.2  | 148.8 |
| 129     | 106.0 | 82.8  | 124.2 |
| 131     | 99.5  | 76.2  | 114.4 |

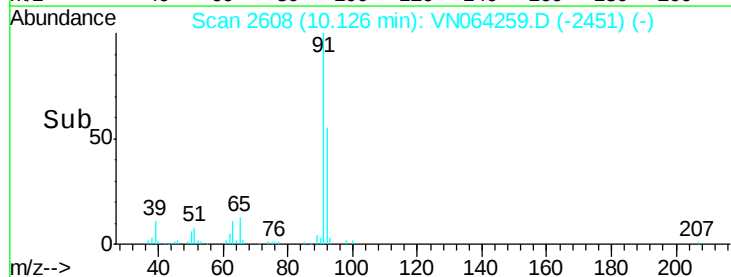
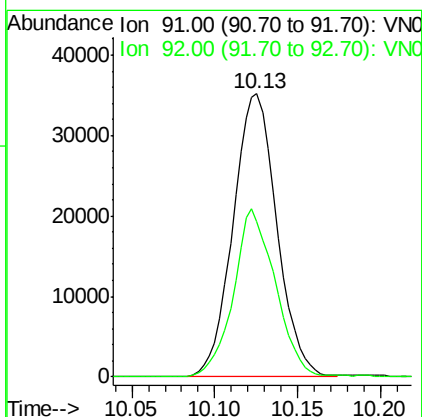
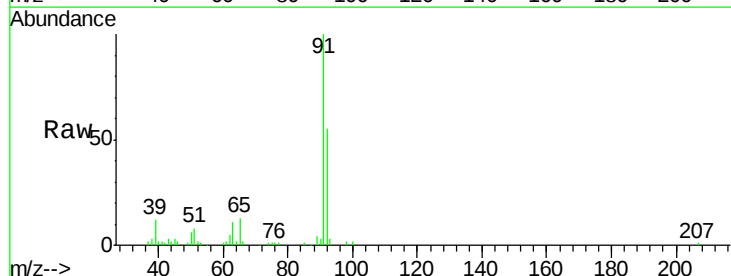
Manual Integrations  
APPROVED

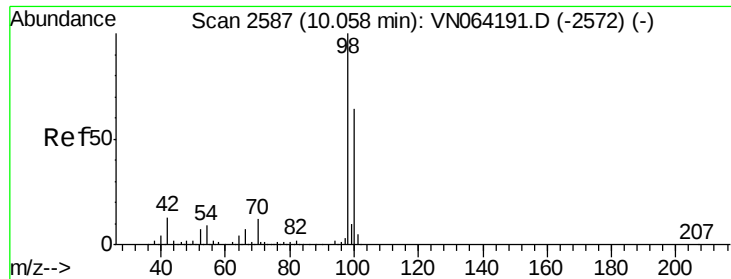
MMDadoda  
10/23/2020 3:24:05 PM



#62  
Toluene  
Concen: 5.030 ug/l  
RT: 10.13 min Scan# 2608  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 56.5  | 46.8  | 70.2  |





#63

Toluene-d8

Concen: 30.678 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 98 Resp: 311995

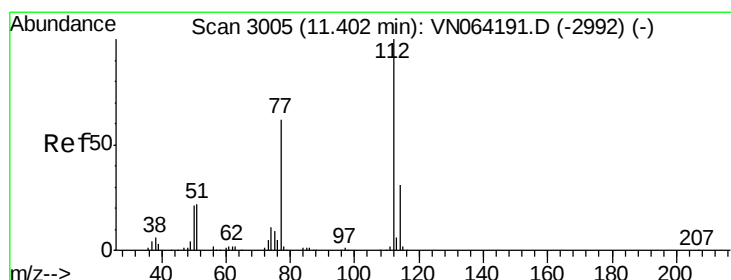
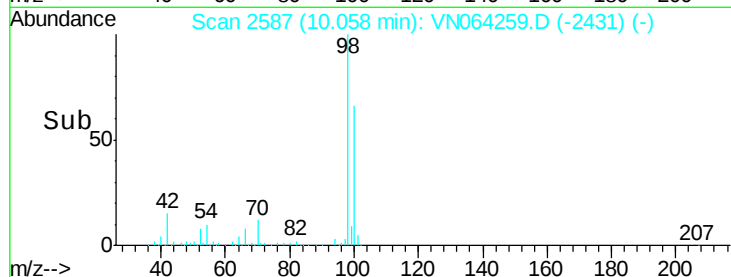
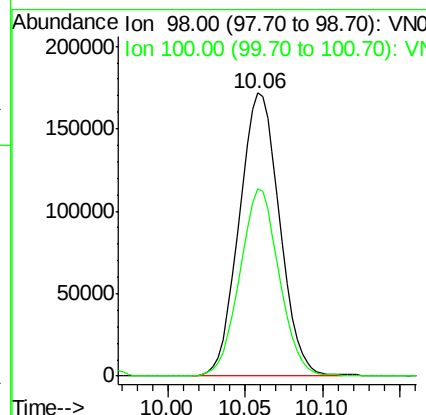
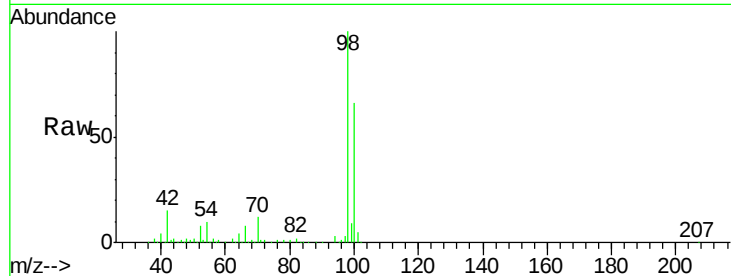
Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.2

Manual Integrations  
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#64

Chlorobenzene

Concen: 4.994 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064259.D

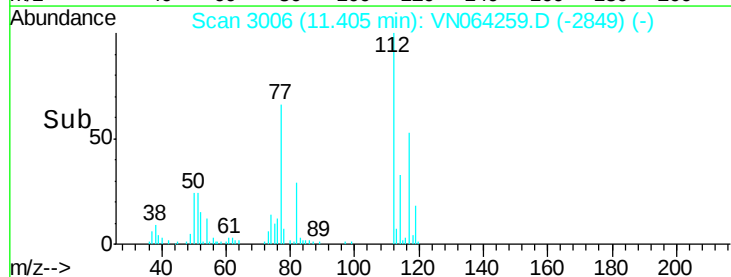
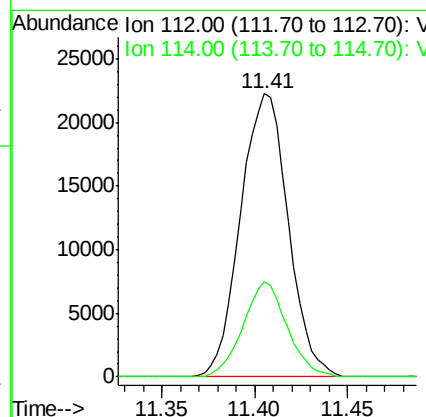
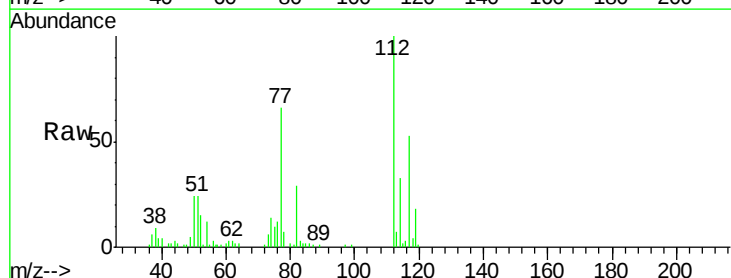
Acq: 22 Oct 2020 18:54

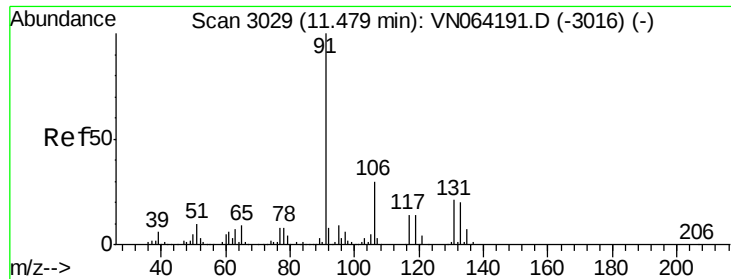
Tgt Ion: 112 Resp: 39937

Ion Ratio Lower Upper

112 100

114 33.5 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 5.156 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

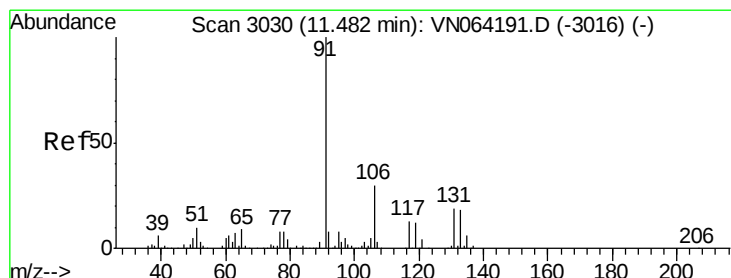
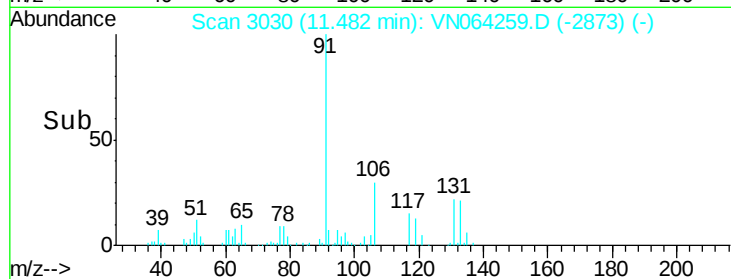
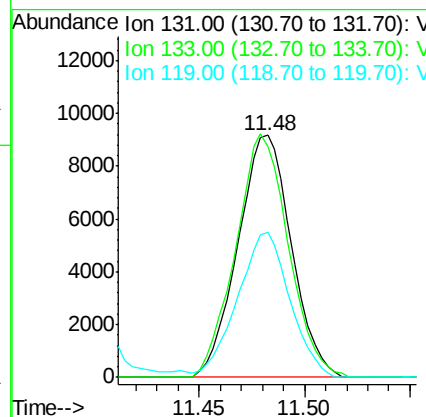
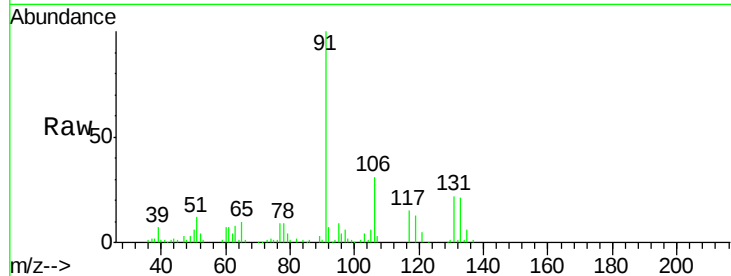
ClientSampleId :

LOQ-WATER-02-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 131   | Resp: | 16156 |
| Ion      | Ratio | Lower | Upper |
| 131      | 100   |       |       |
| 133      | 99.0  | 0.0   | 193.0 |
| 119      | 58.7  | 0.0   | 132.2 |

Manual Integrations  
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#66

Ethyl Benzene

Concen: 4.840 ug/l

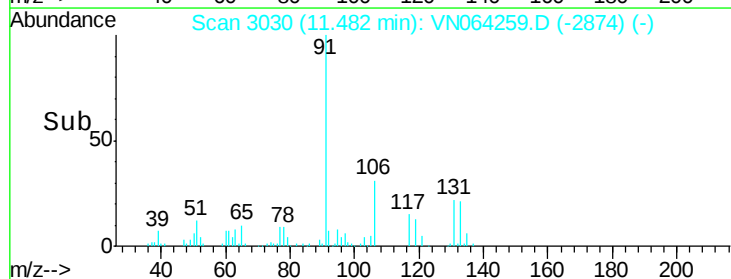
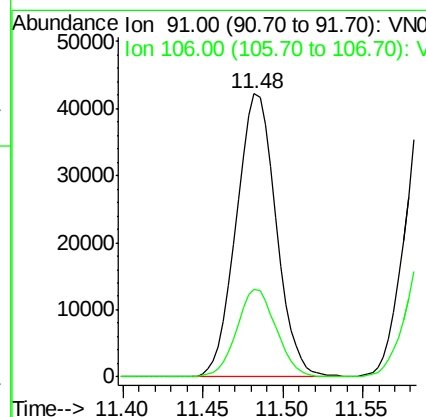
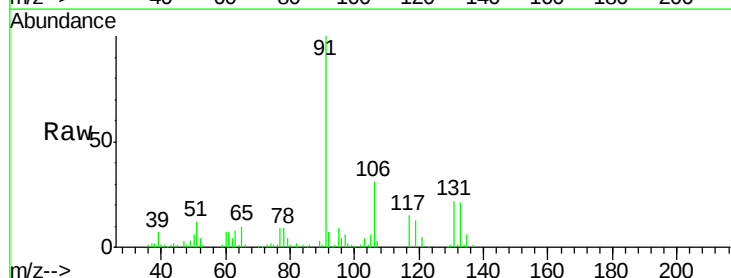
RT: 11.48 min Scan# 3030

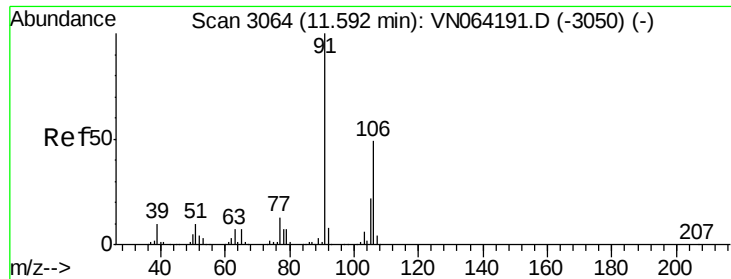
Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 71460 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 106      | 30.9  | 23.9  | 35.9  |





#67

m/p-Xylenes

Concen: 9.667 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:106 Resp: 53081

Ion Ratio Lower Upper

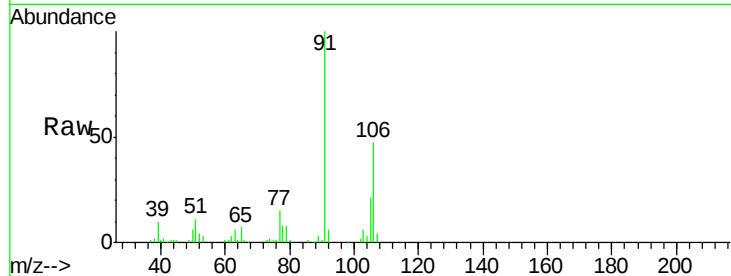
106 100

91 211.0 167.9 251.9

Manual Integrations  
APPROVED

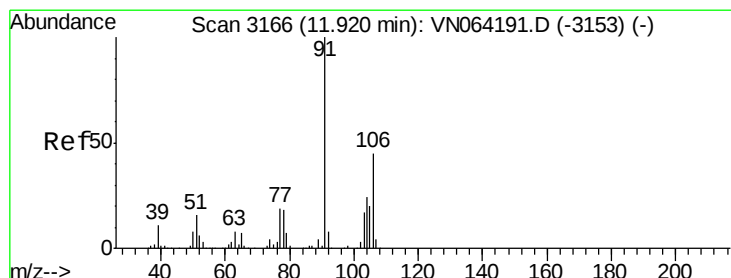
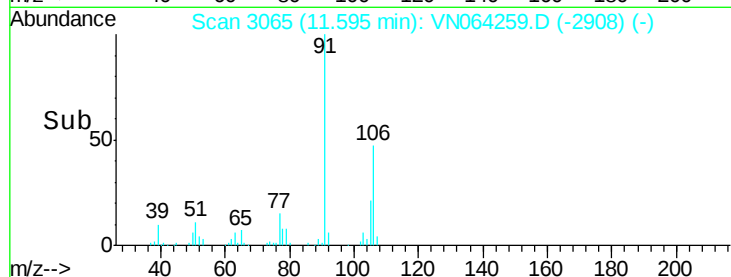
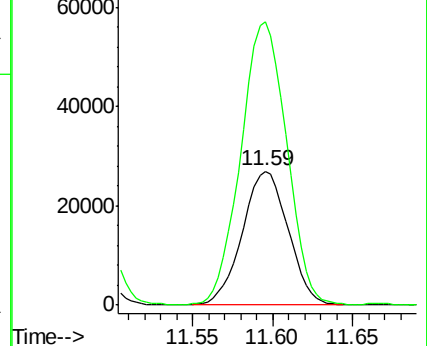
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 4.904 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN064259.D

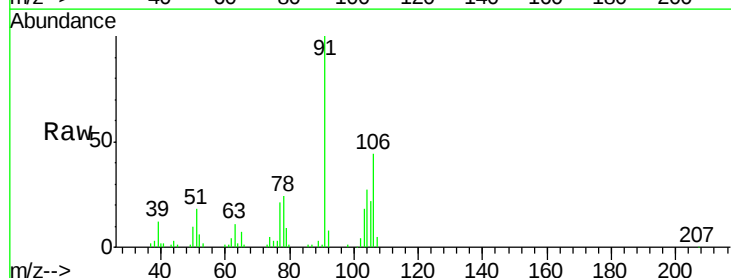
Acq: 22 Oct 2020 18:54

Tgt Ion:106 Resp: 26131

Ion Ratio Lower Upper

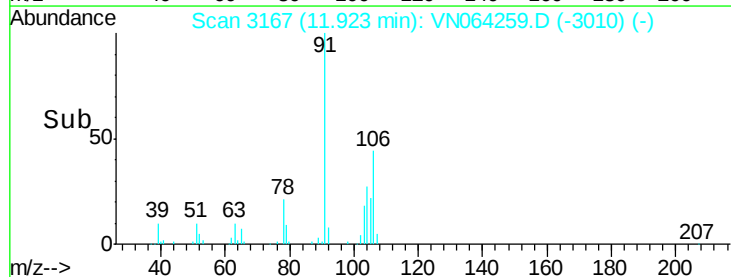
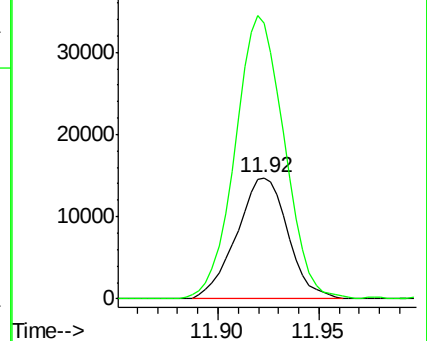
106 100

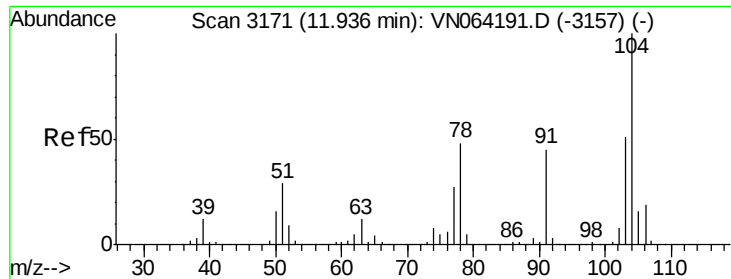
91 224.1 113.9 341.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





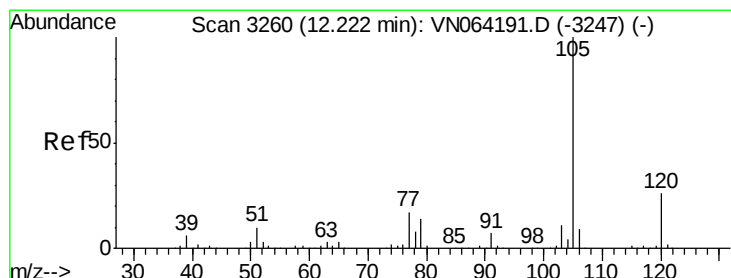
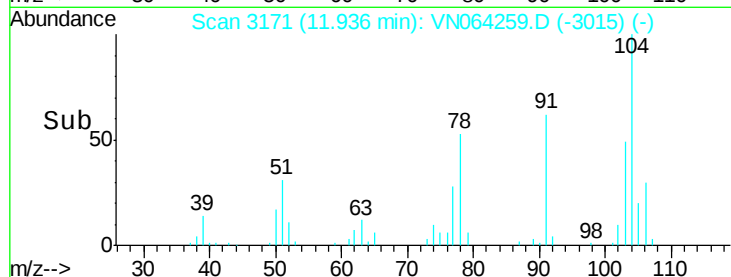
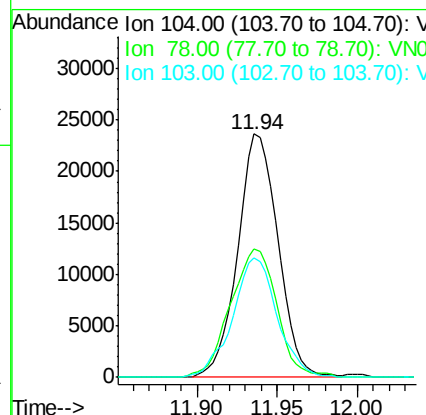
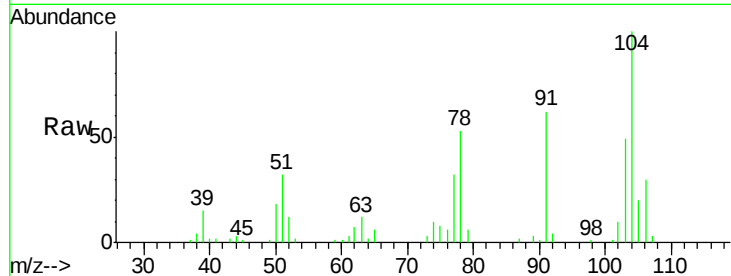
#69  
Stvrene  
Concen: 4.507 ug/l  
RT: 11.94 min Scan# 3171  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

Tot Ion:104 Resp: 40627  
Ion Ratio Lower Upper  
104 100  
78 60.4 43.6 65.4  
103 54.1 44.8 67.2

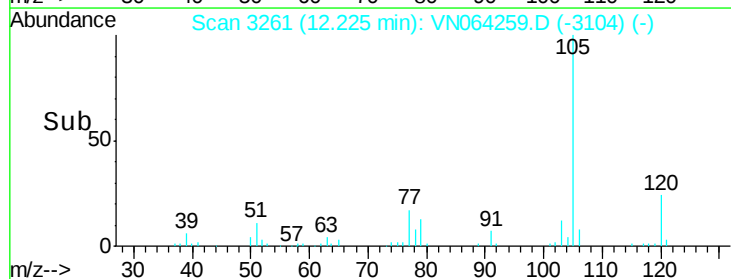
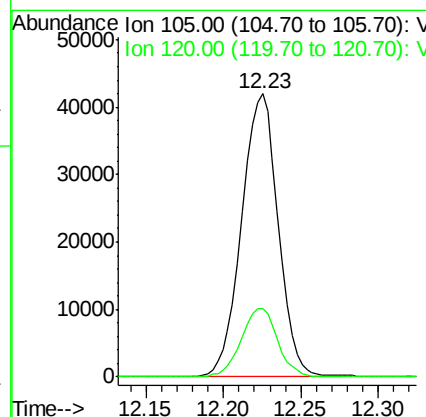
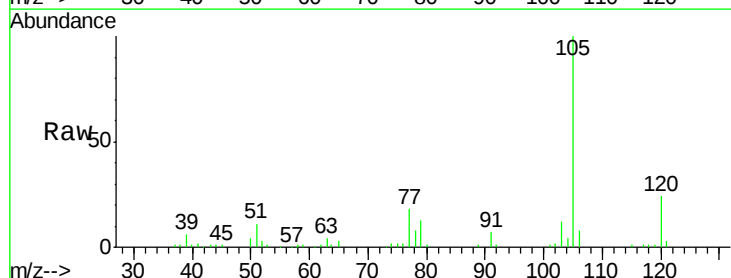
Manual Integrations  
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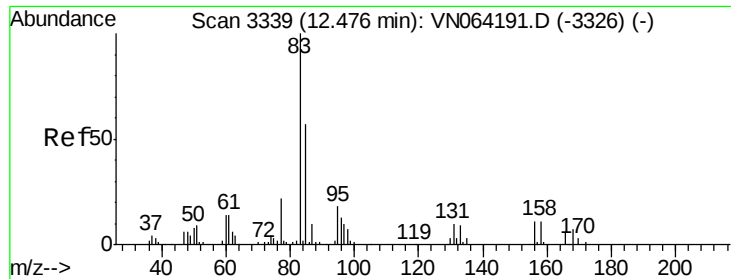
MMDadoda  
10/23/2020 3:24:05 PM



#70  
Isopropylbenzene  
Concen: 4.919 ug/l  
RT: 12.23 min Scan# 3261  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Tgt Ion:105 Resp: 69229  
Ion Ratio Lower Upper  
105 100  
120 23.9 18.1 33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 5.012 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

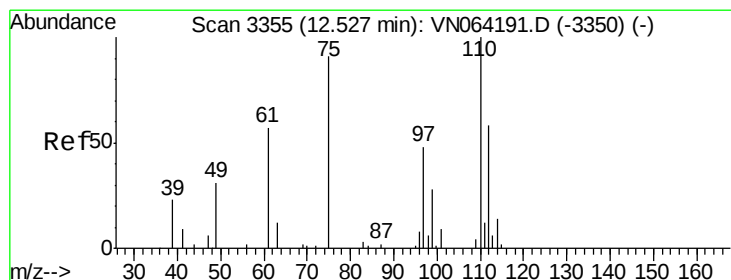
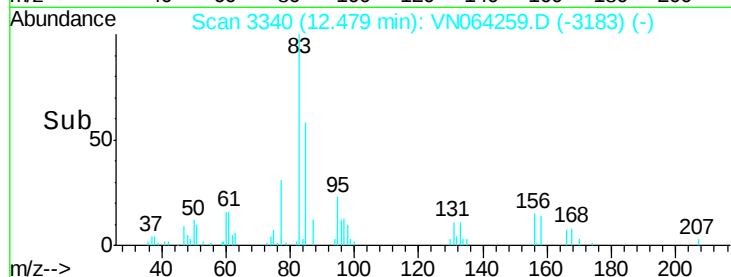
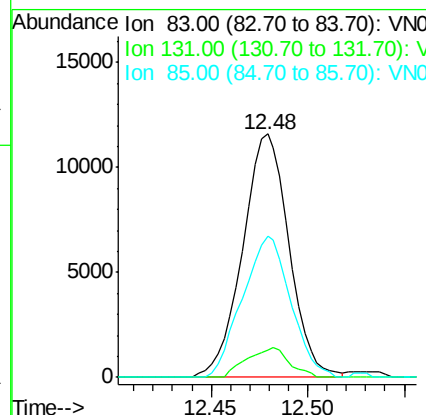
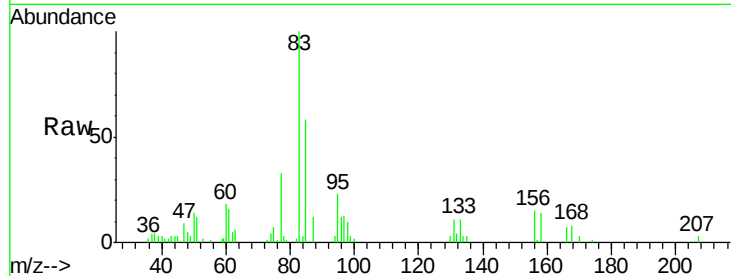
ClientSampleId :

LOQ-WATER-02-QT4-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 19329 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.2  | 5.5   | 16.4  |
| 85        | 60.2  | 30.8  | 92.4  |

Manual Integrations  
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#72

1,2,3-Trichloropropane

Concen: 4.767 ug/l m

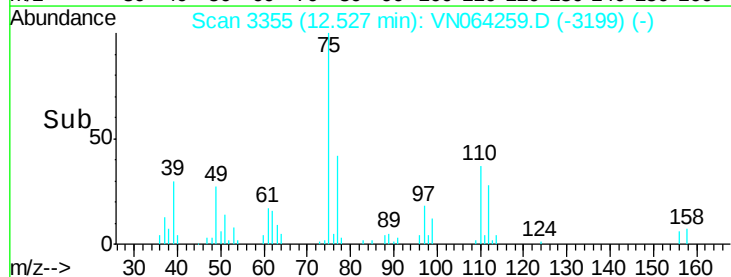
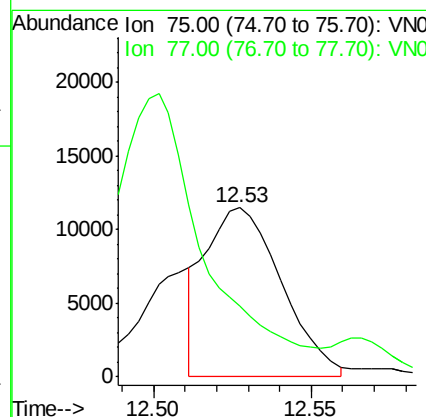
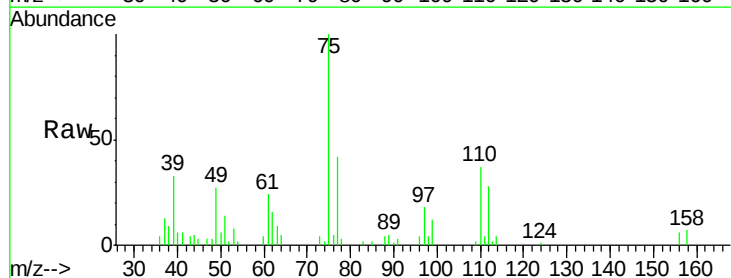
RT: 12.53 min Scan# 3355

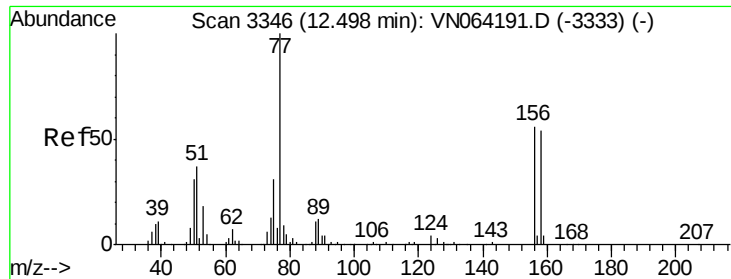
Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 19185 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 207.1 | 0.0   | 417.6 |





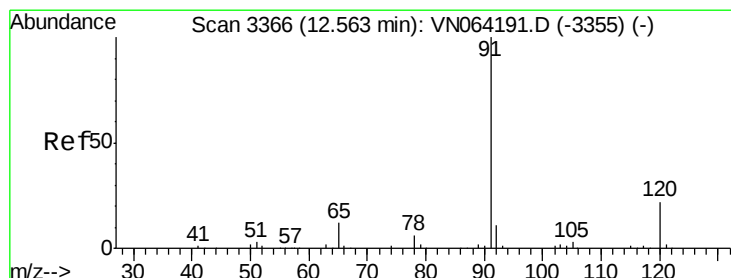
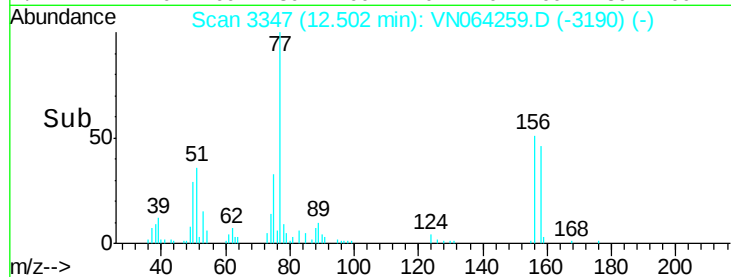
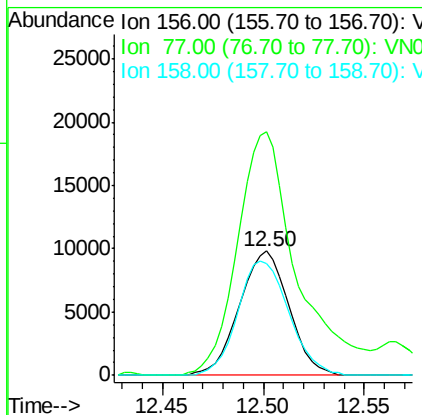
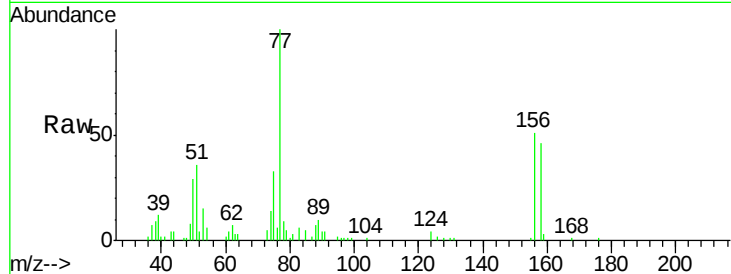
#73  
Bromobenzene  
Concen: 4.983 ug/l  
RT: 12.50 min Scan# 3347  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 235.0 | 0.0   | 429.8 |
| 158     | 95.2  | 0.0   | 190.6 |

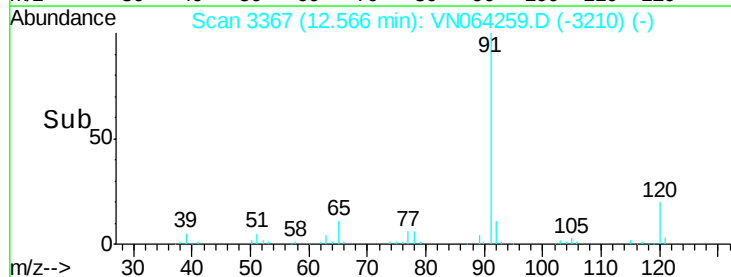
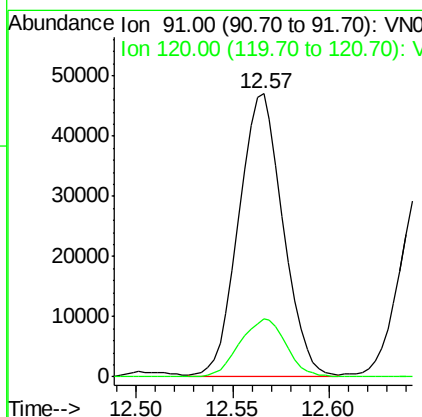
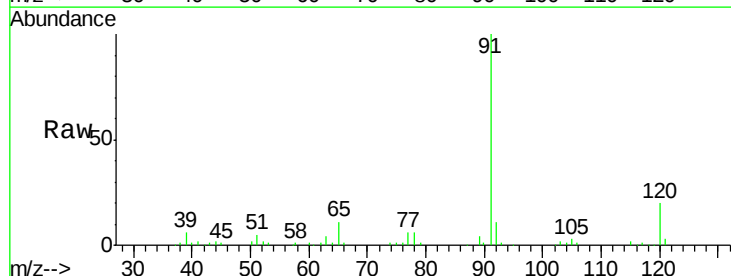
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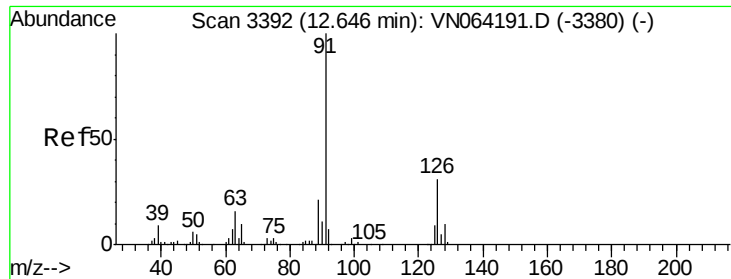
MMDadoda  
10/23/2020 3:24:05 PM



#74  
n-propylbenzene  
Concen: 4.682 ug/l  
RT: 12.57 min Scan# 3367  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 21.3  | 0.0   | 43.8  |





#75

2-Chlorotoluene

Concen: 5.200 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 51706

Ion Ratio Lower Upper

91 100

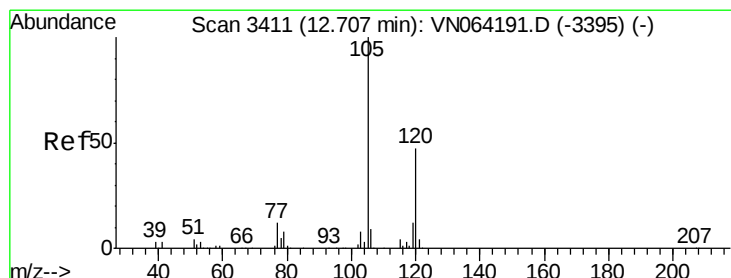
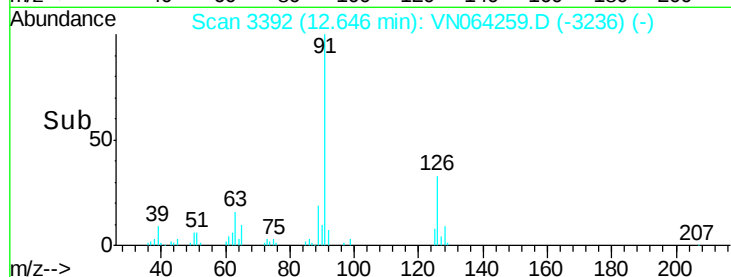
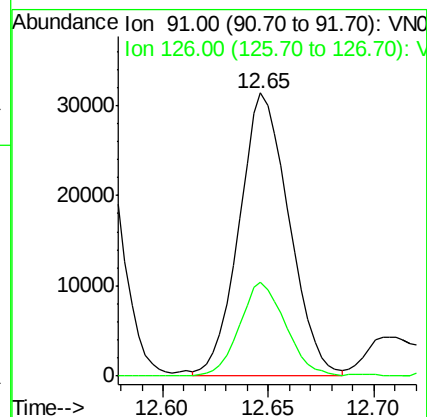
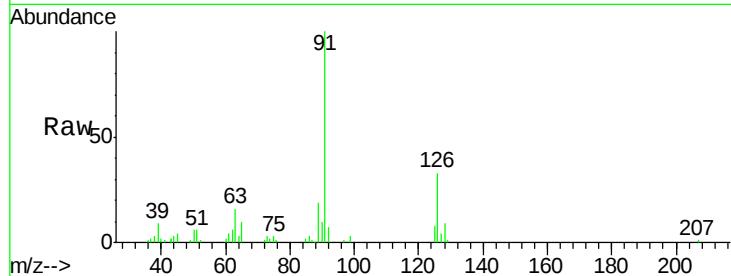
126 30.5 0.0 62.4

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#76

1,3,5-Trimethylbenzene

Concen: 4.709 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064259.D

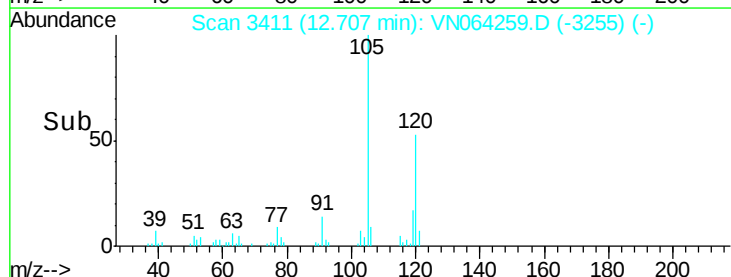
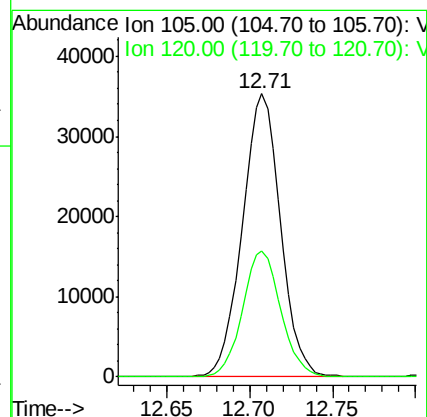
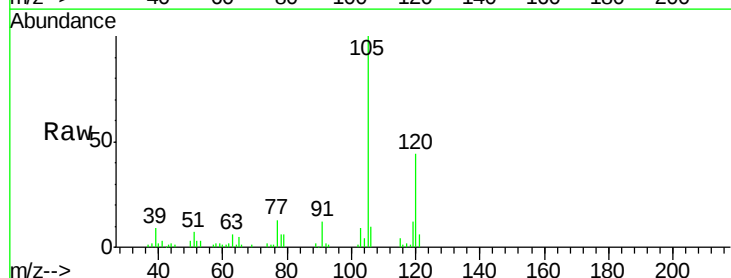
Acq: 22 Oct 2020 18:54

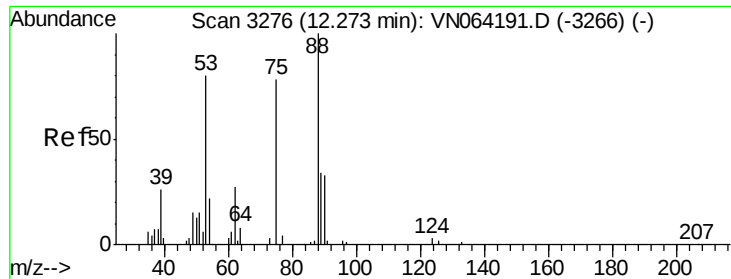
Tgt Ion: 105 Resp: 56392

Ion Ratio Lower Upper

105 100

120 44.5 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 4.712 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

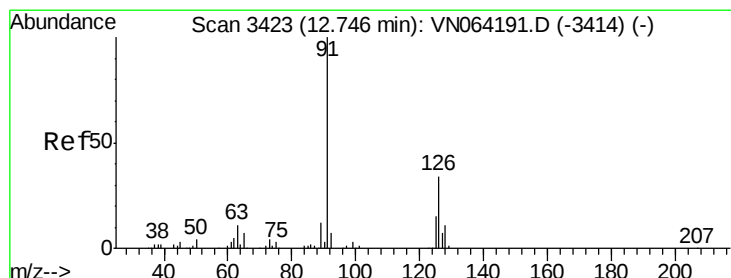
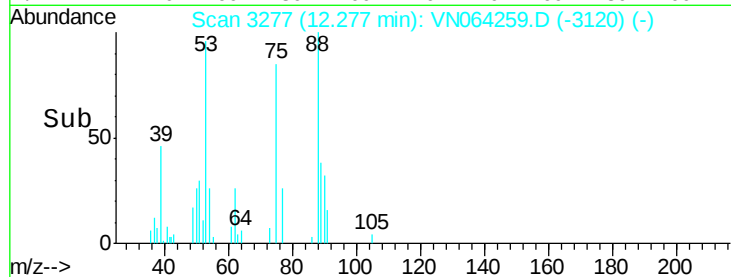
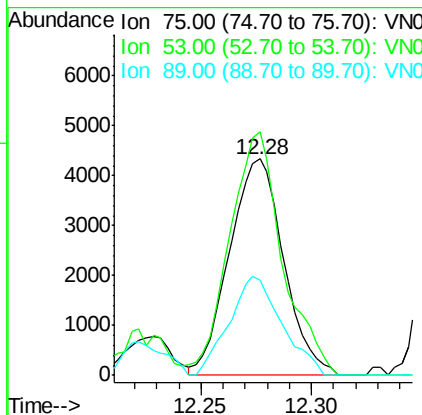
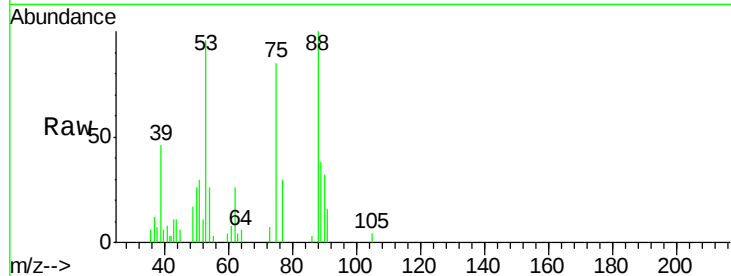
ClientSampleId :

LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 112.5 | 51.4  | 154.2 |
| 89      | 43.9  | 23.8  | 71.5  |

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#78

4-Chlorotoluene

Concen: 4.636 ug/l

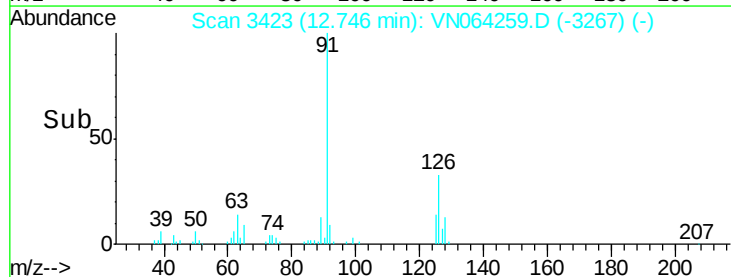
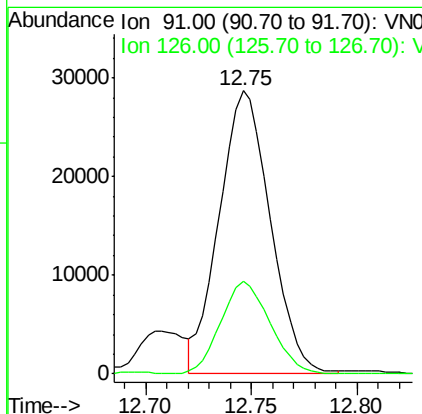
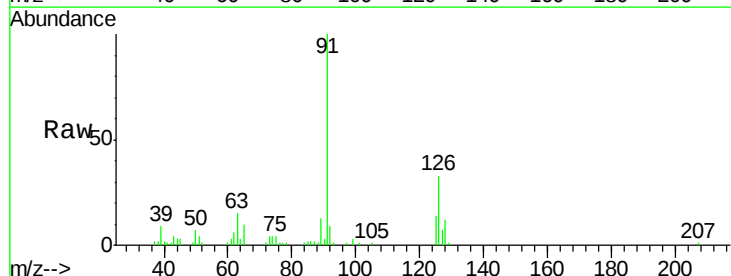
RT: 12.75 min Scan# 3423

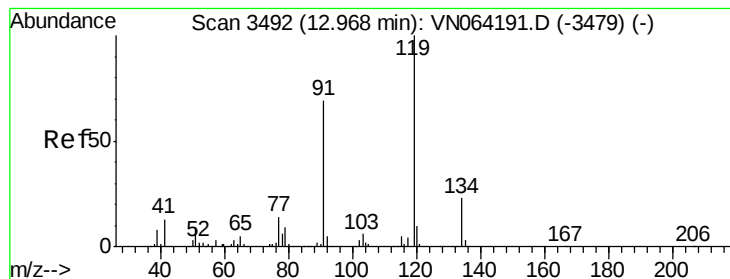
Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.5  | 0.0   | 63.2  |





#79

tert-butylbenzene

Concen: 4.847 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA\_N

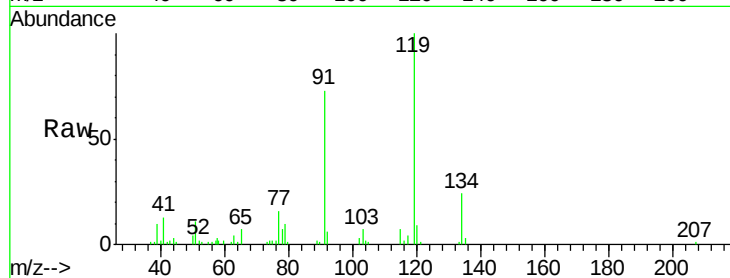
ClientSampleId :

LOQ-WATER-02-QT4-2020

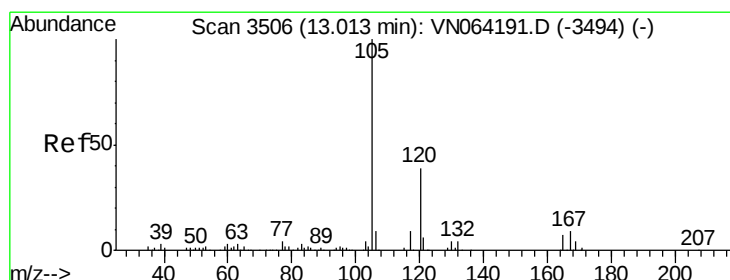
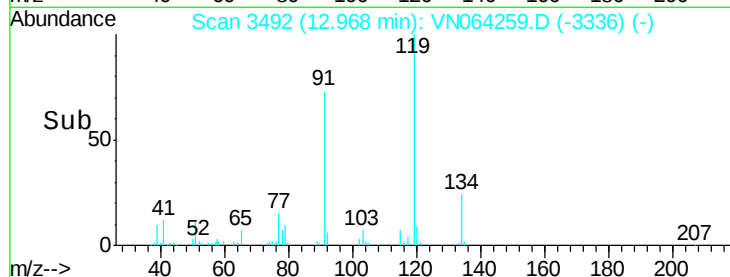
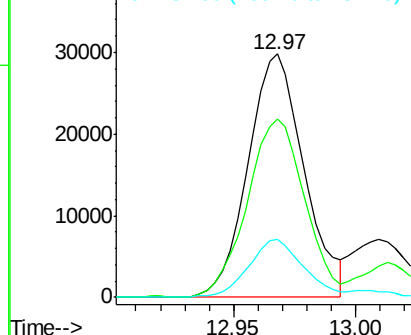
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 119   | Resp: | 47449 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 75.0  | 0.0   | 143.2 |
| 134       | 23.5  | 0.0   | 49.2  |

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



#80

1,2,4-Trimethylbenzene

Concen: 4.582 ug/l

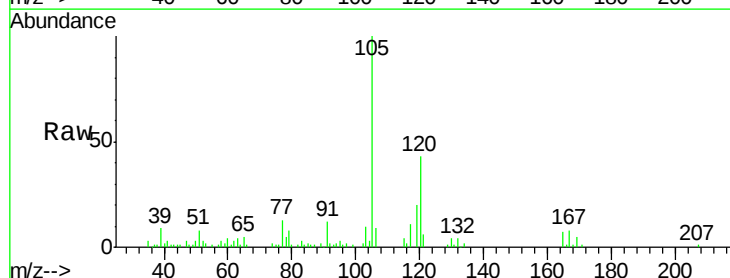
RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

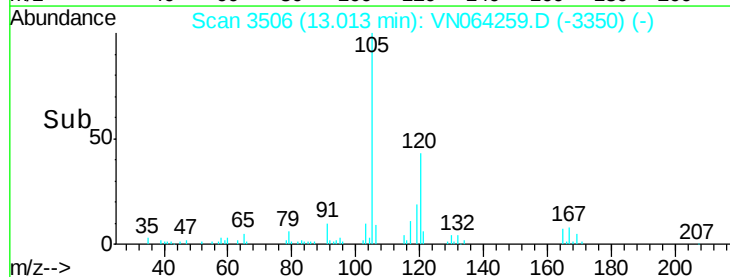
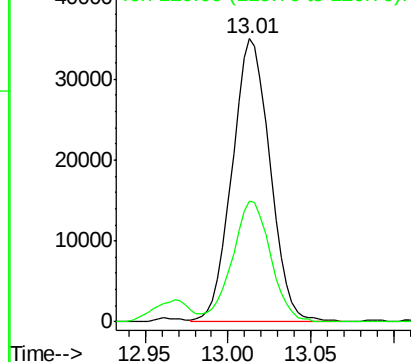
Lab File: VN064259.D

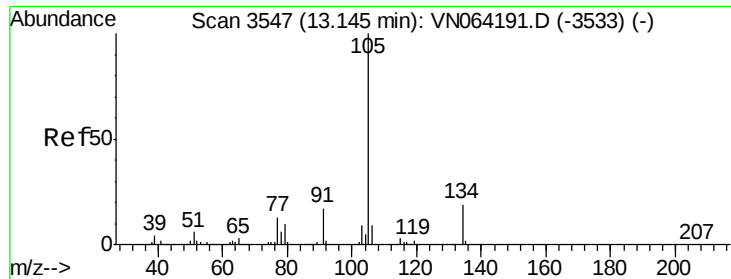
Acq: 22 Oct 2020 18:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 55703 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 43.0  | 0.0   | 85.8  |



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





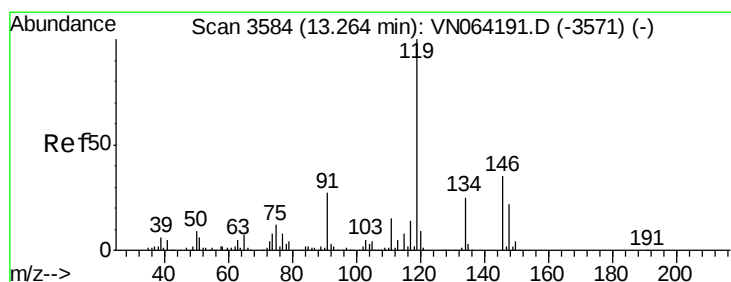
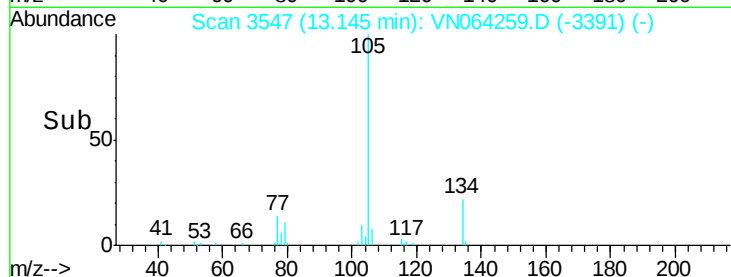
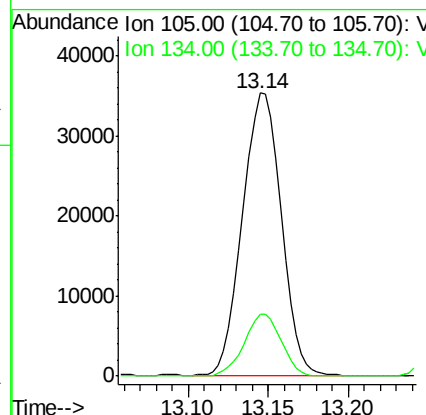
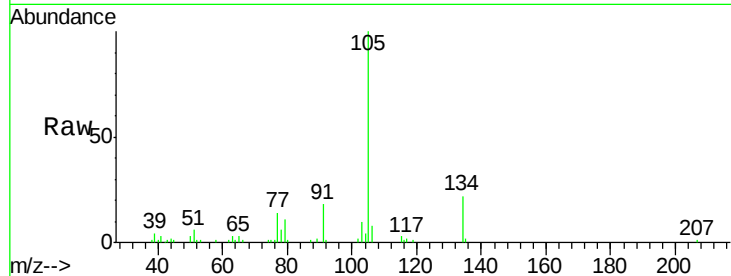
#81  
 sec-Butylbenzene  
 Concen: 4.628 ug/l  
 RT: 13.14 min Scan# 3547  
 Delta R.T. 0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.6  | 0.0   | 38.4  |

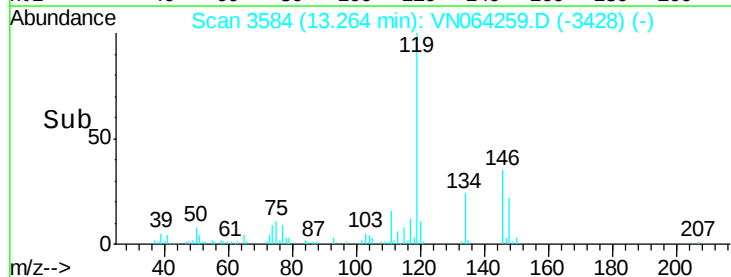
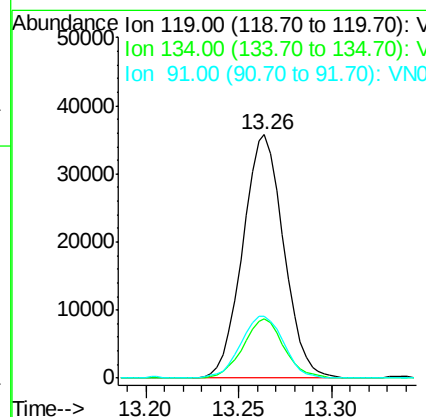
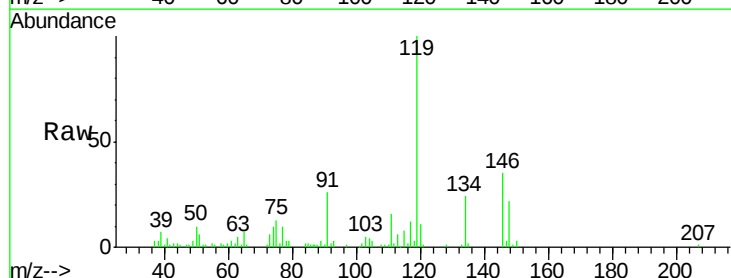
Manual Integrations  
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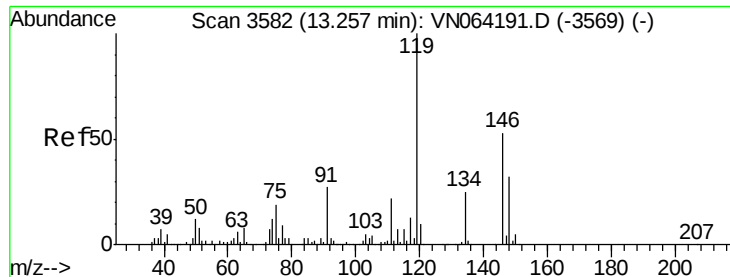
MMDadoda  
 10/23/2020 3:24:05 PM



#82  
 p-Isopropyltoluene  
 Concen: 4.646 ug/l  
 RT: 13.26 min Scan# 3584  
 Delta R.T. 0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 24.4  | 0.0   | 51.4  |
| 91      | 26.6  | 0.0   | 52.8  |





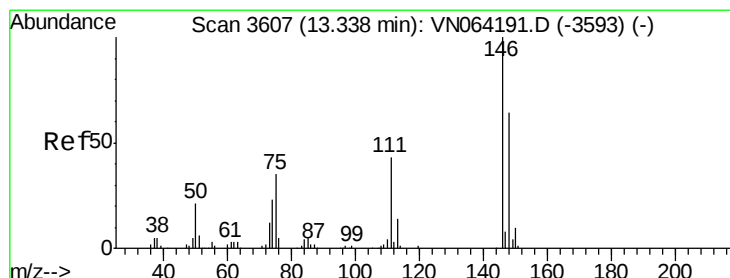
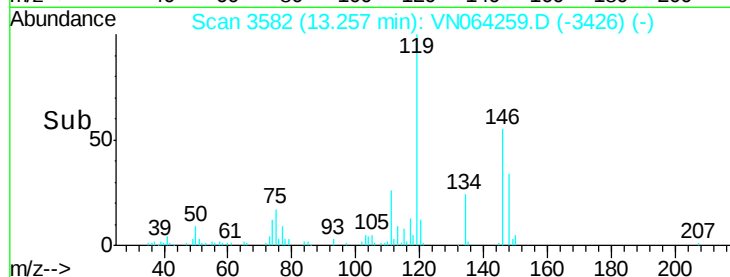
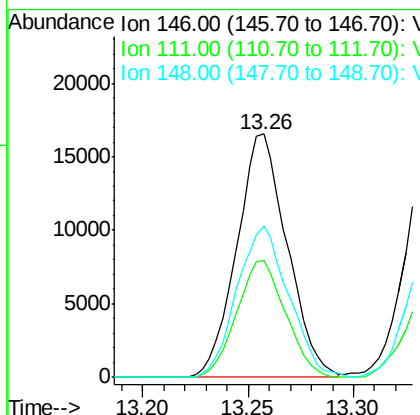
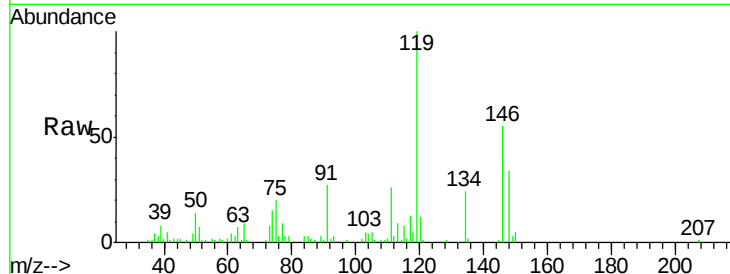
#83  
 1,3-Dichlorobenzene  
 Concen: 4.514 ug/l  
 RT: 13.26 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 46.3  | 21.8  | 65.4  |
| 148     | 63.7  | 31.4  | 94.2  |

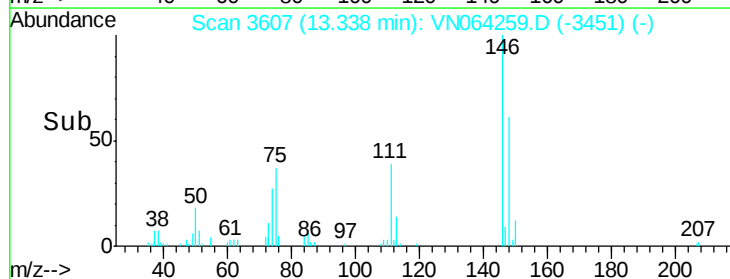
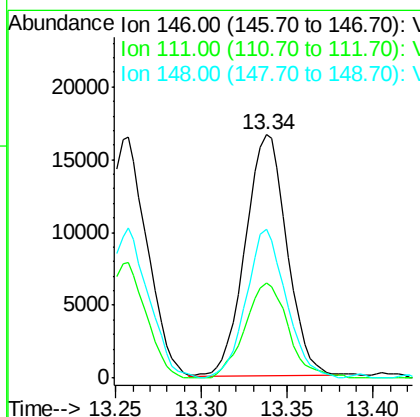
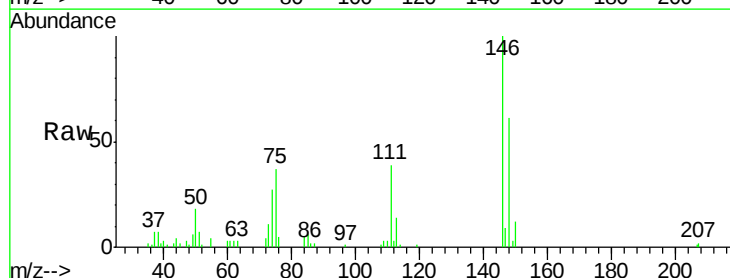
Manual Integrations  
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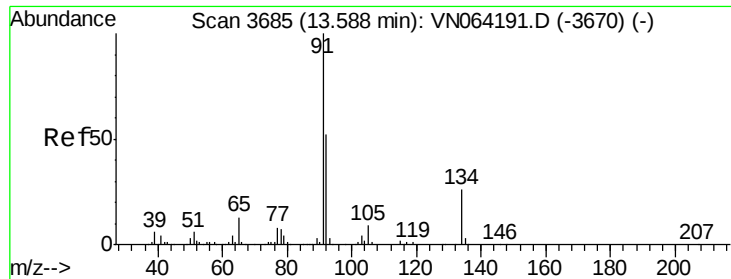
MMDadoda  
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#84  
 1,4-Dichlorobenzene  
 Concen: 4.553 ug/l  
 RT: 13.34 min Scan# 3607  
 Delta R.T. 0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.1  | 20.9  | 62.8  |
| 148     | 59.4  | 30.9  | 92.7  |





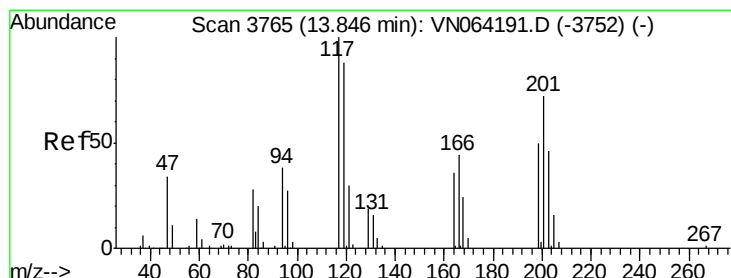
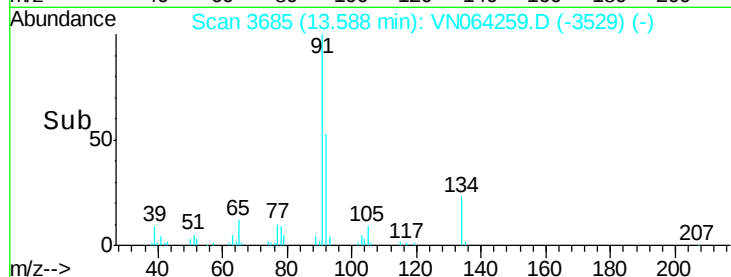
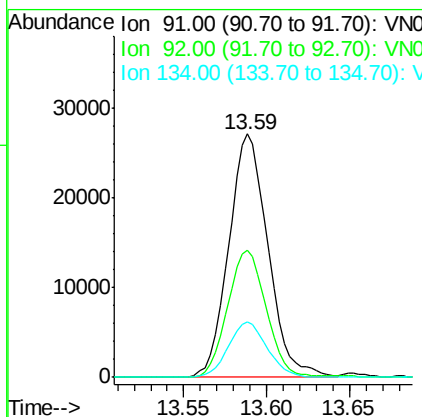
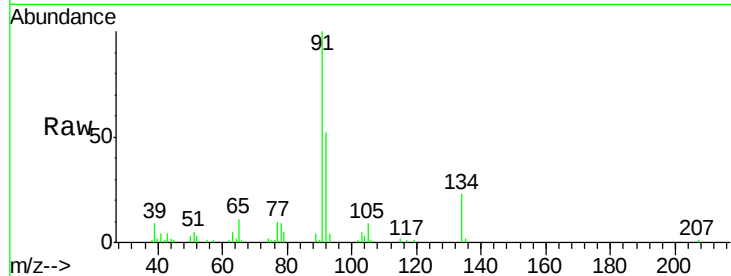
#85  
n-Butylbenzene  
Concen: 4.278 ug/l  
RT: 13.59 min Scan# 3685  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.1  | 0.0   | 104.8 |
| 134     | 22.5  | 0.0   | 49.8  |

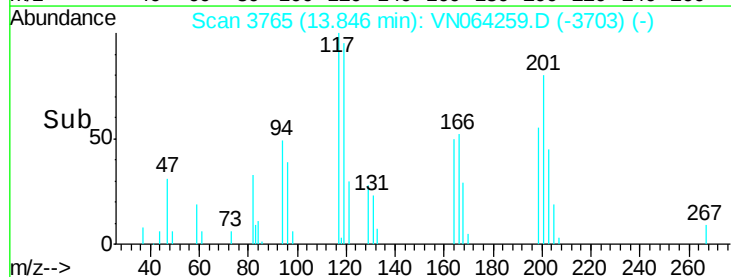
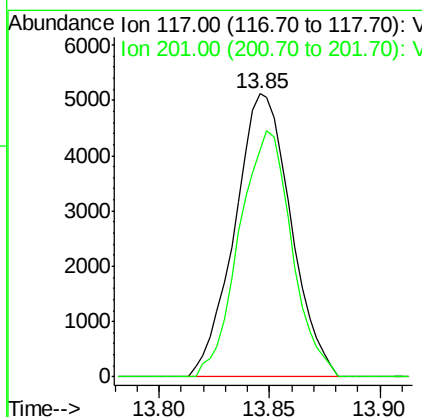
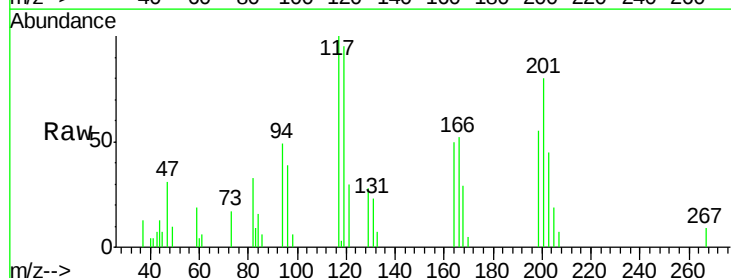
Manual Integrations  
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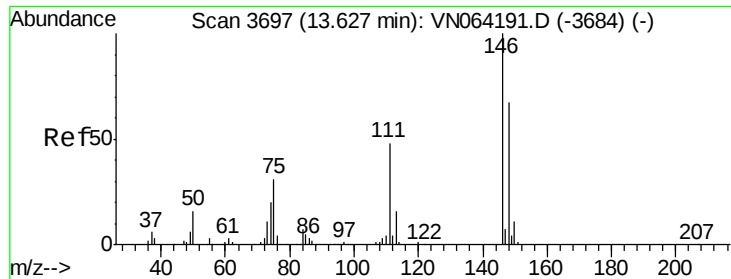
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#86  
Hexachloroethane  
Concen: 4.463 ug/l  
RT: 13.85 min Scan# 3765  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 81.3  | 37.5  | 112.3 |





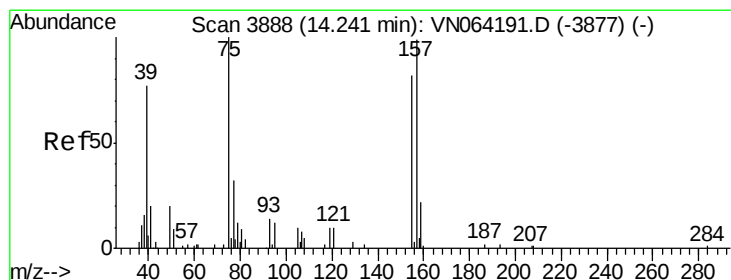
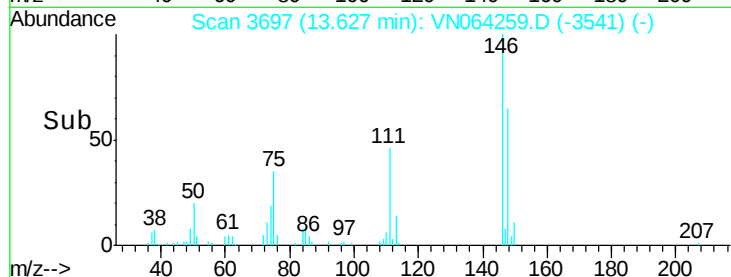
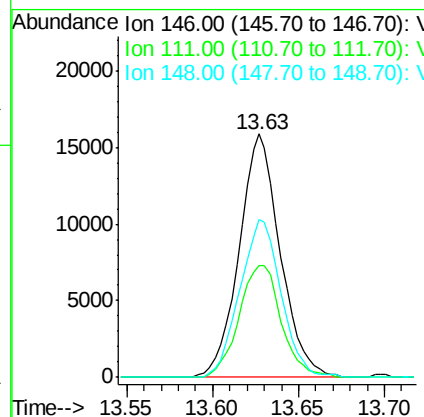
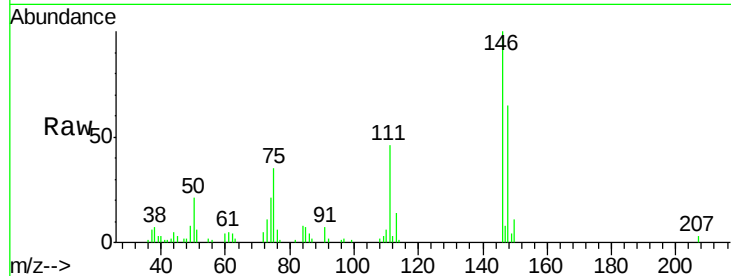
#87  
 1,2-Dichlorobenzene  
 Concen: 4.436 ug/l  
 RT: 13.63 min Scan# 3697  
 Delta R.T. 0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 47.3  | 22.6  | 67.8  |
| 148     | 64.8  | 32.6  | 97.8  |

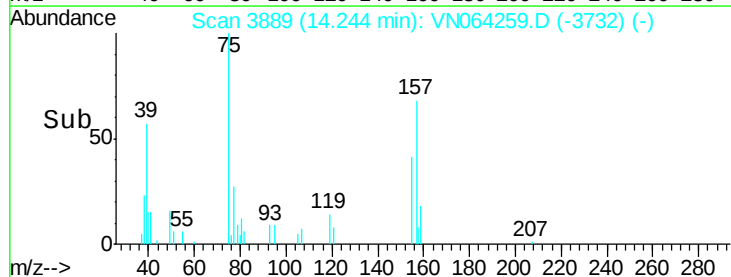
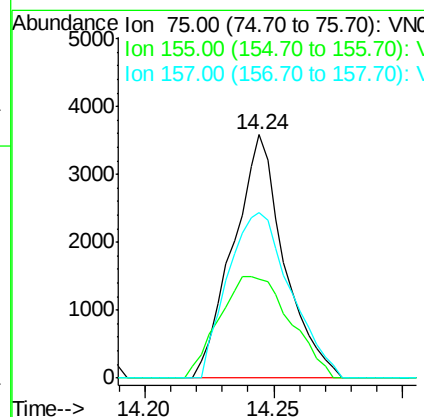
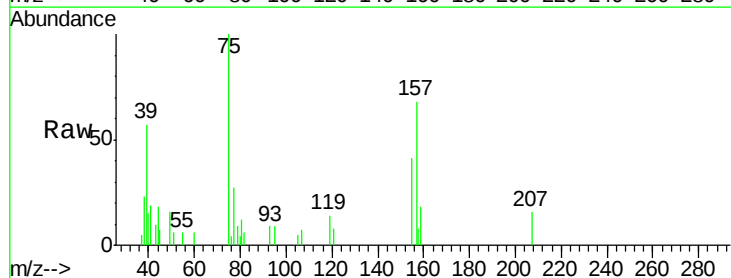
Manual Integrations  
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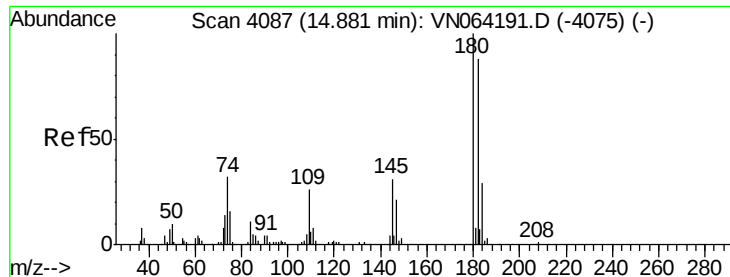
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#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.068 ug/l  
 RT: 14.24 min Scan# 3889  
 Delta R.T. 0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 58.0  | 61.1  | 91.7# |
| 157     | 83.7  | 76.5  | 114.7 |





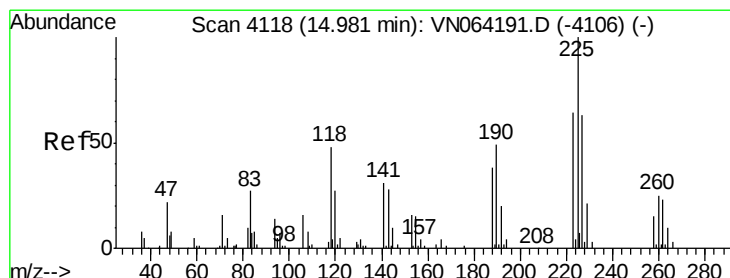
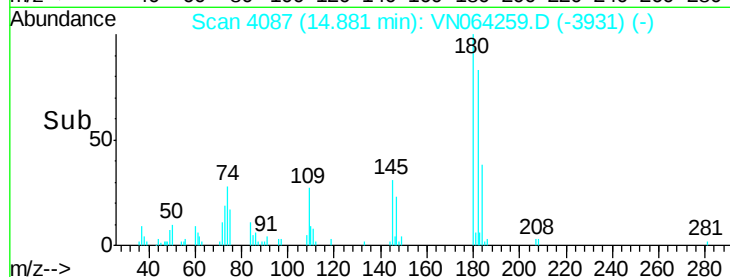
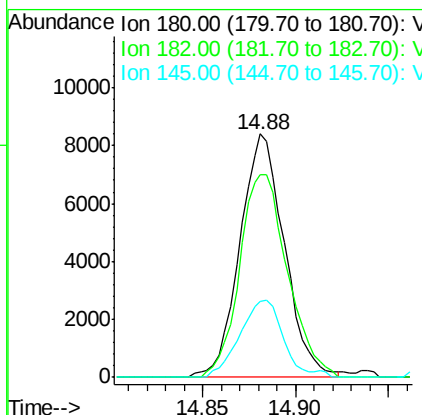
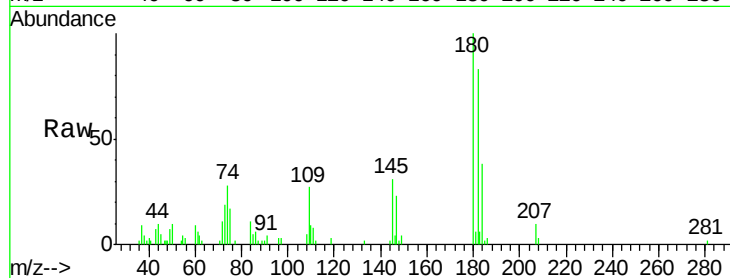
#89  
 1,2,4-Trichlorobenzene  
 Concen: 3.923 ug/l  
 RT: 14.88 min Scan# 4087  
 Delta R.T. 0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 89.6  | 73.0  | 109.4 |
| 145     | 30.3  | 24.3  | 36.5  |

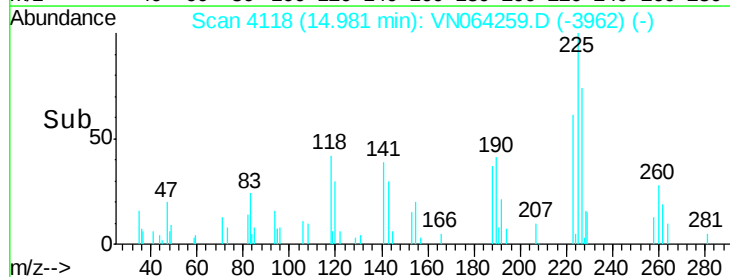
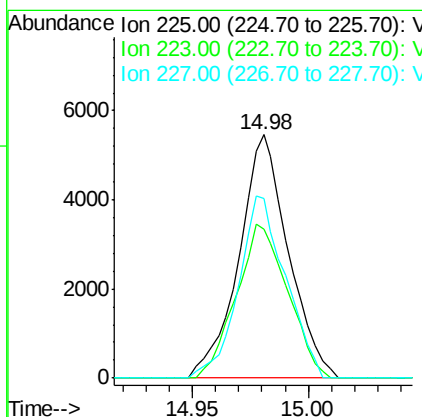
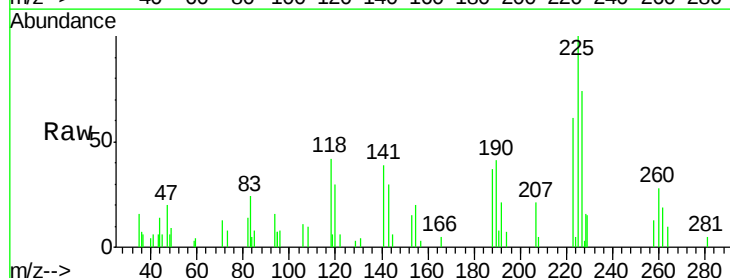
Manual Integrations  
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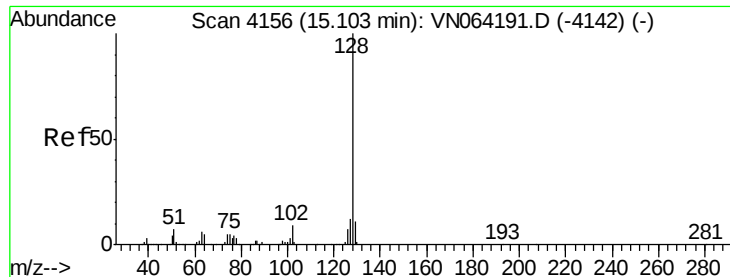
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#90  
 Hexachlorobutadiene  
 Concen: 4.478 ug/l  
 RT: 14.98 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN064259.D  
 Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.9  | 0.0   | 127.0 |
| 227     | 71.2  | 0.0   | 129.4 |





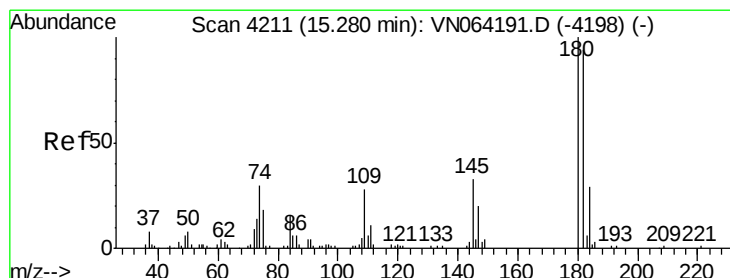
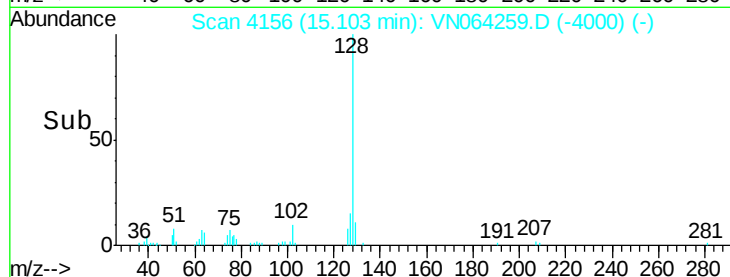
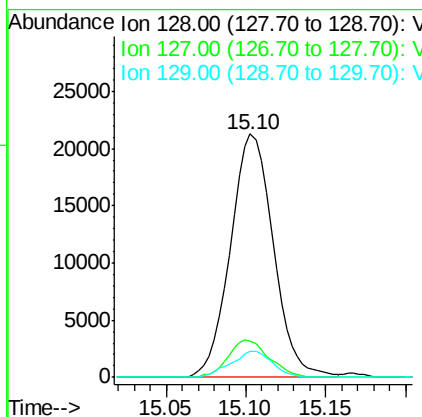
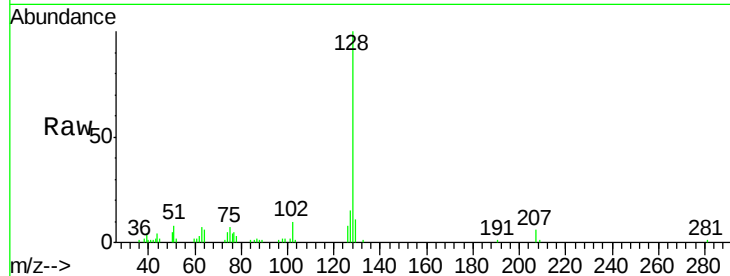
#91  
Naphthalene  
Concen: 3.610 ug/l  
RT: 15.10 min Scan# 4156  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 14.5  | 10.1  | 15.1  |
| 129     | 10.3  | 8.7   | 13.1  |

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#92  
1,2,3-Trichlorobenzene  
Concen: 3.789 ug/l  
RT: 15.28 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN064259.D  
Acq: 22 Oct 2020 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.4  | 0.0   | 190.0 |
| 145     | 36.0  | 0.0   | 66.6  |

