

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\  
 Data File : VN064327.D  
 Acq On : 27 Oct 2020 15:41  
 Operator : JC/MD  
 Sample : L4214-09 .75PPB MDL  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT4-2020

Manual Integrations  
 APPROVED

MMDadoda  
 10/28/2020 12:36:01 PM

Quant Time: Oct 28 07:35:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 28 05:08:53 2020  
 Response via : Initial Calibration

| Internal Standards            | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene         | 7.63   | 168  | 246708   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.55   | 114  | 416038   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.38  | 117  | 364915   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.32  | 152  | 154618   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.99   | 65   | 196336   | 49.52 | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =     | 99.04% |          |
| 35) Dibromofluoromethane      | 7.55   | 113  | 135967   | 49.01 | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =     | 98.02% |          |
| 50) Toluene-d8                | 10.06  | 98   | 477793   | 46.56 | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =     | 93.12% |          |
| 62) 4-Bromofluorobenzene      | 12.38  | 95   | 179539   | 44.87 | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =     | 89.74% |          |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.83   | 85   | 1896     | 0.669 | ug/l   | 82       |
| 3) Chloromethane              | 2.04   | 50   | 2190     | 0.714 | ug/l   | 95       |
| 4) Vinyl Chloride             | 2.16   | 62   | 2328     | 0.785 | ug/l # | 86       |
| 5) Bromomethane               | 2.54   | 94   | 2262     | 1.181 | ug/l # | 72       |
| 6) Chloroethane               | 2.68   | 64   | 1681     | 0.949 | ug/l # | 80       |
| 7) Trichlorofluoromethane     | 2.98   | 101  | 3350     | 0.674 | ug/l # | 84       |
| 8) Diethyl Ether              | 3.37   | 74   | 959      | 0.610 | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluoroet | 3.71   | 101  | 1661     | 0.665 | ug/l # | 51       |
| 10) Methyl Iodide             | 3.91   | 142  | 1954m    | 0.586 | ug/l   |          |
| 11) Tert butyl alcohol        | 4.72   | 59   | 1380m    | 2.398 | ug/l   |          |
| 12) 1,1-Dichloroethene        | 3.70   | 96   | 1711     | 0.726 | ug/l   | 78       |
| 13) Acrolein                  | 3.57   | 56   | 827m     | 6.208 | ug/l   |          |
| 14) Allyl chloride            | 4.28   | 41   | 3856m    | 0.801 | ug/l   |          |
| 15) Acrylonitrile             | 4.95   | 53   | 3357     | 2.712 | ug/l   | 91       |
| 16) Acetone                   | 3.78   | 43   | 5346     | 3.698 | ug/l   | 99       |
| 17) Carbon Disulfide          | 4.00   | 76   | 4869     | 0.698 | ug/l   | 97       |
| 18) Methyl Acetate            | 4.28   | 43   | 2454m    | 0.824 | ug/l   |          |
| 19) Methyl tert-butyl Ether   | 5.00   | 73   | 6576m    | 0.726 | ug/l   |          |
| 20) Methylene Chloride        | 4.52   | 84   | 2521m    | 0.897 | ug/l   |          |
| 21) trans-1,2-Dichloroethene  | 5.00   | 96   | 1818m    | 0.691 | ug/l   |          |
| 22) Diisopropyl ether         | 5.90   | 45   | 5771m    | 0.613 | ug/l   |          |
| 23) Vinyl Acetate             | 5.85   | 43   | 24298m   | 3.053 | ug/l   |          |
| 24) 1,1-Dichloroethane        | 5.79   | 63   | 3443m    | 0.654 | ug/l   |          |
| 25) 2-Butanone                | 6.79   | 43   | 5764     | 2.896 | ug/l   | 91       |
| 26) 2,2-Dichloropropane       | 6.79   | 77   | 3419m    | 0.664 | ug/l   |          |
| 27) cis-1,2-Dichloroethene    | 6.78   | 96   | 1893m    | 0.629 | ug/l   |          |
| 28) Bromochloromethane        | 7.14   | 49   | 1341m    | 0.535 | ug/l   |          |
| 29) Tetrahydrofuran           | 7.17   | 42   | 4015m    | 3.107 | ug/l   |          |
| 30) Chloroform                | 7.34   | 83   | 4170m    | 0.742 | ug/l   |          |
| 31) Cyclohexane               | 7.63   | 56   | 8420     | 1.830 | ug/l # | 54       |
| 32) 1,1,1-Trichloroethane     | 7.54   | 97   | 3517     | 0.652 | ug/l # | 50       |
| 36) 1,1-Dichloropropene       | 7.75   | 75   | 2749     | 0.655 | ug/l # | 65       |
| 37) Ethyl Acetate             | 6.89   | 43   | 3225m    | 0.760 | ug/l   |          |
| 38) Carbon Tetrachloride      | 7.74   | 117  | 3734     | 0.767 | ug/l   | 96       |

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 Sample : L4214-09 .75PPB MDL  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
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Manual Integrations  
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 10/28/2020 12:36:01 PM

Quant Time: Oct 28 07:35:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 28 05:08:53 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 2617     | 0.629  | ug/l   | 95       |
| 40) Benzene                    | 8.00  | 78   | 7911     | 0.677  | ug/l   | 94       |
| 41) Methacrylonitrile          | 7.13  | 41   | 1579m    | 0.750  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.09  | 62   | 3963     | 0.785  | ug/l   | 82       |
| 43) Isopropyl Acetate          | 8.13  | 43   | 4595     | 0.634  | ug/l # | 62       |
| 44) Trichloroethene            | 8.80  | 130  | 2070     | 0.676  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 1865     | 0.596  | ug/l # | 87       |
| 46) Dibromomethane             | 9.17  | 93   | 1316     | 0.601  | ug/l   | 95       |
| 47) Bromodichloromethane       | 9.37  | 83   | 2869     | 0.591  | ug/l # | 86       |
| 48) Methyl methacrylate        | 9.16  | 41   | 2219     | 0.593  | ug/l # | 73       |
| 49) 1,4-Dioxane                | 9.16  | 88   | 674      | 12.225 | ug/l # | 22       |
| 51) 4-Methyl-2-Pentanone       | 9.96  | 43   | 12438    | 2.951  | ug/l   | 96       |
| 52) Toluene                    | 10.12 | 92   | 5263     | 0.714  | ug/l   | 82       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 2982     | 0.581  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 2891     | 0.547  | ug/l # | 77       |
| 55) 1,1,2-Trichloroethane      | 10.54 | 97   | 1765     | 0.606  | ug/l   | 94       |
| 56) Ethyl methacrylate         | 10.41 | 69   | 2621     | 0.595  | ug/l # | 85       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 3292     | 0.663  | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 6004     | 2.497  | ug/l   | 95       |
| 59) 2-Hexanone                 | 10.72 | 43   | 8439     | 2.719  | ug/l   | 95       |
| 60) Dibromochloromethane       | 10.88 | 129  | 1820     | 0.529  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 1649     | 0.556  | ug/l # | 80       |
| 64) Tetrachloroethene          | 10.60 | 164  | 2684     | 0.895  | ug/l # | 76       |
| 65) Chlorobenzene              | 11.41 | 112  | 4837     | 0.654  | ug/l   | 93       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.49 | 131  | 2214     | 0.740  | ug/l # | 55       |
| 67) Ethyl Benzene              | 11.48 | 91   | 7620     | 0.554  | ug/l   | 96       |
| 68) m/p-Xylenes                | 11.59 | 106  | 5553     | 1.089  | ug/l   | 84       |
| 69) o-Xylene                   | 11.92 | 106  | 2623     | 0.534  | ug/l   | 73       |
| 70) Styrene                    | 11.94 | 104  | 4759     | 0.591  | ug/l   | 88       |
| 71) Bromoform                  | 12.11 | 173  | 1593     | 0.679  | ug/l # | 76       |
| 73) Isopropylbenzene           | 12.23 | 105  | 7961     | 0.687  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.05 | 43   | 2825     | 0.554  | ug/l # | 81       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 2468     | 0.733  | ug/l # | 88       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 1821m    | 0.492  | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 2008     | 0.708  | ug/l   | 85       |
| 78) n-propylbenzene            | 12.57 | 91   | 9248     | 0.705  | ug/l   | 94       |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 6353     | 0.758  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 6865     | 0.701  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 685m     | 0.533  | ug/l   |          |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 6848     | 0.802  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 5767     | 0.717  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.02 | 105  | 6604     | 0.674  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.14 | 105  | 7134     | 0.686  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 5863     | 0.625  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene        | 13.25 | 146  | 2851     | 0.574  | ug/l   | 92       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 4107m    | 0.812  | ug/l   |          |
| 89) n-Butylbenzene             | 13.59 | 91   | 4962     | 0.601  | ug/l   | 91       |
| 90) Hexachloroethane           | 13.84 | 117  | 1113     | 0.632  | ug/l   | 83       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 3137     | 0.636  | ug/l   | 84       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 562      | 0.673  | ug/l   | 73       |

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Sample : L4214-09 .75PPB MDL  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

Manual Integrations  
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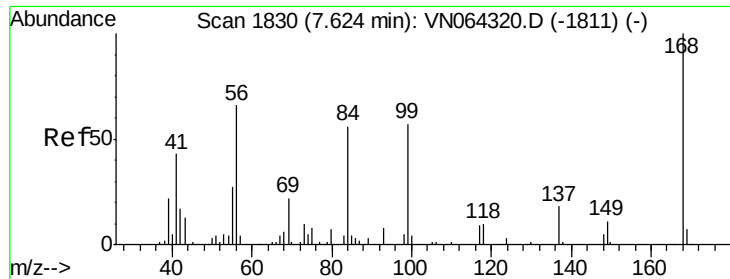
MMDadoda  
10/28/2020 12:36:01 PM

Quant Time: Oct 28 07:35:30 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102720W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 28 05:08:53 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|-------|------|----------|-------|--------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.89 | 180  | 1366     | 0.554 | ug/l # | 89       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 1227     | 0.810 | ug/l   | 89       |
| 95) Naphthalene            | 15.11 | 128  | 3303     | 0.434 | ug/l # | 82       |
| 96) 1,2,3-Trichlorobenzene | 15.29 | 180  | 1423     | 0.596 | ug/l   | 84       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:168 Resp: 246708

Ion Ratio Lower Upper

168 100

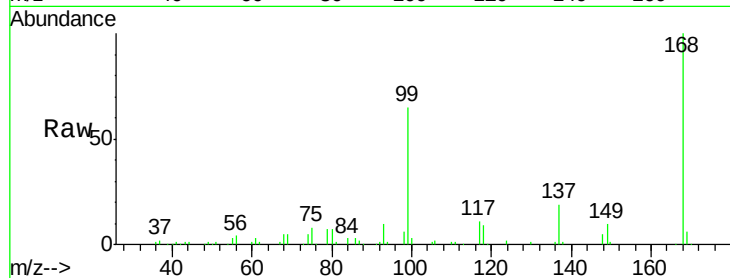
99 65.5 52.7 79.1

Manual Integrations

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10/28/2020 12:36:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

60000

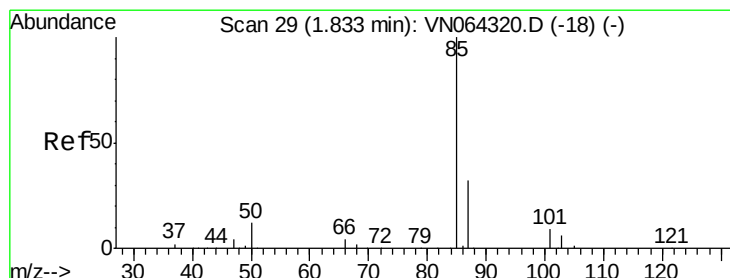
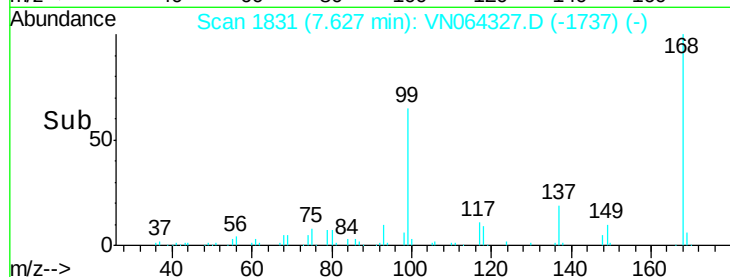
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.669 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064327.D

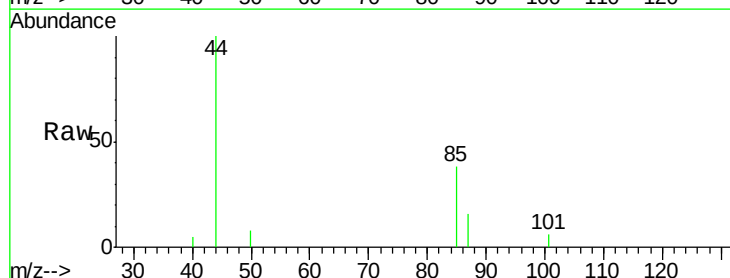
Acq: 27 Oct 2020 15:41

Tgt Ion: 85 Resp: 1896

Ion Ratio Lower Upper

85 100

87 42.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

1500

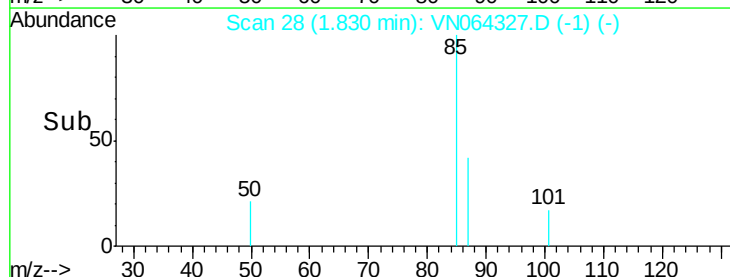
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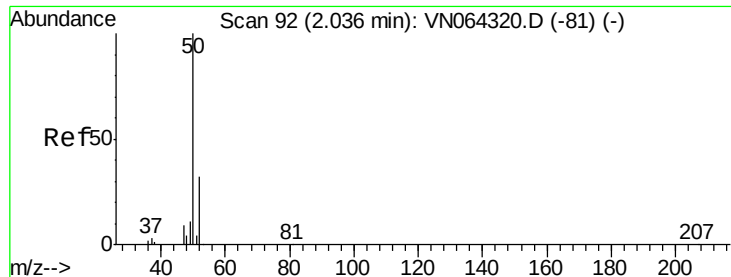
500

0

1.80 1.82 1.84 1.86

Time-->





#3

Chloromethane

Concen: 0.714 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 50 Resp: 2190

Ion Ratio Lower Upper

50 100

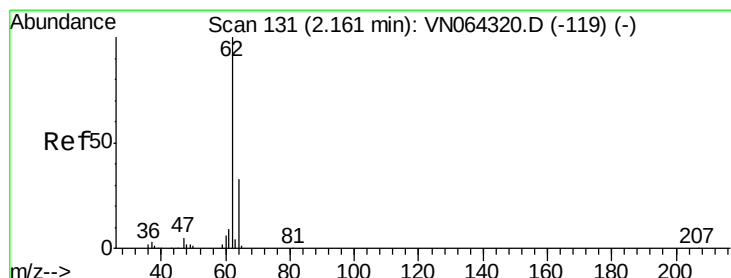
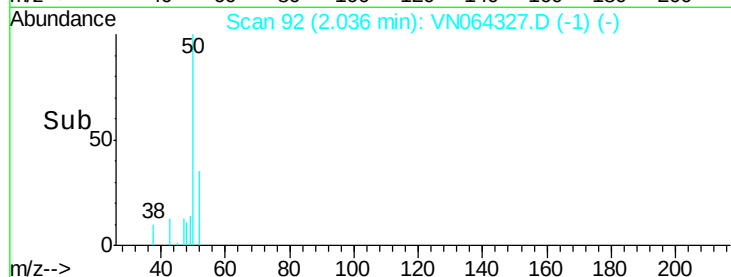
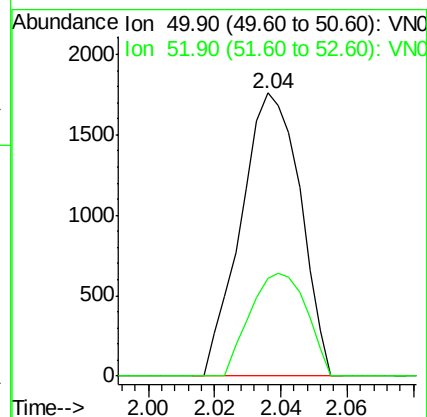
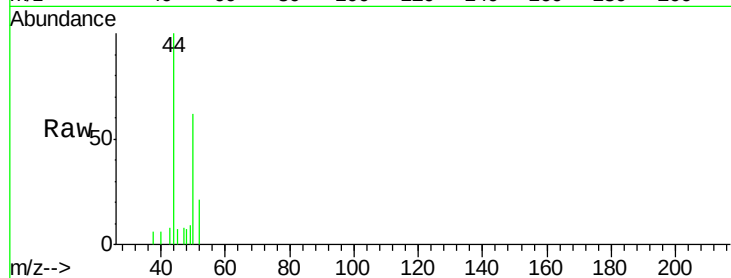
52 34.6 25.6 38.4

Manual Integrations

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10/28/2020 12:36:01 PM



#4

Vinyl Chloride

Concen: 0.785 ug/l

RT: 2.16 min Scan# 131

Delta R.T. 0.00 min

Lab File: VN064327.D

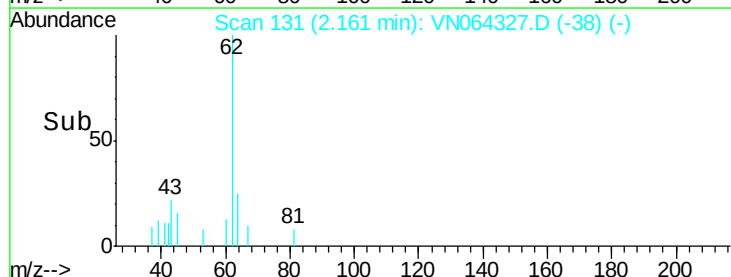
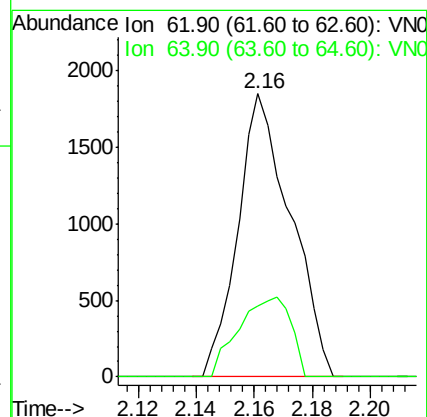
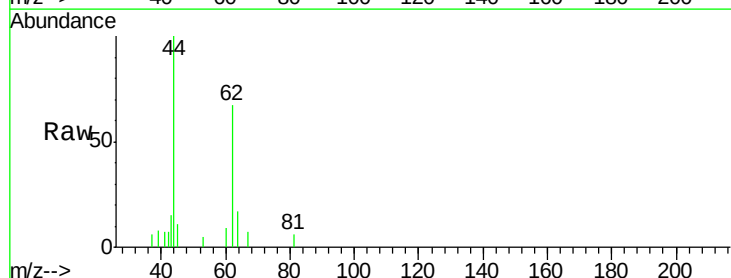
Acq: 27 Oct 2020 15:41

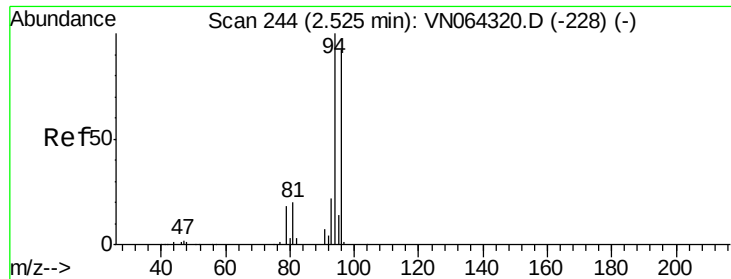
Tgt Ion: 62 Resp: 2328

Ion Ratio Lower Upper

62 100

64 24.9 26.2 39.4#





#5

Bromomethane

Concen: 1.181 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 94 Resp: 2262

Ion Ratio Lower Upper

94 100

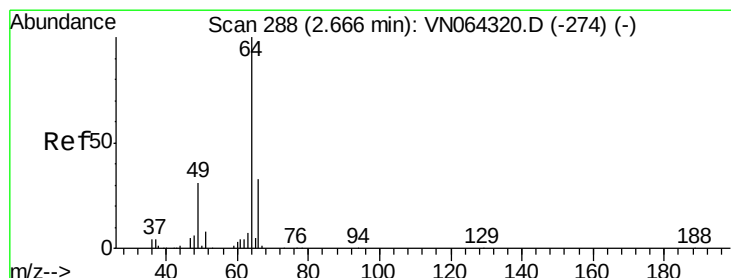
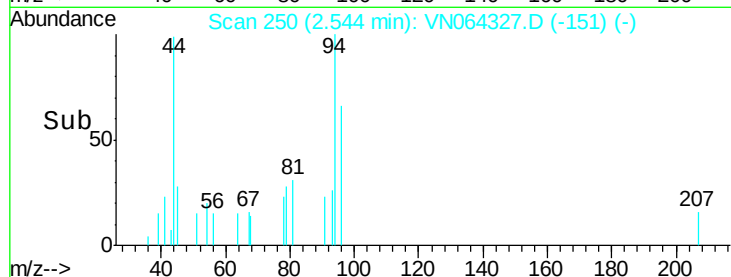
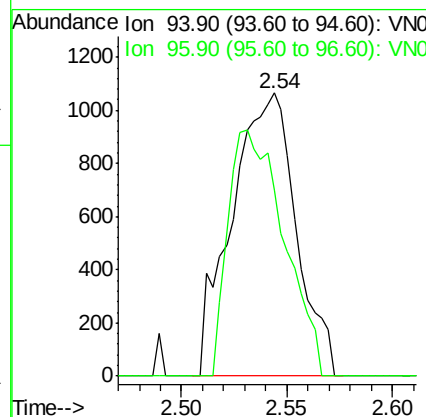
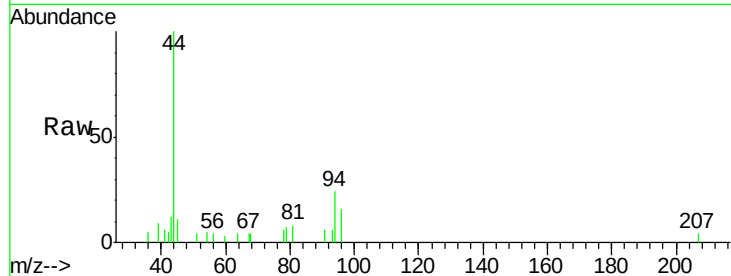
96 65.5 73.6 110.4#

Manual Integrations

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10/28/2020 12:36:01 PM



#6

Chloroethane

Concen: 0.949 ug/l

RT: 2.68 min Scan# 293

Delta R.T. 0.02 min

Lab File: VN064327.D

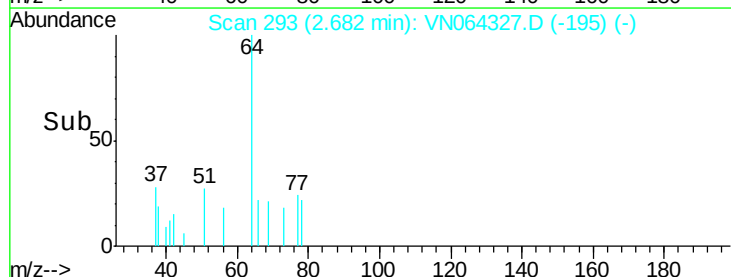
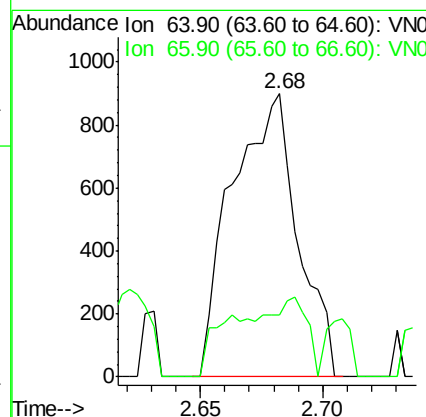
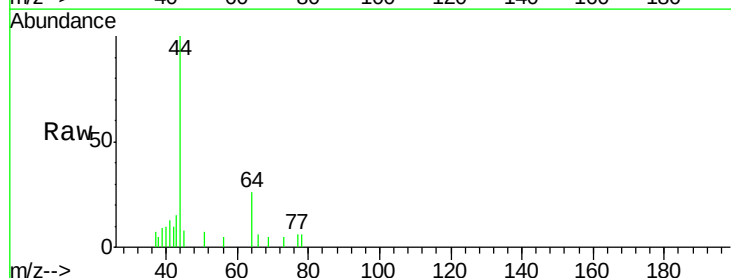
Acq: 27 Oct 2020 15:41

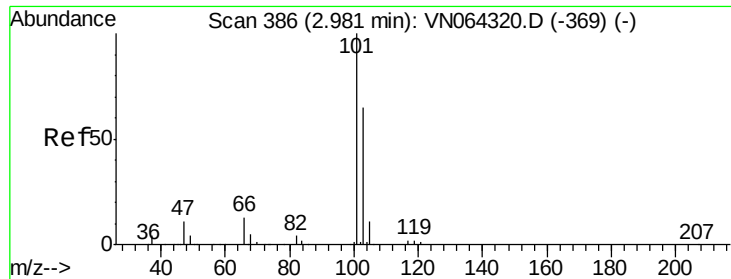
Tgt Ion: 64 Resp: 1681

Ion Ratio Lower Upper

64 100

66 21.7 26.5 39.7#





#7

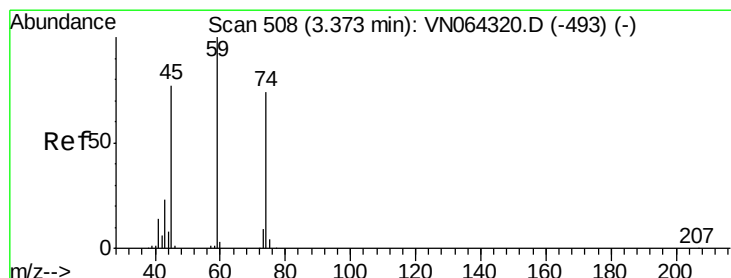
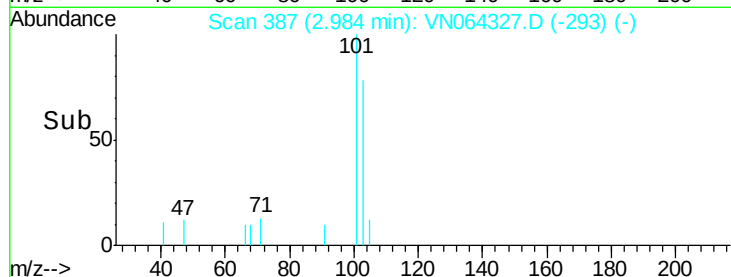
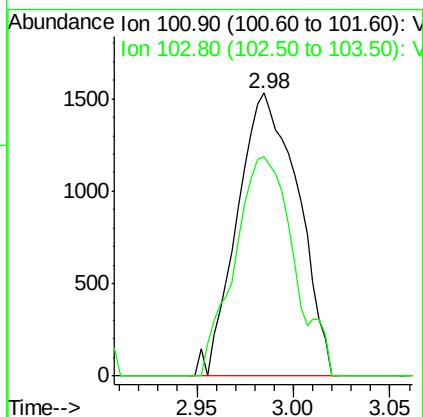
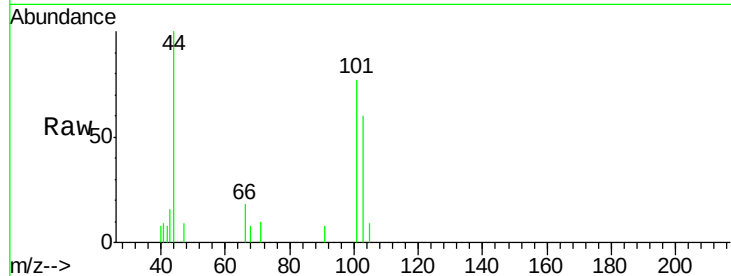
Trichlorofluoromethane  
Concen: 0.674 ug/l  
RT: 2.98 min Scan# 387  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
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ClientSampleId :  
MDL-WATER-03-QT4-2020

Tot Ion:101 Resp: 3350  
Ion Ratio Lower Upper  
101 100  
103 77.5 51.7 77.5#

Manual Integrations  
APPROVED

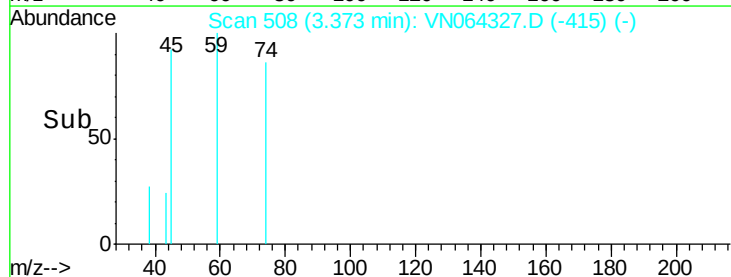
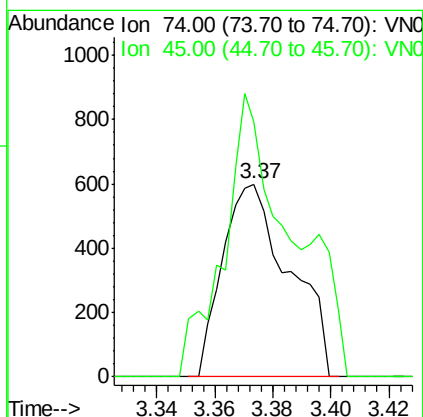
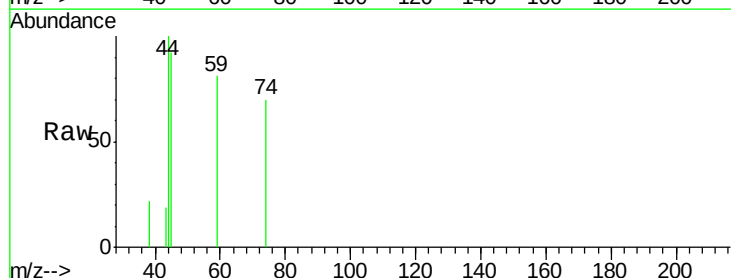
MMDadoda  
10/28/2020 12:36:01 PM



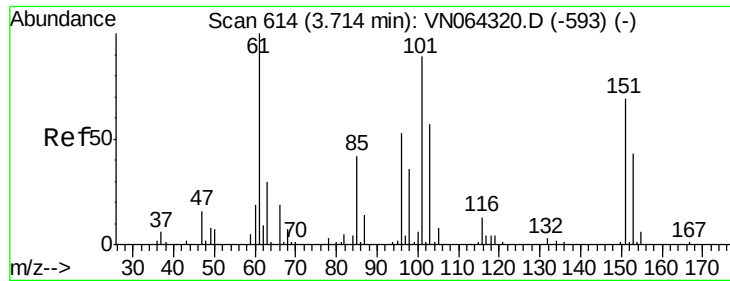
#8

Diethyl Ether  
Concen: 0.610 ug/l  
RT: 3.37 min Scan# 508  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Tgt Ion: 74 Resp: 959  
Ion Ratio Lower Upper  
74 100  
45 119.5 51.3 154.0







#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.665 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

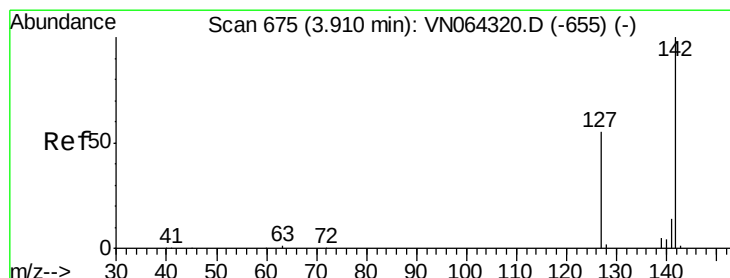
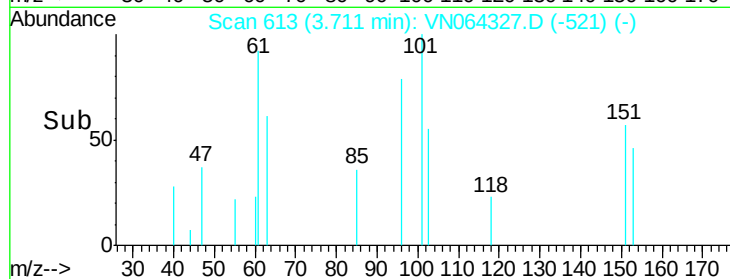
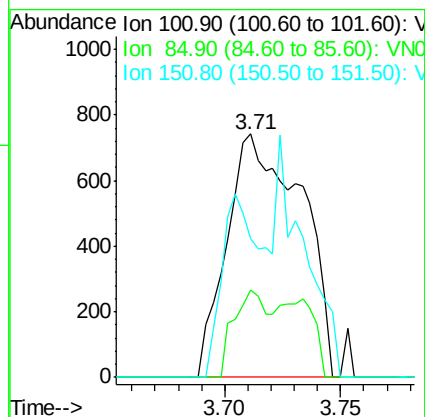
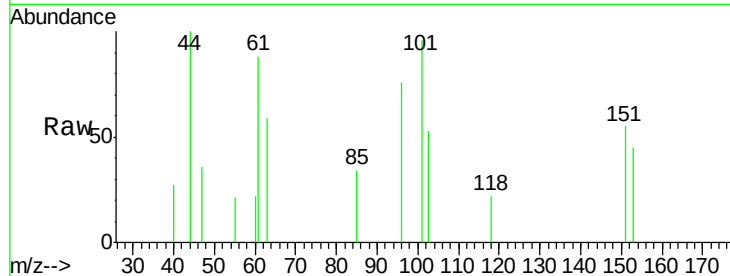
ClientSampleId :

MDL-WATER-03-QT4-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 1661  |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 17.0  | 38.4  | 57.6# |
| 151       | 32.7  | 62.0  | 93.0# |

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MMDadoda  
10/28/2020 12:36:01 PM



#10

Methyl Iodide

Concen: 0.586 ug/l m

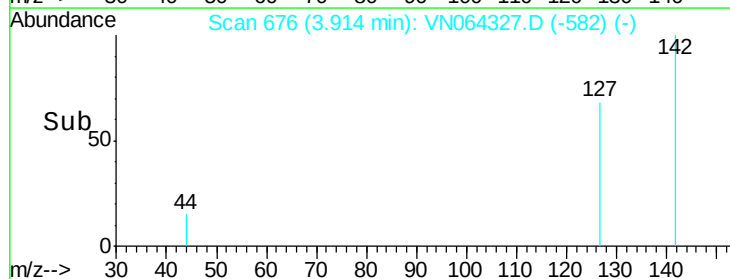
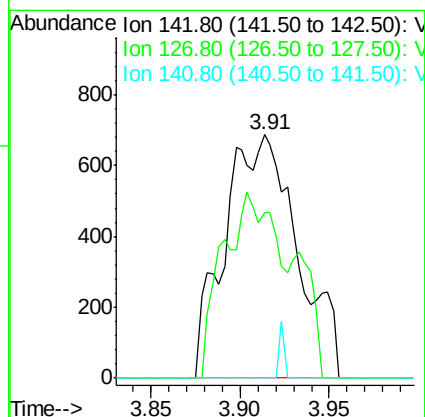
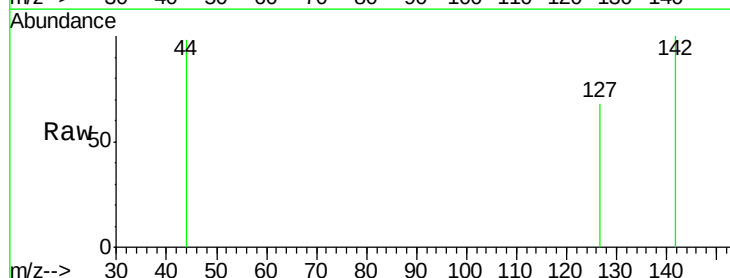
RT: 3.91 min Scan# 676

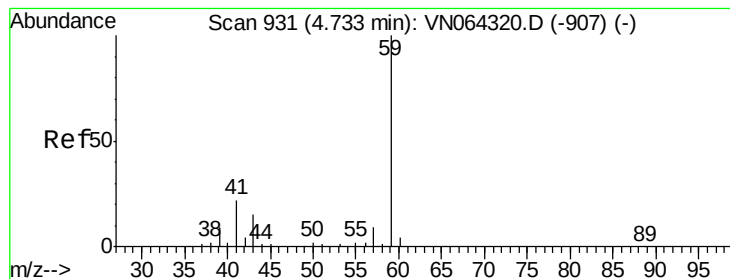
Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 1954  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 57.2  | 43.3  | 64.9  |
| 141       | 0.0   | 11.5  | 17.3# |





#11

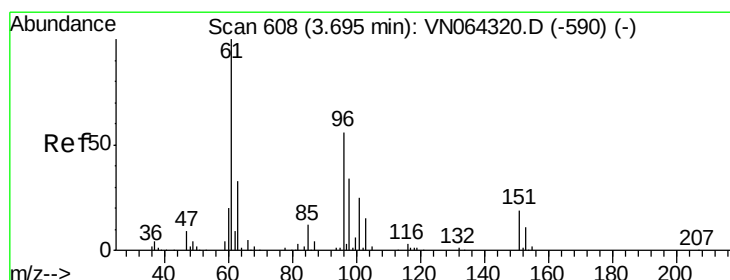
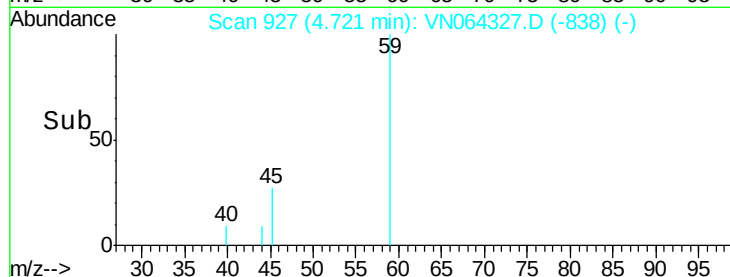
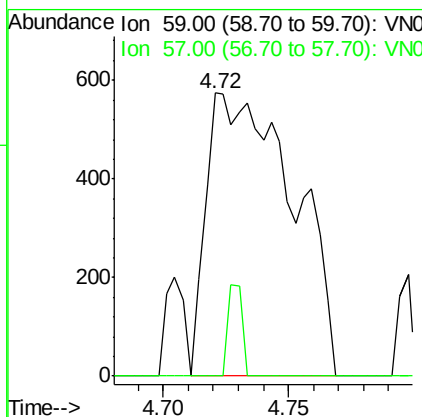
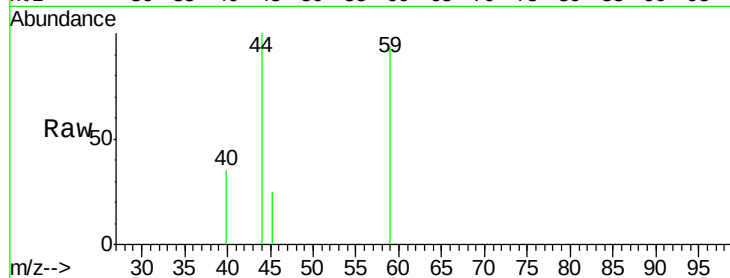
Tert butyl alcohol  
 Concen: 2.398 ug/l m  
 RT: 4.72 min Scan# 927  
 Delta R.T. -0.01 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 5.1   | 9.4   | 14.0# |

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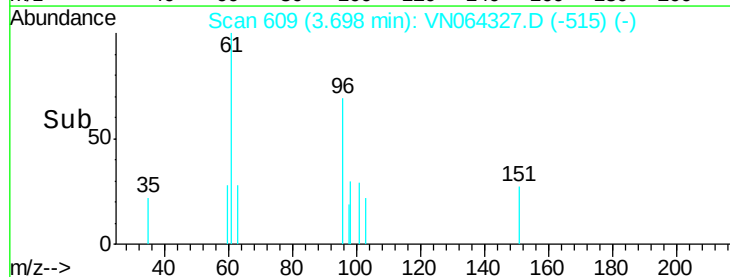
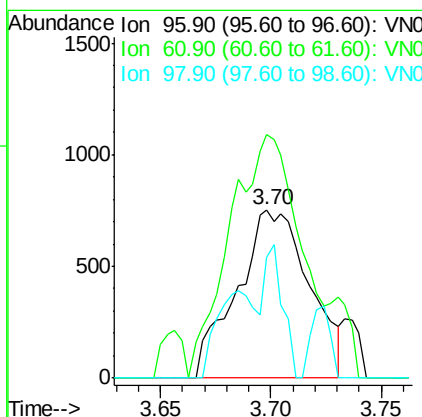
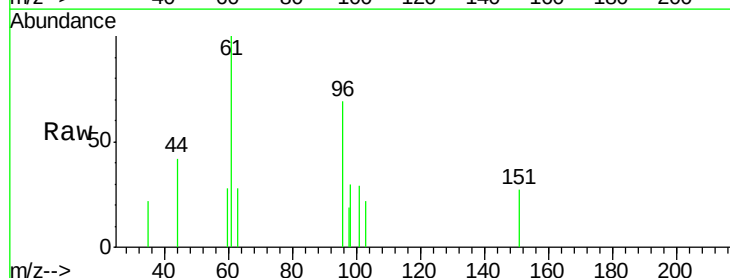
MMDadoda  
 10/28/2020 12:36:01 PM

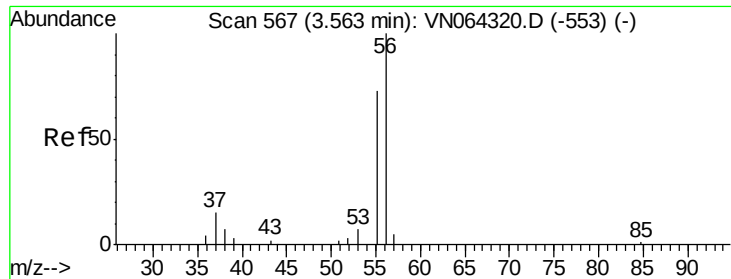


#12

1,1-Dichloroethene  
 Concen: 0.726 ug/l  
 RT: 3.70 min Scan# 609  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 144.8 | 143.6 | 215.4 |
| 98      | 71.4  | 48.6  | 73.0  |





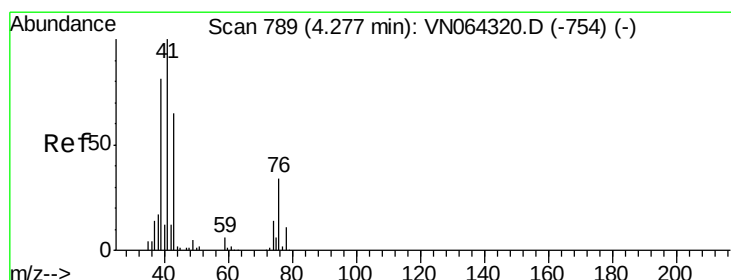
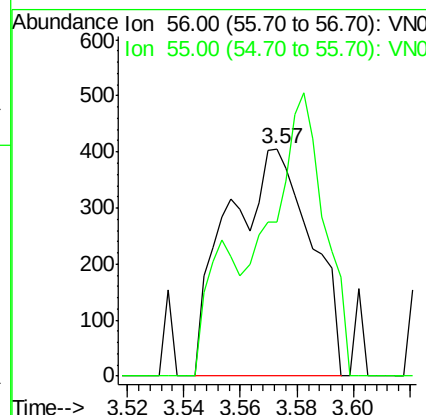
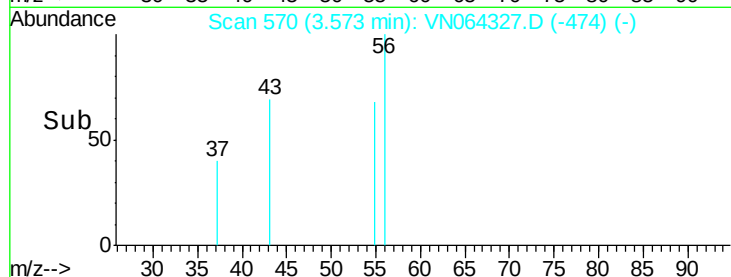
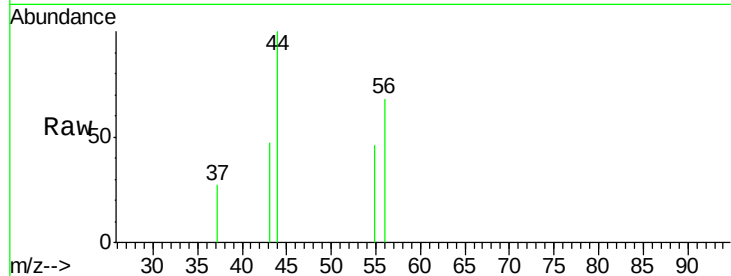
#13  
 Acrolein  
 Concen: 6.208 ug/l m  
 RT: 3.57 min Scan# 570  
 Delta R.T. 0.01 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT4-2020

Tot Ion: 56 Resp: 827  
 Ion Ratio Lower Upper  
 56 100  
 55 23.1 62.6 94.0#

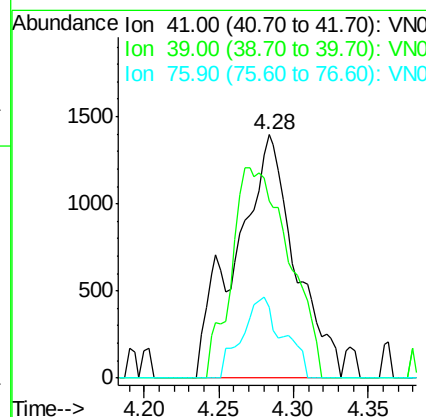
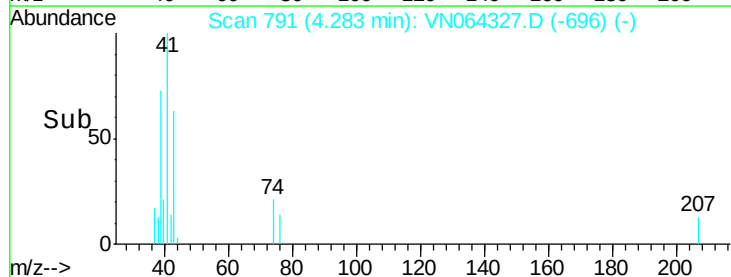
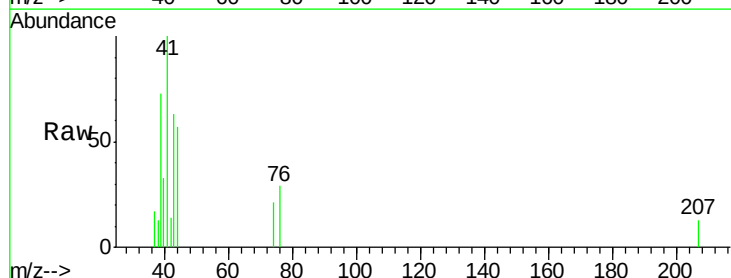
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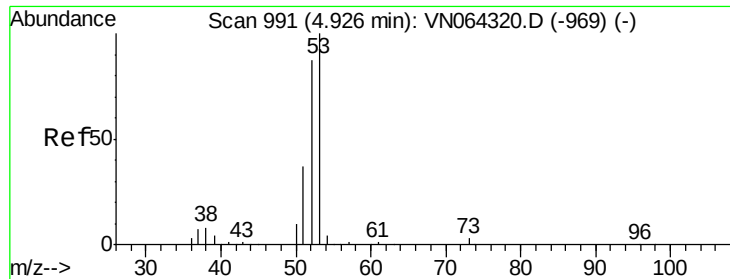
MMDadoda  
 10/28/2020 12:36:01 PM



#14  
 Allyl chloride  
 Concen: 0.801 ug/l m  
 RT: 4.28 min Scan# 791  
 Delta R.T. 0.01 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Tgt Ion: 41 Resp: 3856  
 Ion Ratio Lower Upper  
 41 100  
 39 83.2 61.7 92.5  
 76 23.0 24.0 36.0#





#15

Acrylonitrile

Concen: 2.712 ug/l

RT: 4.95 min Scan# 998

Delta R.T. 0.02 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

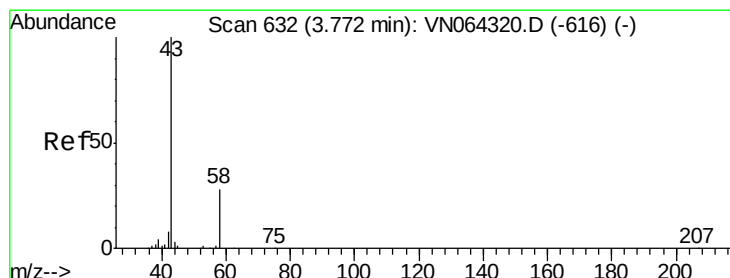
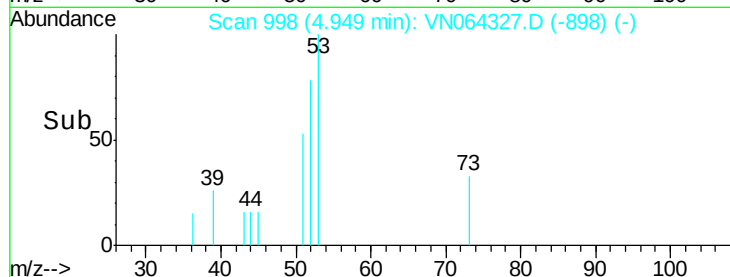
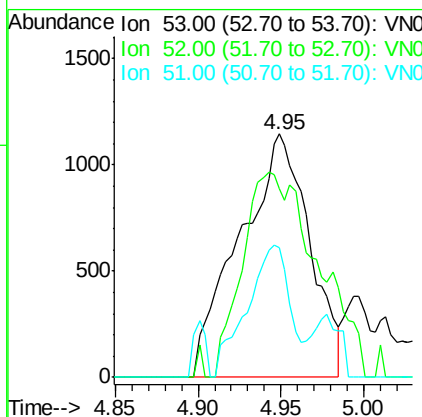
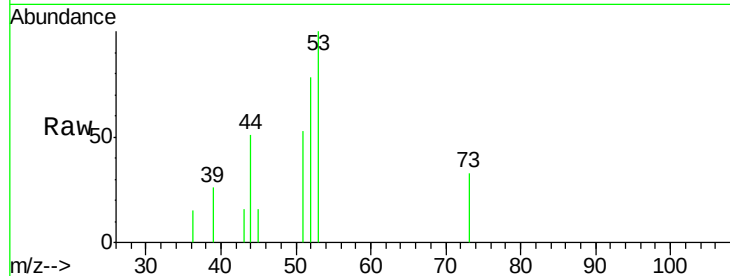
ClientSampleId :

MDL-WATER-03-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 3357  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 90.5  | 65.9  | 98.9  |
| 51       | 33.3  | 30.4  | 45.6  |

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#16

Acetone

Concen: 3.698 ug/l

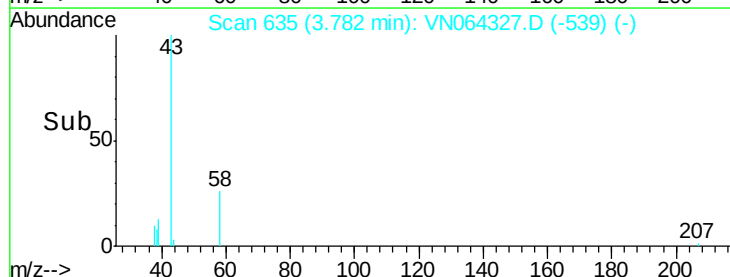
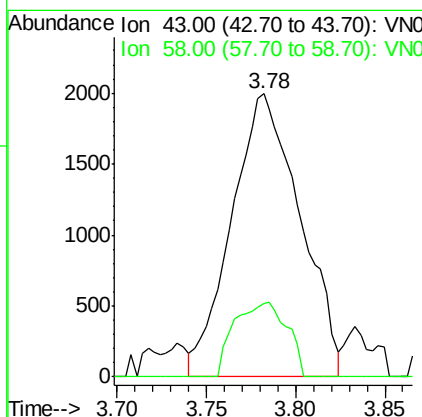
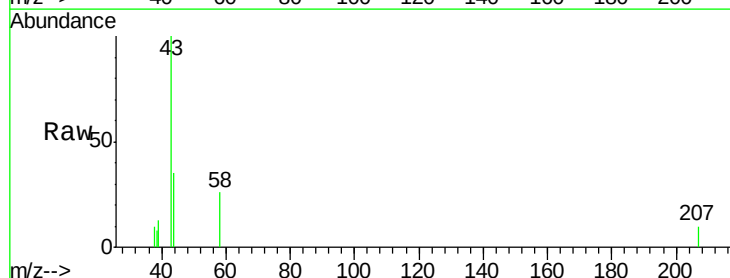
RT: 3.78 min Scan# 635

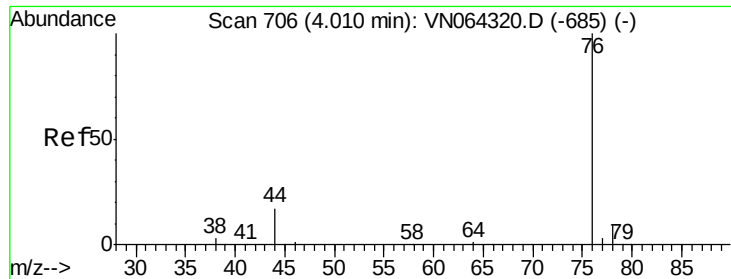
Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5346  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.1  | 22.1  | 33.1  |





#17

Carbon Disulfide

Concen: 0.698 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 76 Resp: 4869

Ion Ratio Lower Upper

76 100

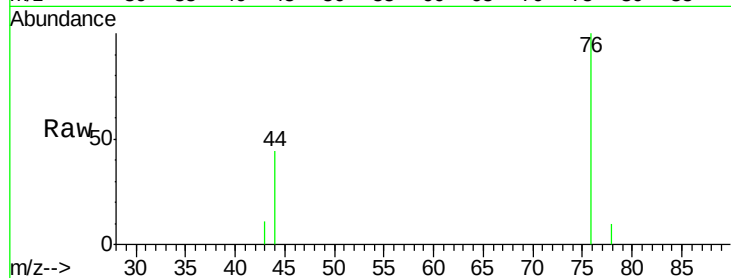
78 10.2 7.3 10.9

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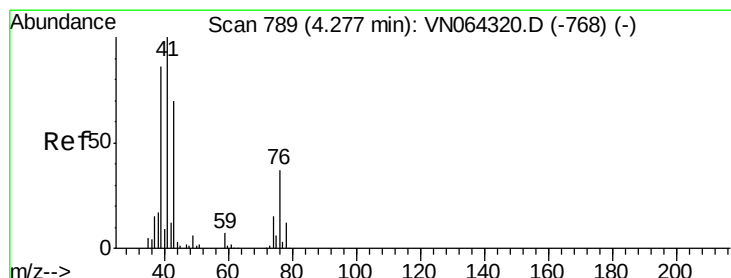
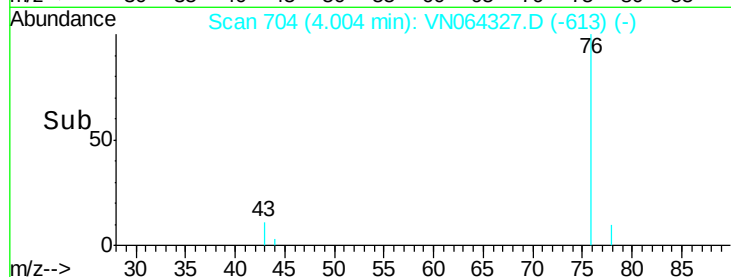
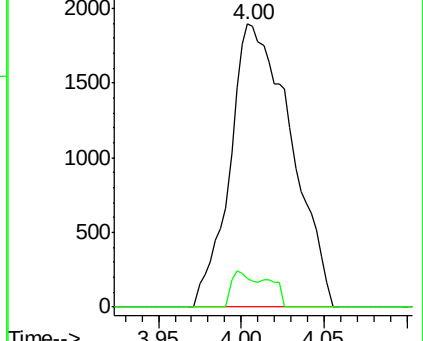
MMDadoda

10/28/2020 12:36:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.824 ug/l m

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN064327.D

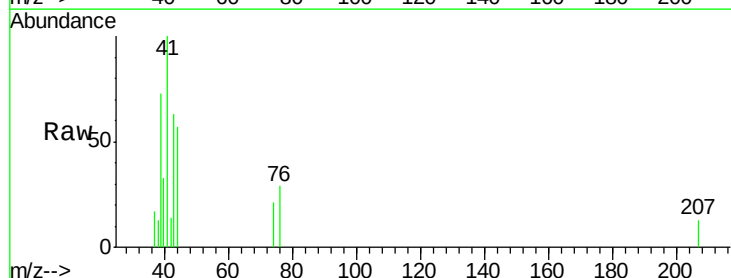
Acq: 27 Oct 2020 15:41

Tgt Ion: 43 Resp: 2454

Ion Ratio Lower Upper

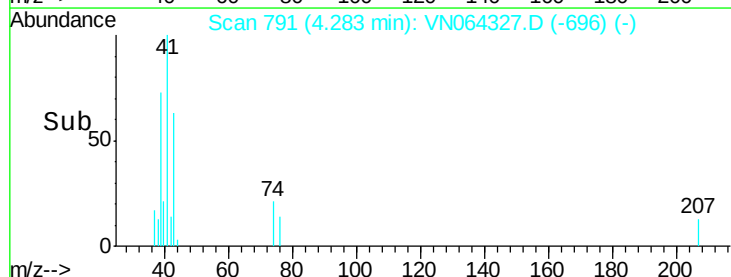
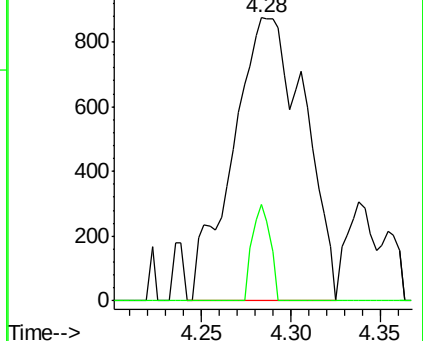
43 100

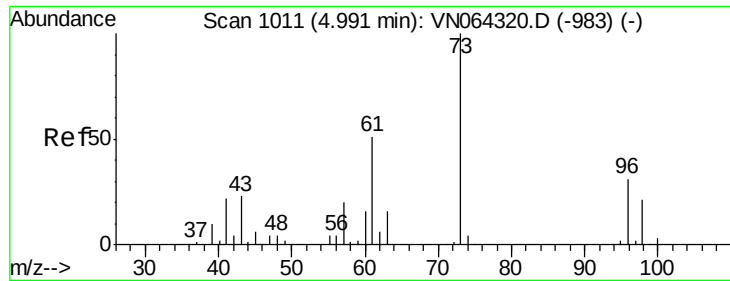
74 8.7 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





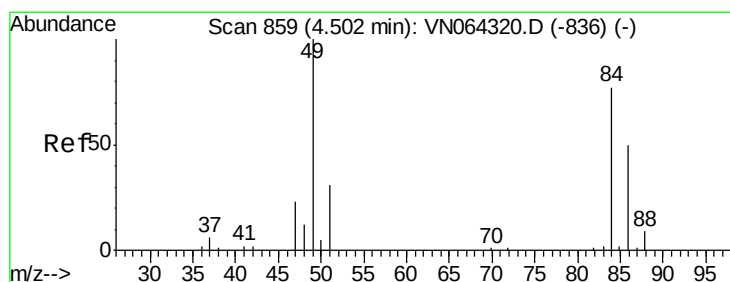
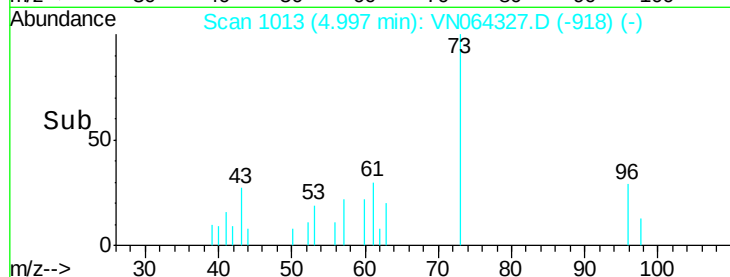
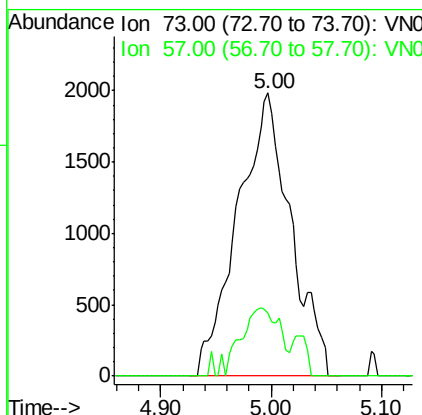
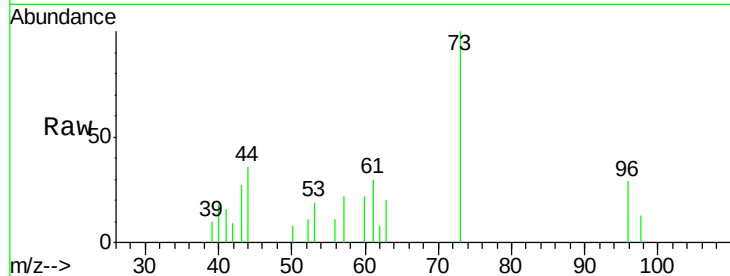
#19  
Methyl tert-butyl Ether  
Concen: 0.726 ug/l m  
RT: 5.00 min Scan# 1013  
Delta R.T. 0.01 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

Tot Ion: 73 Resp: 6576  
Ion Ratio Lower Upper  
73 100  
57 22.2 16.1 24.1

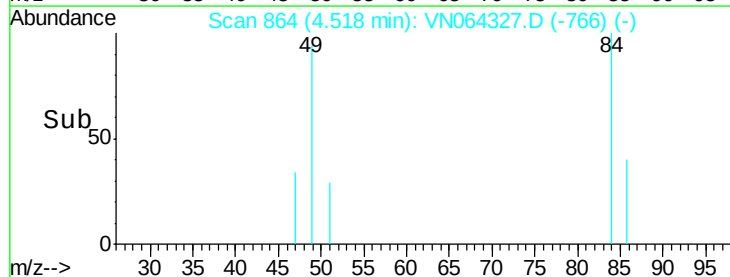
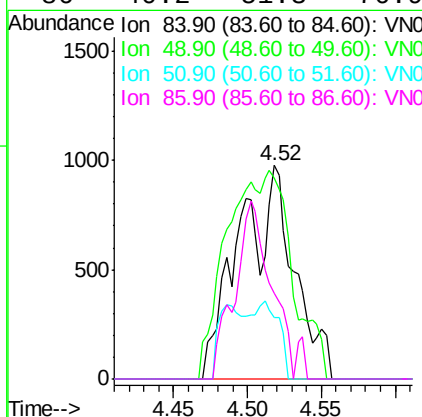
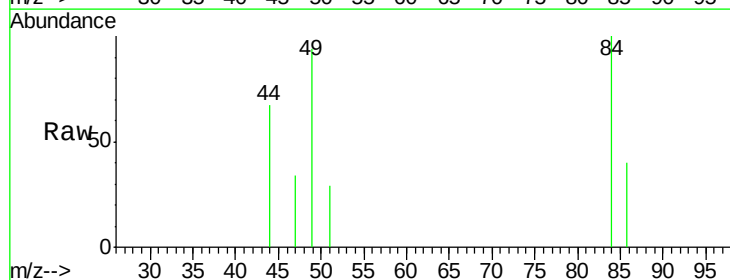
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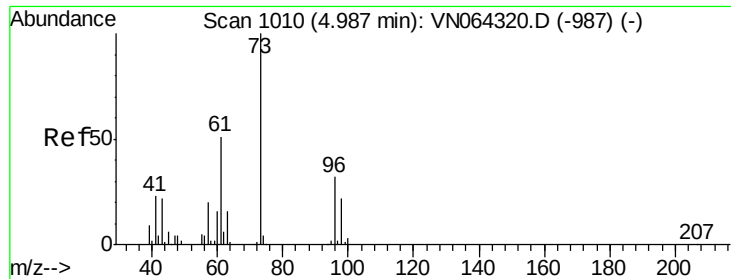
MMDadoda  
10/28/2020 12:36:01 PM



#20  
Methylene Chloride  
Concen: 0.897 ug/l m  
RT: 4.52 min Scan# 864  
Delta R.T. 0.02 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Tgt Ion: 84 Resp: 2521  
Ion Ratio Lower Upper  
84 100  
49 94.1 103.6 155.4#  
51 29.0 31.8 47.8#  
86 40.2 51.3 76.9#





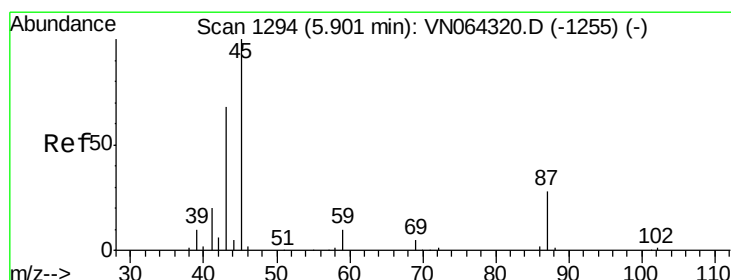
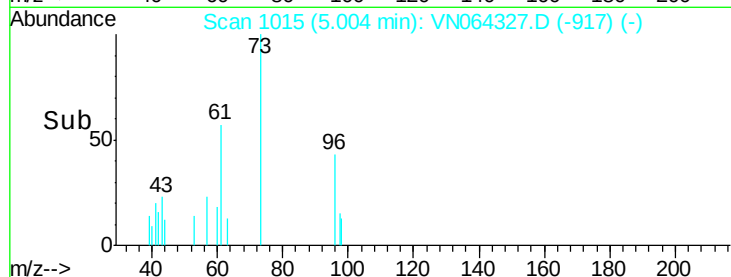
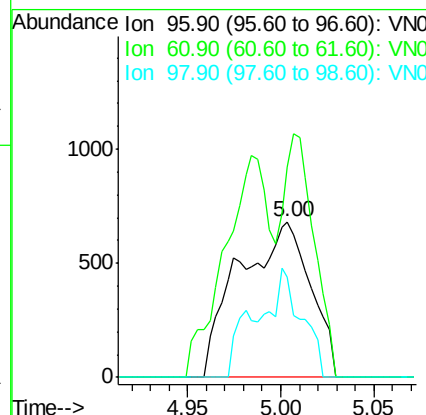
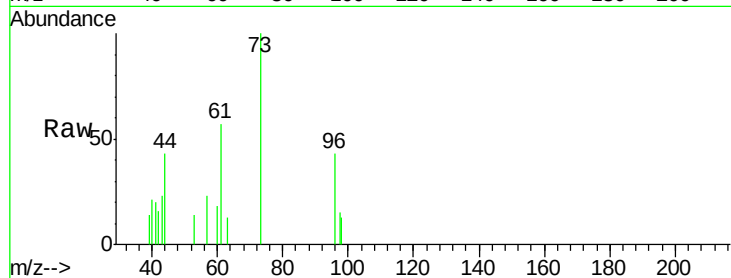
#21  
trans-1,2-Dichloroethene  
Concen: 0.691 ug/l m  
RT: 5.00 min Scan# 1015  
Delta R.T. 0.02 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 135.0 | 128.2 | 192.2 |
| 98      | 34.8  | 56.1  | 84.1# |

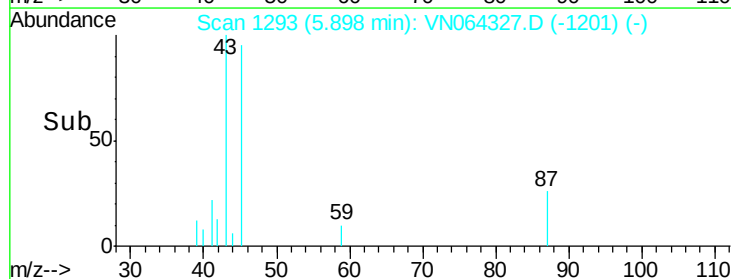
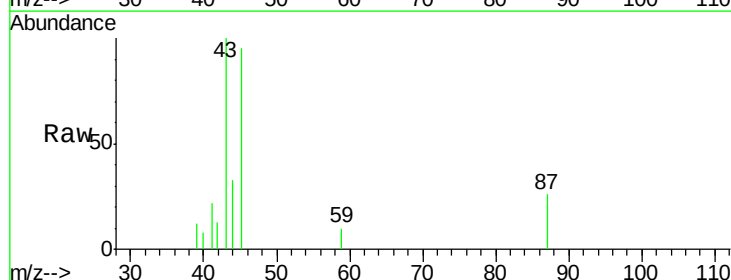
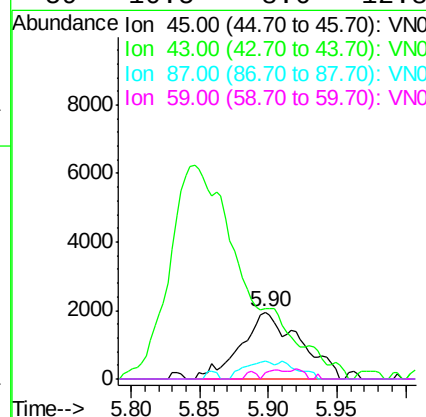
Manual Integrations  
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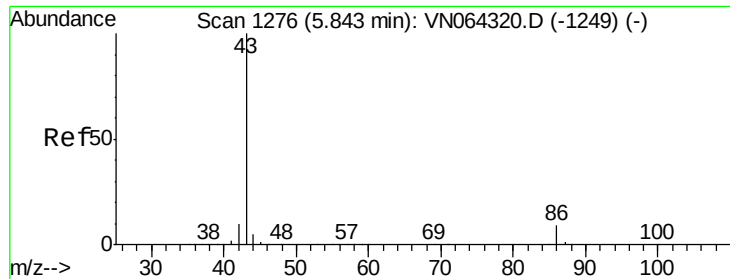
MMDadoda  
10/28/2020 12:36:01 PM



#22  
Diisopropyl ether  
Concen: 0.613 ug/l m  
RT: 5.90 min Scan# 1293  
Delta R.T. -0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 105.4 | 54.6  | 82.0# |
| 87      | 27.2  | 22.6  | 33.8  |
| 59      | 10.5  | 8.6   | 12.8  |





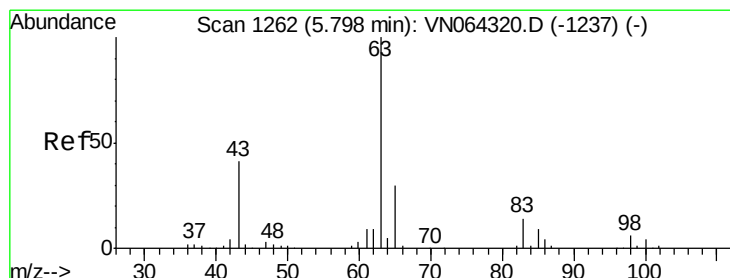
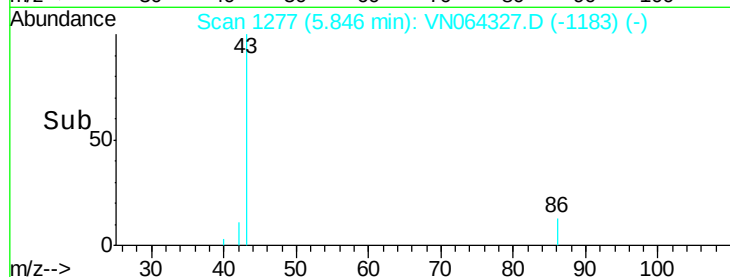
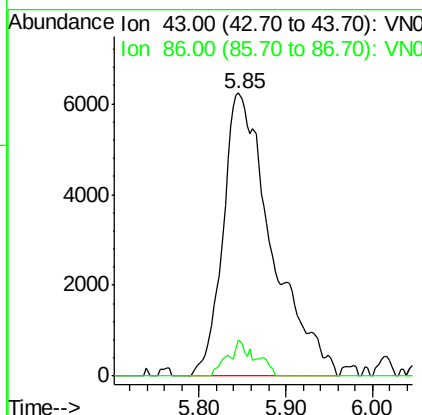
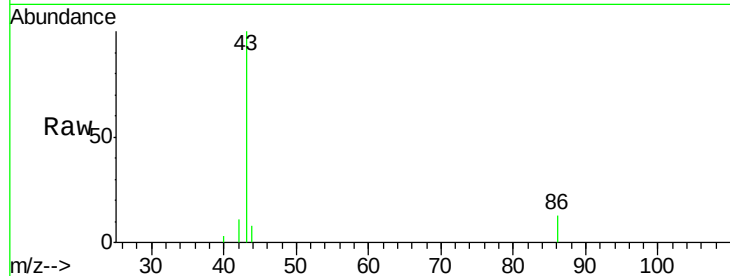
#23  
 Vinyl Acetate  
 Concen: 3.053 ug/l m  
 RT: 5.85 min Scan# 1277  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT4-2020

| Tot Ion   | 43.00 | Resp  | 24298 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 86        | 13.0  | 7.3   | 10.9# |

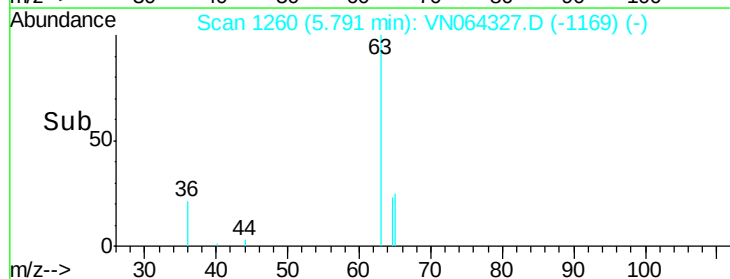
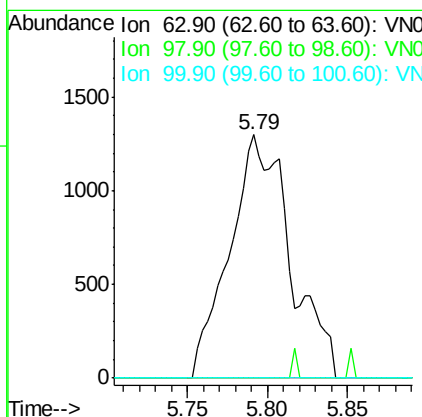
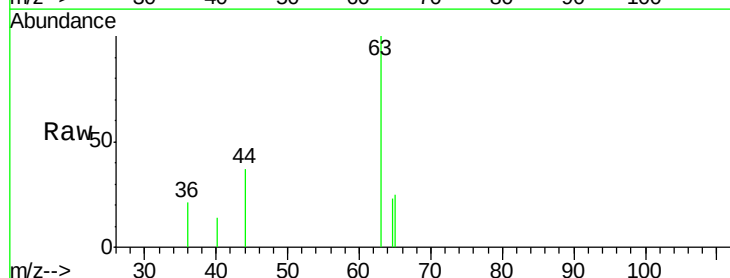
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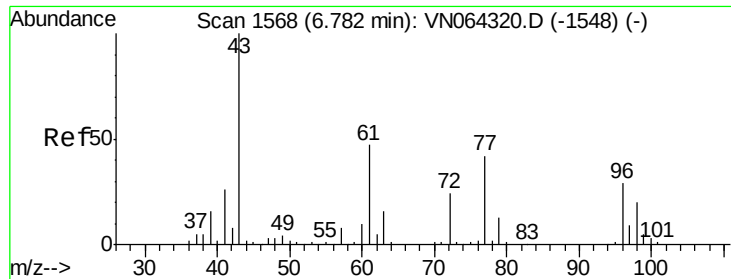


#24  
 1,1-Dichloroethane  
 Concen: 0.654 ug/l m  
 RT: 5.79 min Scan# 1260  
 Delta R.T. -0.01 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

| Tgt Ion   | 63    | Resp  | 3443 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 98        | 0.0   | 3.1   | 9.4# |
| 100       | 0.0   | 2.0   | 5.8# |







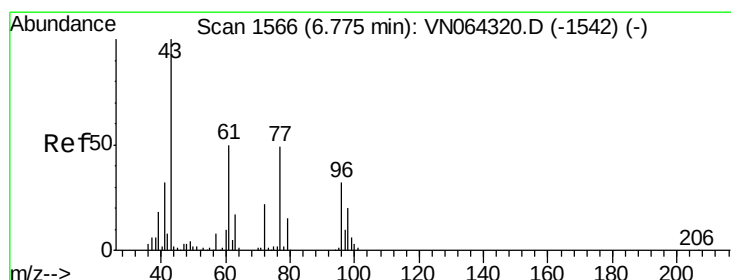
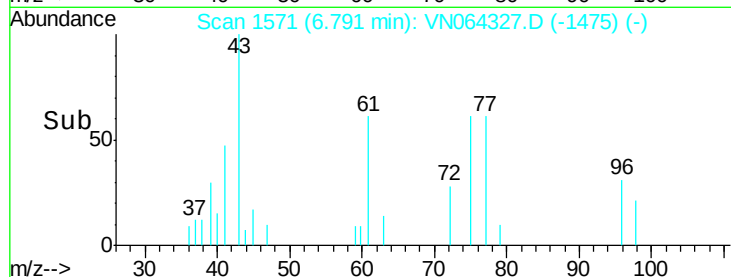
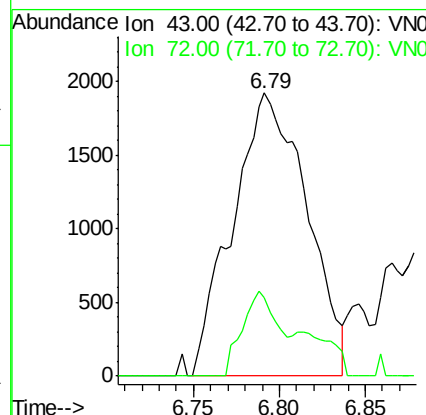
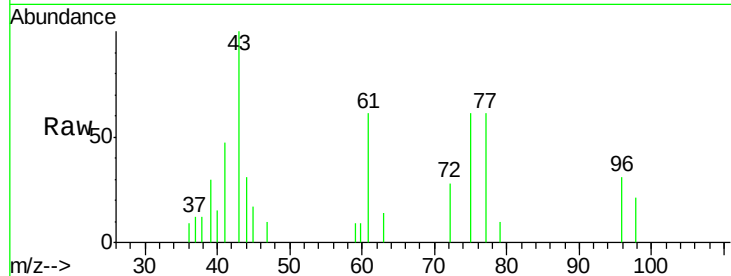
#25  
2-Butanone  
Concen: 2.896 ug/l  
RT: 6.79 min Scan# 1571  
Delta R.T. 0.01 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 5764  
Ion Ratio Lower Upper  
43 100  
72 27.9 18.8 28.2

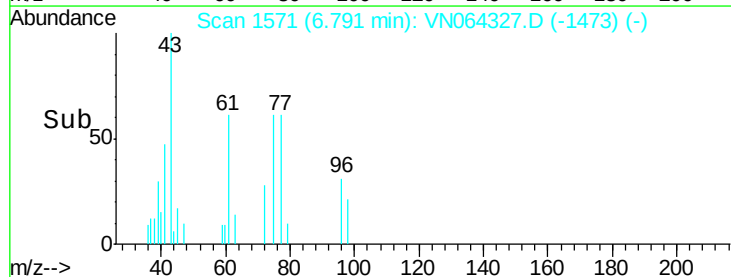
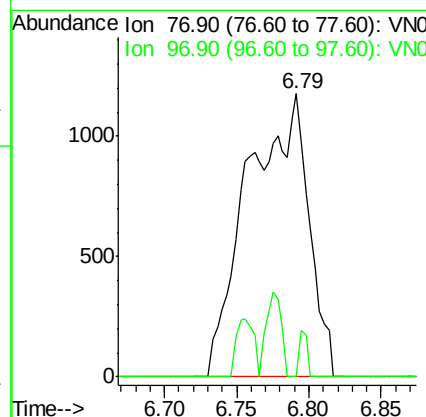
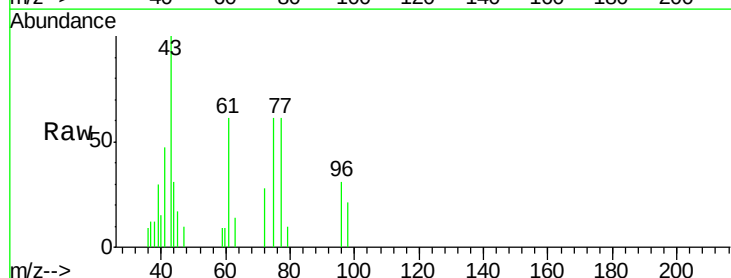
Manual Integrations  
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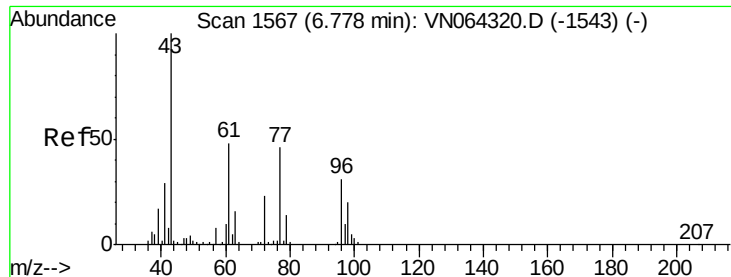
MMDadoda  
10/28/2020 12:36:01 PM



#26  
2,2-Dichloropropane  
Concen: 0.664 ug/l m  
RT: 6.79 min Scan# 1571  
Delta R.T. 0.02 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Tgt Ion: 77 Resp: 3419  
Ion Ratio Lower Upper  
77 100  
97 5.8 10.2 30.6#





#27

cis-1,2-Dichloroethene

Concen: 0.629 ug/l m

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

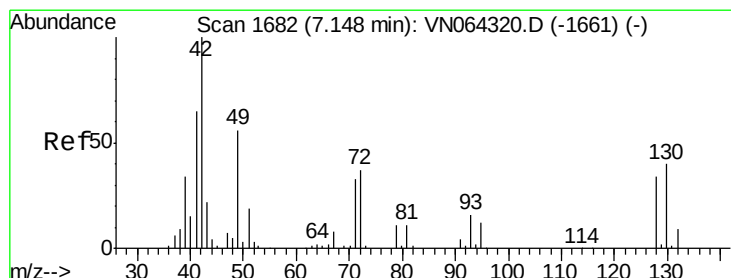
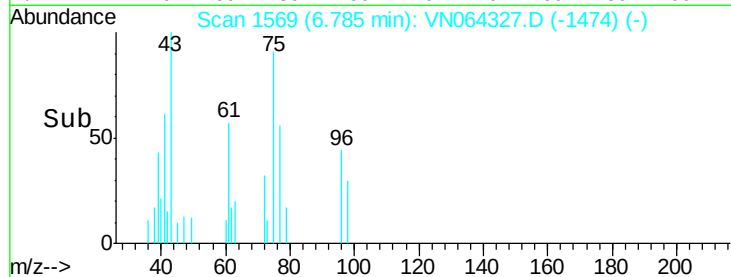
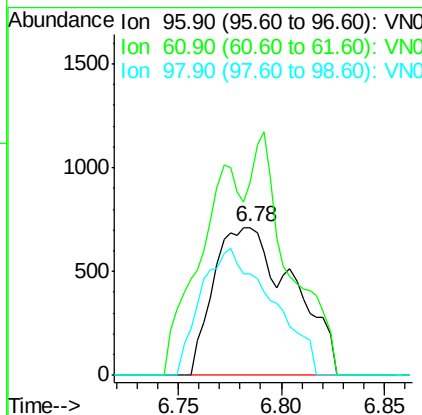
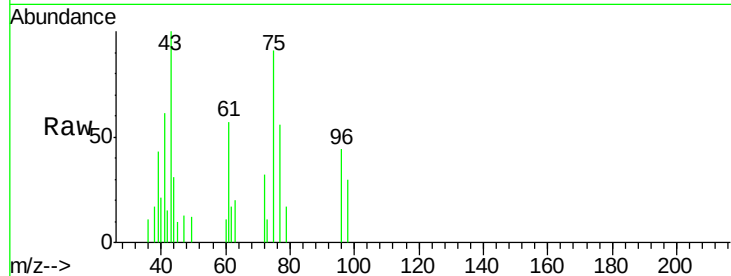
ClientSampleId :

MDL-WATER-03-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 1893  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 81.5  | 0.0   | 325.0 |
| 98       | 0.0   | 0.0   | 128.4 |

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#28

Bromochloromethane

Concen: 0.535 ug/l m

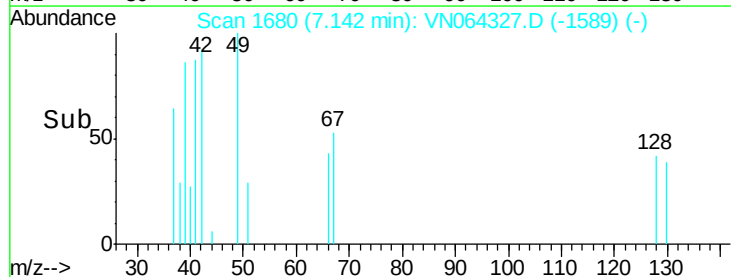
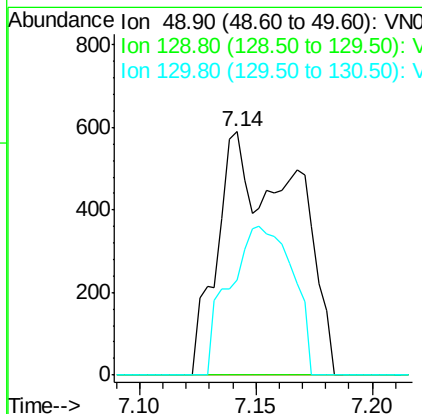
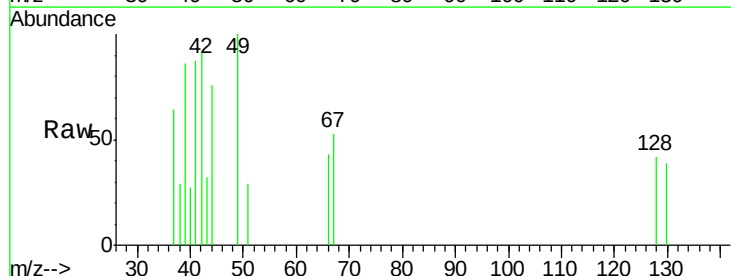
RT: 7.14 min Scan# 1680

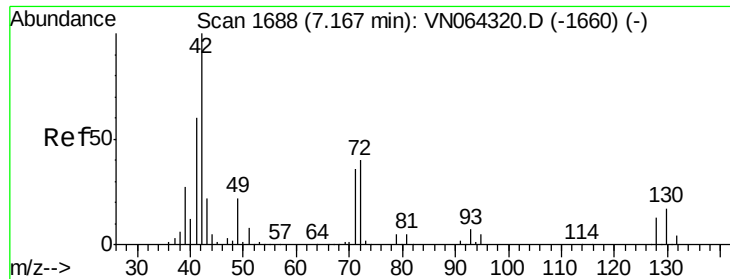
Delta R.T. -0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 1341  |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.0   | 0.0   | 2.8   |
| 130      | 50.6  | 56.2  | 84.2# |





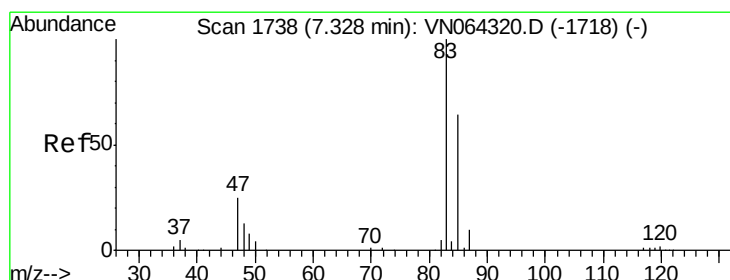
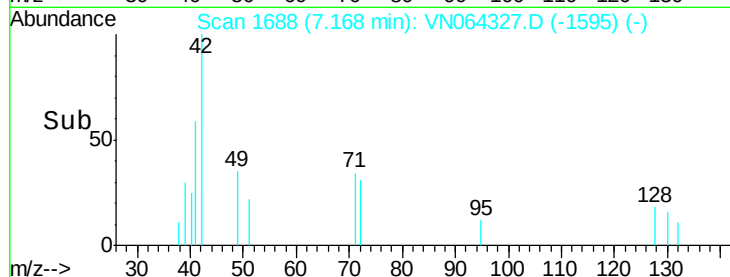
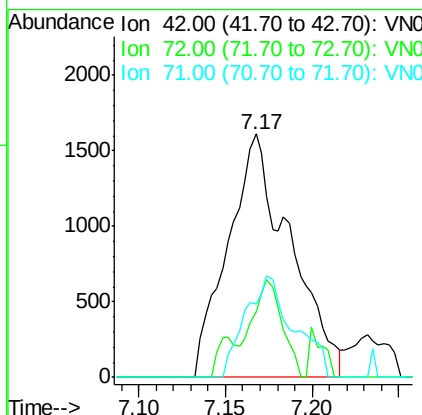
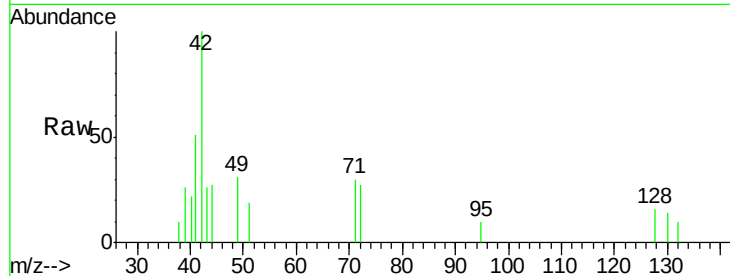
#29  
Tetrahydrofuran  
Concen: 3.107 ug/l m  
RT: 7.17 min Scan# 1688  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 19.3  | 31.6  | 47.4# |
| 71      | 32.4  | 29.4  | 44.0  |

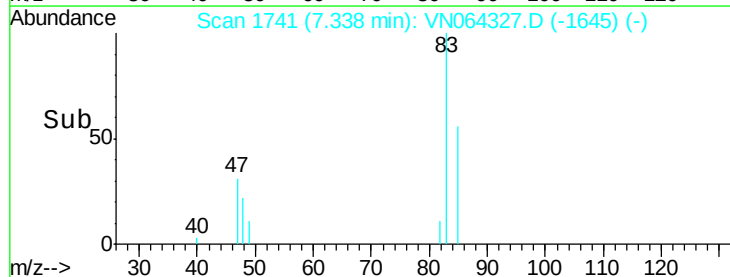
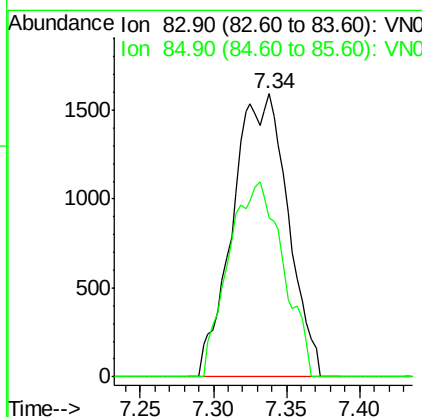
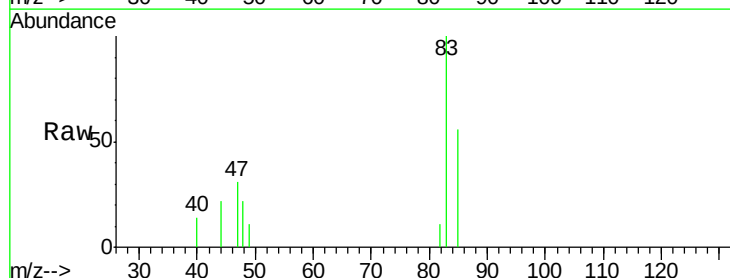
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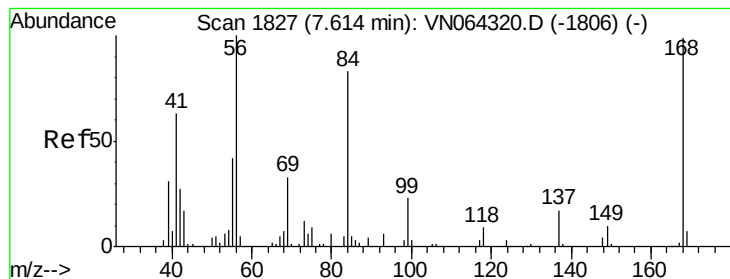
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#30  
Chloroform  
Concen: 0.742 ug/l m  
RT: 7.34 min Scan# 1741  
Delta R.T. 0.01 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 56.0  | 51.1  | 76.7  |





#31

Cyclohexane

Concen: 1.830 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

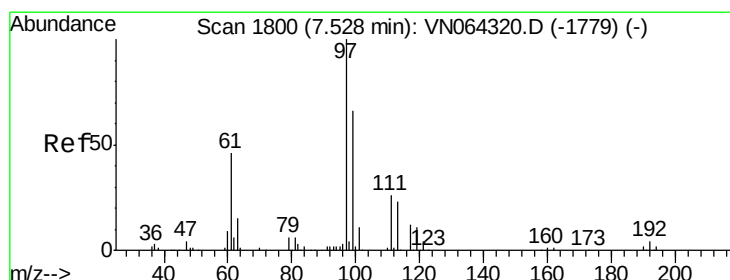
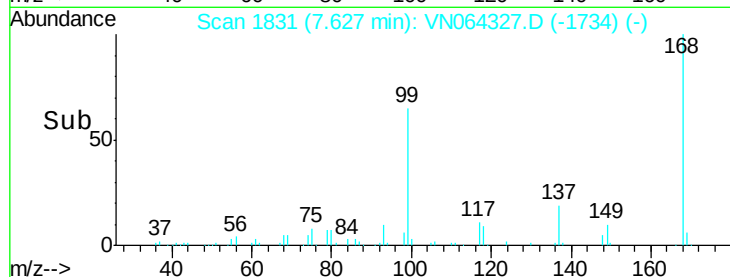
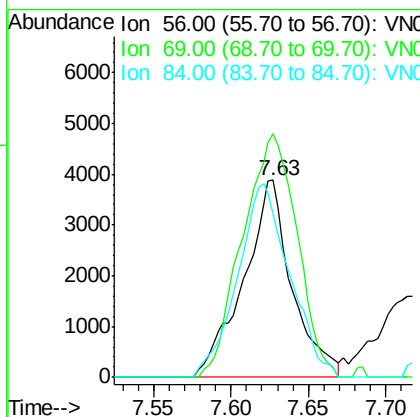
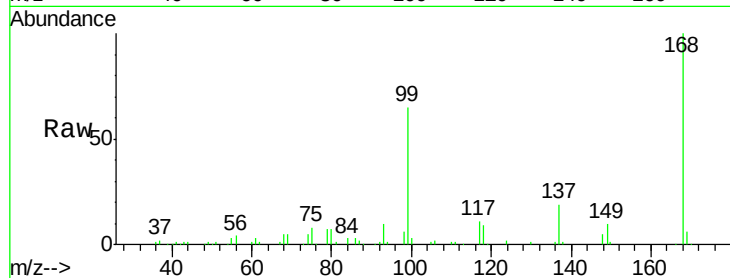
ClientSampleId :

MDL-WATER-03-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 8420  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 123.4 | 25.8  | 38.8# |
| 84       | 83.4  | 66.3  | 99.5  |

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#32

1,1,1-Trichloroethane

Concen: 0.652 ug/l

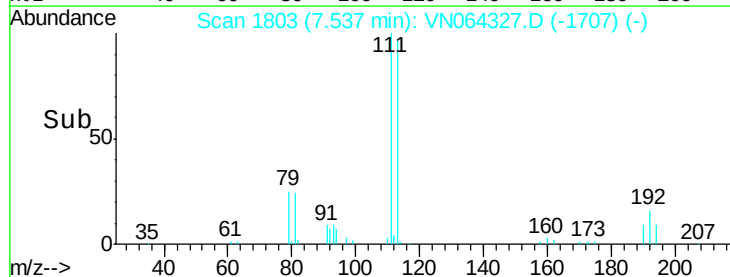
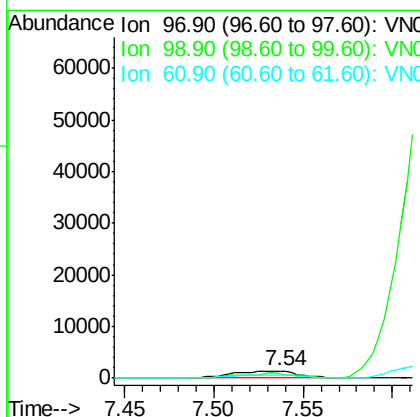
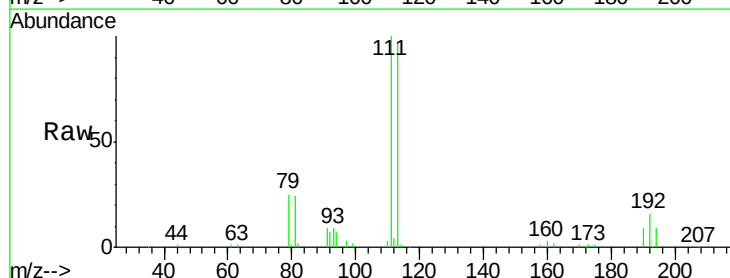
RT: 7.54 min Scan# 1803

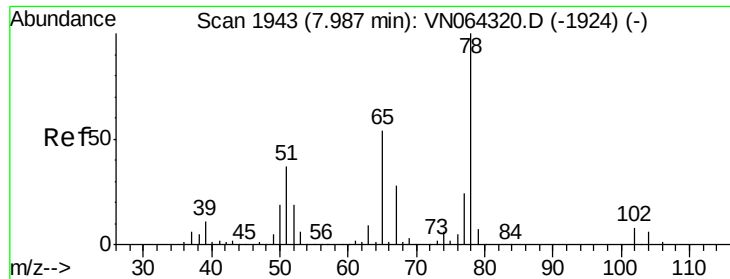
Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 3517  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 0.0   | 50.6  | 76.0# |
| 61       | 48.6  | 35.8  | 53.6  |





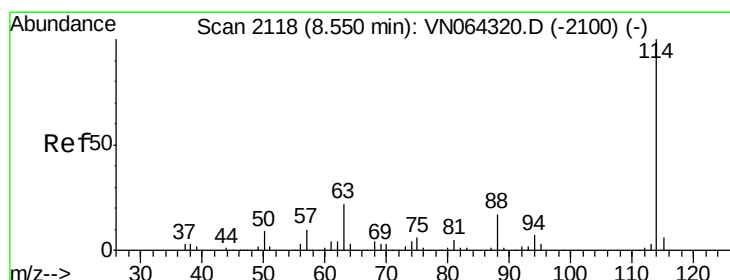
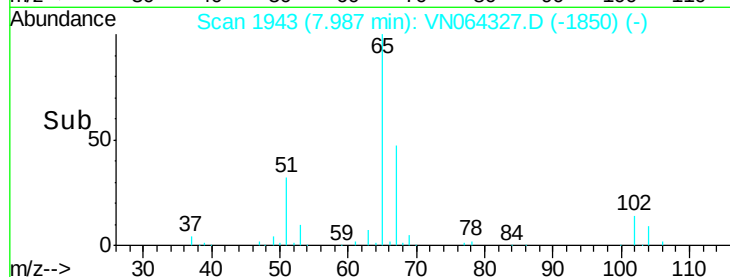
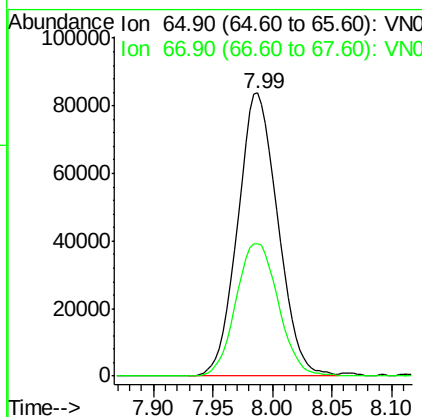
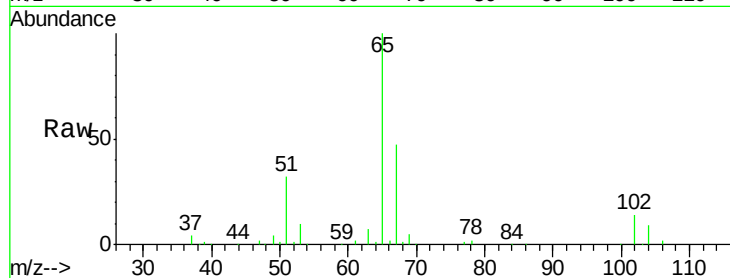
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.523 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 196336 |       |       |
| 67      | 49.3  | 0.0    | 99.2  |       |

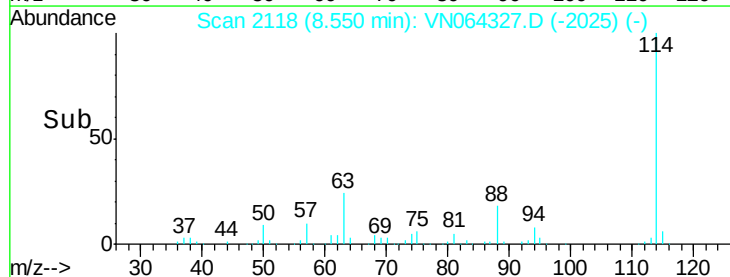
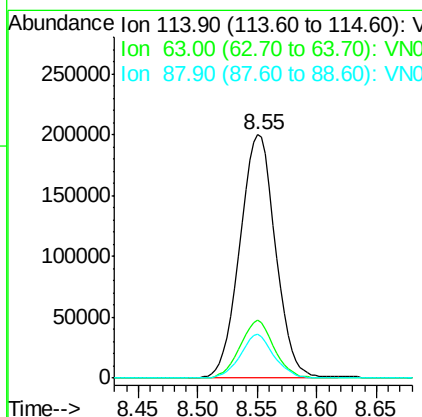
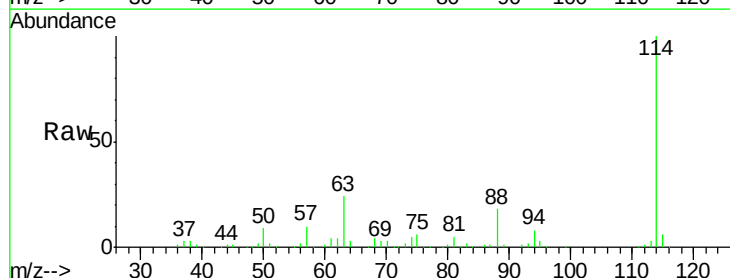
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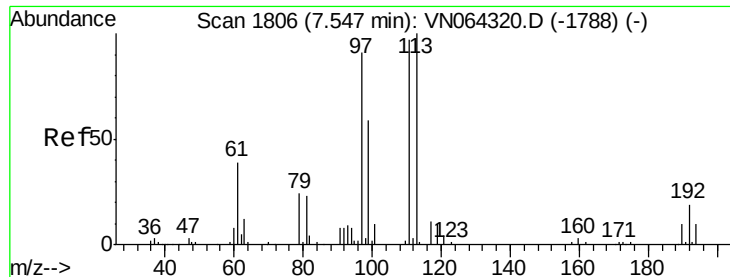
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 416038 |       |       |
| 63      | 23.6  | 0.0    | 44.6  |       |
| 88      | 17.9  | 0.0    | 33.4  |       |





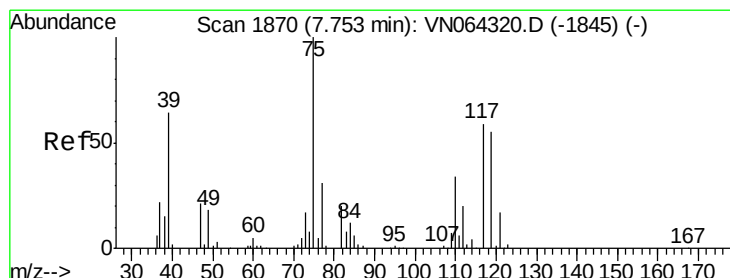
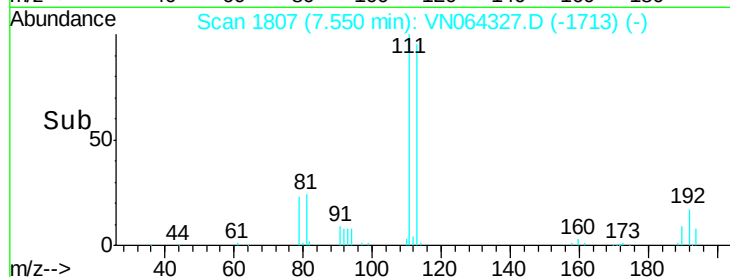
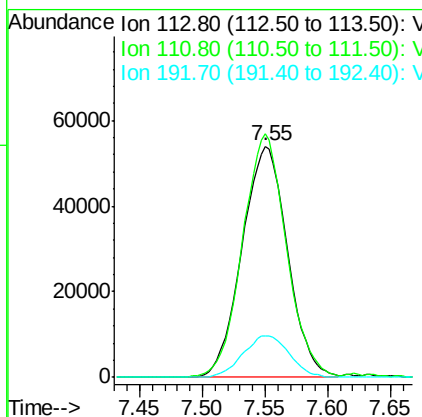
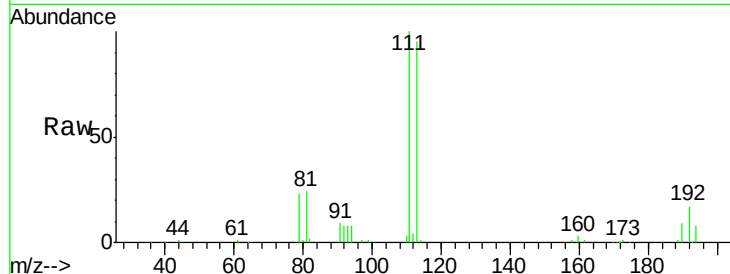
#35  
 Dibromofluoromethane  
 Concen: 49.007 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 101.8 | 81.5 | 122.3 |       |
| 192     | 18.3  | 15.0 | 22.4  |       |

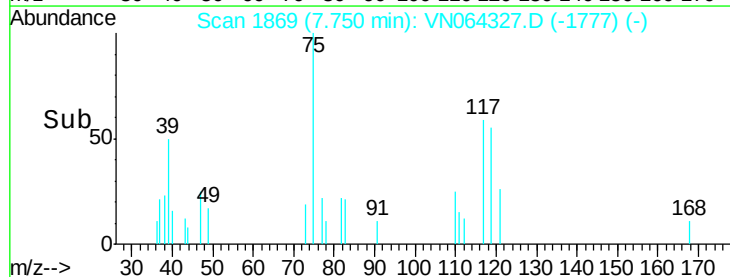
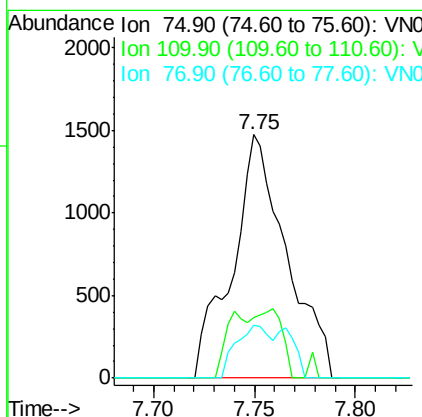
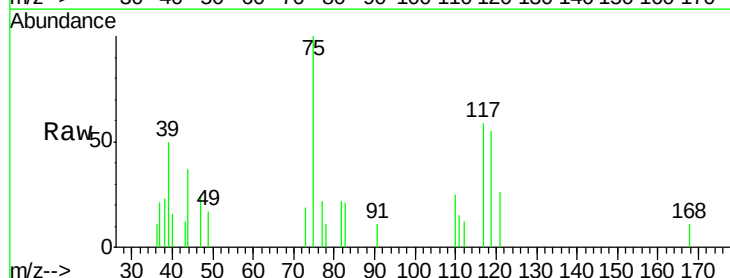
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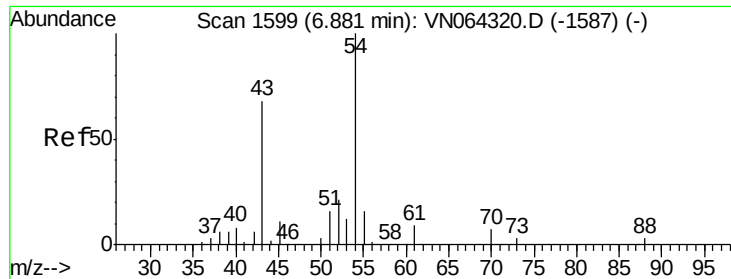
MMDadoda  
 10/28/2020 12:36:01 PM



#36  
 1,1-Dichloropropene  
 Concen: 0.655 ug/l  
 RT: 7.75 min Scan# 1869  
 Delta R.T. -0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 11.1  | 16.8 | 50.3# |       |
| 77      | 14.0  | 24.2 | 36.4# |       |





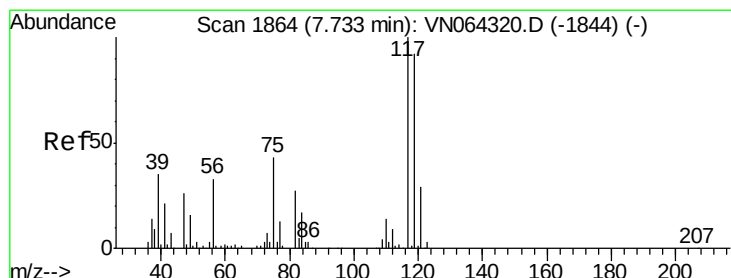
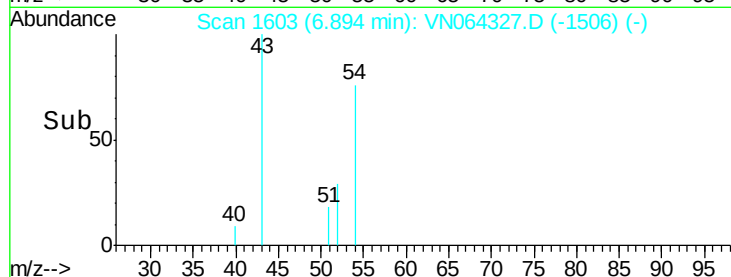
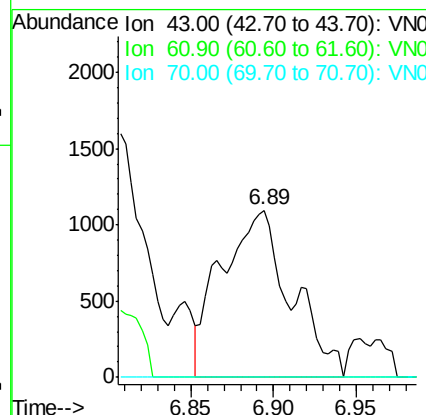
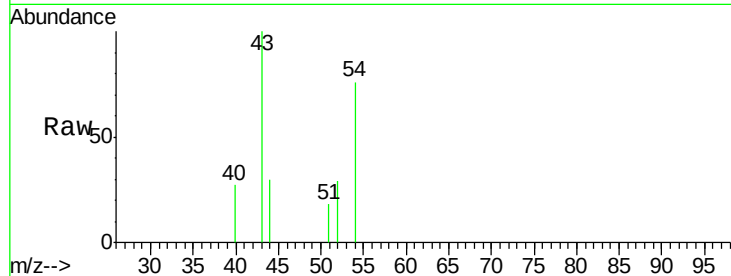
#37  
Ethyl Acetate  
Concen: 0.760 ug/l m  
RT: 6.89 min Scan# 1603  
Delta R.T. 0.01 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 0.0   | 10.0  | 15.0# |
| 70      | 0.0   | 7.1   | 10.7# |

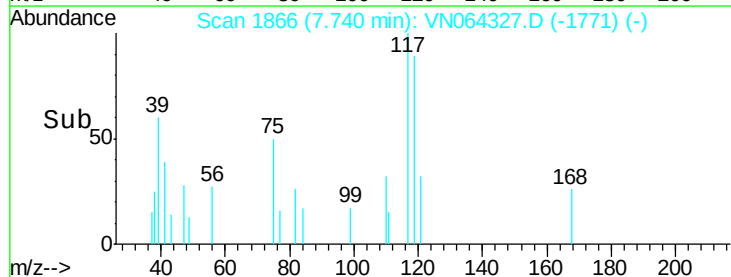
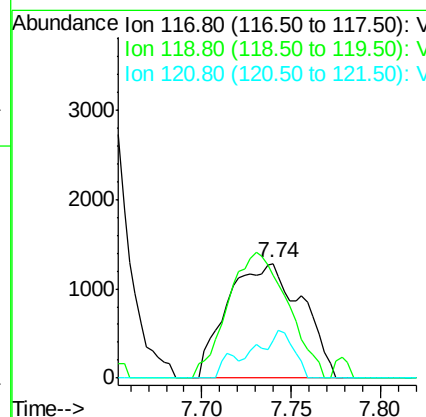
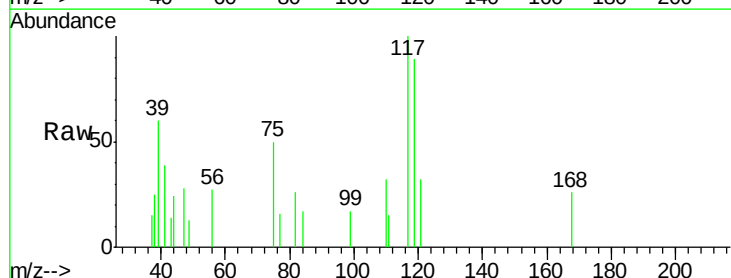
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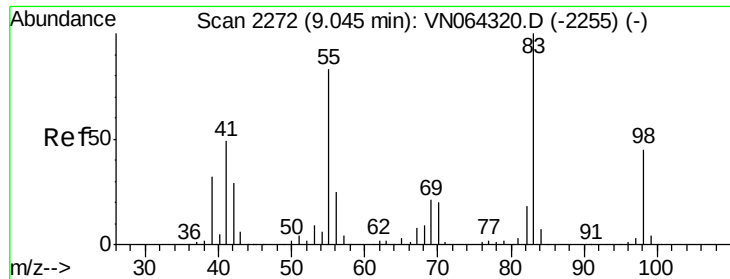
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 0.767 ug/l  
RT: 7.74 min Scan# 1866  
Delta R.T. 0.01 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 89.1  | 73.7  | 110.5 |
| 121     | 32.1  | 22.8  | 34.2  |





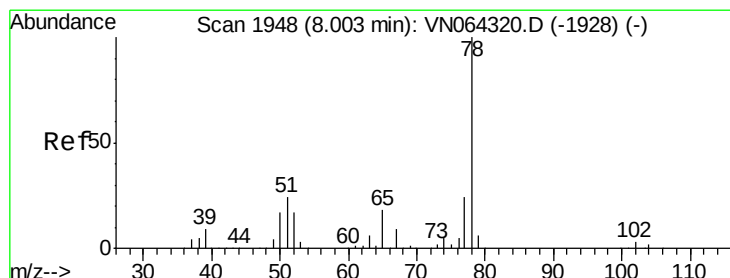
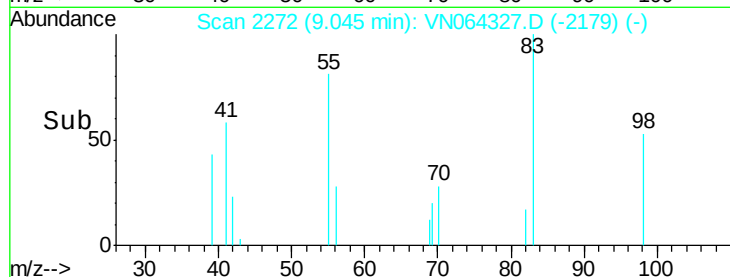
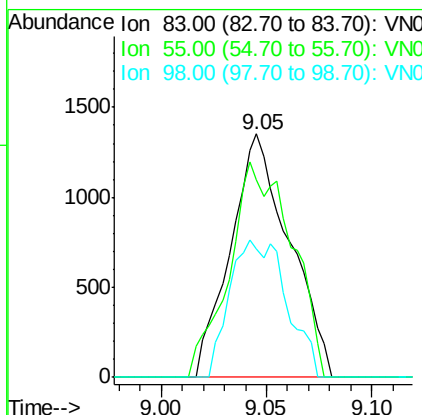
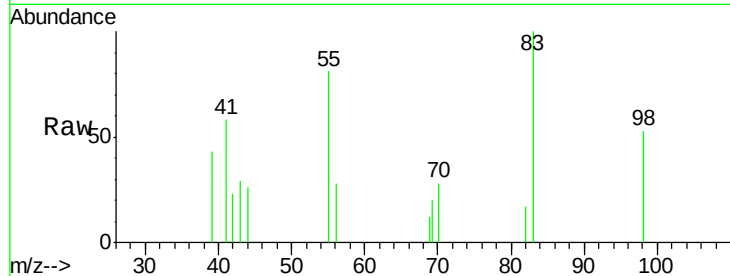
#39  
Methylvlclohexane  
Concen: 0.629 ug/l  
RT: 9.05 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 81.2  | 66.2  | 99.4  |
| 98      | 52.8  | 36.0  | 54.0  |

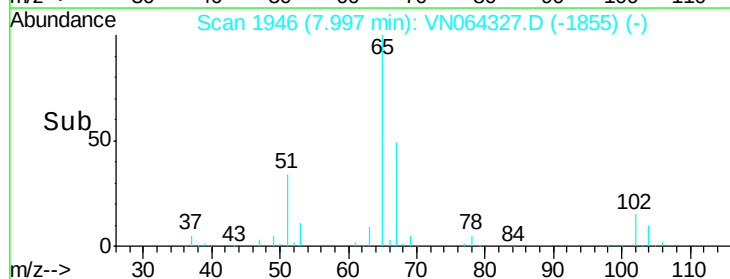
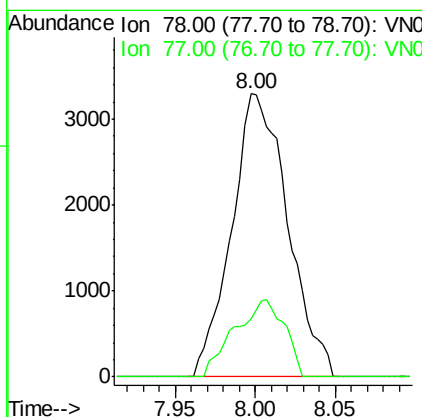
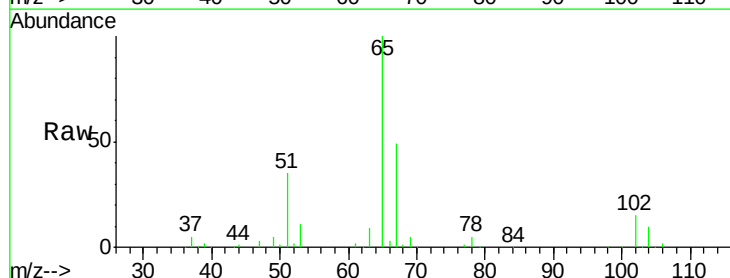
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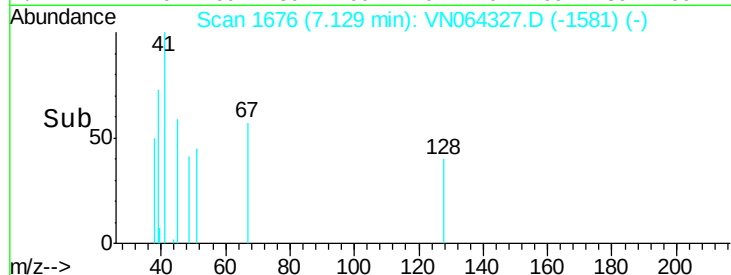
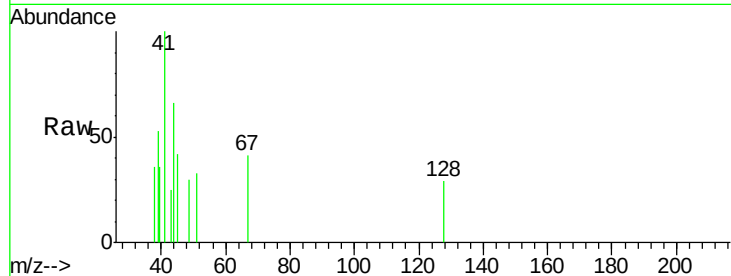
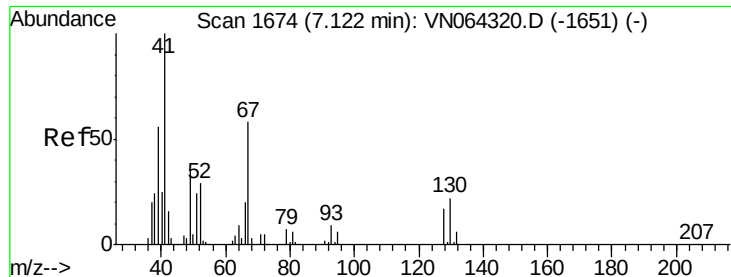


#40  
Benzene  
Concen: 0.677 ug/l  
RT: 8.00 min Scan# 1946  
Delta R.T. -0.01 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 20.7  | 18.8  | 28.2  |







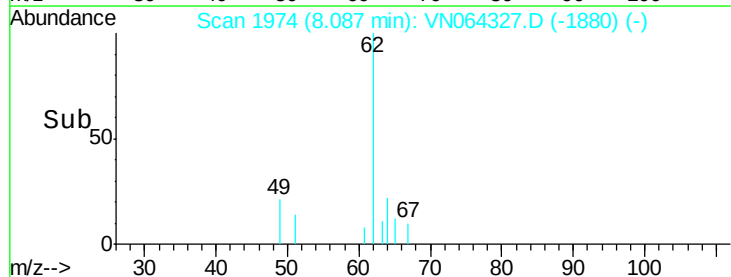
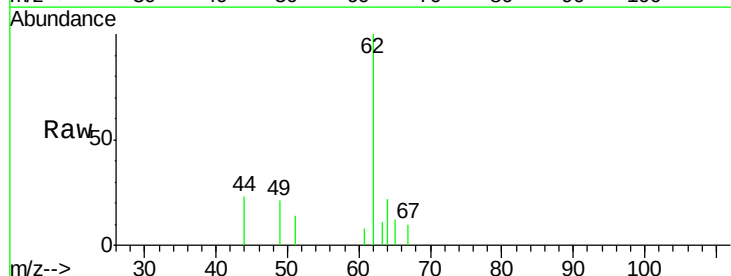
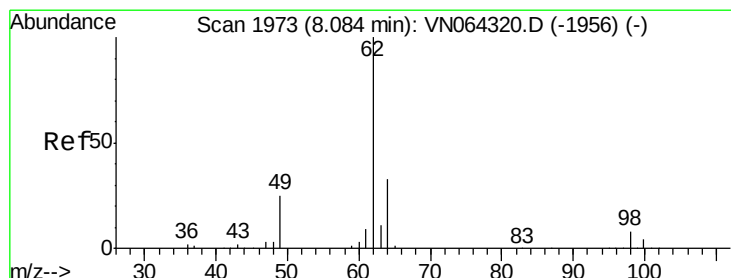
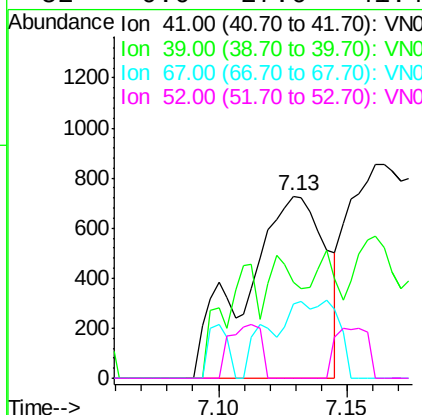
#41  
Methacrylonitrile  
Concen: 0.750 ug/l m  
RT: 7.13 min Scan# 1676  
Delta R.T. 0.01 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Tot Ion: 41 Resp: 1579  
Ion Ratio Lower Upper  
41 100  
39 25.2 48.6 72.8#  
67 5.4 61.4 92.2#  
52 0.0 27.6 41.4#

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

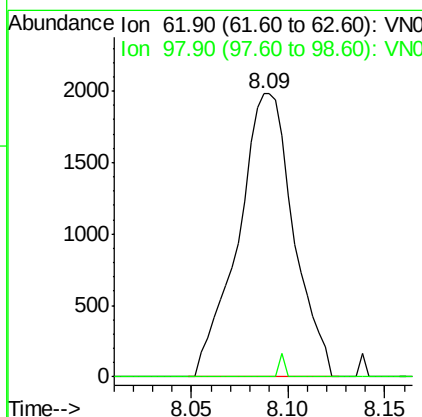
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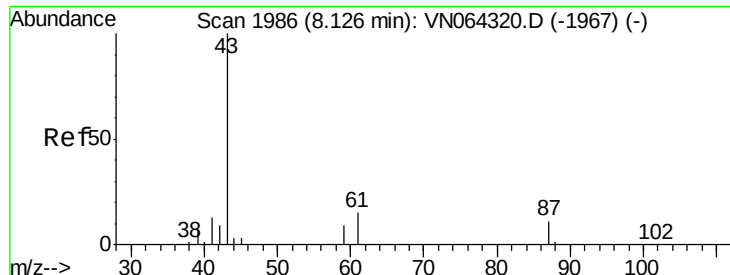
MMDadoda  
10/28/2020 12:36:01 PM



#42  
1,2-Dichloroethane  
Concen: 0.785 ug/l  
RT: 8.09 min Scan# 1974  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Tgt Ion: 62 Resp: 3963  
Ion Ratio Lower Upper  
62 100  
98 0.8 0.0 14.2





#43

Isopropyl Acetate

Concen: 0.634 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

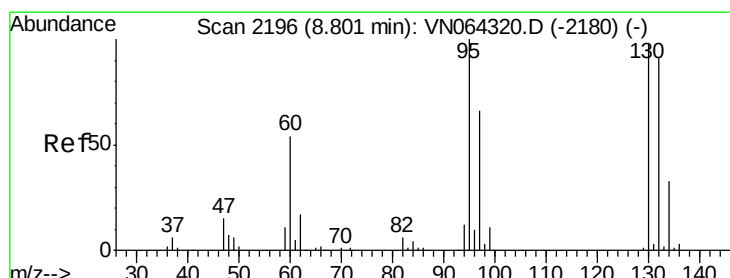
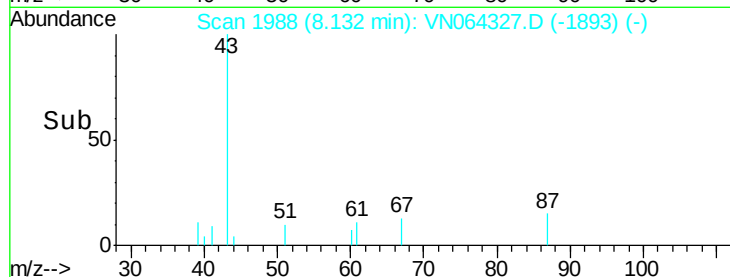
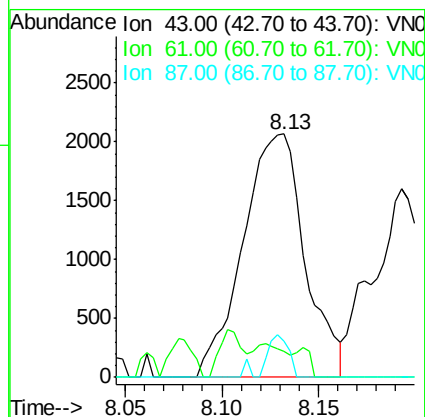
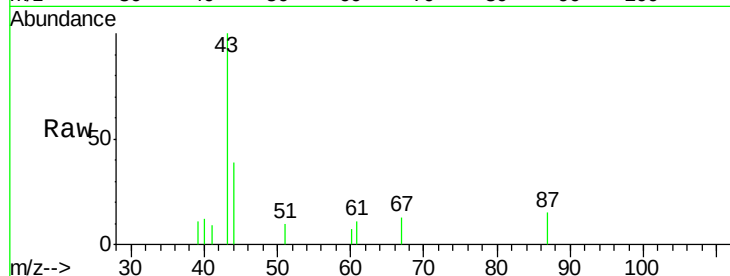
ClientSampleId :

MDL-WATER-03-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 4595  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 19.1  | 28.7# |
| 87       | 5.8   | 9.3   | 13.9# |

Manual Integrations  
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#44

Trichloroethene

Concen: 0.676 ug/l

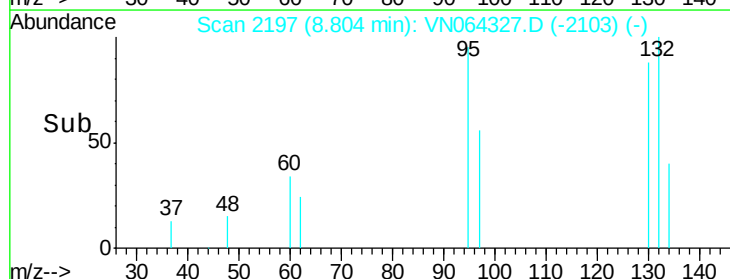
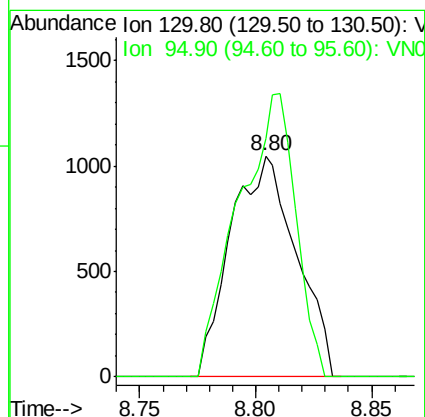
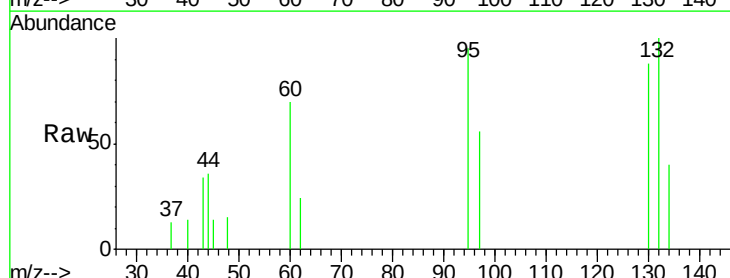
RT: 8.80 min Scan# 2197

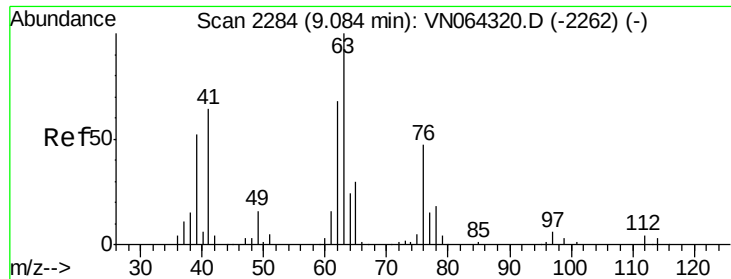
Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 2070  |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 107.7 | 0.0   | 203.6 |





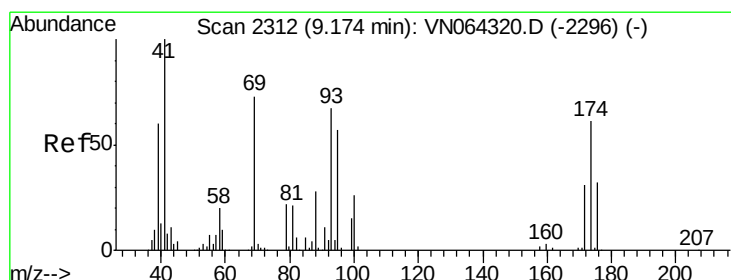
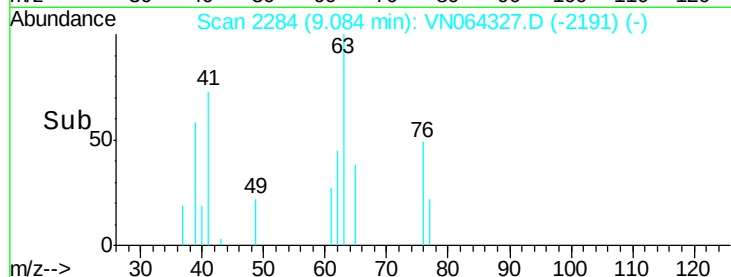
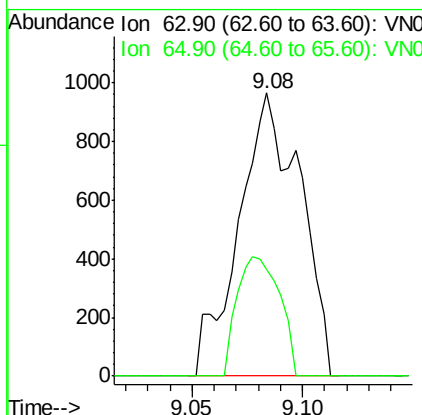
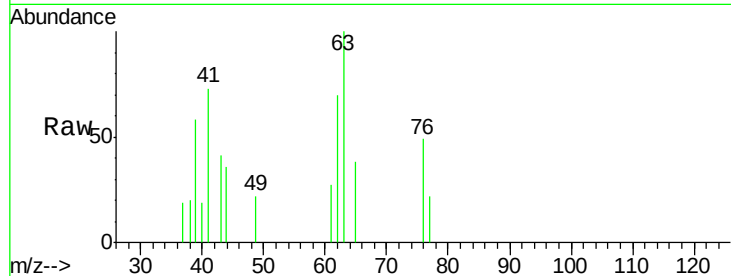
#45  
 1,2-Dichloropropane  
 Concen: 0.596 ug/l  
 RT: 9.08 min Scan# 2284  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT4-2020

Tot Ion: 63 Resp: 1865  
 Ion Ratio Lower Upper  
 63 100  
 65 37.6 24.3 36.5#

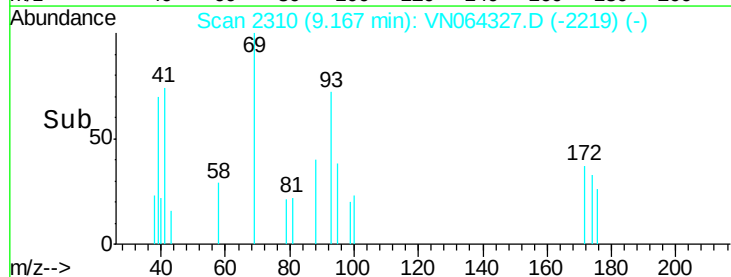
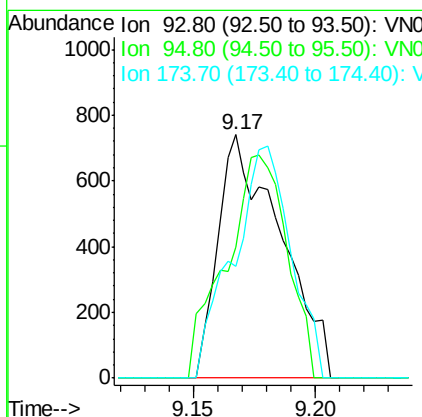
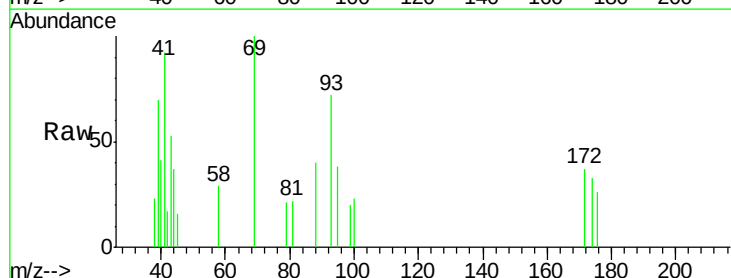
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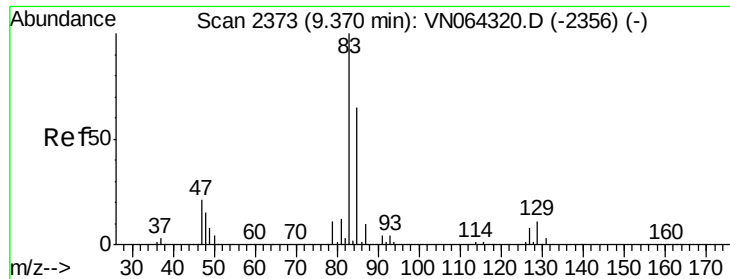
MMDadoda  
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#46  
 Dibromomethane  
 Concen: 0.601 ug/l  
 RT: 9.17 min Scan# 2310  
 Delta R.T. -0.01 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Tgt Ion: 93 Resp: 1316  
 Ion Ratio Lower Upper  
 93 100  
 95 89.6 64.4 96.6  
 174 88.3 71.4 107.0





#47

Bromodichloromethane

Concen: 0.591 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

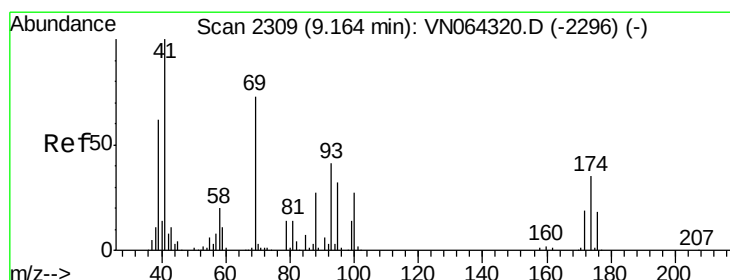
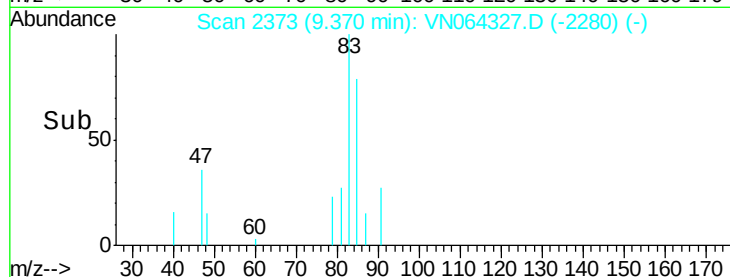
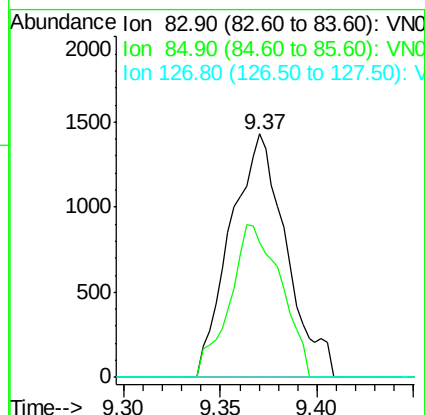
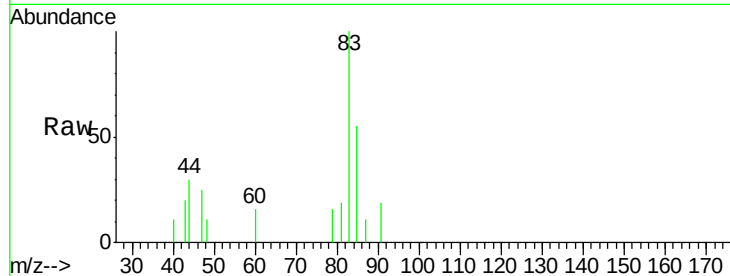
ClientSampleId :

MDL-WATER-03-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 2869  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 55.3  | 52.1  | 78.1  |
| 127      | 0.0   | 6.7   | 10.1# |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 0.593 ug/l

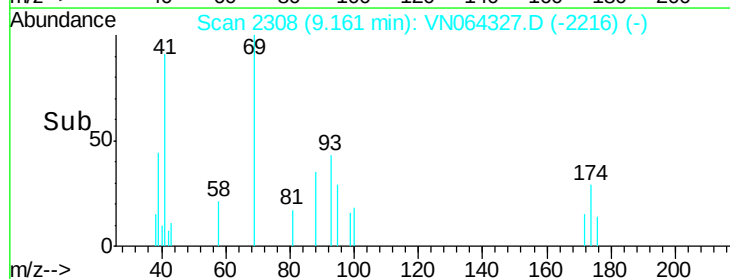
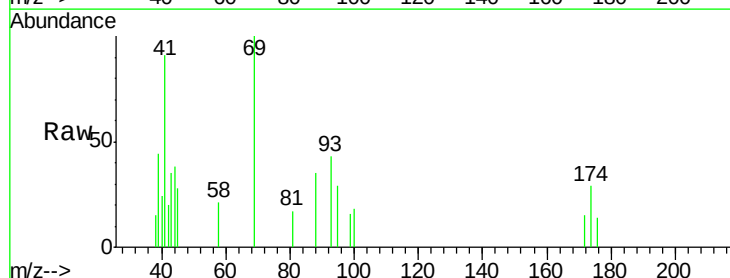
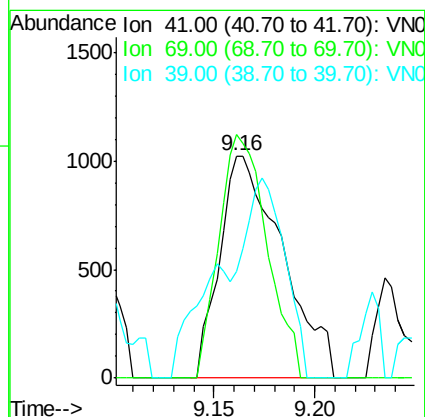
RT: 9.16 min Scan# 2308

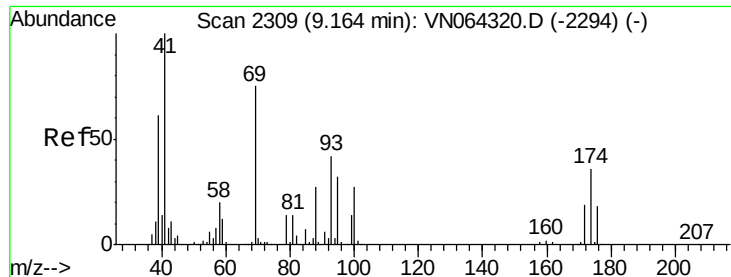
Delta R.T. -0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 2219  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 83.7  | 59.1  | 88.7  |
| 39       | 29.6  | 51.3  | 76.9# |





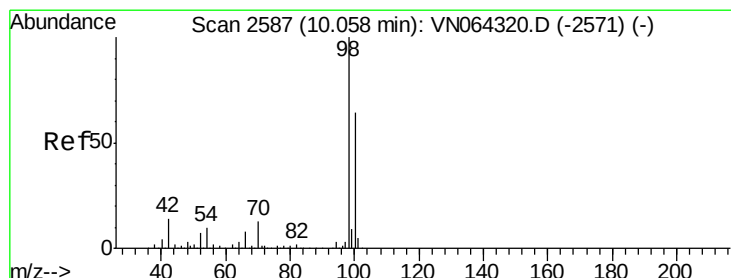
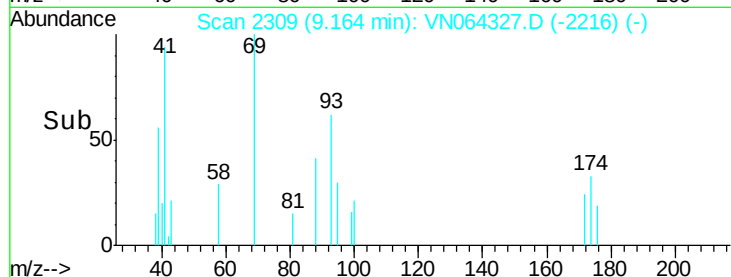
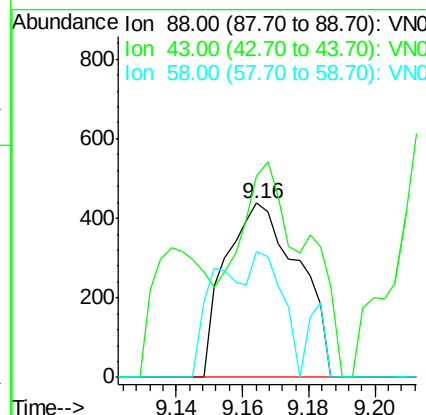
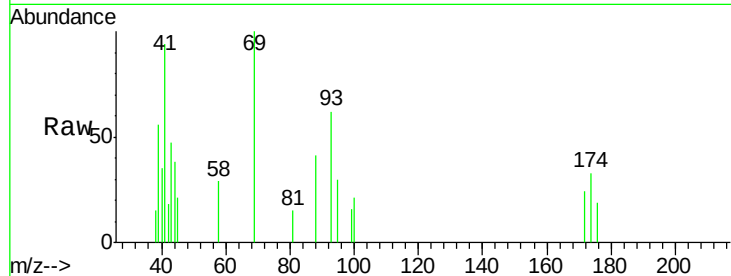
#49  
1,4-Dioxane  
Concen: 12.225 ug/l  
RT: 9.16 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

| Tot Ion | 88    | Resp  | 674   |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 115.7 | 31.8  | 47.8# |
| 58      | 29.5  | 60.3  | 90.5# |

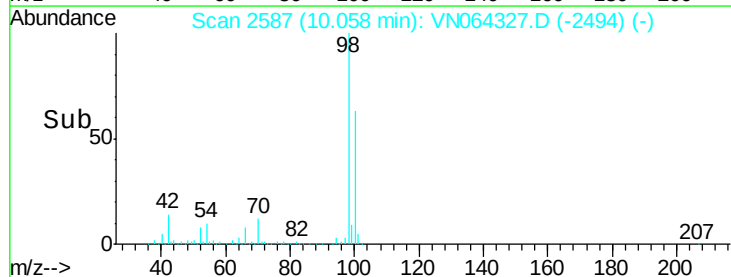
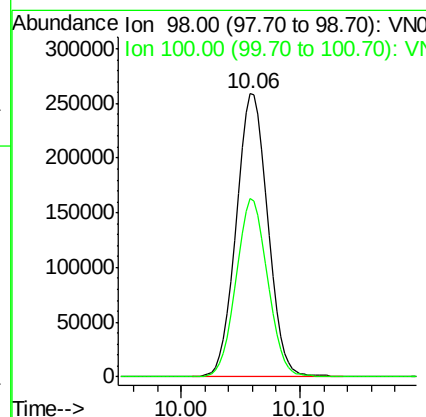
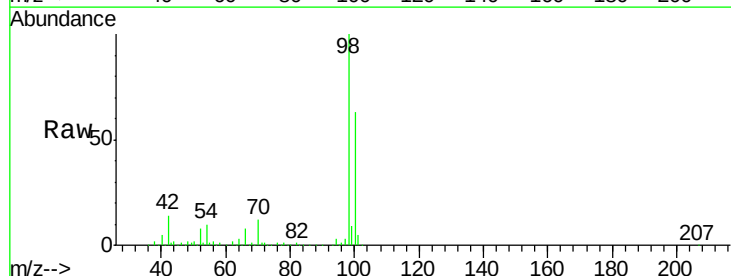
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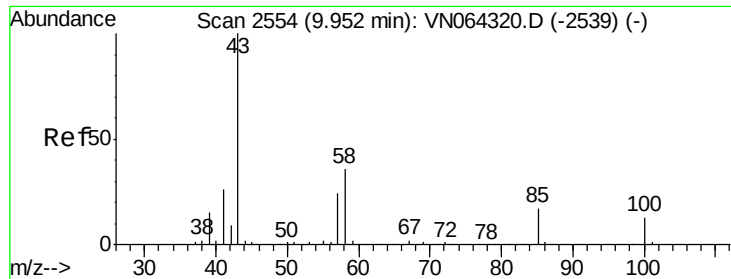
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#50  
Toluene-d8  
Concen: 46.558 ug/l  
RT: 10.06 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

| Tgt Ion | 98    | Resp  | 477793 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 62.6  | 50.9  | 76.3   |





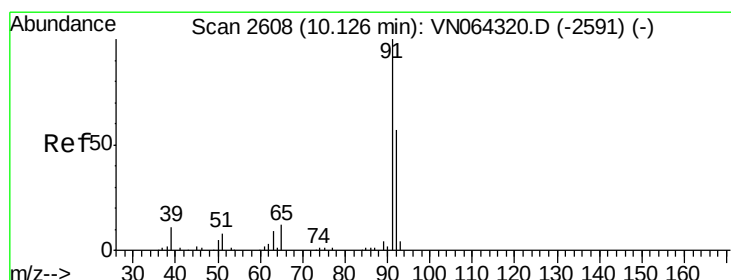
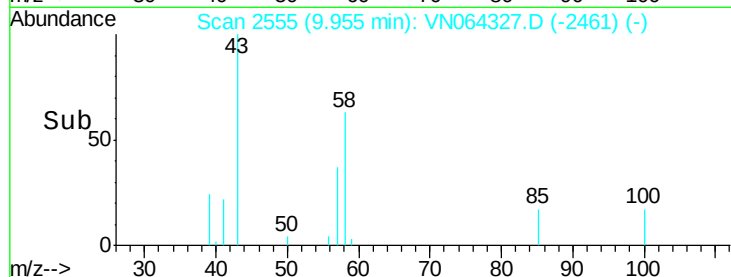
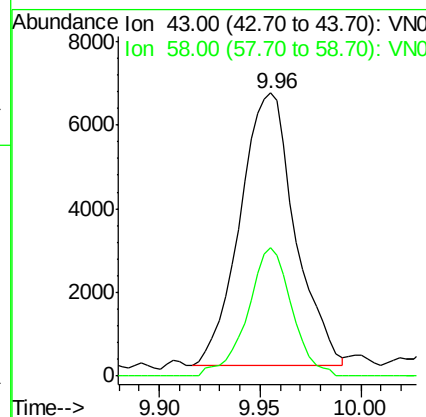
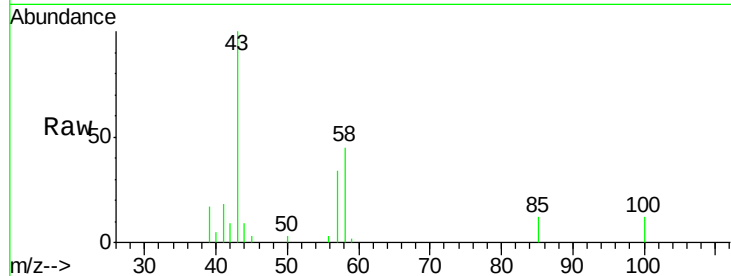
#51  
4-Methyl-2-Pentanone  
Concen: 2.951 ug/l  
RT: 9.96 min Scan# 2555  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 37.9  | 28.6  | 42.8  |

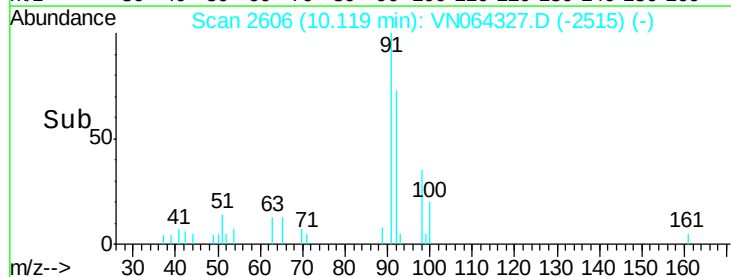
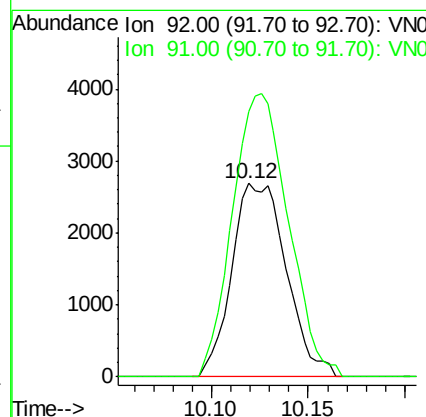
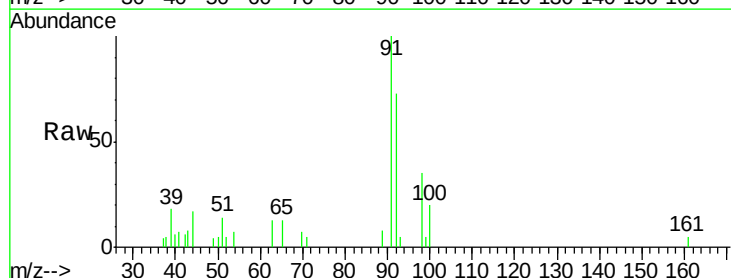
Manual Integrations  
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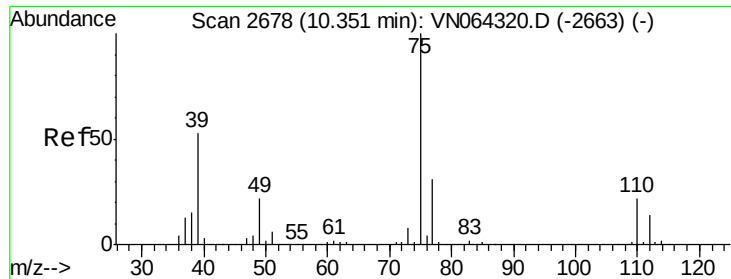
MMDadoda  
10/28/2020 12:36:01 PM



#52  
Toluene  
Concen: 0.714 ug/l  
RT: 10.12 min Scan# 2606  
Delta R.T. -0.01 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 150.0 | 139.9 | 209.9 |





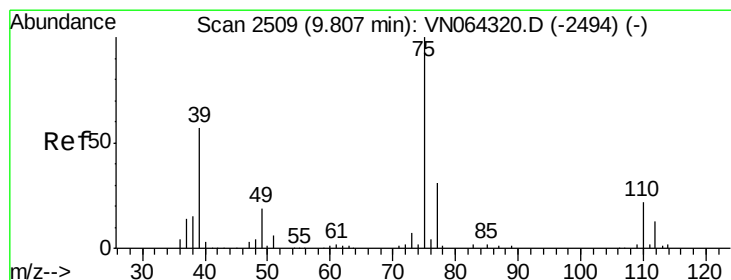
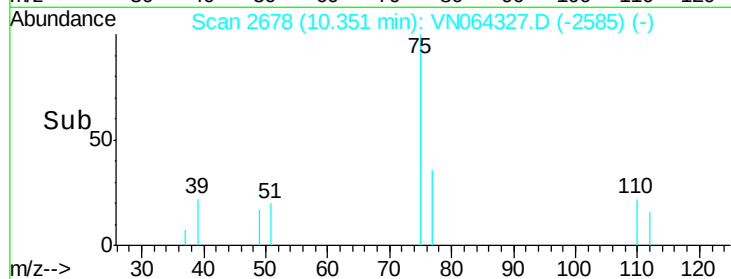
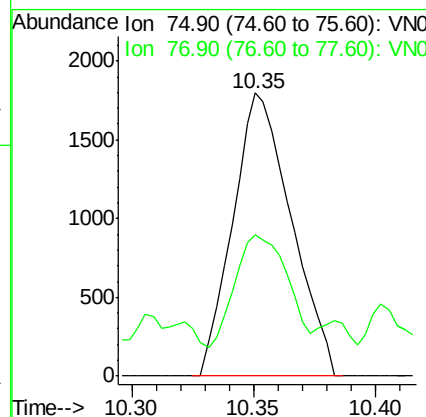
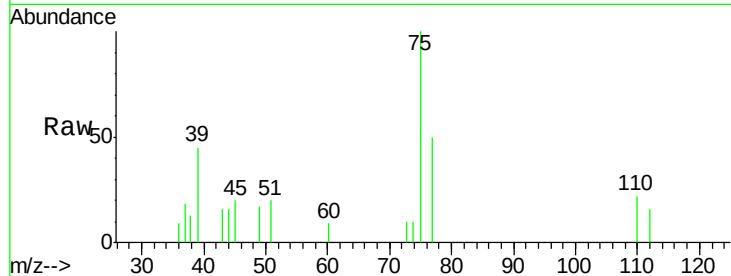
#53  
 t-1,3-Dichloropropene  
 Concen: 0.581 ug/l  
 RT: 10.35 min Scan# 2678  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT4-2020

Tot Ion: 75 Resp: 2982  
 Ion Ratio Lower Upper  
 75 100  
 77 32.6 24.8 37.2

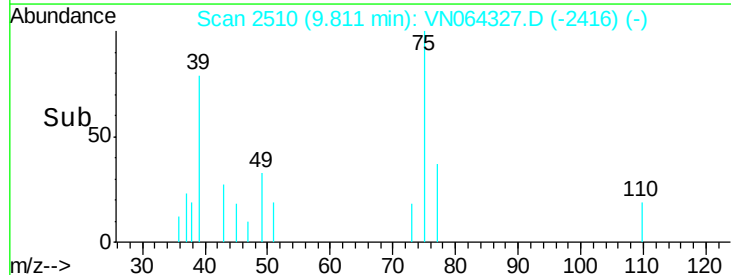
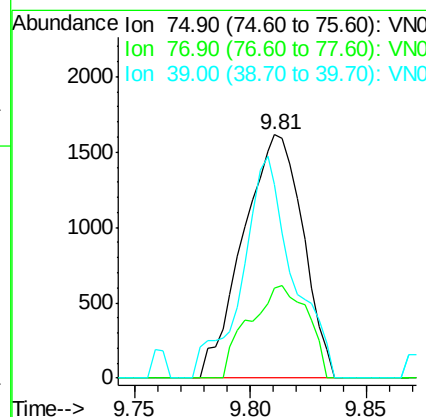
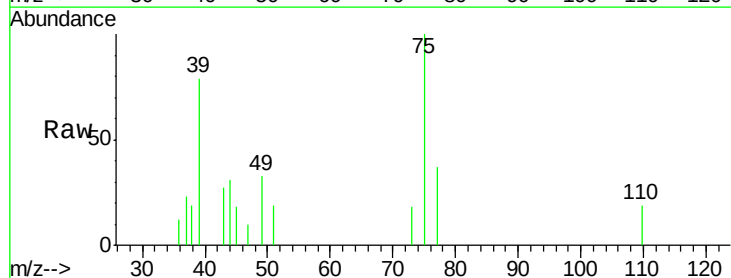
Manual Integrations  
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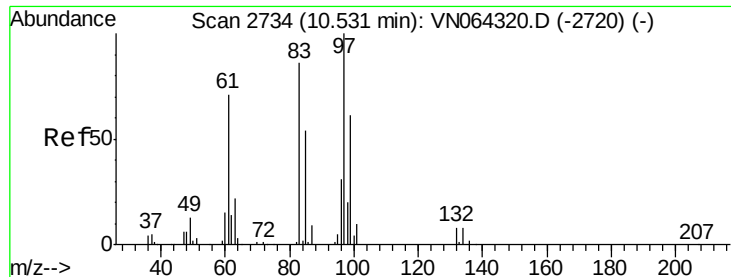
MMDadoda  
 10/28/2020 12:36:01 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 0.547 ug/l  
 RT: 9.81 min Scan# 2510  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Tgt Ion: 75 Resp: 2891  
 Ion Ratio Lower Upper  
 75 100  
 77 36.9 25.0 37.4  
 39 79.3 45.5 68.3#





#55

1,1,2-Trichloroethane

Concen: 0.606 ug/l

RT: 10.54 min Scan# 2737

Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

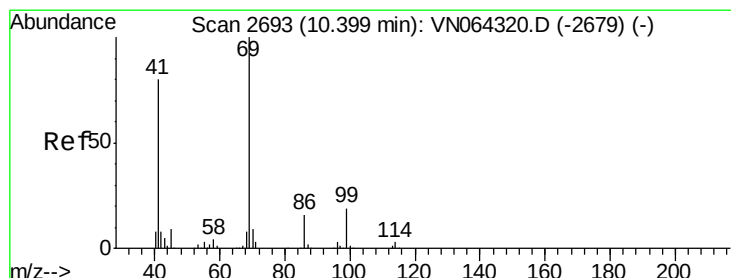
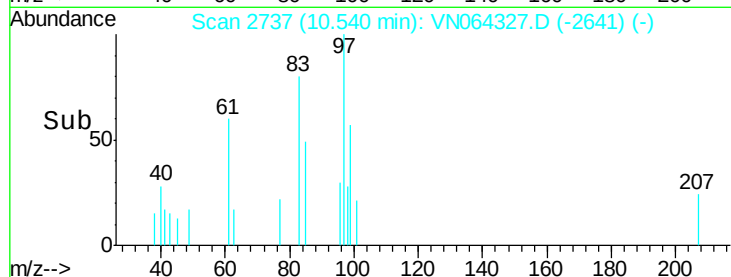
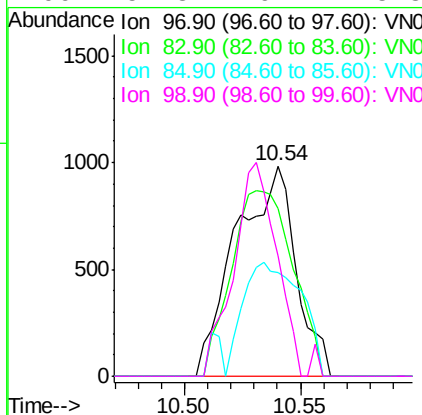
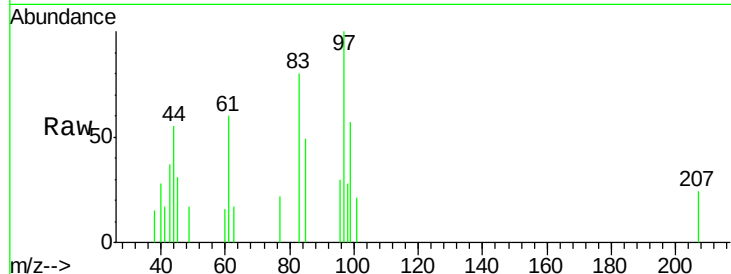
ClientSampleId :

MDL-WATER-03-QT4-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 1765  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 80.1  | 68.9  | 103.3 |
| 85       | 49.1  | 43.6  | 65.4  |
| 99       | 57.3  | 49.2  | 73.8  |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 0.595 ug/l

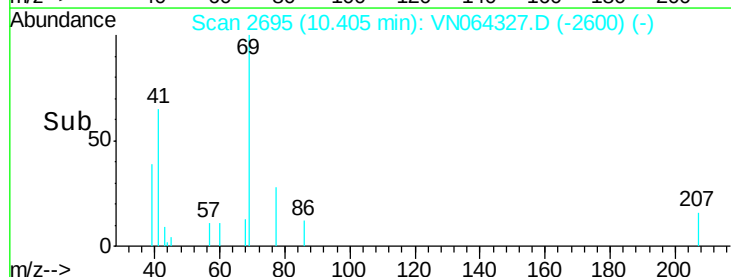
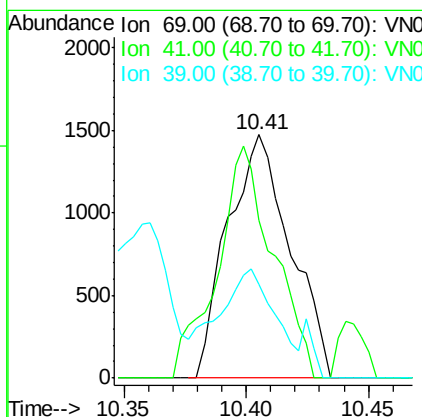
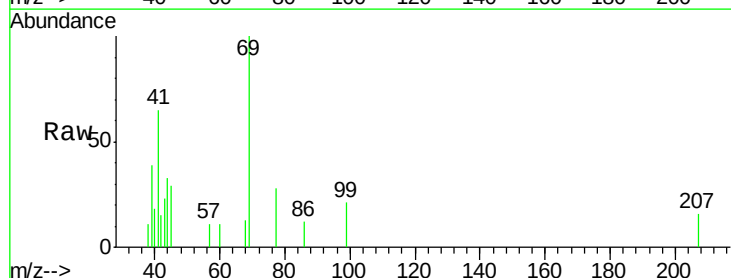
RT: 10.41 min Scan# 2695

Delta R.T. 0.01 min

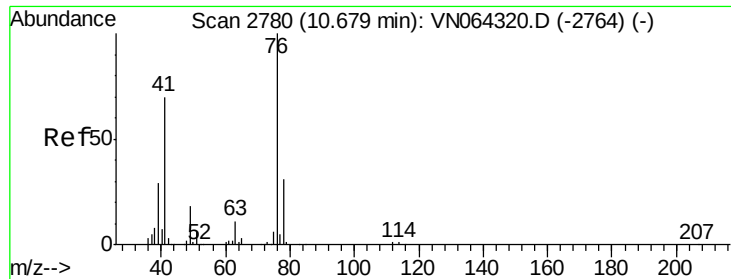
Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 2621  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 85.4  | 61.4  | 92.2  |
| 39       | 29.4  | 36.5  | 54.7# |







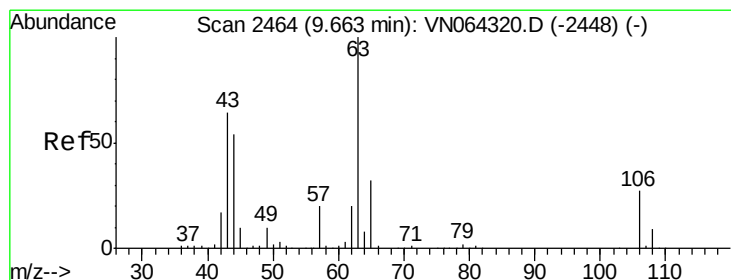
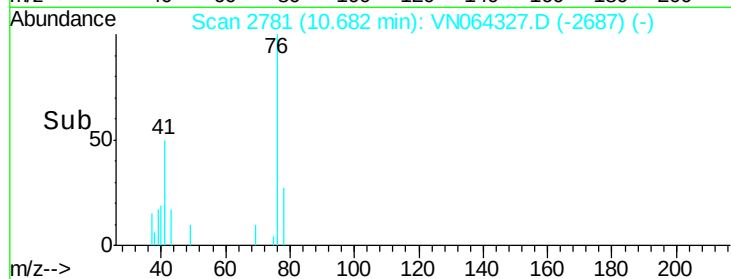
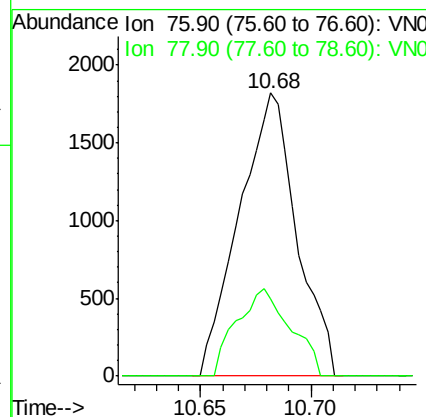
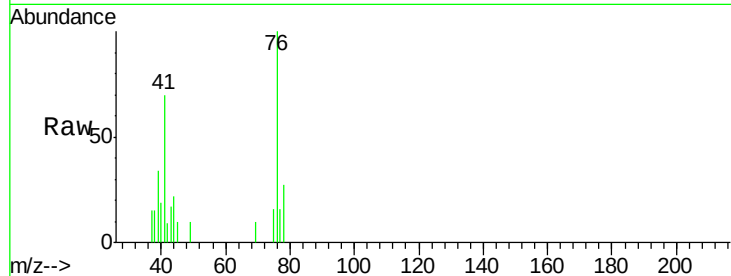
#57  
 1,3-Dichloropropane  
 Concen: 0.663 ug/l  
 RT: 10.68 min Scan# 2781  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT4-2020

Tot Ion: 76 Resp: 3292  
 Ion Ratio Lower Upper  
 76 100  
 78 28.7 25.8 38.6

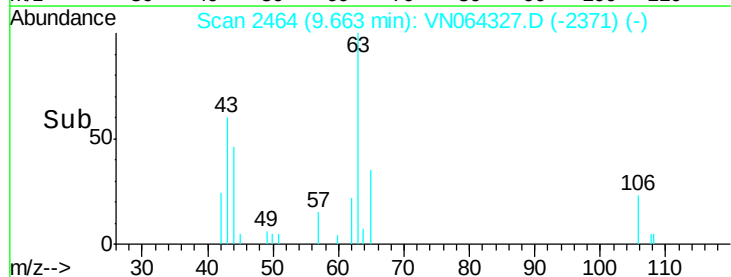
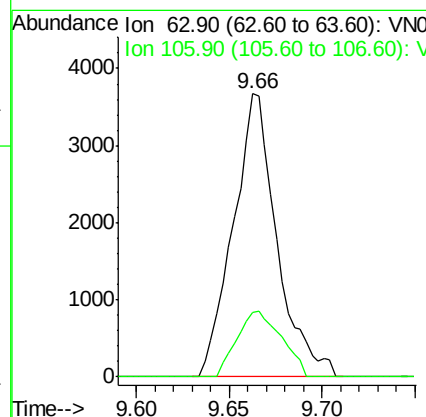
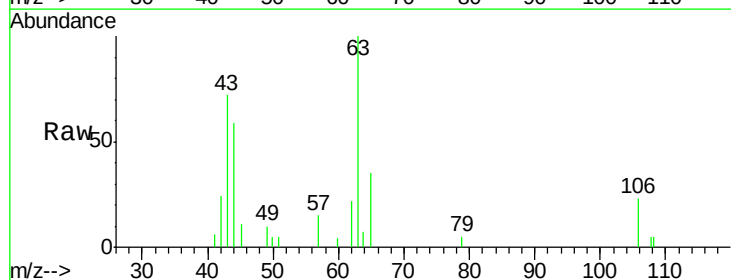
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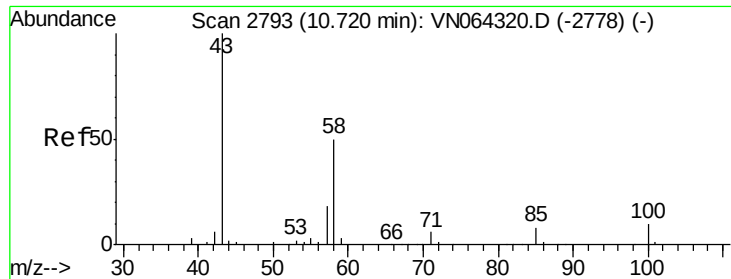
MMDadoda  
 10/28/2020 12:36:01 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 2.497 ug/l  
 RT: 9.66 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Tgt Ion: 63 Resp: 6004  
 Ion Ratio Lower Upper  
 63 100  
 106 23.6 21.0 31.4





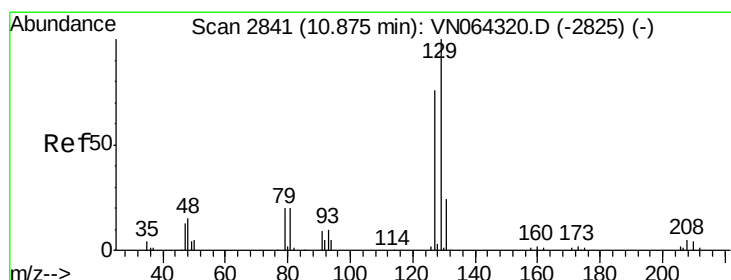
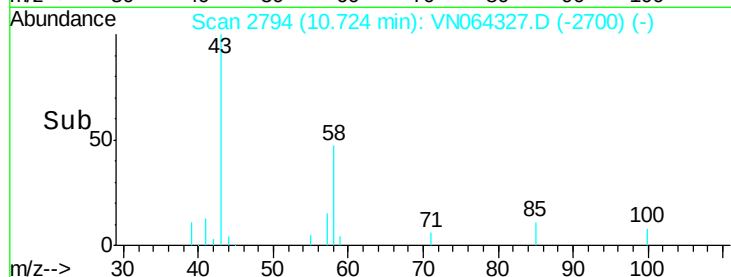
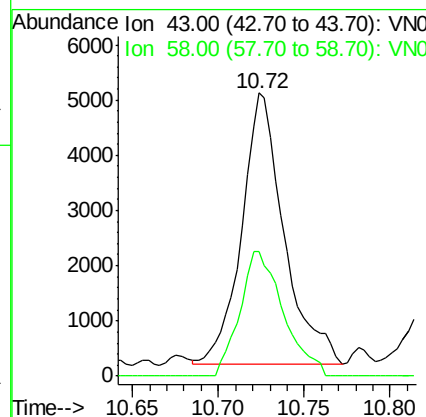
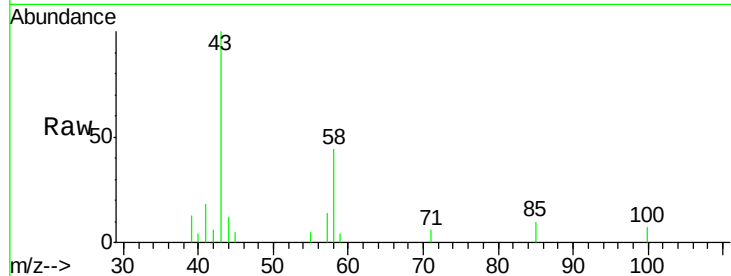
#59  
2-Hexanone  
Concen: 2.719 ug/l  
RT: 10.72 min Scan# 2794  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 8439  
Ion Ratio Lower Upper  
43 100  
58 46.8 25.0 75.0

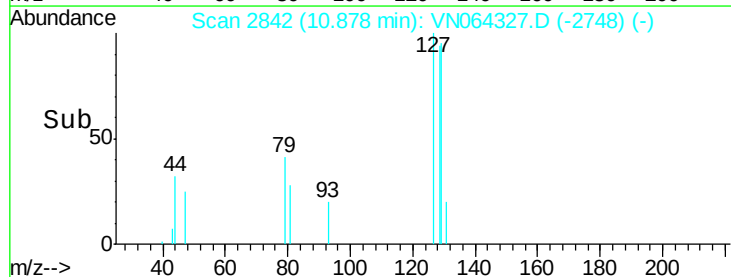
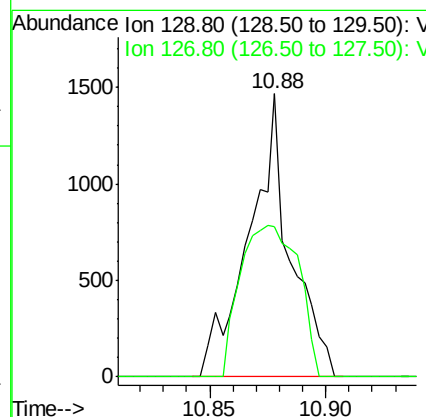
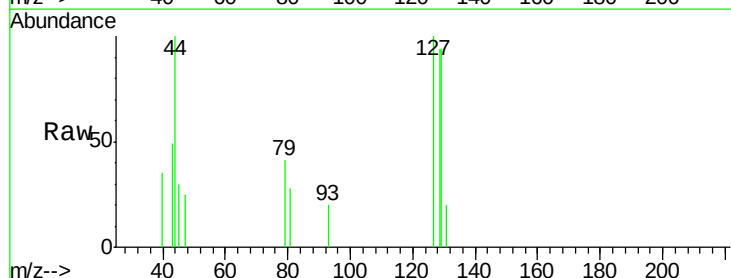
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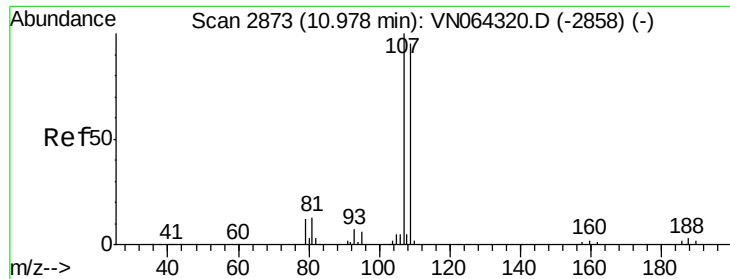
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 0.529 ug/l  
RT: 10.88 min Scan# 2842  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Tgt Ion: 129 Resp: 1820  
Ion Ratio Lower Upper  
129 100  
127 75.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 0.556 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 107 Resp: 1649

Ion Ratio Lower Upper

107 100

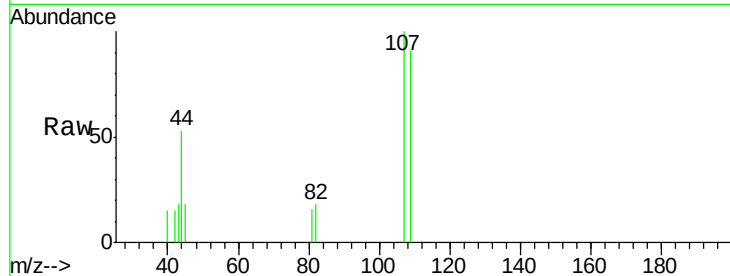
109 113.9 75.8 113.8#

Manual Integrations

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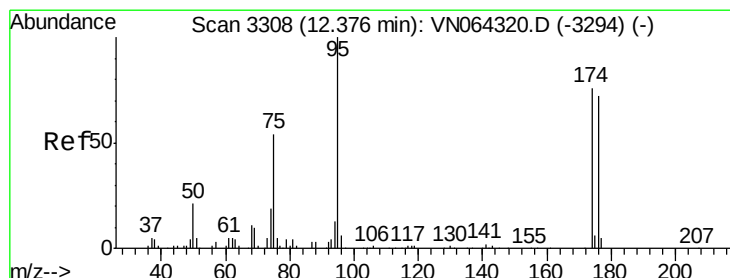
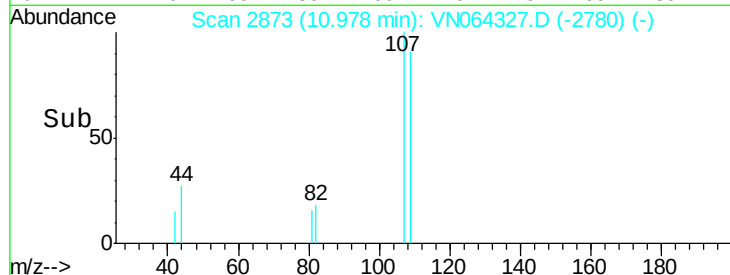
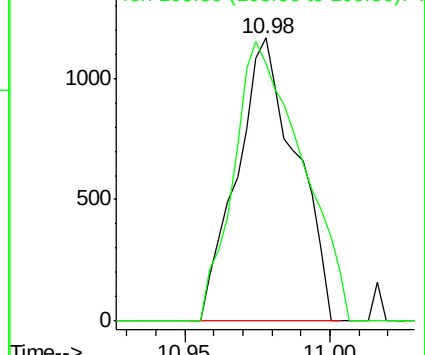
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.871 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

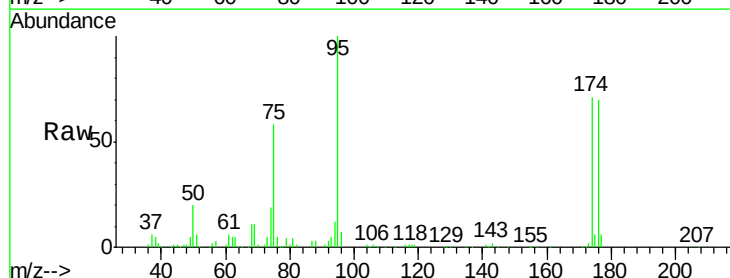
Tgt Ion: 95 Resp: 179539

Ion Ratio Lower Upper

95 100

174 71.8 0.0 147.4

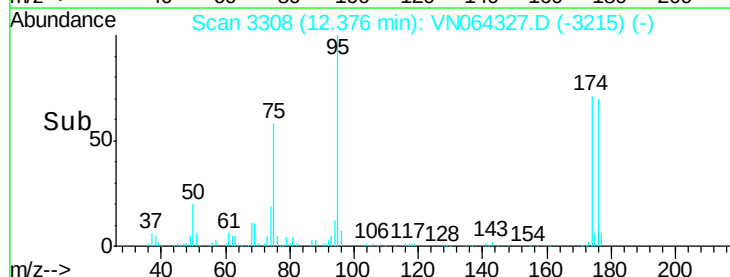
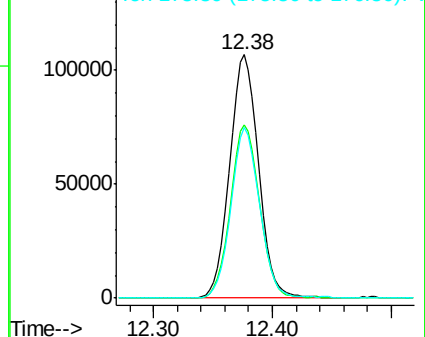
176 69.4 0.0 143.6

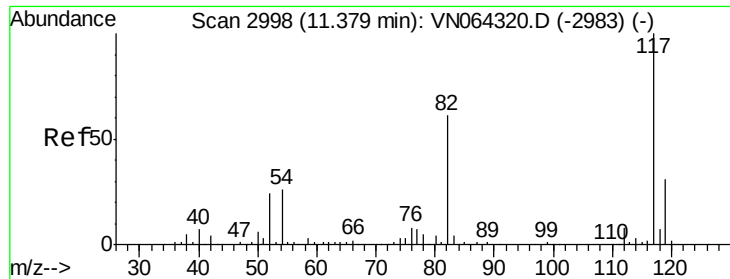


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





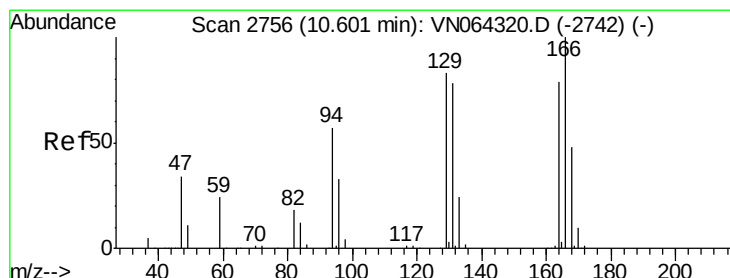
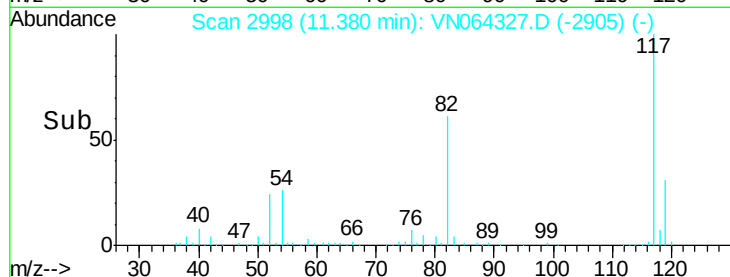
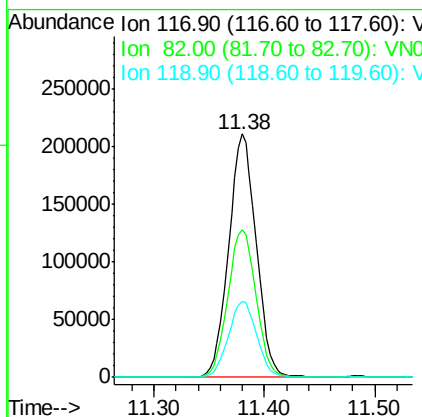
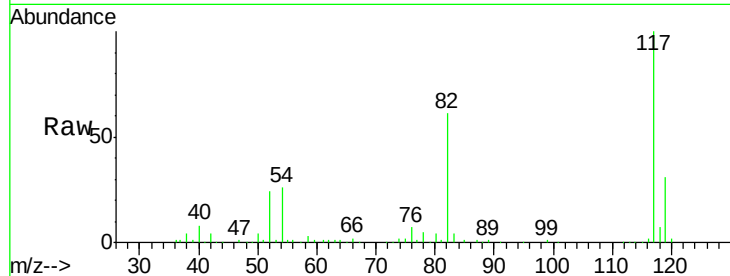
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 364915 |       |       |
| 82      | 60.6  | 48.8   | 73.2  |       |
| 119     | 31.2  | 25.1   | 37.7  |       |

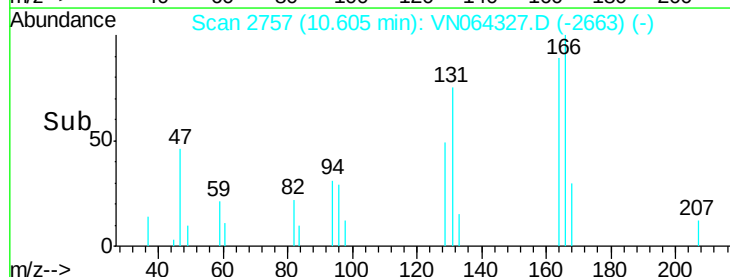
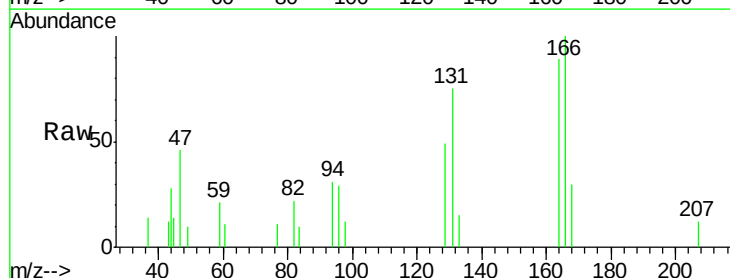
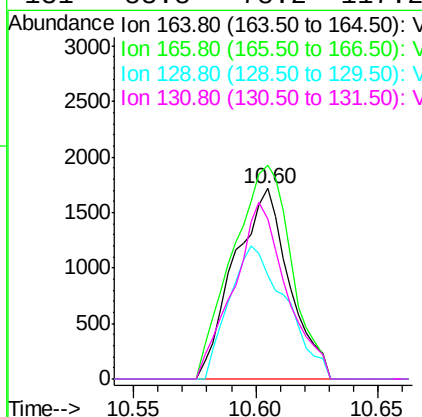
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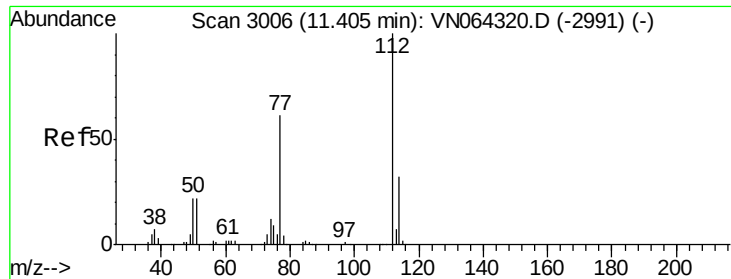
MMDadoda  
10/28/2020 12:36:01 PM



#64  
Tetrachloroethene  
Concen: 0.895 ug/l  
RT: 10.60 min Scan# 2757  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 2684  |       |       |
| 166     | 112.3 | 100.7 | 151.1 |       |
| 129     | 54.6  | 83.7  | 125.5 |       |
| 131     | 83.8  | 78.2  | 117.2 |       |





#65

Chlorobenzene

Concen: 0.654 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:112 Resp: 4837

Ion Ratio Lower Upper

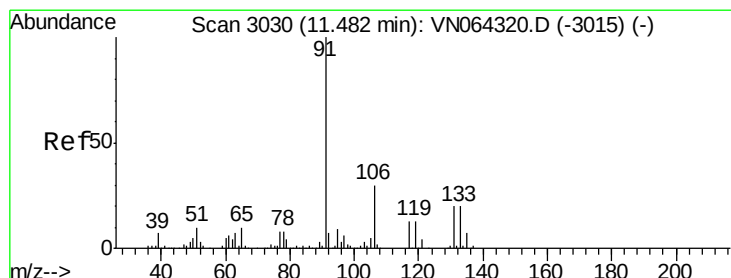
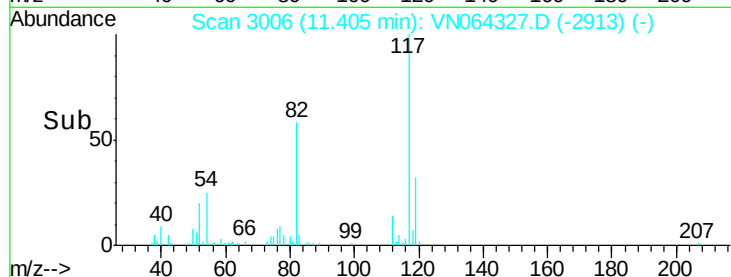
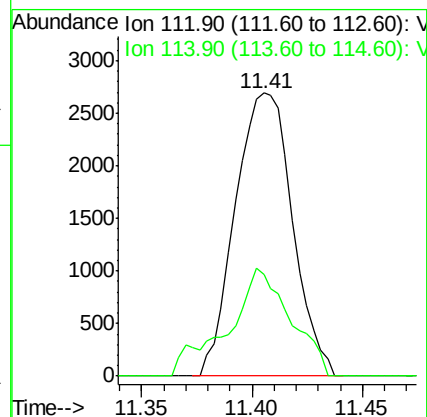
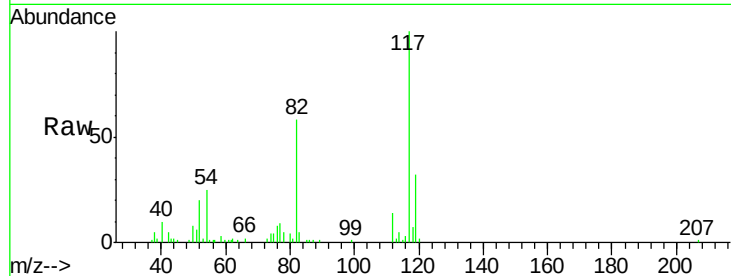
112 100

114 35.8 25.4 38.0

Manual Integrations  
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#66

1,1,1,2-Tetrachloroethane

Concen: 0.740 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

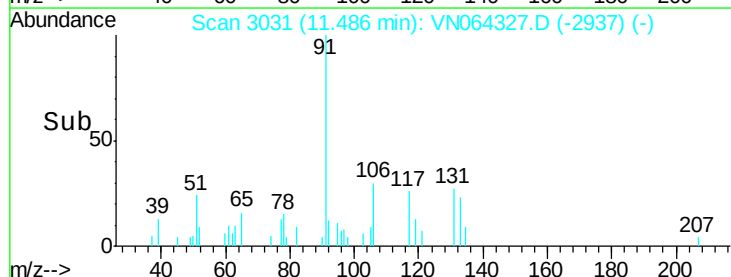
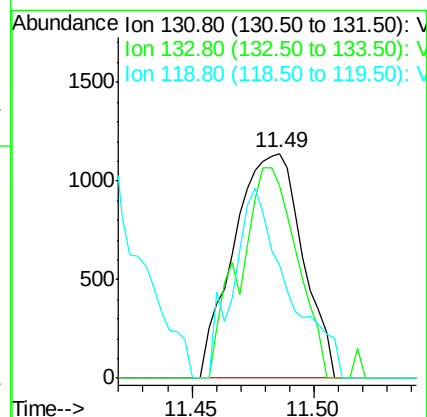
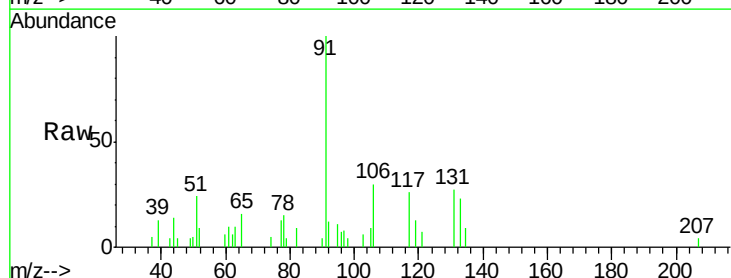
Tgt Ion:131 Resp: 2214

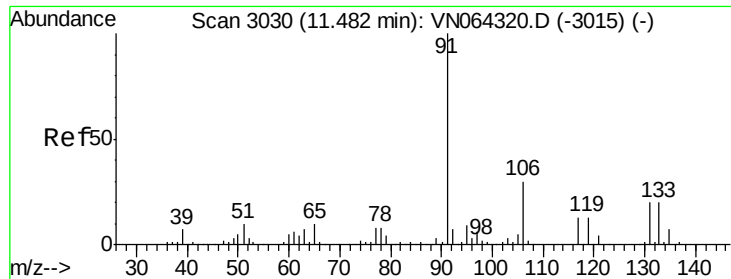
Ion Ratio Lower Upper

131 100

133 78.9 49.3 147.8

119 0.0 32.3 96.9#





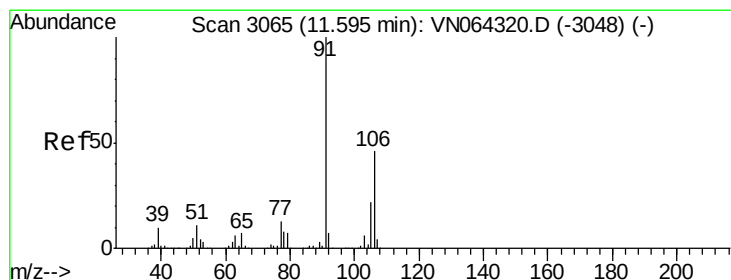
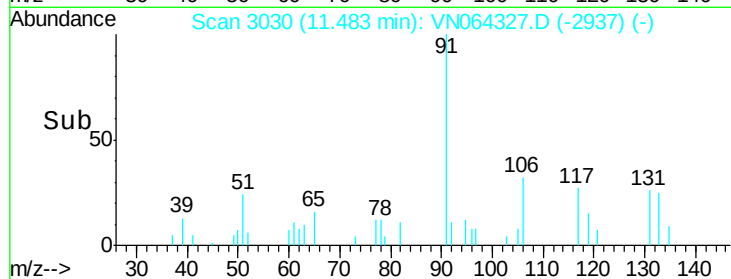
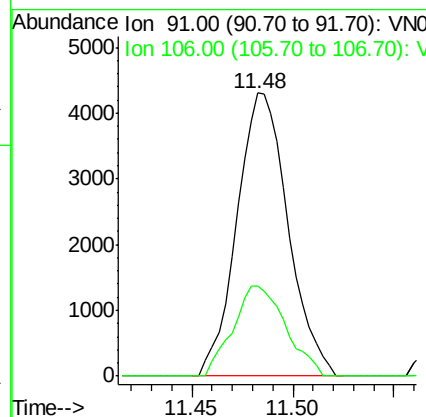
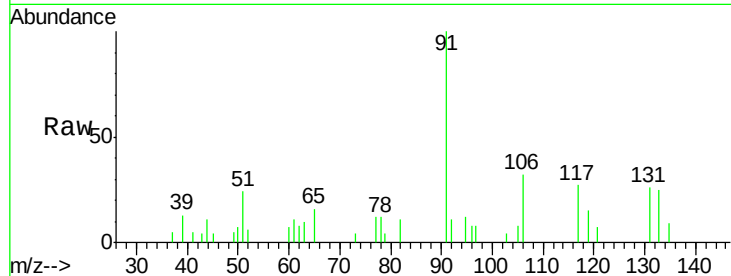
#67  
Ethyl Benzene  
Concen: 0.554 ug/l  
RT: 11.48 min Scan# 3030  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

Tot Ion: 91 Resp: 7620  
Ion Ratio Lower Upper  
91 100  
106 31.9 23.7 35.5

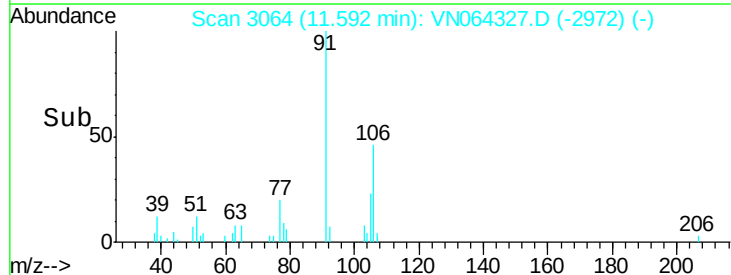
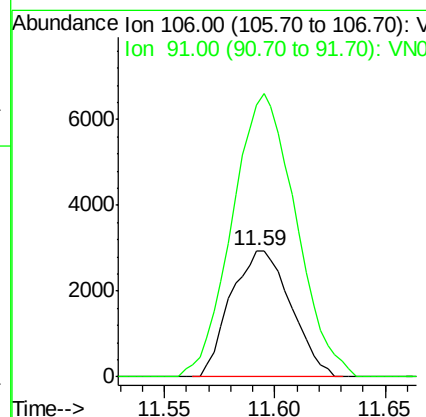
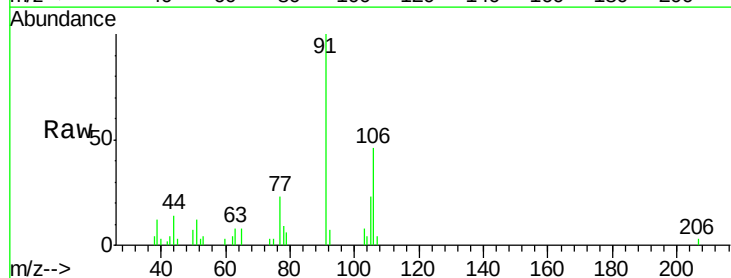
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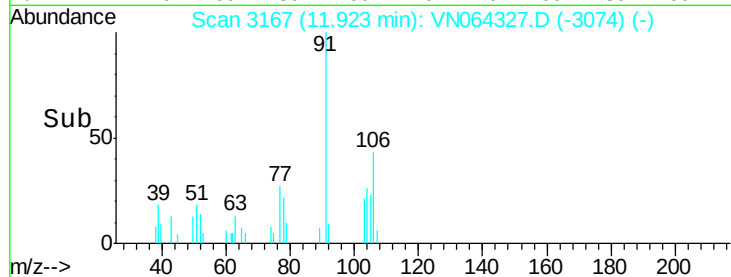
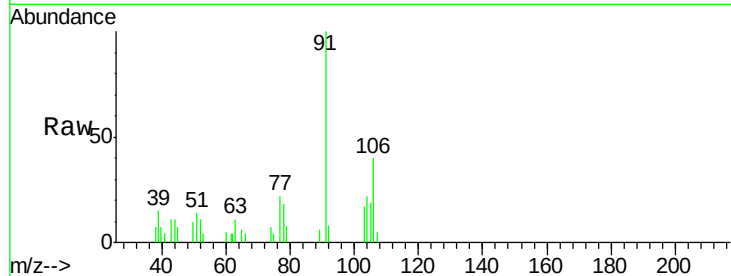
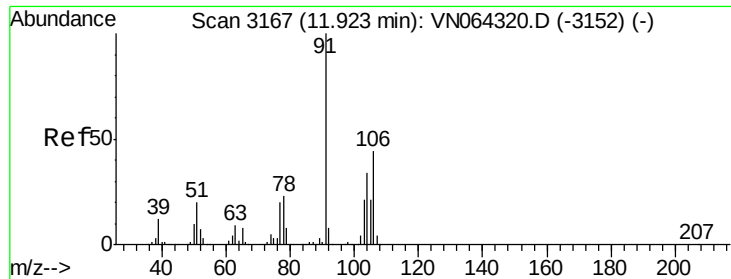
MMDadoda  
10/28/2020 12:36:01 PM



#68  
m/p-Xylenes  
Concen: 1.089 ug/l  
RT: 11.59 min Scan# 3064  
Delta R.T. -0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Tgt Ion: 106 Resp: 5553  
Ion Ratio Lower Upper  
106 100  
91 238.1 170.2 255.4





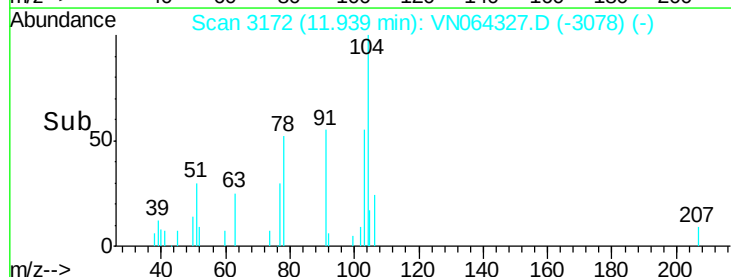
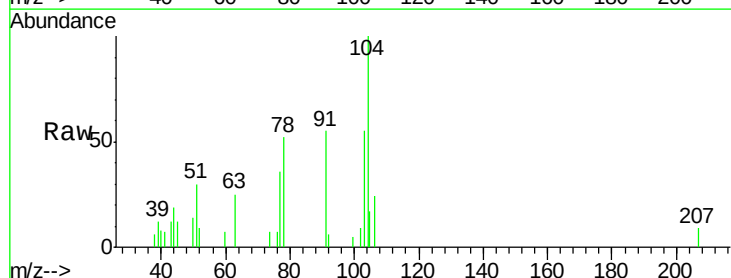
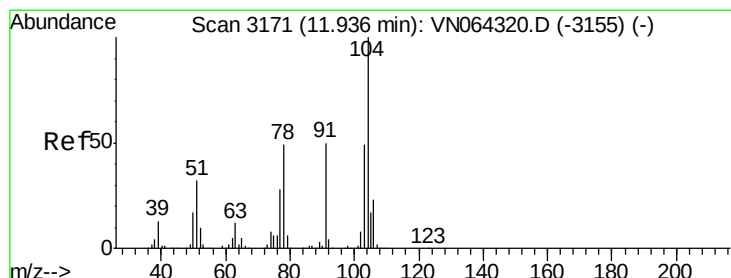
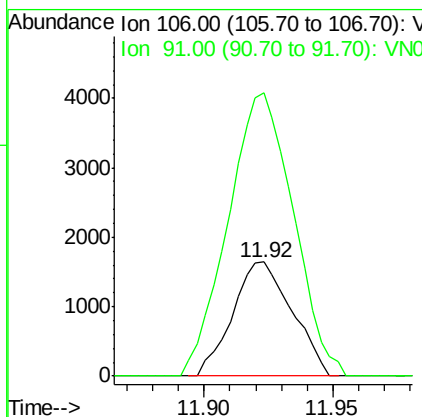
#69  
o-Xylene  
Concen: 0.534 ug/l  
RT: 11.92 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       | 2623  |       |       |
| 91      | 274.0 | 114.5 | 343.5 |       |       |

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

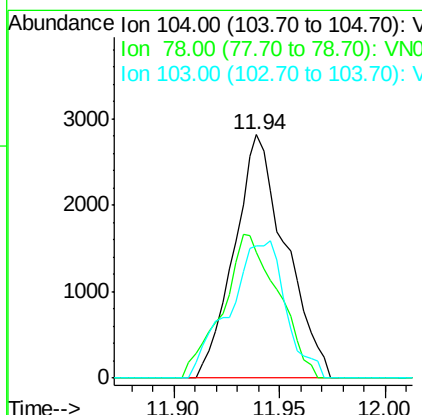
Manual Integrations  
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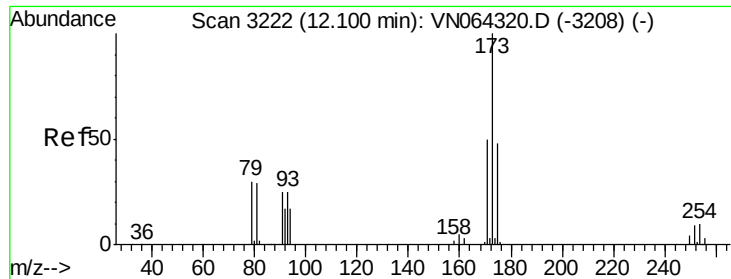
MMDadoda  
10/28/2020 12:36:01 PM



#70  
Styrene  
Concen: 0.591 ug/l  
RT: 11.94 min Scan# 3172  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 104     | 100  |       | 4759 |       |       |
| 78      | 63.7 | 43.7  | 65.5 |       |       |
| 103     | 61.8 | 43.3  | 64.9 |       |       |





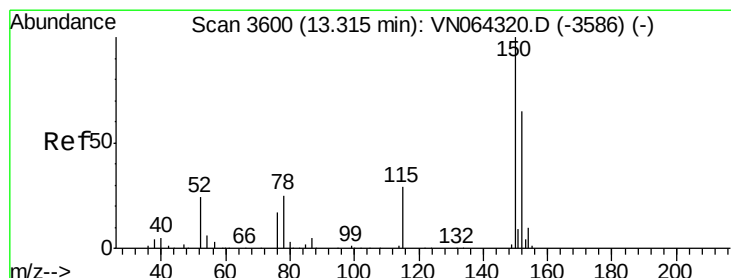
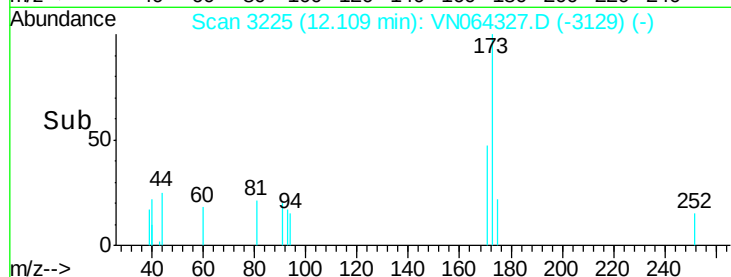
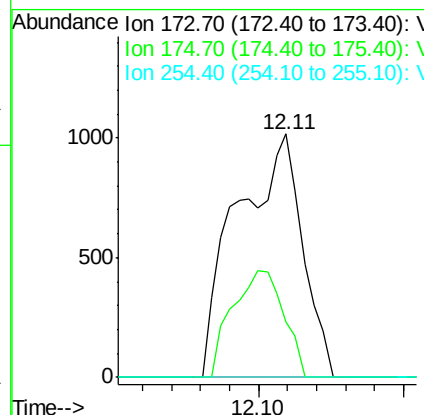
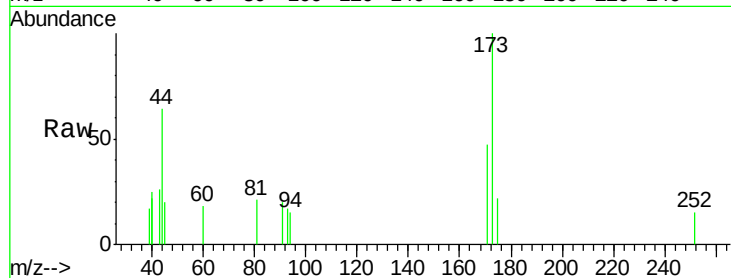
#71  
Bromoform  
Concen: 0.679 ug/l  
RT: 12.11 min Scan# 3225  
Delta R.T. 0.01 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 34.3  | 25.4  | 76.0  |
| 254     | 0.0   | 0.0   | 0.0   |

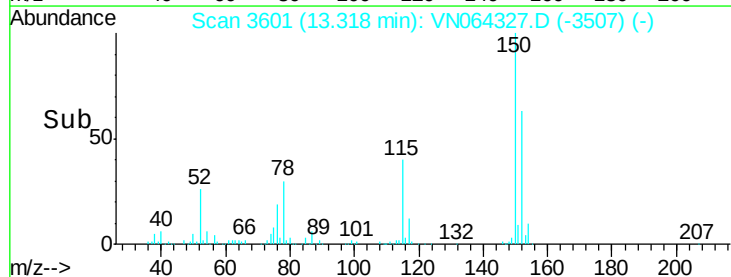
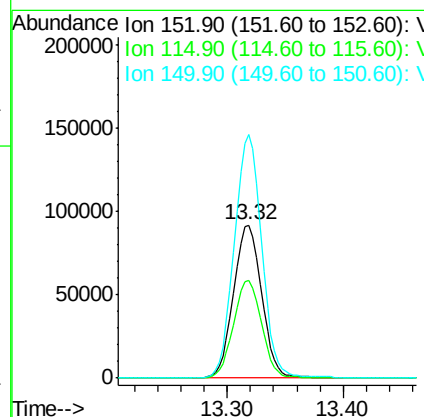
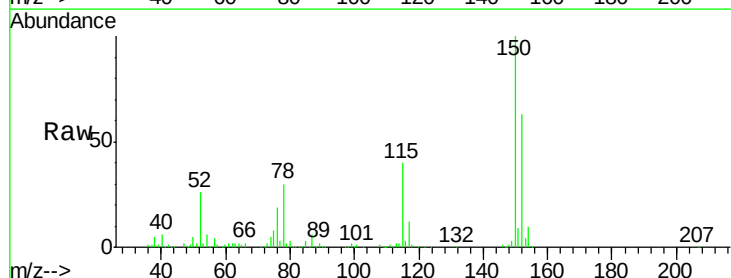
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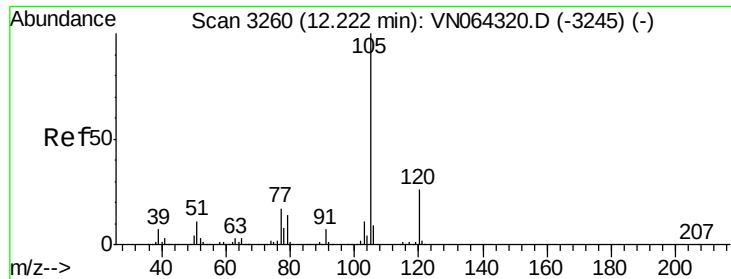


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 63.3  | 31.5  | 94.5  |
| 150     | 153.7 | 0.0   | 346.2 |







#73

Isopropylbenzene

Concen: 0.687 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 7961

Ion Ratio Lower Upper

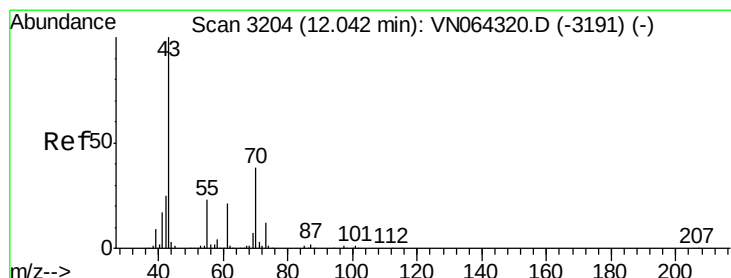
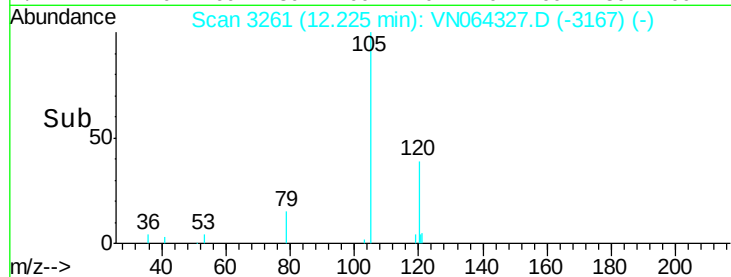
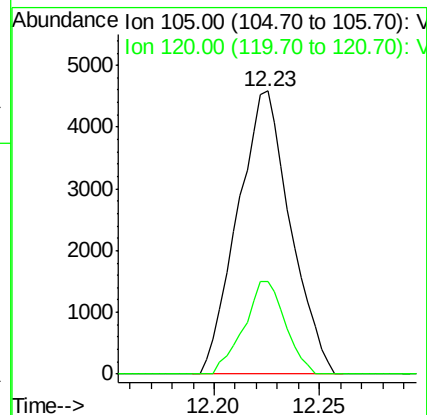
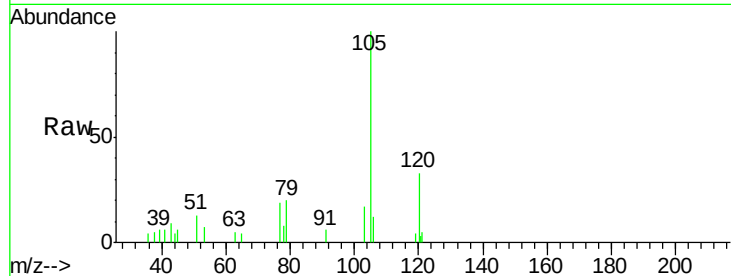
105 100

120 25.7 13.2 39.5

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#74

N-ethyl acetate

Concen: 0.554 ug/l

RT: 12.05 min Scan# 3206

Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Tgt Ion: 43 Resp: 2825

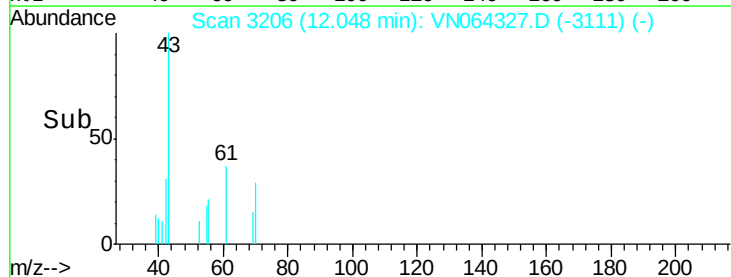
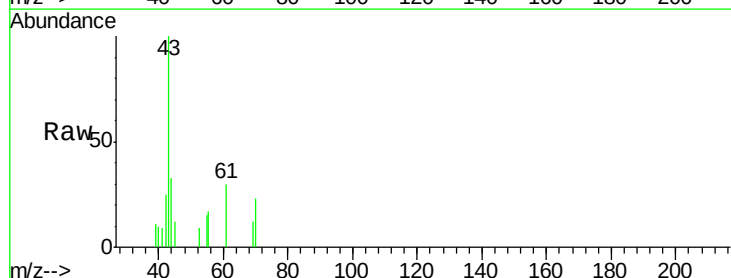
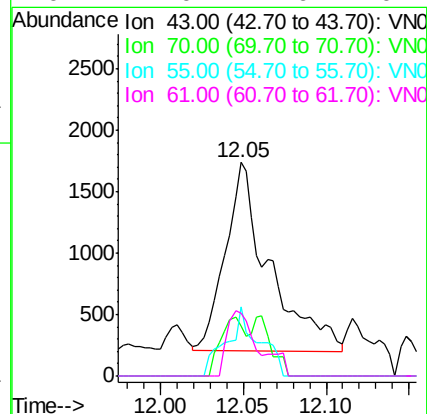
Ion Ratio Lower Upper

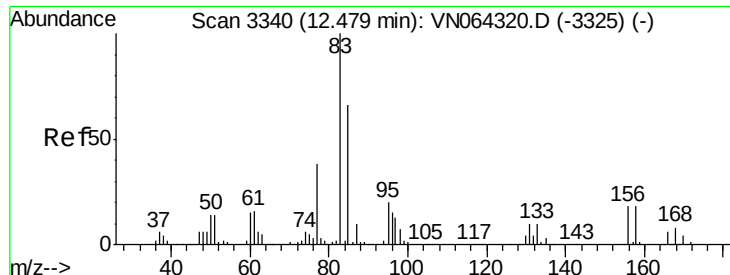
43 100

70 17.0 30.6 45.8#

55 26.8 18.2 27.4

61 21.0 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 0.733 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

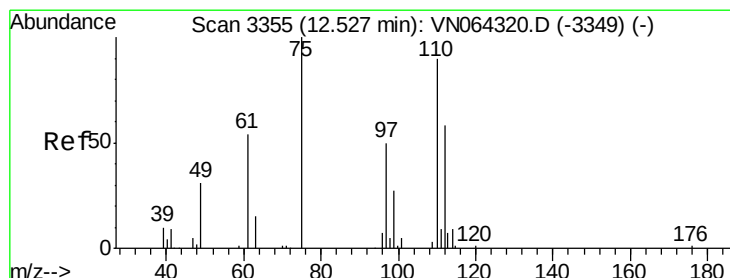
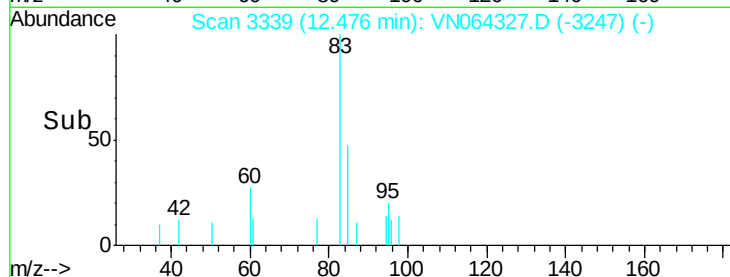
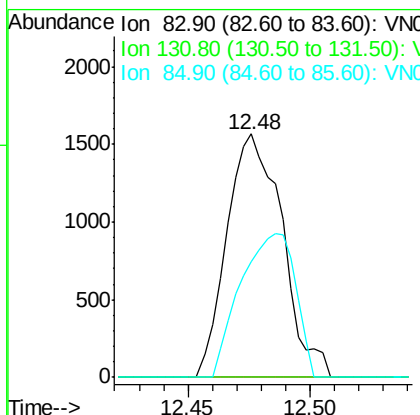
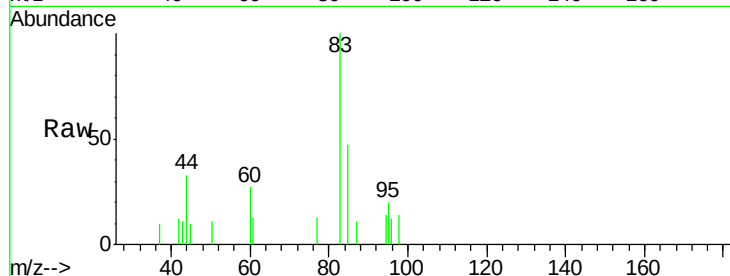
ClientSampleId :

MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 131     | 0.0   | 5.4   | 16.2# |
| 85      | 58.9  | 33.0  | 98.9  |

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#76

1,2,3-Trichloropropane

Concen: 0.492 ug/l m

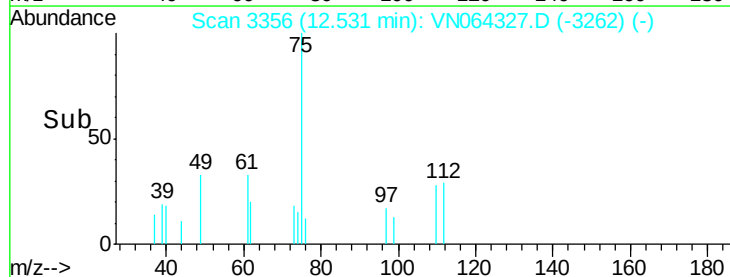
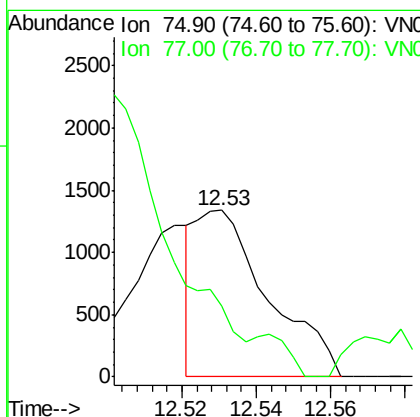
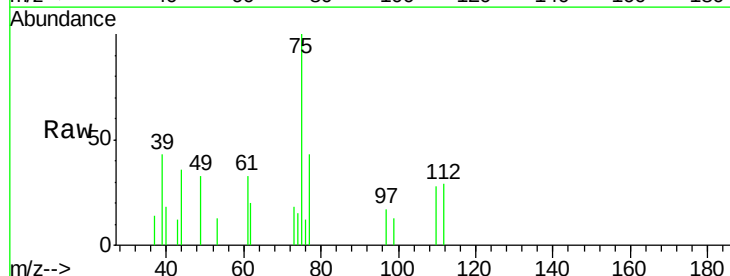
RT: 12.53 min Scan# 3356

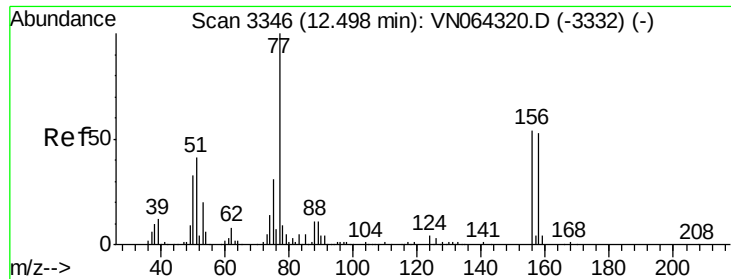
Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 0.708 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

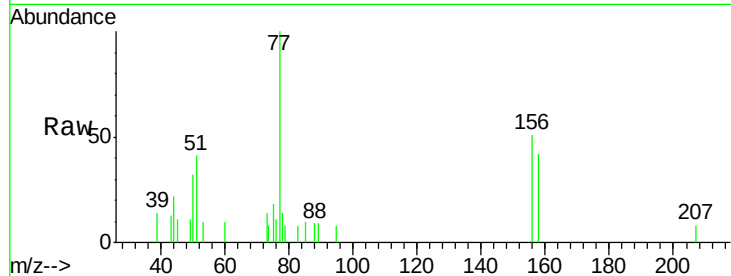
ClientSampleId :

MDL-WATER-03-QT4-2020

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 219.0 | 111.9 | 335.7 |       |
| 158     | 55.9  | 49.0  | 147.0 |       |

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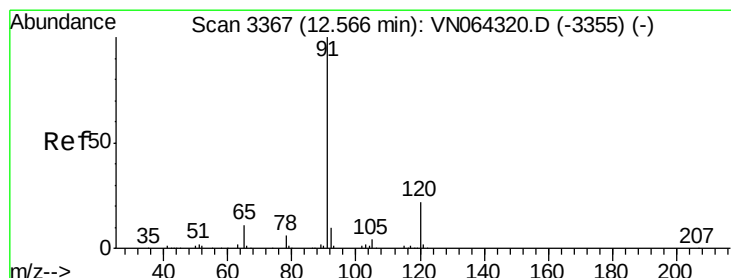
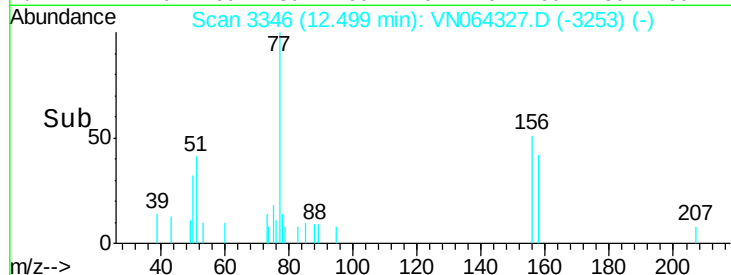
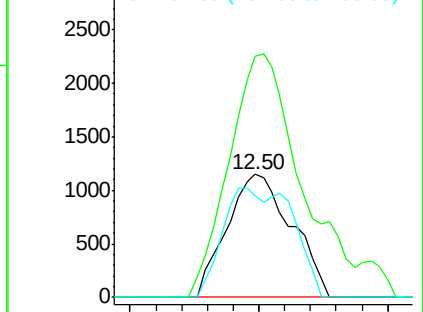
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.705 ug/l

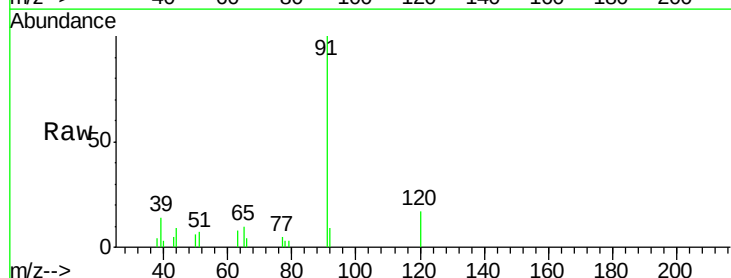
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064327.D

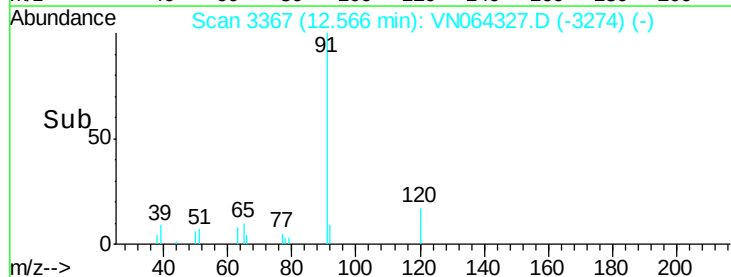
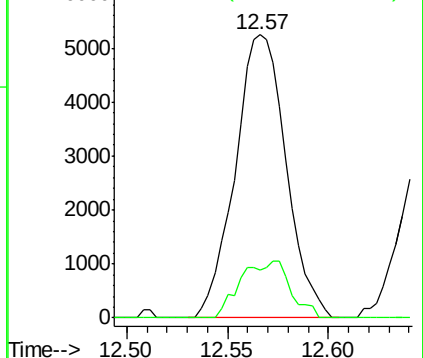
Acq: 27 Oct 2020 15:41

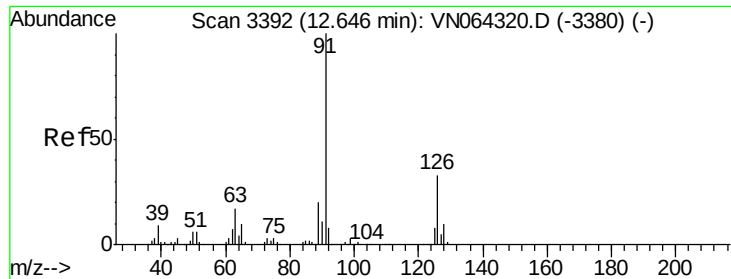
| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 19.6 | 11.2  | 33.5  |       |



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.758 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 91 Resp: 6353

Ion Ratio Lower Upper

91 100

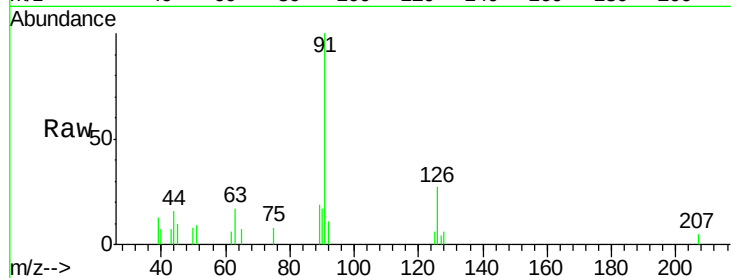
126 32.6 16.2 48.5

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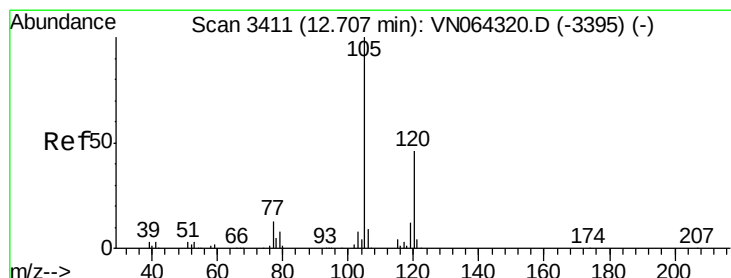
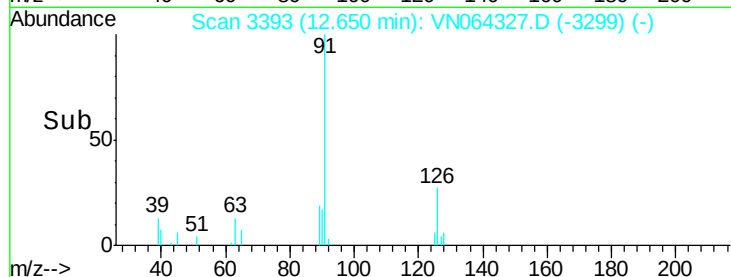


Abundance Ion 91.00 (90.70 to 91.70): VN064327.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN064327.D (-3393) (-)

12.65

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.701 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064327.D

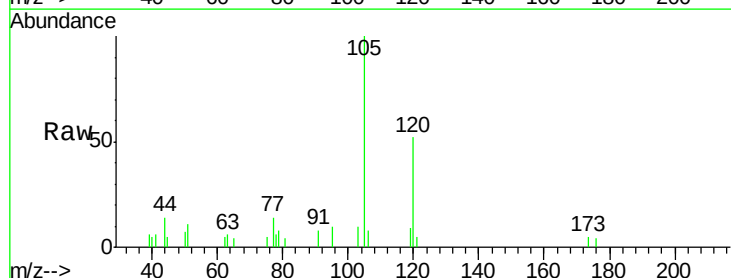
Acq: 27 Oct 2020 15:41

Tgt Ion: 105 Resp: 6865

Ion Ratio Lower Upper

105 100

120 49.3 22.9 68.8

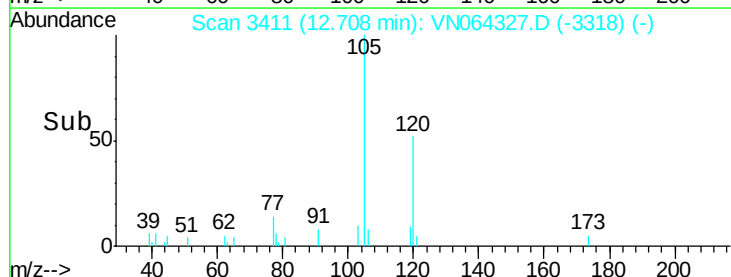


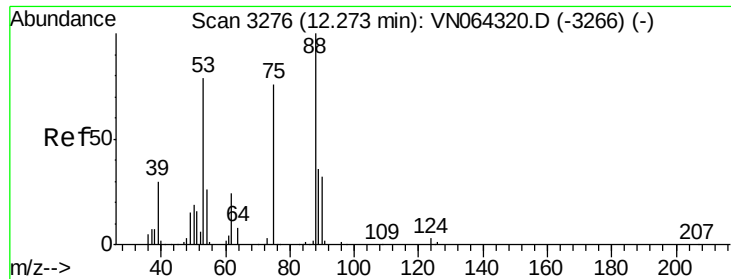
Abundance Ion 105.00 (104.70 to 105.70): VN064327.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064327.D (-3411) (-)

12.71

Time-->





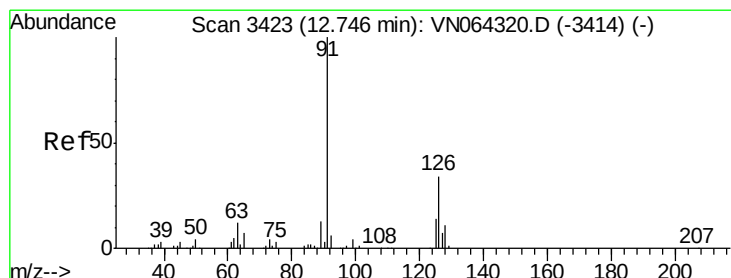
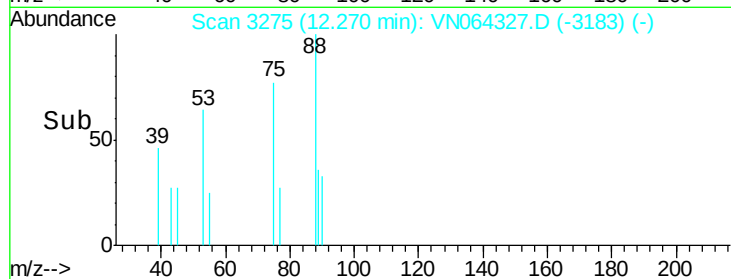
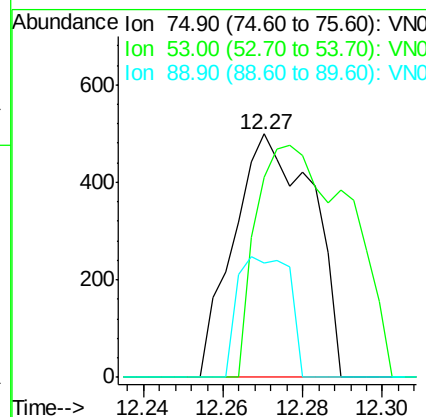
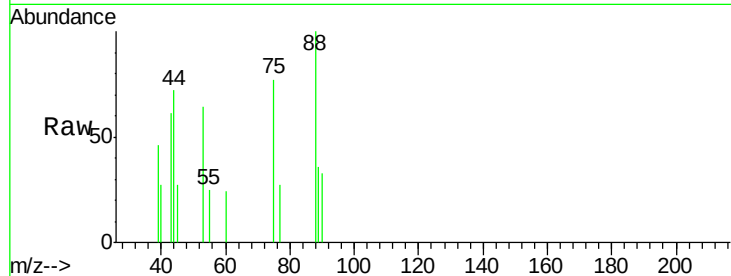
#81  
trans-1,4-Dichloro-2-butene  
Concen: 0.533 ug/l m  
RT: 12.27 min Scan# 3275  
Delta R.T. -0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 81.8  | 122.8# |
| 89      | 0.0   | 39.9  | 59.9#  |

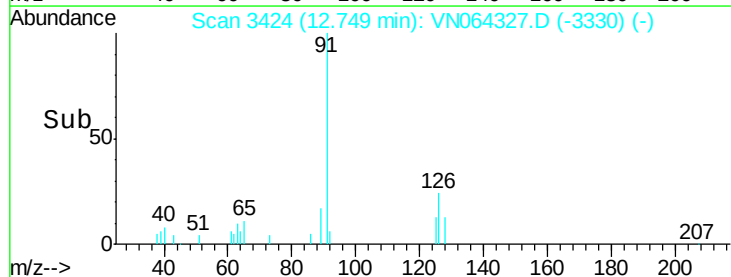
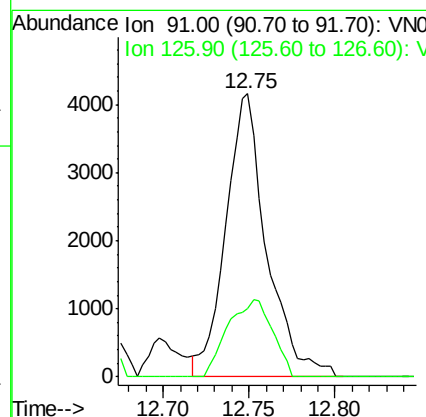
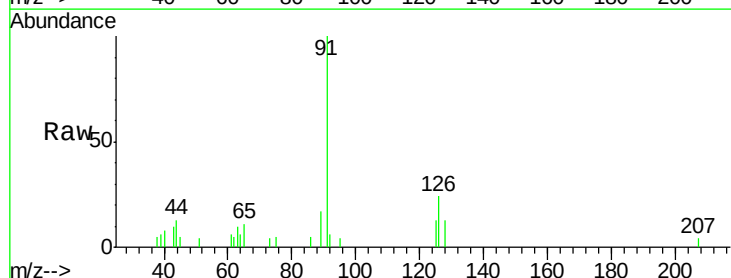
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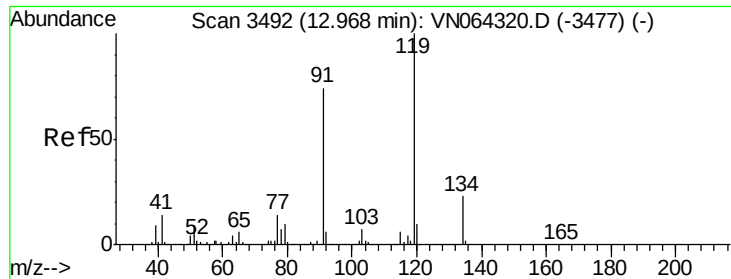
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 0.802 ug/l  
RT: 12.75 min Scan# 3424  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 29.8  | 15.8  | 47.3  |





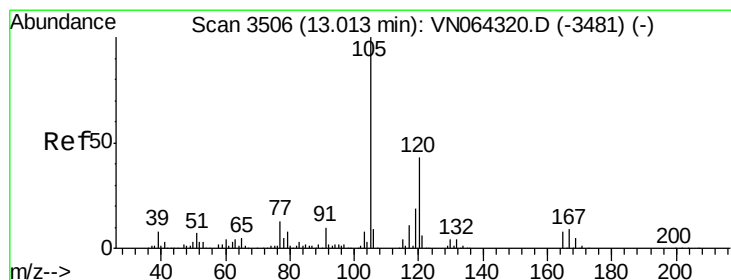
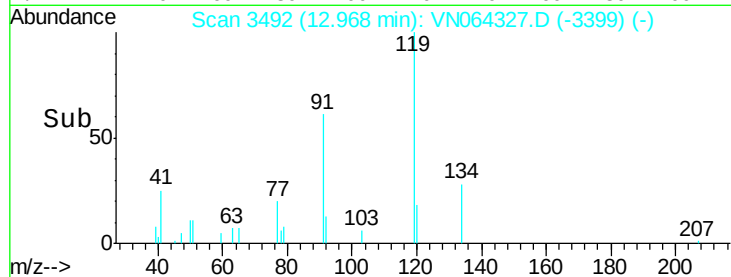
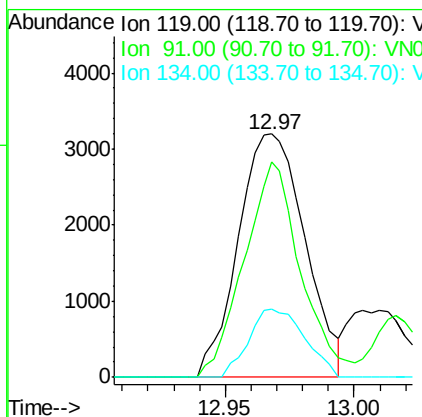
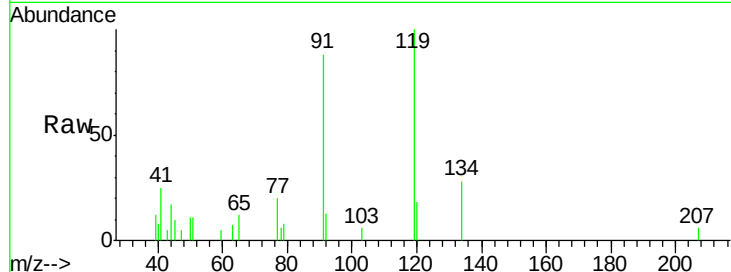
#83  
 tert-Butylbenzene  
 Concen: 0.717 ug/l  
 RT: 12.97 min Scan# 3492  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT4-2020

Tot Ion:119 Resp: 5767  
 Ion Ratio Lower Upper  
 119 100  
 91 75.5 36.4 109.1  
 134 23.5 12.0 36.1

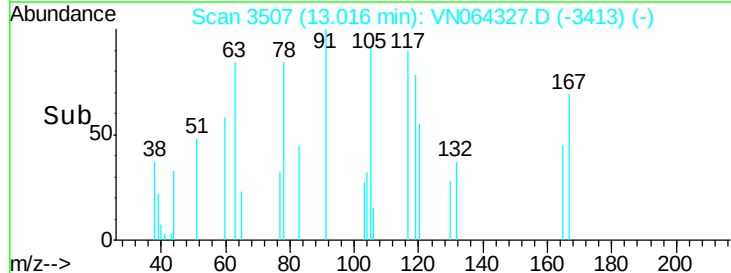
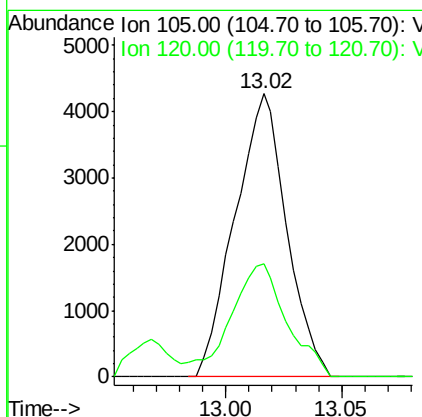
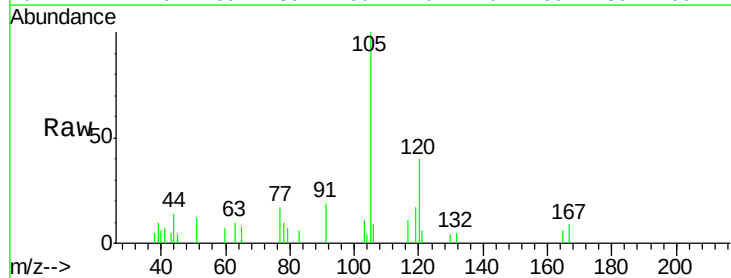
Manual Integrations  
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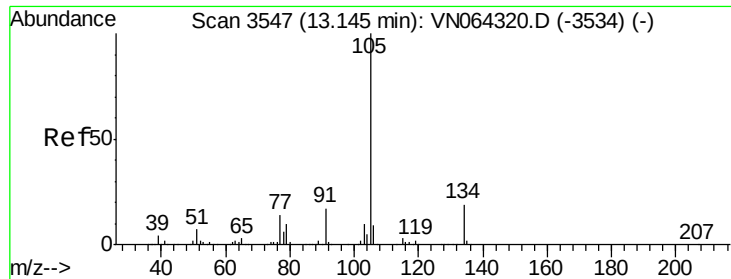
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.674 ug/l  
 RT: 13.02 min Scan# 3507  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Tgt Ion:105 Resp: 6604  
 Ion Ratio Lower Upper  
 105 100  
 120 43.1 21.3 64.0





#85

sec-Butylbenzene

Concen: 0.686 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 7134

Ion Ratio Lower Upper

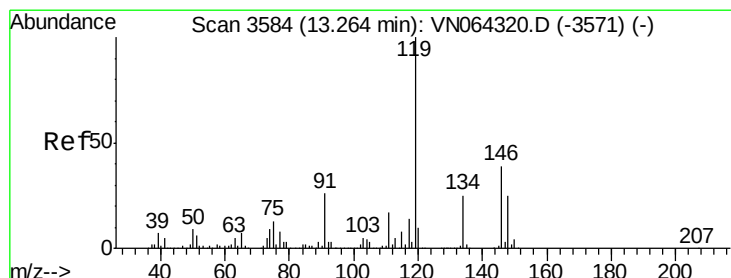
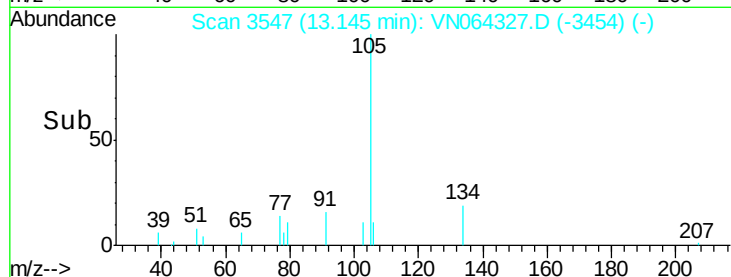
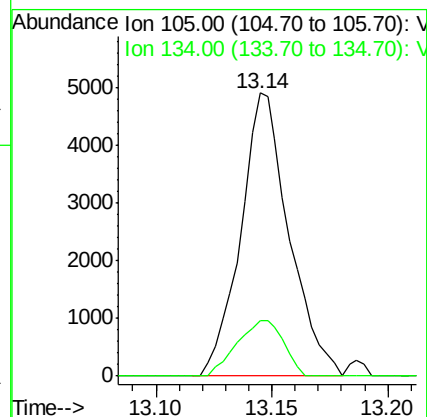
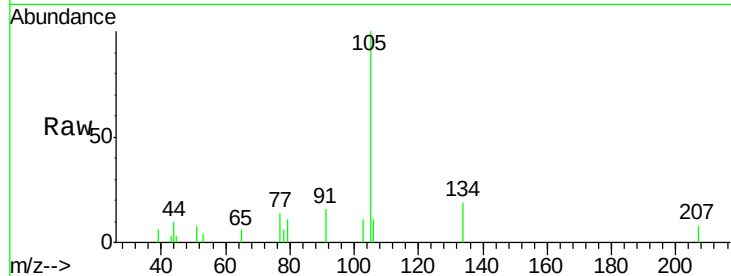
105 100

134 18.8 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 0.625 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

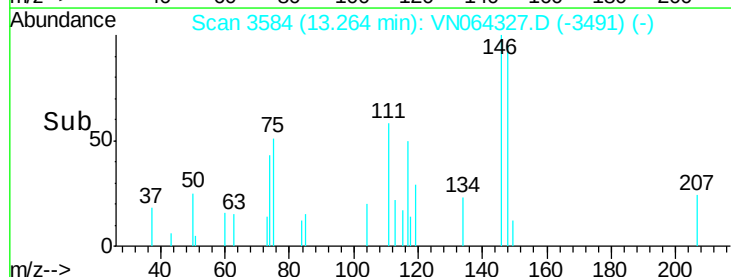
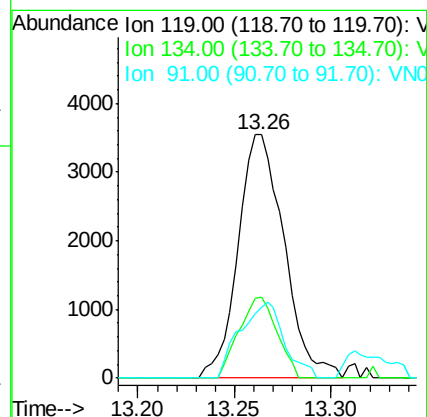
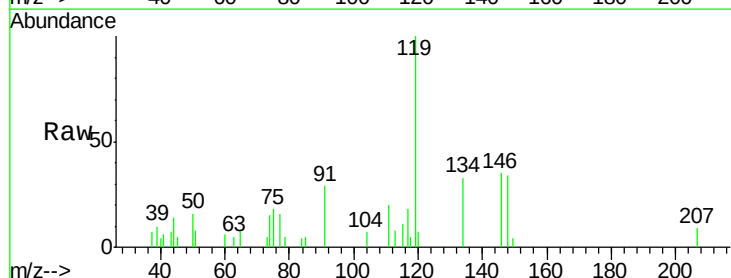
Tgt Ion:119 Resp: 5863

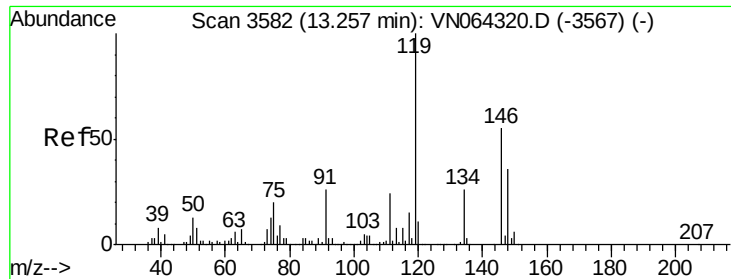
Ion Ratio Lower Upper

119 100

134 27.4 12.8 38.4

91 30.0 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 0.574 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

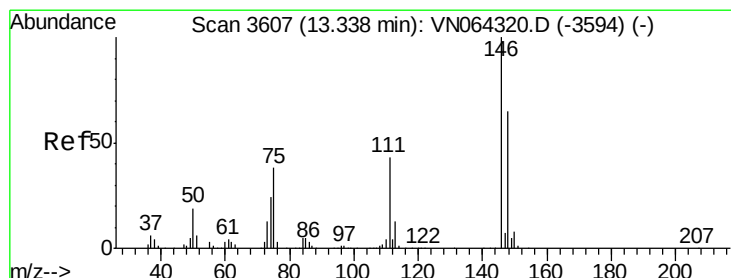
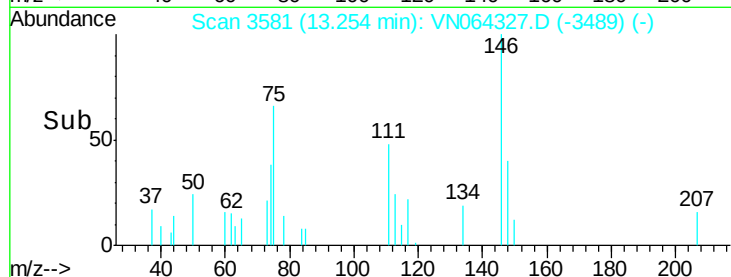
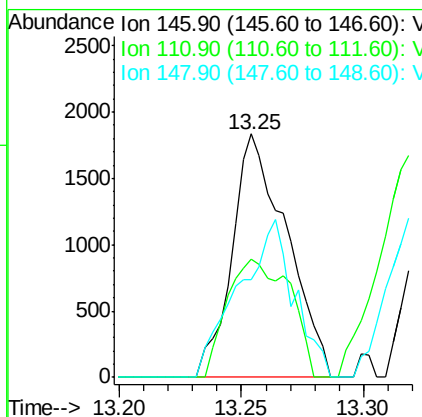
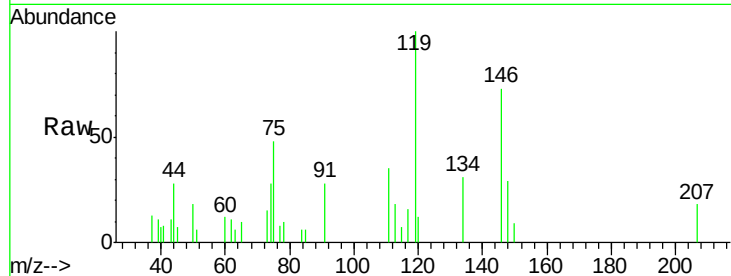
Instrument :  
MSVOA\_N

ClientSampleId :  
MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 55.9  | 21.9  | 65.5  |
| 148     | 65.9  | 32.6  | 98.0  |

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#88

1,4-Dichlorobenzene

Concen: 0.812 ug/l m

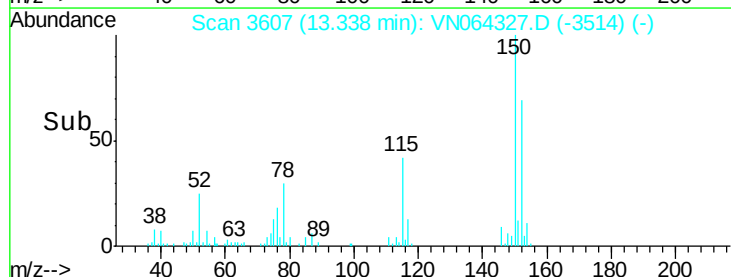
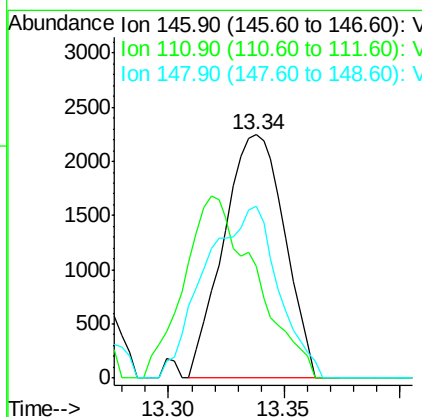
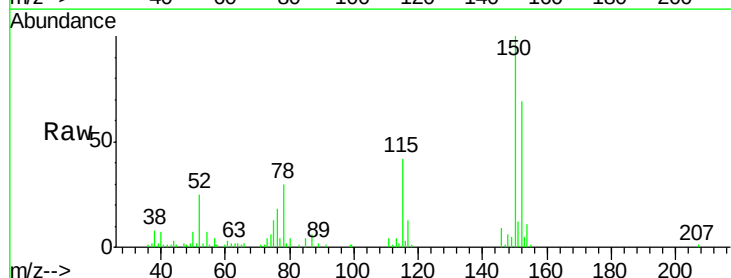
RT: 13.34 min Scan# 3607

Delta R.T. 0.00 min

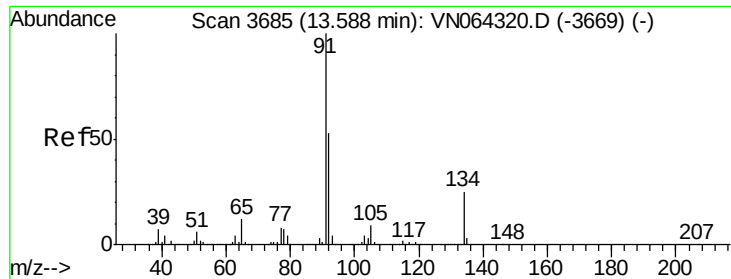
Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.8  | 21.8  | 65.4  |
| 148     | 45.8  | 31.8  | 95.3  |







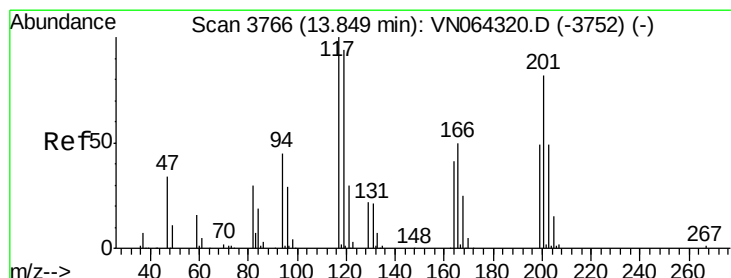
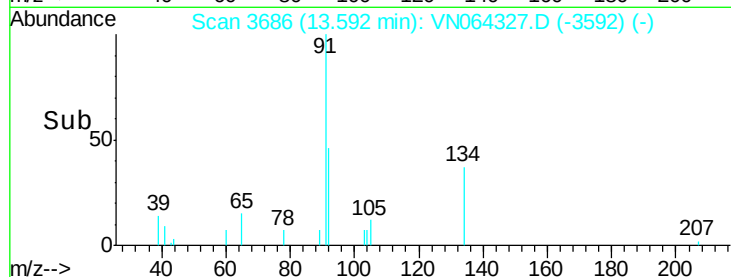
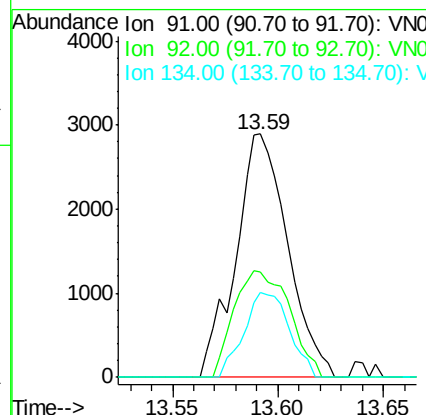
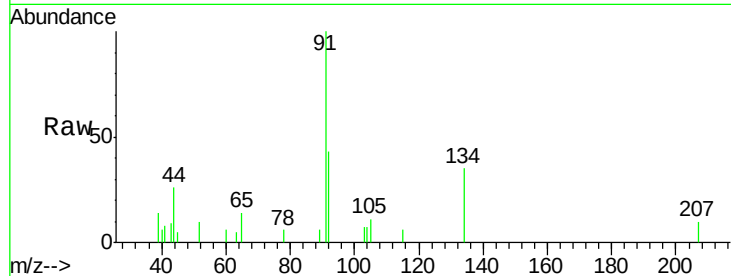
#89  
n-Butylbenzene  
Concen: 0.601 ug/l  
RT: 13.59 min Scan# 3686  
Delta R.T. 0.00 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 46.7  | 26.2  | 78.5  |
| 134     | 30.3  | 12.4  | 37.4  |

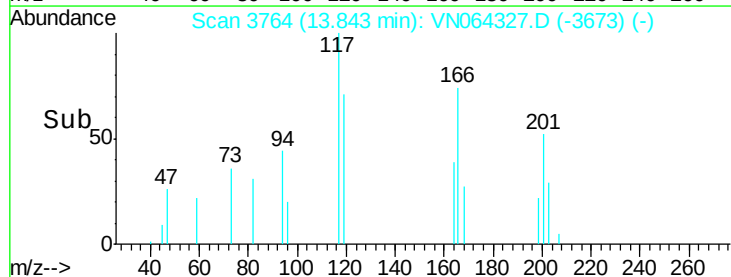
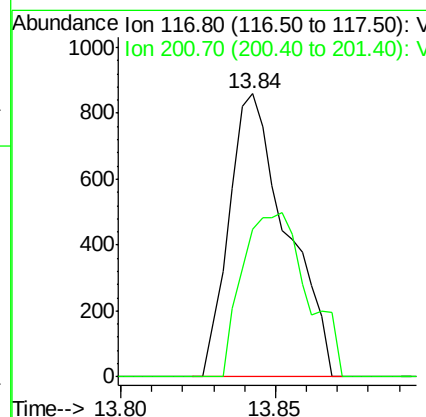
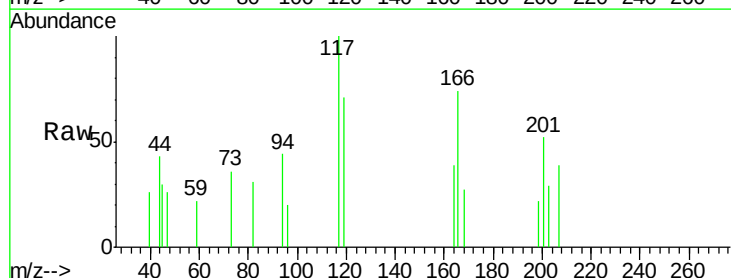
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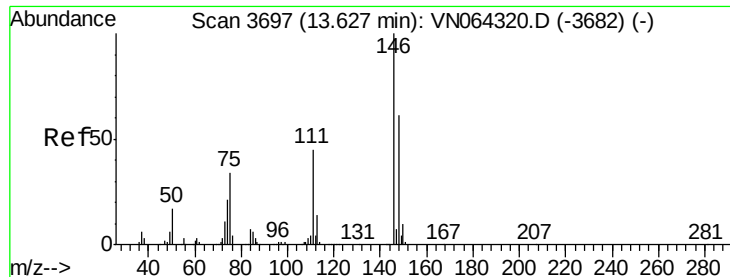
MMDadoda  
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#90  
Hexachloroethane  
Concen: 0.632 ug/l  
RT: 13.84 min Scan# 3764  
Delta R.T. -0.01 min  
Lab File: VN064327.D  
Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 64.9  | 39.8  | 119.3 |





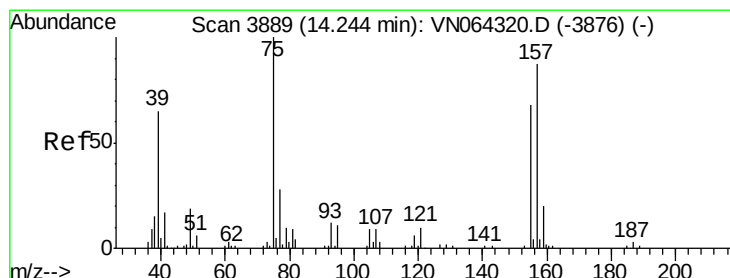
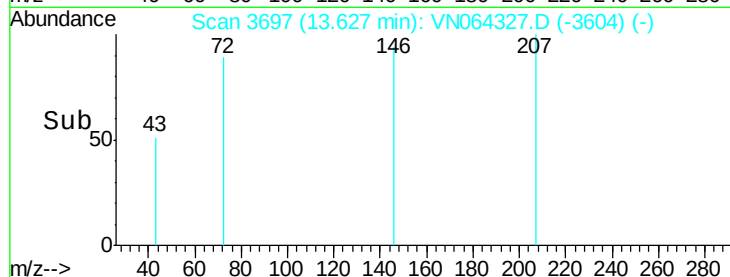
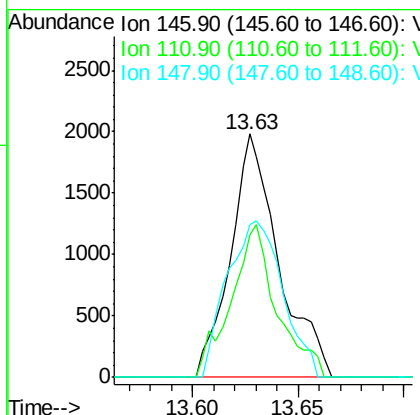
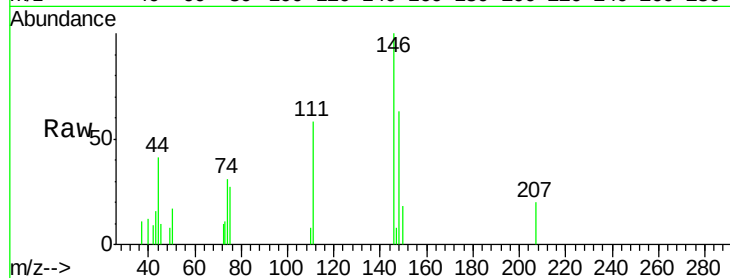
#91  
 1,2-Dichlorobenzene  
 Concen: 0.636 ug/l  
 RT: 13.63 min Scan# 3697  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 59.5  | 23.0  | 69.0  |
| 148     | 74.2  | 32.1  | 96.3  |

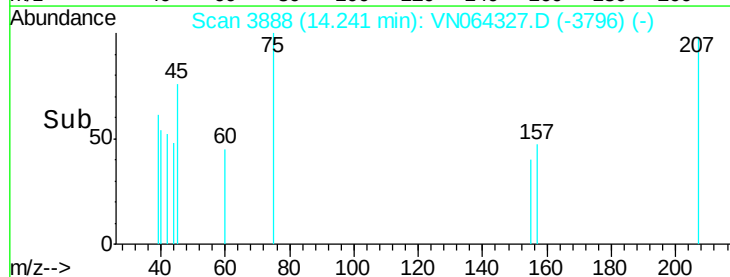
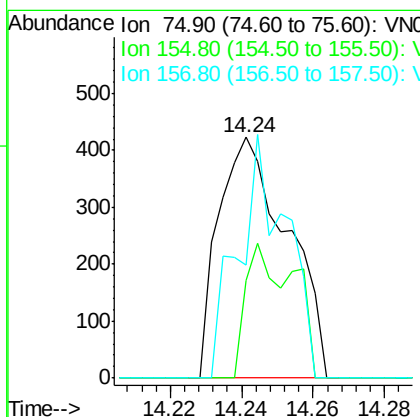
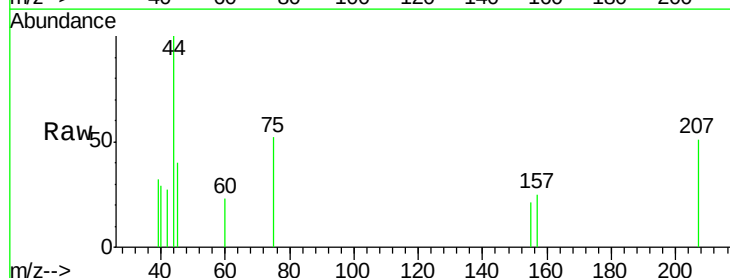
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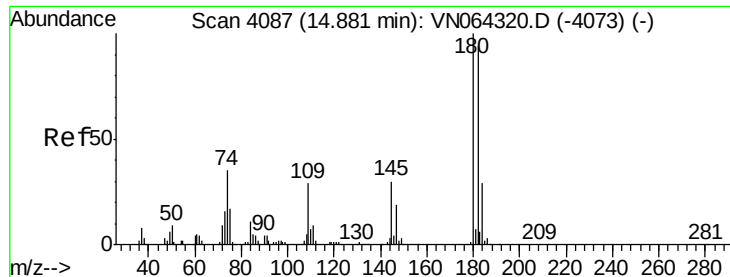
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.673 ug/l  
 RT: 14.24 min Scan# 3888  
 Delta R.T. -0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 38.4  | 35.1  | 105.5 |
| 157     | 70.5  | 43.2  | 129.6 |





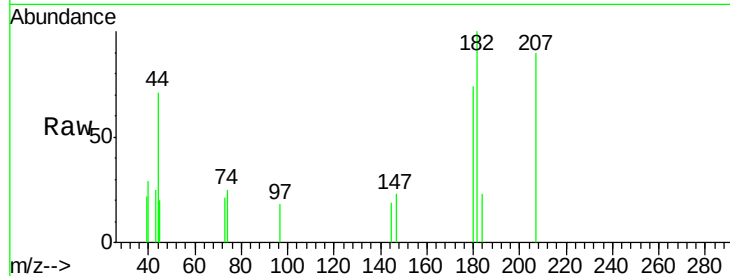
#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.554 ug/l  
 RT: 14.89 min Scan# 4090  
 Delta R.T. 0.01 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT4-2020

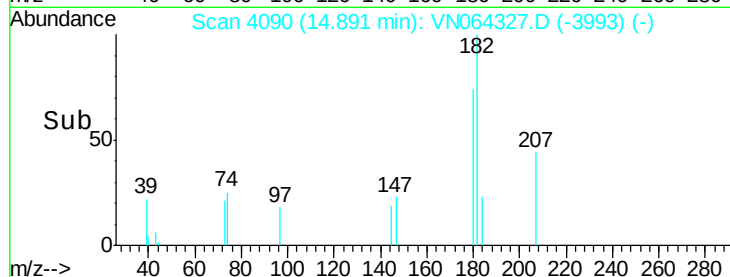
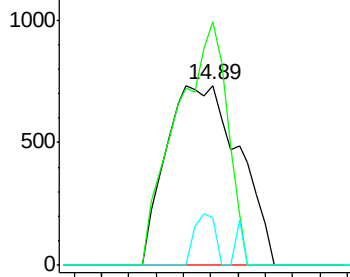
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.8  | 46.6  | 139.7 |
| 145     | 8.0   | 15.3  | 45.9# |

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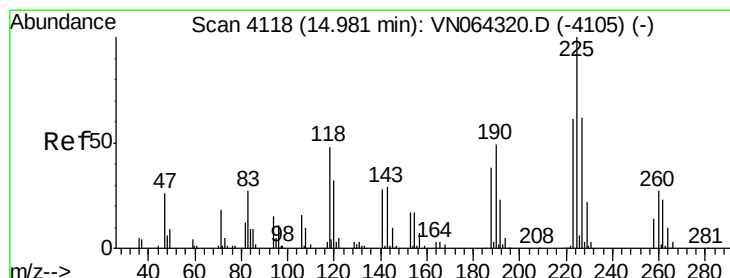
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Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

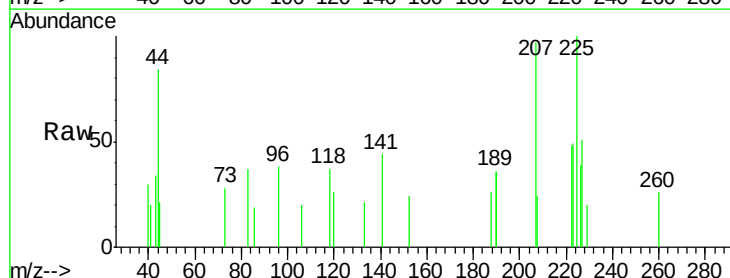


Time-->

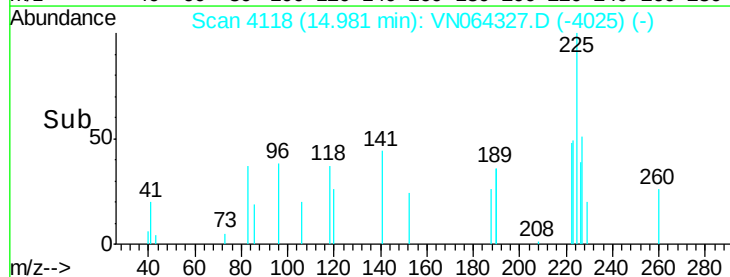
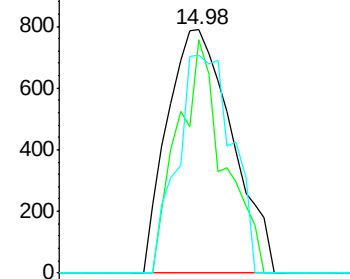


#94  
 Hexachlorobutadiene  
 Concen: 0.810 ug/l  
 RT: 14.98 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN064327.D  
 Acq: 27 Oct 2020 15:41

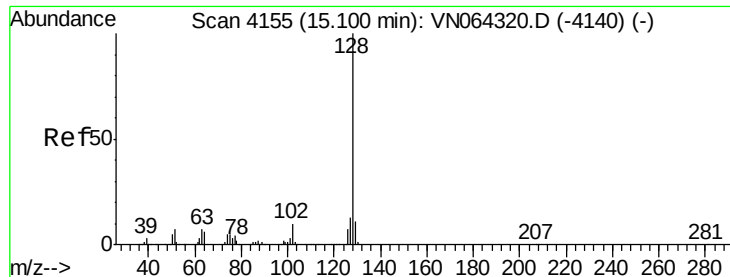
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 68.3  | 31.3  | 93.8  |
| 227     | 75.5  | 32.3  | 96.9  |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 0.434 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA\_N

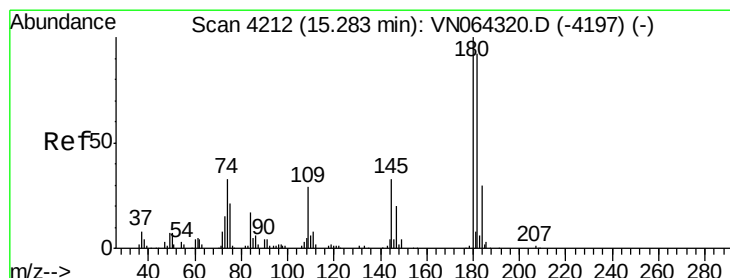
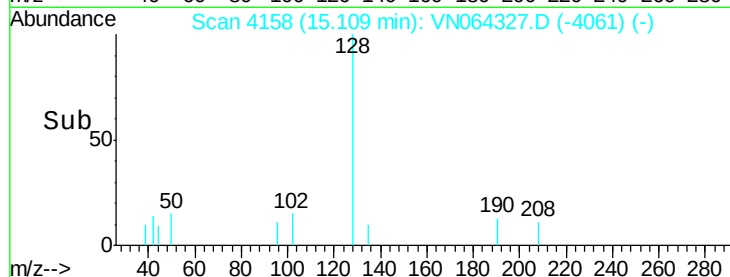
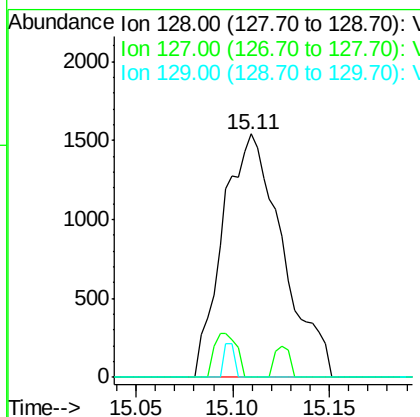
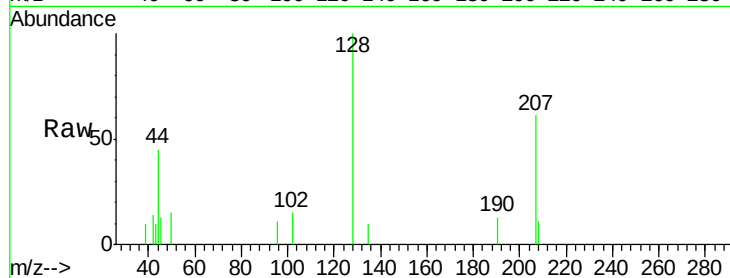
ClientSampleId :

MDL-WATER-03-QT4-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 3303  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 6.9   | 10.4  | 15.6# |
| 129       | 2.5   | 8.6   | 13.0# |

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#96

1,2,3-Trichlorobenzene

Concen: 0.596 ug/l

RT: 15.29 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 1423  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 74.2  | 46.1  | 138.3 |
| 145       | 36.7  | 16.2  | 48.5  |

