

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\  
 Data File : VN060573.D  
 Acq On : 17 Mar 2020 22:59  
 Operator : JC/MD  
 Sample : L1161-07 2.5PPB LOD  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2020

Manual Integrations  
 APPROVED

MMDadoda  
 3/19/2020 1:02:24 PM

Quant Time: Mar 18 09:18:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 09:02:01 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 210752   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 357250   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 317056   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 139209   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 140811   | 48.67 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.34% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 103761   | 48.03 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.06% |          |
| 50) Toluene-d8              | 10.08 | 98   | 413459   | 46.86 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.72% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 143228   | 44.29 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 88.58% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85   | 4939     | 2.422  | ug/l   | 95     |
| 3) Chloromethane              | 2.04 | 50   | 9346     | 2.454  | ug/l   | 97     |
| 4) Vinyl Chloride             | 2.16 | 62   | 7094     | 2.381  | ug/l   | 98     |
| 5) Bromomethane               | 2.55 | 94   | 3473     | 2.701  | ug/l   | 97     |
| 6) Chloroethane               | 2.69 | 64   | 4345     | 2.532  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 3.00 | 101  | 9586     | 2.612  | ug/l   | 94     |
| 8) Diethyl Ether              | 3.38 | 74   | 3972     | 2.694  | ug/l   | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101  | 5493     | 2.583  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.93 | 142  | 4657     | 2.461  | ug/l # | 97     |
| 11) Tert butyl alcohol        | 4.73 | 59   | 5235     | 12.303 | ug/l # | 84     |
| 12) 1,1-Dichloroethene        | 3.72 | 96   | 6076     | 2.663  | ug/l   | 92     |
| 13) Acrolein                  | 3.58 | 56   | 4938     | 10.471 | ug/l   | 97     |
| 14) Allyl chloride            | 4.29 | 41   | 10191    | 2.539  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.96 | 53   | 14093    | 11.264 | ug/l   | 99     |
| 16) Acetone                   | 3.79 | 43   | 12568    | 12.264 | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.03 | 76   | 18296    | 2.636  | ug/l   | 98     |
| 18) Methyl Acetate            | 4.30 | 43   | 7186     | 2.491  | ug/l   | 92     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73   | 20371    | 2.597  | ug/l   | 95     |
| 20) Methylene Chloride        | 4.53 | 84   | 6339     | 2.514  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96   | 6364     | 2.617  | ug/l   | 97     |
| 22) Diisopropyl ether         | 5.92 | 45   | 21443    | 2.529  | ug/l   | 93     |
| 23) Vinyl Acetate             | 5.86 | 43   | 83935    | 12.133 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.82 | 63   | 12324    | 2.666  | ug/l # | 95     |
| 25) 2-Butanone                | 6.80 | 43   | 19852    | 11.971 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 6.79 | 77   | 8691     | 2.390  | ug/l   | 80     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96   | 6981     | 2.526  | ug/l   | 97     |
| 28) Bromochloromethane        | 7.17 | 49   | 5043     | 2.280  | ug/l # | 94     |
| 29) Tetrahydrofuran           | 7.18 | 42   | 14555    | 12.405 | ug/l   | 98     |
| 30) Chloroform                | 7.35 | 83   | 11106    | 2.506  | ug/l   | 95     |
| 31) Cyclohexane               | 7.63 | 56   | 15347    | 3.294  | ug/l # | 67     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97   | 9703     | 2.540  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75   | 8791     | 2.541  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.91 | 43   | 8186     | 2.190  | ug/l # | 94     |
| 38) Carbon Tetrachloride      | 7.75 | 117  | 7714     | 2.488  | ug/l   | 95     |

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 Sample : L1161-07 2.5PPB LOD  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2020

Manual Integrations  
 APPROVED

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 3/19/2020 1:02:24 PM

Quant Time: Mar 18 09:18:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 09:02:01 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 10714    | 2.606  | ug/l   | 96       |
| 40) Benzene                    | 8.02  | 78   | 26480    | 2.536  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.15  | 41   | 4281     | 2.684  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 8993     | 2.520  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 15009    | 2.435  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 6738     | 2.560  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 6963     | 2.527  | ug/l   | 96       |
| 46) Dibromomethane             | 9.19  | 93   | 4357     | 2.615  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.39  | 83   | 8721     | 2.519  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.18  | 41   | 6510     | 2.372  | ug/l   | 93       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 1471     | 45.092 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 41819    | 11.922 | ug/l   | 99       |
| 52) Toluene                    | 10.14 | 92   | 15897    | 2.521  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 10023    | 2.521  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 10708    | 2.455  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 5989     | 2.468  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 8155     | 2.156  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 10764    | 2.557  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 20350    | 10.823 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.74 | 43   | 28286    | 11.194 | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.89 | 129  | 6030     | 2.406  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 6008     | 2.463  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.62 | 164  | 7383     | 2.959  | ug/l   | 92       |
| 65) Chlorobenzene              | 11.43 | 112  | 16223    | 2.581  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 5680     | 2.496  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.50 | 91   | 30226    | 2.586  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.61 | 106  | 21698    | 4.995  | ug/l   | 97       |
| 69) o-Xylene                   | 11.94 | 106  | 10836    | 2.613  | ug/l   | 97       |
| 70) Styrene                    | 11.96 | 104  | 15487    | 2.284  | ug/l   | 98       |
| 71) Bromoform                  | 12.12 | 173  | 3882     | 2.286  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.24 | 105  | 27616    | 2.643  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 11725    | 2.429  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 8191     | 2.593  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 7509m    | 2.500  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 6785     | 2.695  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.59 | 91   | 33121    | 2.683  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 19743    | 2.677  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 23330    | 2.632  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 2655     | 2.270  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 19657    | 2.617  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 19648    | 2.673  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.03 | 105  | 22929    | 2.614  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 26065    | 2.637  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 22916    | 2.579  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 11246    | 2.533  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 11646    | 2.611  | ug/l   | 89       |
| 89) n-Butylbenzene             | 13.61 | 91   | 20107    | 2.506  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 2972     | 2.301  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 11193    | 2.636  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 1961     | 2.765  | ug/l   | 74       |

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Sample : L1161-07 2.5PPB LOD  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
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Quant Title : SW846 8260  
QLast Update : Wed Mar 18 09:02:01 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 5901     | 2.263 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 3221     | 2.520 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 16539    | 2.109 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 5886     | 2.292 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:168 Resp: 210752

Ion Ratio Lower Upper

168 100

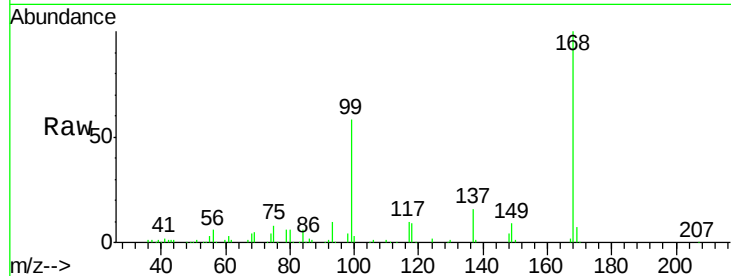
99 57.6 44.0 66.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

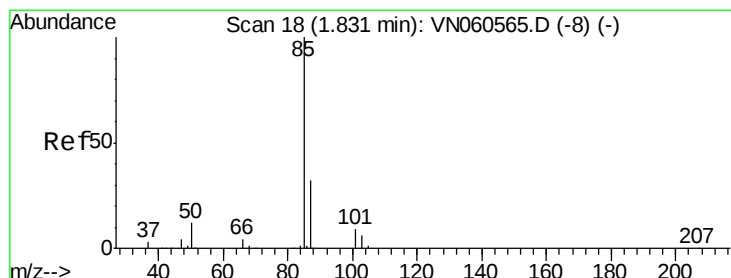
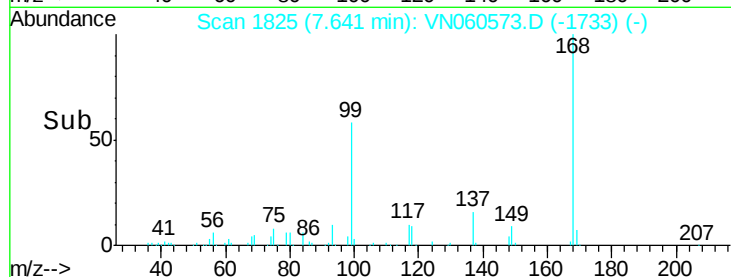
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 2.422 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060573.D

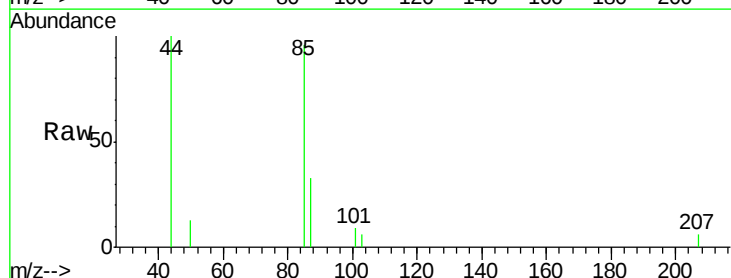
Acq: 17 Mar 2020 22:59

Tgt Ion: 85 Resp: 4939

Ion Ratio Lower Upper

85 100

87 34.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

4000

3000

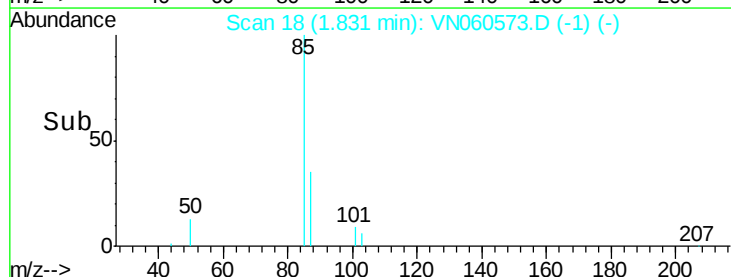
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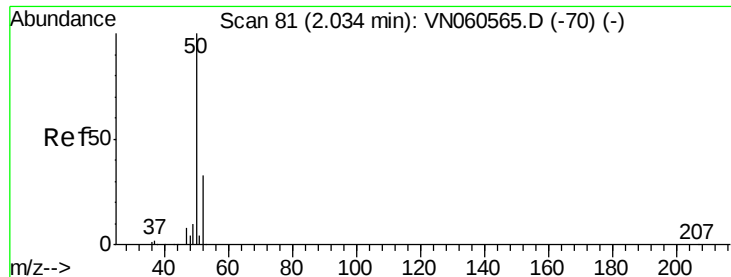
1000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 2.454 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 50 Resp: 9346

Ion Ratio Lower Upper

50 100

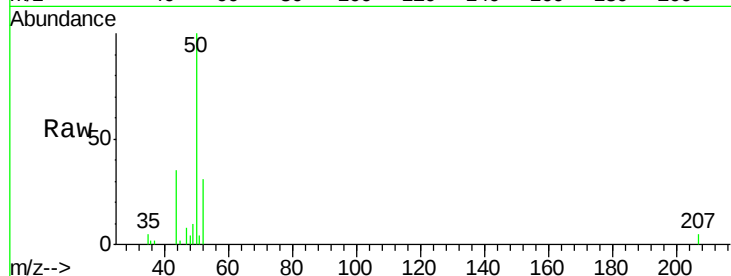
52 31.3 26.2 39.2

Manual Integrations

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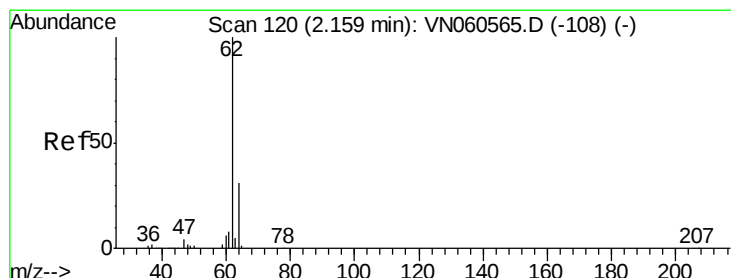
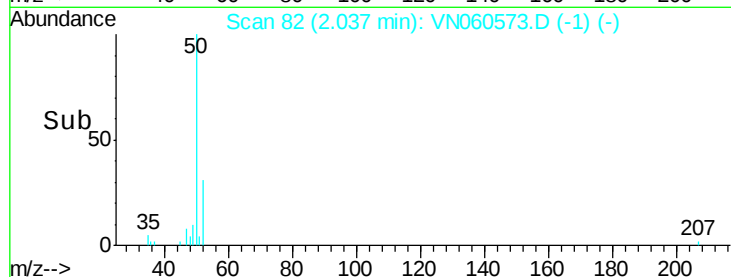
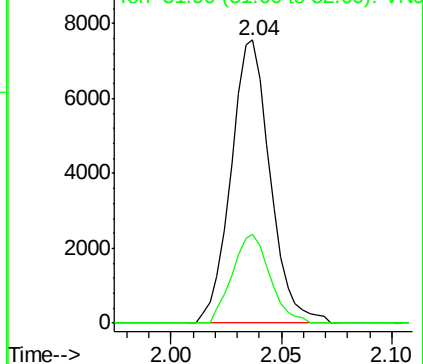
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3/19/2020 1:02:24 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 2.381 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060573.D

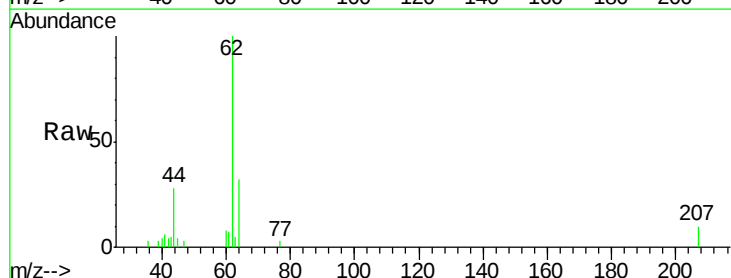
Acq: 17 Mar 2020 22:59

Tgt Ion: 62 Resp: 7094

Ion Ratio Lower Upper

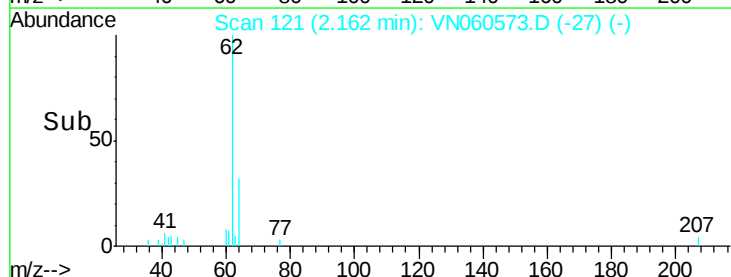
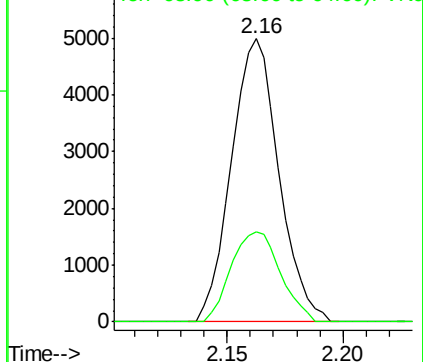
62 100

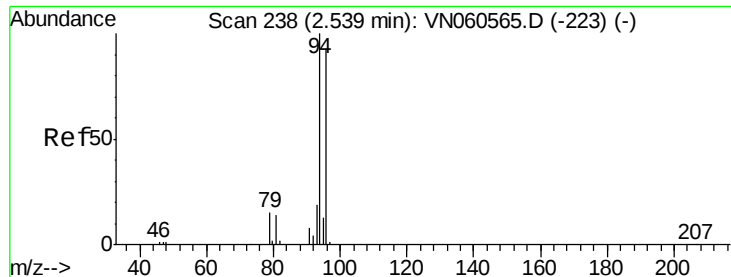
64 31.9 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 2.701 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

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Tot Ion: 94 Resp: 3473

Ion Ratio Lower Upper

94 100

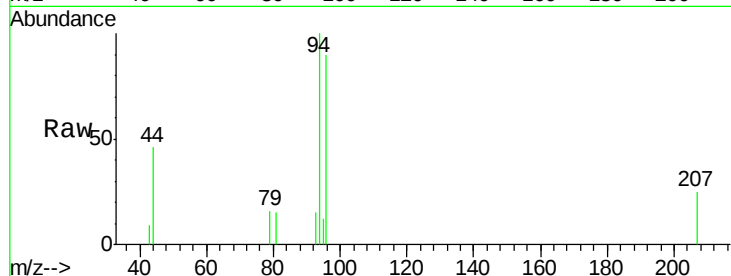
96 90.2 74.6 112.0

Manual Integrations

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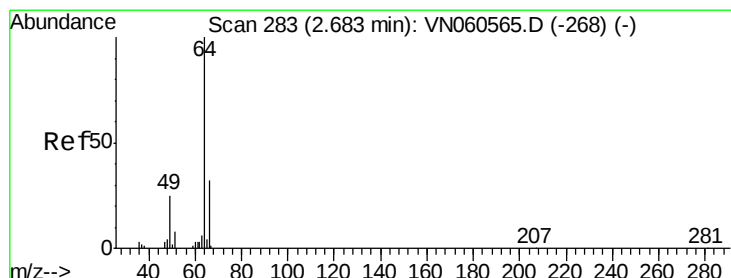
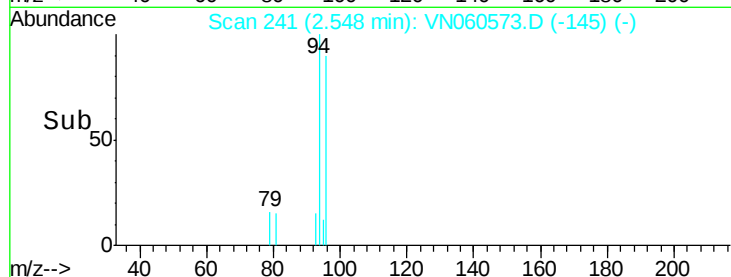
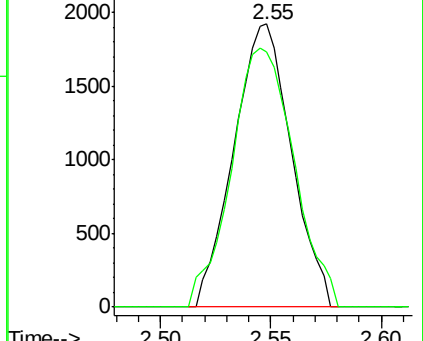
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 2.532 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060573.D

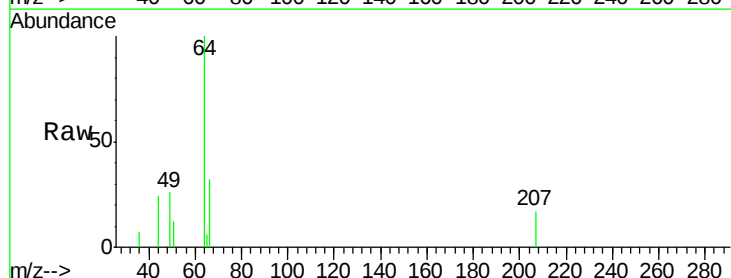
Acq: 17 Mar 2020 22:59

Tgt Ion: 64 Resp: 4345

Ion Ratio Lower Upper

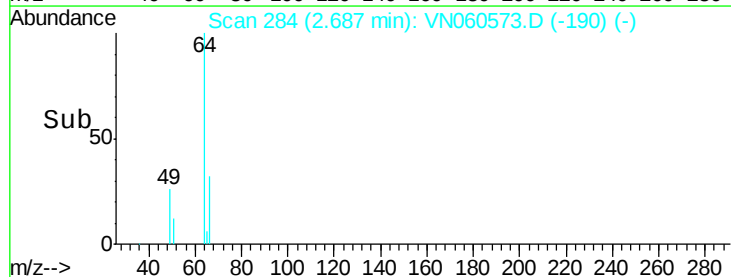
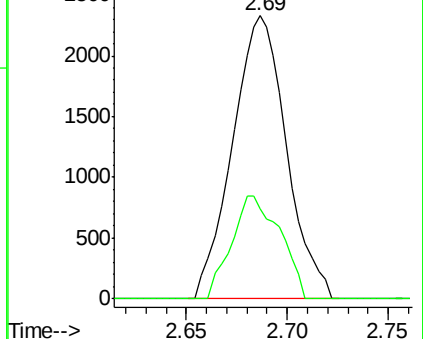
64 100

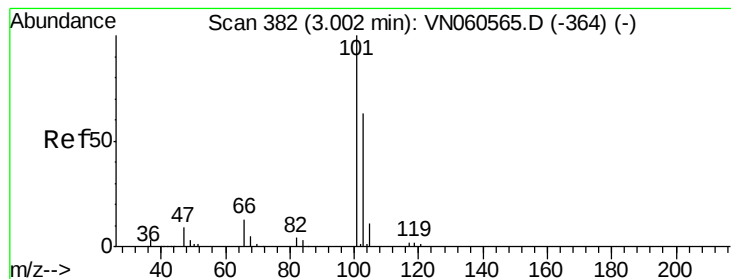
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

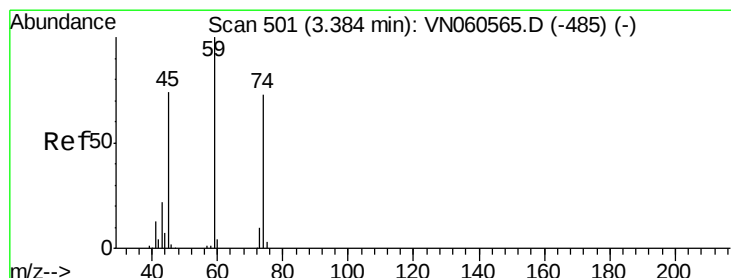
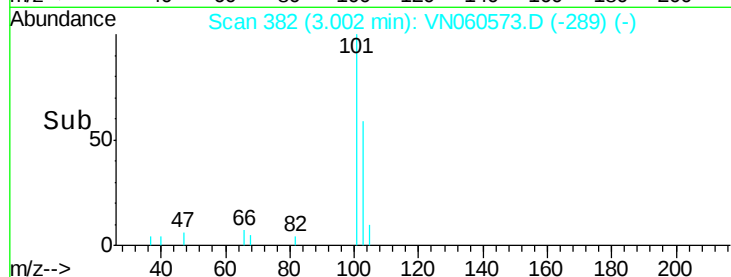
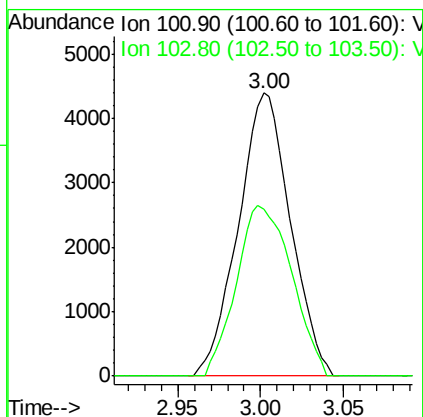
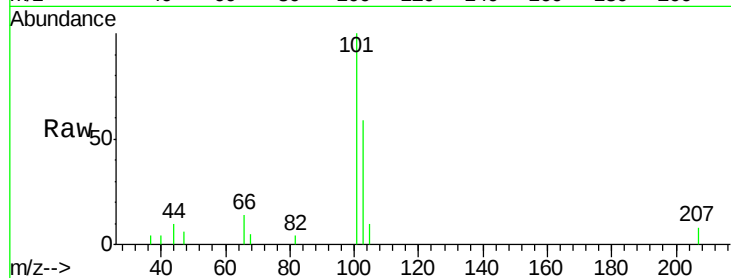
Trichlorofluoromethane  
 Concen: 2.612 ug/l  
 RT: 3.00 min Scan# 382  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 58.9  | 50.6  | 76.0  |

Manual Integrations  
 APPROVED

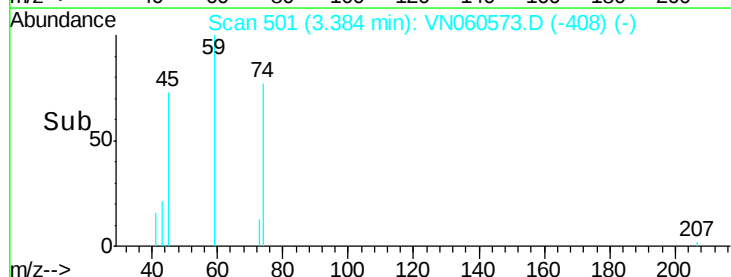
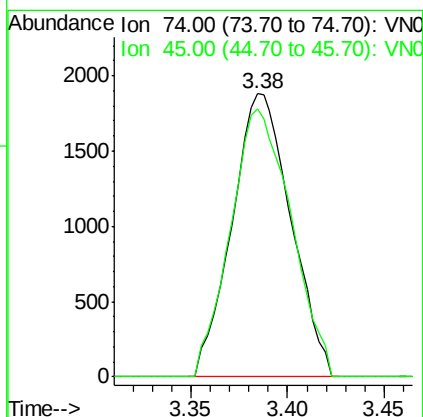
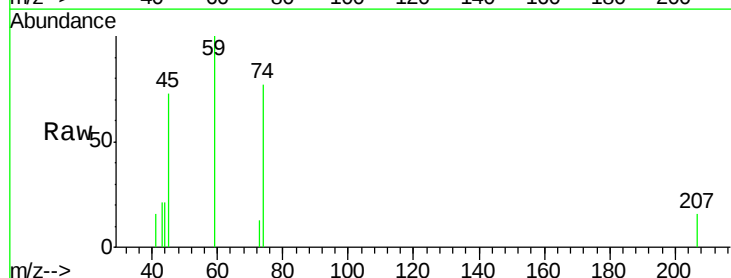
MMDadoda  
 3/19/2020 1:02:24 PM



#8

Diethyl Ether  
 Concen: 2.694 ug/l  
 RT: 3.38 min Scan# 501  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 97.7  | 51.3  | 153.9 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.583 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

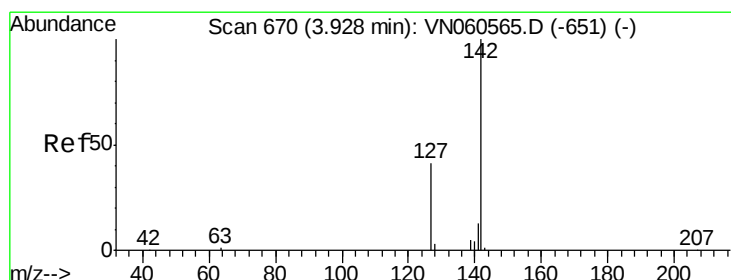
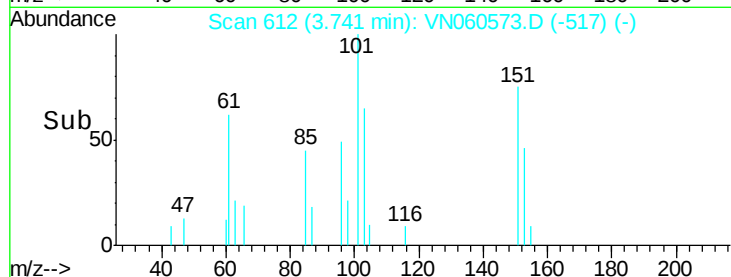
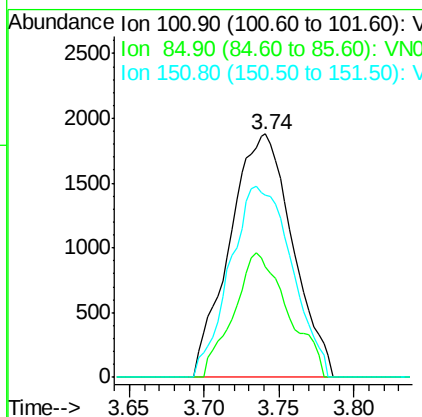
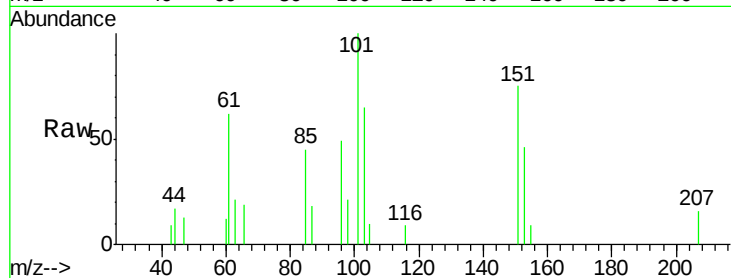
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 101   | Resp: | 5493 |
| Ion Ratio | Lower | Upper |      |
| 101       | 100   |       |      |
| 85        | 44.1  | 35.6  | 53.4 |
| 151       | 77.4  | 61.4  | 92.2 |

Manual Integrations  
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#10

Methyl Iodide

Concen: 2.461 ug/l

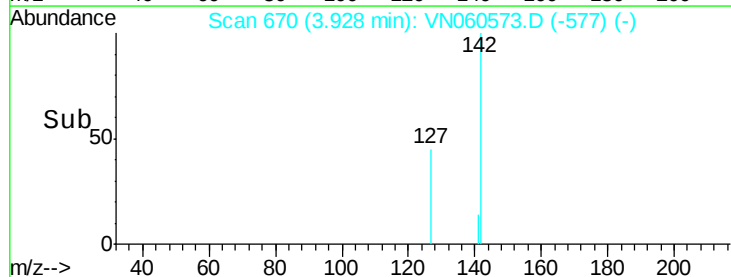
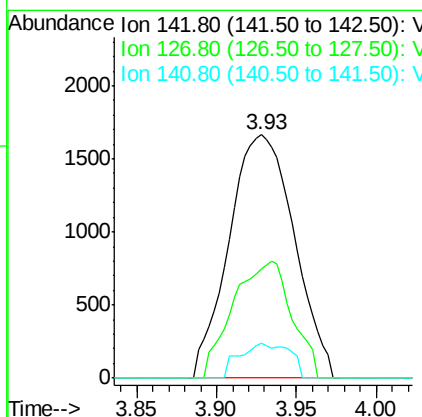
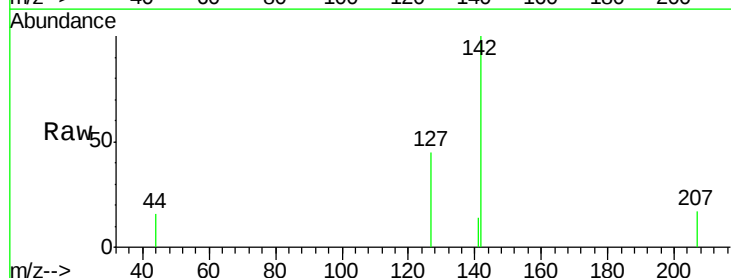
RT: 3.93 min Scan# 670

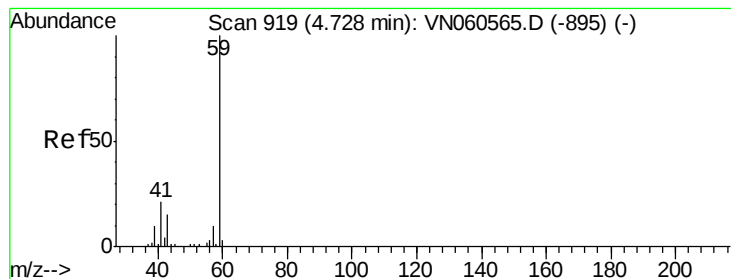
Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 4657  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.2  | 33.5  | 50.3  |
| 141       | 11.0  | 11.0  | 16.6# |





#11

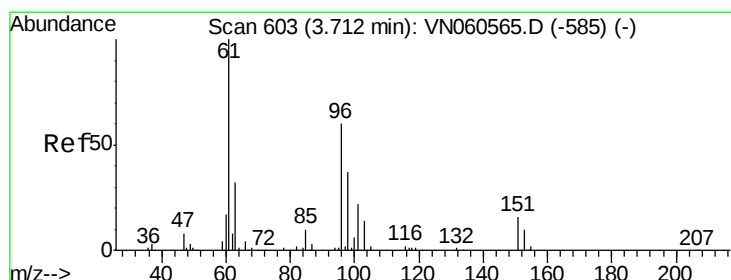
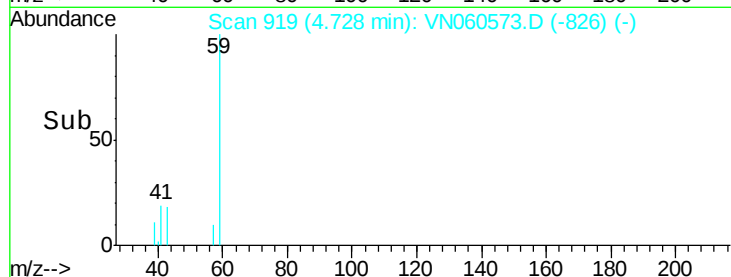
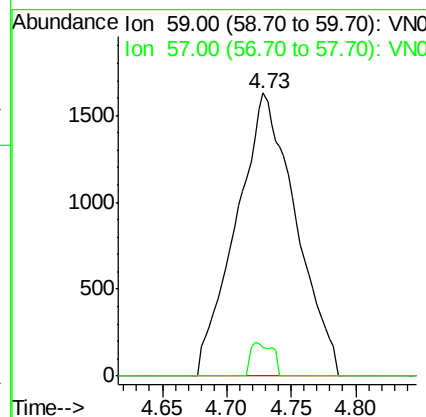
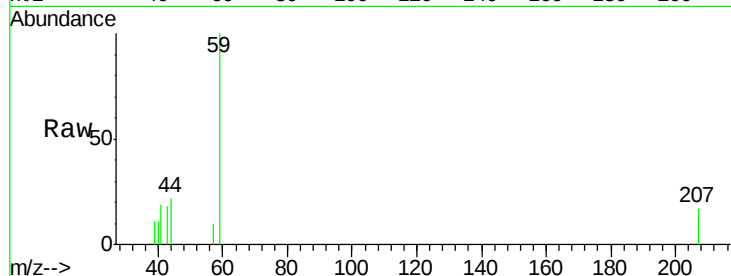
Tert butyl alcohol  
Concen: 12.303 ug/l  
RT: 4.73 min Scan# 919  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 59 Resp: 5235  
Ion Ratio Lower Upper  
59 100  
57 4.3 8.2 12.4#

Manual Integrations  
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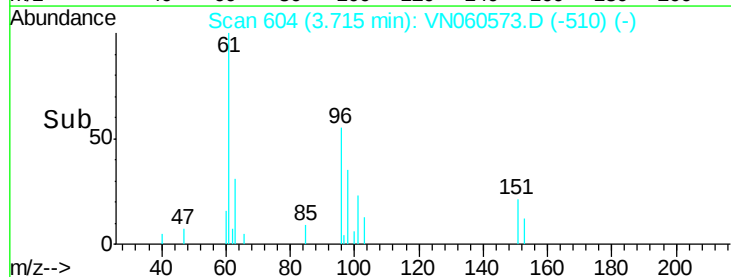
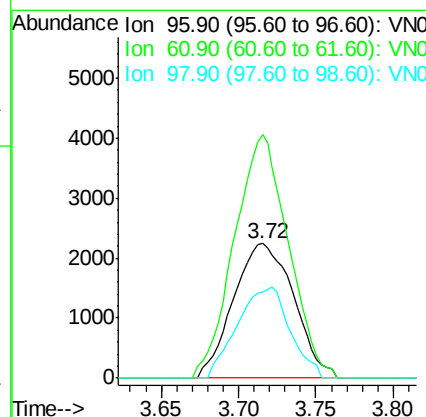
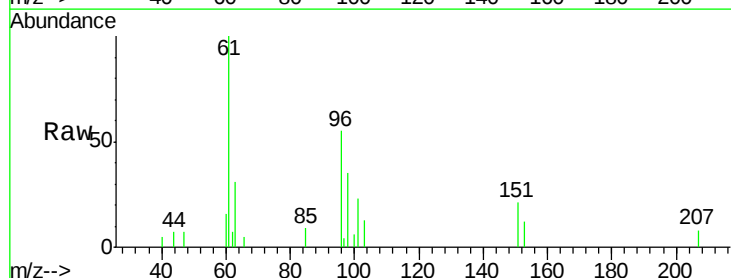
MMDadoda  
3/19/2020 1:02:24 PM

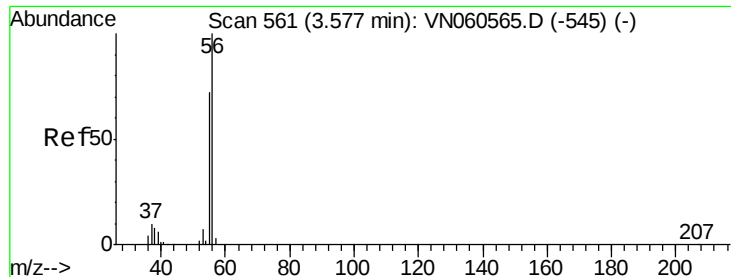


#12

1,1-Dichloroethene  
Concen: 2.663 ug/l  
RT: 3.72 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Tgt Ion: 96 Resp: 6076  
Ion Ratio Lower Upper  
96 100  
61 180.9 134.1 201.1  
98 63.6 49.9 74.9





#13

Acrolein

Concen: 10.471 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 56 Resp: 4938

Ion Ratio Lower Upper

56 100

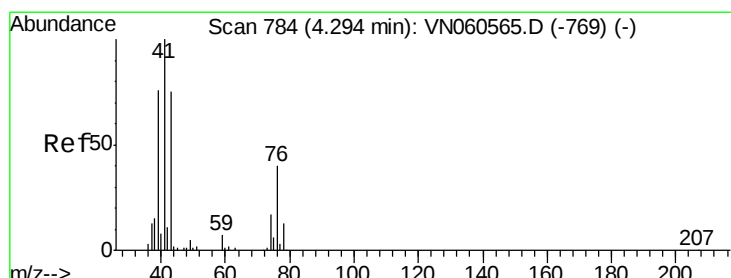
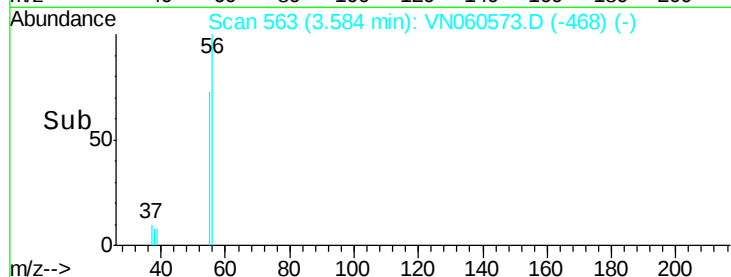
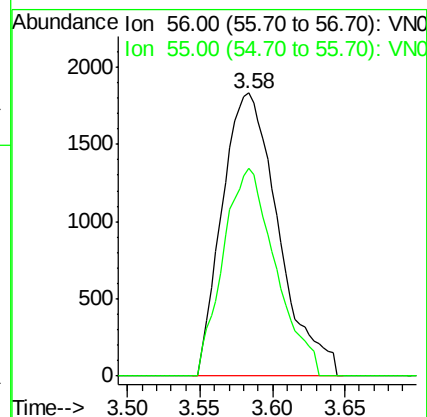
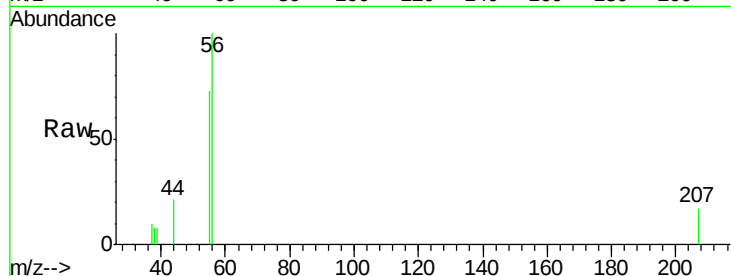
55 68.4 56.7 85.1

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 2.539 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

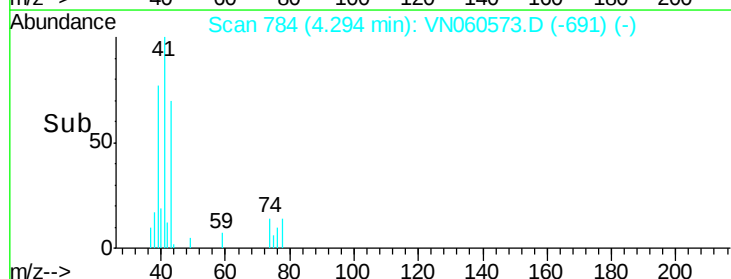
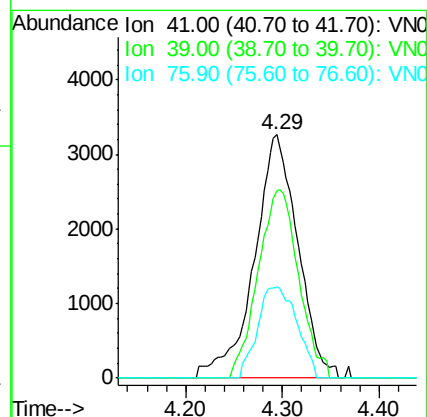
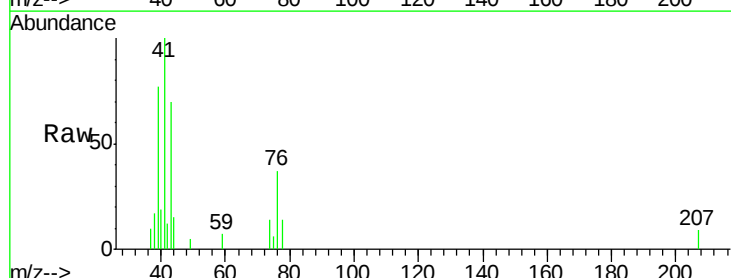
Tgt Ion: 41 Resp: 10191

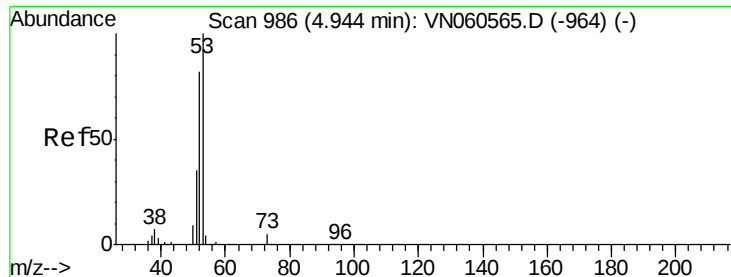
Ion Ratio Lower Upper

41 100

39 72.0 57.8 86.8

76 33.8 28.6 43.0





#15

Acrylonitrile

Concen: 11.264 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

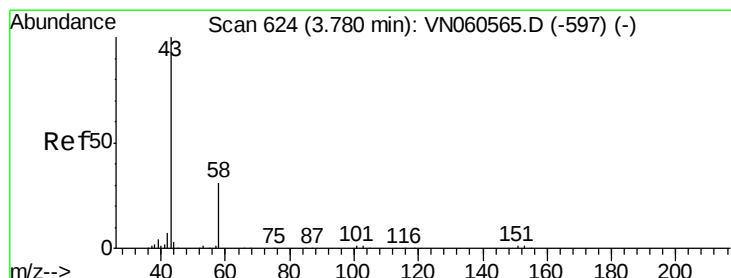
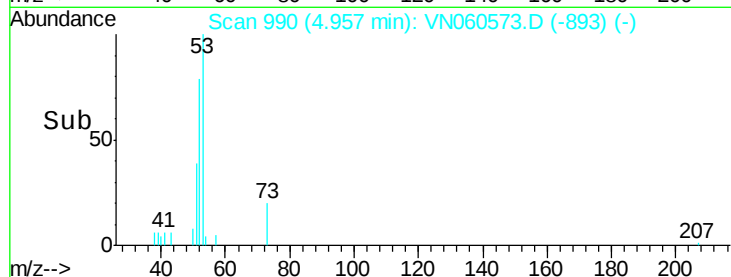
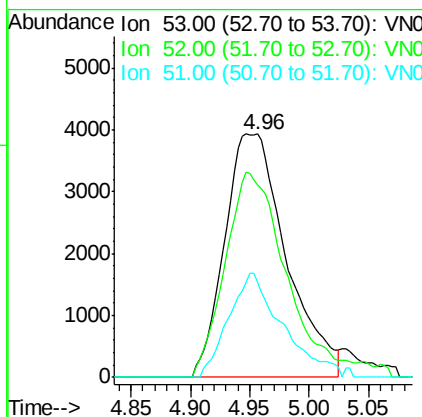
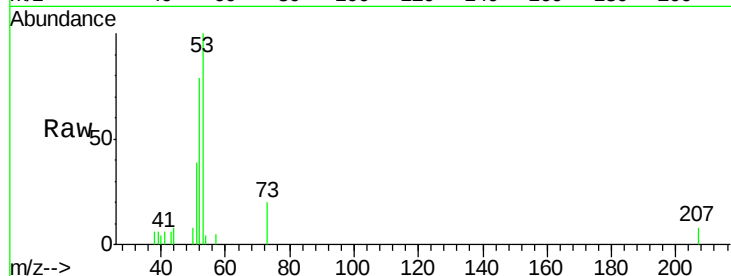
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 14093 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 83.4  | 66.2  | 99.4  |
| 51        | 37.3  | 28.7  | 43.1  |

Manual Integrations  
APPROVED

MMDadoda  
3/19/2020 1:02:24 PM



#16

Acetone

Concen: 12.264 ug/l

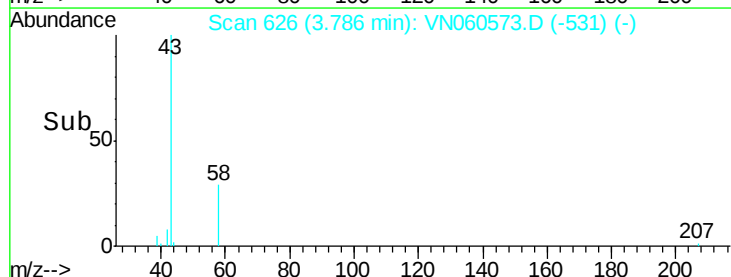
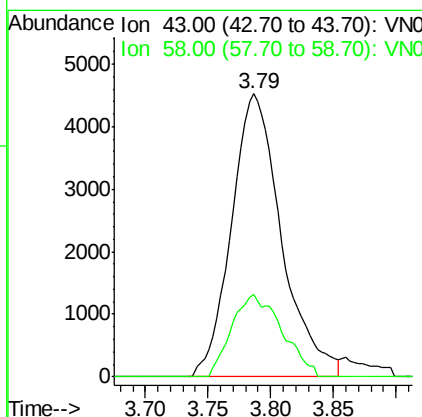
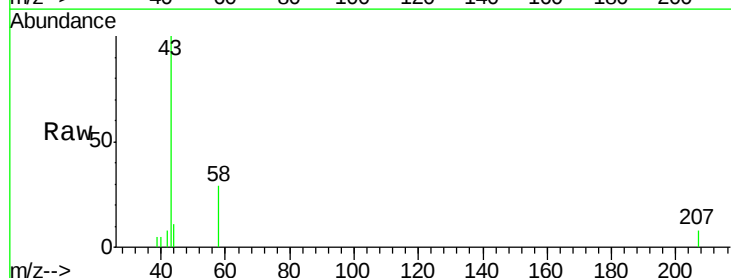
RT: 3.79 min Scan# 626

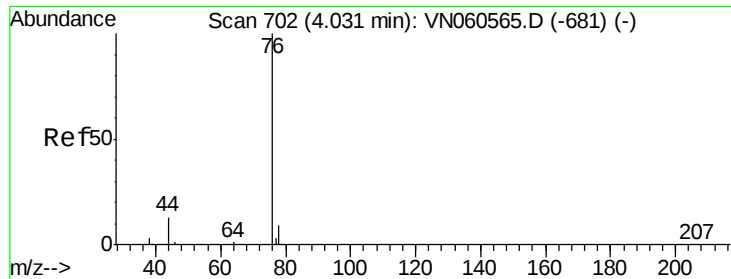
Delta R.T. 0.01 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 12568 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 29.1  | 25.1  | 37.7  |





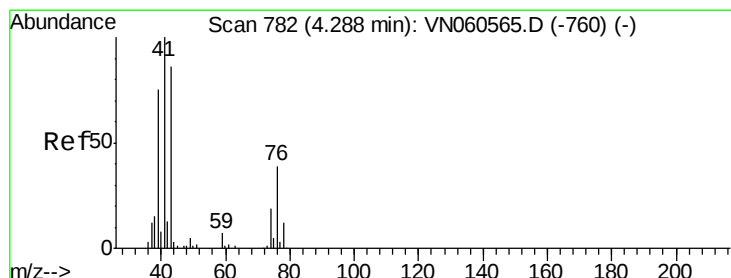
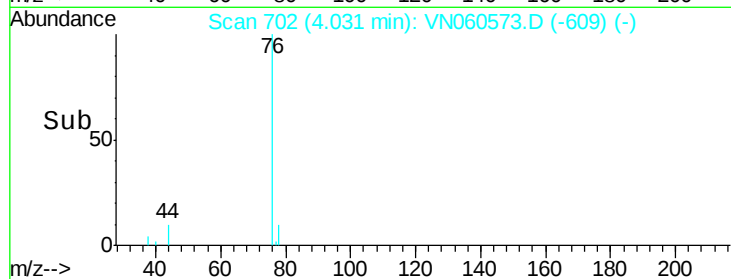
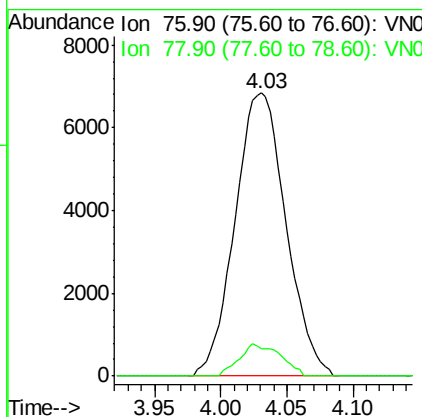
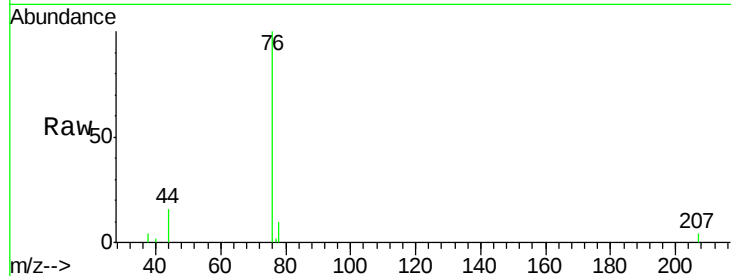
#17  
Carbon Disulfide  
Concen: 2.636 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.8   | 7.2   | 10.8  |

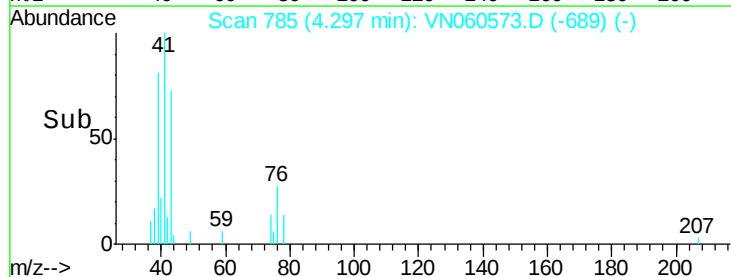
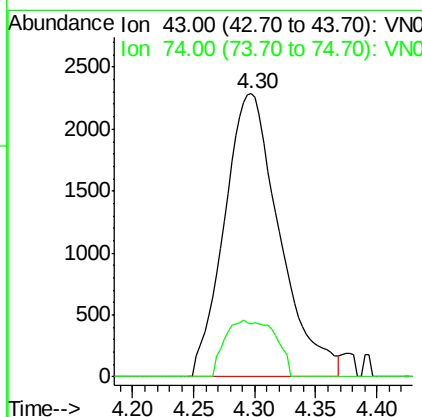
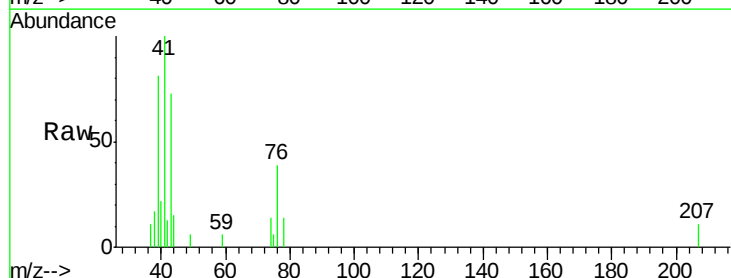
Manual Integrations  
APPROVED

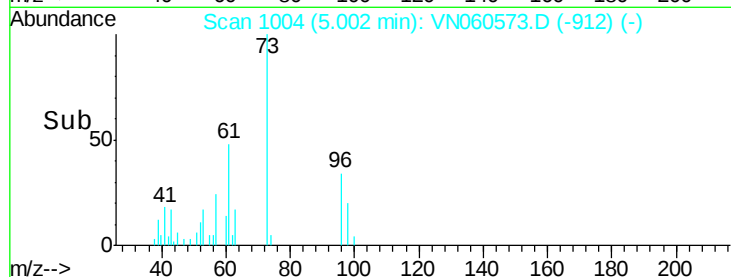
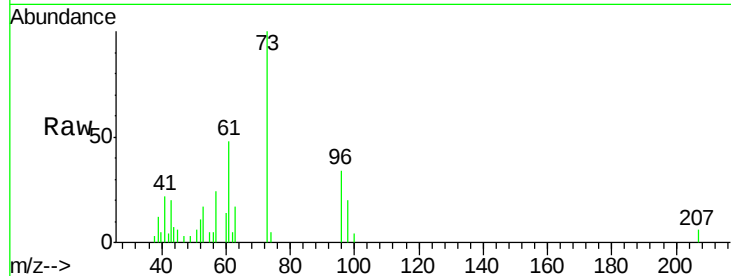
MMDadoda  
3/19/2020 1:02:24 PM



#18  
Methyl Acetate  
Concen: 2.491 ug/l  
RT: 4.30 min Scan# 785  
Delta R.T. 0.01 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 18.1  | 17.5  | 26.3  |





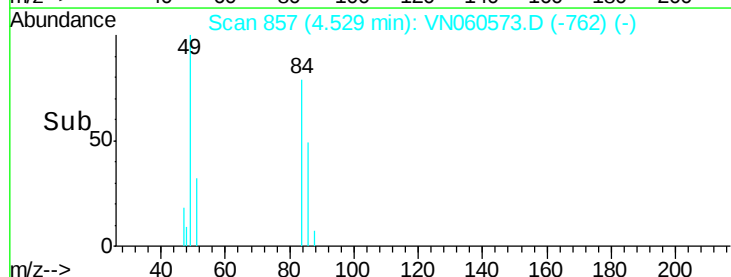
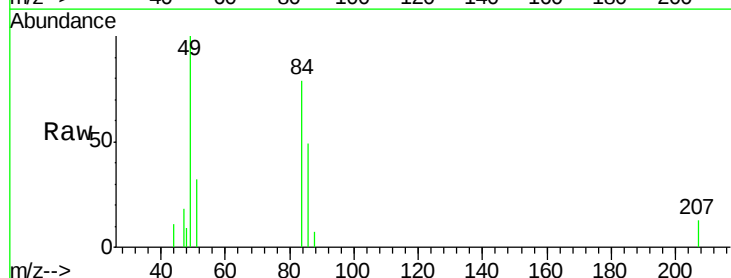
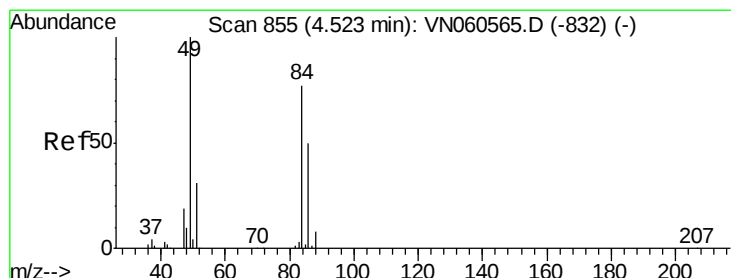
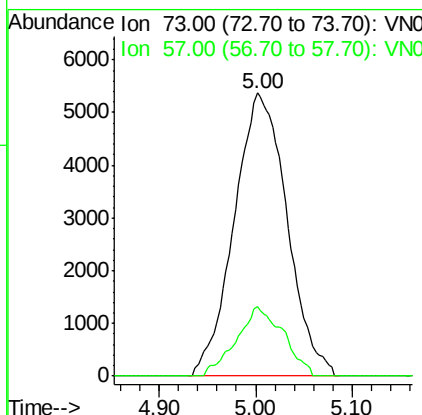
#19  
Methvl tert-butvl Ether  
Concen: 2.597 ug/l  
RT: 5.00 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Tot Ion: 73 Resp: 20371  
Ion Ratio Lower Upper  
73 100  
57 24.5 17.5 26.3

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

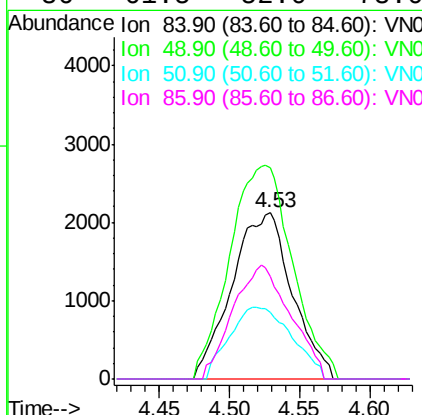
Manual Integrations  
APPROVED

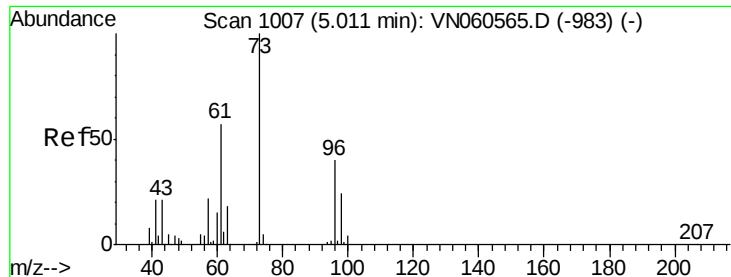
MMDadoda  
3/19/2020 1:02:24 PM



#20  
Methylene Chloride  
Concen: 2.514 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.01 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Tgt Ion: 84 Resp: 6339  
Ion Ratio Lower Upper  
84 100  
49 126.8 103.3 154.9  
51 40.1 31.6 47.4  
86 61.5 52.0 78.0





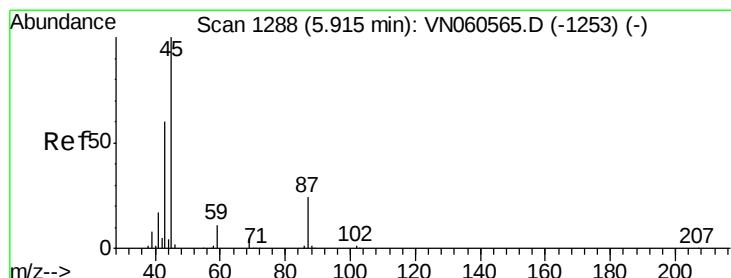
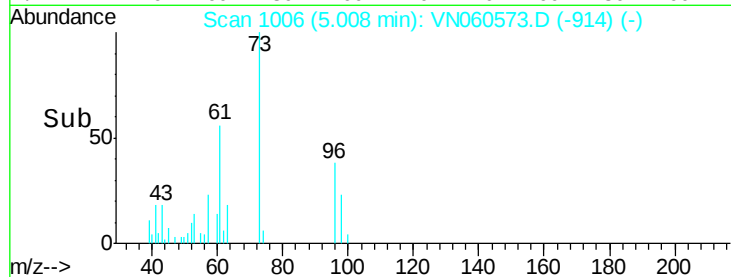
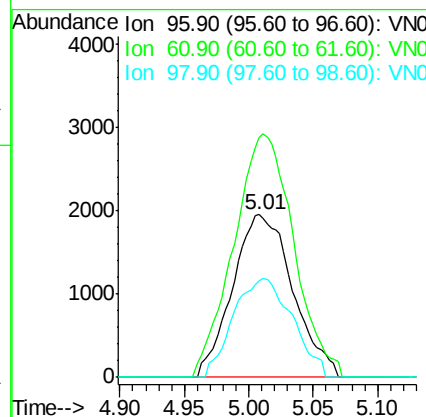
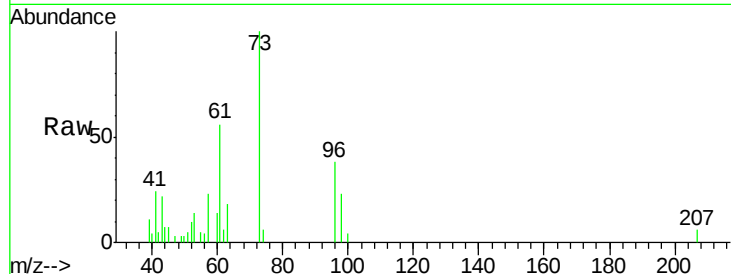
#21  
trans-1,2-Dichloroethene  
Concen: 2.617 ug/l  
RT: 5.01 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.7 | 114.4 | 171.6 |
| 98      | 59.1  | 48.4  | 72.6  |

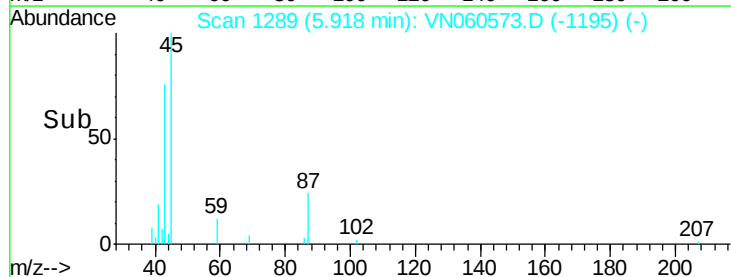
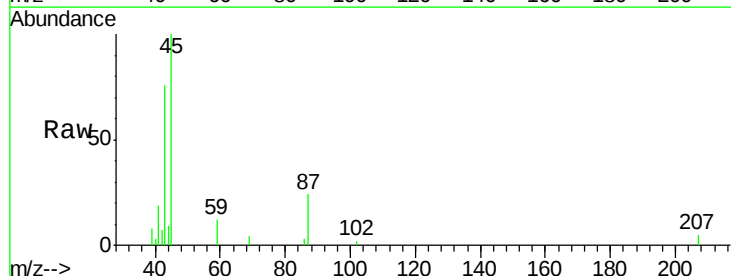
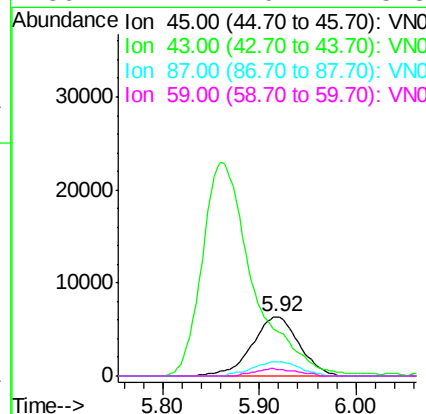
Manual Integrations  
APPROVED

MMDadoda  
3/19/2020 1:02:24 PM



#22  
Diisopropyl ether  
Concen: 2.529 ug/l  
RT: 5.92 min Scan# 1289  
Delta R.T. 0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 70.6  | 49.8  | 74.8  |
| 87      | 24.1  | 20.1  | 30.1  |
| 59      | 11.7  | 9.2   | 13.8  |





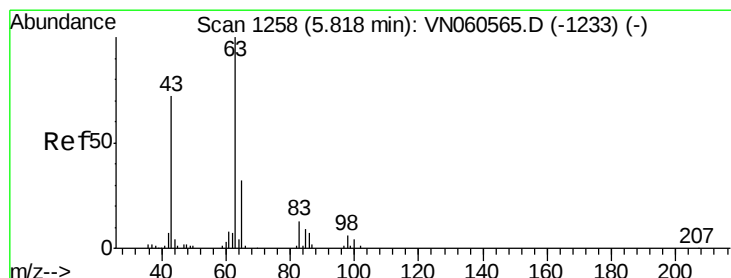
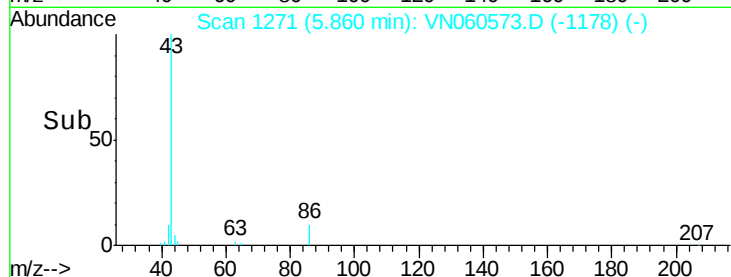
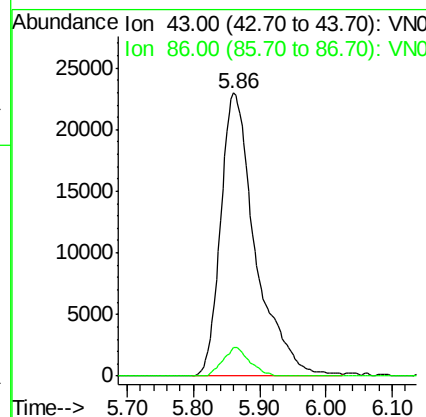
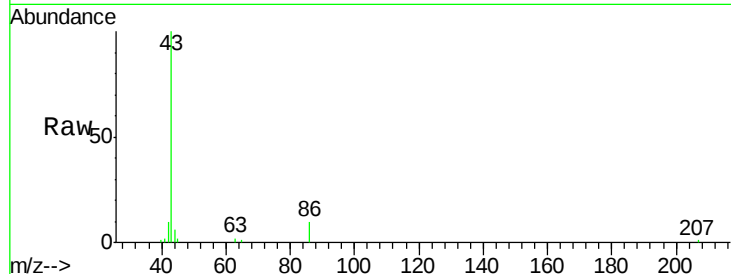
#23  
 Vinyl Acetate  
 Concen: 12.133 ug/l  
 RT: 5.86 min Scan# 1271  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2020

| Tot Ion   | 43  | Resp  | 83935 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 43        | 100 |       |       |
| 86        | 9.9 | 7.6   | 11.4  |

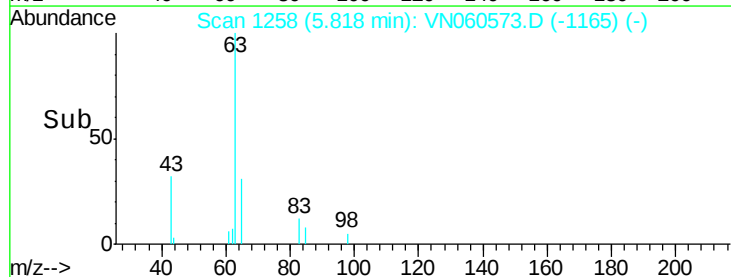
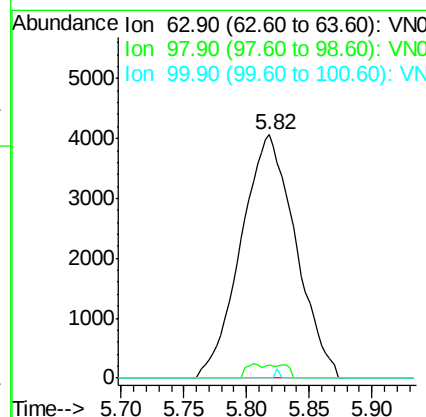
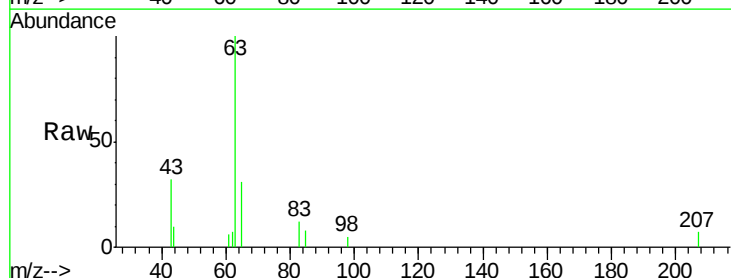
Manual Integrations  
 APPROVED

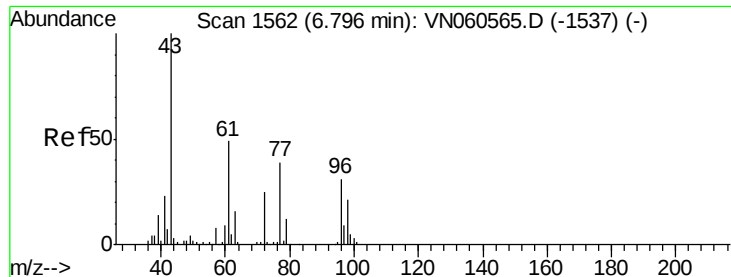
MMDadoda  
 3/19/2020 1:02:24 PM



#24  
 1,1-Dichloroethane  
 Concen: 2.666 ug/l  
 RT: 5.82 min Scan# 1258  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

| Tgt Ion   | 63  | Resp  | 12324 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 63        | 100 |       |       |
| 98        | 5.3 | 2.9   | 8.7   |
| 100       | 0.0 | 1.8   | 5.5#  |





#25

2-Butanone

Concen: 11.971 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 19852

Ion Ratio Lower Upper

43 100

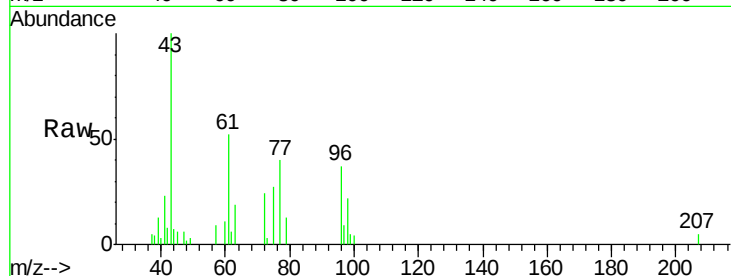
72 23.9 20.4 30.6

Manual Integrations

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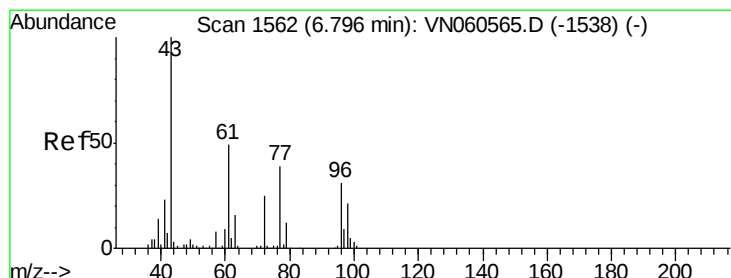
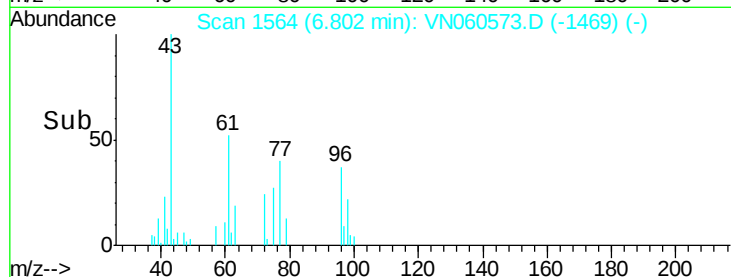
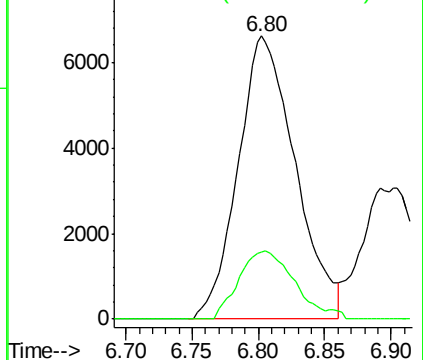
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 2.390 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060573.D

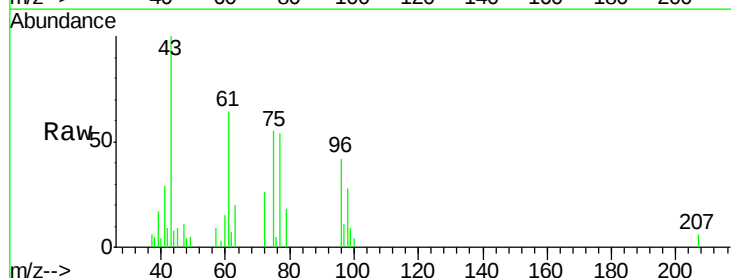
Acq: 17 Mar 2020 22:59

Tgt Ion: 77 Resp: 8691

Ion Ratio Lower Upper

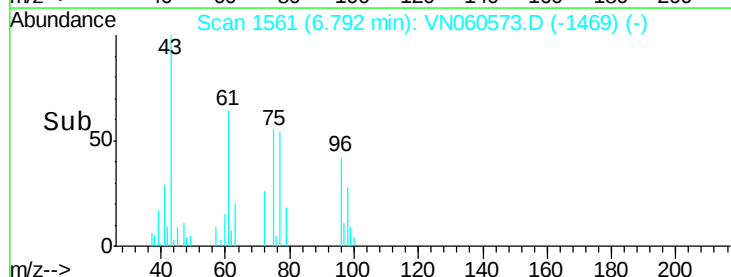
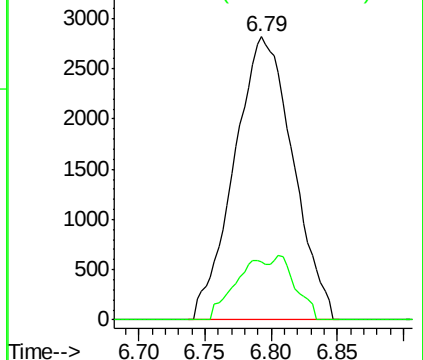
77 100

97 12.9 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 2.526 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

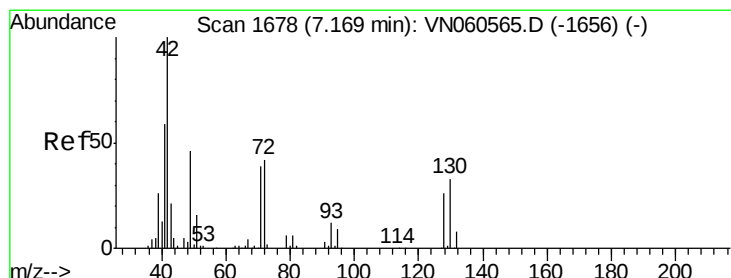
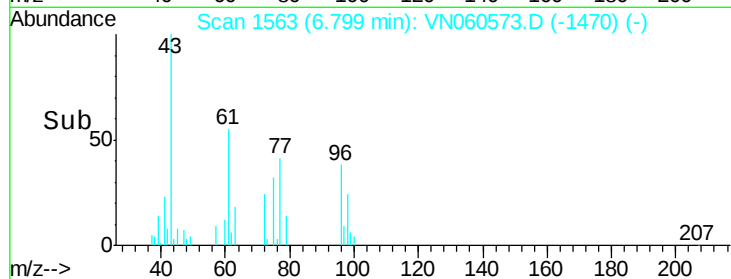
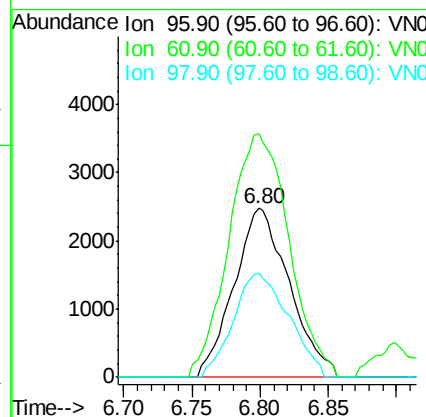
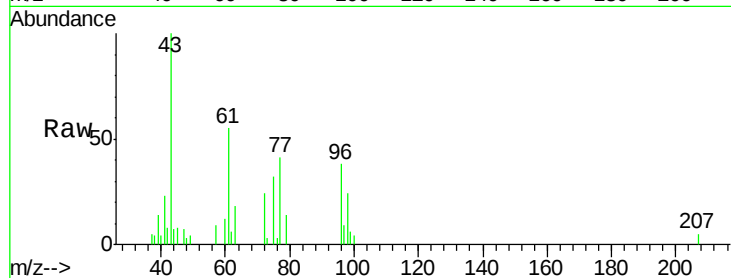
Instrument :  
MSVOA\_N

ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 156.6 | 0.0   | 305.6 |
| 98      | 61.6  | 0.0   | 127.6 |

Manual Integrations  
APPROVED

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#28

Bromochloromethane

Concen: 2.280 ug/l

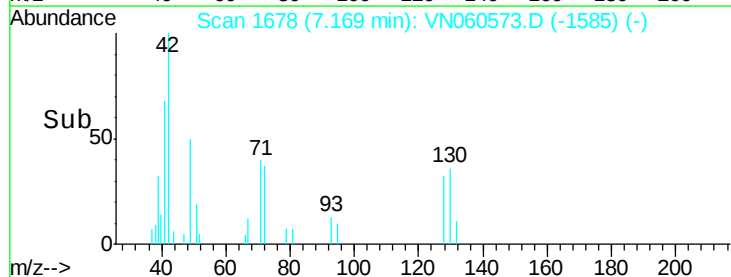
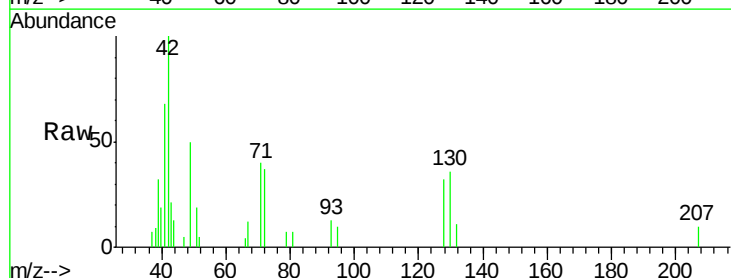
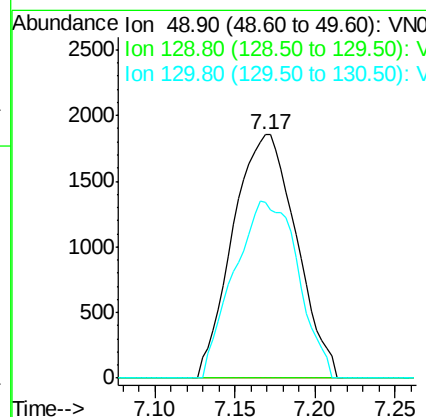
RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 3.4   |
| 130     | 73.6  | 55.0  | 82.4  |





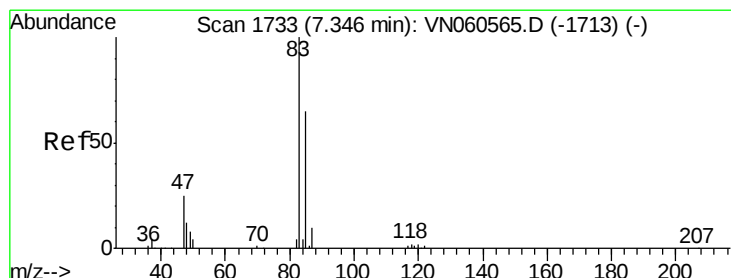
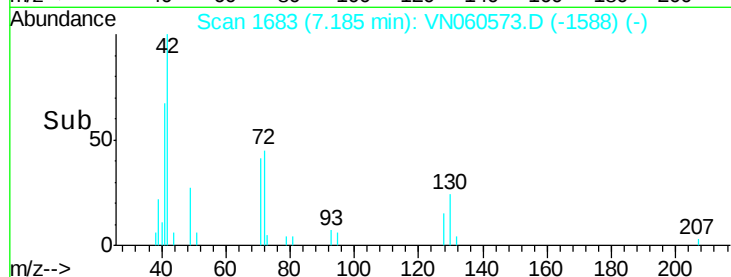
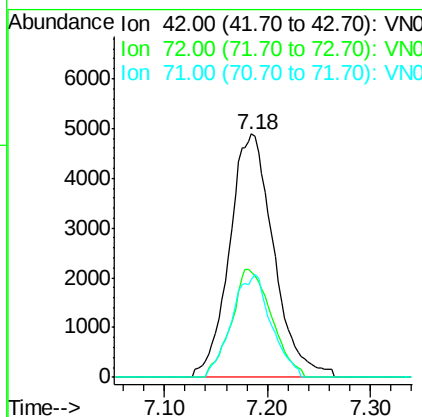
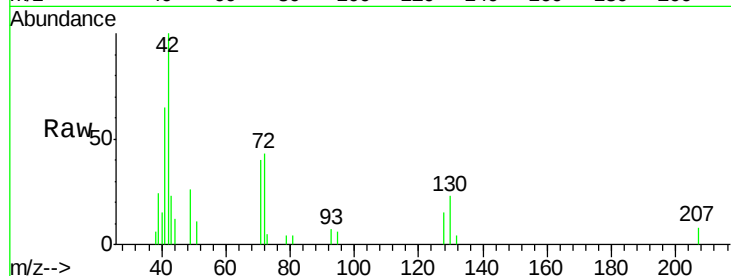
#29  
Tetrahydrofuran  
Concen: 12.405 ug/l  
RT: 7.18 min Scan# 1683  
Delta R.T. 0.01 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.5  | 33.2  | 49.8  |
| 71      | 37.9  | 31.1  | 46.7  |

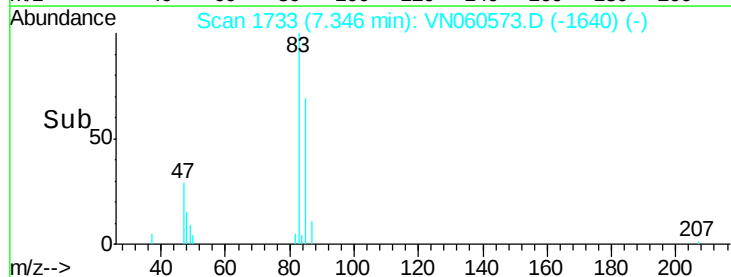
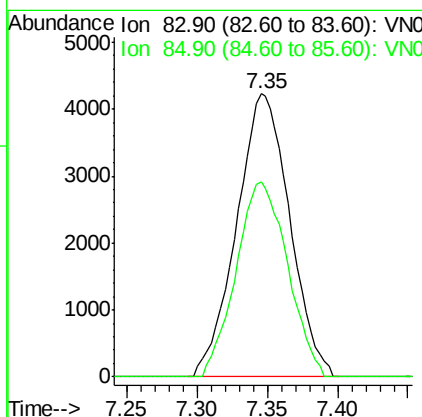
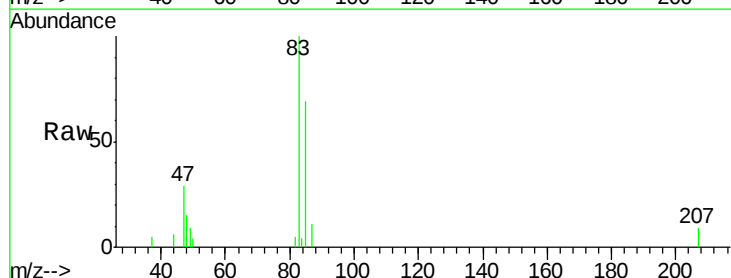
Manual Integrations  
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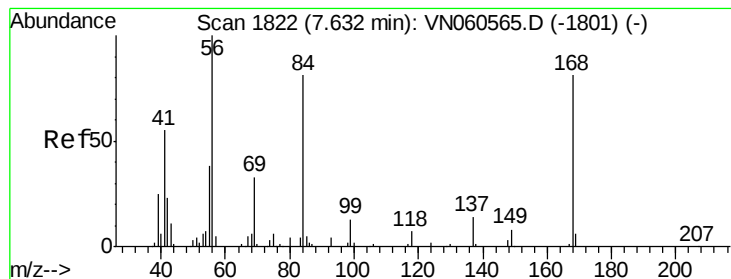
MMDadoda  
3/19/2020 1:02:24 PM



#30  
Chloroform  
Concen: 2.506 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 69.0  | 51.8  | 77.8  |





#31

Cyclohexane

Concen: 3.294 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 56 Resp: 15347

Ion Ratio Lower Upper

56 100

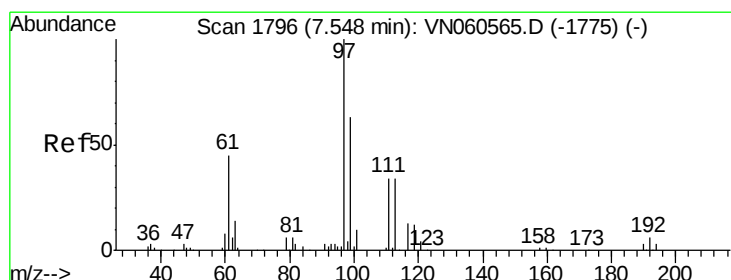
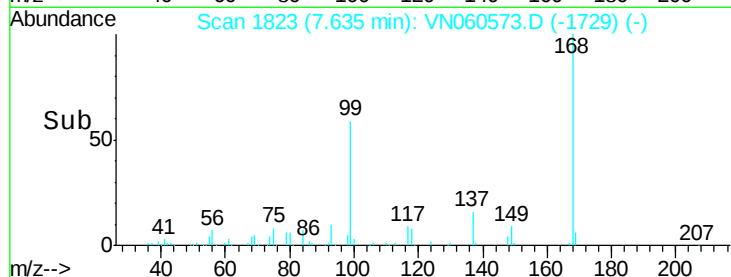
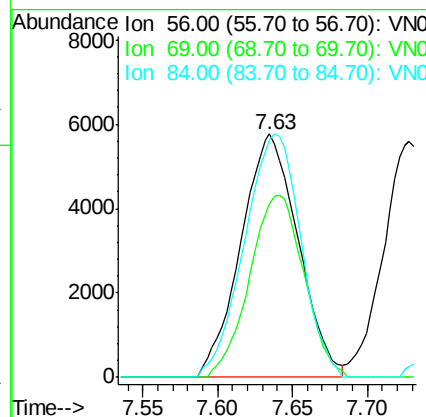
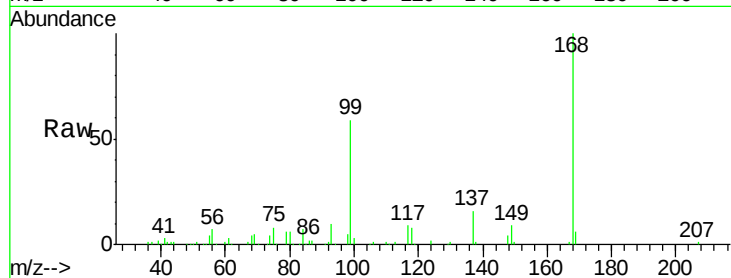
69 71.1 26.6 40.0#

84 97.3 64.3 96.5#

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 2.540 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

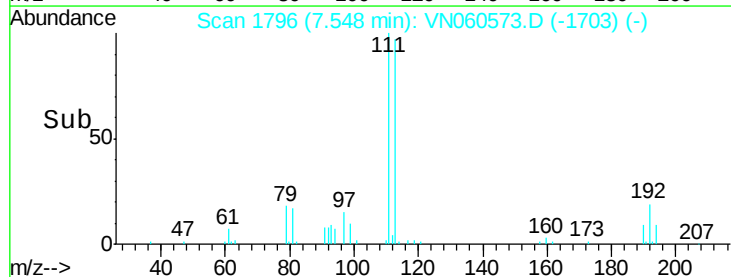
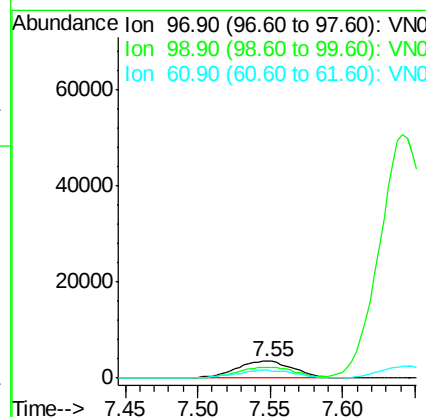
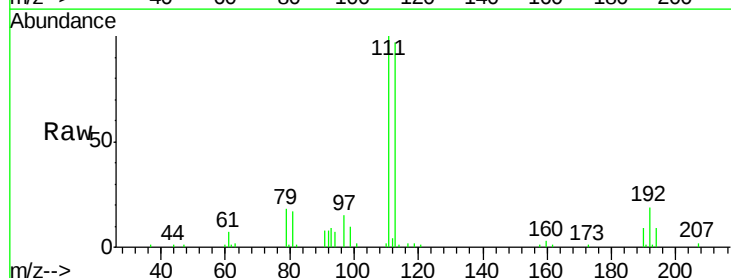
Tgt Ion: 97 Resp: 9703

Ion Ratio Lower Upper

97 100

99 63.8 50.6 75.8

61 46.8 36.2 54.4





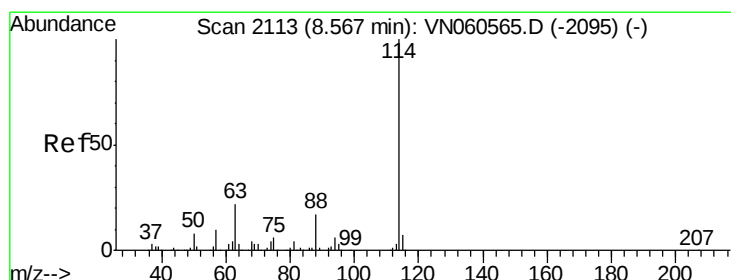
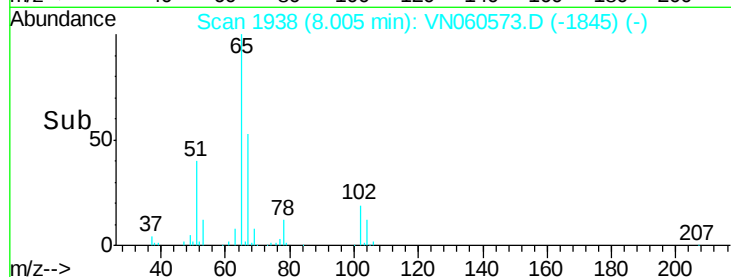
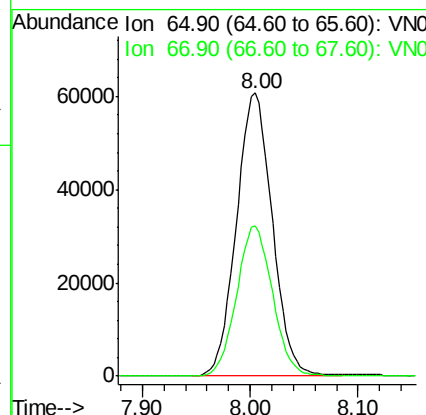
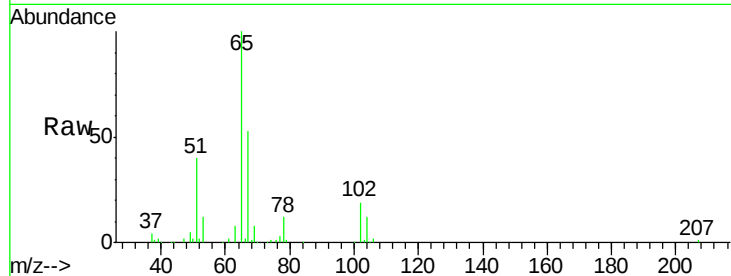
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.671 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 140811 |       |       |
| 67      | 52.9  | 0.0    | 107.6 |       |

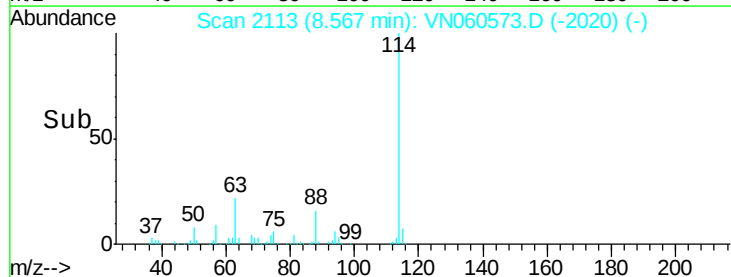
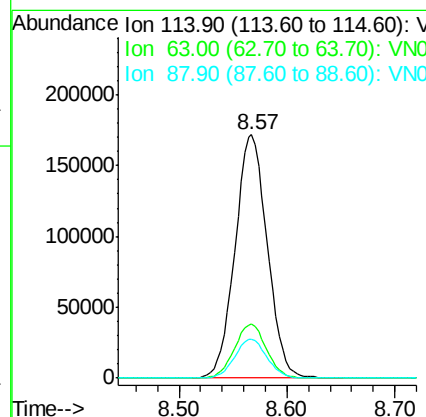
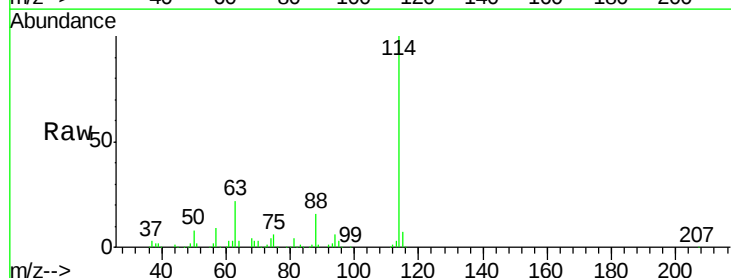
Manual Integrations  
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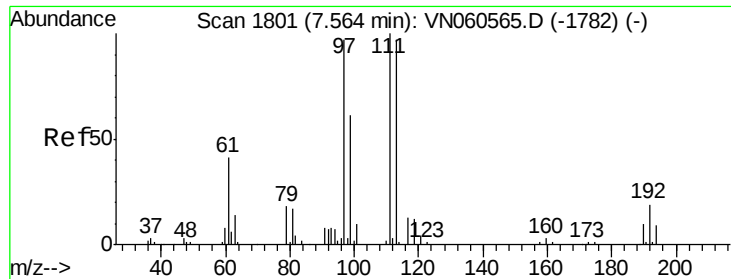
MMDadoda  
 3/19/2020 1:02:24 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 357250 |       |       |
| 63      | 22.3  | 0.0    | 43.8  |       |
| 88      | 16.1  | 0.0    | 33.0  |       |





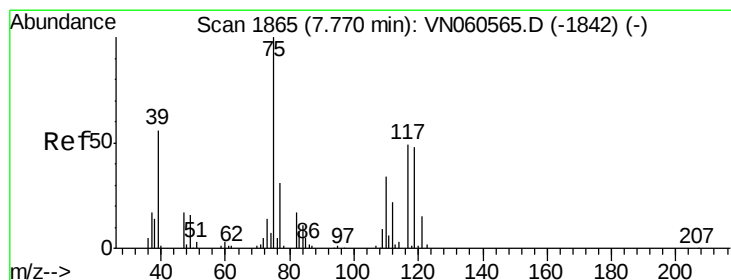
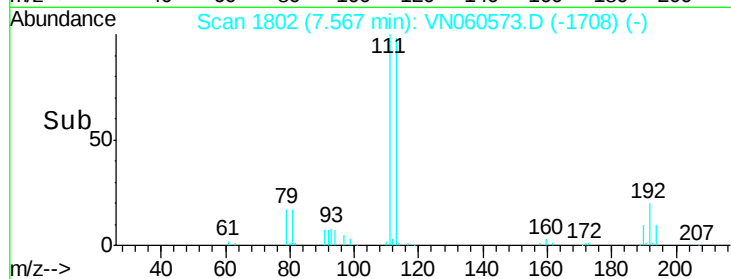
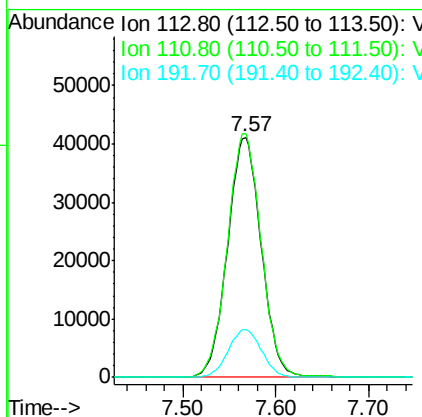
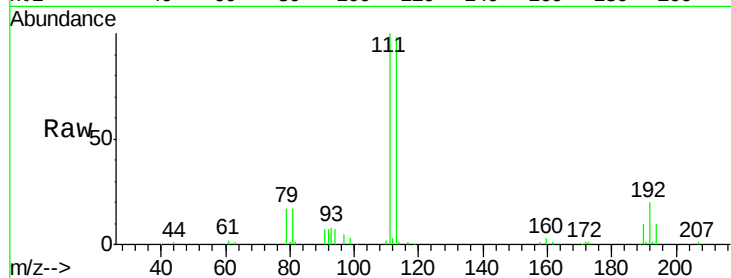
#35  
Dibromofluoromethane  
Concen: 48.034 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. 0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 101.5 | 82.9 | 124.3 |       |
| 192     | 19.7  | 15.8 | 23.8  |       |

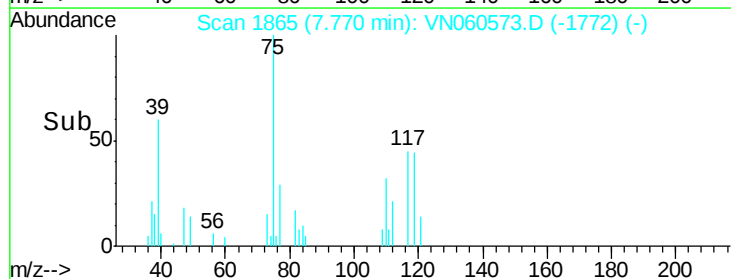
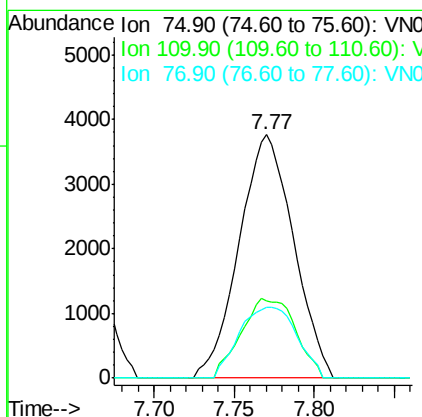
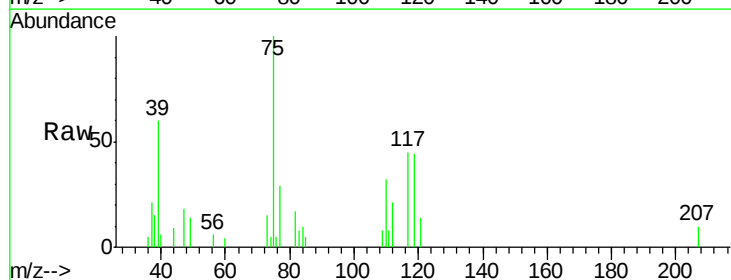
Manual Integrations  
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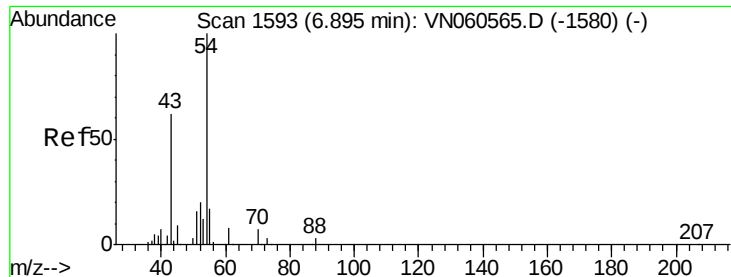
MMDadoda  
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#36  
1,1-Dichloropropene  
Concen: 2.541 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 32.5  | 16.9 | 50.6  |       |
| 77      | 30.8  | 24.6 | 36.8  |       |





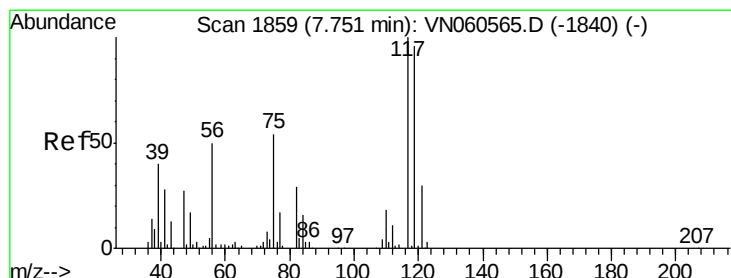
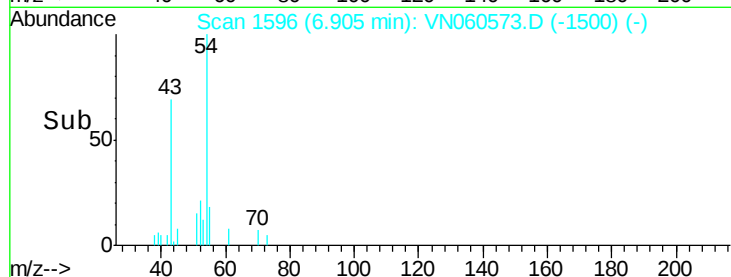
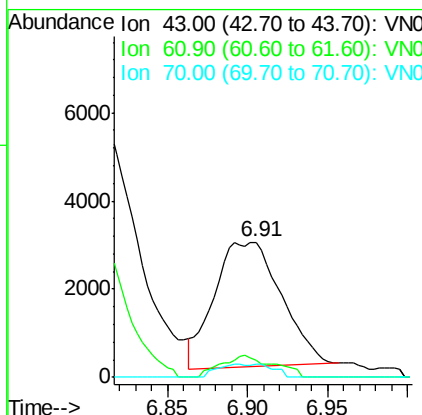
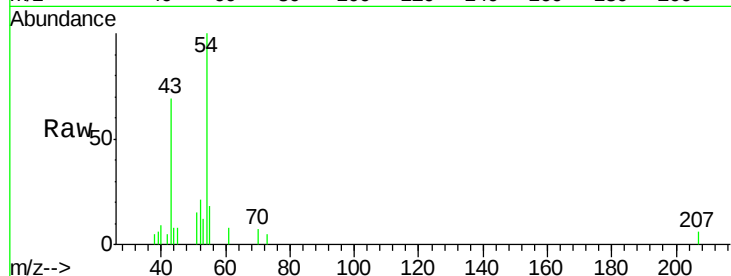
#37  
Ethyl Acetate  
Concen: 2.190 ug/l  
RT: 6.91 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.8  | 10.6  | 15.8  |
| 70      | 5.3   | 7.9   | 11.9  |

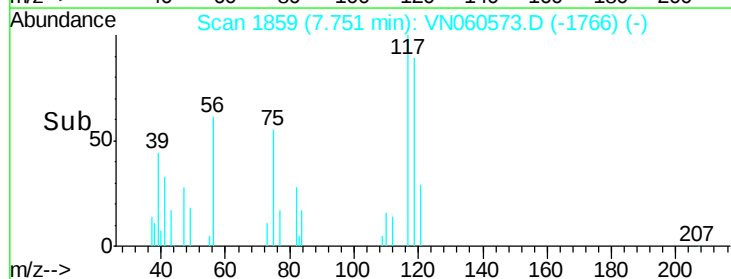
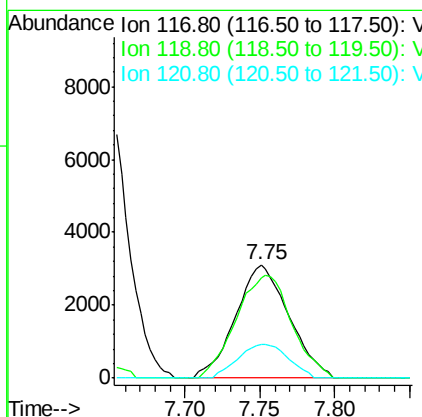
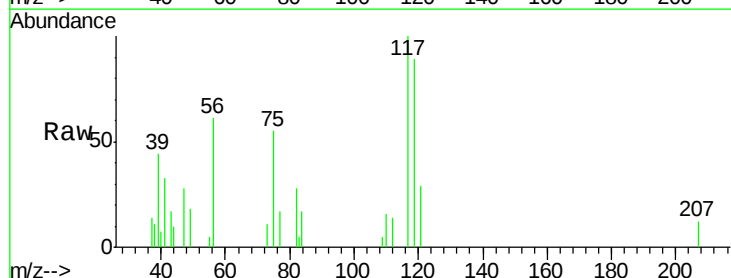
Manual Integrations  
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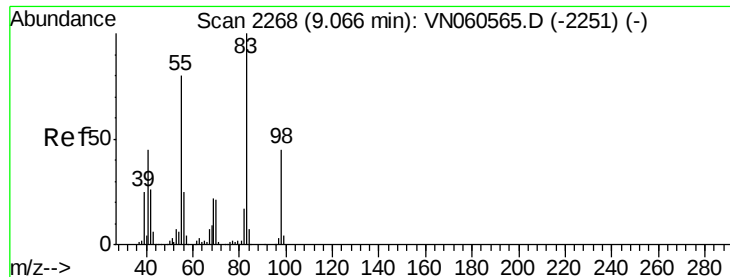
MMDadoda  
3/19/2020 1:02:24 PM



#38  
Carbon Tetrachloride  
Concen: 2.488 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 88.9  | 76.2  | 114.2 |
| 121     | 29.5  | 23.7  | 35.5  |





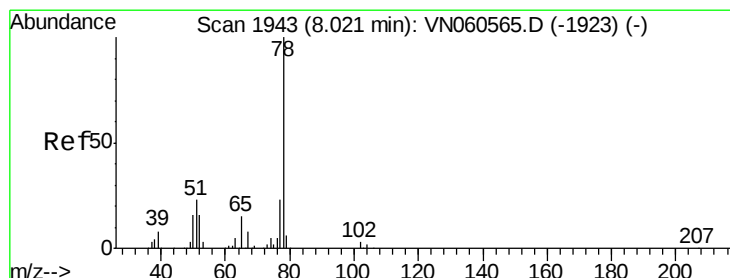
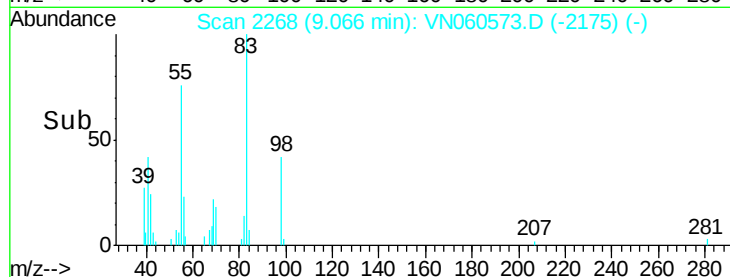
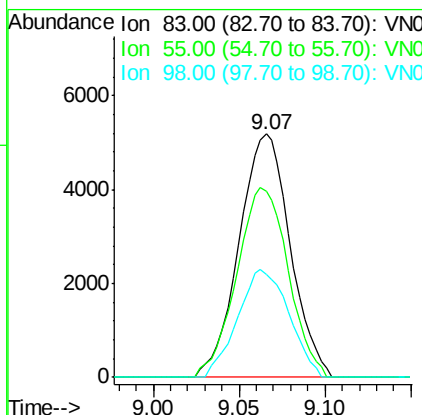
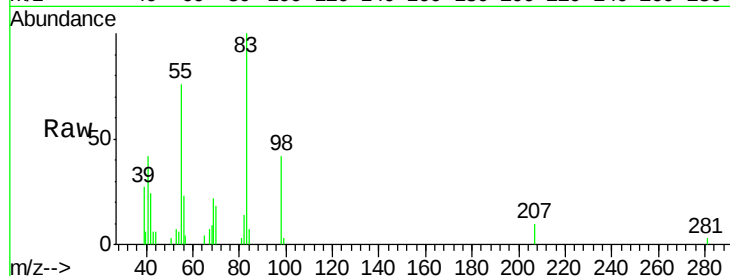
#39  
Methvlcvclohexane  
Concen: 2.606 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion   | 83    | Resp  | 10714 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 76.5  | 63.6  | 95.4  |
| 98        | 42.2  | 36.0  | 54.0  |

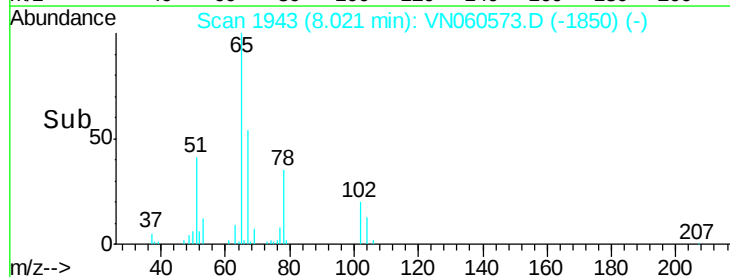
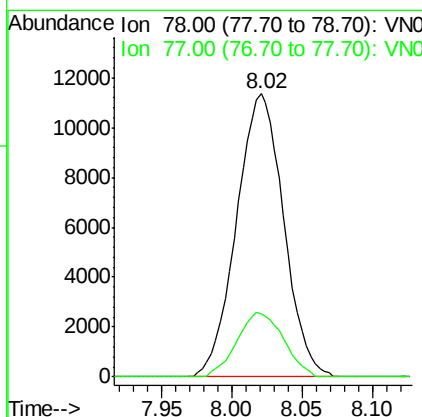
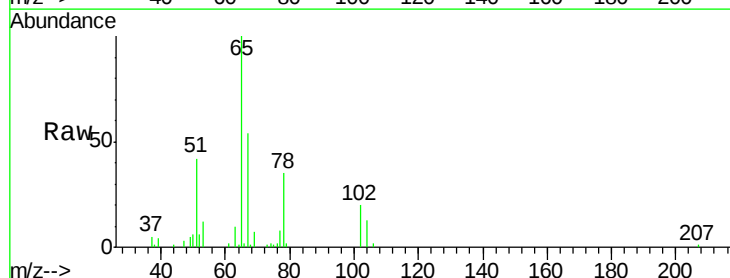
Manual Integrations  
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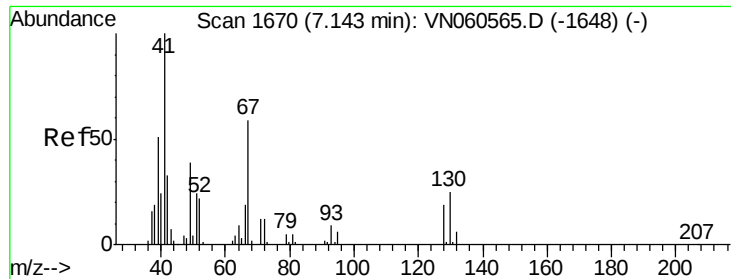
MMDadoda  
3/19/2020 1:02:24 PM



#40  
Benzene  
Concen: 2.536 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion   | 78    | Resp  | 26480 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 78        | 100   |       |       |
| 77        | 22.5  | 18.6  | 28.0  |





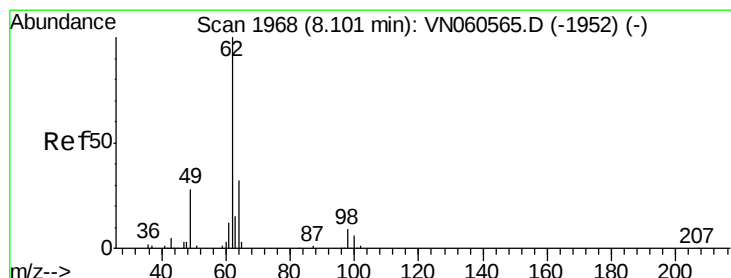
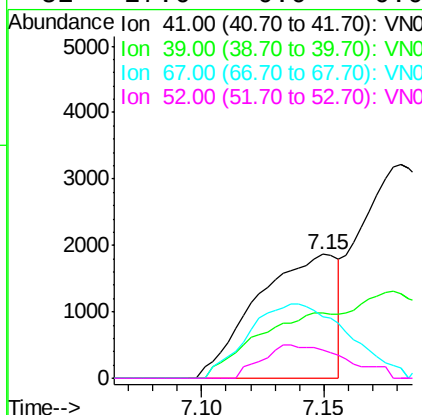
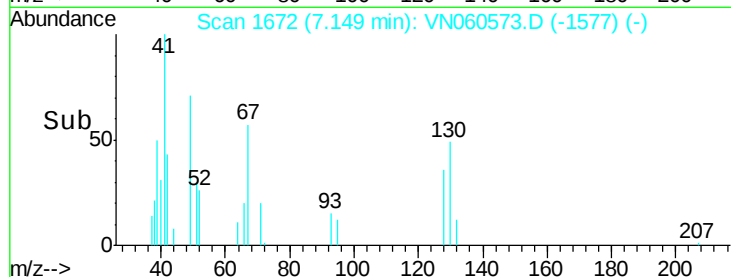
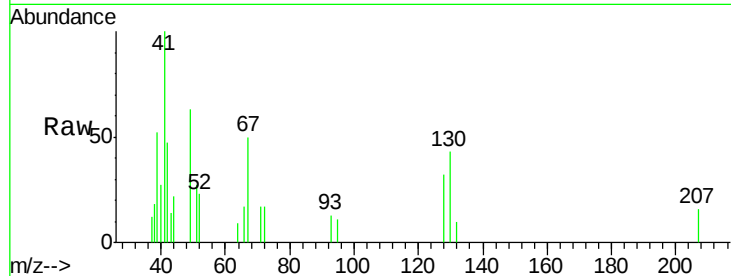
#41  
Methacrylonitrile  
Concen: 2.684 ug/l  
RT: 7.15 min Scan# 1672  
Delta R.T. 0.01 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 41      | 100  |       | 4281 |       |       |
| 39      | 48.4 | 0.0   | 0.0# |       |       |
| 67      | 74.7 | 0.0   | 0.0# |       |       |
| 52      | 27.6 | 0.0   | 0.0# |       |       |

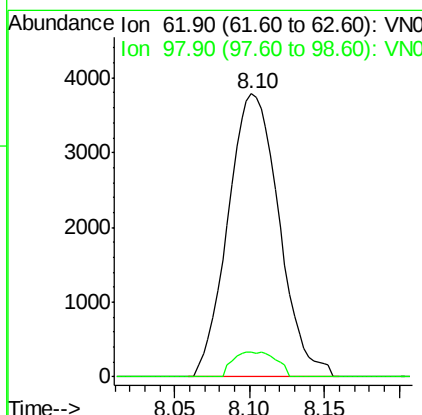
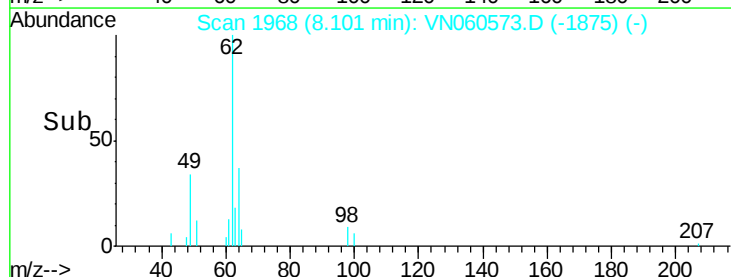
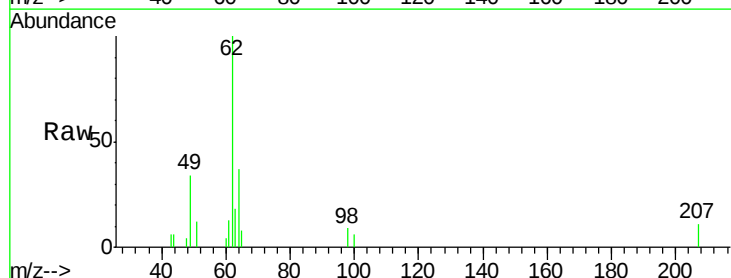
Manual Integrations  
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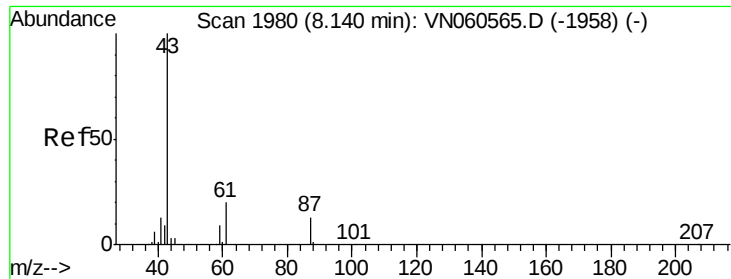
MMDadoda  
3/19/2020 1:02:24 PM



#42  
1,2-Dichloroethane  
Concen: 2.520 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 62      | 100 |       | 8993 |       |       |
| 98      | 7.4 | 0.0   | 17.8 |       |       |





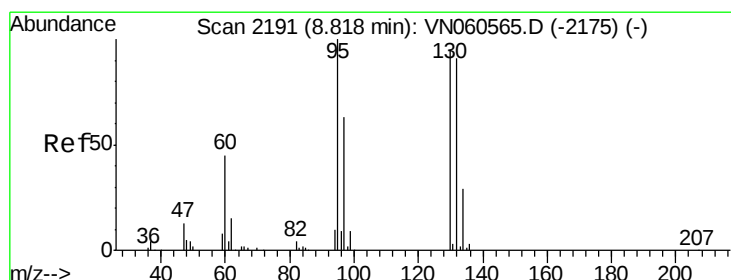
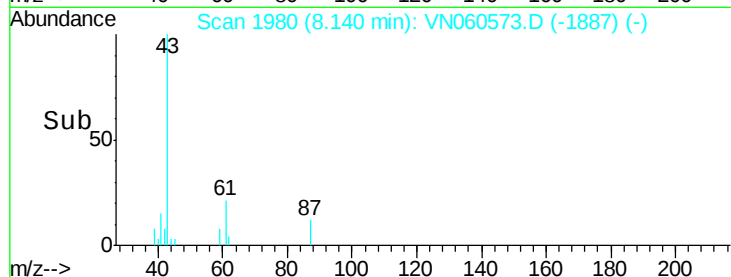
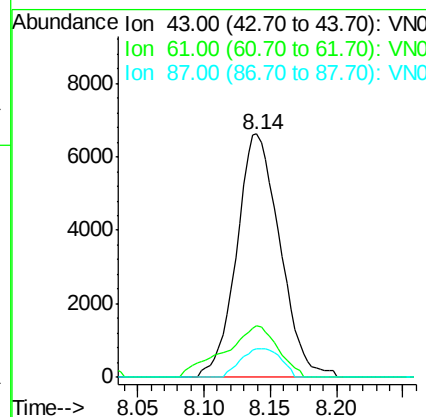
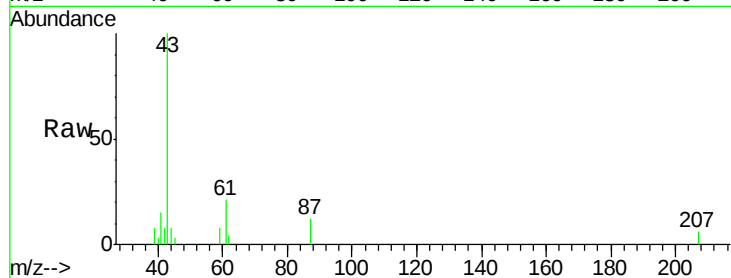
#43  
Isopropyl Acetate  
Concen: 2.435 ug/l  
RT: 8.14 min Scan# 1980  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.1  | 20.7  | 31.1  |
| 87      | 10.8  | 9.8   | 14.8  |

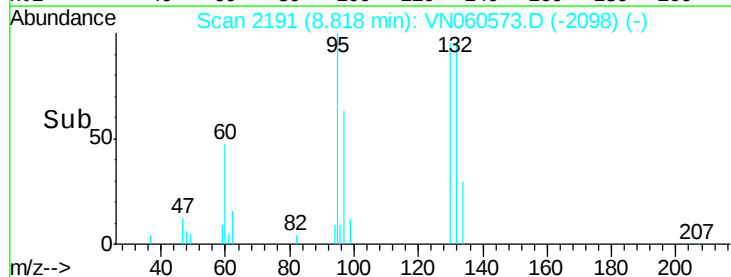
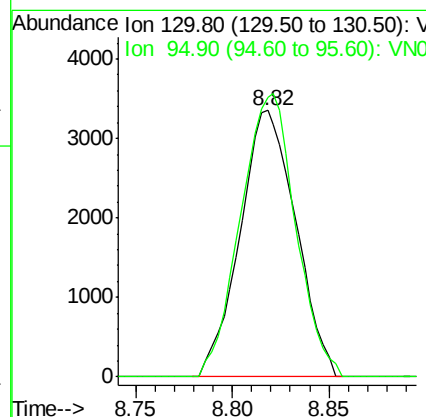
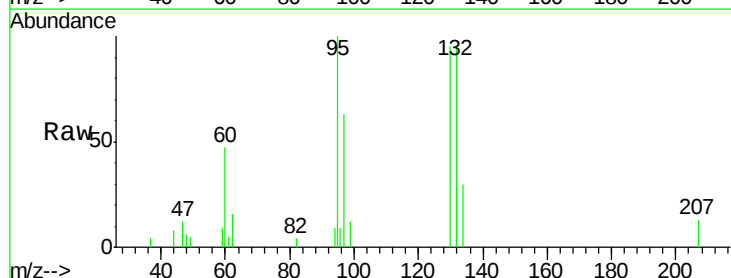
Manual Integrations  
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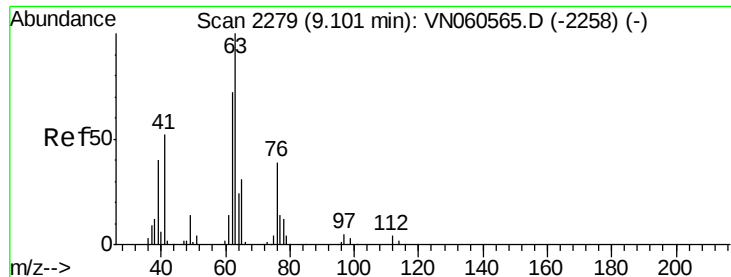
MMDadoda  
3/19/2020 1:02:24 PM



#44  
Trichloroethene  
Concen: 2.560 ug/l  
RT: 8.82 min Scan# 2191  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 104.9 | 0.0   | 211.2 |





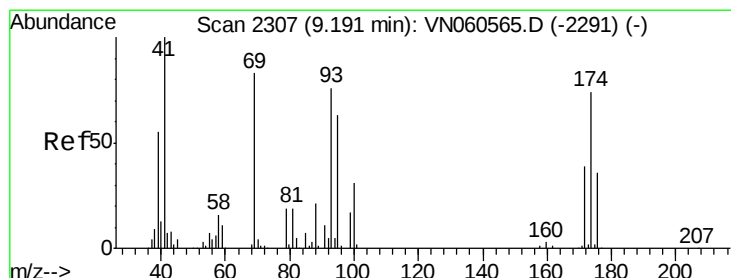
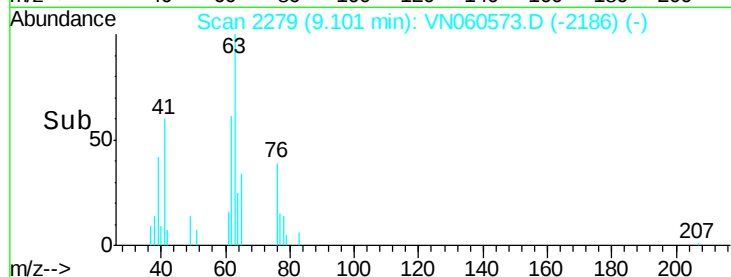
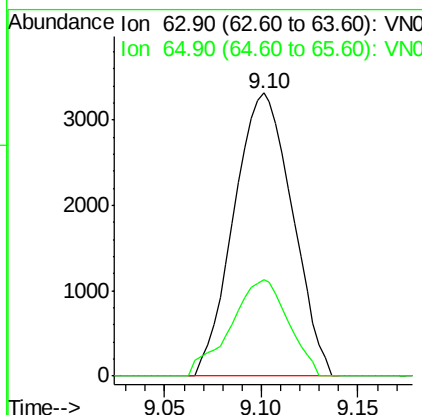
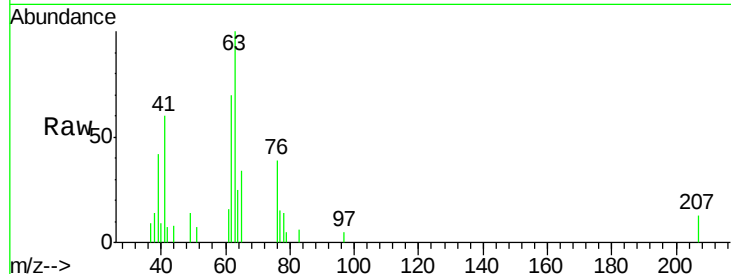
#45  
 1,2-Dichloropropane  
 Concen: 2.527 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2020

Tot Ion: 63 Resp: 6963  
 Ion Ratio Lower Upper  
 63 100  
 65 34.1 25.4 38.0

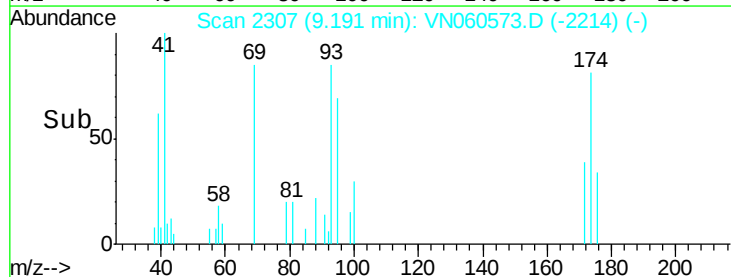
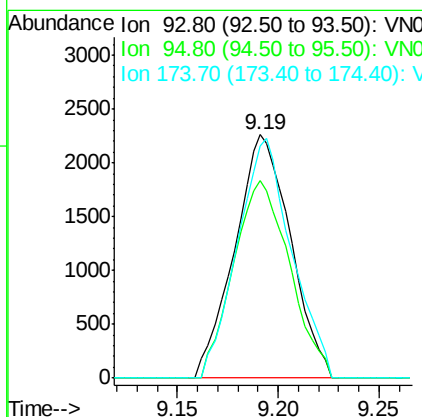
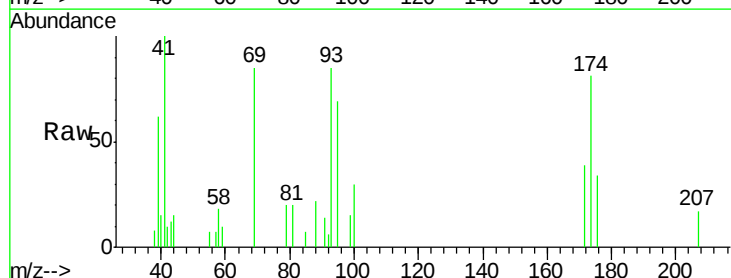
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#46  
 Dibromomethane  
 Concen: 2.615 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

Tgt Ion: 93 Resp: 4357  
 Ion Ratio Lower Upper  
 93 100  
 95 81.6 66.2 99.4  
 174 95.6 77.9 116.9





#47

Bromodichloromethane

Concen: 2.519 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

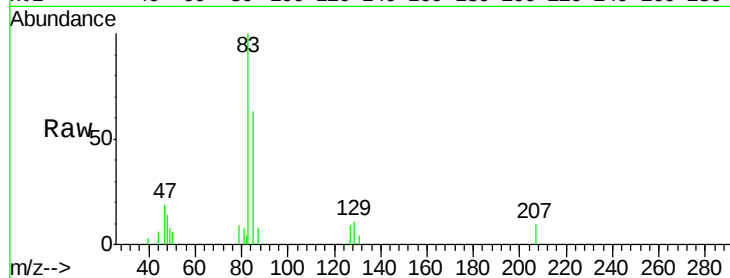
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 8721  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.2  | 51.8  | 77.6  |
| 127      | 8.6   | 6.5   | 9.7   |

Manual Integrations  
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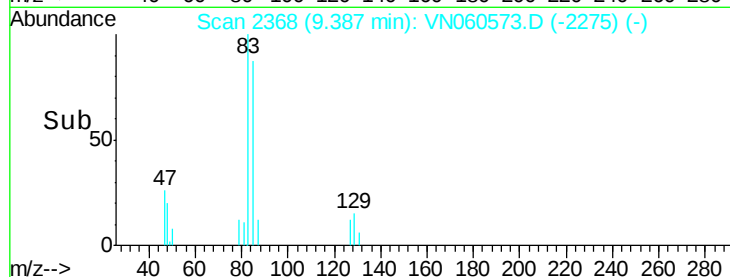


Abundance Ion 82.90 (82.60 to 83.60): VN060573.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060573.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060573.D (-2275) (-)

Time-->

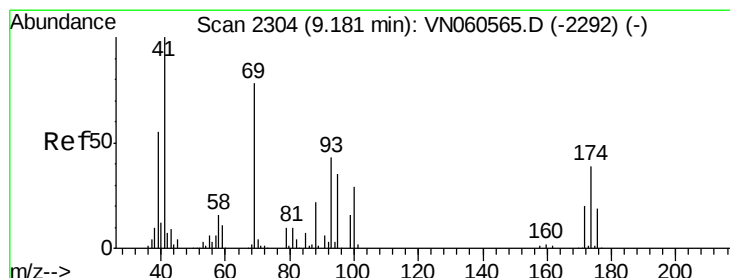


Abundance Ion 82.90 (82.60 to 83.60): VN060573.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060573.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060573.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 2.372 ug/l

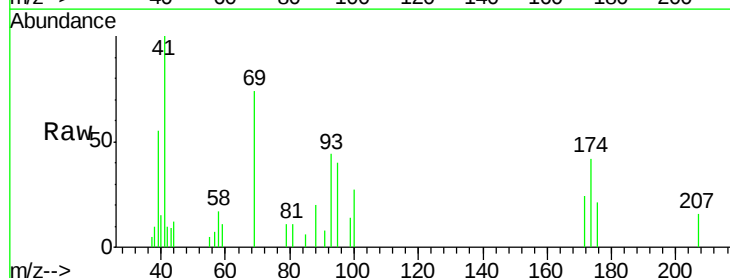
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 6510  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 75.9  | 65.4  | 98.0  |
| 39       | 61.0  | 44.0  | 66.0  |

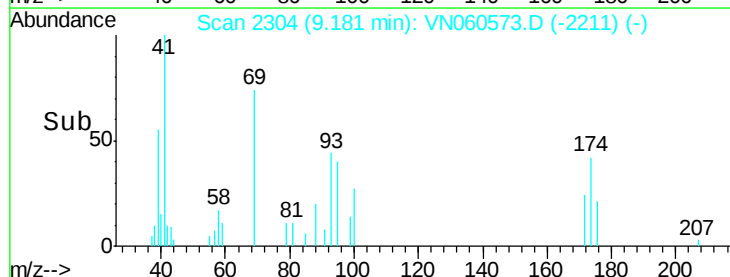


Abundance Ion 41.00 (40.70 to 41.70): VN060573.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060573.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060573.D (-2211) (-)

Time-->



Abundance Ion 41.00 (40.70 to 41.70): VN060573.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060573.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060573.D (-2211) (-)

Time-->



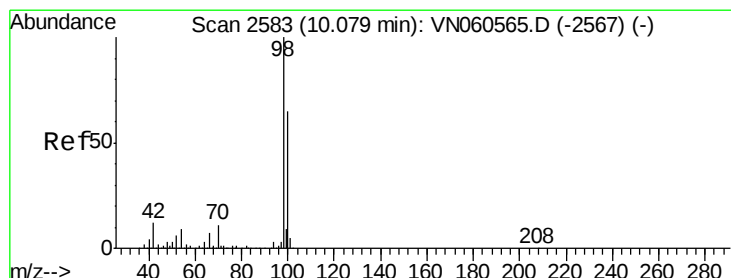
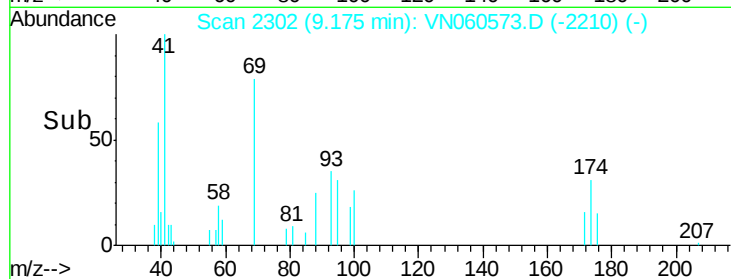
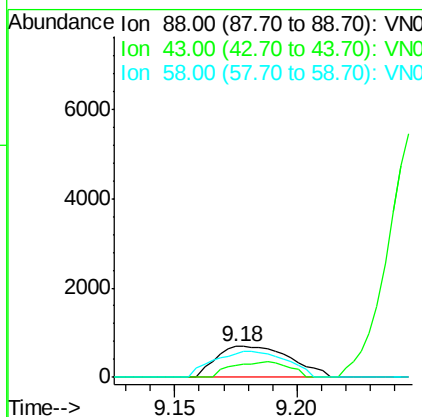
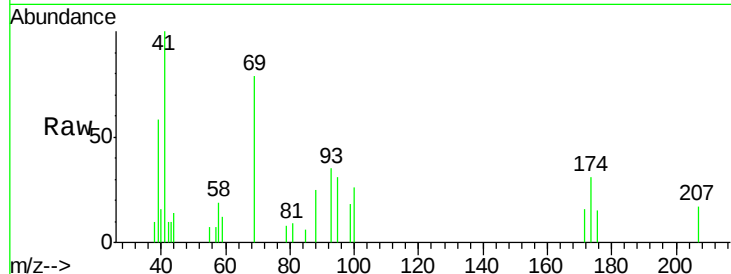
#49  
1,4-Dioxane  
Concen: 45.092 ug/l  
RT: 9.18 min Scan# 2302  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 38.2  | 30.8  | 46.2  |
| 58      | 81.2  | 59.8  | 89.8  |

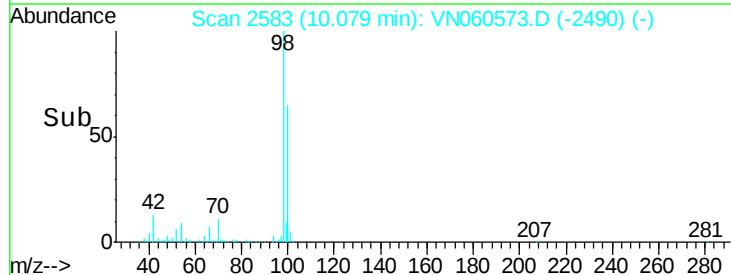
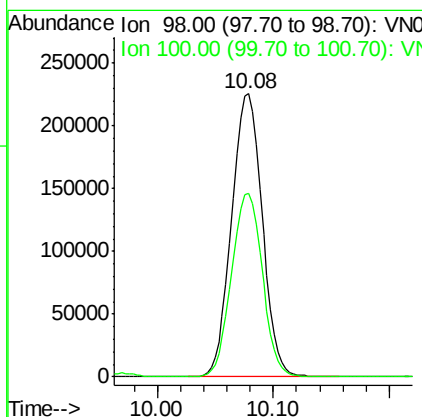
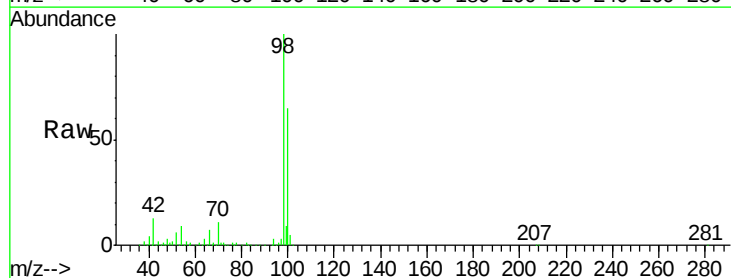
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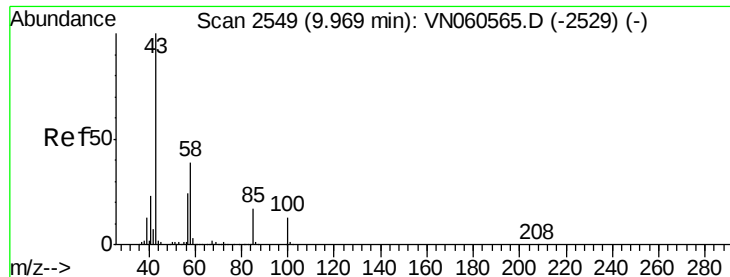
MMDadoda  
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#50  
Toluene-d8  
Concen: 46.859 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.2  | 51.8  | 77.8  |





#51

4-Methyl-2-Pentanone

Concen: 11.922 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 41819

Ion Ratio Lower Upper

43 100

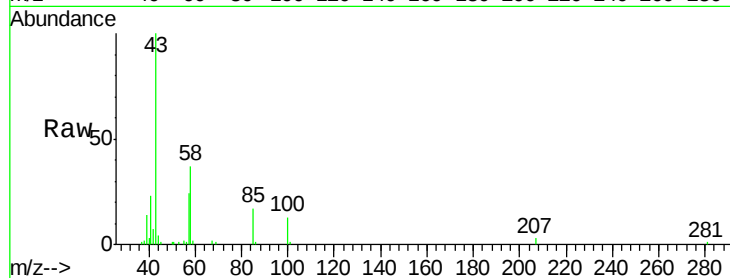
58 38.0 30.8 46.2

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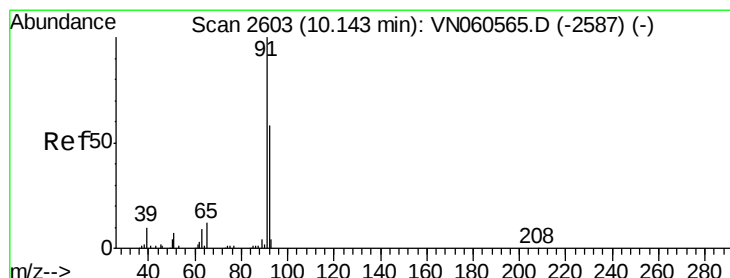
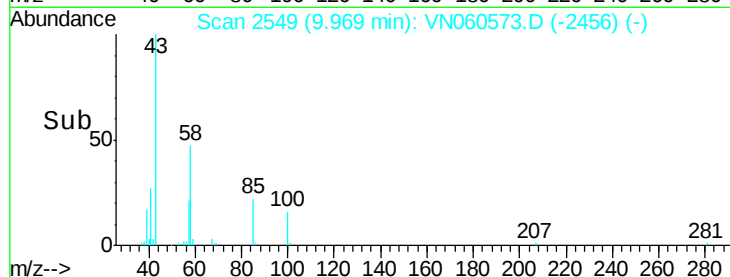
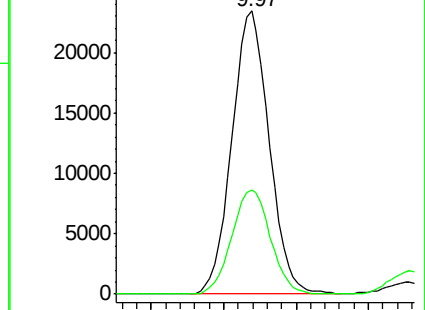
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Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)



#52

Toluene

Concen: 2.521 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060573.D

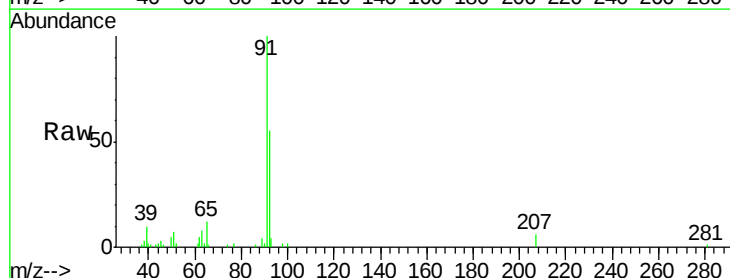
Acq: 17 Mar 2020 22:59

Tgt Ion: 92 Resp: 15897

Ion Ratio Lower Upper

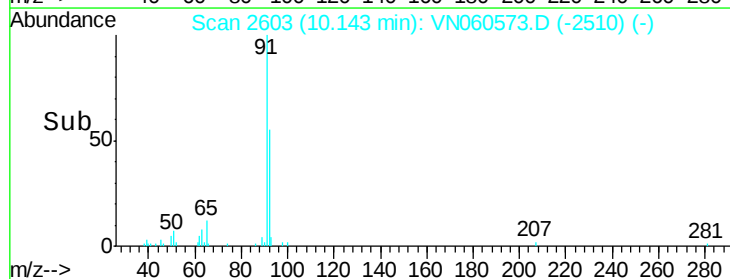
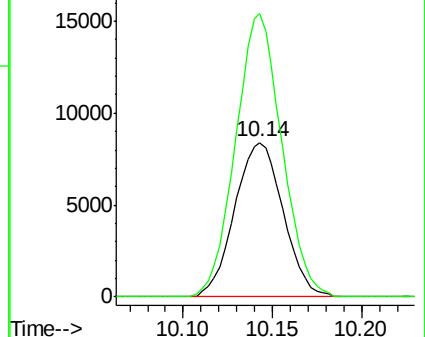
92 100

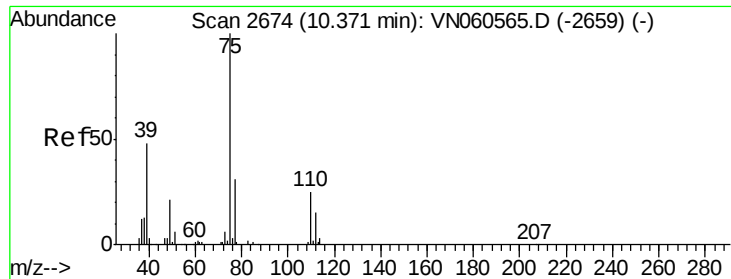
91 175.3 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)





#53

t-1,3-Dichloropropene

Concen: 2.521 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 75 Resp: 10023

Ion Ratio Lower Upper

75 100

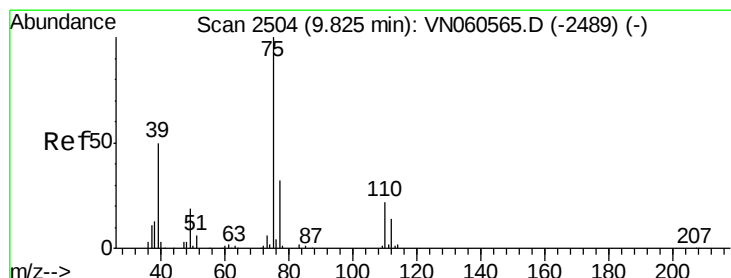
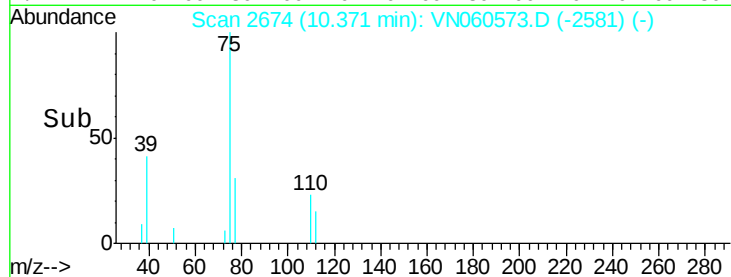
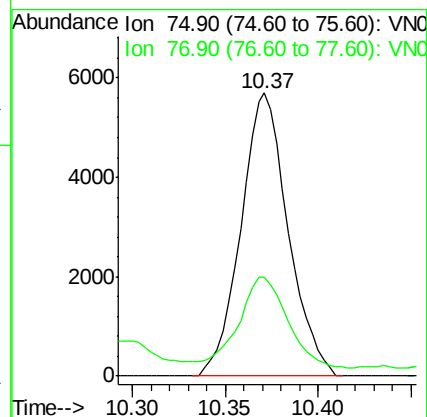
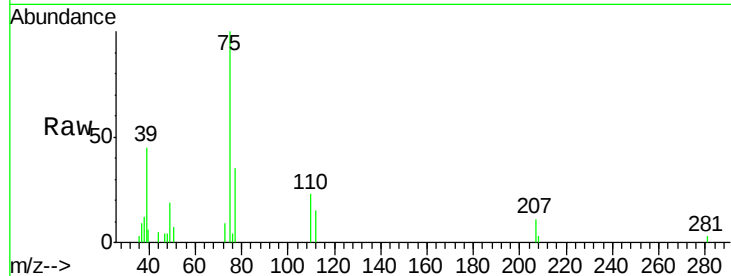
77 31.9 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 2.455 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

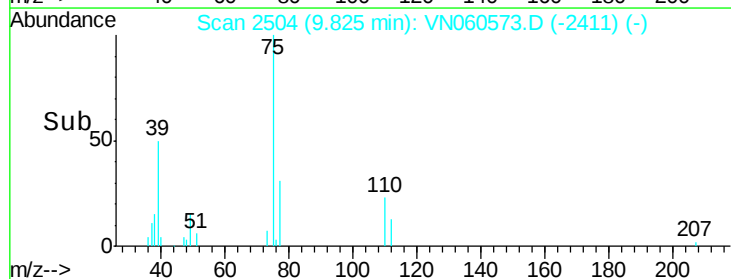
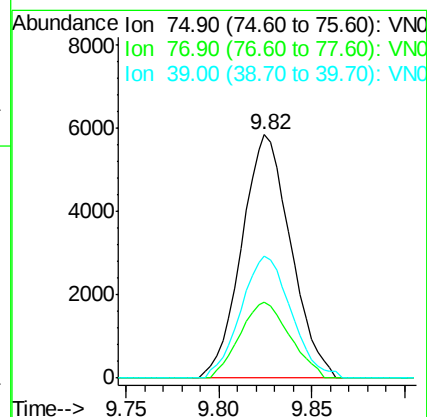
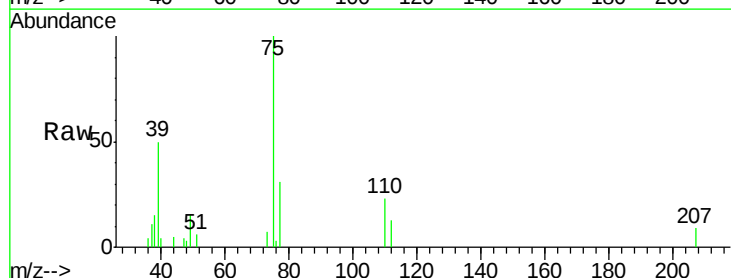
Tgt Ion: 75 Resp: 10708

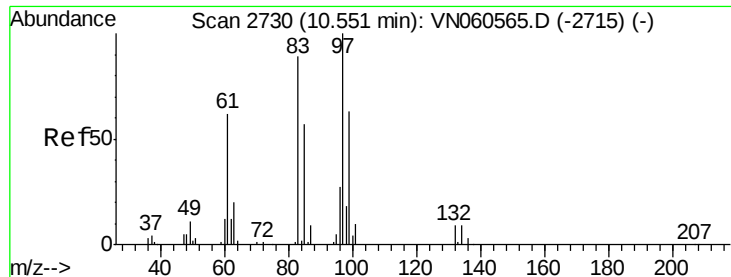
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 49.9 40.2 60.4





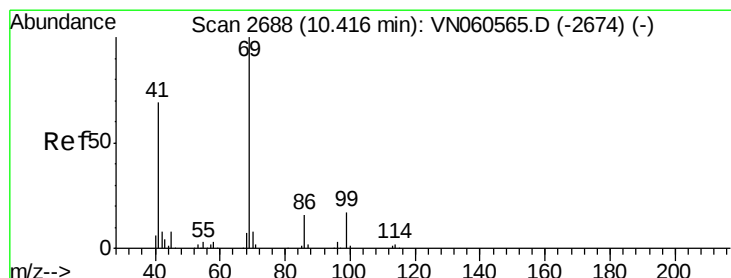
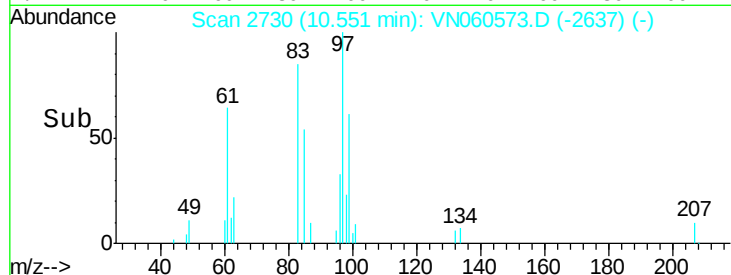
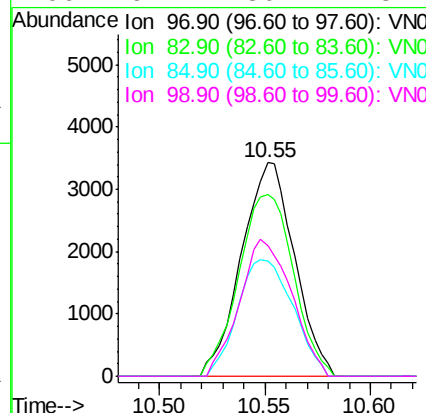
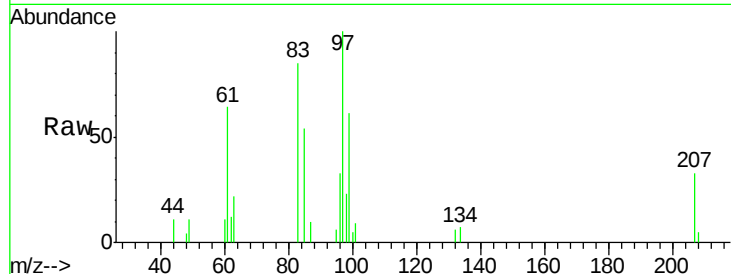
#55  
 1,1,2-Trichloroethane  
 Concen: 2.468 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 84.8  | 71.3  | 106.9 |
| 85      | 54.0  | 45.2  | 67.8  |
| 99      | 61.4  | 50.1  | 75.1  |

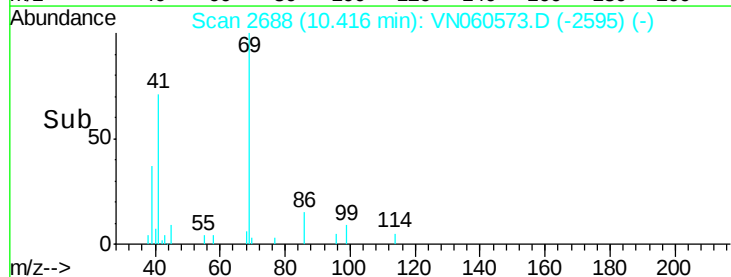
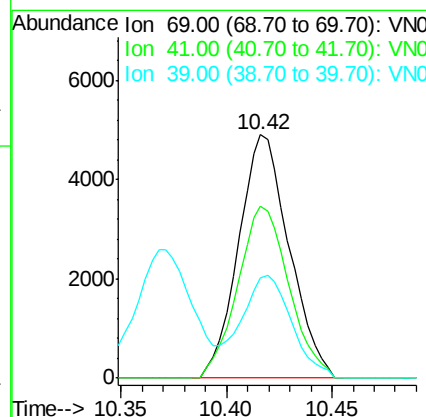
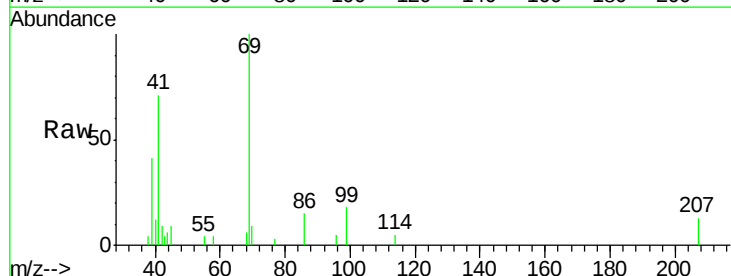
Manual Integrations  
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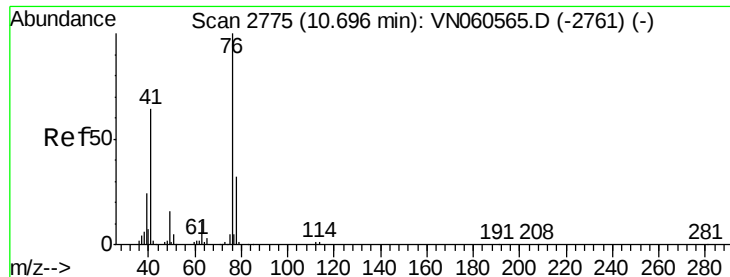
MMDadoda  
 3/19/2020 1:02:24 PM



#56  
 Ethyl methacrylate  
 Concen: 2.156 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 71.5  | 55.4  | 83.2  |
| 39      | 41.9  | 29.4  | 44.0  |





#57

1,3-Dichloropropane

Concen: 2.557 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 76 Resp: 10764

Ion Ratio Lower Upper

76 100

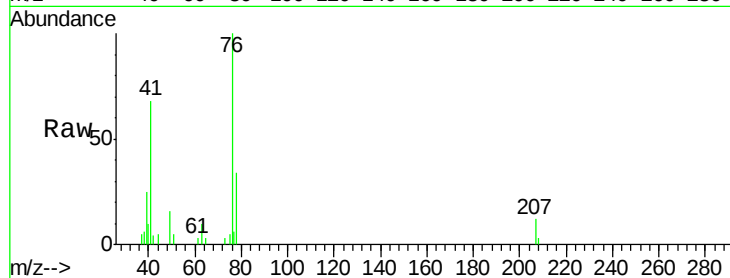
78 32.6 25.8 38.6

Manual Integrations

APPROVED

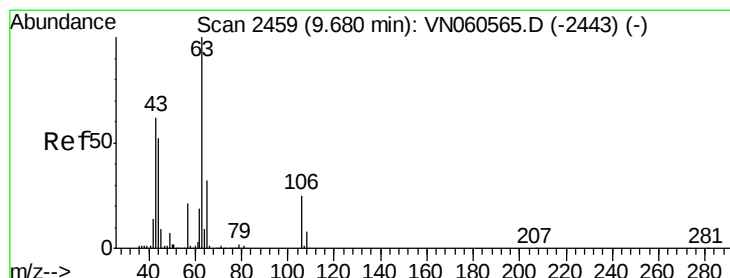
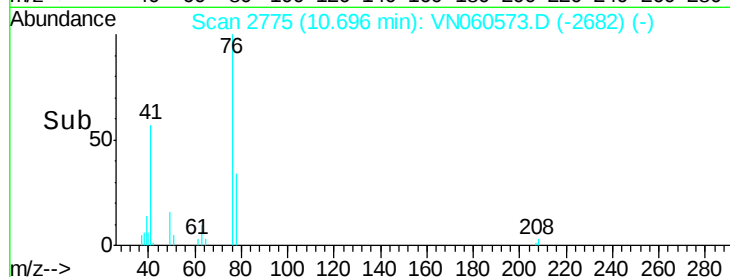
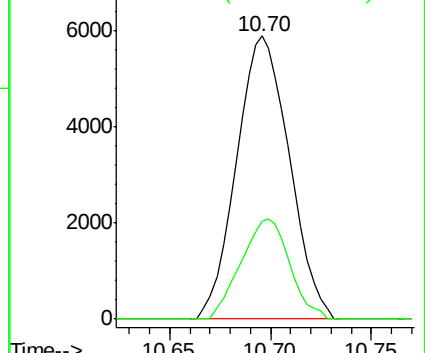
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 10.823 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060573.D

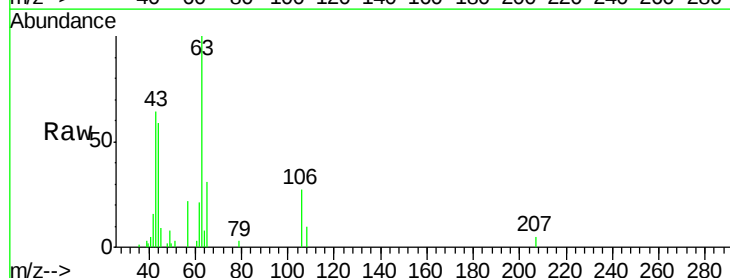
Acq: 17 Mar 2020 22:59

Tgt Ion: 63 Resp: 20350

Ion Ratio Lower Upper

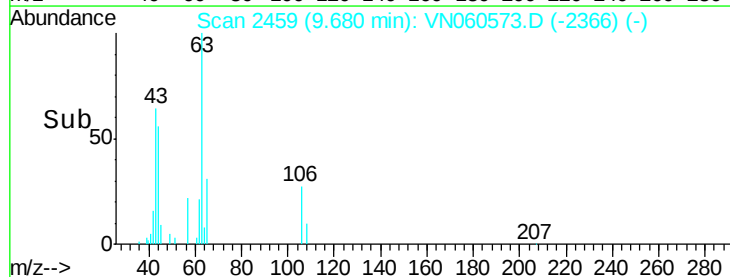
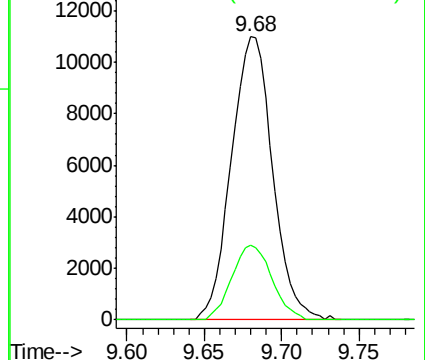
63 100

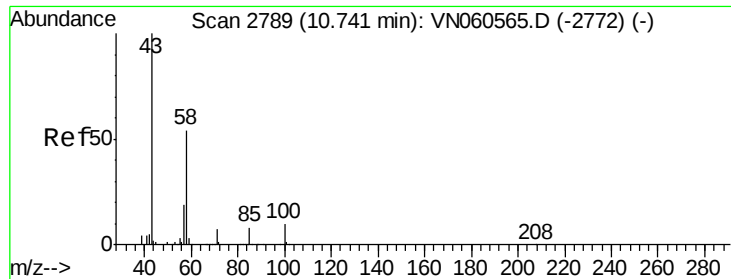
106 25.5 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





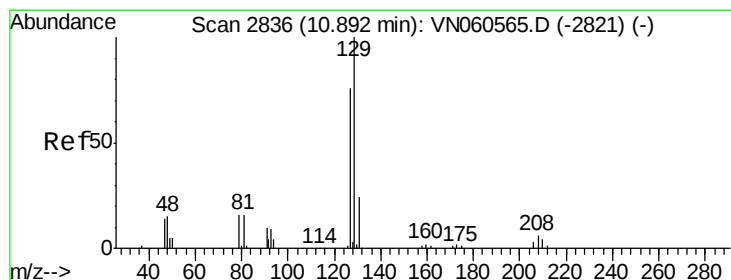
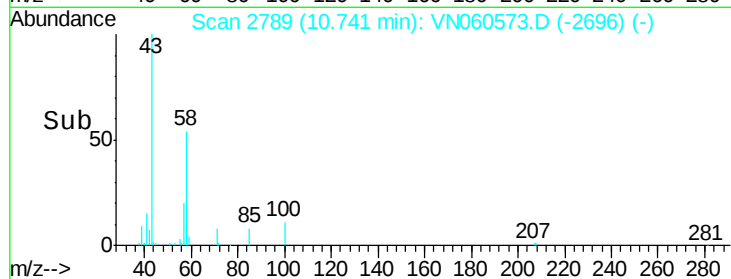
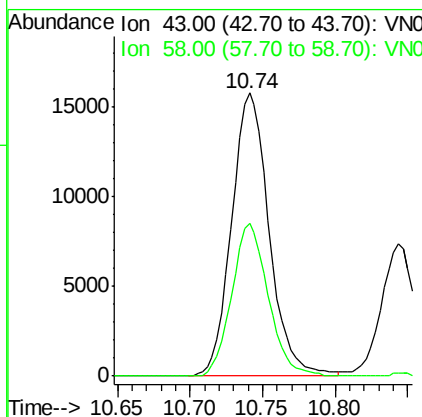
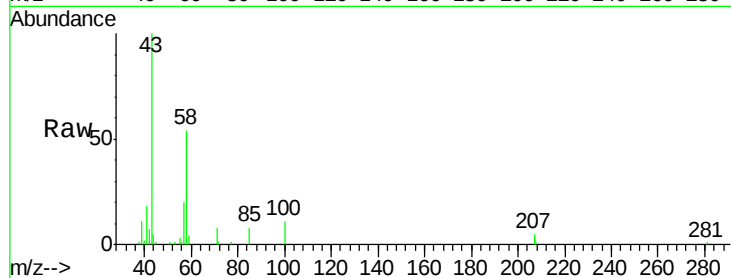
#59  
2-Hexanone  
Concen: 11.194 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion   | 43   | Resp  | 28286 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 43        | 100  |       |       |
| 58        | 52.1 | 26.7  | 80.1  |

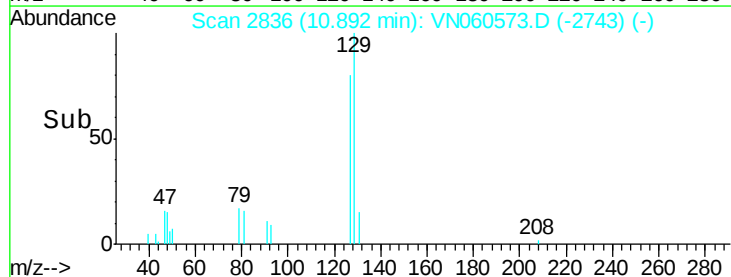
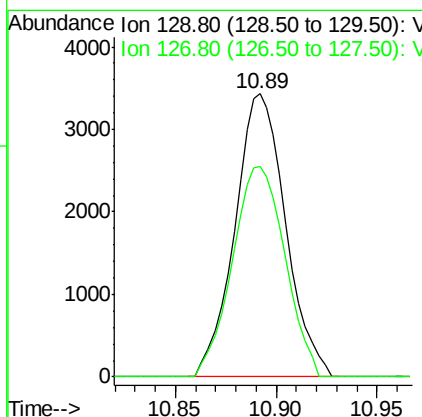
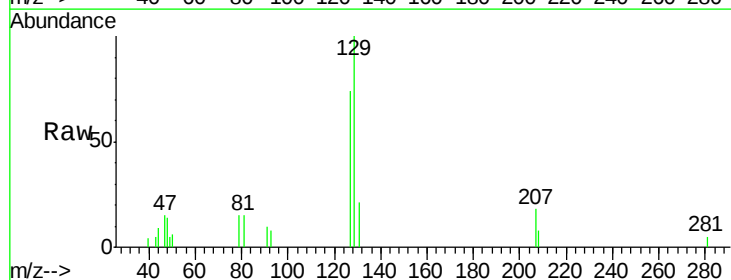
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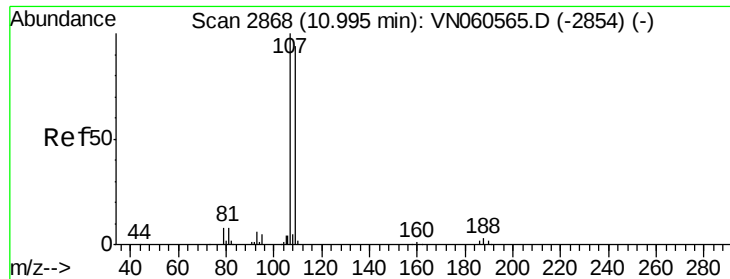
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 2.406 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion   | 129  | Resp  | 6030  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 129       | 100  |       |       |
| 127       | 76.9 | 38.5  | 115.5 |





#61

1,2-Dibromoethane

Concen: 2.463 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 107 Resp: 6008

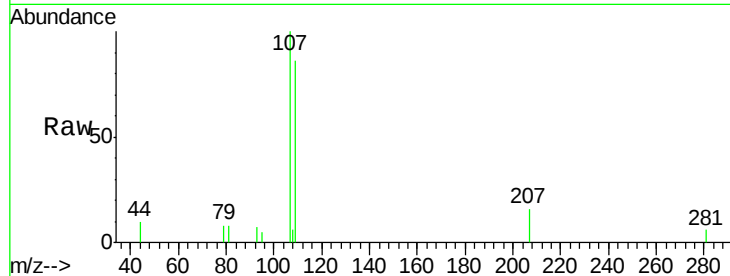
Ion Ratio Lower Upper

107 100

109 92.2 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

4000

3000

2000

1000

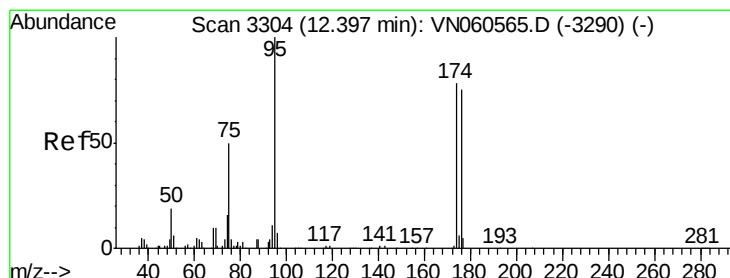
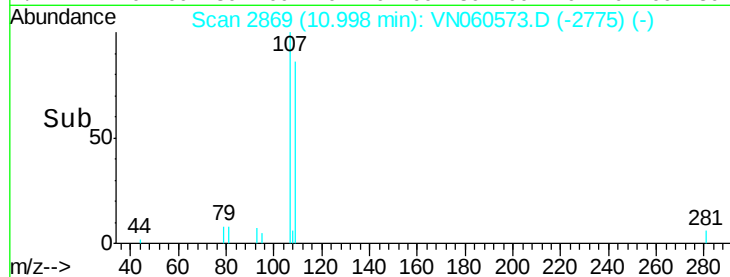
0

Time-->

10.95

11.00

11.05



#62

4-Bromofluorobenzene

Concen: 44.293 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

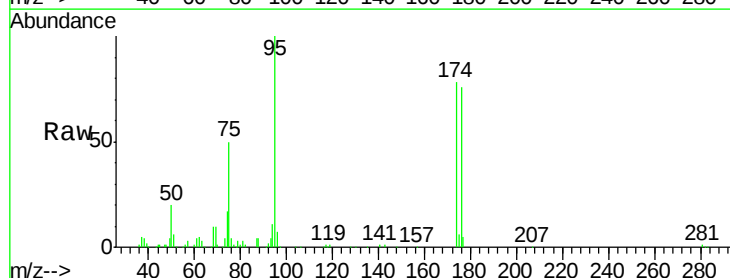
Tgt Ion: 95 Resp: 143228

Ion Ratio Lower Upper

95 100

174 77.9 0.0 157.6

176 75.4 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

120000

100000

80000

60000

40000

20000

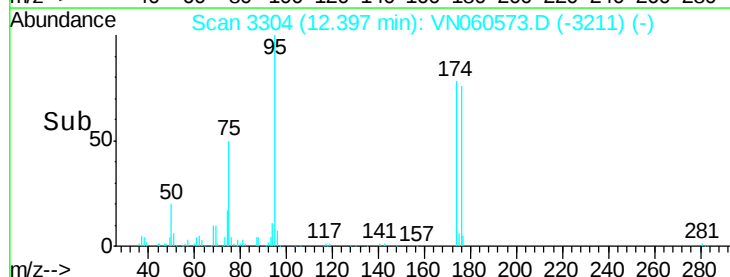
0

Time-->

12.35

12.40

12.45





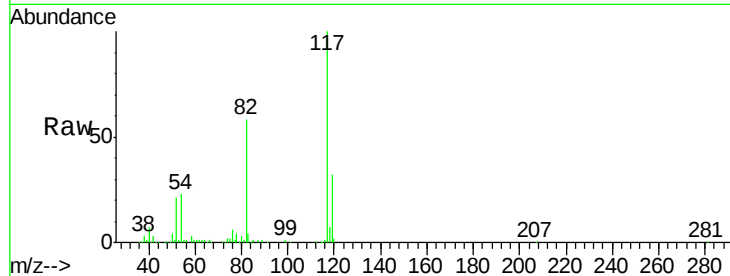
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 317056 |       |       |
| 82      | 57.6  | 46.7   | 70.1  |       |
| 119     | 32.2  | 25.5   | 38.3  |       |

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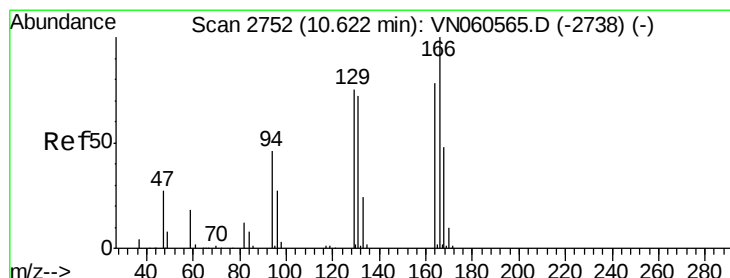
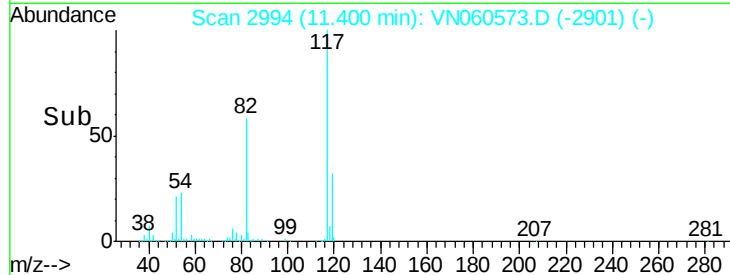
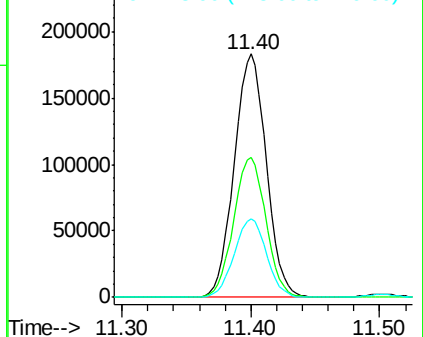


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 2.959 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 7383  |       |       |
| 166     | 117.4 | 102.7 | 154.1 |       |
| 129     | 90.2  | 77.2  | 115.8 |       |
| 131     | 84.4  | 73.8  | 110.6 |       |

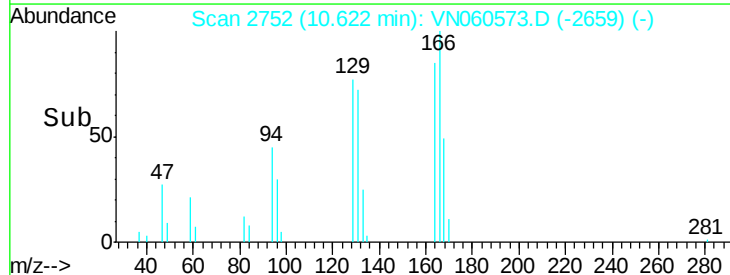
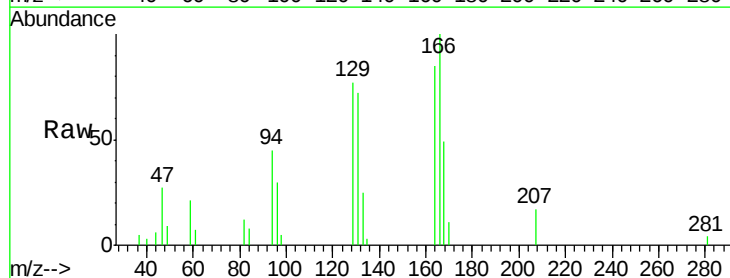
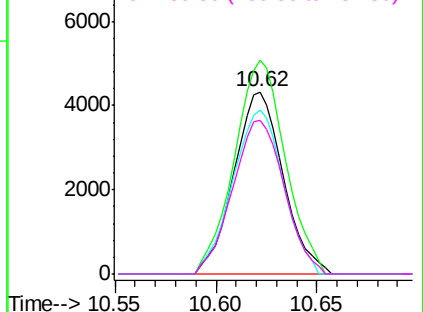
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





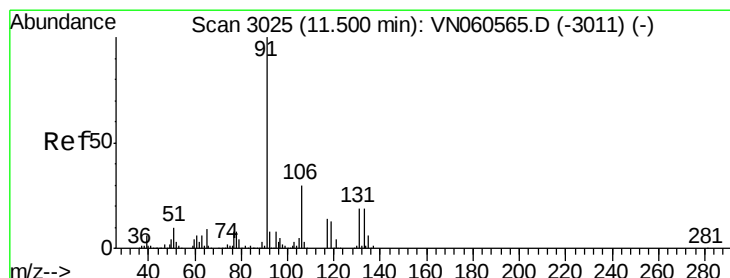
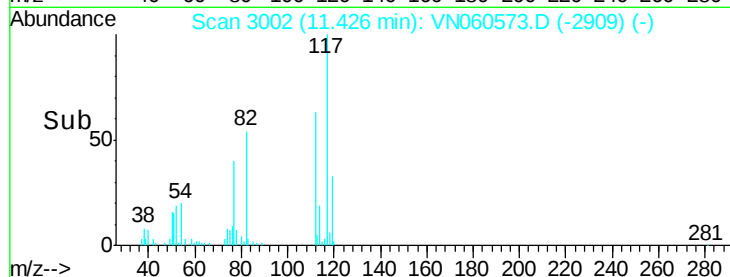
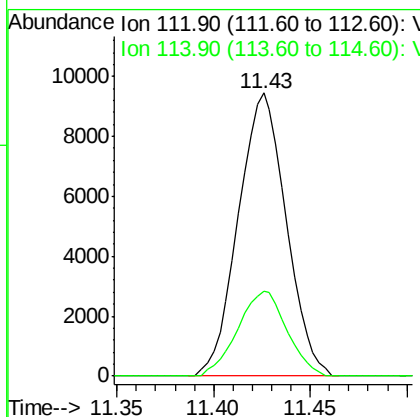
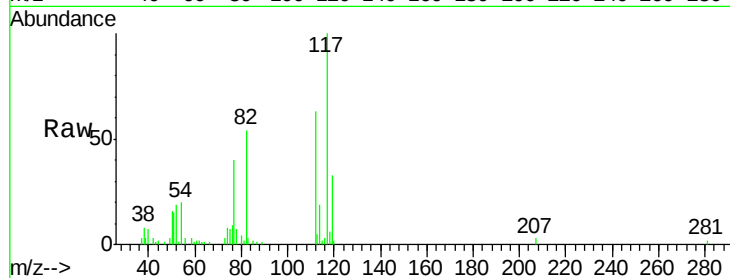
#65  
Chlorobenzene  
Concen: 2.581 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

Tot Ion:112 Resp: 16223  
Ion Ratio Lower Upper  
112 100  
114 30.0 25.8 38.6

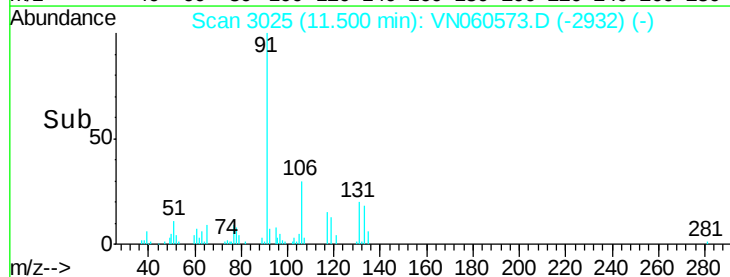
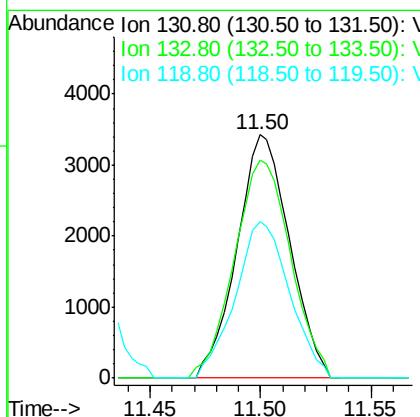
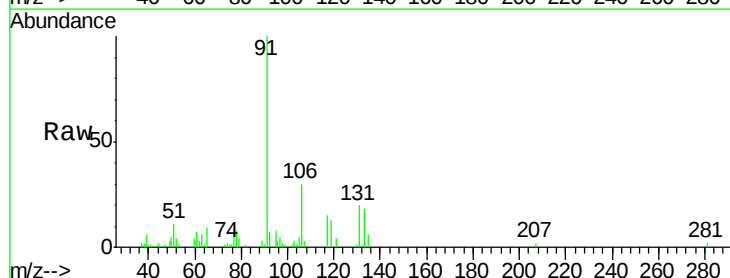
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 2.496 ug/l  
RT: 11.50 min Scan# 3025  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Tgt Ion:131 Resp: 5680  
Ion Ratio Lower Upper  
131 100  
133 95.8 48.9 146.8  
119 66.3 33.9 101.7





#67

Ethyl Benzene

Concen: 2.586 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 30226

Ion Ratio Lower Upper

91 100

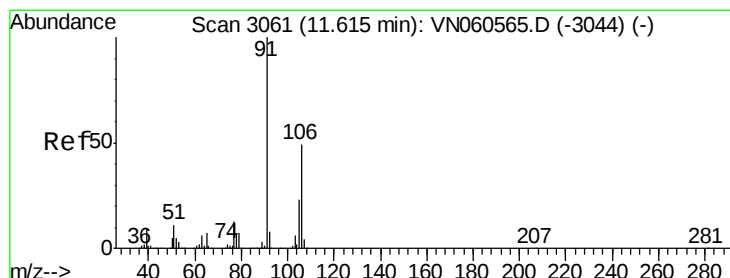
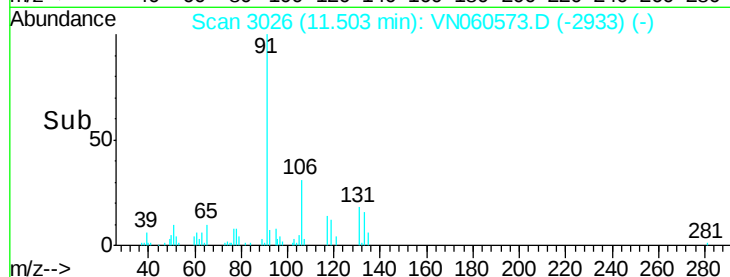
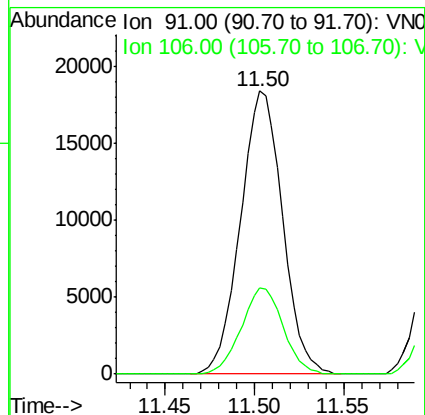
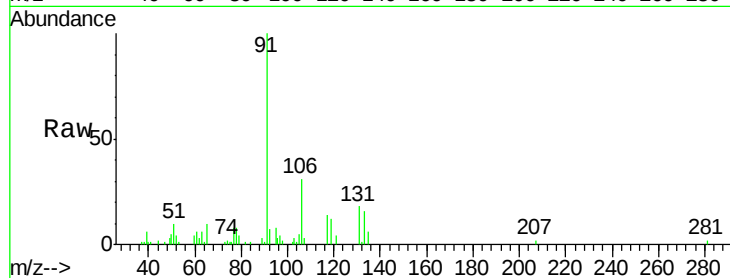
106 30.7 24.2 36.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 4.995 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060573.D

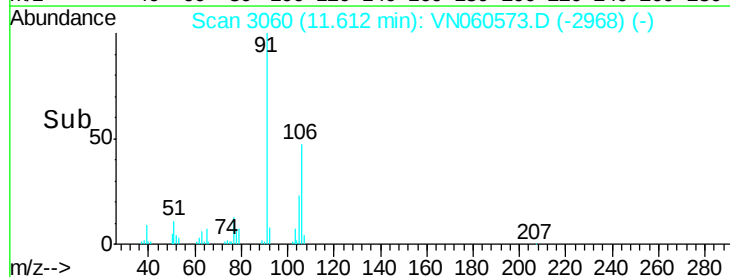
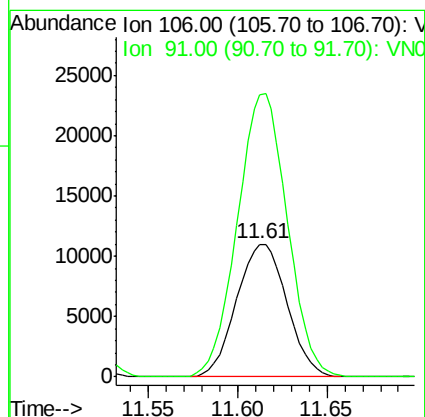
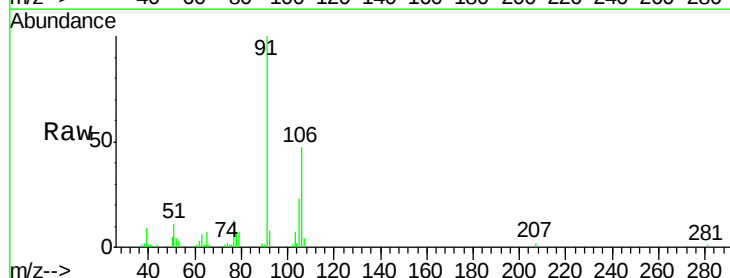
Acq: 17 Mar 2020 22:59

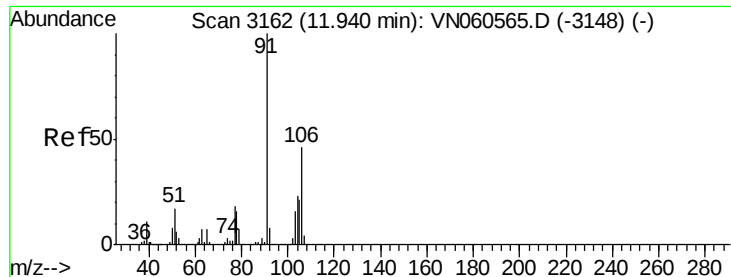
Tgt Ion: 106 Resp: 21698

Ion Ratio Lower Upper

106 100

91 210.8 165.0 247.4





#69

o-Xylene

Concen: 2.613 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:106 Resp: 10836

Ion Ratio Lower Upper

106 100

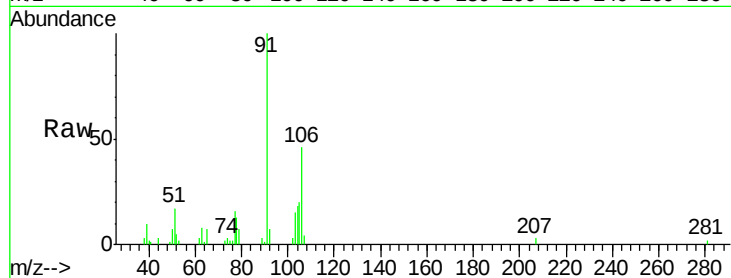
91 214.3 109.5 328.4

Manual Integrations

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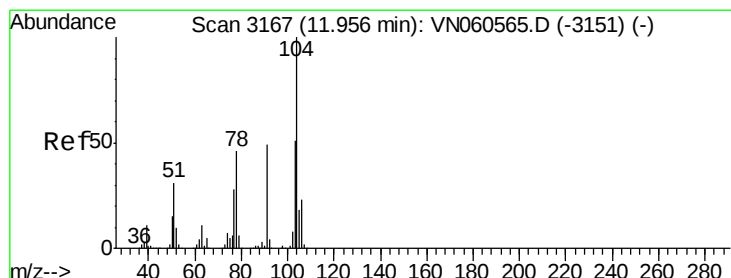
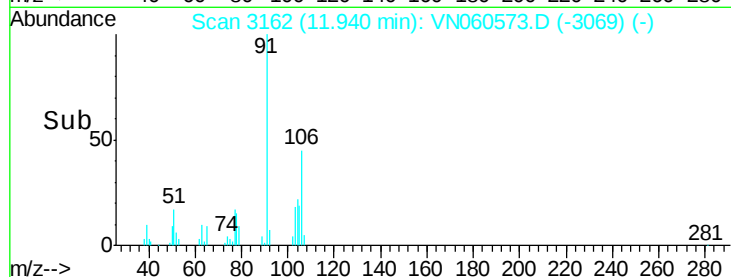
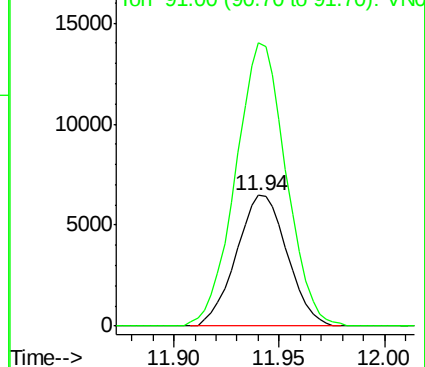
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 2.284 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

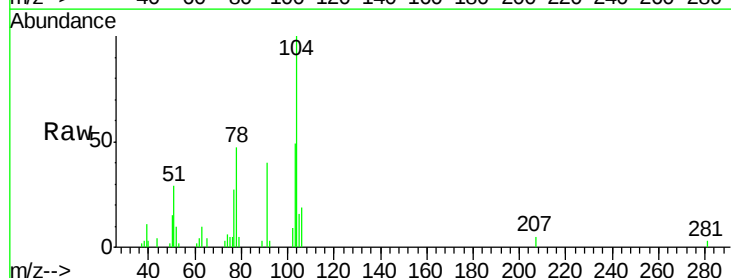
Tgt Ion:104 Resp: 15487

Ion Ratio Lower Upper

104 100

78 53.3 41.2 61.8

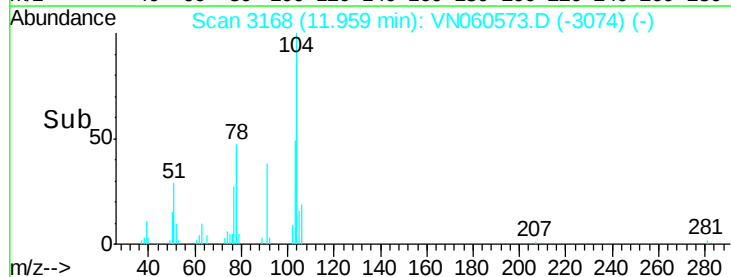
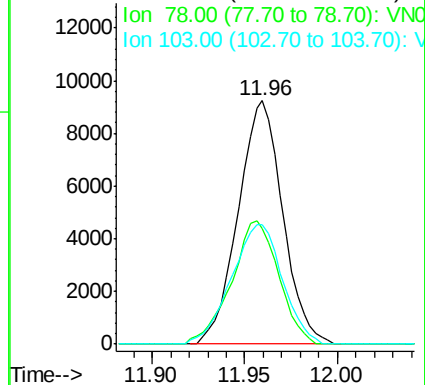
103 56.2 44.0 66.0

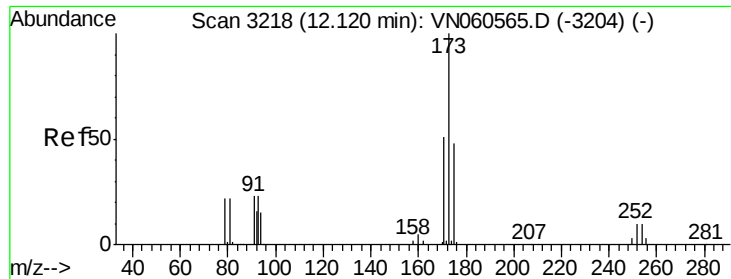


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





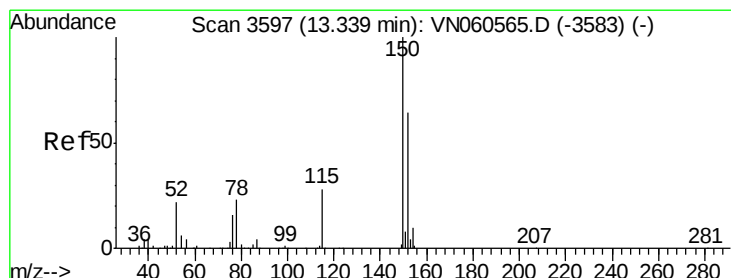
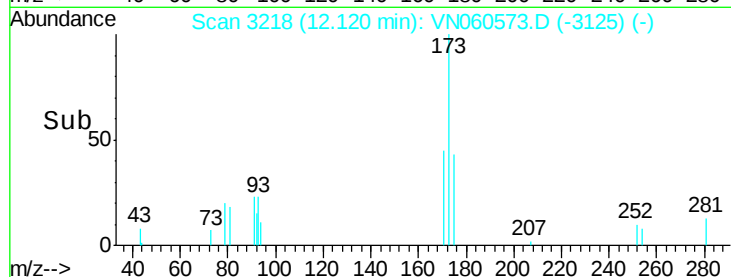
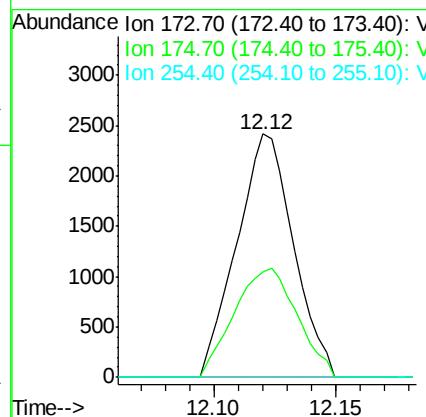
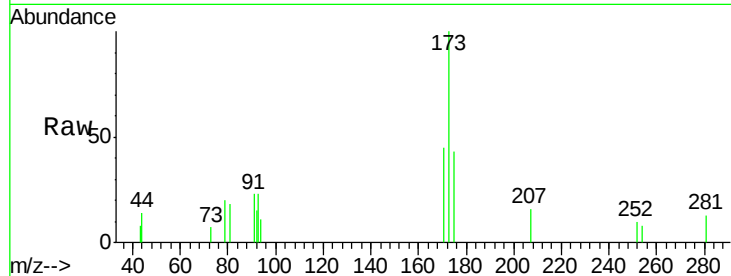
#71  
Bromoform  
Concen: 2.286 ug/l  
RT: 12.12 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.7  | 24.1  | 72.4  |
| 254     | 0.0   | 0.0   | 0.0   |

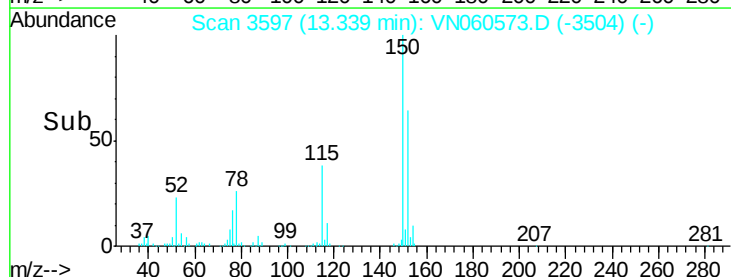
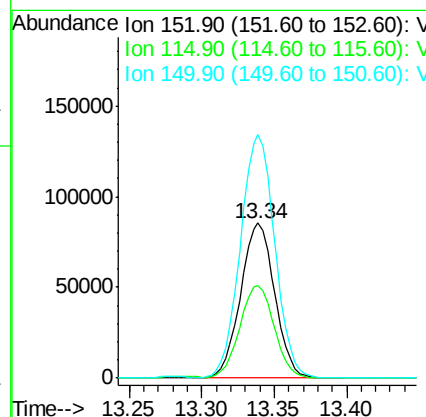
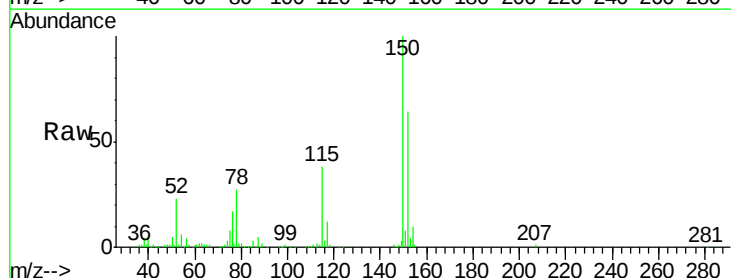
Manual Integrations  
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.2  | 30.2  | 90.6  |
| 150     | 158.2 | 0.0   | 350.2 |





#73

Isopropylbenzene

Concen: 2.643 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:105 Resp: 27616

Ion Ratio Lower Upper

105 100

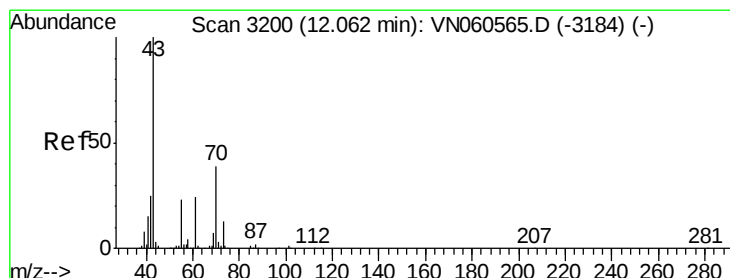
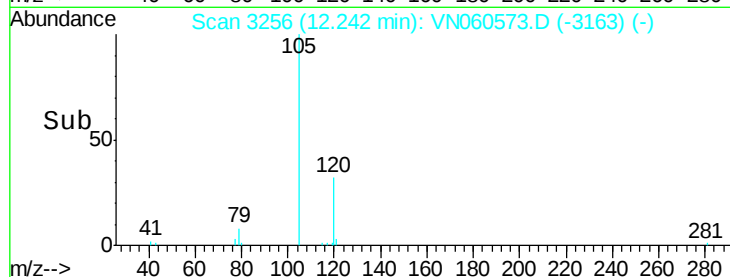
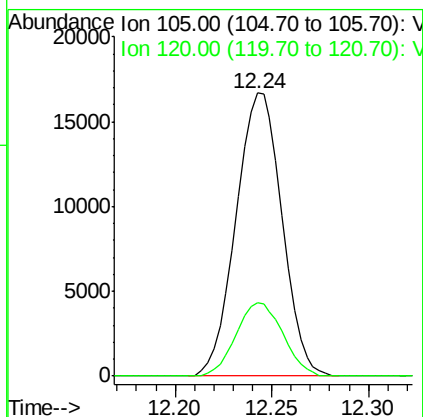
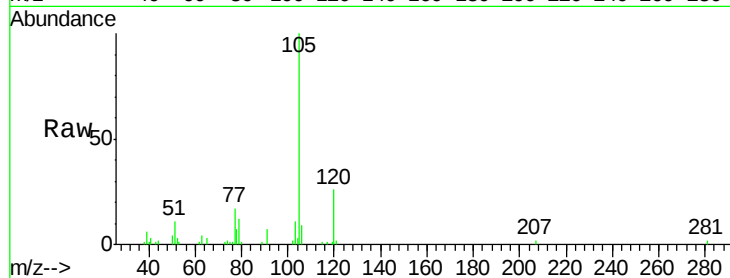
120 26.2 13.1 39.1

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#74

N-ethyl acetate

Concen: 2.429 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Tgt Ion: 43 Resp: 11725

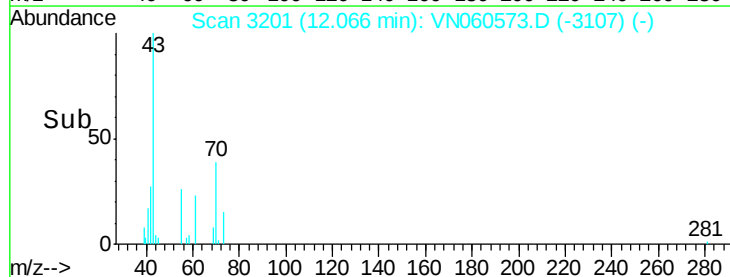
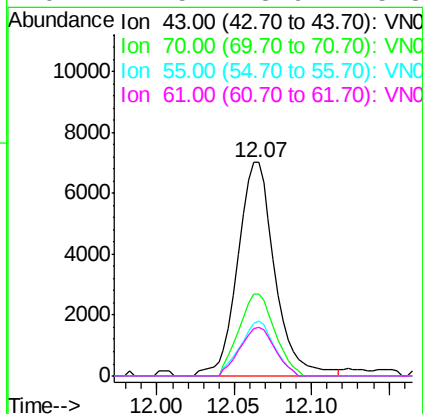
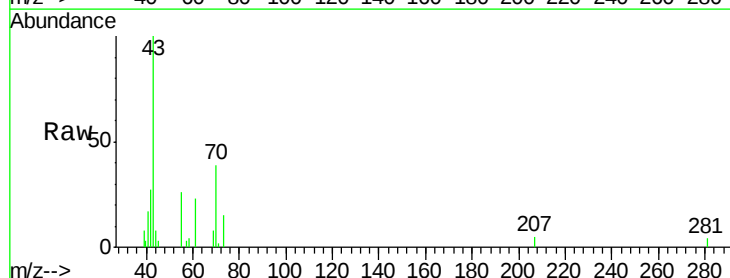
Ion Ratio Lower Upper

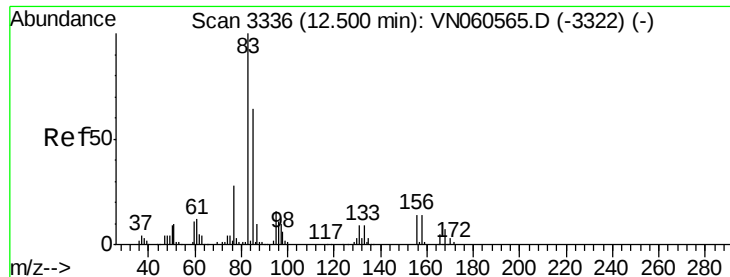
43 100

70 36.9 31.1 46.7

55 23.4 18.6 27.8

61 21.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 2.593 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

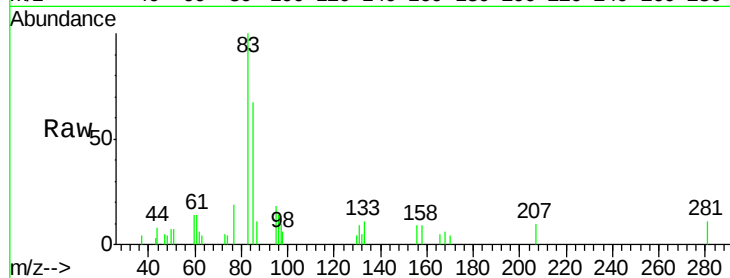
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

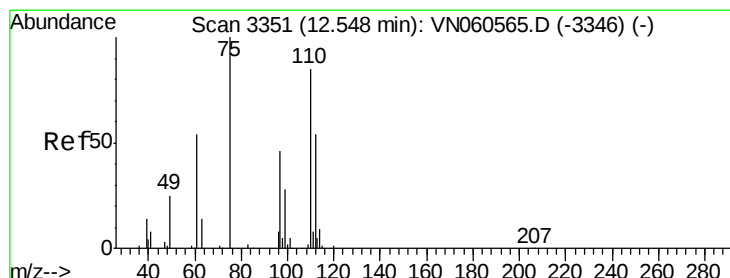
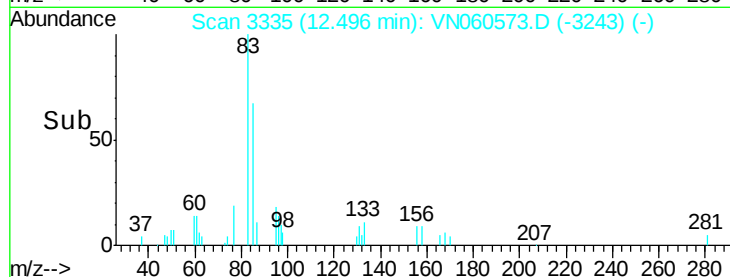
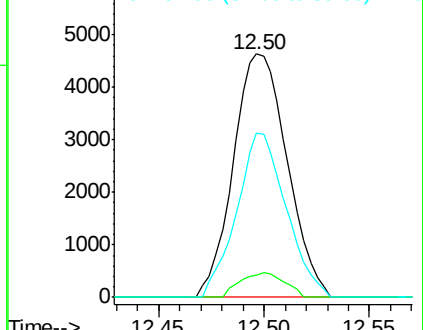
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 83    | Resp: | 8191 |
| Ion Ratio | Lower | Upper |      |
| 83        | 100   |       |      |
| 131       | 8.4   | 4.9   | 14.7 |
| 85        | 62.1  | 32.5  | 97.4 |

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Abundance Ion 82.90 (82.60 to 83.60): VN060573.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 2.500 ug/l m

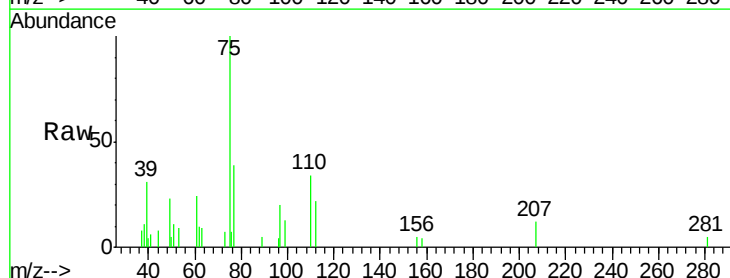
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

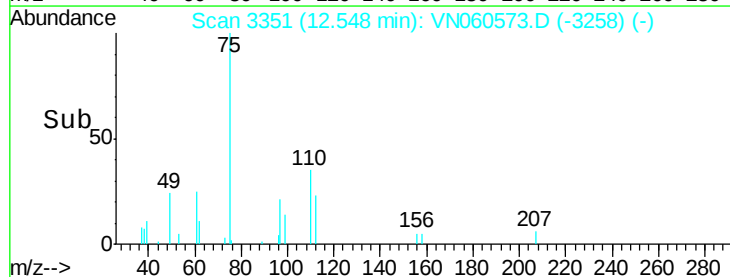
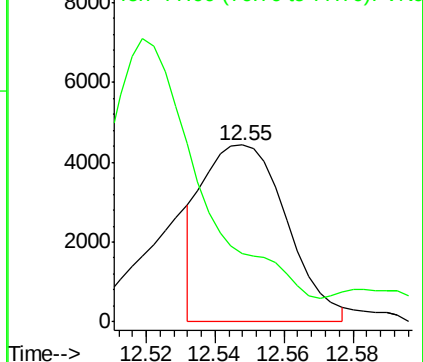
Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 75    | Resp: | 7509 |
| Ion Ratio | Lower | Upper |      |
| 75        | 100   |       |      |
| 77        | 0.0   | 0.0   | 0.0  |



Abundance Ion 74.90 (74.60 to 75.60): VN060573.D (-3258) (-)





#77

Bromobenzene

Concen: 2.695 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

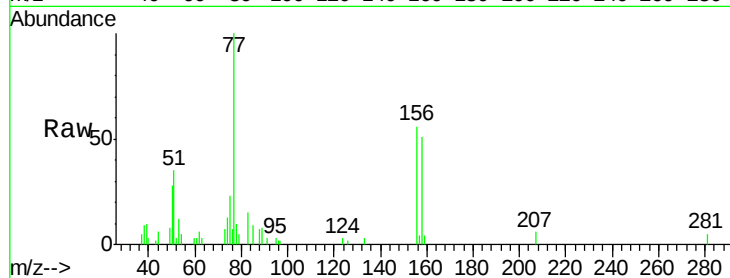
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 156   | Resp: | 6785  |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 214.6 | 112.3 | 337.0 |
| 158      | 95.9  | 48.6  | 145.8 |

Manual Integrations  
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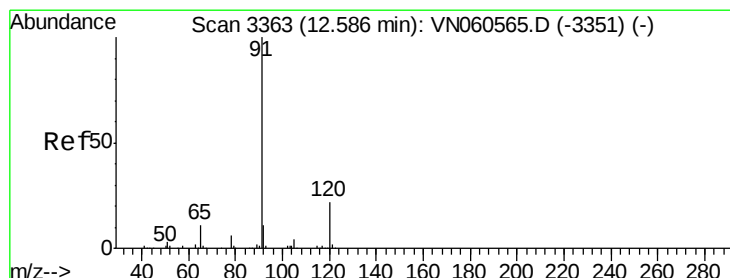
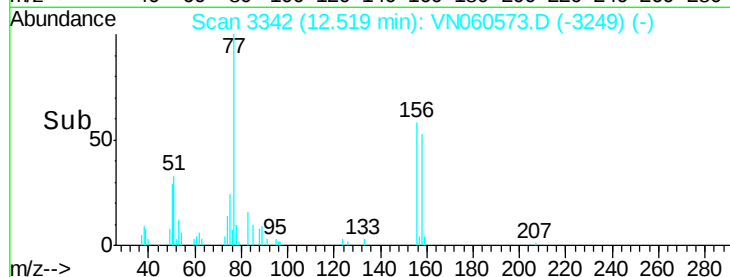
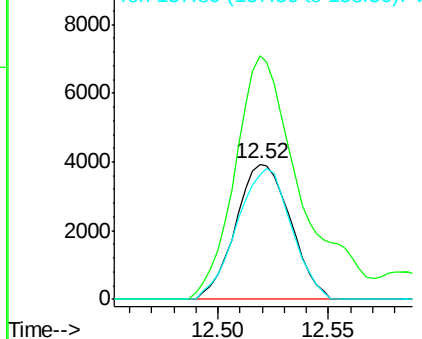
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.683 ug/l

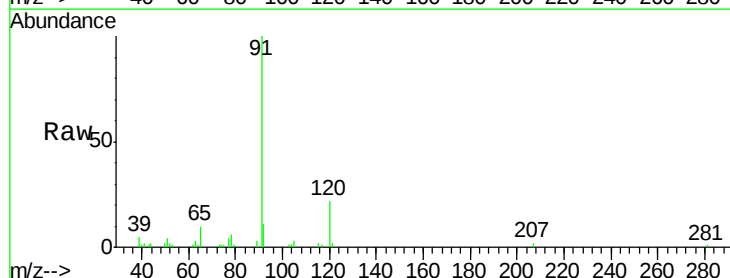
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060573.D

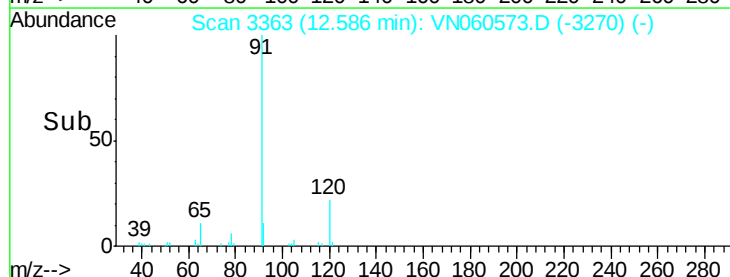
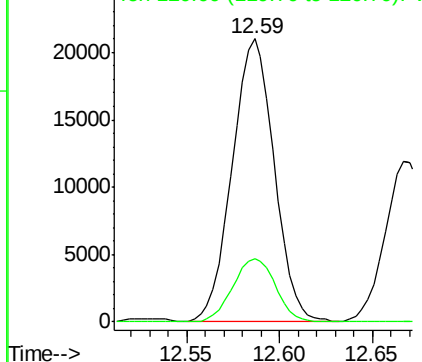
Acq: 17 Mar 2020 22:59

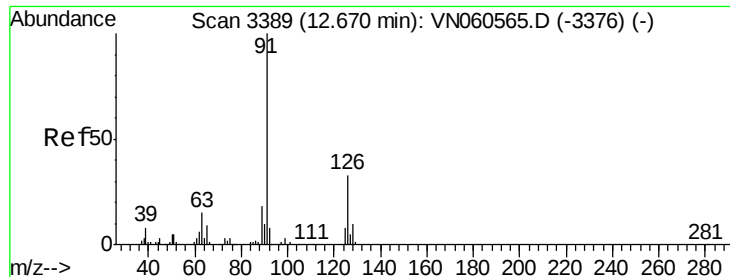
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 33121 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 120      | 22.7  | 11.3  | 33.8  |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.677 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 19743

Ion Ratio Lower Upper

91 100

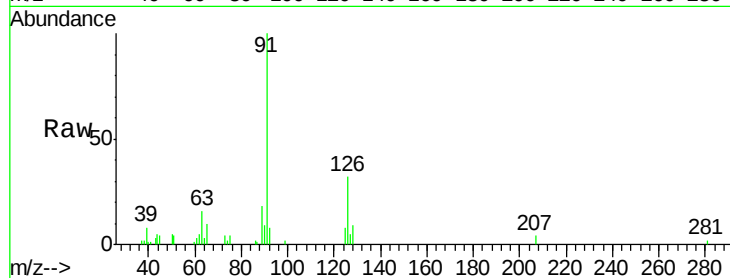
126 32.1 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN060573.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060573.D (-3376) (-)

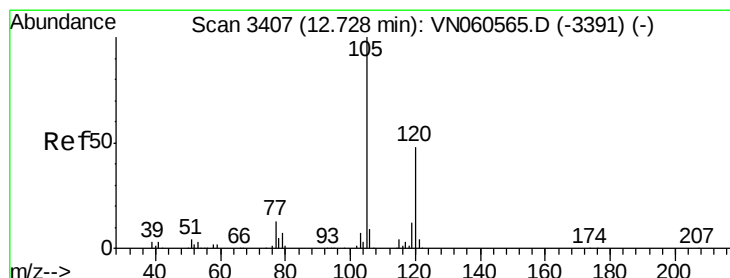
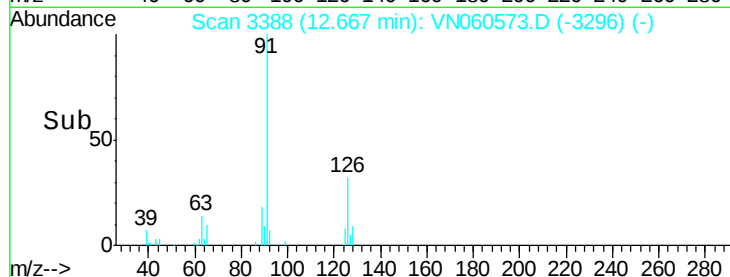
12.67

10000

5000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 2.632 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060573.D

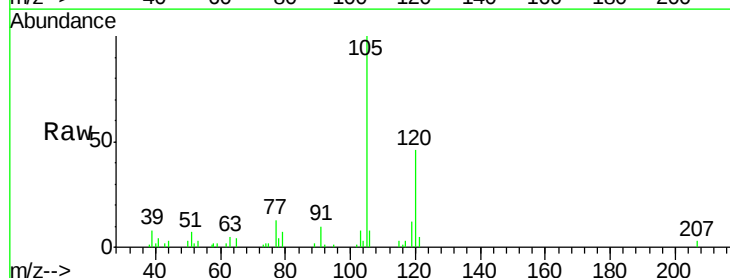
Acq: 17 Mar 2020 22:59

Tgt Ion: 105 Resp: 23330

Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060573.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060573.D (-3391) (-)

12.73

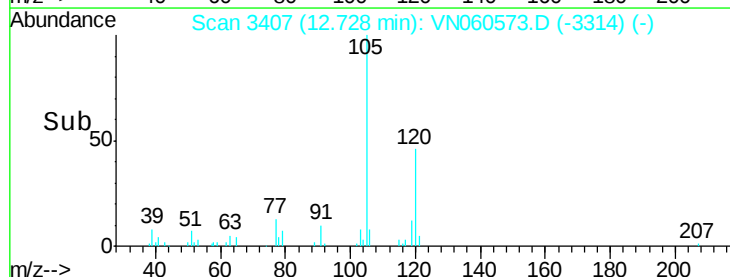
15000

10000

5000

0

Time--> 12.70 12.75





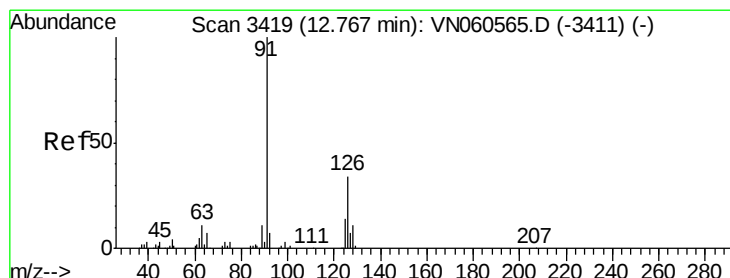
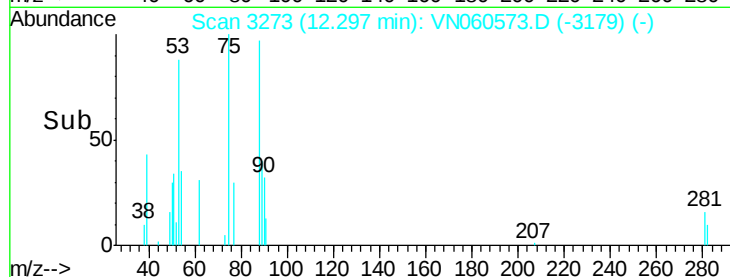
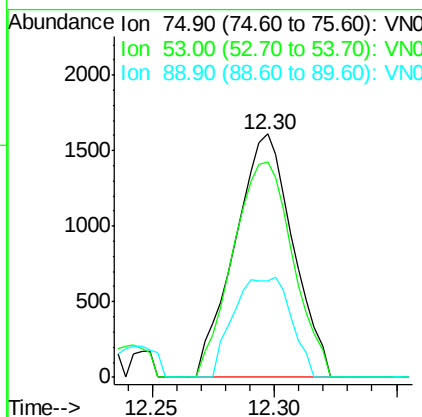
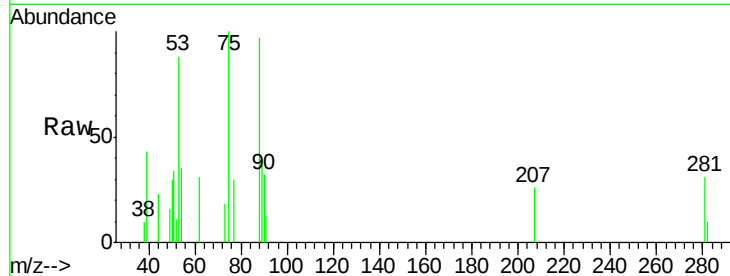
#81  
trans-1,4-Dichloro-2-butene  
Concen: 2.270 ug/l  
RT: 12.30 min Scan# 3273  
Delta R.T. 0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 91.5  | 73.0  | 109.4 |
| 89      | 40.5  | 34.8  | 52.2  |

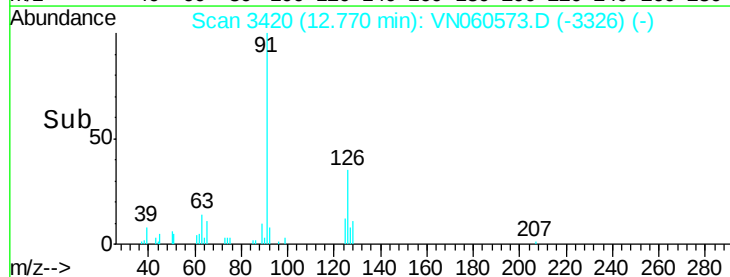
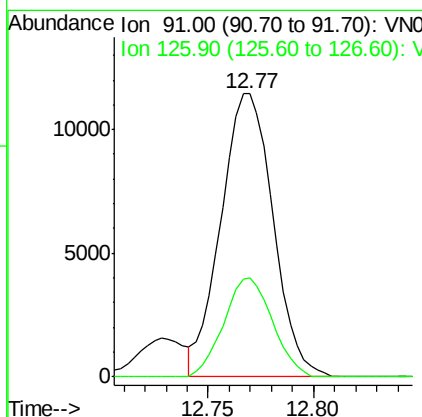
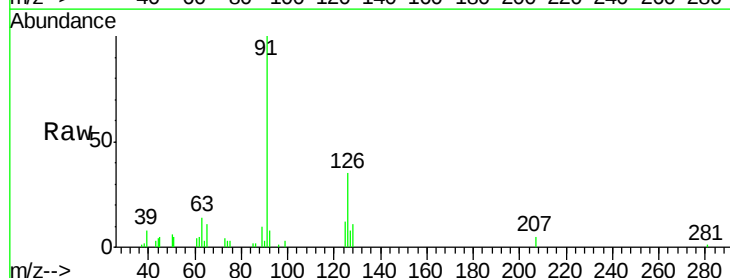
Manual Integrations  
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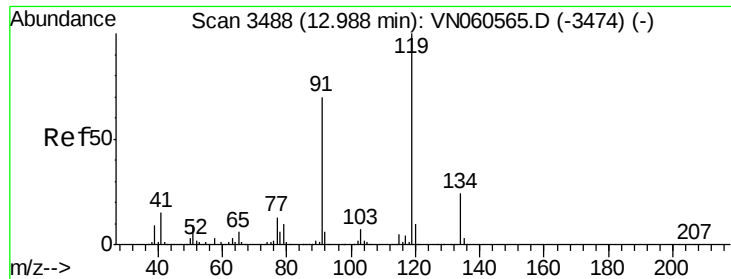
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 2.617 ug/l  
RT: 12.77 min Scan# 3420  
Delta R.T. 0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.5  | 16.2  | 48.5  |





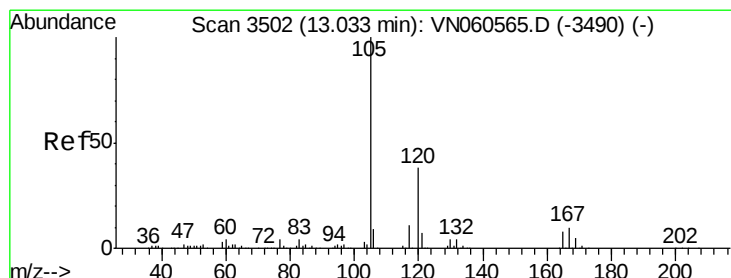
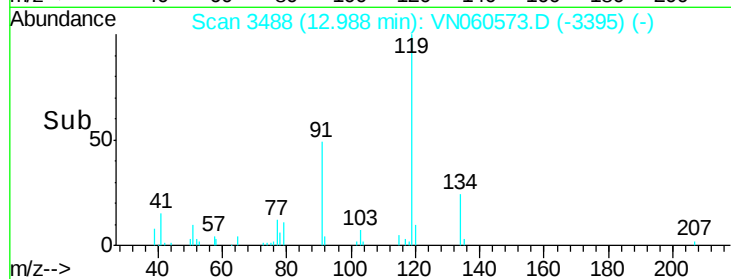
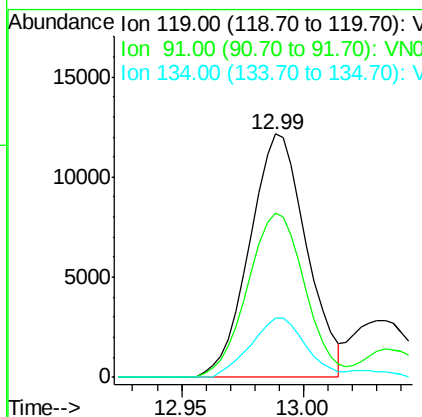
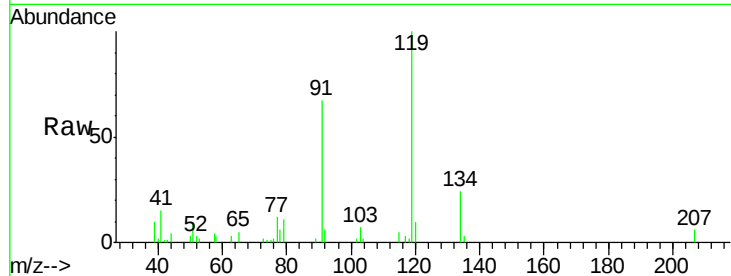
#83  
 tert-Butylbenzene  
 Concen: 2.673 ug/l  
 RT: 12.99 min Scan# 3488  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.1  | 34.0  | 101.8 |
| 134     | 23.9  | 12.7  | 38.0  |

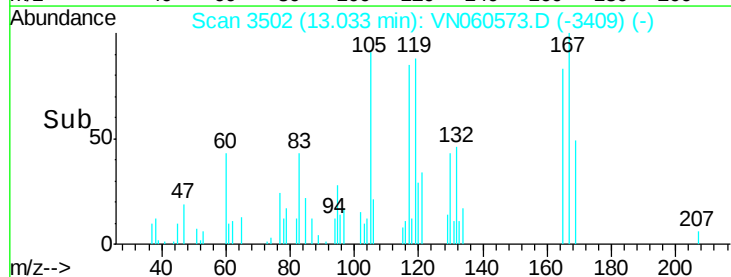
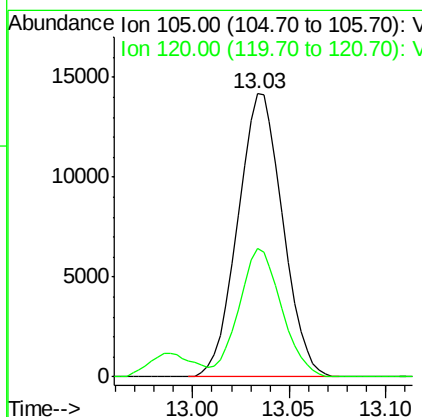
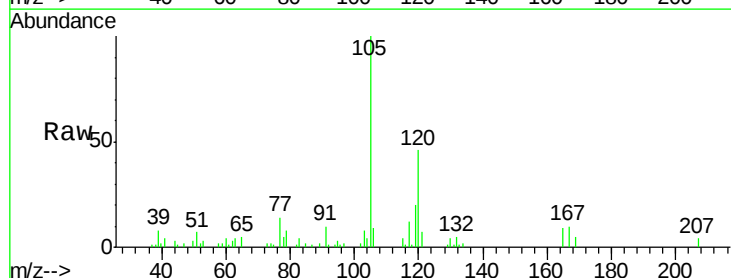
Manual Integrations  
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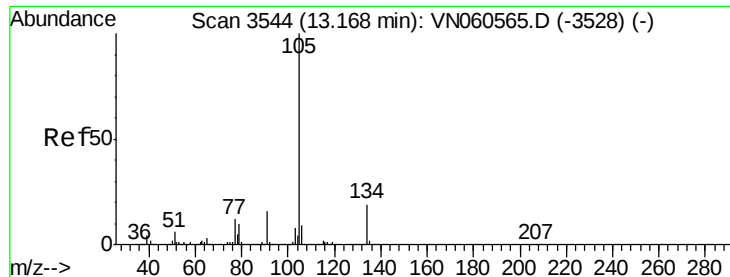
MMDadoda  
 3/19/2020 1:02:24 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 2.614 ug/l  
 RT: 13.03 min Scan# 3502  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.0  | 22.1  | 66.5  |





#85

sec-Butylbenzene

Concen: 2.637 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:105 Resp: 26065

Ion Ratio Lower Upper

105 100

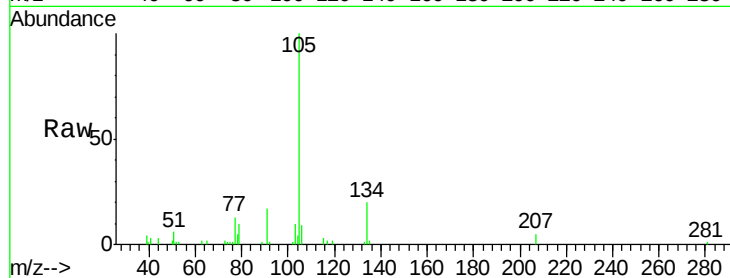
134 19.9 9.6 28.8

Manual Integrations

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MMDadoda

3/19/2020 1:02:24 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

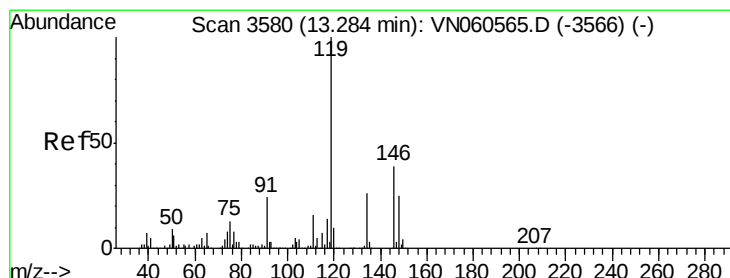
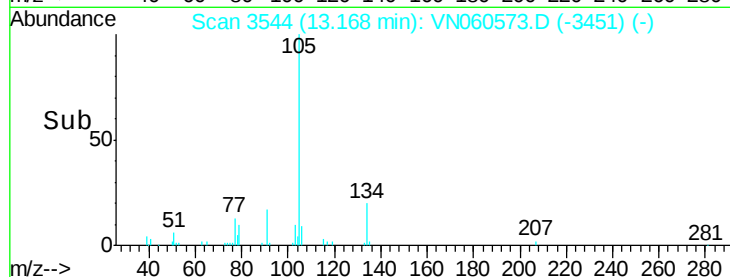
15000

10000

5000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 2.579 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

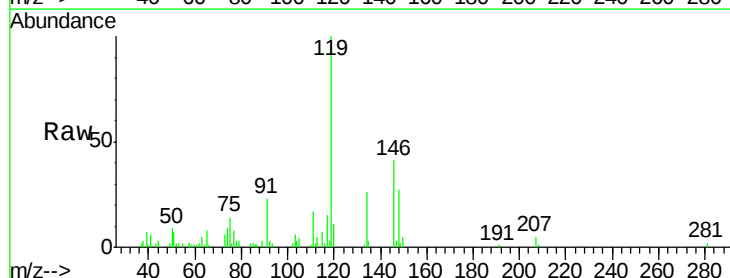
Tgt Ion:119 Resp: 22916

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 24.2 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

20000

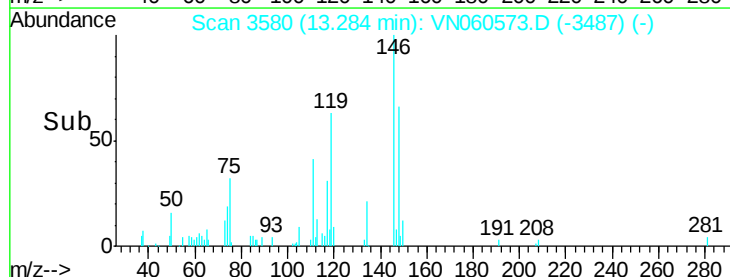
15000

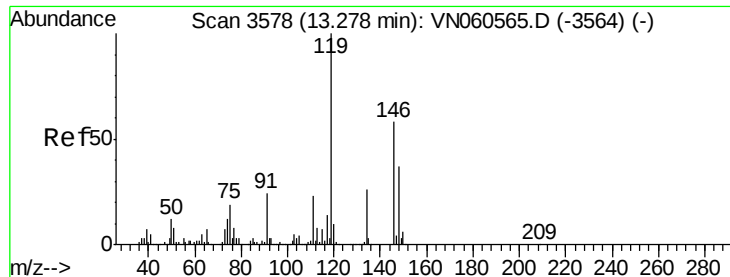
10000

5000

0

Time--> 13.25 13.30





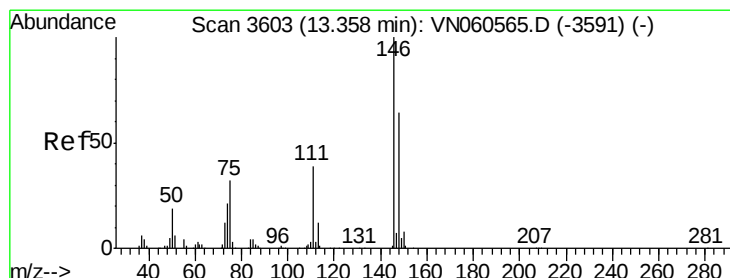
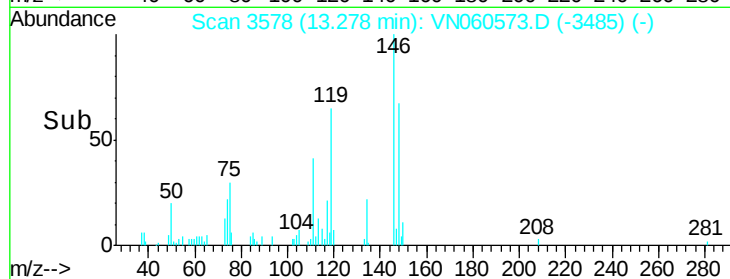
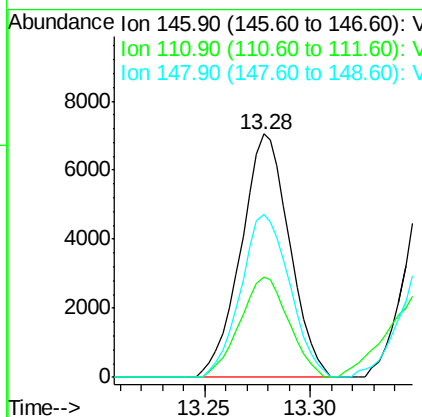
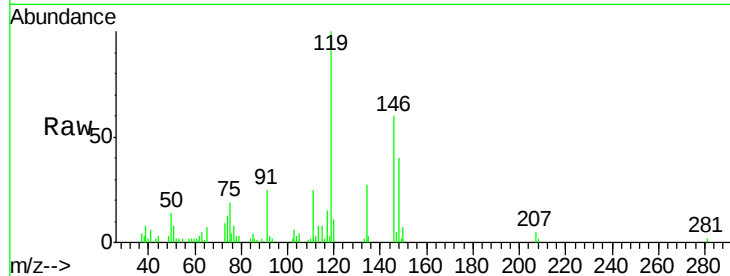
#87  
 1,3-Dichlorobenzene  
 Concen: 2.533 ug/l  
 RT: 13.28 min Scan# 3578  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.4  | 20.3  | 60.8  |
| 148     | 67.5  | 32.5  | 97.4  |

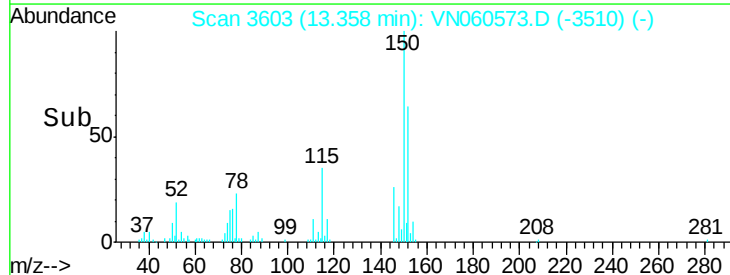
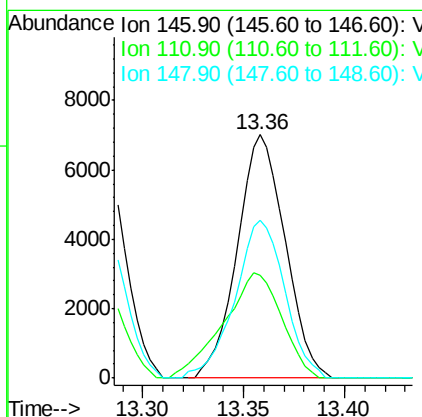
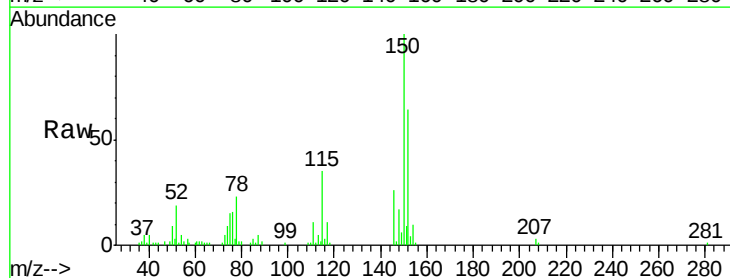
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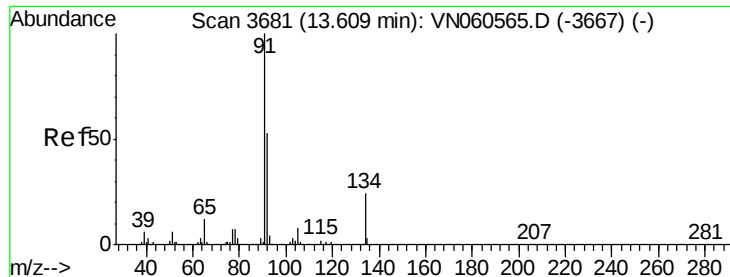
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 2.611 ug/l  
 RT: 13.36 min Scan# 3603  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 52.4  | 19.6  | 58.7  |
| 148     | 67.2  | 32.1  | 96.3  |





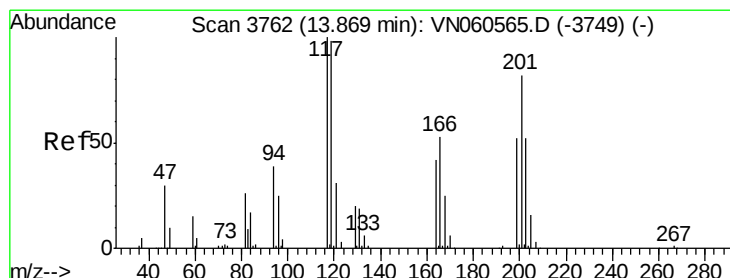
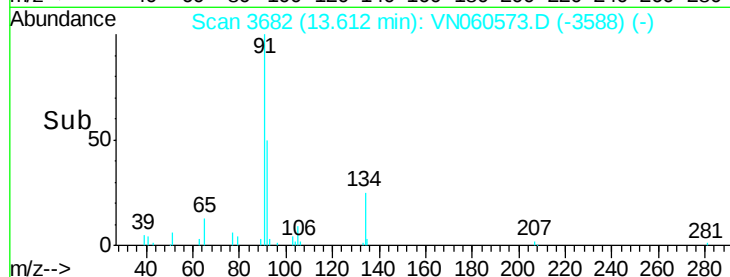
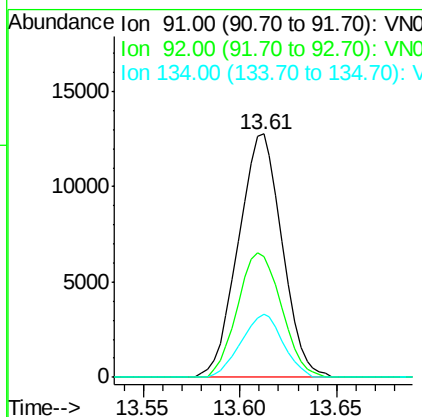
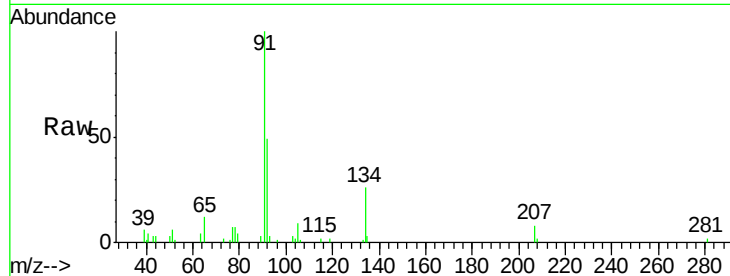
#89  
n-Butylbenzene  
Concen: 2.506 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.5  | 26.2  | 78.5  |
| 134     | 24.7  | 12.3  | 36.9  |

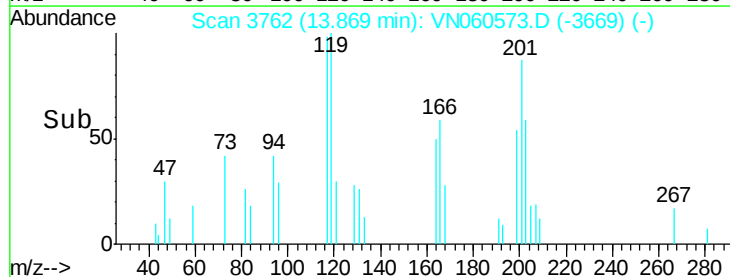
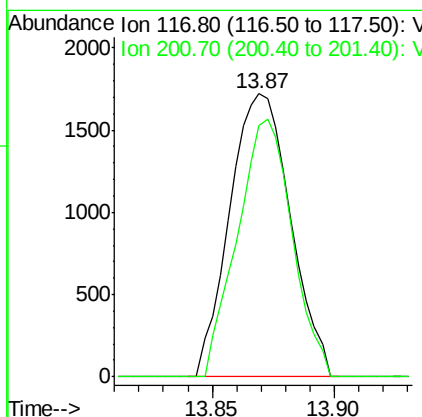
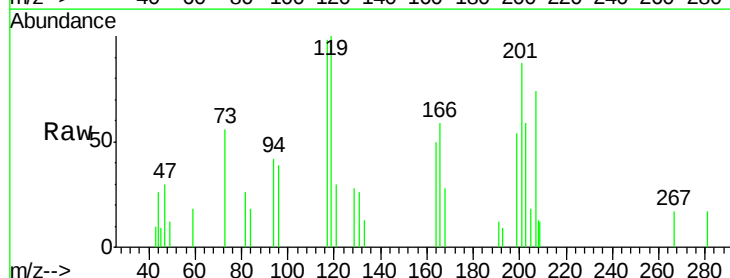
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#90  
Hexachloroethane  
Concen: 2.301 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 81.9  | 40.8  | 122.5 |





#91

1,2-Dichlorobenzene

Concen: 2.636 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

Instrument :

MSVOA\_N

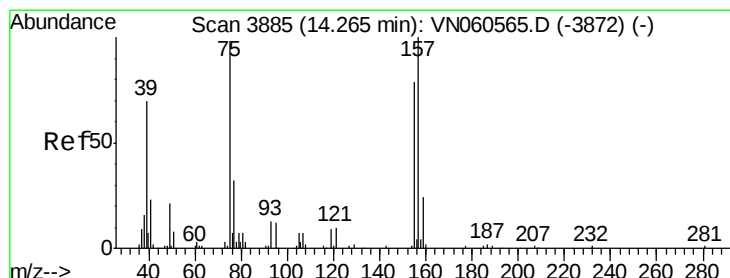
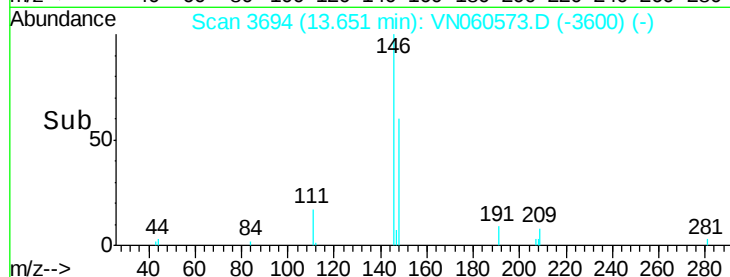
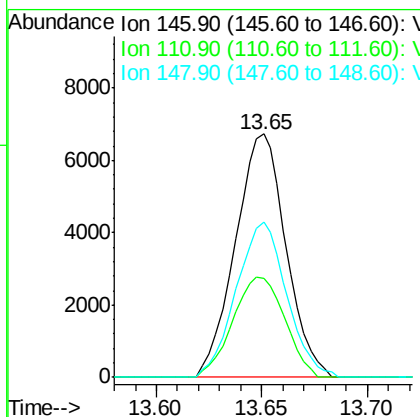
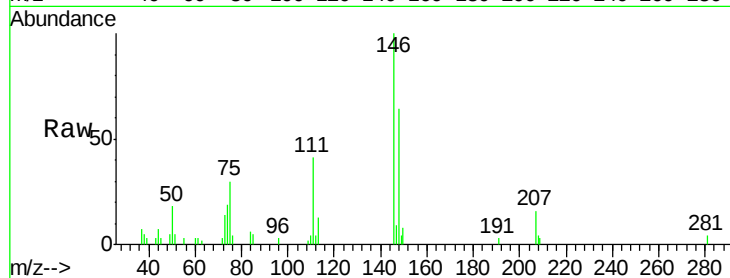
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 146   | Resp: | 11193 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 42.3  | 21.0  | 63.0  |
| 148       | 63.7  | 31.9  | 95.5  |

Manual Integrations  
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#92

1,2-Dibromo-3-Chloropropane

Concen: 2.765 ug/l

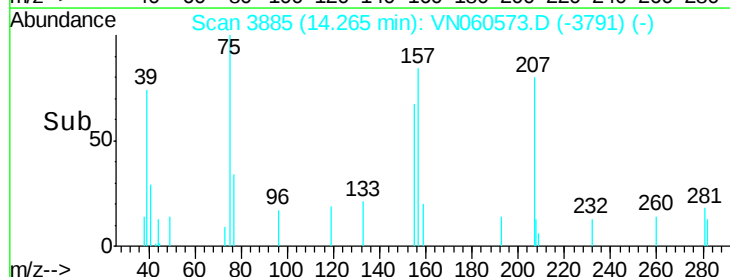
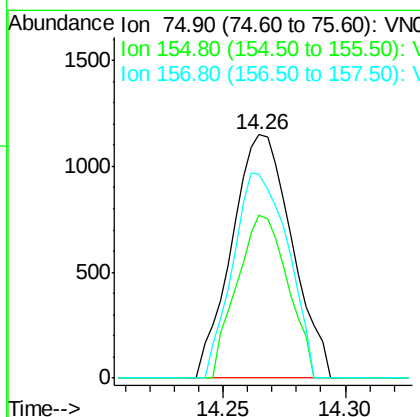
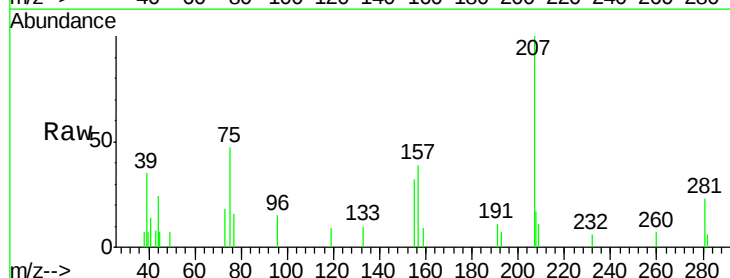
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060573.D

Acq: 17 Mar 2020 22:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 1961  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 56.9  | 40.7  | 122.1 |
| 157       | 77.4  | 51.5  | 154.7 |





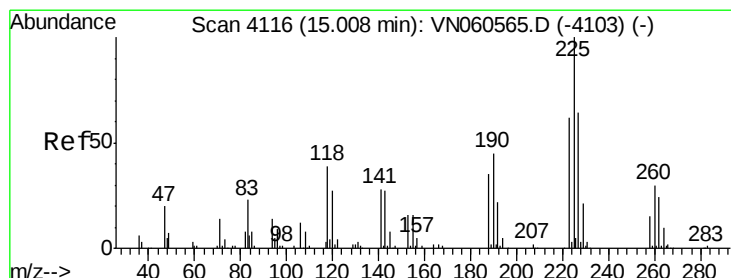
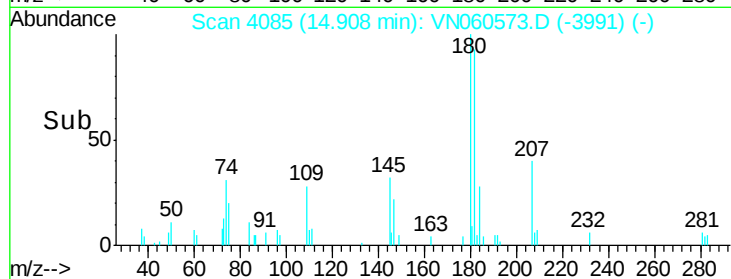
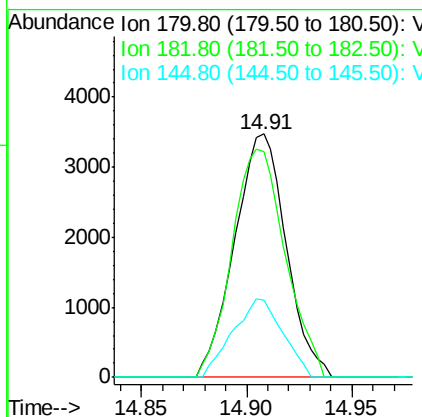
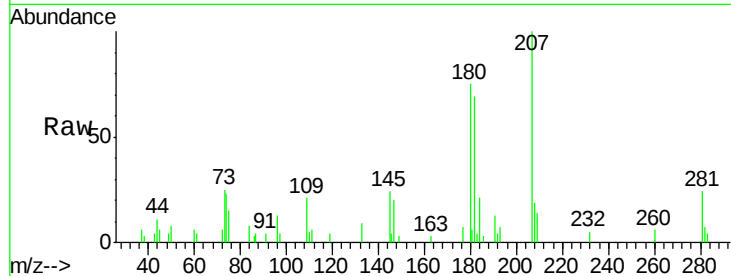
#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.263 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.1  | 47.9  | 143.8 |
| 145     | 31.2  | 15.4  | 46.2  |

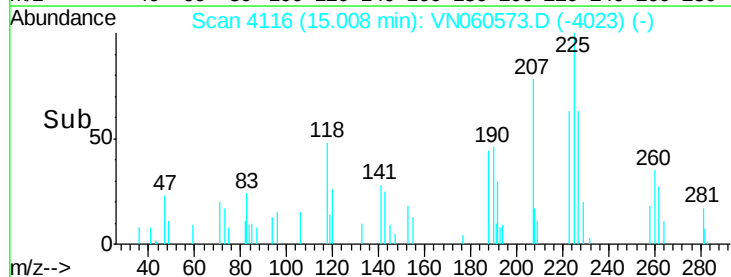
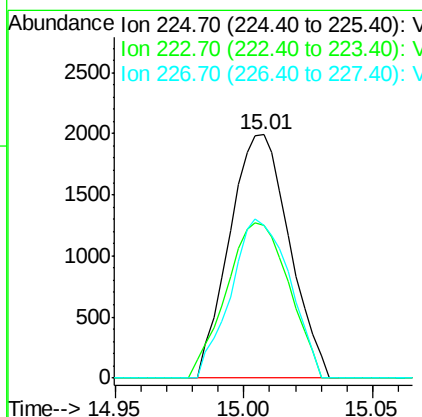
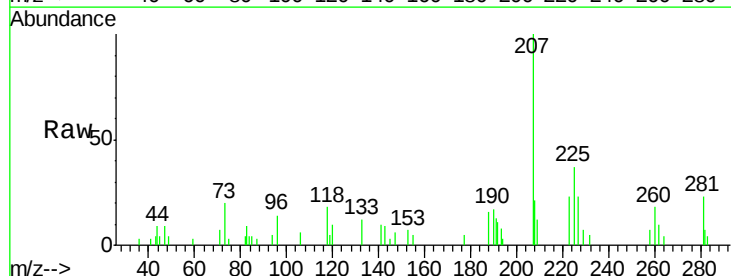
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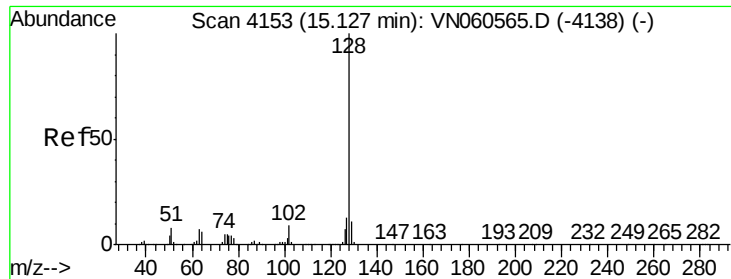
MMDadoda  
 3/19/2020 1:02:24 PM



#94  
 Hexachlorobutadiene  
 Concen: 2.520 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. -0.00 min  
 Lab File: VN060573.D  
 Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 66.9  | 31.6  | 95.0  |
| 227     | 64.5  | 32.3  | 96.8  |





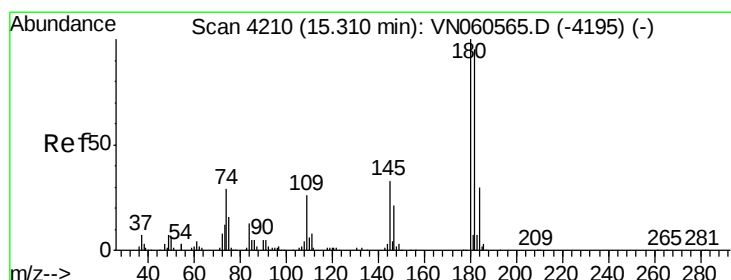
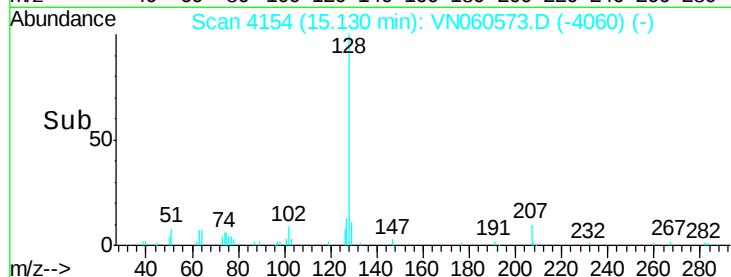
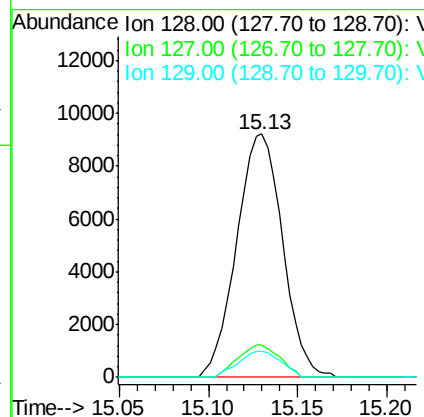
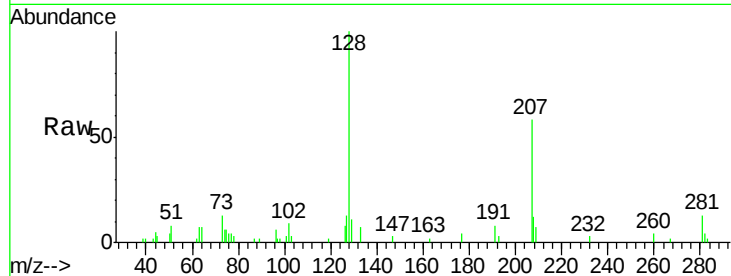
#95  
Naphthalene  
Concen: 2.109 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.1  | 10.2  | 15.2  |
| 129     | 10.0  | 8.8   | 13.2  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 2.292 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. -0.00 min  
Lab File: VN060573.D  
Acq: 17 Mar 2020 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.7  | 47.5  | 142.6 |
| 145     | 33.1  | 16.3  | 48.8  |

