

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\  
 Data File : VX017369.D  
 Acq On : 14 Jul 2020 11:26  
 Operator : JC/SP  
 Sample : L3216-09 .75PPB MDL  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2020

Manual Integrations  
 APPROVED

MMDadoda  
 7/15/2020 11:43:11 AM

Quant Time: Jul 15 02:59:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071320W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 15 02:05:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 296233   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 454870   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 427655   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 212497   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 180589   | 48.57 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.14% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 146609   | 47.85 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.70% |          |
| 50) Toluene-d8              | 8.70  | 98   | 505981   | 45.78 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.56% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 185884   | 42.34 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 84.68% |          |

| Target Compounds              | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|-------------------------------|------|------|----------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85   | 1743     | 0.695 | ug/l   | 96     |
| 3) Chloromethane              | 1.32 | 50   | 2360     | 0.836 | ug/l   | 99     |
| 4) Vinyl Chloride             | 1.39 | 62   | 2222     | 0.796 | ug/l   | 94     |
| 5) Bromomethane               | 1.64 | 94   | 2041     | 1.123 | ug/l   | 89     |
| 6) Chloroethane               | 1.72 | 64   | 1555     | 0.882 | ug/l   | 93     |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 3561     | 0.756 | ug/l   | 91     |
| 8) Diethyl Ether              | 2.17 | 74   | 1667     | 1.001 | ug/l   | 83     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.36 | 101  | 1936     | 0.721 | ug/l # | 88     |
| 10) Methyl Iodide             | 2.50 | 142  | 1906     | 0.585 | ug/l # | 89     |
| 11) Tert butyl alcohol        | 3.02 | 59   | 2349     | 3.750 | ug/l   | 96     |
| 12) 1,1-Dichloroethene        | 2.36 | 96   | 2417     | 0.897 | ug/l   | 91     |
| 13) Acrolein                  | 2.28 | 56   | 1294     | 3.768 | ug/l   | 96     |
| 14) Allyl chloride            | 2.71 | 41   | 3615     | 0.774 | ug/l   | 96     |
| 15) Acrylonitrile             | 3.12 | 53   | 5971     | 3.932 | ug/l   | 99     |
| 16) Acetone                   | 2.42 | 43   | 5311     | 4.004 | ug/l   | 98     |
| 17) Carbon Disulfide          | 2.55 | 76   | 6489     | 0.825 | ug/l # | 88     |
| 18) Methyl Acetate            | 2.75 | 43   | 2786     | 0.850 | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 3.17 | 73   | 6576     | 0.718 | ug/l # | 84     |
| 20) Methylene Chloride        | 2.83 | 84   | 3060     | 0.946 | ug/l # | 91     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96   | 2634     | 0.854 | ug/l # | 76     |
| 22) Diisopropyl ether         | 3.83 | 45   | 5961     | 0.670 | ug/l # | 93     |
| 23) Vinyl Acetate             | 3.79 | 43   | 24641    | 3.149 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.67 | 63   | 4124     | 0.789 | ug/l # | 86     |
| 25) 2-Butanone                | 4.64 | 43   | 8010     | 3.802 | ug/l   | 95     |
| 26) 2,2-Dichloropropane       | 4.55 | 77   | 3861     | 0.793 | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 4.57 | 96   | 2710     | 0.801 | ug/l   | 76     |
| 28) Bromochloromethane        | 4.98 | 49   | 2163     | 0.895 | ug/l # | 82     |
| 29) Tetrahydrofuran           | 5.10 | 42   | 5074     | 3.721 | ug/l # | 89     |
| 30) Chloroform                | 5.18 | 83   | 4508     | 0.801 | ug/l   | 96     |
| 31) Cyclohexane               | 5.54 | 56   | 2687     | 0.628 | ug/l   | 93     |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97   | 4114     | 0.791 | ug/l # | 42     |
| 36) 1,1-Dichloropropene       | 5.78 | 75   | 3422     | 0.818 | ug/l # | 66     |
| 37) Ethyl Acetate             | 4.80 | 43   | 3438     | 0.795 | ug/l # | 81     |
| 38) Carbon Tetrachloride      | 5.76 | 117  | 3901     | 0.796 | ug/l # | 84     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071420\  
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 Sample : L3216-09 .75PPB MDL  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2020

Manual Integrations  
 APPROVED

MMDadoda  
 7/15/2020 11:43:11 AM

Quant Time: Jul 15 02:59:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071320W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 15 02:05:30 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 3114     | 0.685  | ug/l   | 88       |
| 40) Benzene                    | 6.11  | 78   | 9396     | 0.781  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.01  | 41   | 1740     | 0.749  | ug/l # | 64       |
| 42) 1,2-Dichloroethane         | 6.15  | 62   | 4297     | 0.920  | ug/l   | 92       |
| 43) Isopropyl Acetate          | 6.42  | 43   | 5370     | 0.777  | ug/l # | 95       |
| 44) Trichloroethene            | 7.19  | 130  | 2859     | 0.778  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 2510     | 0.816  | ug/l   | 96       |
| 46) Dibromomethane             | 7.63  | 93   | 1665     | 0.750  | ug/l   | 91       |
| 47) Bromodichloromethane       | 7.87  | 83   | 3496     | 0.754  | ug/l # | 79       |
| 48) Methyl methacrylate        | 7.74  | 41   | 2665     | 0.803  | ug/l # | 82       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 1349     | 19.868 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 12459    | 2.955  | ug/l   | 97       |
| 52) Toluene                    | 8.76  | 92   | 5878     | 0.762  | ug/l   | 90       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 3368     | 0.674  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 3448     | 0.647  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 2529     | 0.786  | ug/l   | 88       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 2649     | 0.580  | ug/l # | 81       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 3624     | 0.677  | ug/l   | 93       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 6566     | 2.831  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 9138     | 2.872  | ug/l   | 96       |
| 60) Dibromochloromethane       | 9.56  | 129  | 2593     | 0.660  | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 9.66  | 107  | 2414     | 0.690  | ug/l   | 96       |
| 64) Tetrachloroethene          | 9.32  | 164  | 2773     | 0.749  | ug/l   | 96       |
| 65) Chlorobenzene              | 10.12 | 112  | 6326     | 0.728  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.20 | 131  | 2519     | 0.728  | ug/l # | 62       |
| 67) Ethyl Benzene              | 10.24 | 91   | 8792     | 0.608  | ug/l   | 91       |
| 68) m/p-Xylenes                | 10.34 | 106  | 6613     | 1.201  | ug/l   | 98       |
| 69) o-Xylene                   | 10.68 | 106  | 3148     | 0.598  | ug/l   | 95       |
| 70) Styrene                    | 10.70 | 104  | 4869     | 0.539  | ug/l   | 94       |
| 71) Bromoform                  | 10.84 | 173  | 1944     | 0.666  | ug/l # | 97       |
| 73) Isopropylbenzene           | 11.00 | 105  | 7766     | 0.583  | ug/l   | 92       |
| 74) N-amyl acetate             | 10.88 | 43   | 3437     | 0.645  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 3249     | 0.803  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 2444m    | 0.622  | ug/l   |          |
| 77) Bromobenzene               | 11.24 | 156  | 3061     | 0.807  | ug/l   | 91       |
| 78) n-propylbenzene            | 11.34 | 91   | 9841     | 0.658  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 6478     | 0.703  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 7041     | 0.623  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.05 | 75   | 1144m    | 0.739  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 8057     | 0.737  | ug/l   | 93       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 6371     | 0.583  | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 6247     | 0.547  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 7414     | 0.579  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 7010     | 0.579  | ug/l # | 83       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 4916     | 0.724  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 5668m    | 0.827  | ug/l   |          |
| 89) n-Butylbenzene             | 12.37 | 91   | 6440     | 0.624  | ug/l   | 97       |
| 90) Hexachloroethane           | 12.58 | 117  | 1641     | 0.714  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 4263     | 0.668  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 760      | 0.712  | ug/l   | 89       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071420\  
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Operator : JC/SP  
Sample : L3216-09 .75PPB MDL  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

Manual Integrations  
APPROVED

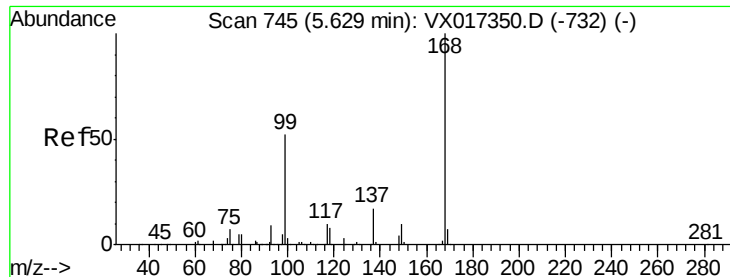
MMDadoda  
7/15/2020 11:43:11 AM

Quant Time: Jul 15 02:59:33 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071320W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 15 02:05:30 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 2970     | 0.671 | ug/l  | 94       |
| 94) Hexachlorobutadiene    | 13.76 | 225  | 1596     | 0.884 | ug/l  | 96       |
| 95) Naphthalene            | 13.82 | 128  | 7553     | 0.580 | ug/l  | 97       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 2837     | 0.663 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:168 Resp: 296233

Ion Ratio Lower Upper

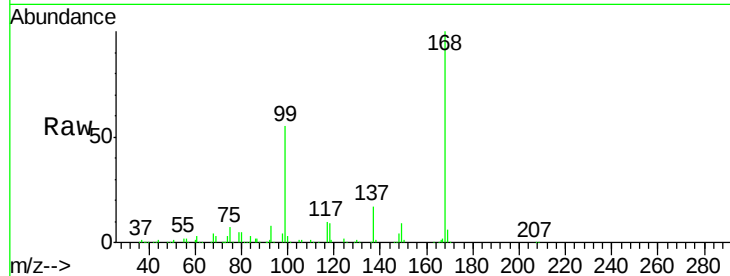
168 100

99 55.3 41.6 62.4

Manual Integrations  
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7/15/2020 11:43:11 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

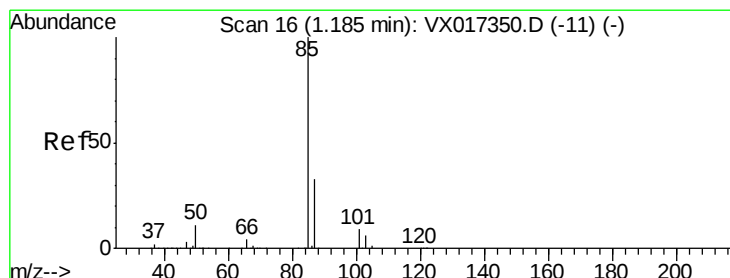
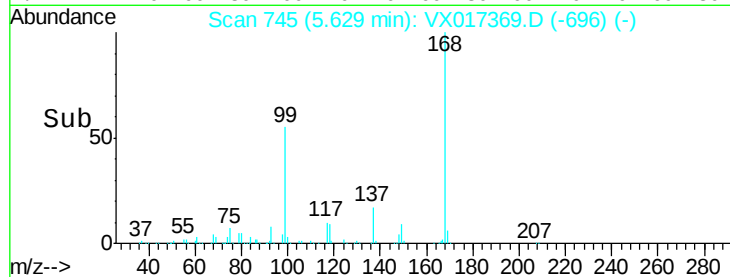
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.695 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017369.D

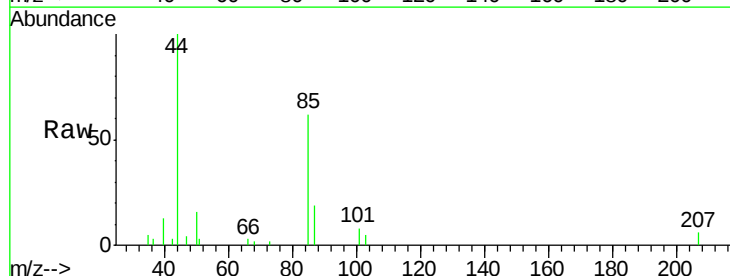
Acq: 14 Jul 2020 11:26

Tgt Ion: 85 Resp: 1743

Ion Ratio Lower Upper

85 100

87 30.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

2000

1500

1000

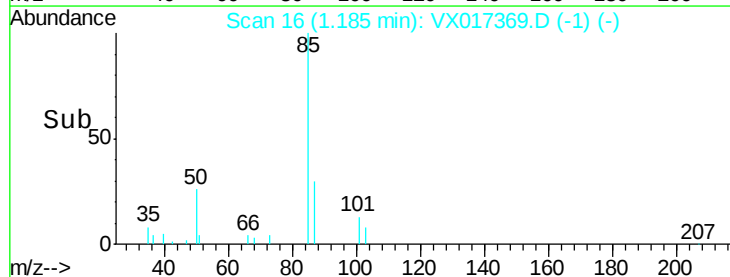
500

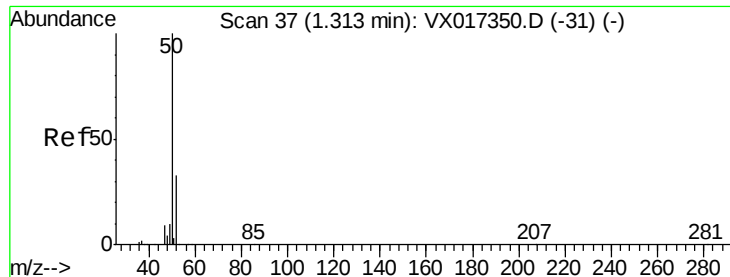
0

1.15

1.20

Time-->





#3

Chloromethane

Concen: 0.836 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 50 Resp: 2360

Ion Ratio Lower Upper

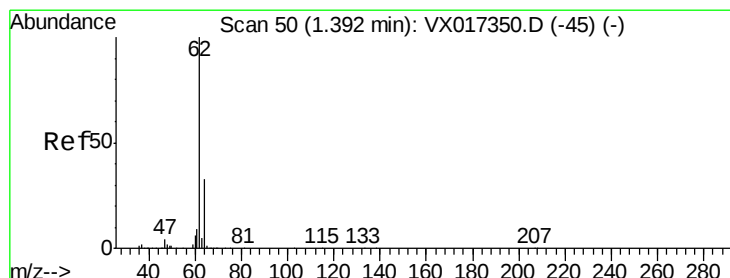
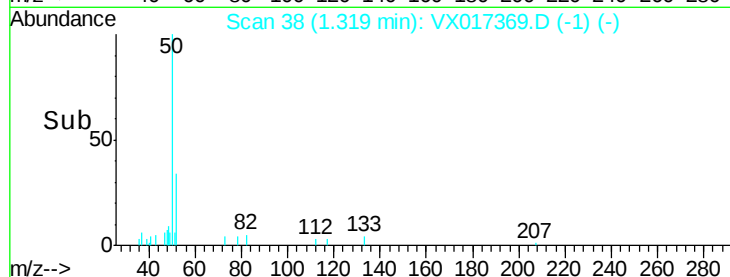
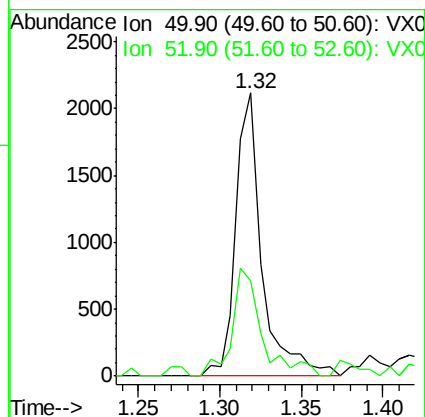
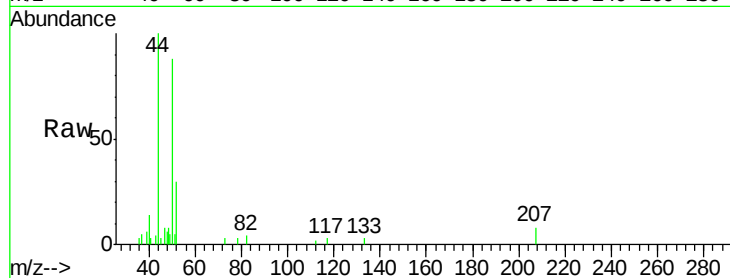
50 100

52 33.8 26.7 40.1

Manual Integrations  
APPROVED

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7/15/2020 11:43:11 AM



#4

Vinyl Chloride

Concen: 0.796 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017369.D

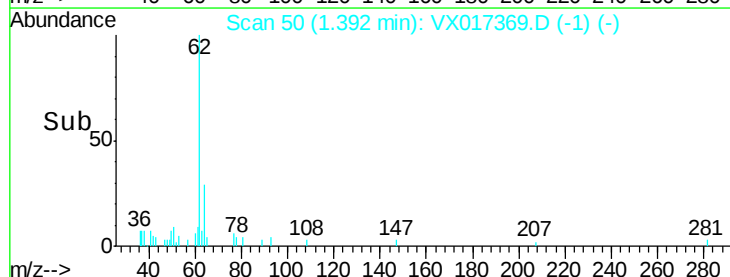
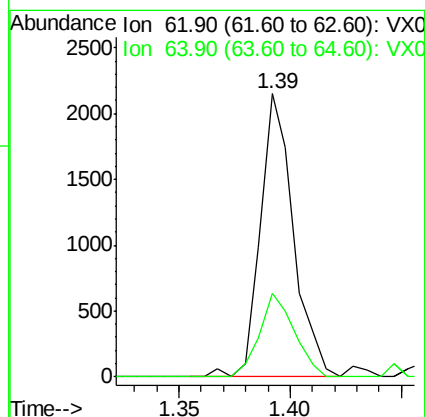
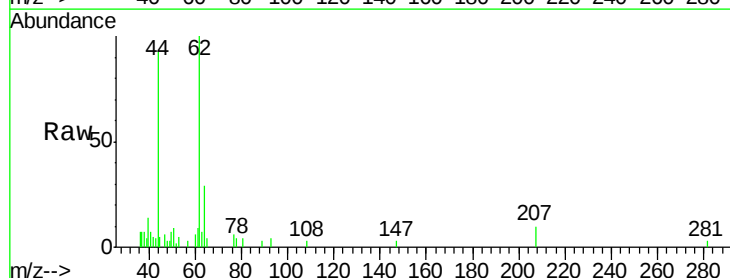
Acq: 14 Jul 2020 11:26

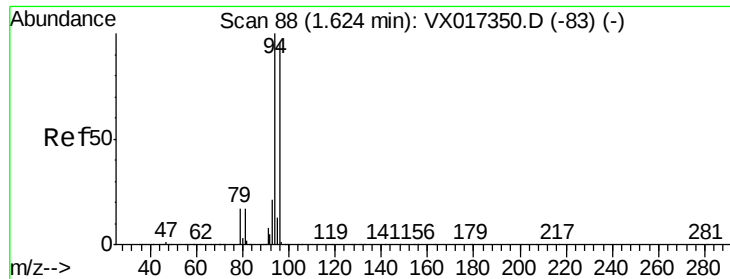
Tgt Ion: 62 Resp: 2222

Ion Ratio Lower Upper

62 100

64 29.3 26.3 39.5





#5

Bromomethane

Concen: 1.123 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 94 Resp: 2041

Ion Ratio Lower Upper

94 100

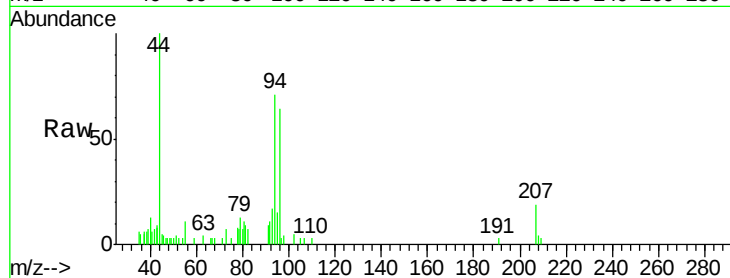
96 84.7 76.6 115.0

Manual Integrations

APPROVED

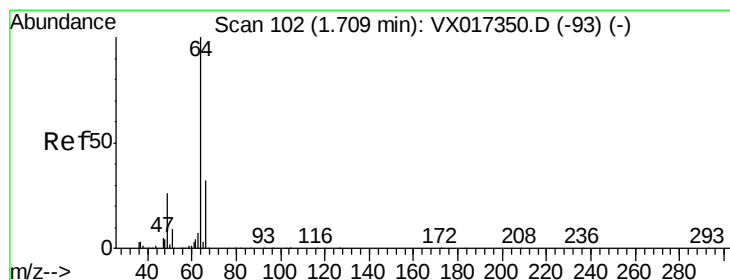
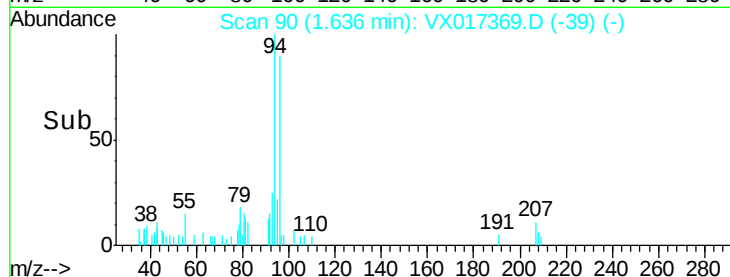
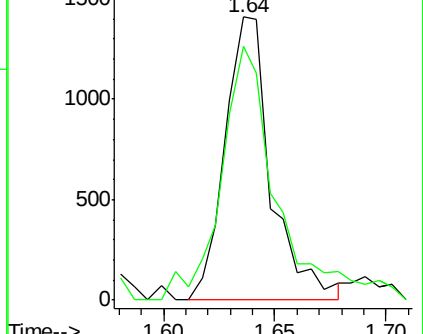
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.882 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017369.D

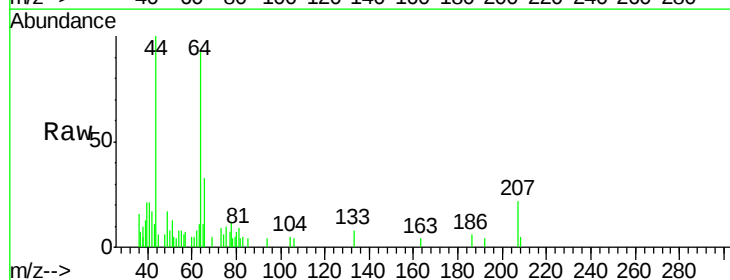
Acq: 14 Jul 2020 11:26

Tgt Ion: 64 Resp: 1555

Ion Ratio Lower Upper

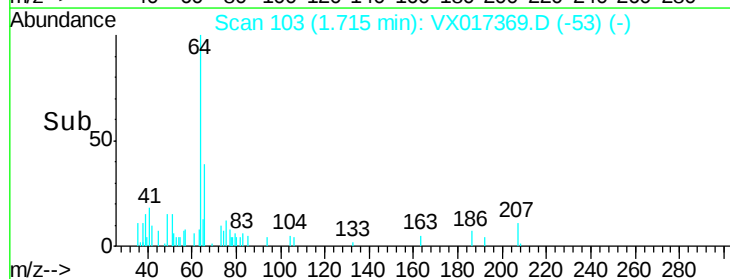
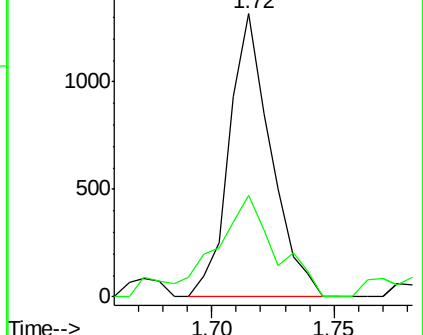
64 100

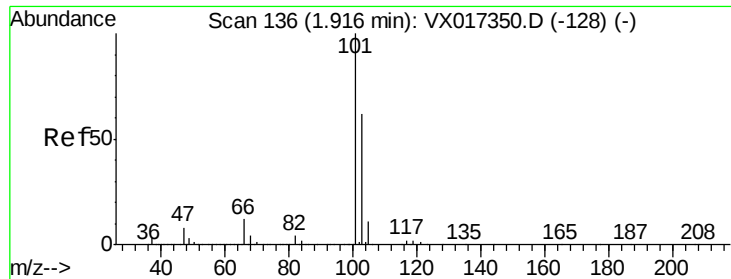
66 36.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

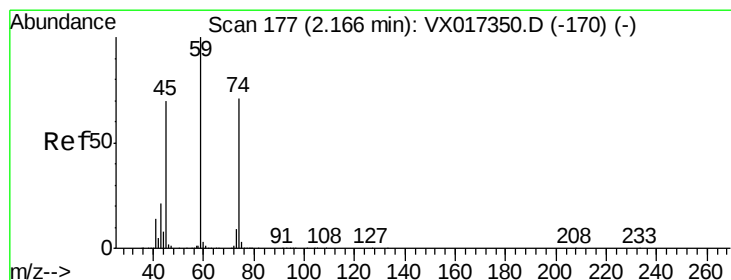
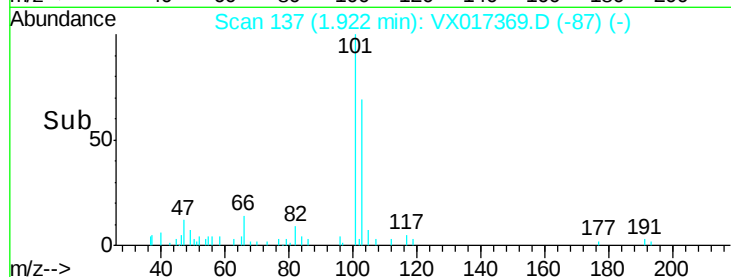
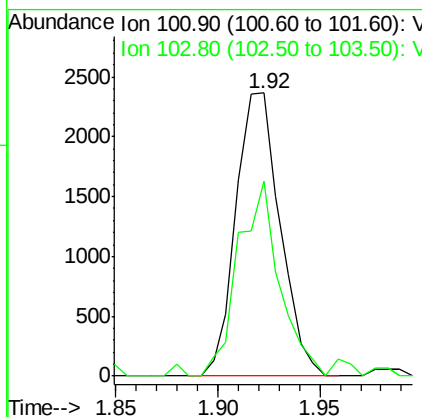
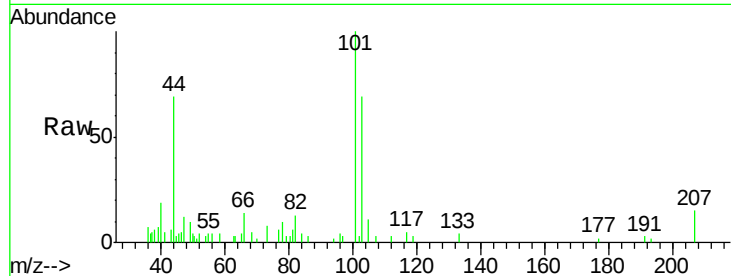
Trichlorofluoromethane  
 Concen: 0.756 ug/l  
 RT: 1.92 min Scan# 137  
 Delta R.T. 0.01 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 69.0  | 49.6  | 74.4  |

Manual Integrations  
 APPROVED

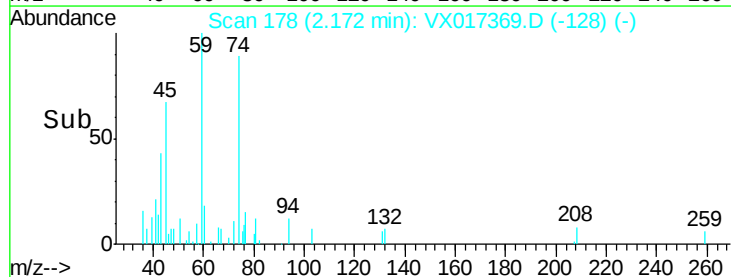
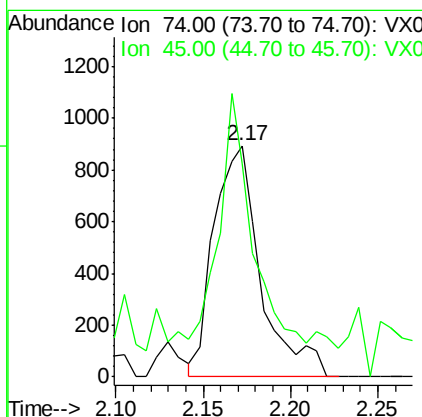
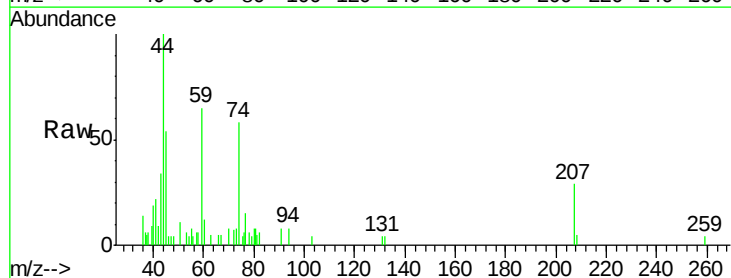
MMDadoda  
 7/15/2020 11:43:11 AM

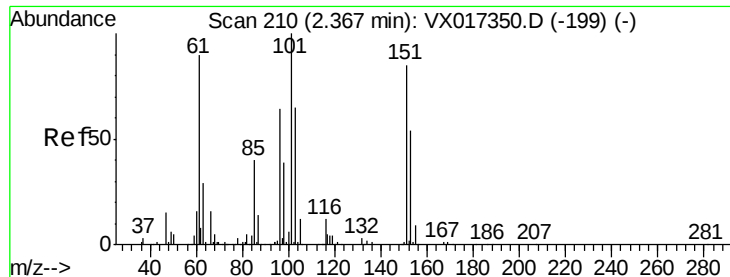


#8

Diethyl Ether  
 Concen: 1.001 ug/l  
 RT: 2.17 min Scan# 178  
 Delta R.T. 0.01 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 77.6  | 47.2  | 141.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.721 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

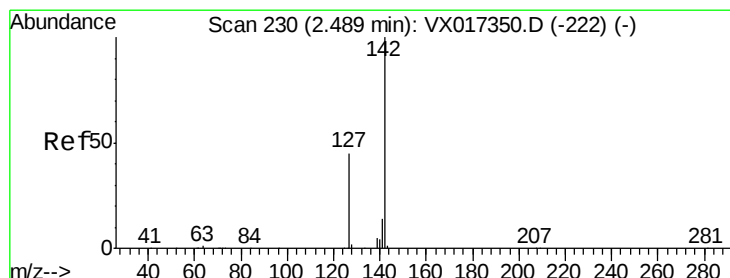
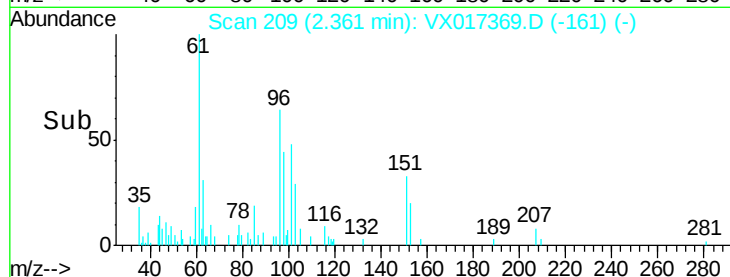
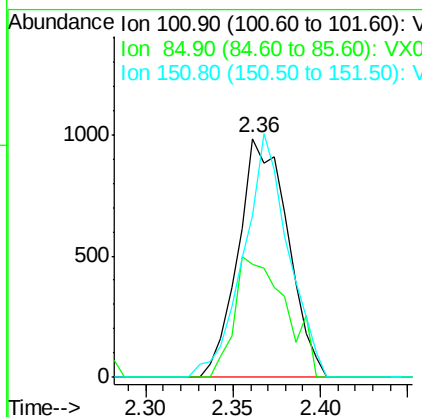
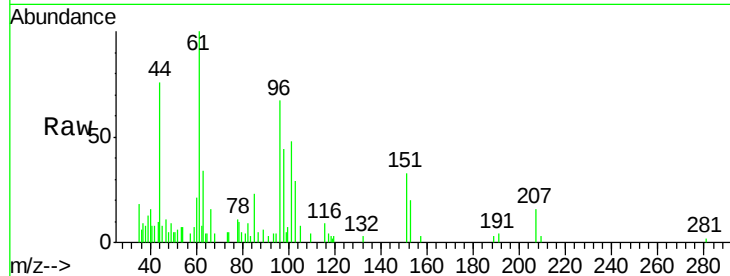
ClientSampleId :

MDL-WATER-03-QT3-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 1936  |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 52.4  | 33.7  | 50.5# |
| 151       | 92.3  | 66.4  | 99.6  |

Manual Integrations  
APPROVED

MMDadoda  
7/15/2020 11:43:11 AM



#10

Methyl Iodide

Concen: 0.585 ug/l

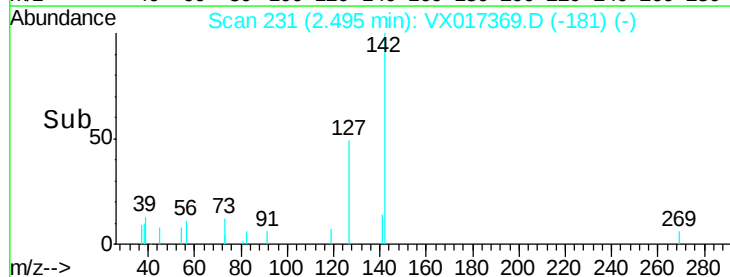
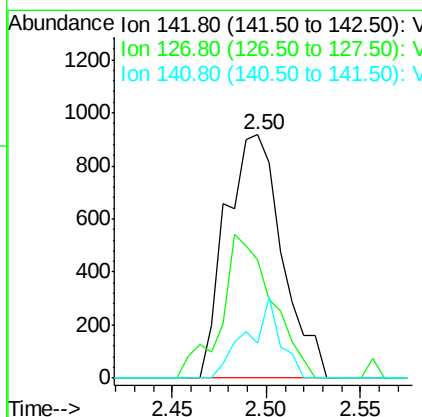
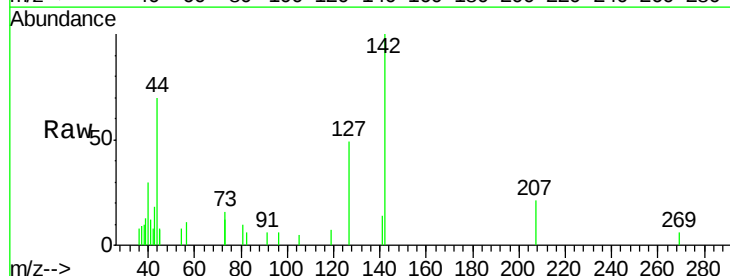
RT: 2.50 min Scan# 231

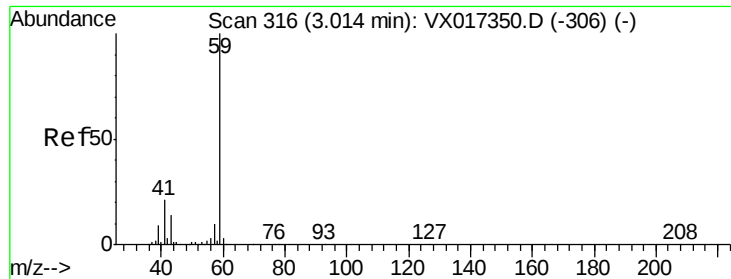
Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 1906  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 52.6  | 36.8  | 55.2  |
| 141       | 19.4  | 11.4  | 17.0# |





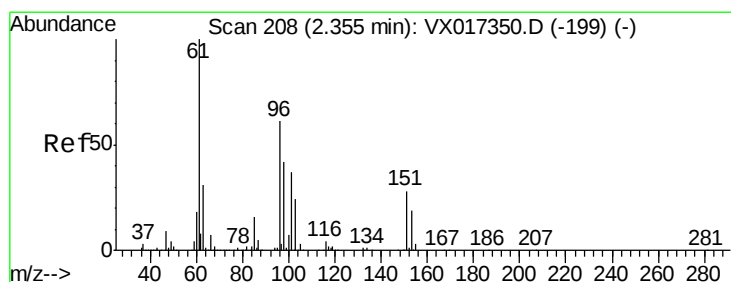
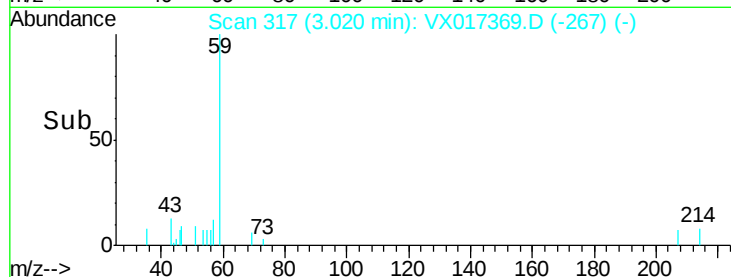
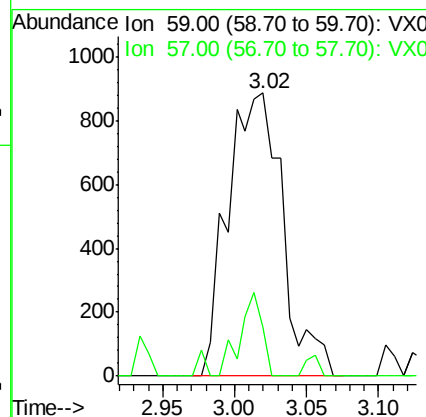
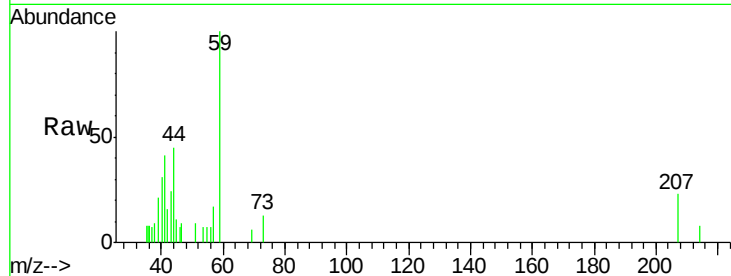
#11  
Tert butyl alcohol  
Concen: 3.750 ug/l  
RT: 3.02 min Scan# 317  
Delta R.T. 0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

Tot Ion: 59 Resp: 2349  
Ion Ratio Lower Upper  
59 100  
57 11.9 8.3 12.5

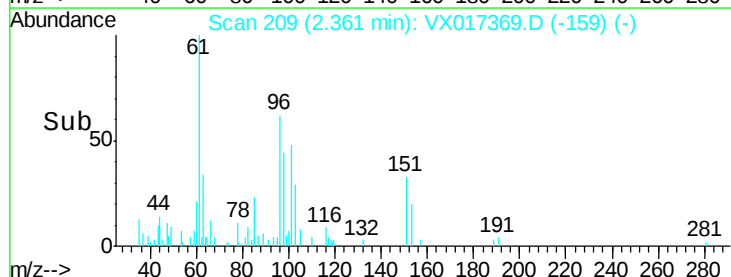
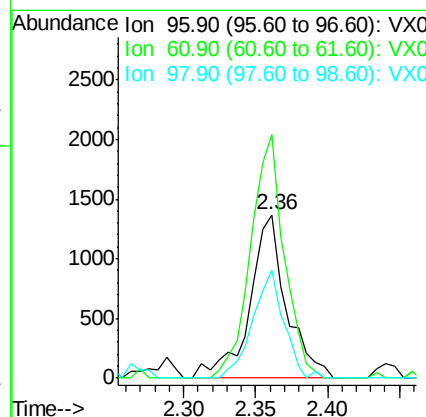
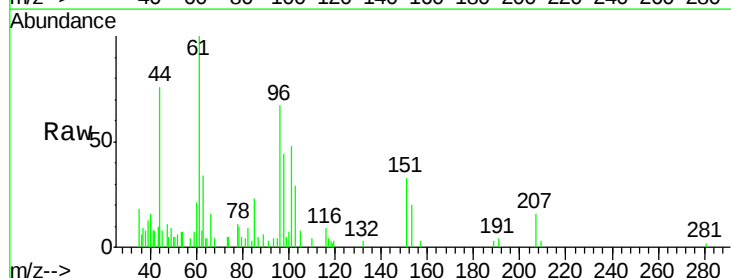
Manual Integrations  
APPROVED

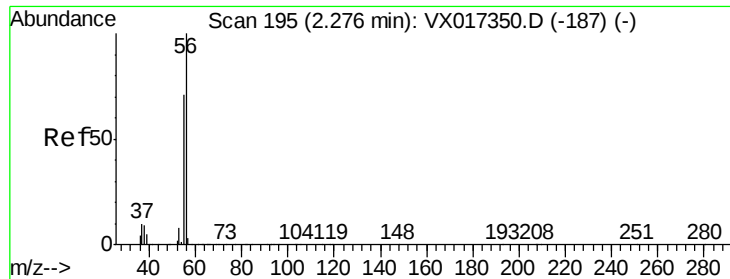
MMDadoda  
7/15/2020 11:43:11 AM



#12  
1,1-Dichloroethene  
Concen: 0.897 ug/l  
RT: 2.36 min Scan# 209  
Delta R.T. 0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Tgt Ion: 96 Resp: 2417  
Ion Ratio Lower Upper  
96 100  
61 149.1 131.5 197.3  
98 66.3 55.1 82.7





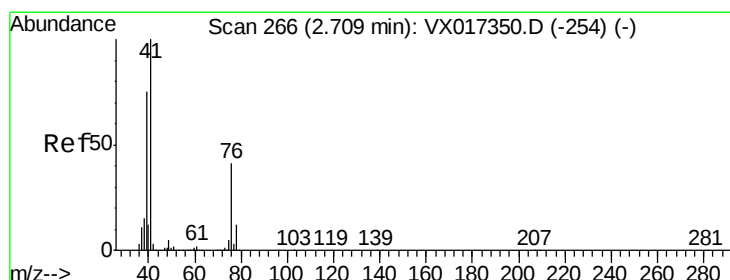
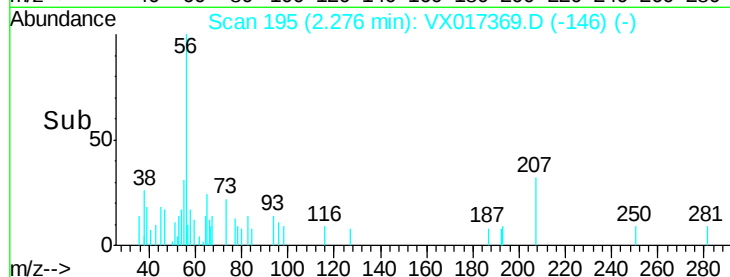
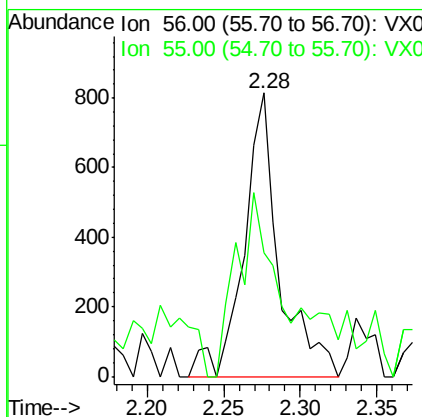
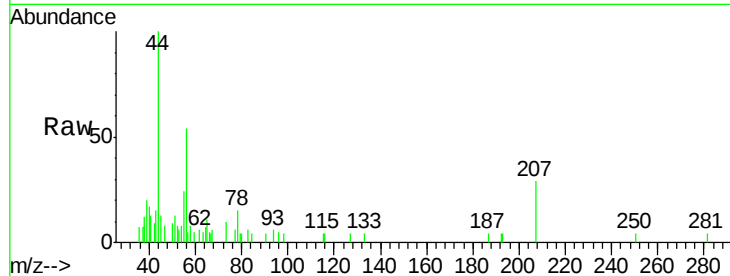
#13  
Acrolein  
Concen: 3.768 ug/l  
RT: 2.28 min Scan# 195  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 68.2  | 57.1  | 85.7  |

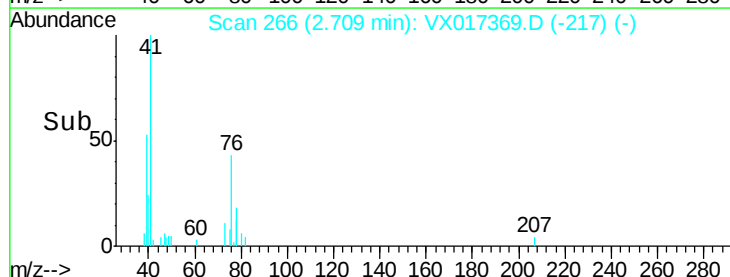
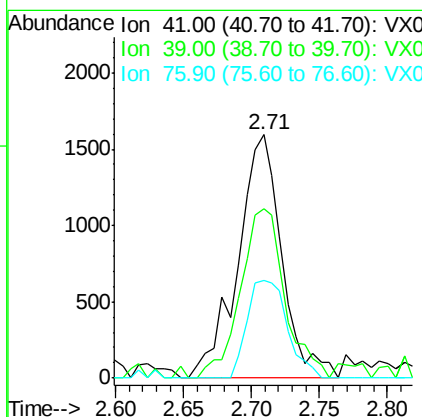
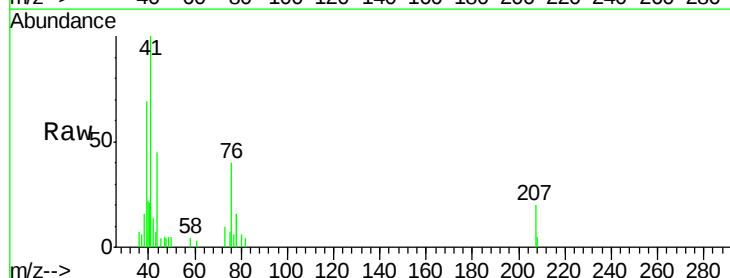
Manual Integrations  
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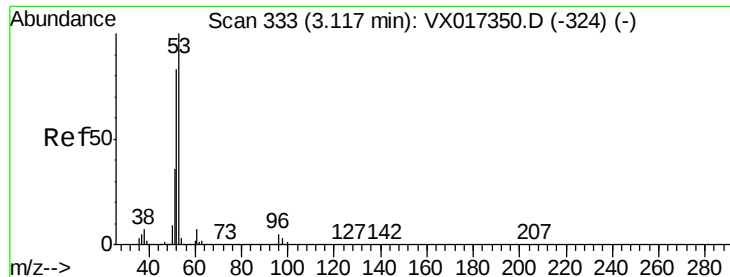
MMDadoda  
7/15/2020 11:43:11 AM



#14  
Allyl chloride  
Concen: 0.774 ug/l  
RT: 2.71 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 69.9  | 53.0  | 79.4  |
| 76      | 36.7  | 28.2  | 42.2  |





#15

Acrylonitrile

Concen: 3.932 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

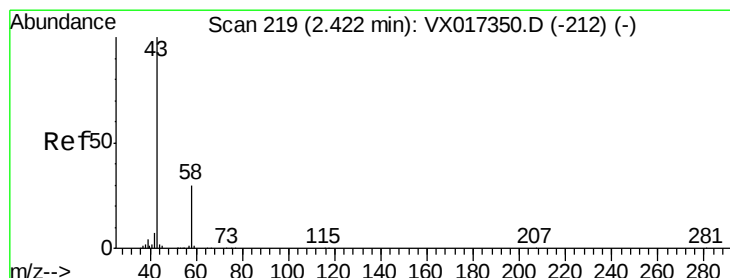
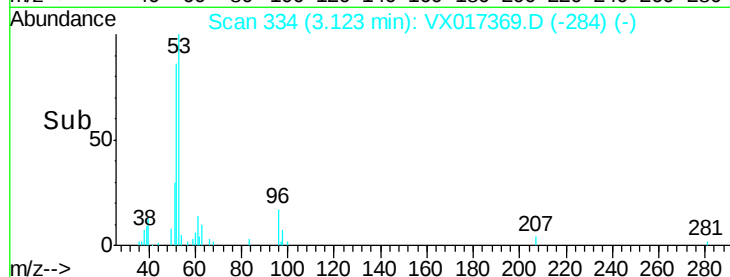
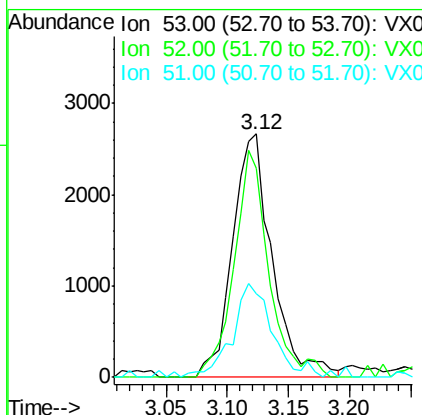
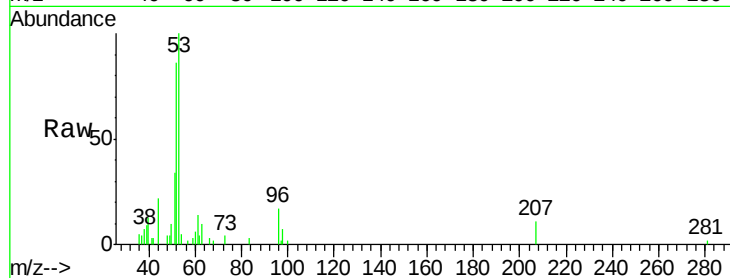
ClientSampleId :

MDL-WATER-03-QT3-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 5971  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.3  | 65.8  | 98.6  |
| 51       | 37.8  | 29.2  | 43.8  |

Manual Integrations  
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7/15/2020 11:43:11 AM



#16

Acetone

Concen: 4.004 ug/l

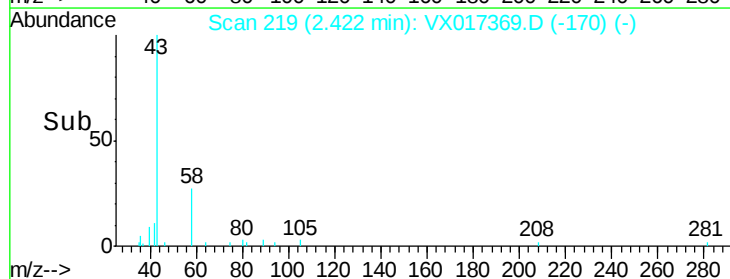
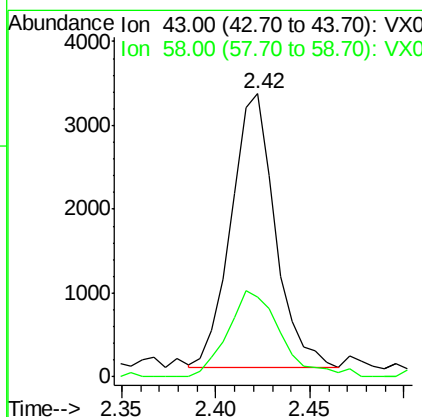
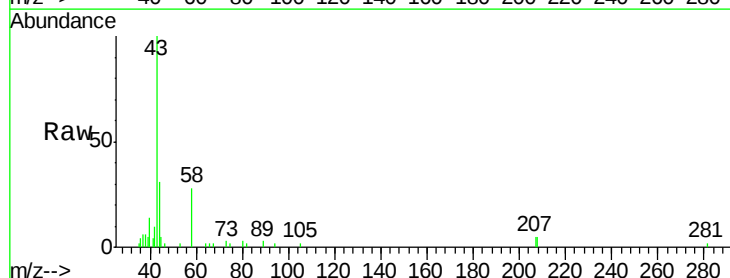
RT: 2.42 min Scan# 219

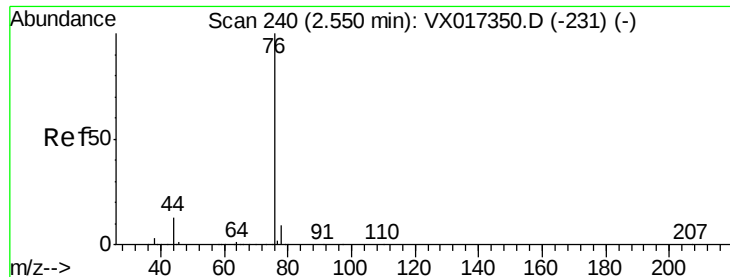
Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5311  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 29.2  | 24.2  | 36.2  |





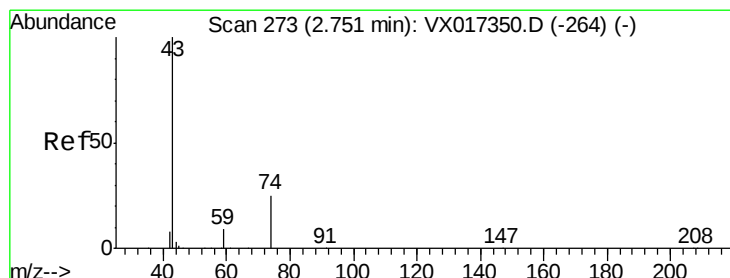
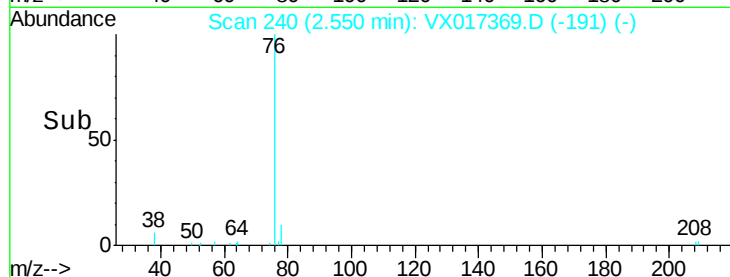
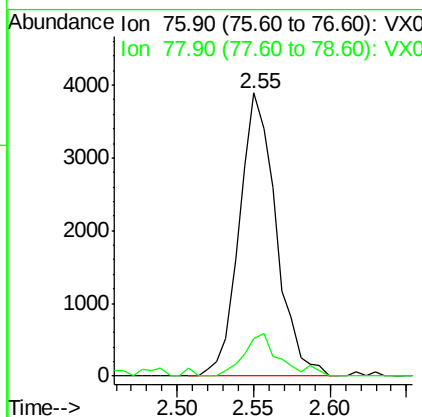
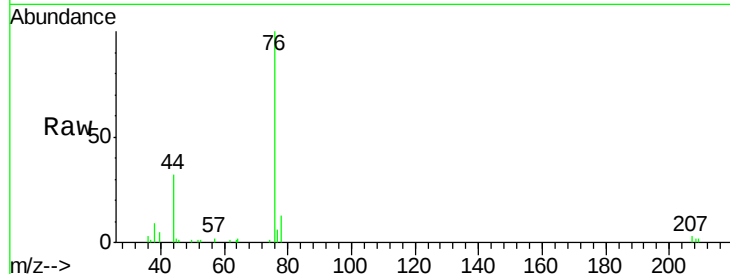
#17  
Carbon Disulfide  
Concen: 0.825 ug/l  
RT: 2.55 min Scan# 240  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 13.4  | 7.3   | 10.9# |

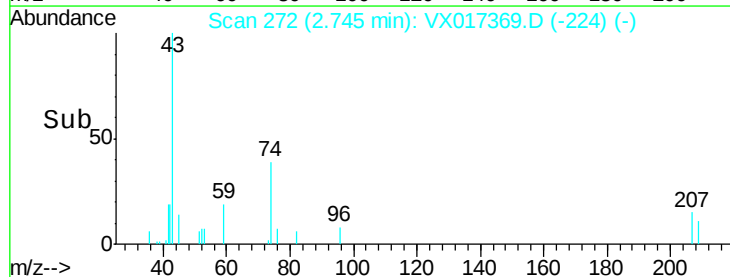
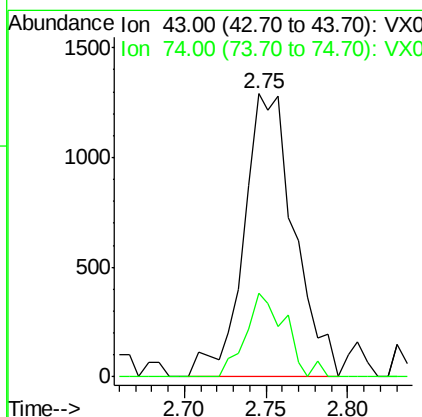
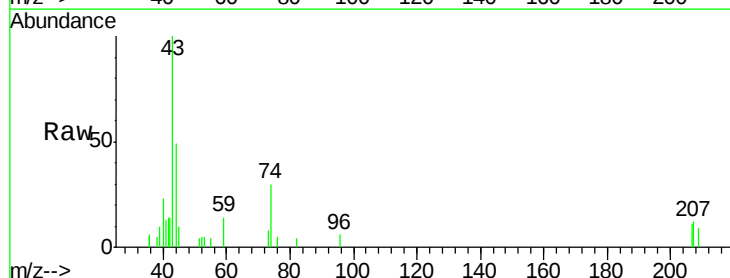
Manual Integrations  
APPROVED

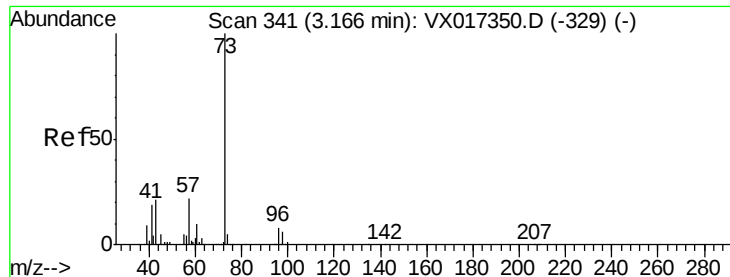
MMDadoda  
7/15/2020 11:43:11 AM



#18  
Methyl Acetate  
Concen: 0.850 ug/l  
RT: 2.75 min Scan# 272  
Delta R.T. -0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.3  | 19.4  | 29.2  |





#19

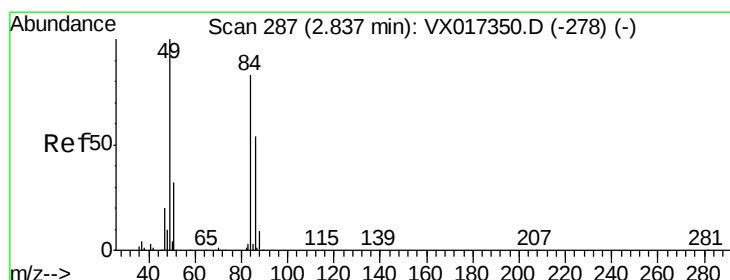
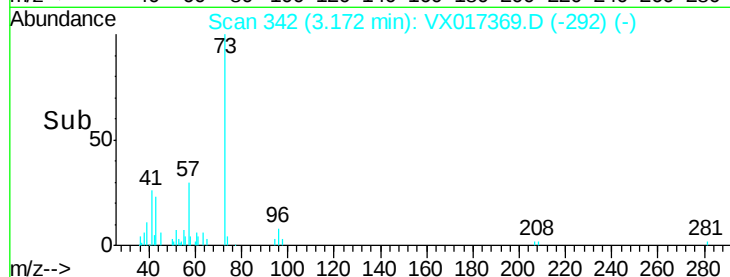
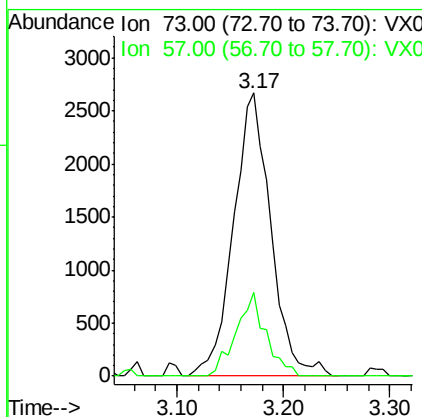
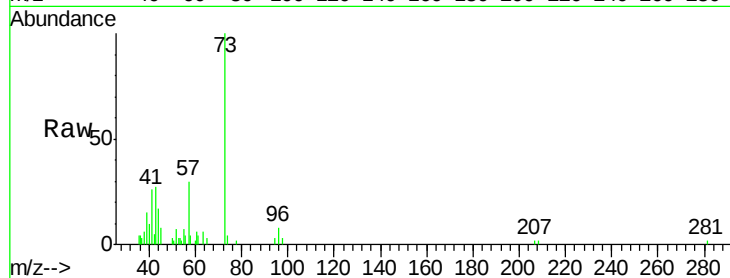
Methyl tert-butyl Ether  
 Concen: 0.718 ug/l  
 RT: 3.17 min Scan# 342  
 Delta R.T. 0.01 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2020

Tot Ion: 73 Resp: 6576  
 Ion Ratio Lower Upper  
 73 100  
 57 29.6 17.5 26.3#

Manual Integrations  
 APPROVED

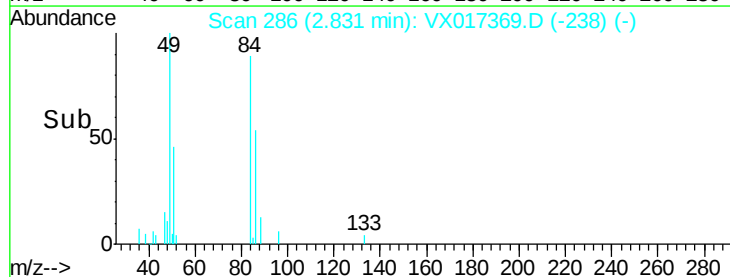
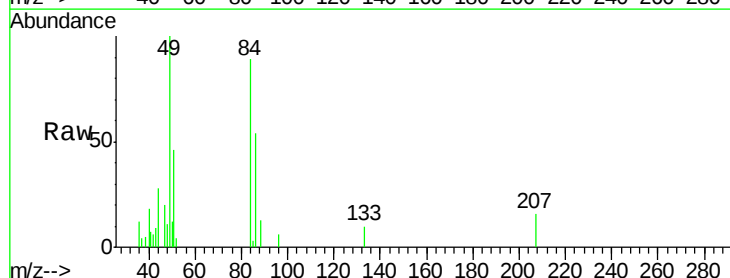
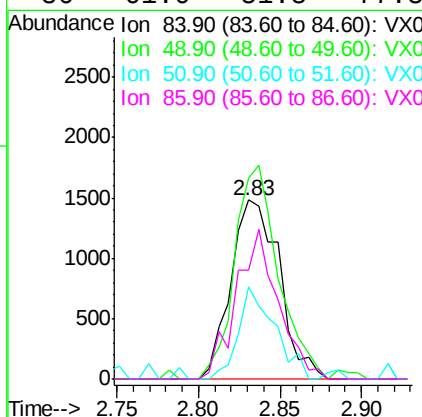
MMDadoda  
 7/15/2020 11:43:11 AM

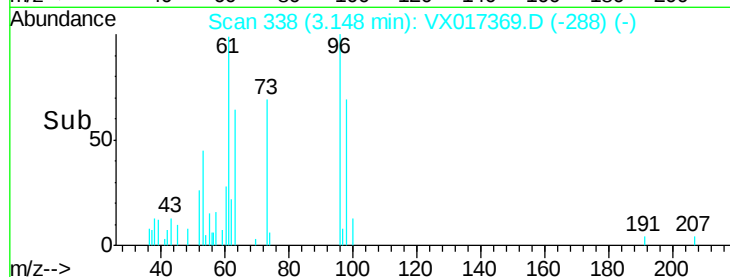
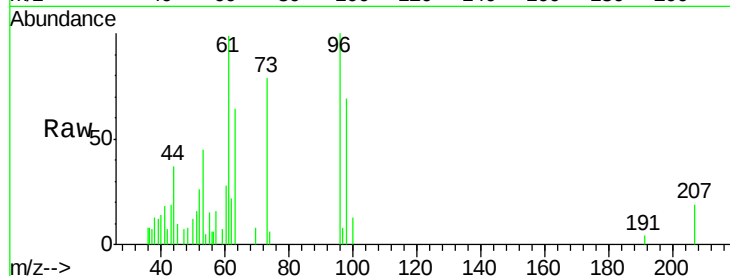
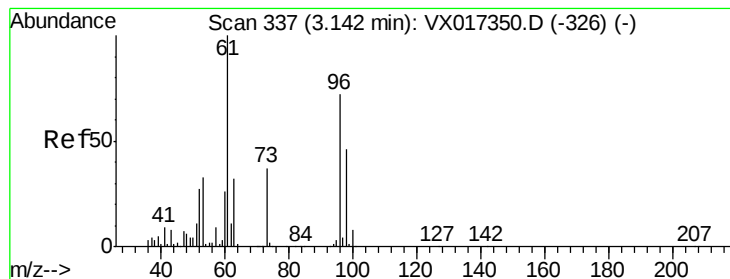


#20

Methylene Chloride  
 Concen: 0.946 ug/l  
 RT: 2.83 min Scan# 286  
 Delta R.T. -0.01 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

Tgt Ion: 84 Resp: 3060  
 Ion Ratio Lower Upper  
 84 100  
 49 112.3 95.8 143.8  
 51 51.5 31.0 46.4#  
 86 61.0 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 0.854 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX017369.D

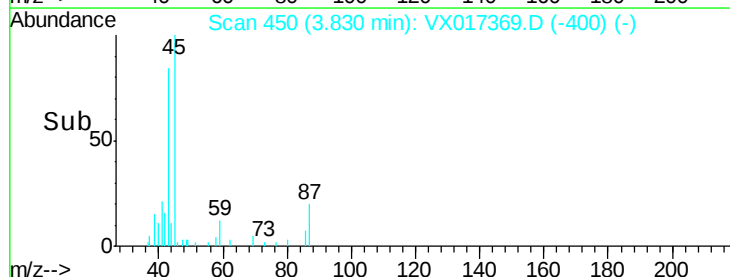
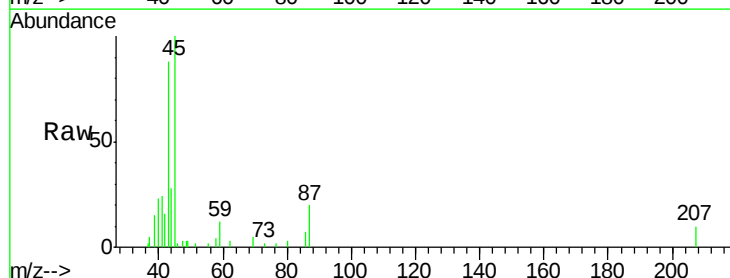
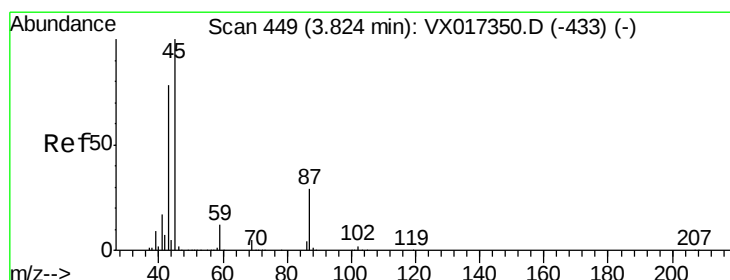
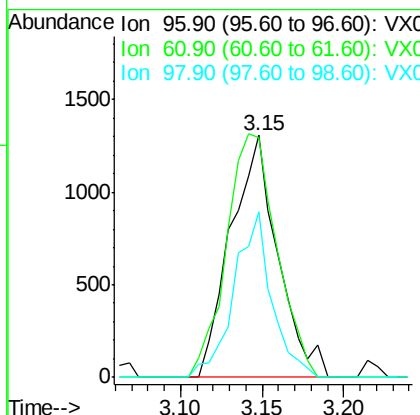
Acq: 14 Jul 2020 11:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 2634   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 99.4  | 111.1 | 166.7# |
| 98       | 68.7  | 51.4  | 77.0   |

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

Manual Integrations  
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MMDadoda  
7/15/2020 11:43:11 AM



#22

Diisopropyl ether

Concen: 0.670 ug/l

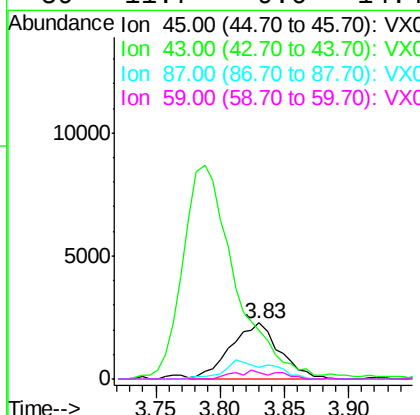
RT: 3.83 min Scan# 450

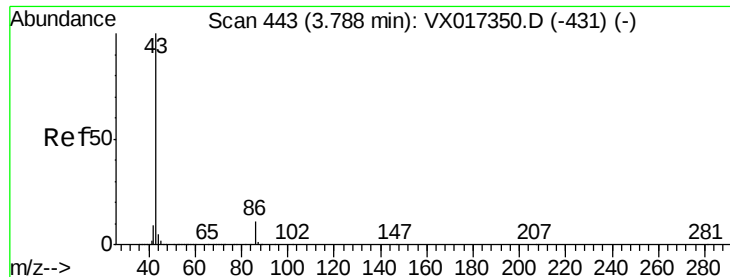
Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 5961  |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 81.6  | 62.2  | 93.2  |
| 87       | 19.8  | 23.0  | 34.6# |
| 59       | 11.7  | 9.6   | 14.4  |





#23

Vinyl Acetate

Concen: 3.149 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 24641

Ion Ratio Lower Upper

43 100

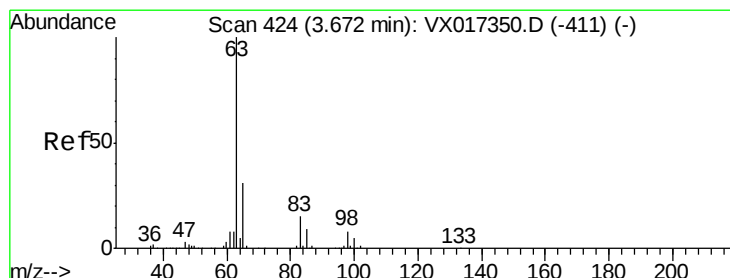
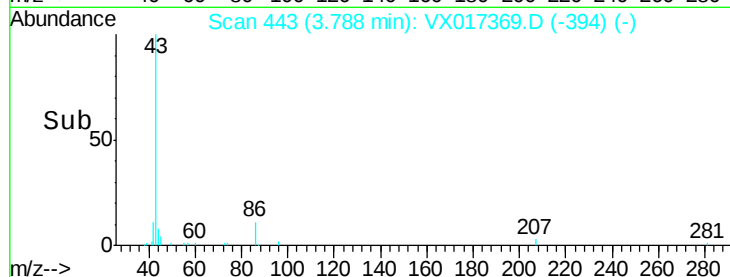
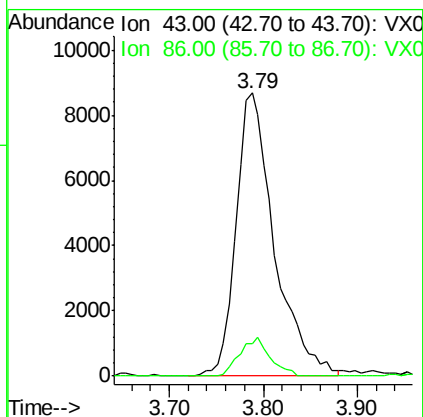
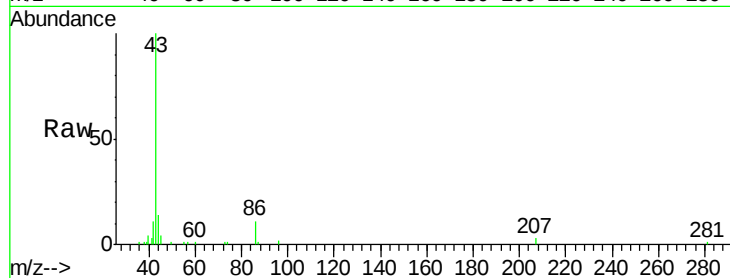
86 11.5 9.0 13.4

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#24

1,1-Dichloroethane

Concen: 0.789 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

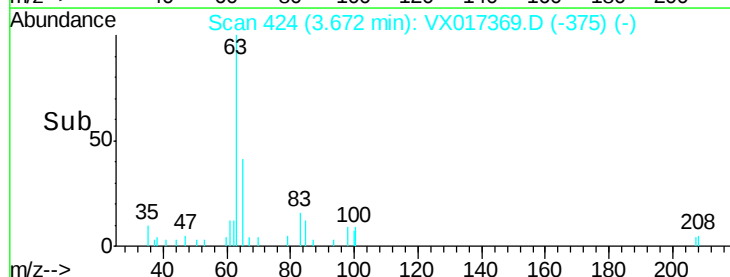
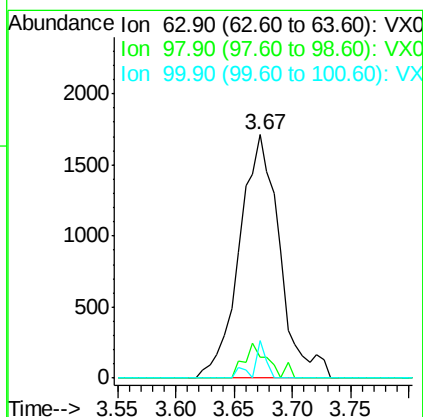
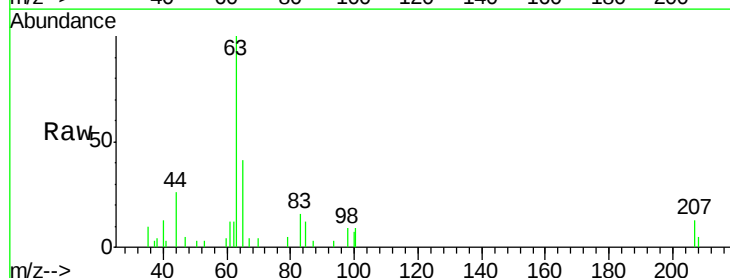
Tgt Ion: 63 Resp: 4124

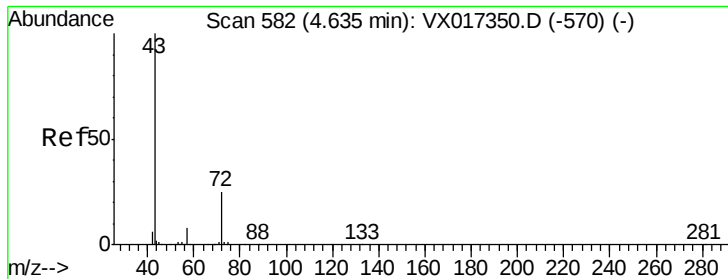
Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.5

100 15.3 2.5 7.5#





#25

2-Butanone

Concen: 3.802 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 8010

Ion Ratio Lower Upper

43 100

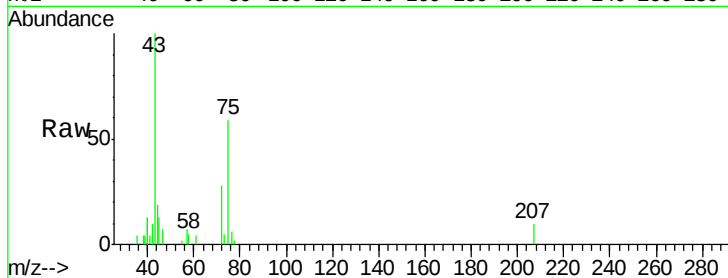
72 28.0 20.4 30.6

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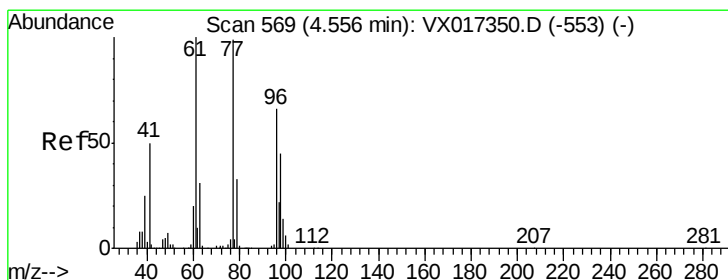
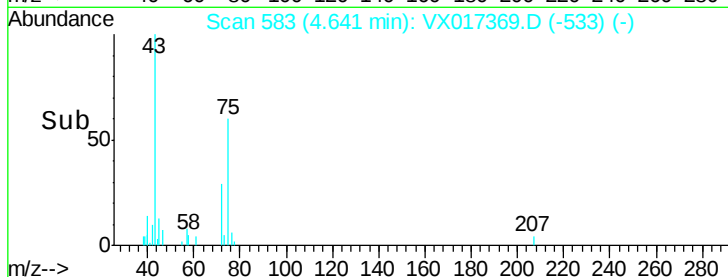
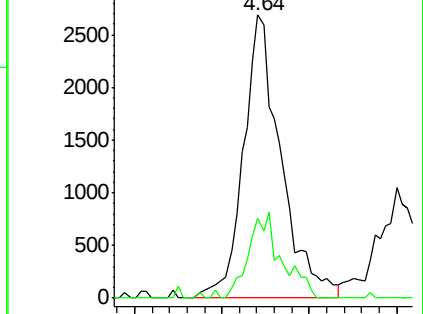
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.793 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017369.D

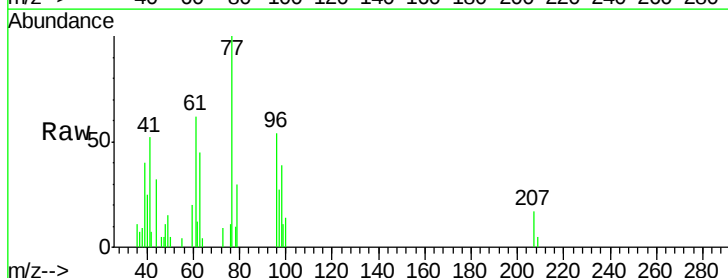
Acq: 14 Jul 2020 11:26

Tgt Ion: 77 Resp: 3861

Ion Ratio Lower Upper

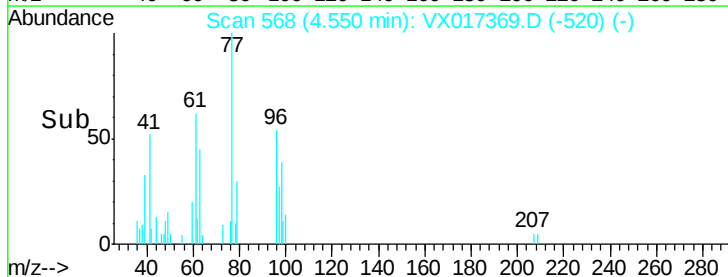
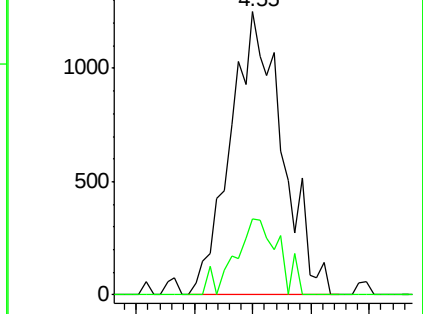
77 100

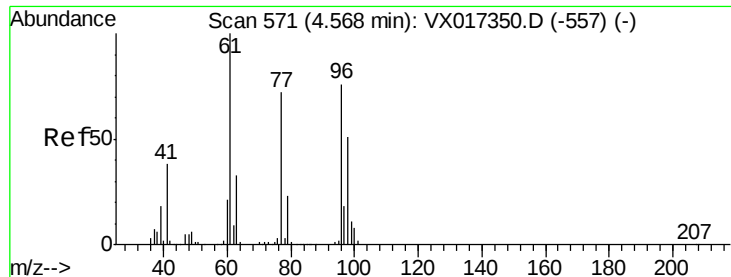
97 22.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

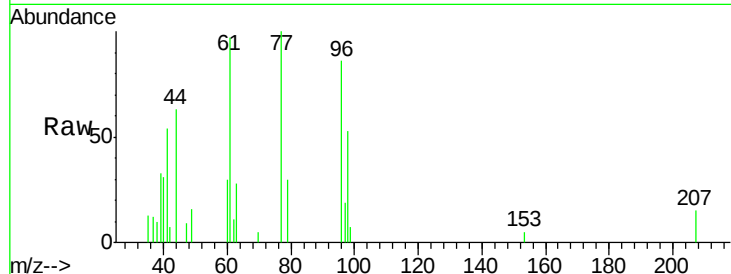
cis-1,2-Dichloroethene  
Concen: 0.801 ug/l  
RT: 4.57 min Scan# 571  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

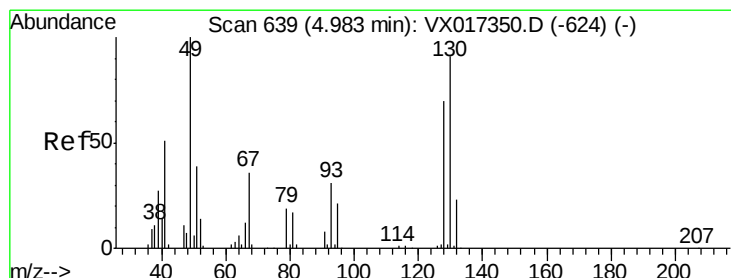
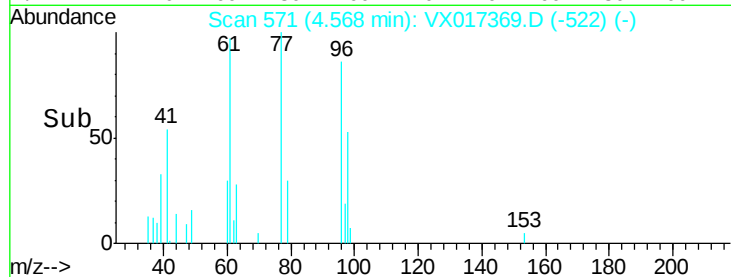
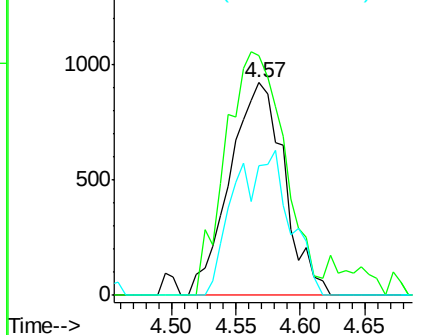
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 123.9 | 0.0   | 281.2 |
| 98      | 28.8  | 0.0   | 131.4 |

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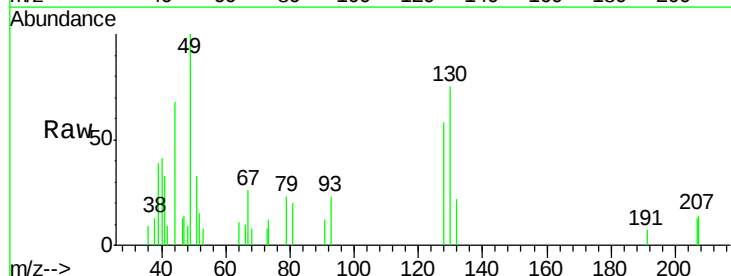
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



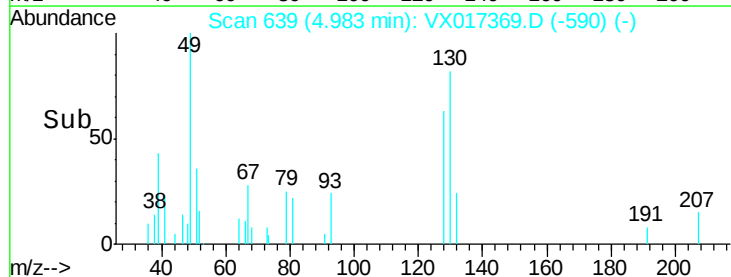
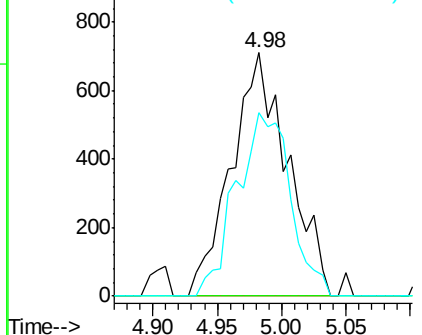
#28

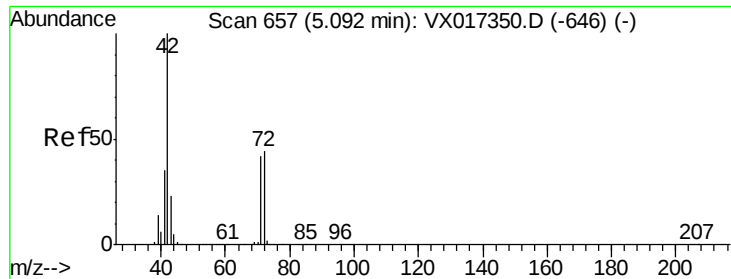
Bromochloromethane  
Concen: 0.895 ug/l  
RT: 4.98 min Scan# 639  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 4.8   |
| 130     | 71.9  | 71.1  | 106.7 |



Abundance Ion 48.90 (48.60 to 49.60): VX0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V





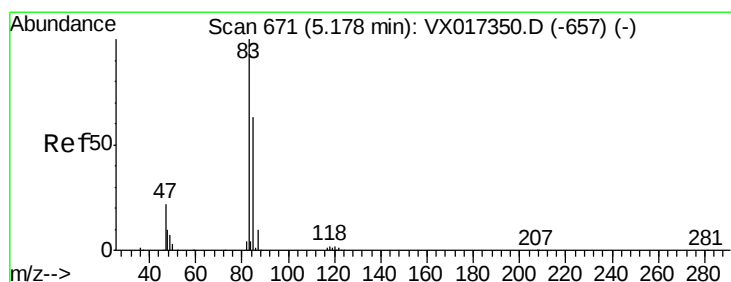
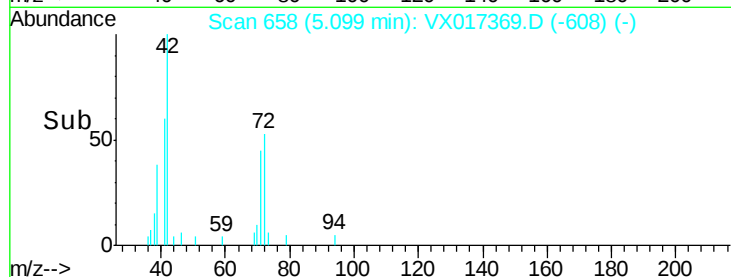
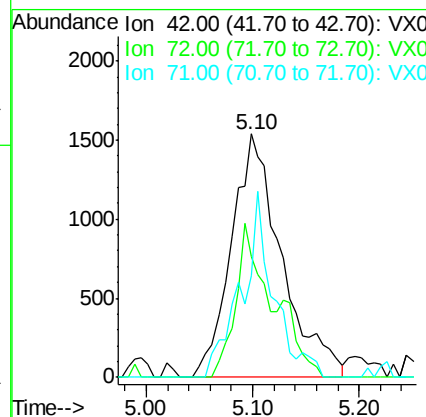
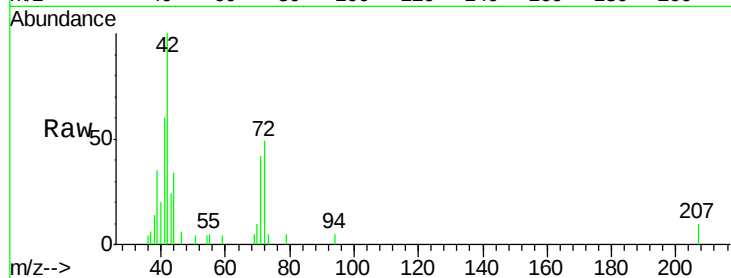
#29  
Tetrahydrofuran  
Concen: 3.721 ug/l  
RT: 5.10 min Scan# 658  
Delta R.T. 0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 36.1  | 37.2  | 55.8# |
| 71      | 46.2  | 34.4  | 51.6  |

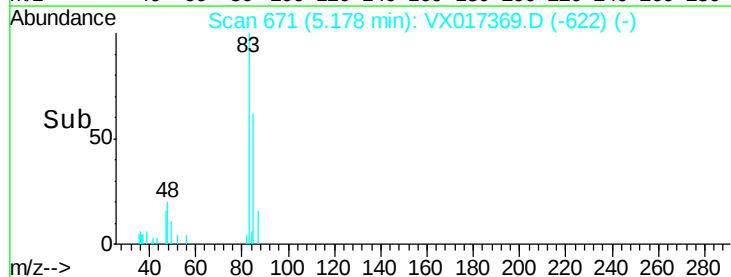
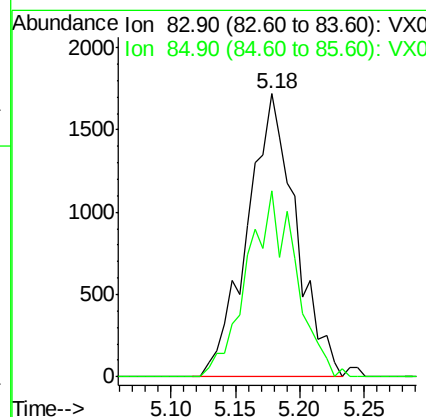
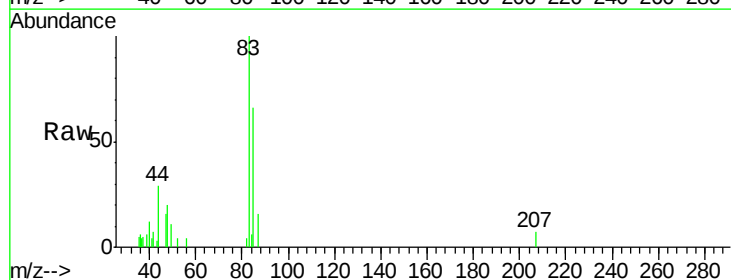
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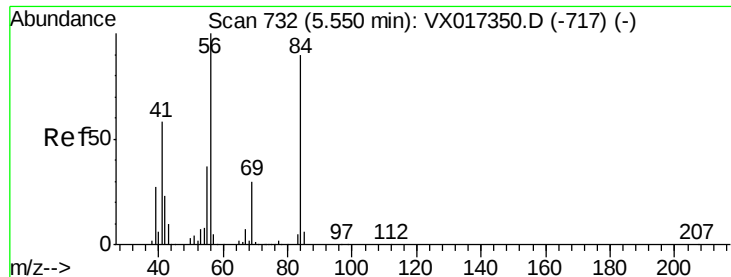
MMDadoda  
7/15/2020 11:43:11 AM



#30  
Chloroform  
Concen: 0.801 ug/l  
RT: 5.18 min Scan# 671  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.8  | 50.2  | 75.4  |





#31

Cyclohexane

Concen: 0.628 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

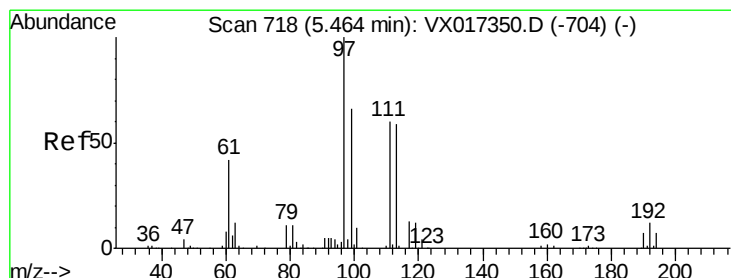
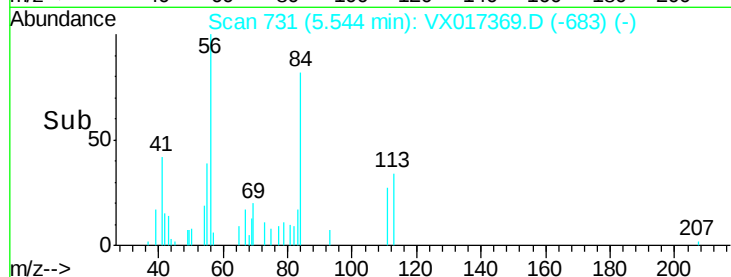
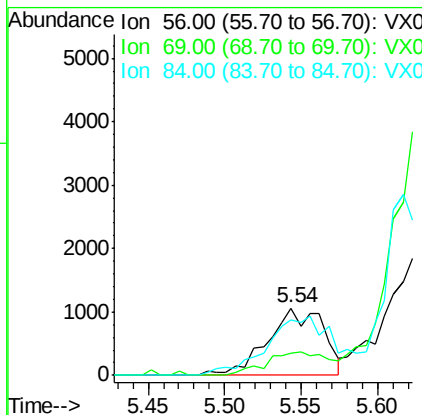
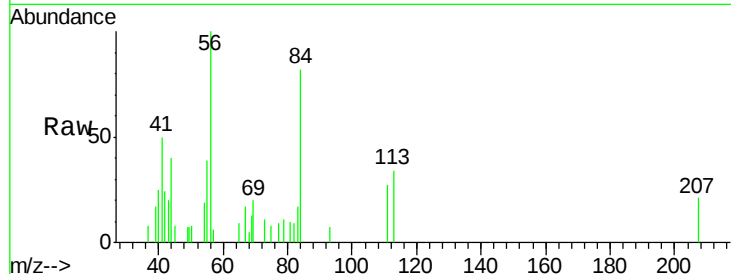
ClientSampleId :

MDL-WATER-03-QT3-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 2687  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 32.4  | 23.7  | 35.5  |
| 84       | 82.1  | 71.8  | 107.6 |

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#32

1,1,1-Trichloroethane

Concen: 0.791 ug/l

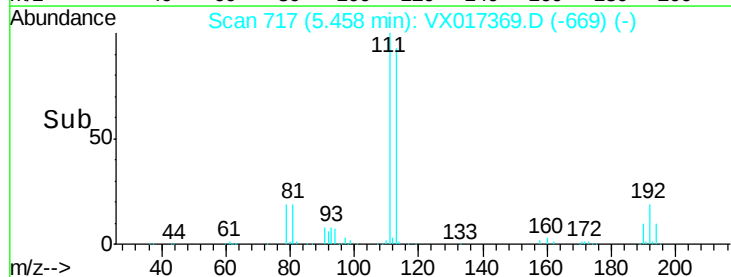
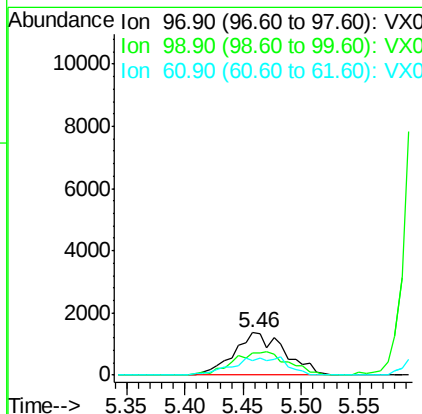
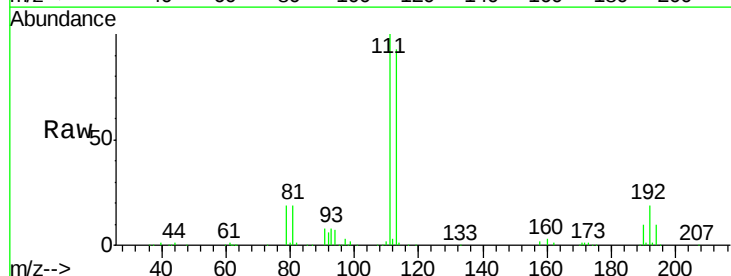
RT: 5.46 min Scan# 717

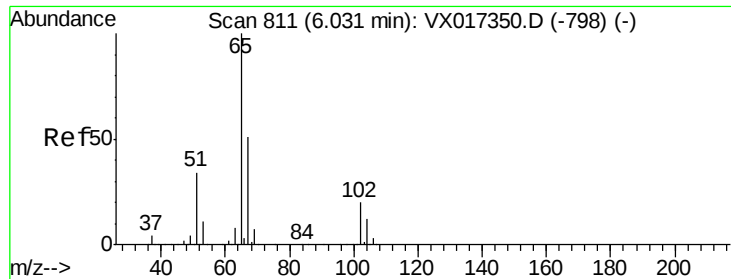
Delta R.T. -0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 4114  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 0.0   | 51.2  | 76.8# |
| 61       | 28.7  | 32.7  | 49.1# |





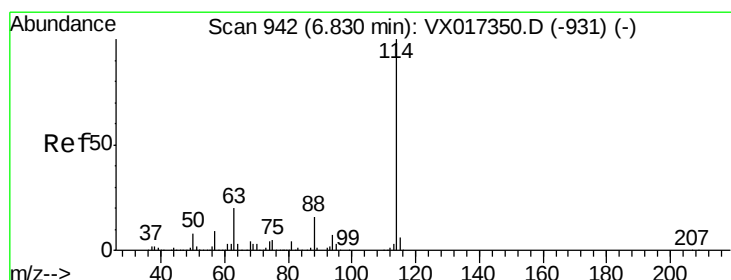
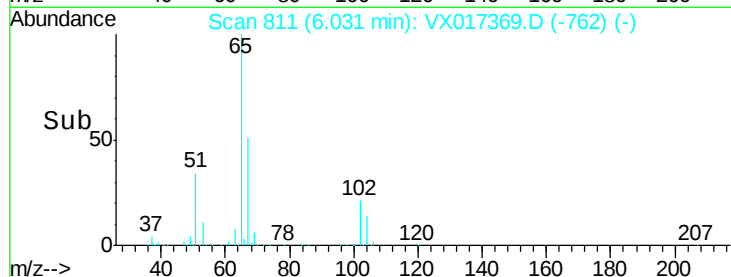
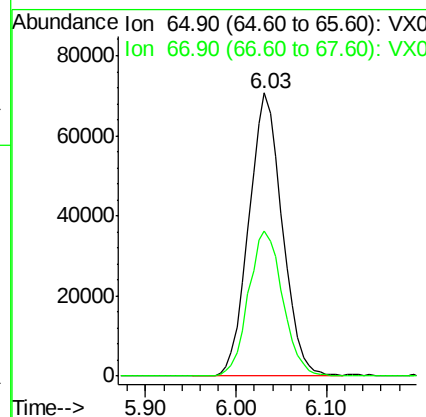
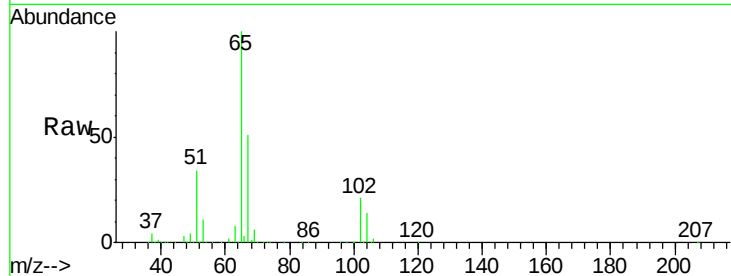
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.572 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 180589 |       |       |
| 67      | 52.4  | 0.0    | 101.6 |       |

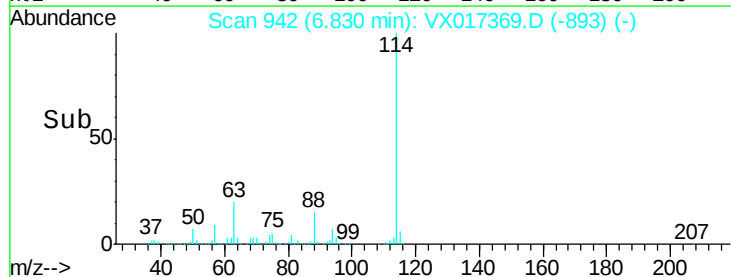
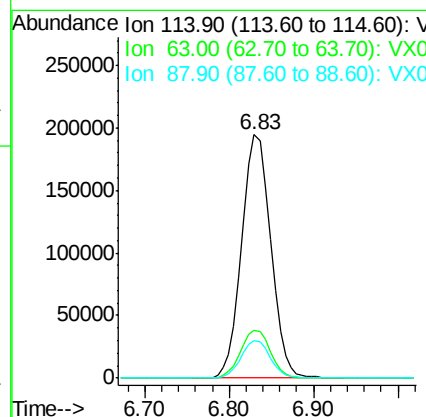
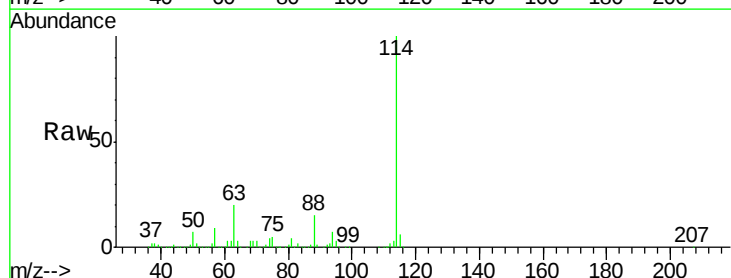
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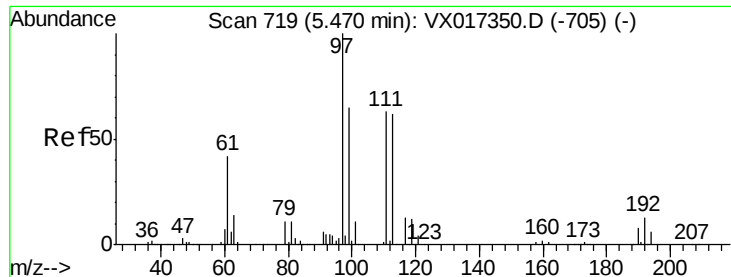
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 454870 |       |       |
| 63      | 19.7  | 0.0    | 40.0  |       |
| 88      | 15.2  | 0.0    | 32.8  |       |





#35

Dibromofluoromethane

Concen: 47.848 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

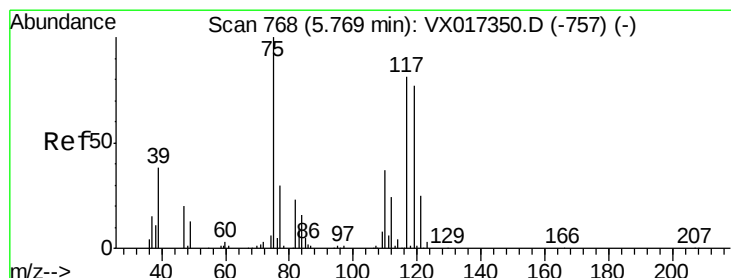
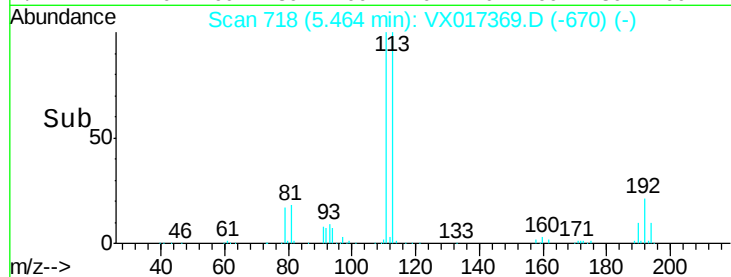
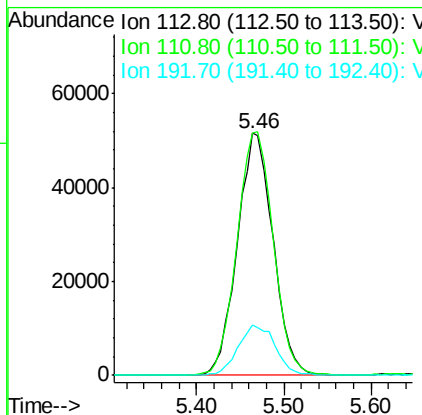
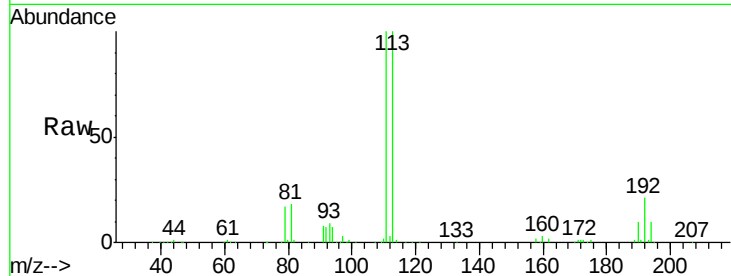
ClientSampleId :

MDL-WATER-03-QT3-2020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 146609 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.4 | 82.4  | 123.6  |
| 192       | 21.5  | 17.2  | 25.8   |

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#36

1,1-Dichloropropene

Concen: 0.818 ug/l

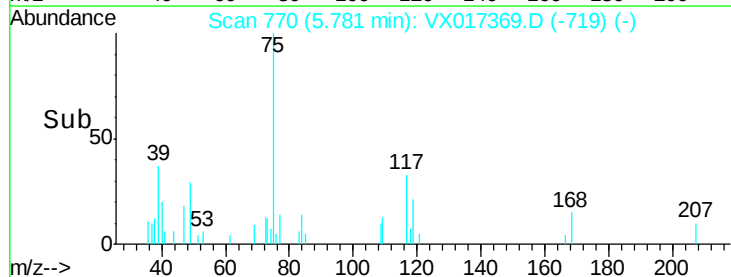
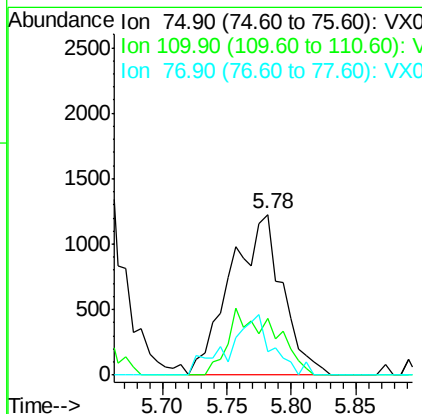
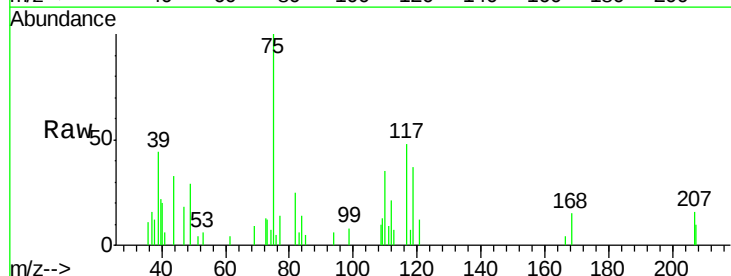
RT: 5.78 min Scan# 770

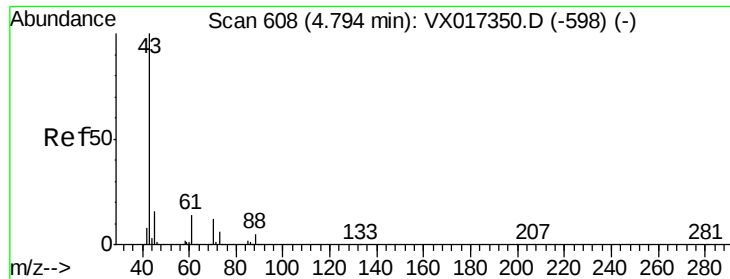
Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 3422  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 0.0   | 18.6  | 55.8# |
| 77        | 31.7  | 24.9  | 37.3  |





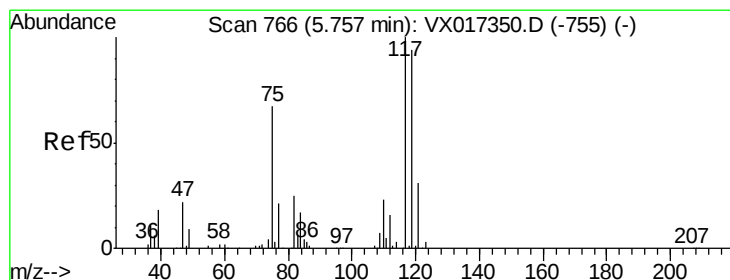
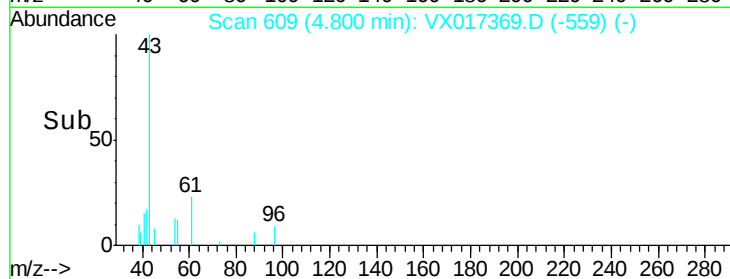
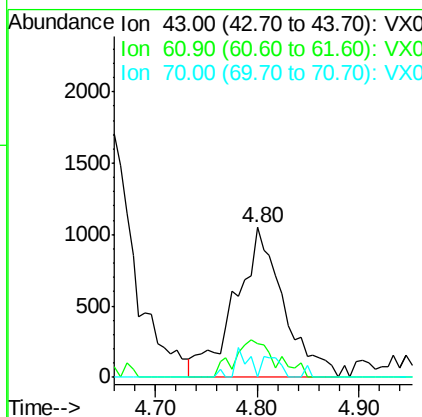
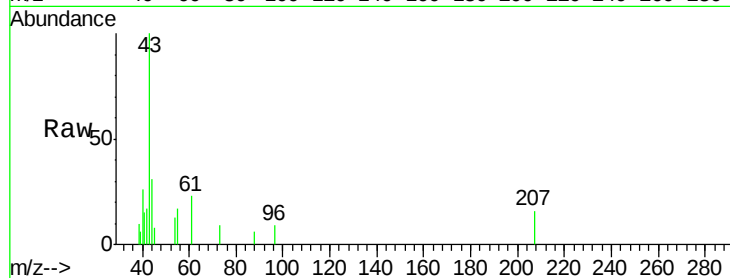
#37  
Ethyl Acetate  
Concen: 0.795 ug/l  
RT: 4.80 min Scan# 609  
Delta R.T. 0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 22.0  | 10.7  | 16.1# |
| 70      | 5.4   | 9.0   | 13.6# |

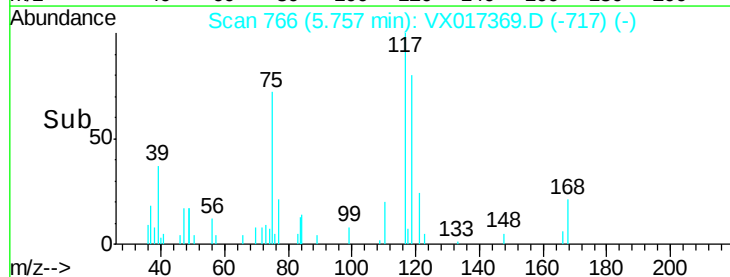
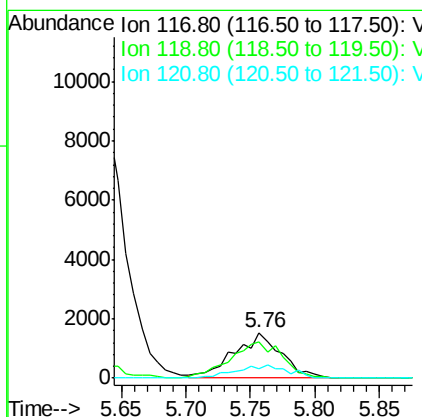
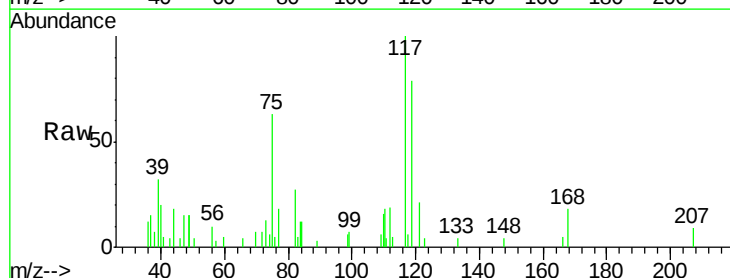
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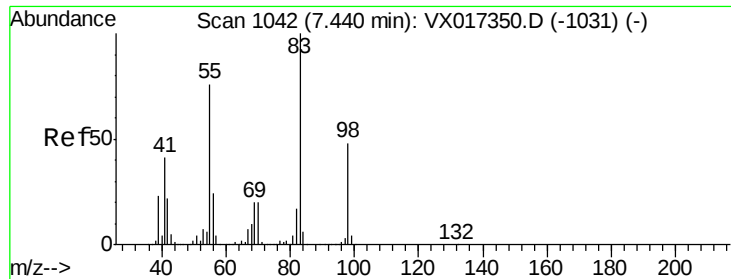
MMDadoda  
7/15/2020 11:43:11 AM



#38  
Carbon Tetrachloride  
Concen: 0.796 ug/l  
RT: 5.76 min Scan# 766  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 78.8  | 74.7  | 112.1 |
| 121     | 21.5  | 24.5  | 36.7# |





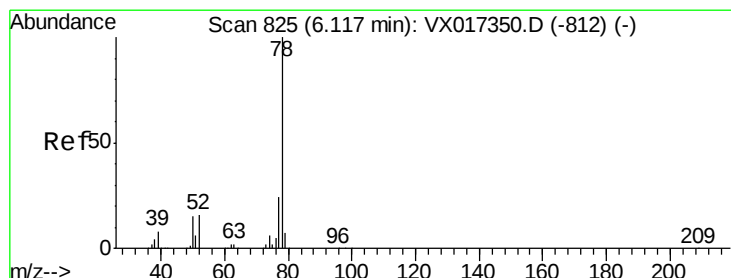
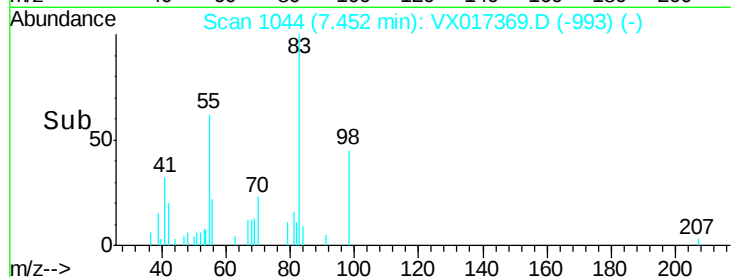
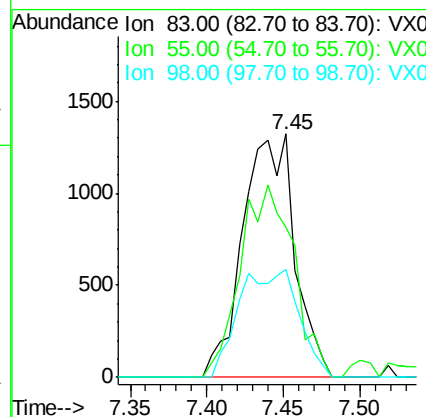
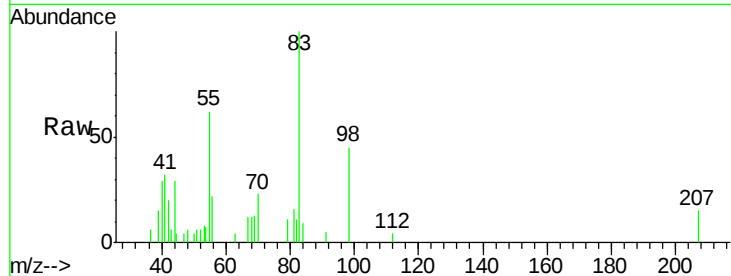
#39  
Methvlcvclohexane  
Concen: 0.685 ug/l  
RT: 7.45 min Scan# 1044  
Delta R.T. 0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 61.8  | 61.2  | 91.8  |
| 98      | 44.5  | 38.1  | 57.1  |

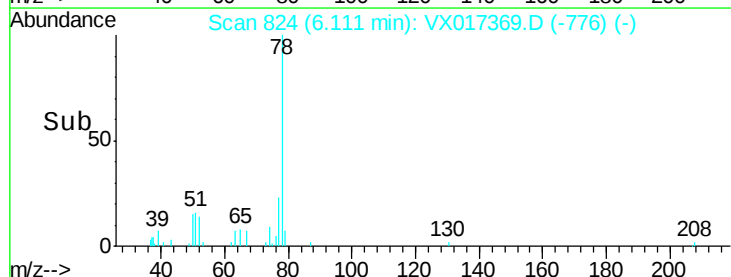
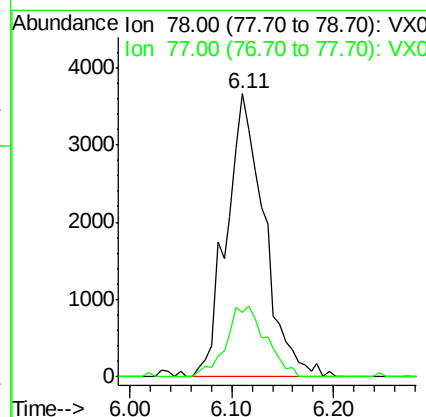
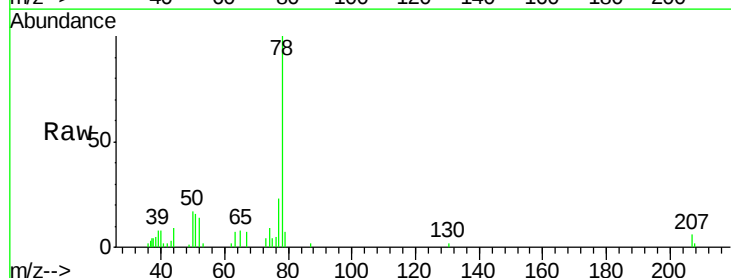
Manual Integrations  
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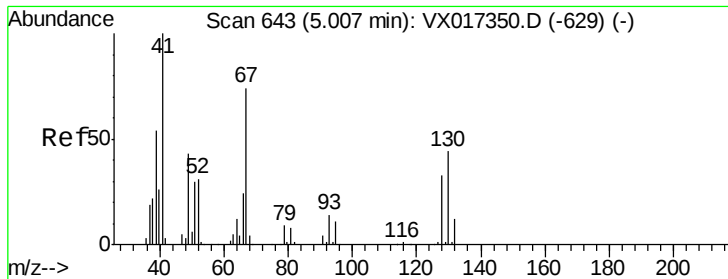
MMDadoda  
7/15/2020 11:43:11 AM



#40  
Benzene  
Concen: 0.781 ug/l  
RT: 6.11 min Scan# 824  
Delta R.T. -0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.0  | 18.9  | 28.3  |





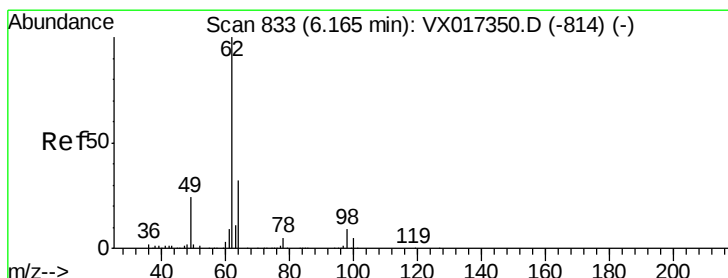
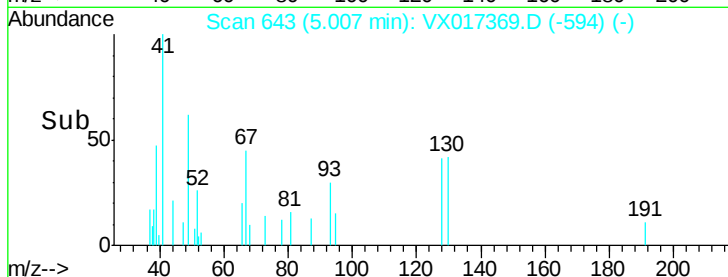
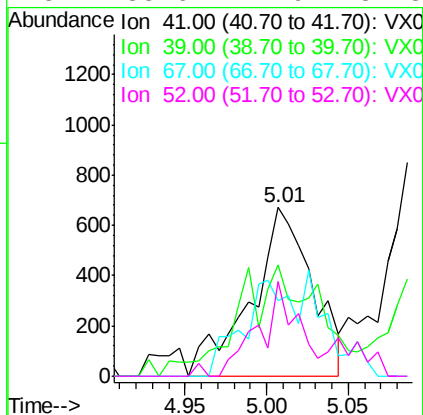
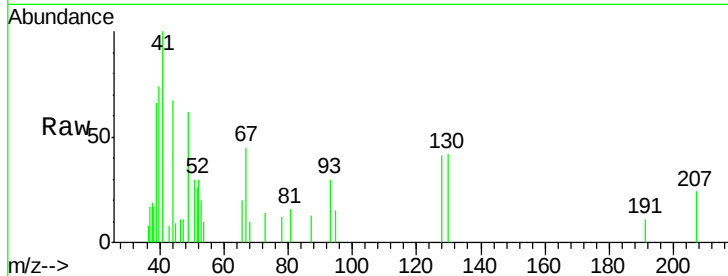
#41  
Methacrylonitrile  
Concen: 0.749 ug/l  
RT: 5.01 min Scan# 643  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 12.9  | 43.8  | 65.8# |
| 67      | 46.6  | 58.7  | 88.1# |
| 52      | 35.6  | 24.9  | 37.3  |

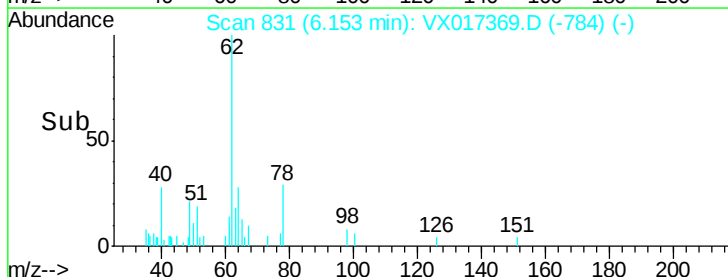
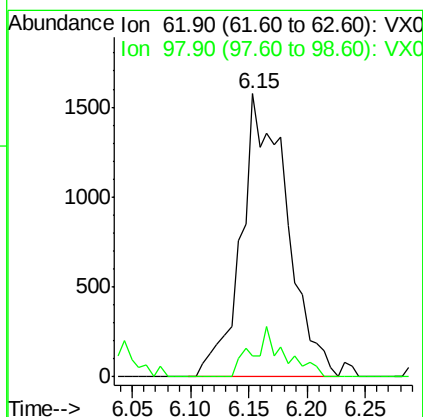
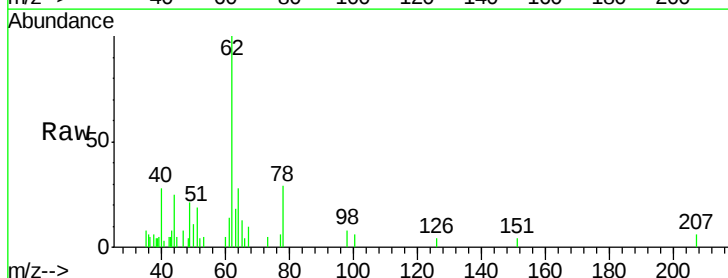
Manual Integrations  
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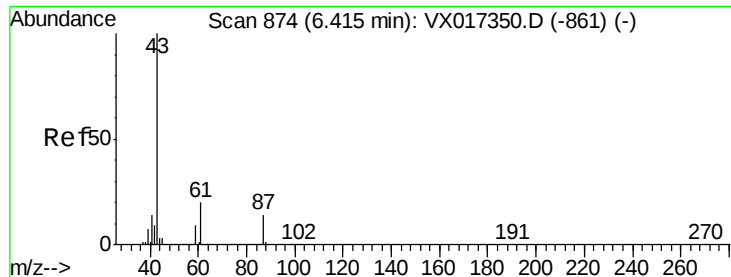
MMDadoda  
7/15/2020 11:43:11 AM



#42  
1,2-Dichloroethane  
Concen: 0.920 ug/l  
RT: 6.15 min Scan# 831  
Delta R.T. -0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 12.5  | 0.0   | 19.4  |





#43

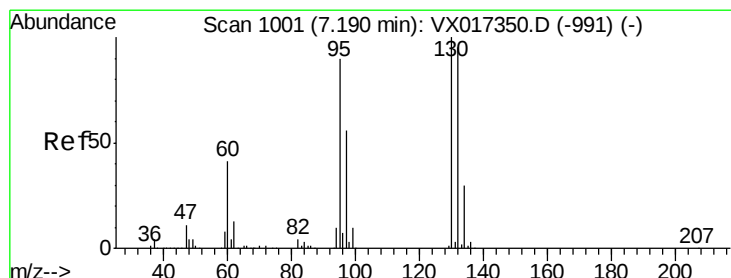
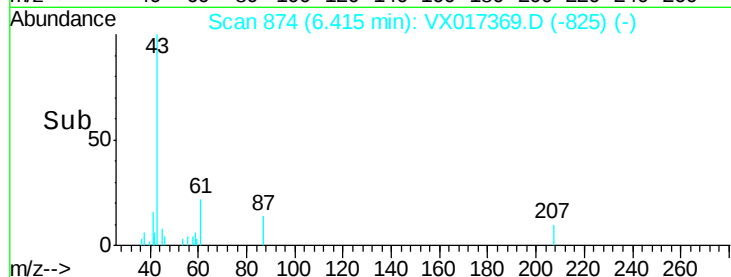
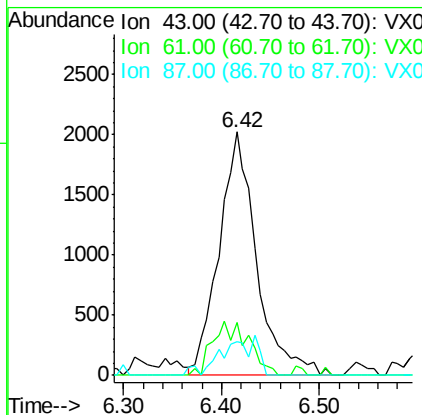
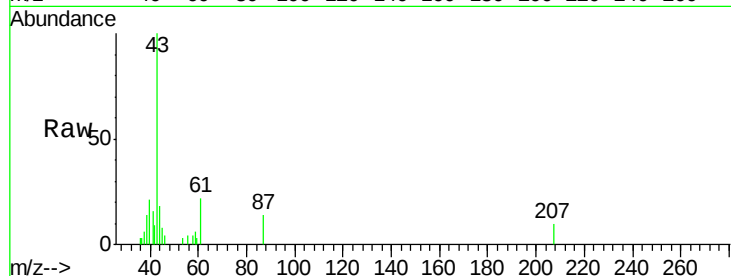
Isopropyl Acetate  
 Concen: 0.777 ug/l  
 RT: 6.42 min Scan# 874  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.2  | 16.4  | 24.6  |
| 87      | 10.2  | 11.2  | 16.8  |

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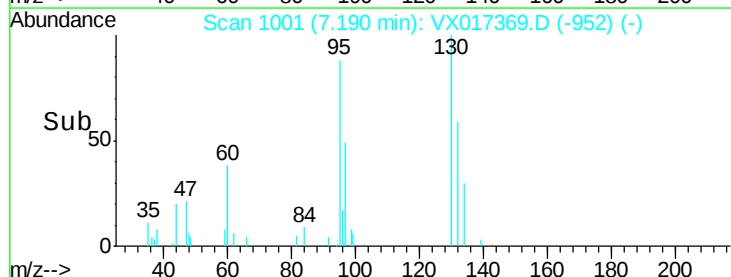
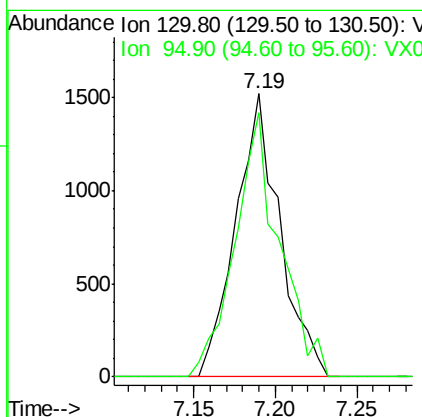
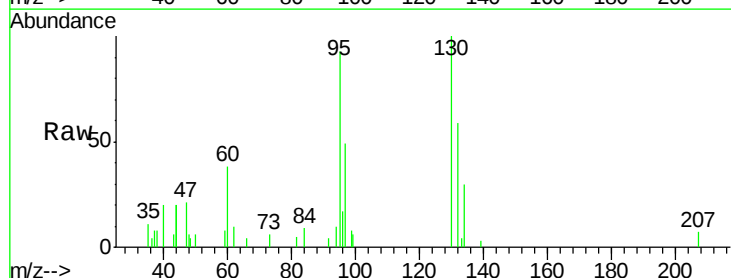
MMDadoda  
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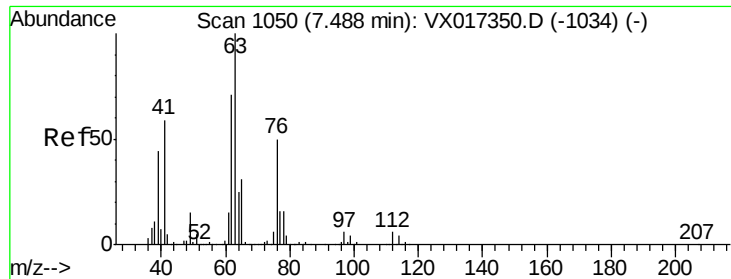


#44

Trichloroethene  
 Concen: 0.778 ug/l  
 RT: 7.19 min Scan# 1001  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 93.4  | 0.0   | 180.2 |





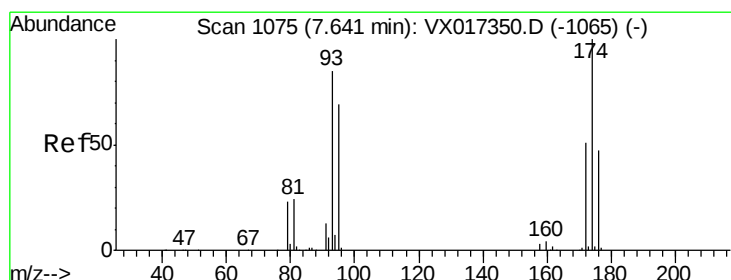
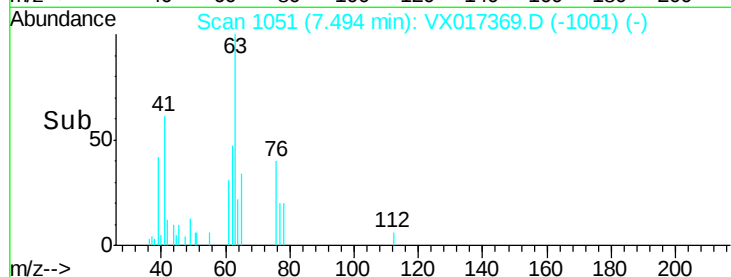
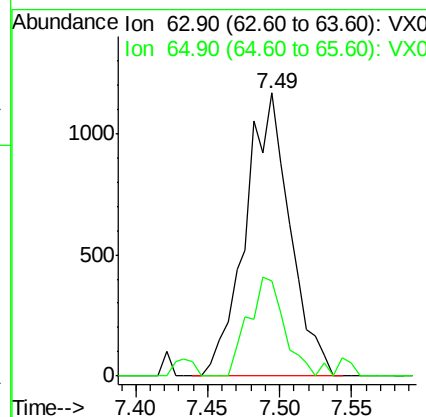
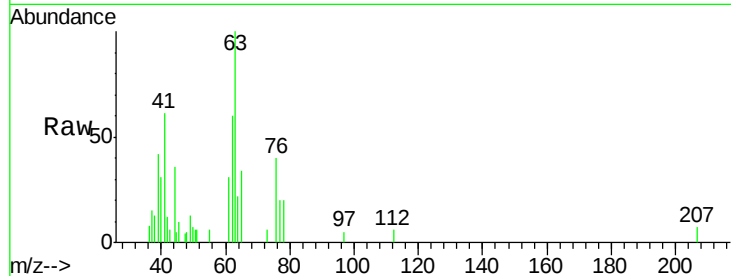
#45  
 1,2-Dichloropropane  
 Concen: 0.816 ug/l  
 RT: 7.49 min Scan# 1051  
 Delta R.T. 0.01 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 28.6  | 24.5  | 36.7  |

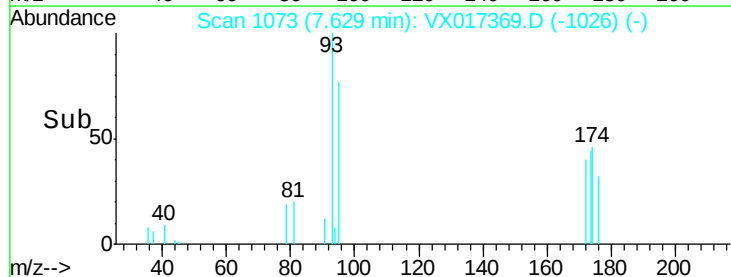
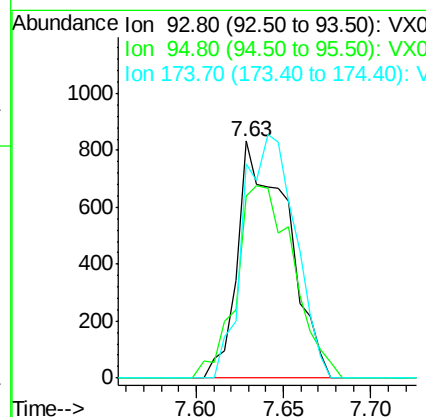
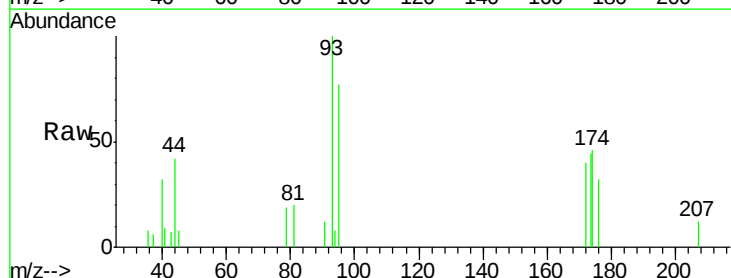
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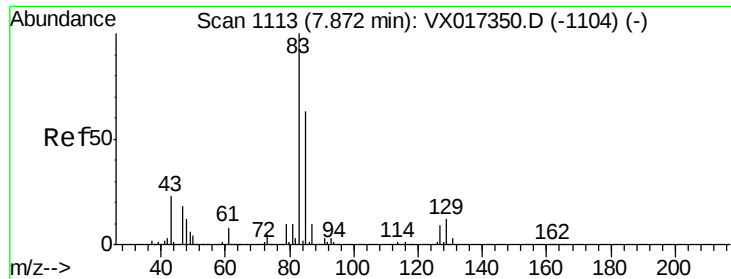
MMDadoda  
 7/15/2020 11:43:11 AM



#46  
 Dibromomethane  
 Concen: 0.750 ug/l  
 RT: 7.63 min Scan# 1073  
 Delta R.T. -0.01 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 91.8  | 65.4  | 98.2  |
| 174     | 106.4 | 91.2  | 136.8 |





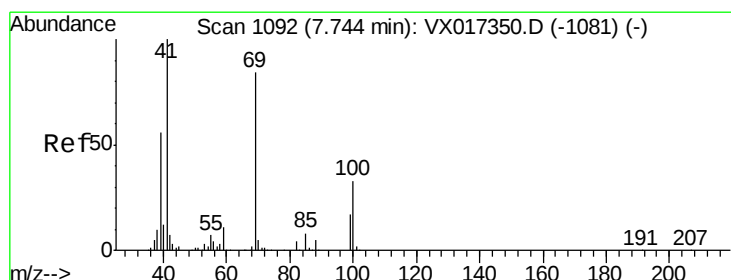
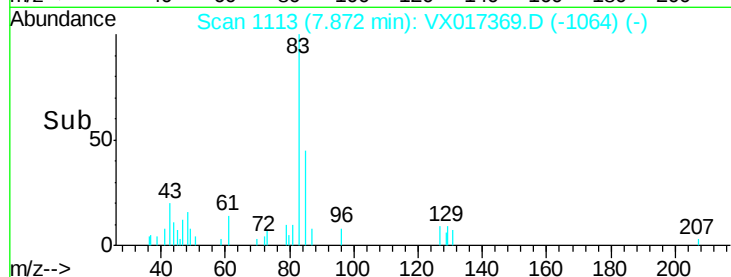
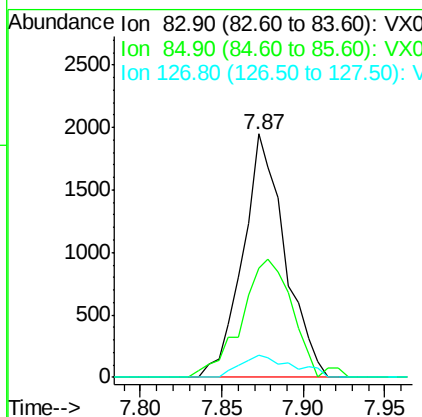
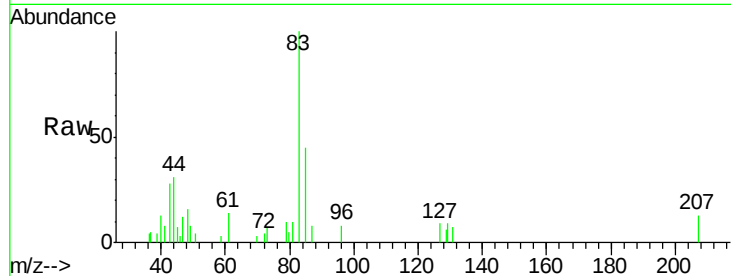
#47  
Bromodichloromethane  
Concen: 0.754 ug/l  
RT: 7.87 min Scan# 1113  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 44.7  | 50.2  | 75.4# |
| 127     | 9.1   | 7.1   | 10.7  |

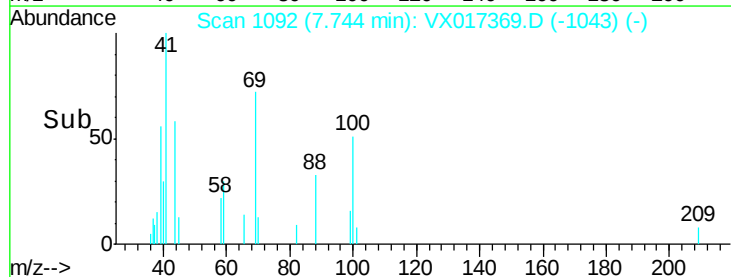
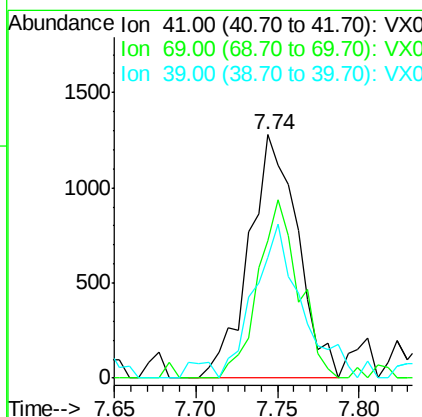
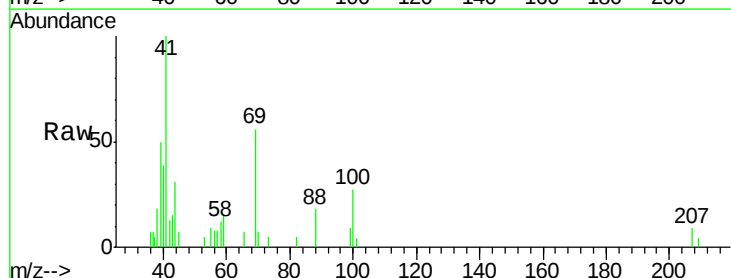
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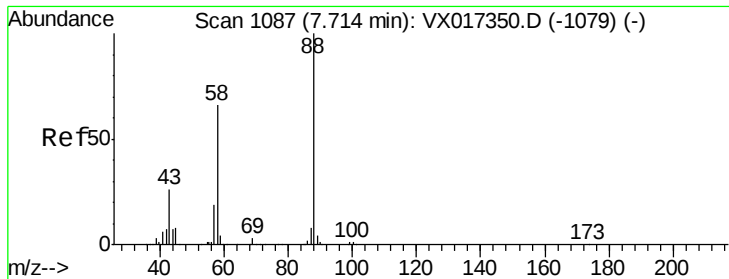
MMDadoda  
7/15/2020 11:43:11 AM



#48  
Methyl methacrylate  
Concen: 0.803 ug/l  
RT: 7.74 min Scan# 1092  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 41      | 100   |       |        |
| 69      | 61.1  | 67.8  | 101.6# |
| 39      | 60.9  | 45.1  | 67.7   |





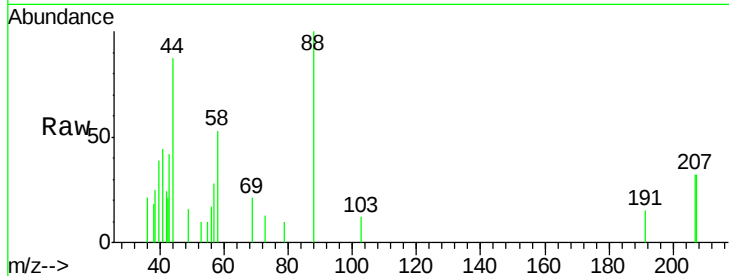
#49  
1,4-Dioxane  
Concen: 19.868 ug/l  
RT: 7.73 min Scan# 1089  
Delta R.T. 0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

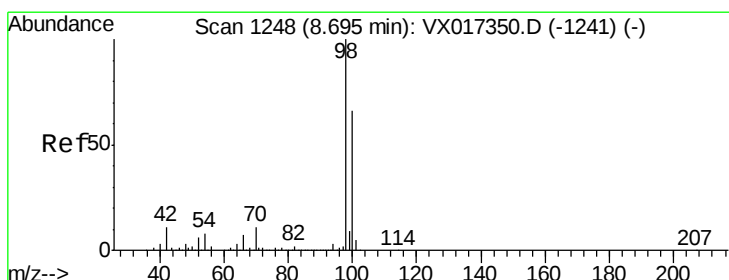
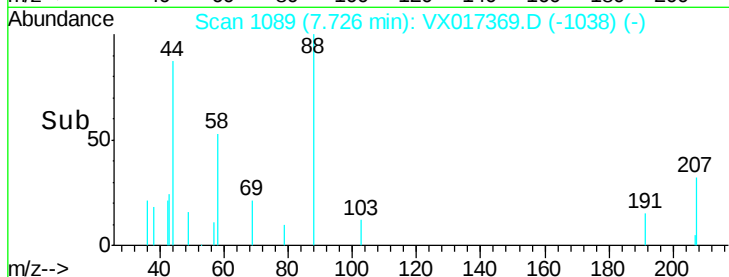
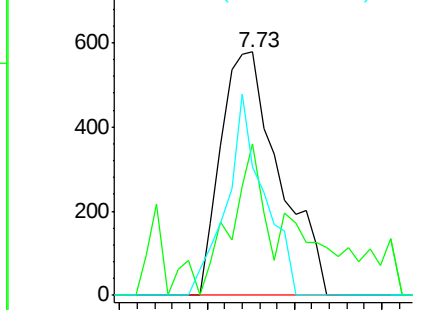
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 34.6  | 25.6  | 38.4  |
| 58      | 52.9  | 53.9  | 80.9# |

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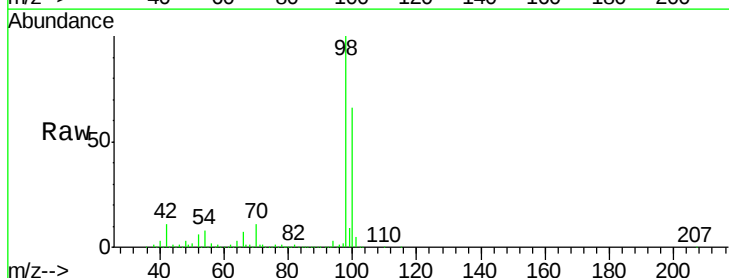


Abundance Ion 88.00 (87.70 to 88.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0

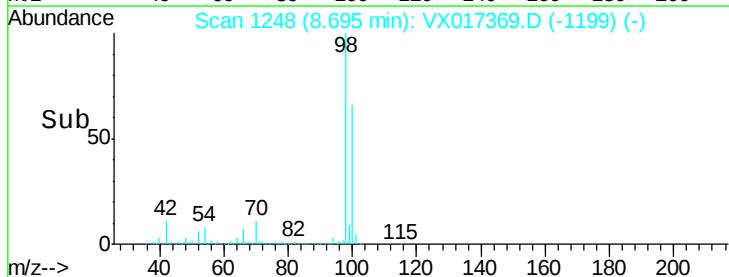
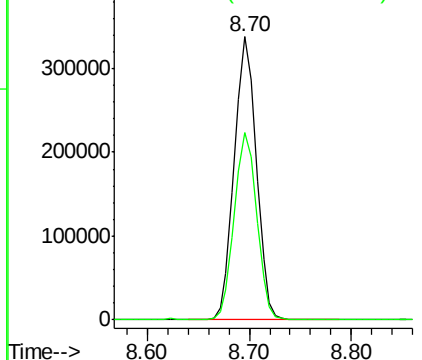


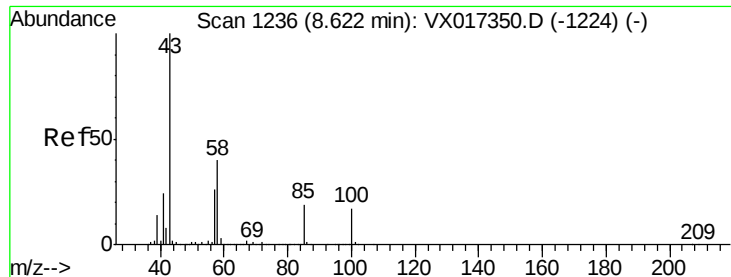
#50  
Toluene-d8  
Concen: 45.779 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.1  | 53.4  | 80.2  |



Abundance Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 2.955 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 12459

Ion Ratio Lower Upper

43 100

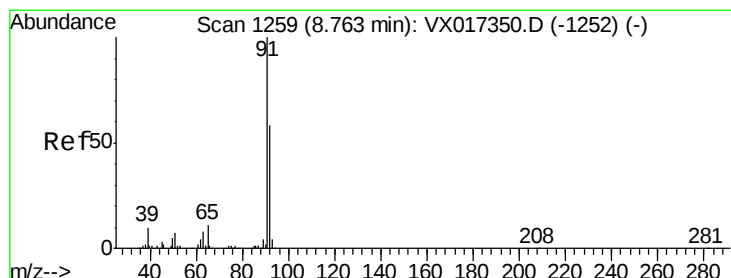
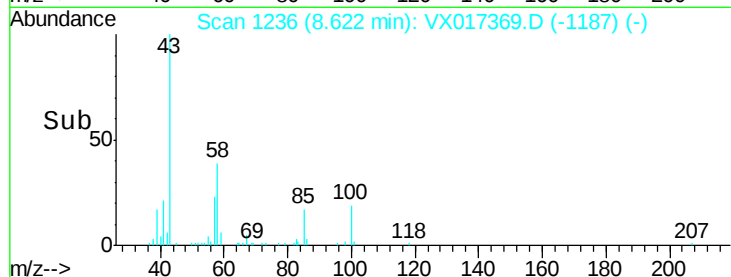
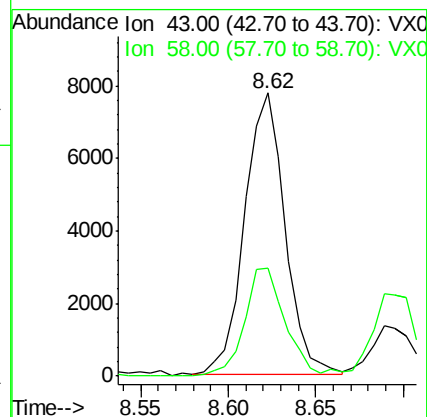
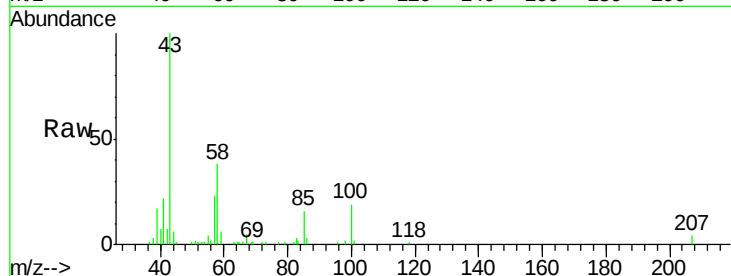
58 38.3 32.2 48.2

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#52

Toluene

Concen: 0.762 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017369.D

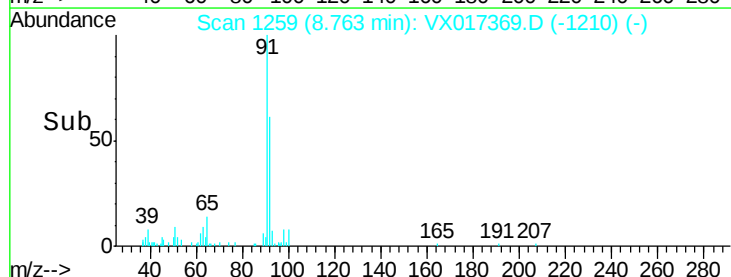
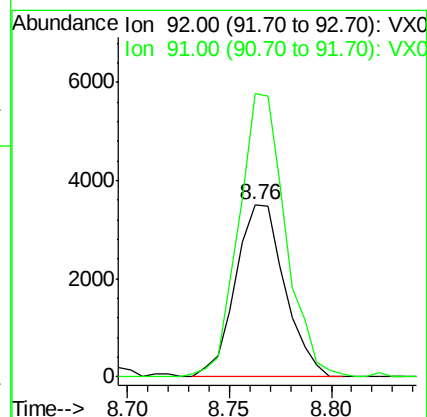
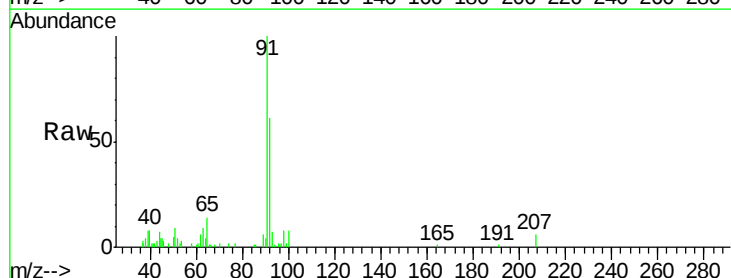
Acq: 14 Jul 2020 11:26

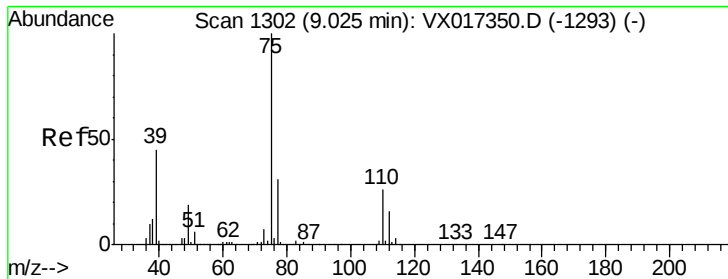
Tgt Ion: 92 Resp: 5878

Ion Ratio Lower Upper

92 100

91 156.7 136.7 205.1





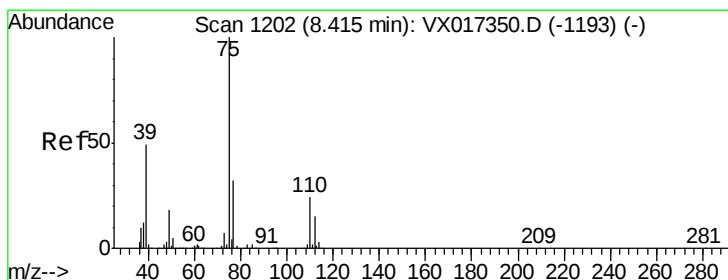
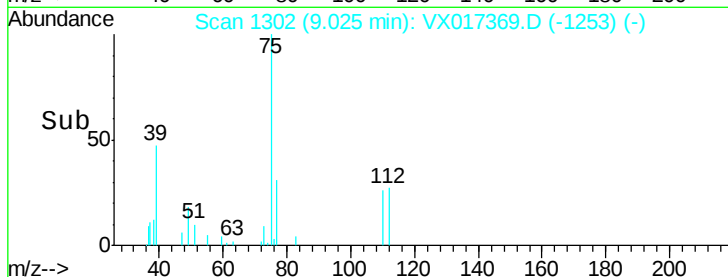
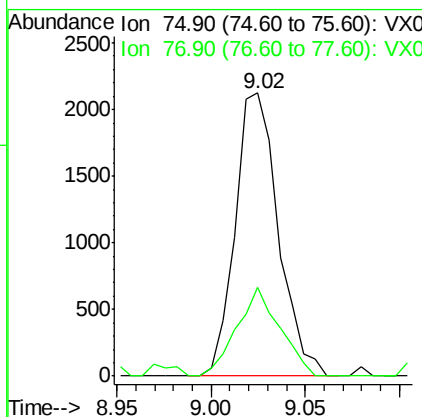
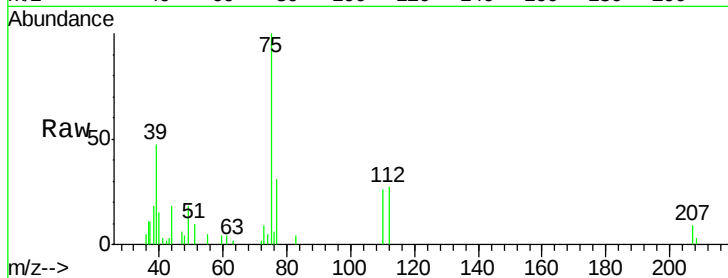
#53  
 t-1,3-Dichloropropene  
 Concen: 0.674 ug/l  
 RT: 9.02 min Scan# 1302  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 25.0  | 37.6  |

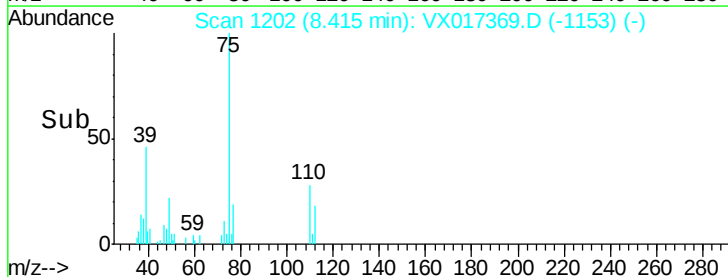
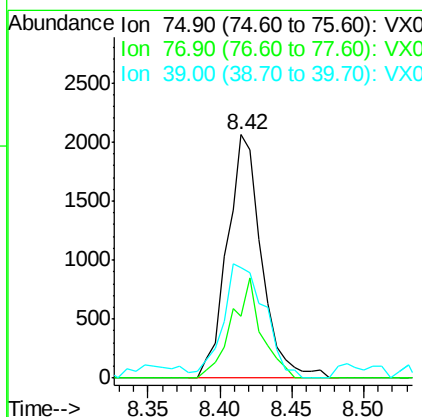
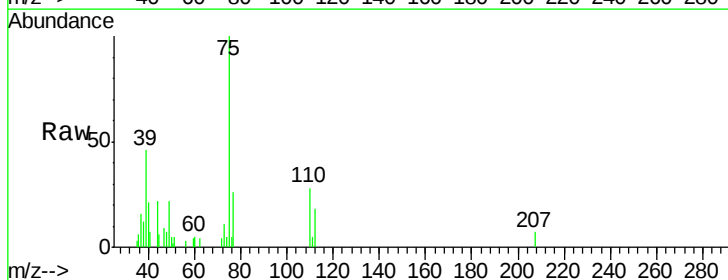
Manual Integrations  
 APPROVED

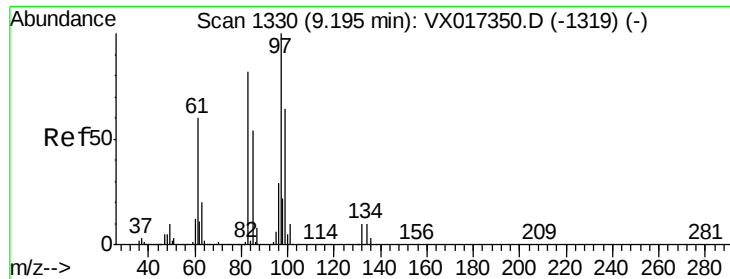
MMDadoda  
 7/15/2020 11:43:11 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 0.647 ug/l  
 RT: 8.42 min Scan# 1202  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 25.5  | 25.3  | 37.9  |
| 39      | 43.1  | 38.9  | 58.3  |





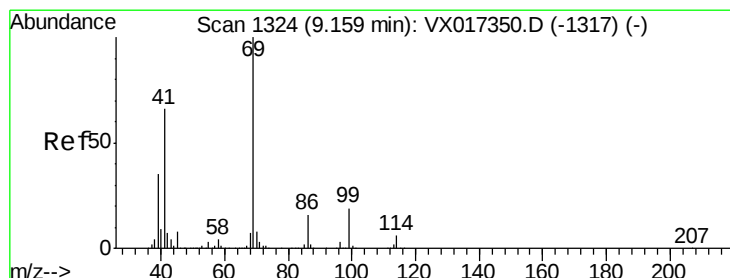
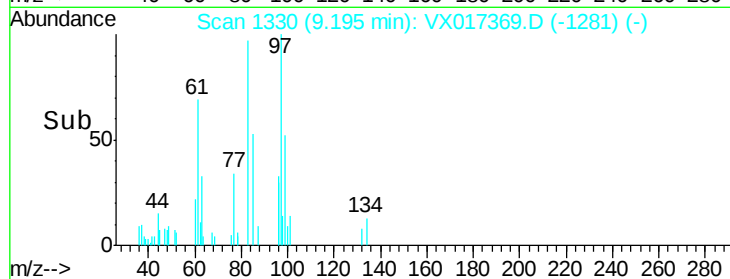
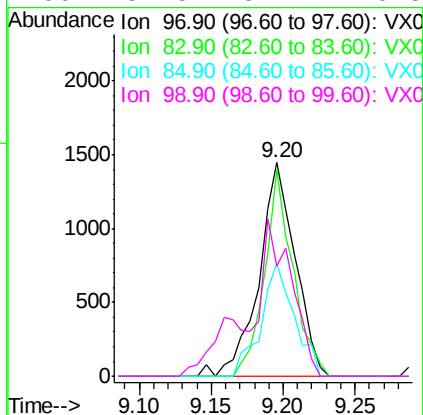
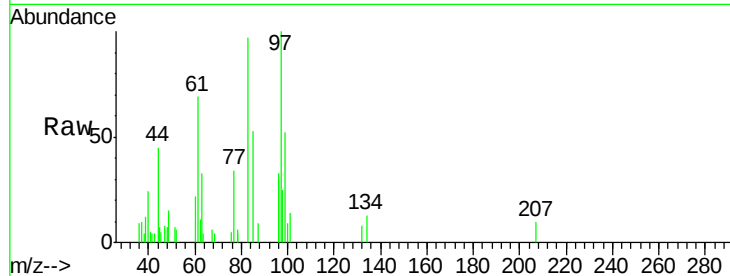
#55  
 1,1,2-Trichloroethane  
 Concen: 0.786 ug/l  
 RT: 9.20 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 2529  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 96.7  | 65.8  | 98.6  |
| 85       | 52.6  | 42.8  | 64.2  |
| 99       | 51.5  | 51.2  | 76.8  |

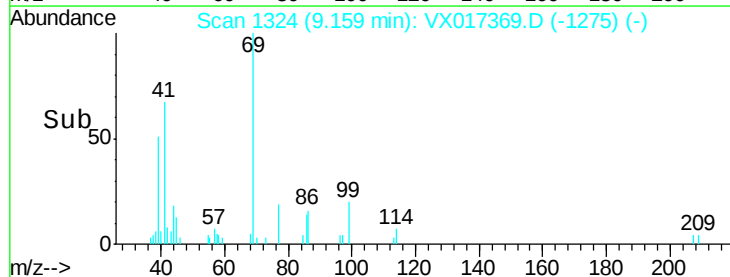
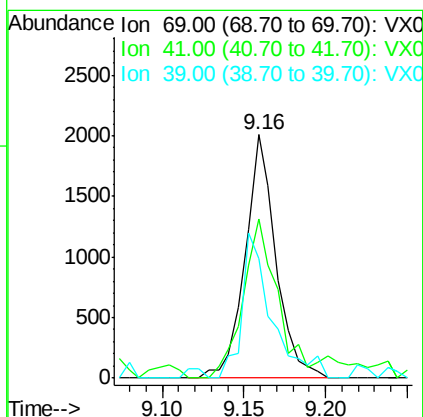
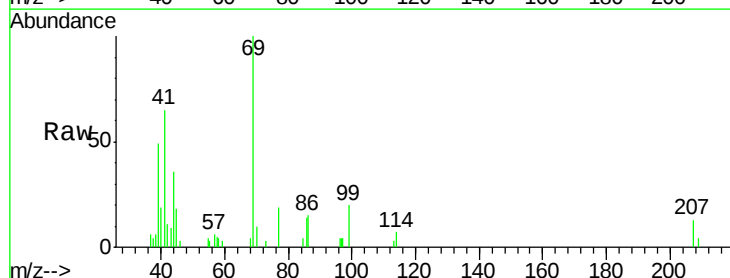
Manual Integrations  
 APPROVED

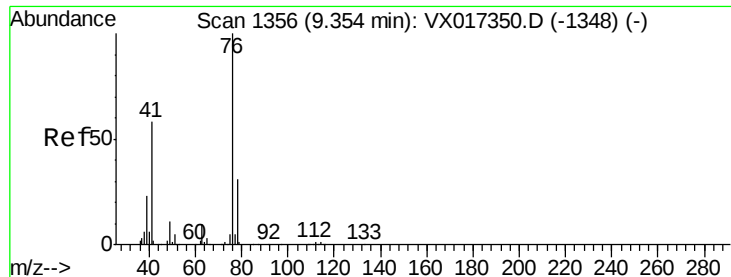
MMDadoda  
 7/15/2020 11:43:11 AM



#56  
 Ethyl methacrylate  
 Concen: 0.580 ug/l  
 RT: 9.16 min Scan# 1324  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 2649  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 74.1  | 52.6  | 78.8  |
| 39       | 56.7  | 28.8  | 43.2# |





#57

1,3-Dichloropropane

Concen: 0.677 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 76 Resp: 3624

Ion Ratio Lower Upper

76 100

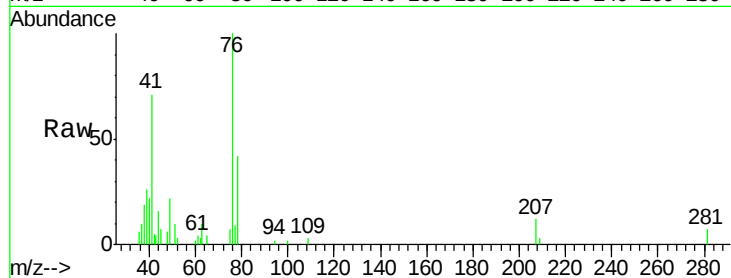
78 36.3 25.8 38.6

Manual Integrations

APPROVED

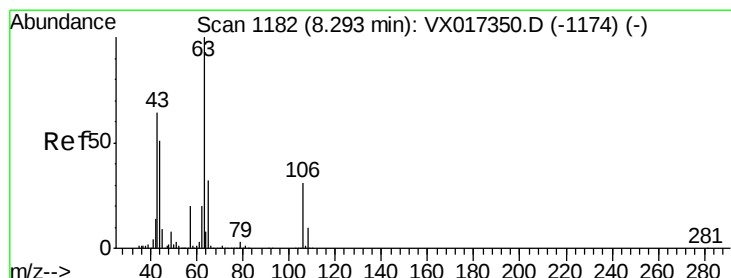
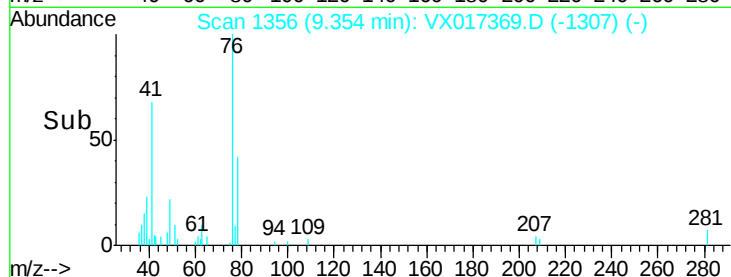
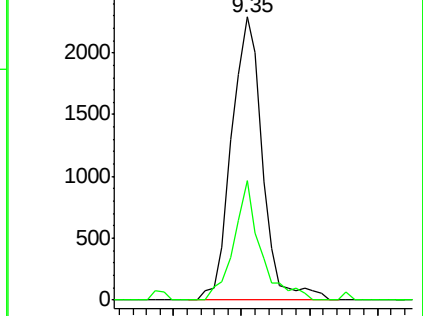
MMDadoda

7/15/2020 11:43:11 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 2.831 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017369.D

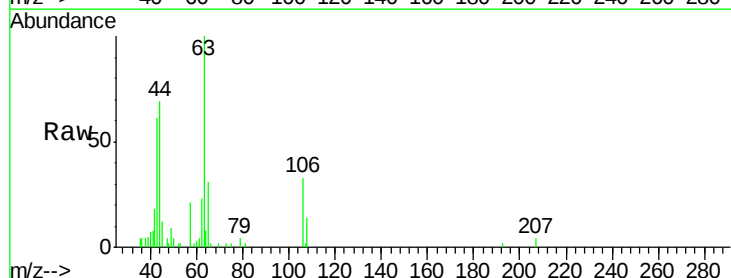
Acq: 14 Jul 2020 11:26

Tgt Ion: 63 Resp: 6566

Ion Ratio Lower Upper

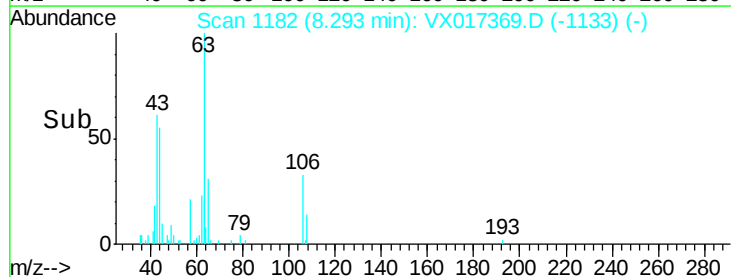
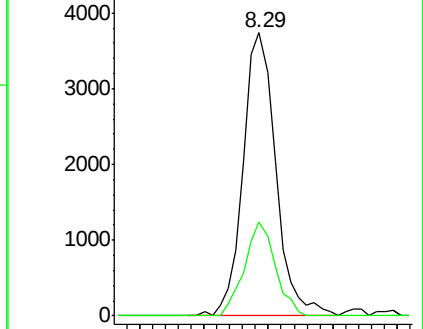
63 100

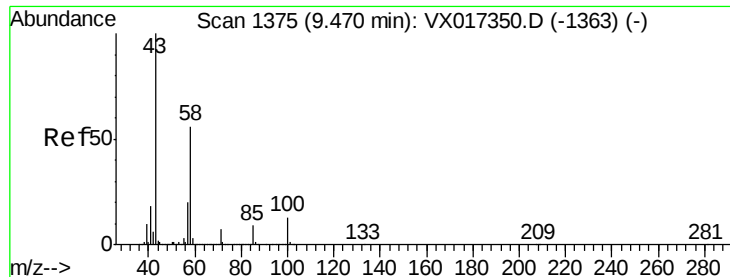
106 31.1 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





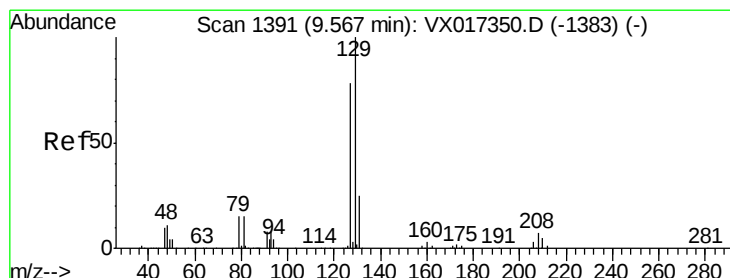
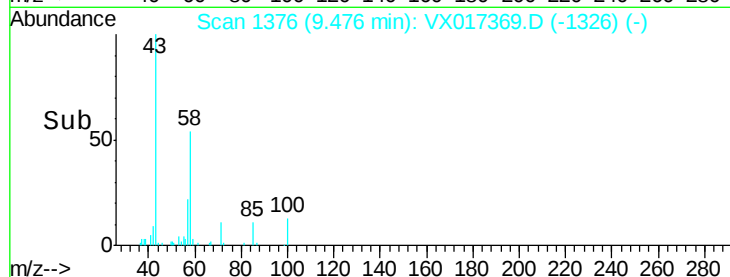
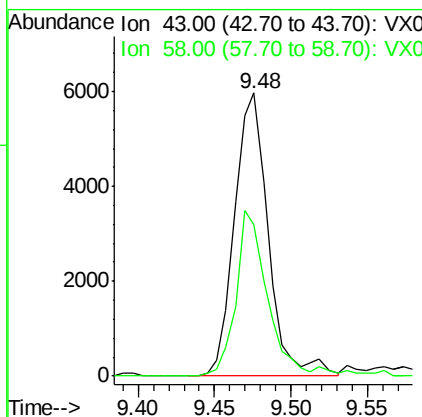
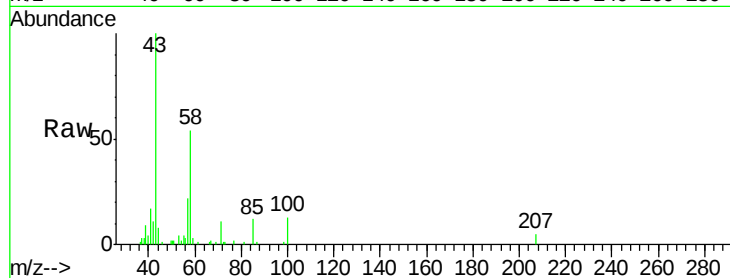
#59  
2-Hexanone  
Concen: 2.872 ug/l  
RT: 9.48 min Scan# 1376  
Delta R.T. 0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 9138  
Ion Ratio Lower Upper  
43 100  
58 53.3 28.1 84.3

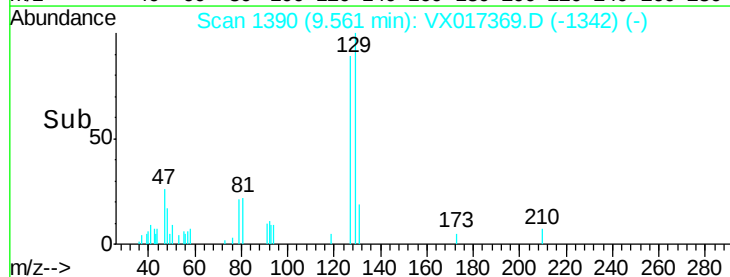
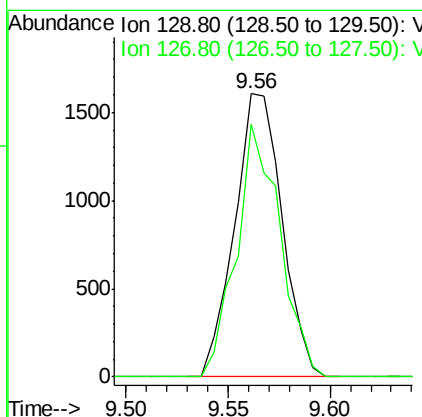
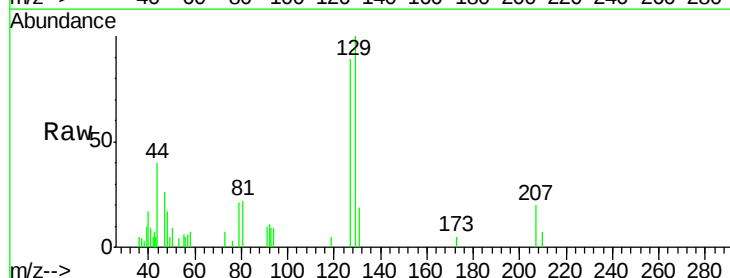
Manual Integrations  
APPROVED

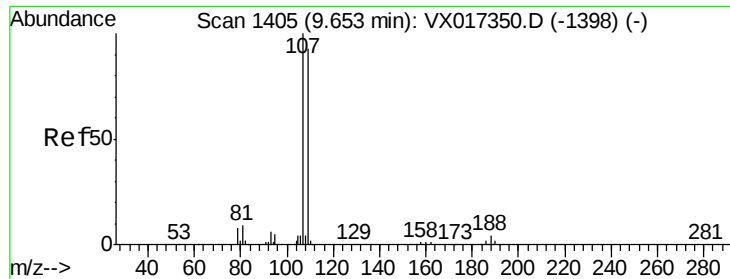
MMDadoda  
7/15/2020 11:43:11 AM



#60  
Dibromochloromethane  
Concen: 0.660 ug/l  
RT: 9.56 min Scan# 1390  
Delta R.T. -0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Tgt Ion: 129 Resp: 2593  
Ion Ratio Lower Upper  
129 100  
127 82.1 38.9 116.6





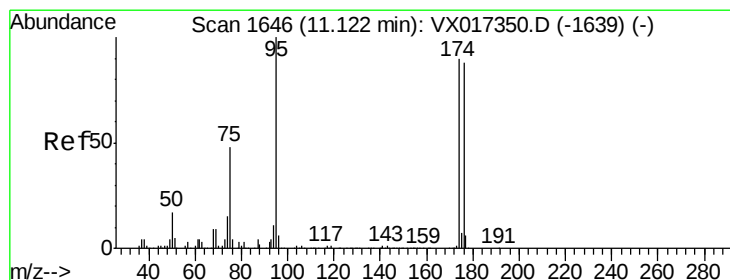
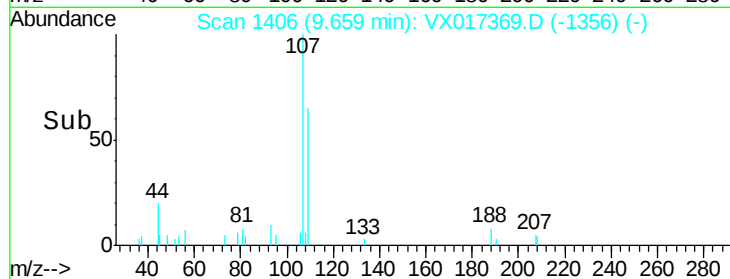
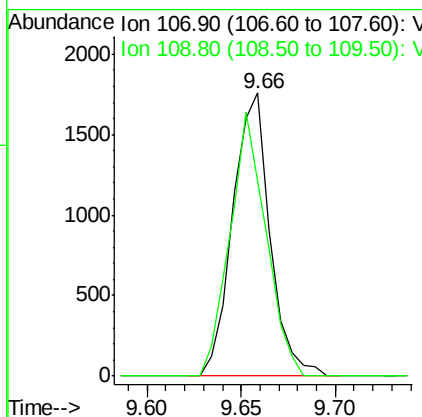
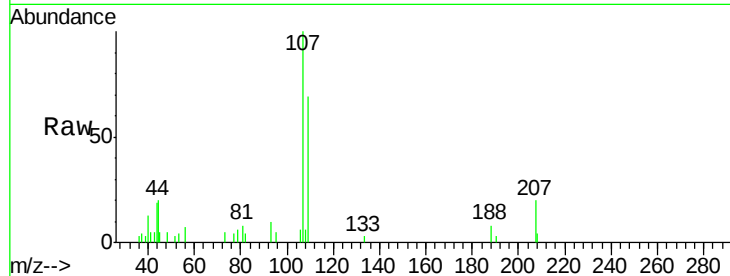
#61  
 1,2-Dibromoethane  
 Concen: 0.690 ug/l  
 RT: 9.66 min Scan# 1406  
 Delta R.T. 0.01 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 89.9  | 75.0  | 112.4 |

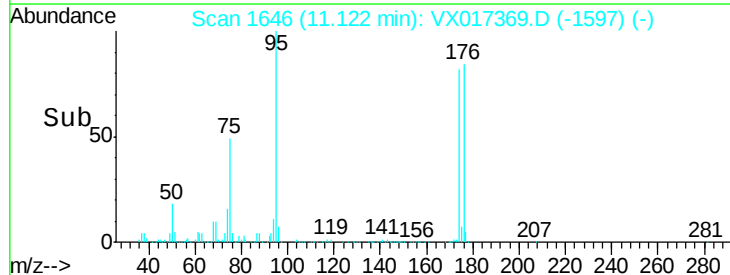
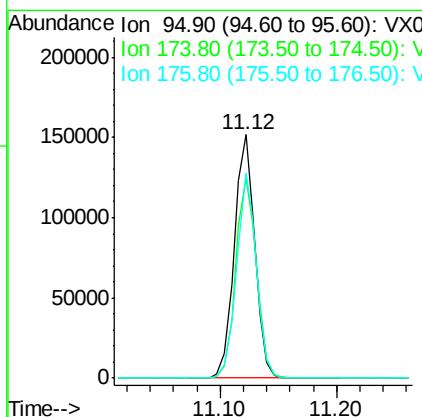
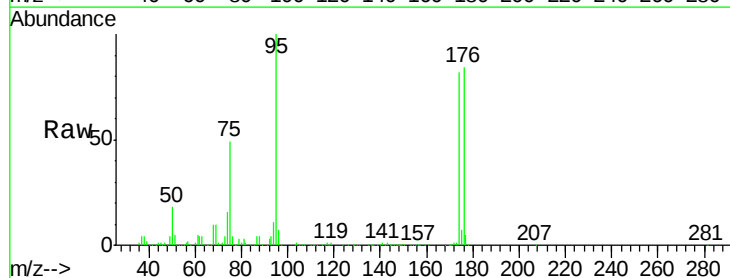
Manual Integrations  
 APPROVED

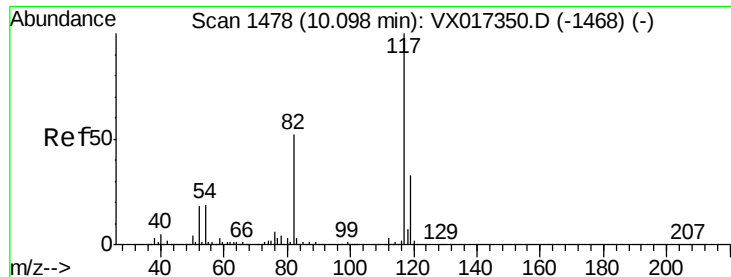
MMDadoda  
 7/15/2020 11:43:11 AM



#62  
 4-Bromofluorobenzene  
 Concen: 42.340 ug/l  
 RT: 11.12 min Scan# 1646  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 83.5  | 0.0   | 175.8 |
| 176     | 81.1  | 0.0   | 164.6 |





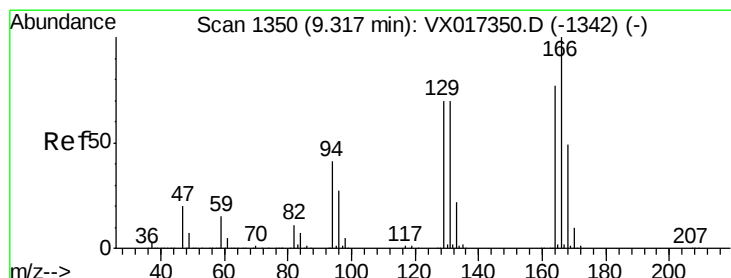
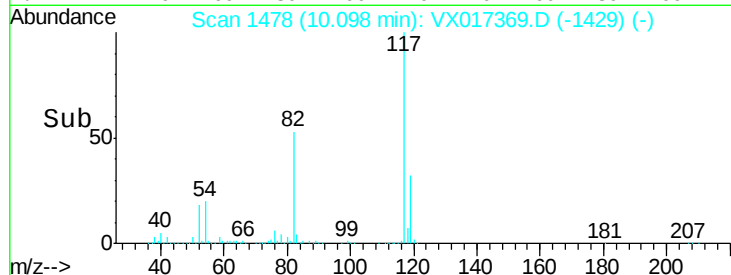
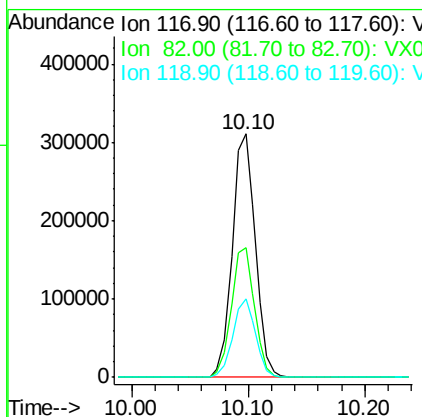
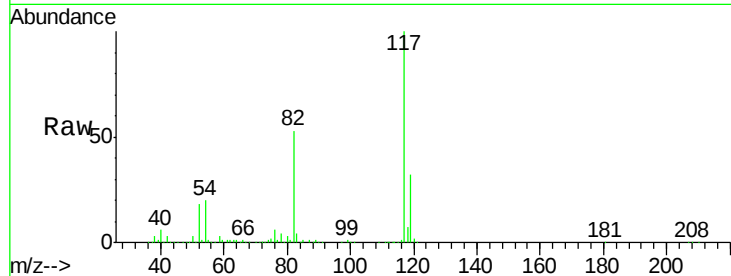
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.3  | 42.0  | 63.0  |
| 119     | 32.4  | 26.3  | 39.5  |

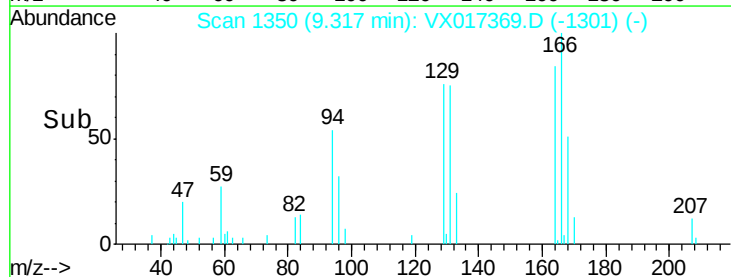
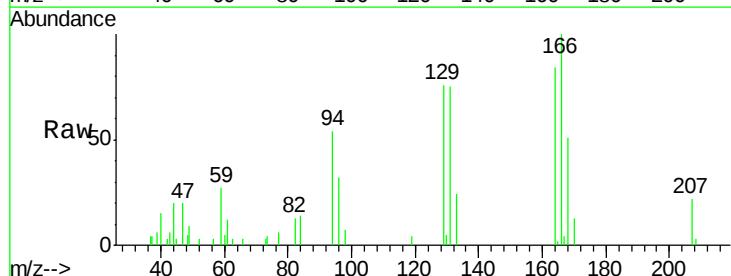
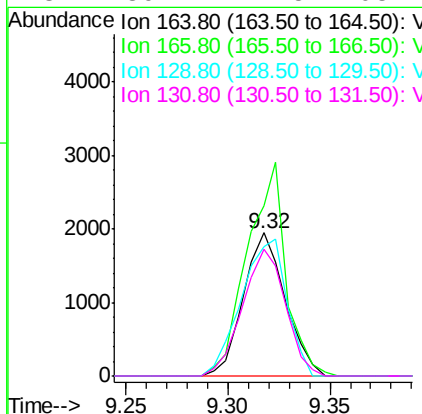
Manual Integrations  
APPROVED

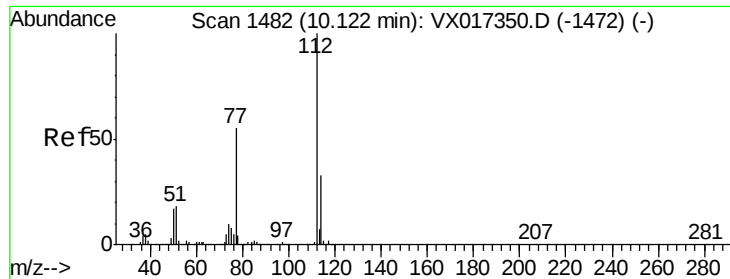
MMDadoda  
7/15/2020 11:43:11 AM



#64  
Tetrachloroethene  
Concen: 0.749 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 119.4 | 103.9 | 155.9 |
| 129     | 90.6  | 72.9  | 109.3 |
| 131     | 89.1  | 72.5  | 108.7 |





#65

Chlorobenzene

Concen: 0.728 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:112 Resp: 6326

Ion Ratio Lower Upper

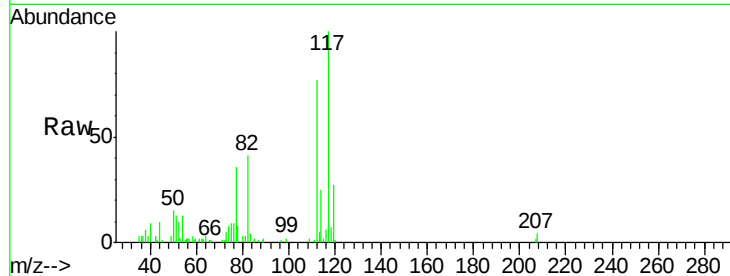
112 100

114 33.1 26.0 39.0

Manual Integrations  
APPROVED

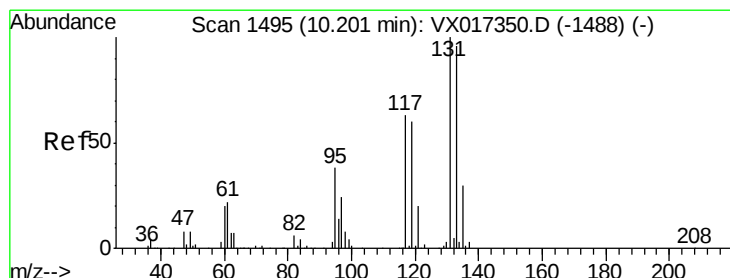
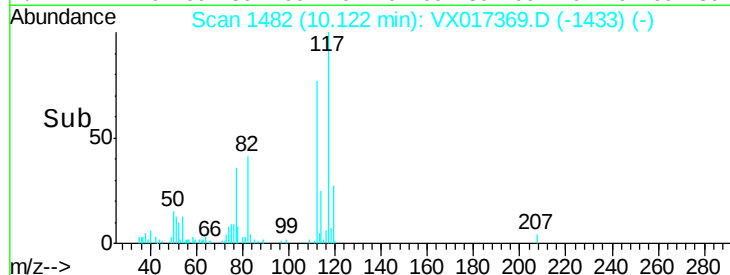
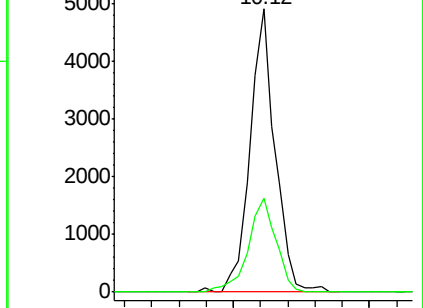
MMDadoda

7/15/2020 11:43:11 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.728 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

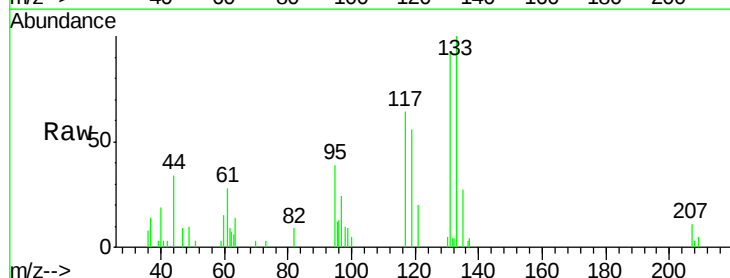
Tgt Ion:131 Resp: 2519

Ion Ratio Lower Upper

131 100

133 106.8 48.4 145.2

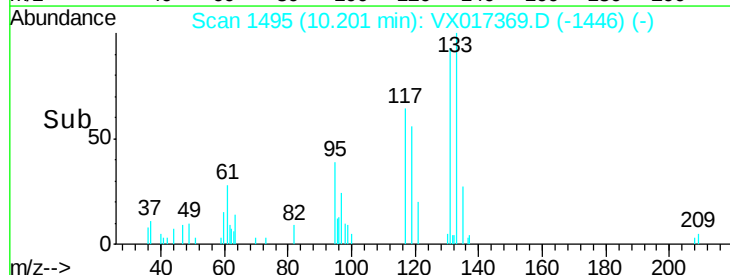
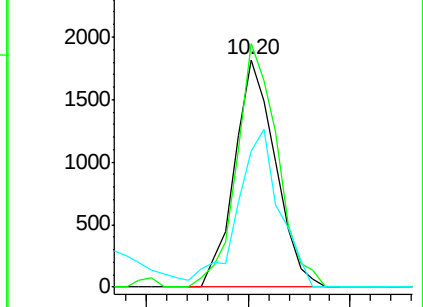
119 0.0 31.2 93.6#

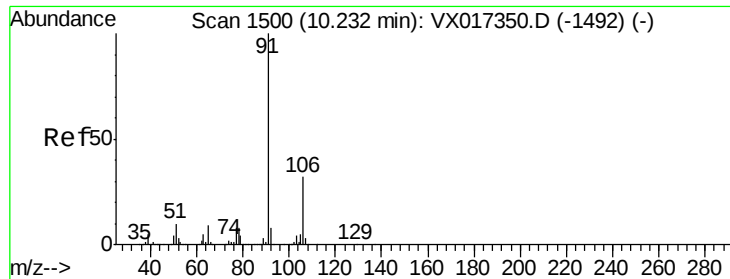


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





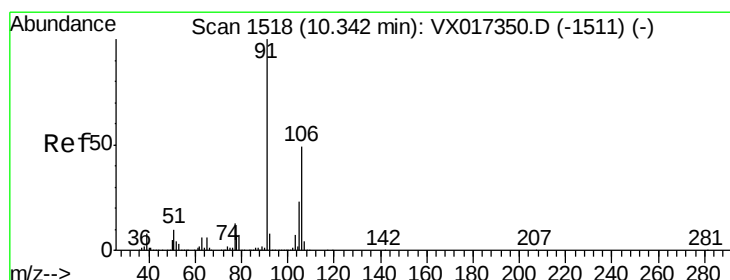
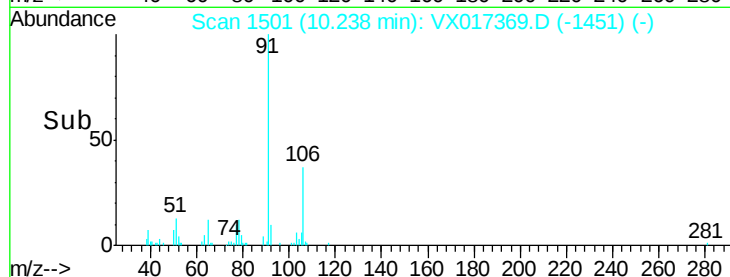
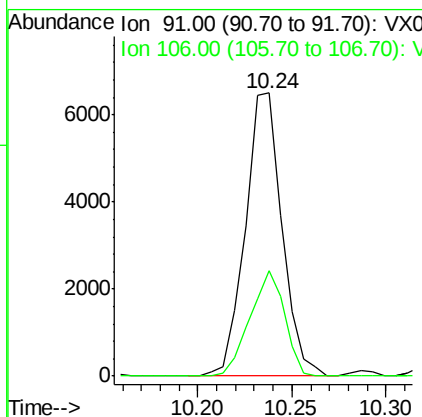
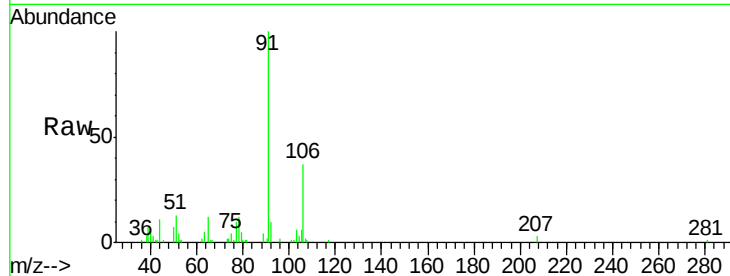
#67  
Ethyl Benzene  
Concen: 0.608 ug/l  
RT: 10.24 min Scan# 1501  
Delta R.T. 0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

Tot Ion: 91 Resp: 8792  
Ion Ratio Lower Upper  
91 100  
106 37.1 25.7 38.5

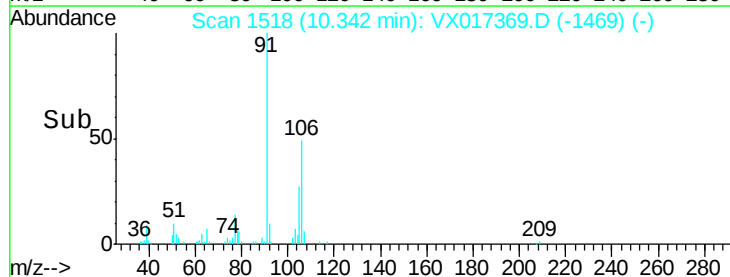
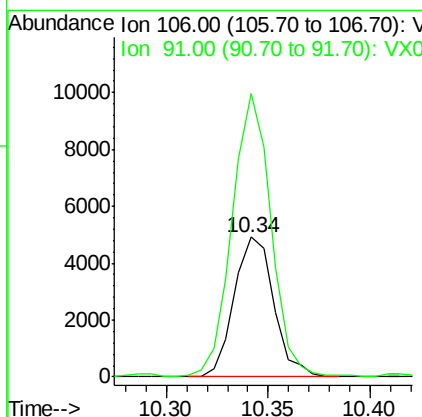
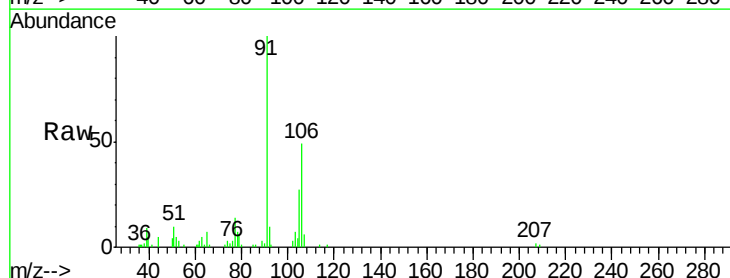
Manual Integrations  
APPROVED

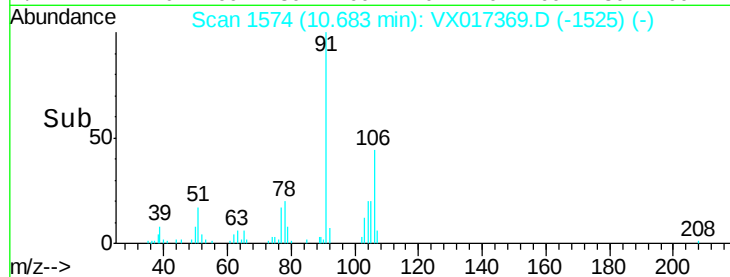
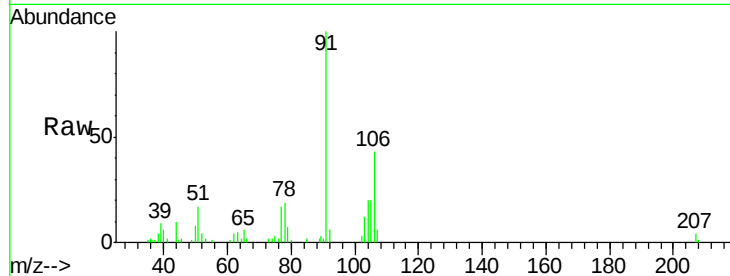
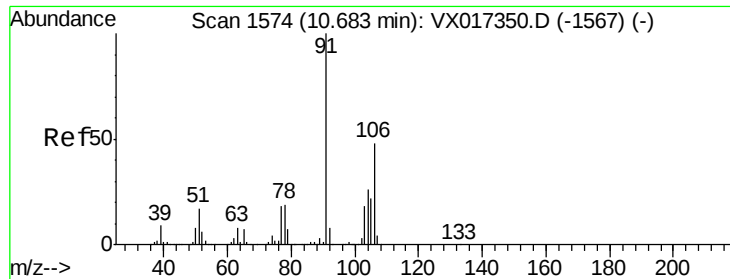
MMDadoda  
7/15/2020 11:43:11 AM



#68  
m/p-Xylenes  
Concen: 1.201 ug/l  
RT: 10.34 min Scan# 1518  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Tgt Ion: 106 Resp: 6613  
Ion Ratio Lower Upper  
106 100  
91 199.8 162.5 243.7





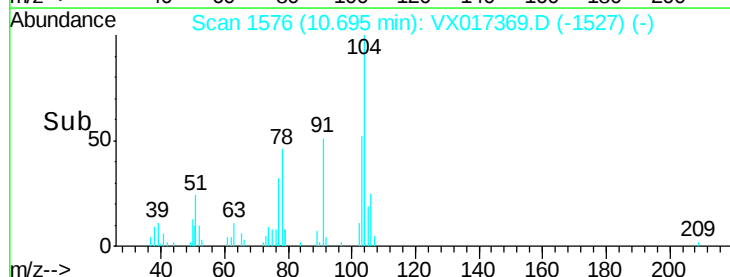
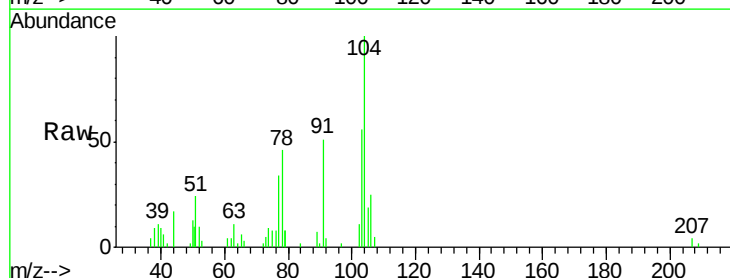
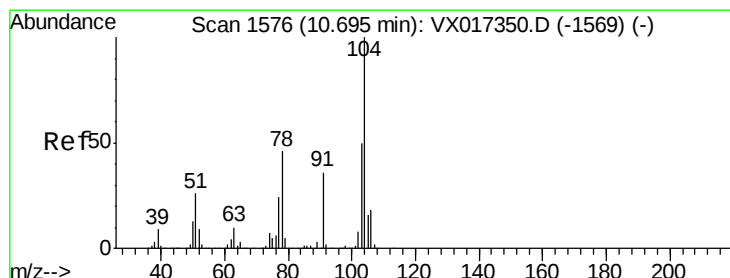
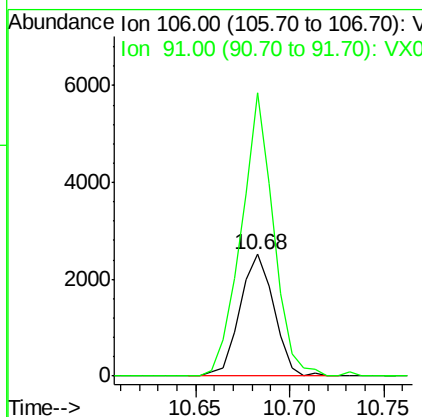
#69  
o-Xylene  
Concen: 0.598 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Tot Ion:106 Resp: 3148  
Ion Ratio Lower Upper  
106 100  
91 220.1 106.1 318.1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

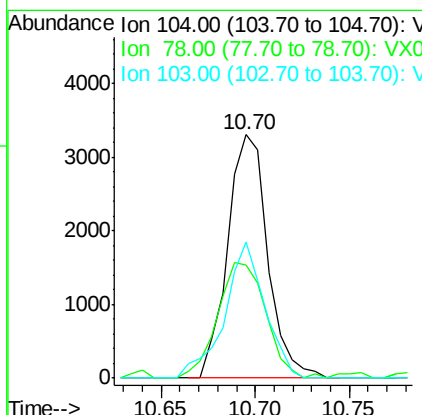
Manual Integrations  
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7/15/2020 11:43:11 AM



#70  
Styrene  
Concen: 0.539 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Tgt Ion:104 Resp: 4869  
Ion Ratio Lower Upper  
104 100  
78 57.2 40.8 61.2  
103 56.3 43.3 64.9





#71

Bromoform

Concen: 0.666 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

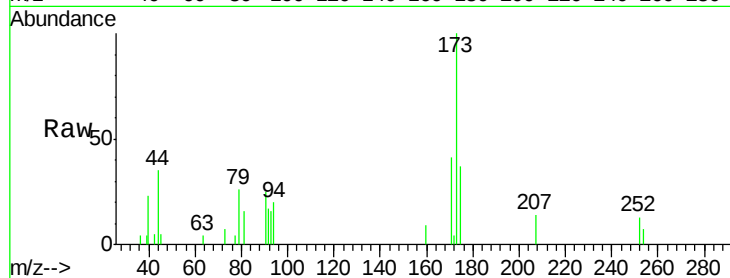
ClientSampleId :

MDL-WATER-03-QT3-2020

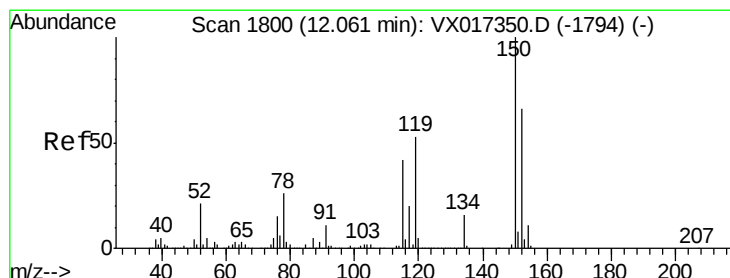
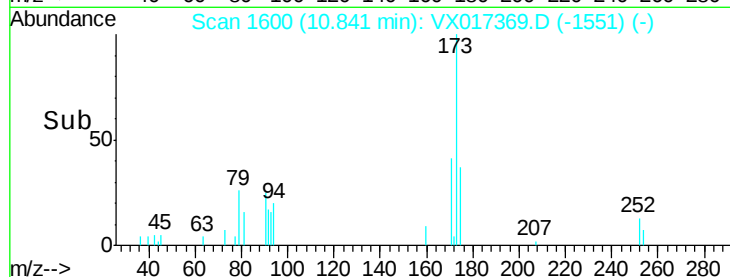
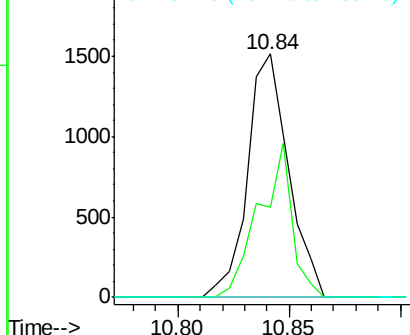
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 51.2  | 24.7  | 74.1  |
| 254     | 0.0   | 0.1   | 0.1#  |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

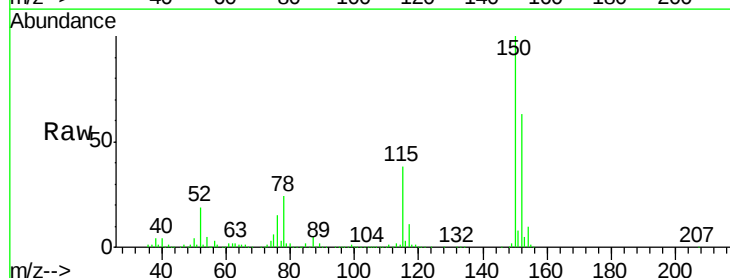
RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

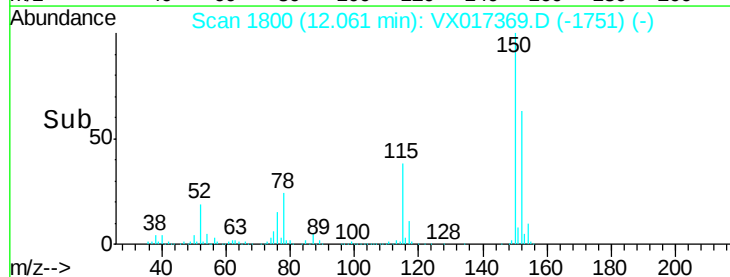
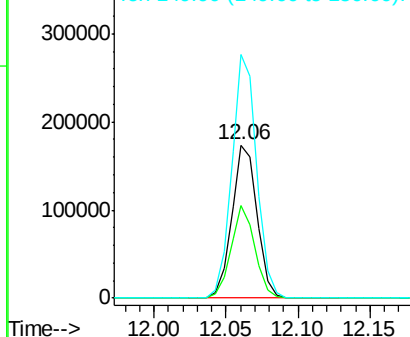
Lab File: VX017369.D

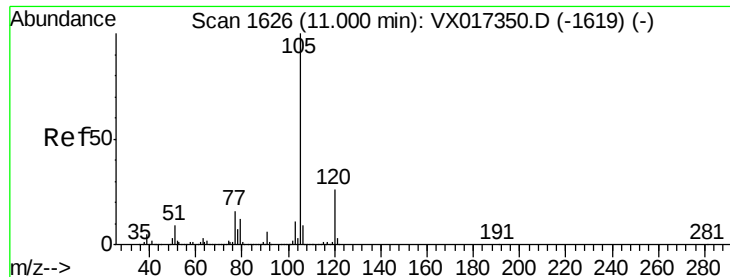
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.6  | 39.9  | 119.7 |
| 150     | 156.5 | 0.0   | 343.4 |



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





#73

Isopropylbenzene

Concen: 0.583 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 105 Resp: 7766

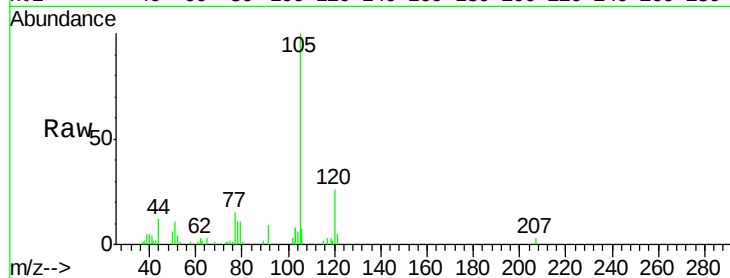
Ion Ratio Lower Upper

105 100

120 30.5 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.00

6000

4000

2000

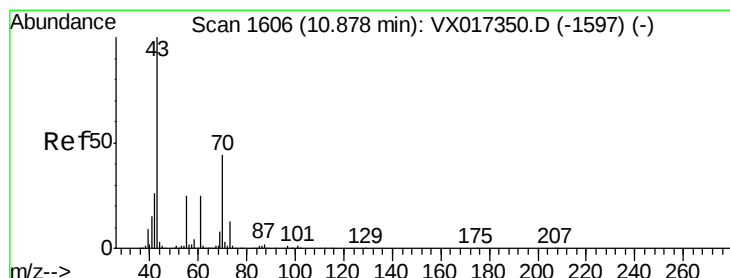
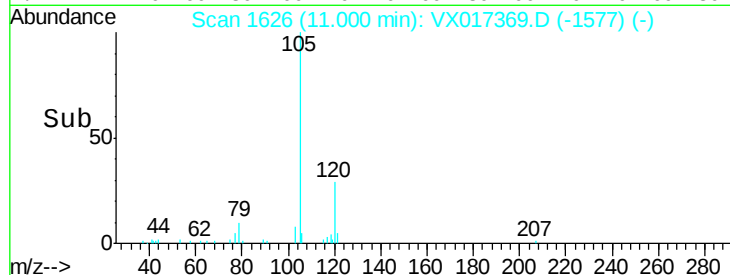
0

Time-->

10.95

11.00

11.05



#74

N-ethyl acetate

Concen: 0.645 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Tgt Ion: 43 Resp: 3437

Ion Ratio Lower Upper

43 100

70 41.5 35.7 53.5

55 26.0 20.3 30.5

61 23.3 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

4000

3000

2000

1000

0

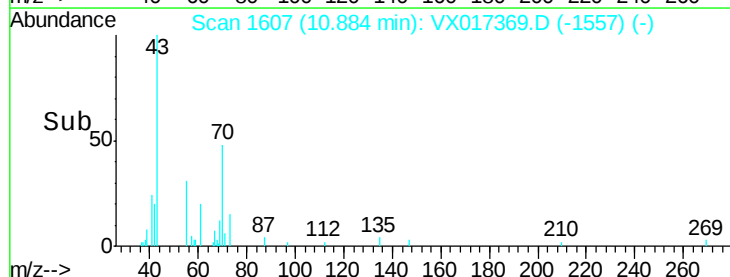
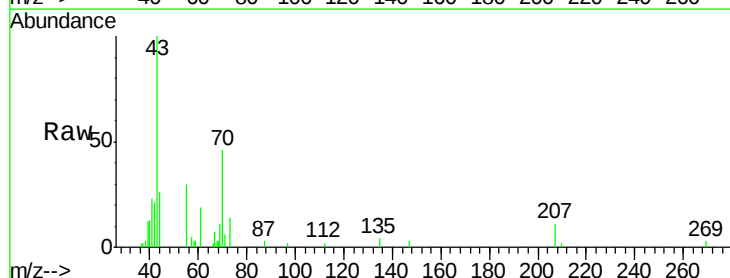
Time-->

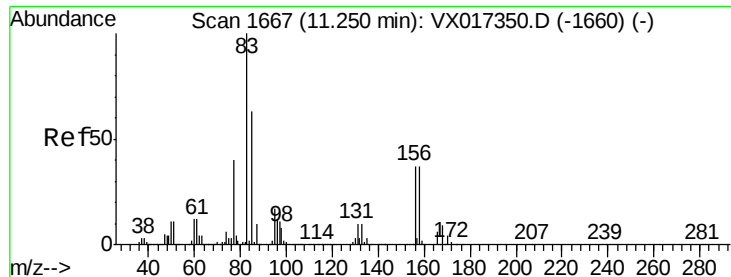
10.80

10.85

10.90

10.95





#75

1,1,2,2-Tetrachloroethane

Concen: 0.803 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

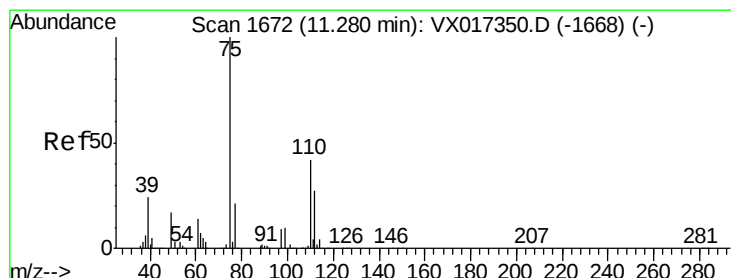
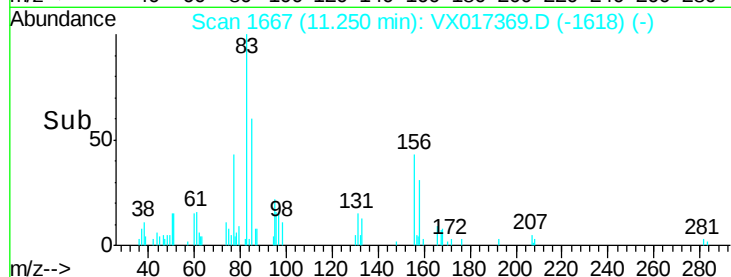
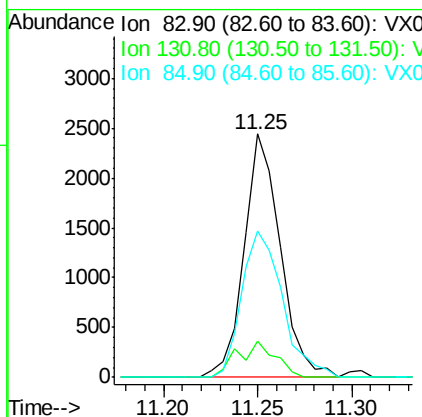
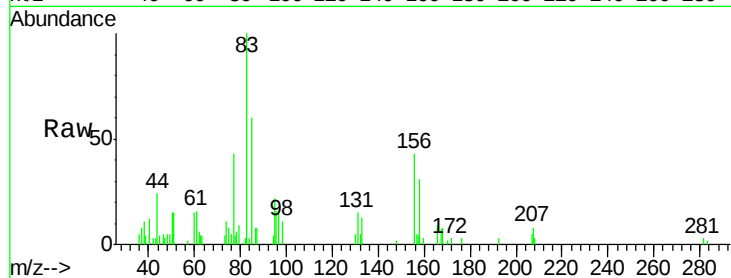
ClientSampleId :

MDL-WATER-03-QT3-2020

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 83    | Resp: | 3249 |
| Ion Ratio | Lower | Upper |      |
| 83        | 100   |       |      |
| 131       | 15.5  | 5.5   | 16.7 |
| 85        | 67.7  | 32.6  | 98.0 |

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#76

1,2,3-Trichloropropane

Concen: 0.622 ug/l m

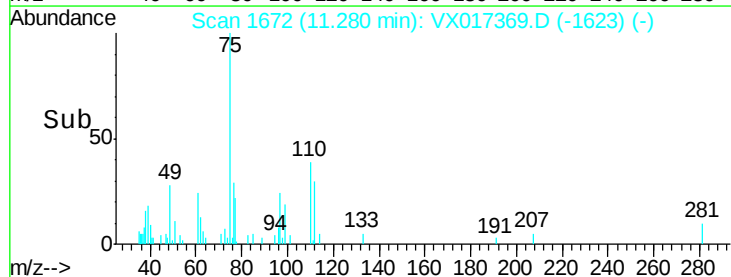
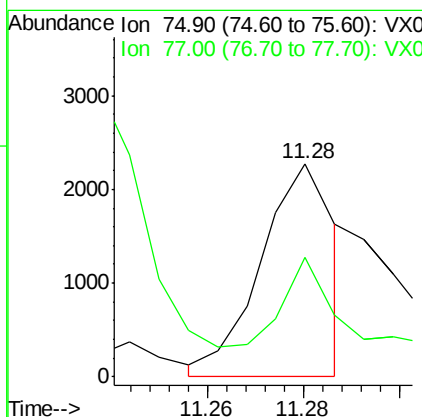
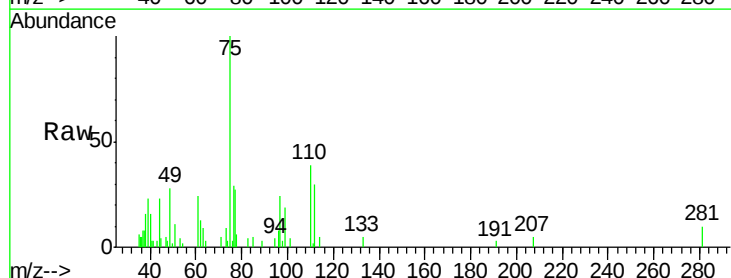
RT: 11.28 min Scan# 1672

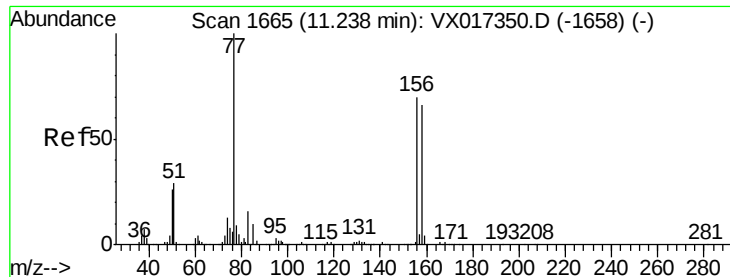
Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 2444  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 68.9  | 20.3  | 60.9# |





#77

Bromobenzene

Concen: 0.807 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

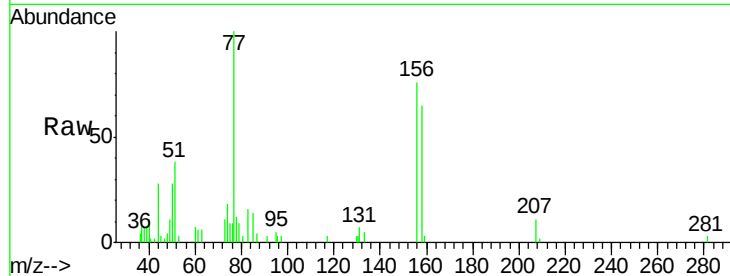
ClientSampleId :

MDL-WATER-03-QT3-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 156   | Resp: | 3061  |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 134.9 | 72.1  | 216.3 |
| 158      | 85.0  | 47.4  | 142.3 |

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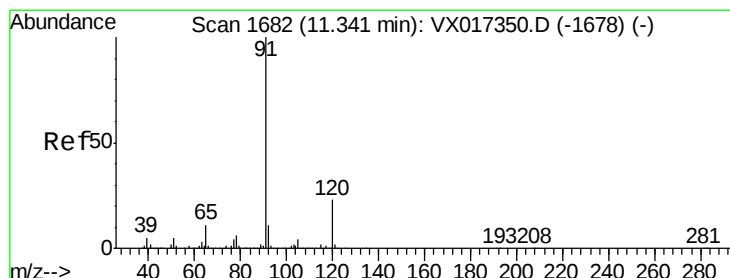
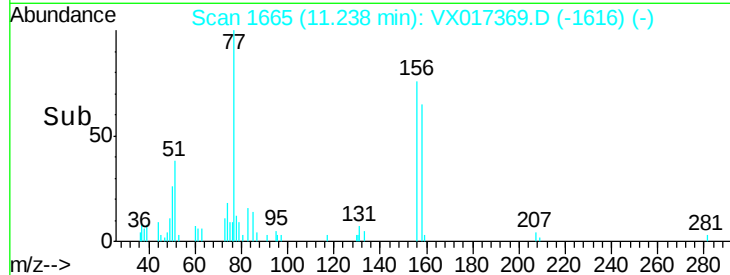
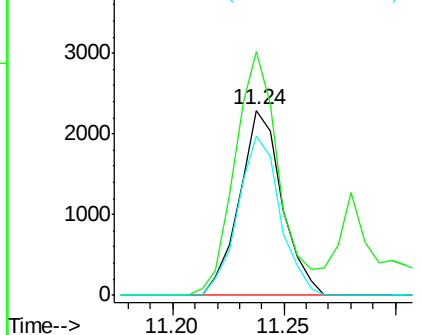
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.658 ug/l

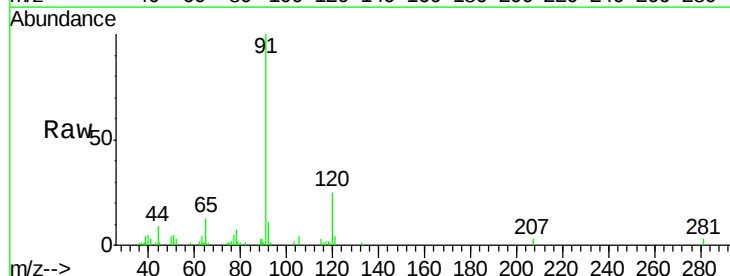
RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX017369.D

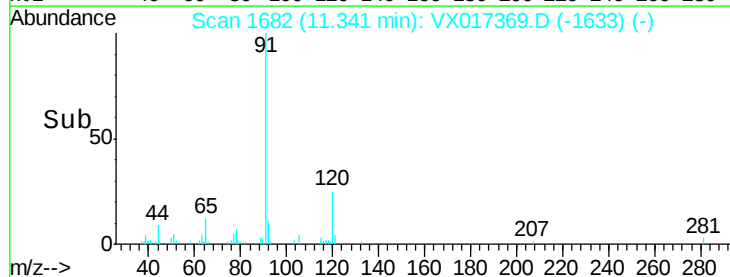
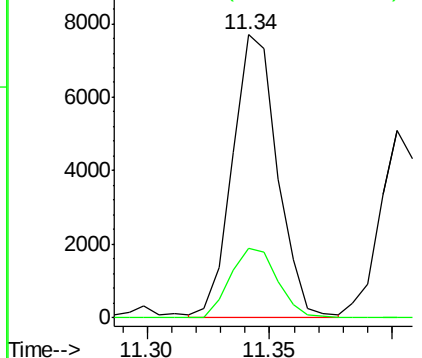
Acq: 14 Jul 2020 11:26

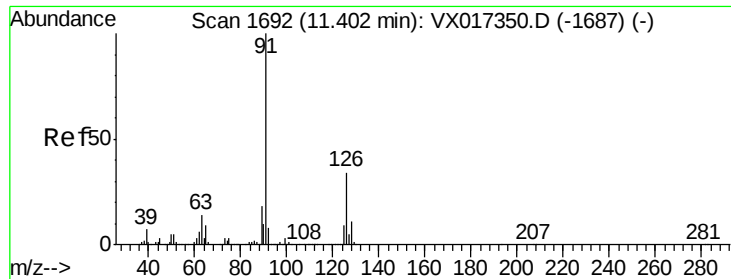
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 9841  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 120      | 25.8  | 11.9  | 35.9  |



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





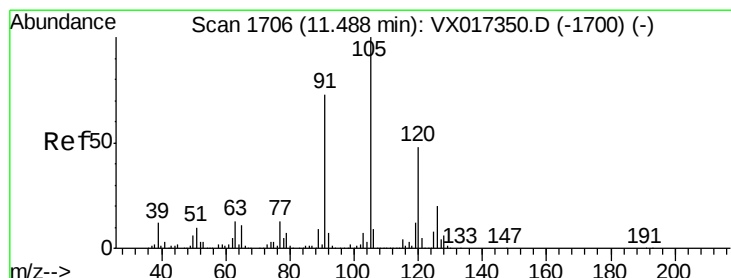
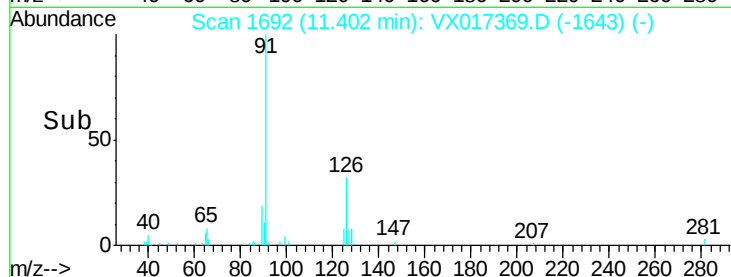
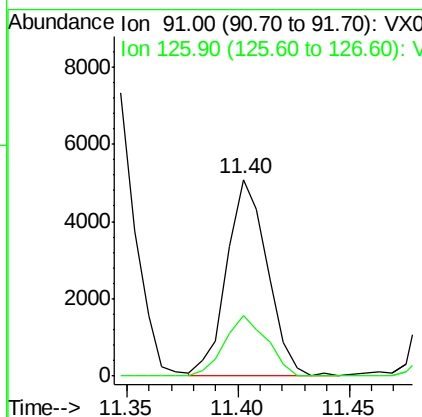
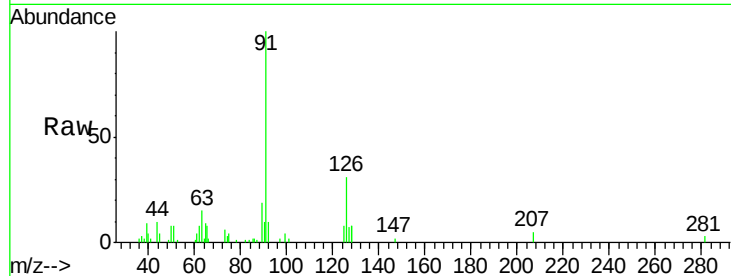
#79  
 2-Chlorotoluene  
 Concen: 0.703 ug/l  
 RT: 11.40 min Scan# 1692  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2020

Tot Ion: 91 Resp: 6478  
 Ion Ratio Lower Upper  
 91 100  
 126 31.9 17.4 52.3

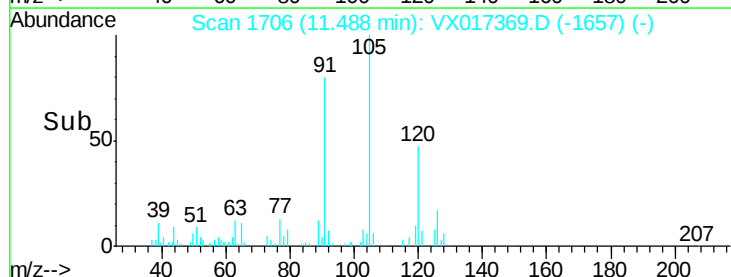
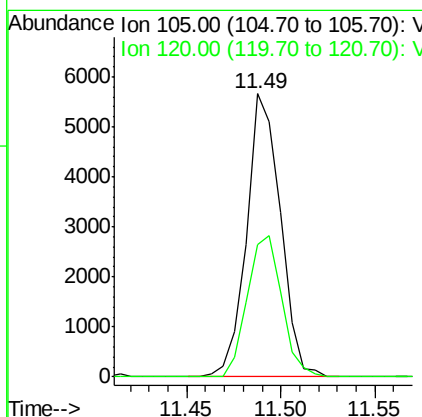
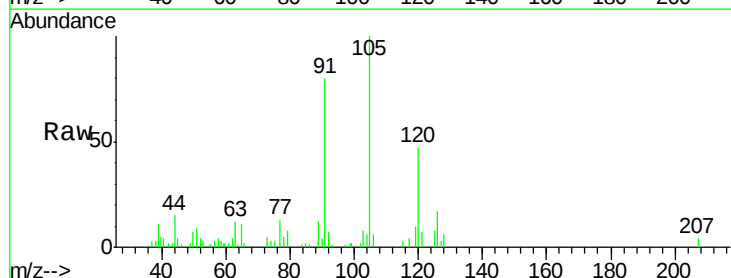
Manual Integrations  
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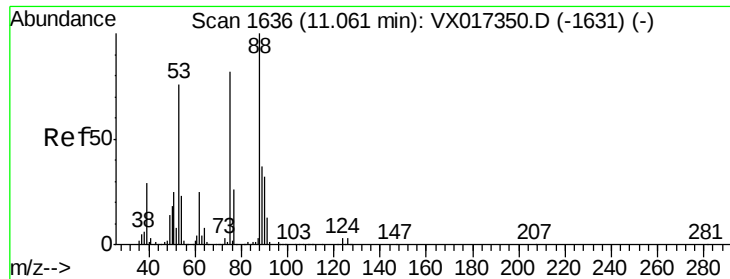
MMDadoda  
 7/15/2020 11:43:11 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.623 ug/l  
 RT: 11.49 min Scan# 1706  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

Tgt Ion: 105 Resp: 7041  
 Ion Ratio Lower Upper  
 105 100  
 120 51.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 0.739 ug/l m

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

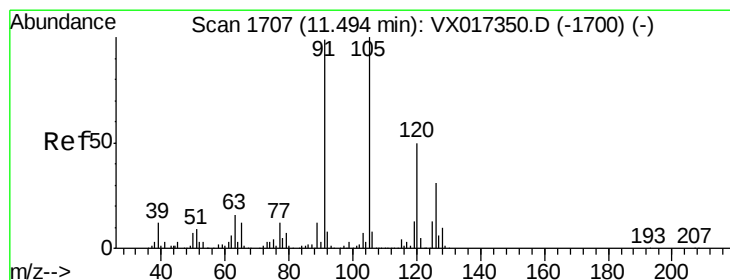
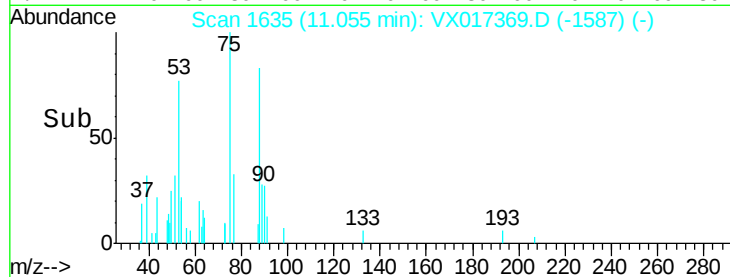
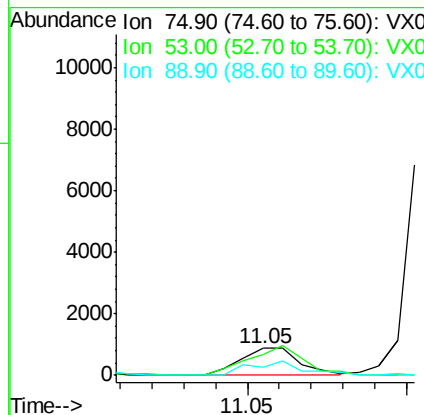
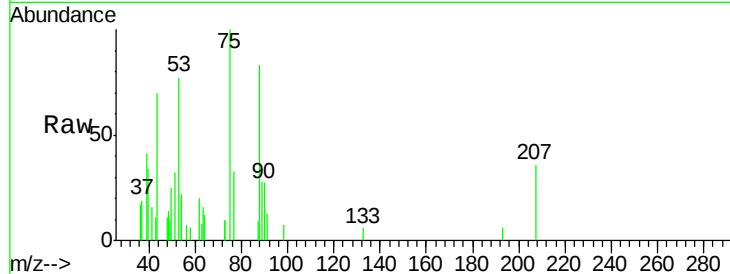
ClientSampleId :

MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 20.7  | 76.5  | 114.7# |
| 89      | 10.2  | 38.1  | 57.1#  |

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#82

4-Chlorotoluene

Concen: 0.737 ug/l

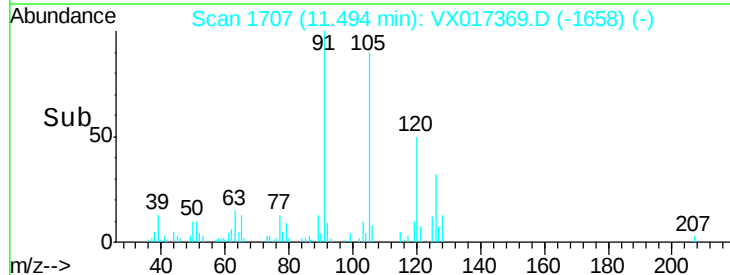
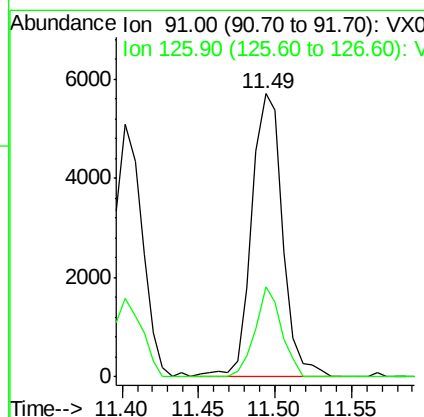
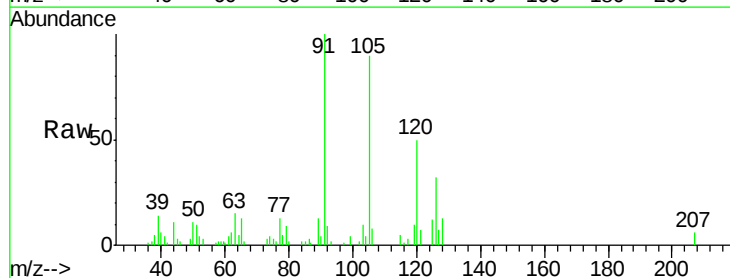
RT: 11.49 min Scan# 1707

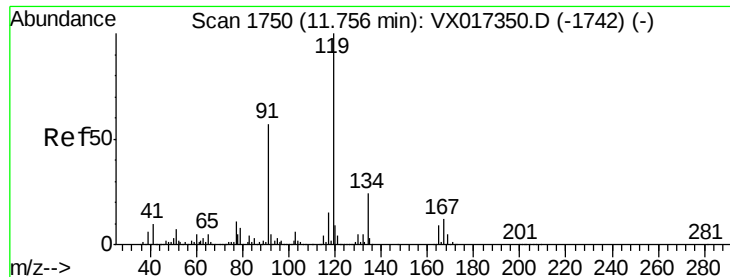
Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 27.0  | 15.4  | 46.2  |





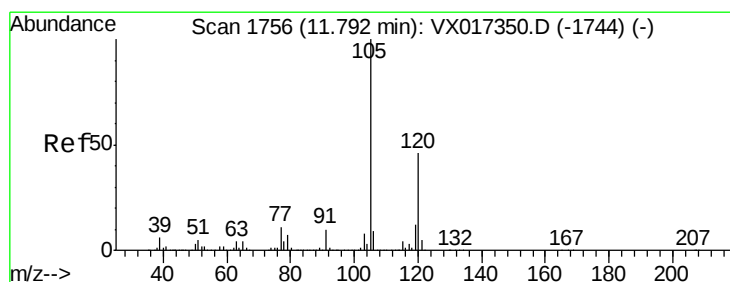
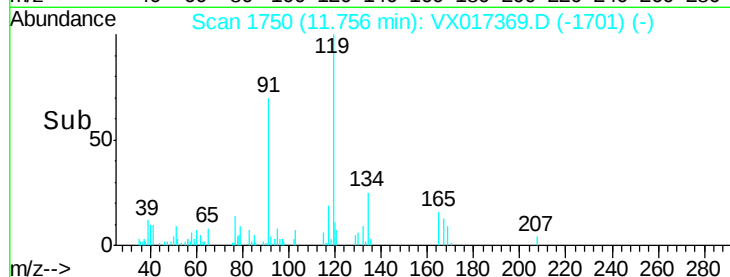
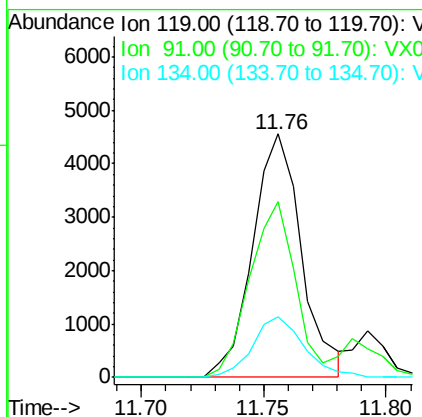
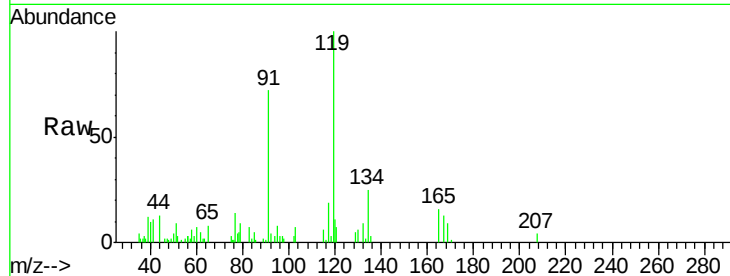
#83  
tert-Butylbenzene  
Concen: 0.583 ug/l  
RT: 11.76 min Scan# 1750  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.0  | 28.5  | 85.6  |
| 134     | 26.3  | 11.9  | 35.9  |

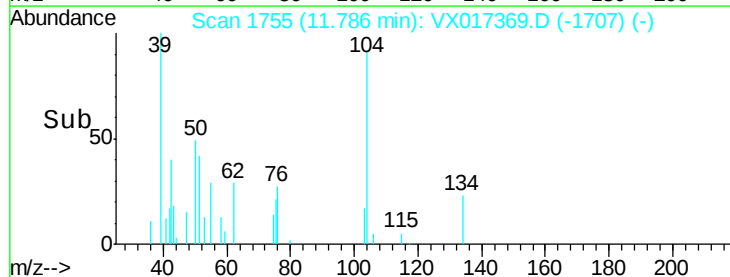
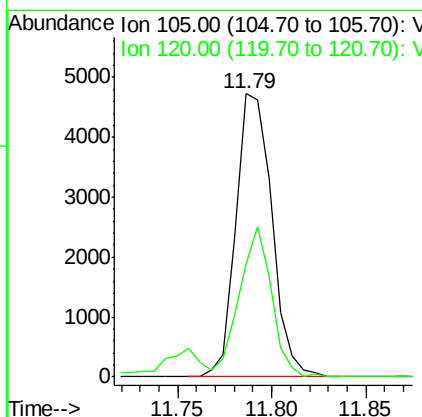
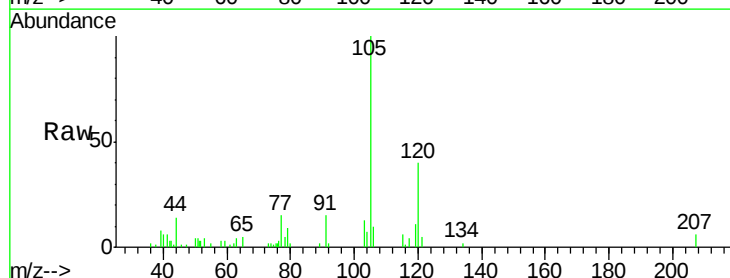
Manual Integrations  
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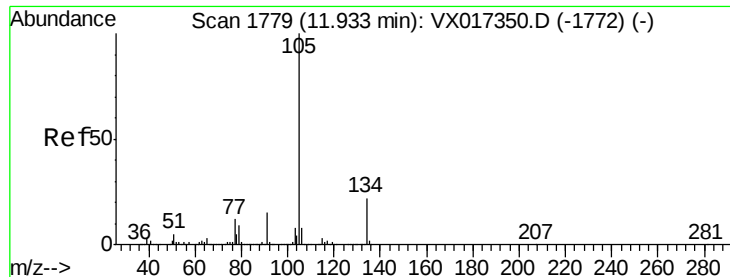
MMDadoda  
7/15/2020 11:43:11 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 0.547 ug/l  
RT: 11.79 min Scan# 1755  
Delta R.T. -0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.4  | 22.8  | 68.4  |





#85

sec-Butylbenzene

Concen: 0.579 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:105 Resp: 7414

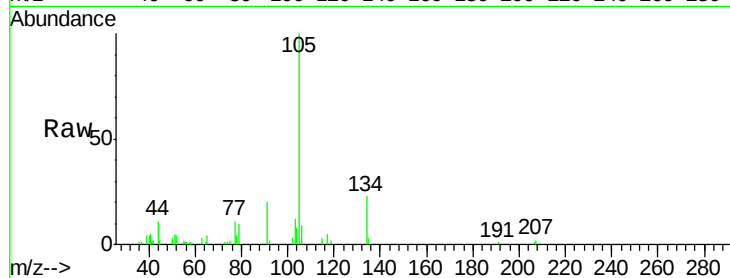
Ion Ratio Lower Upper

105 100

134 22.1 10.5 31.5

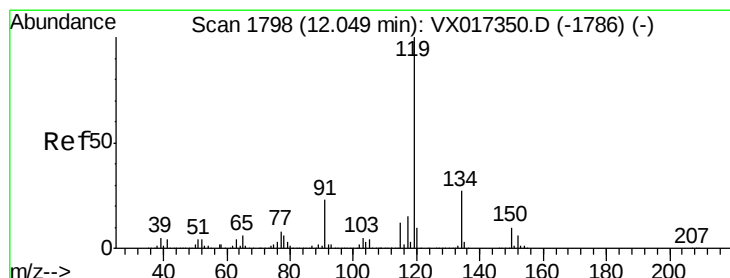
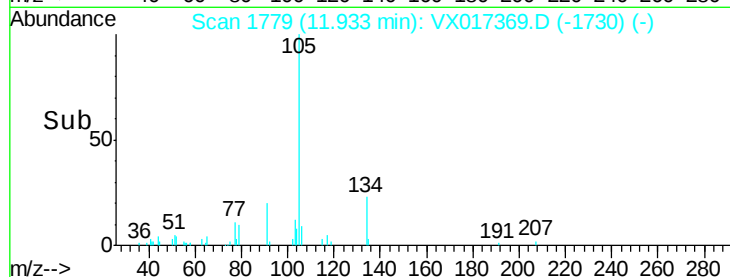
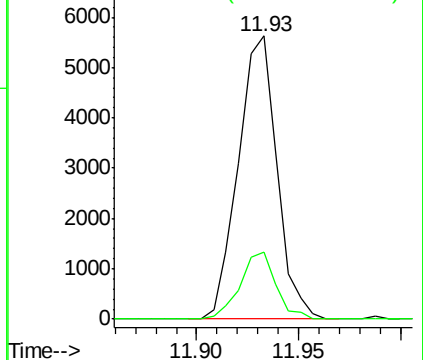
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.579 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017369.D

Acq: 14 Jul 2020 11:26

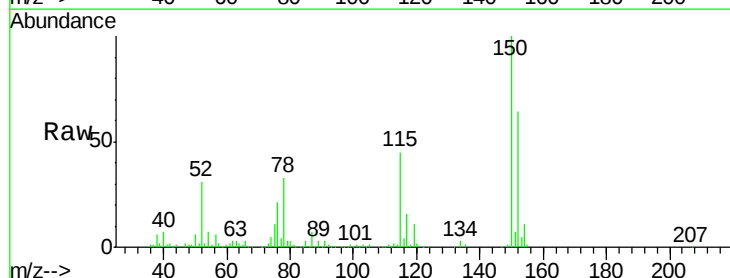
Tgt Ion:119 Resp: 7010

Ion Ratio Lower Upper

119 100

134 31.2 13.5 40.5

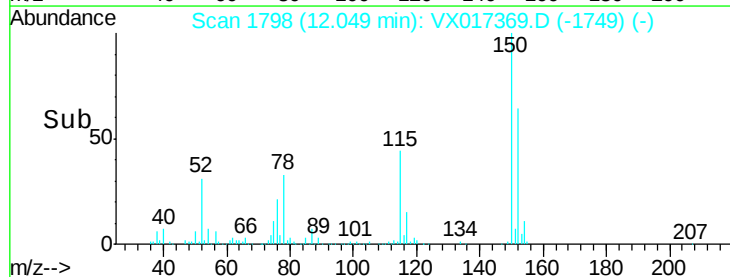
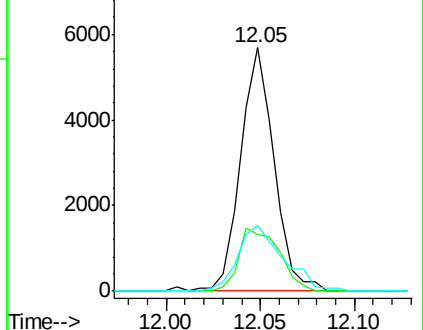
91 36.7 11.8 35.3#

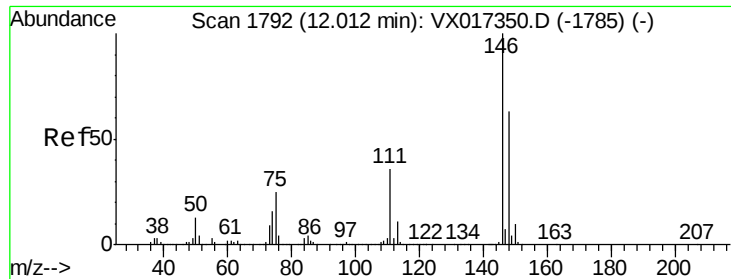


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





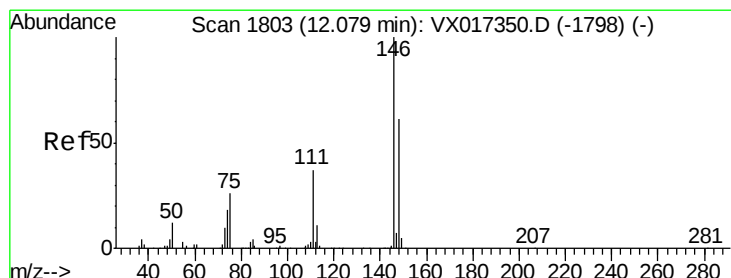
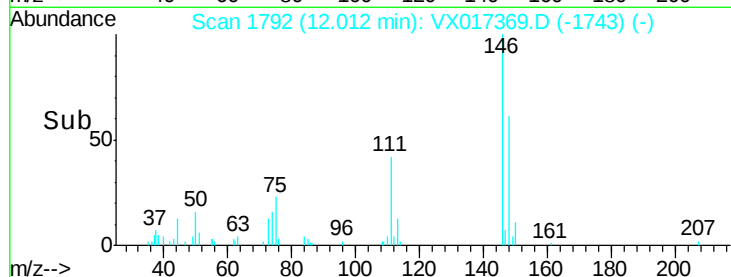
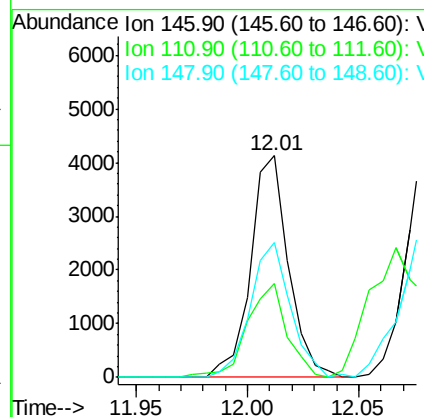
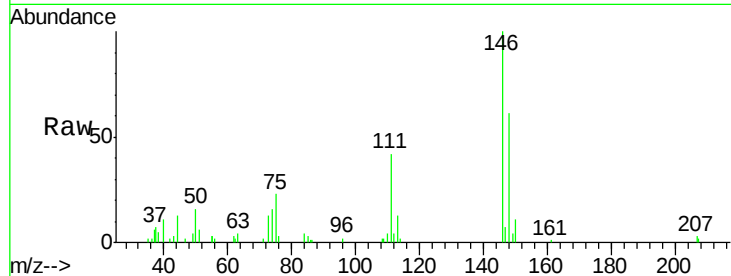
#87  
 1,3-Dichlorobenzene  
 Concen: 0.724 ug/l  
 RT: 12.01 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.1  | 19.2  | 57.6  |
| 148     | 64.8  | 31.6  | 95.0  |

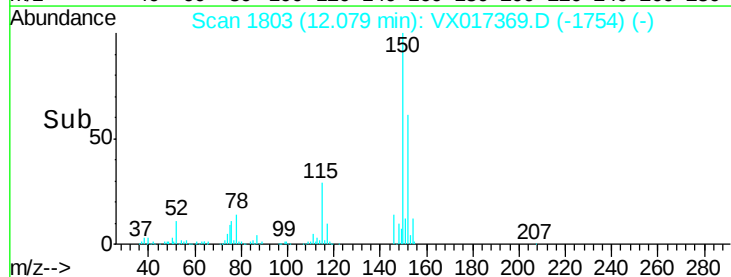
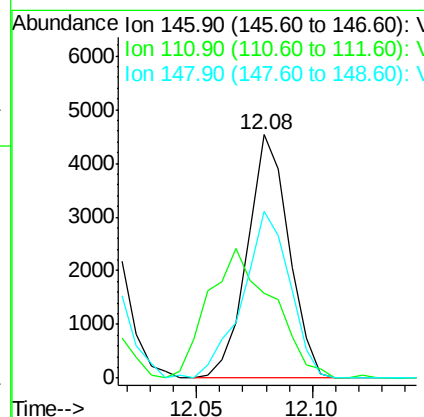
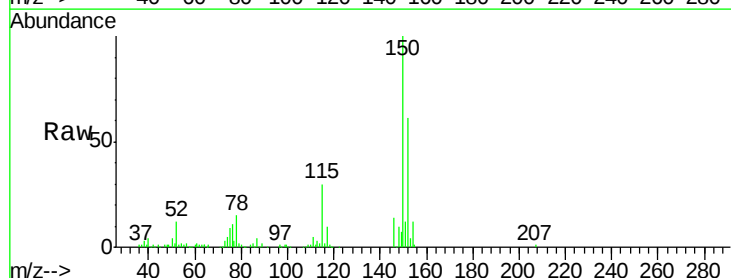
Manual Integrations  
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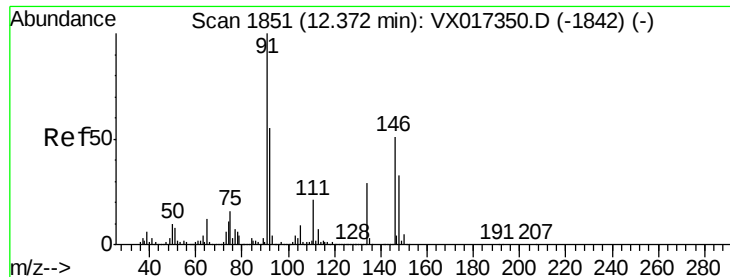
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 7/15/2020 11:43:11 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 0.827 ug/l m  
 RT: 12.08 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.3  | 18.9  | 56.9  |
| 148     | 56.2  | 31.9  | 95.9  |





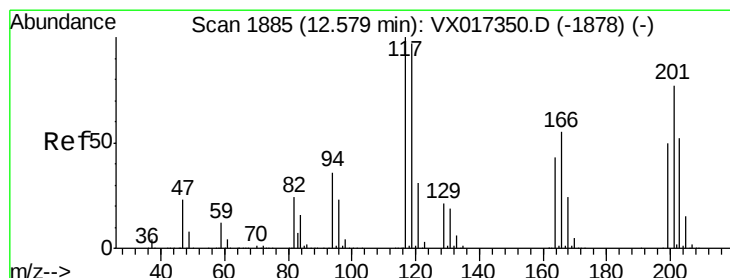
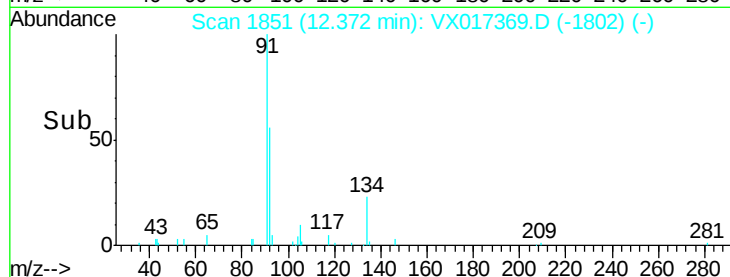
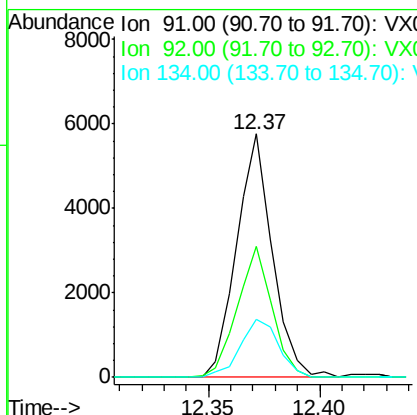
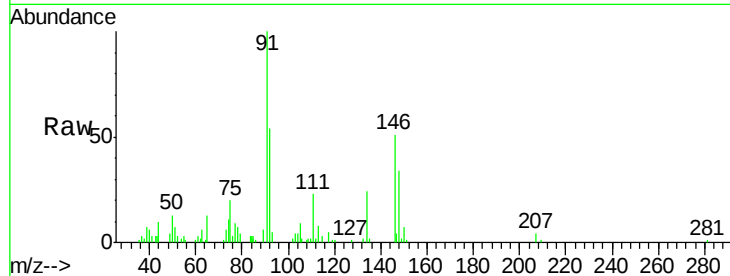
#89  
n-Butylbenzene  
Concen: 0.624 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.5  | 27.0  | 81.0  |
| 134     | 25.6  | 14.1  | 42.2  |

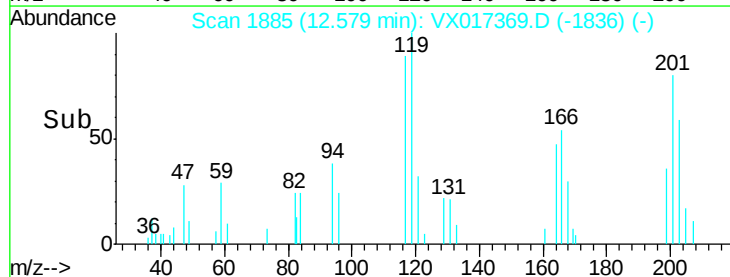
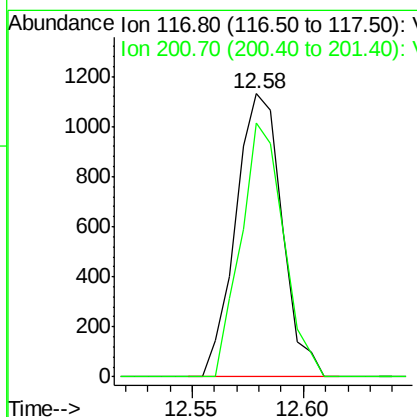
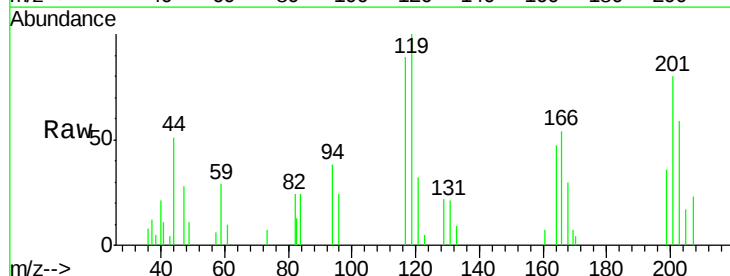
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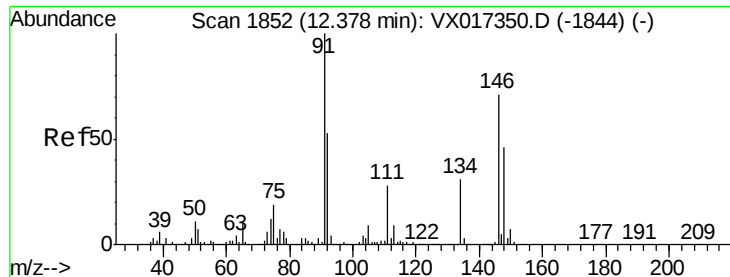
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#90  
Hexachloroethane  
Concen: 0.714 ug/l  
RT: 12.58 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 82.8  | 41.0  | 123.0 |





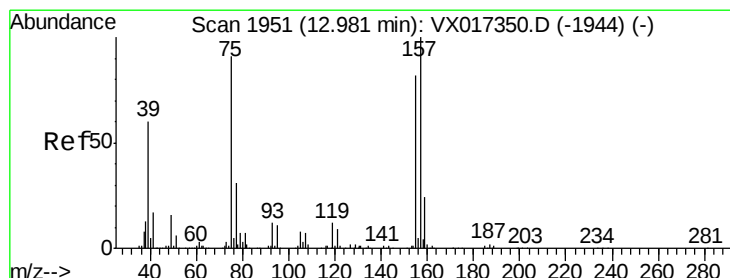
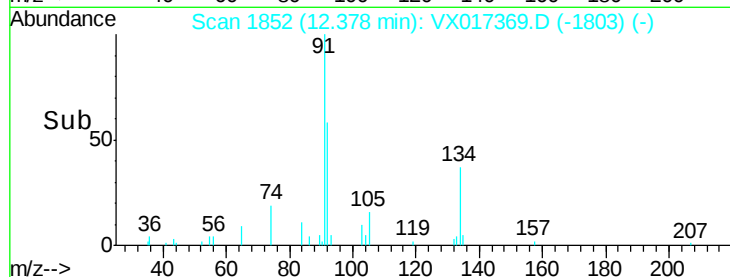
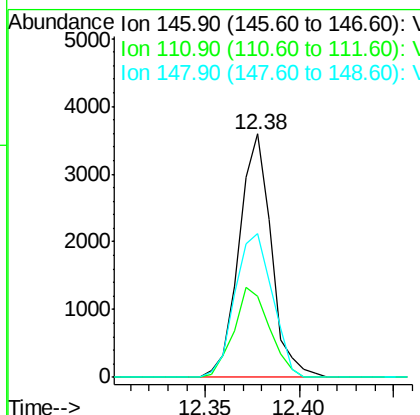
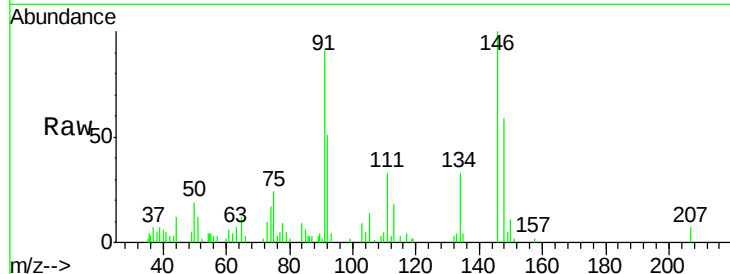
#91  
1,2-Dichlorobenzene  
Concen: 0.668 ug/l  
RT: 12.38 min Scan# 1852  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.1  | 20.3  | 61.0  |
| 148     | 68.8  | 32.0  | 96.0  |

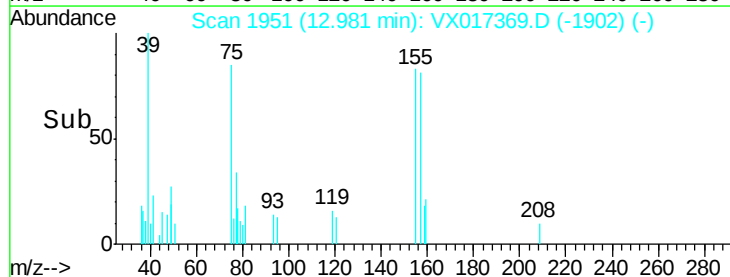
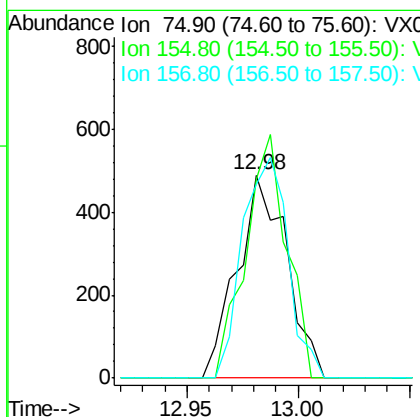
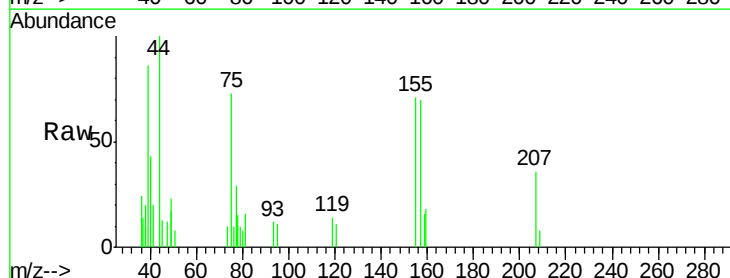
Manual Integrations  
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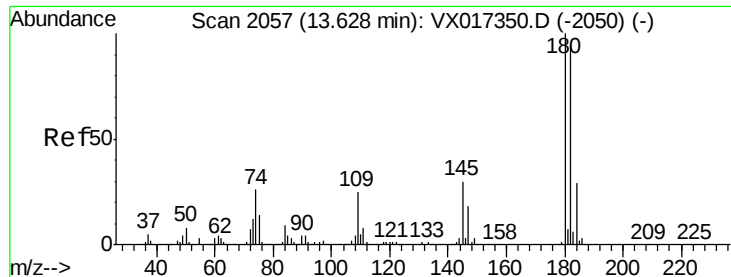
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#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.712 ug/l  
RT: 12.98 min Scan# 1951  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 98.8  | 46.5  | 139.3 |
| 157     | 100.3 | 58.0  | 173.9 |





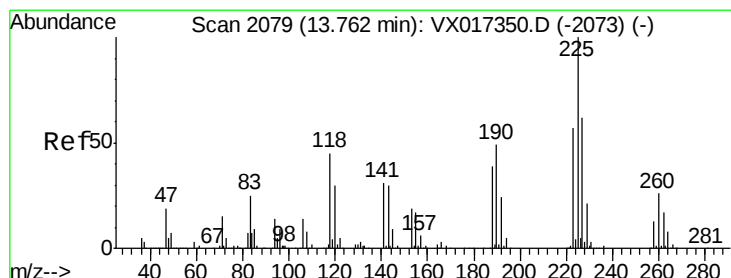
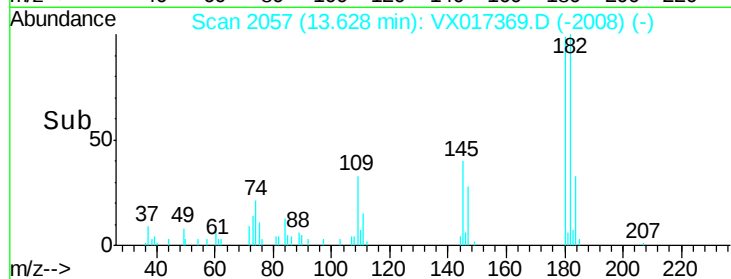
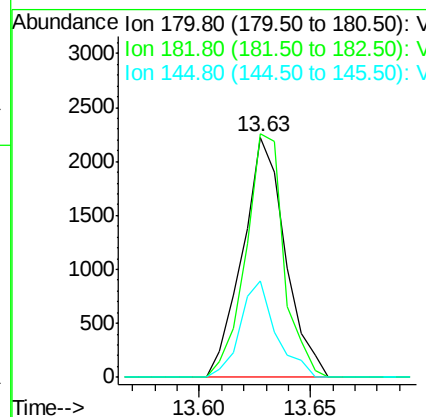
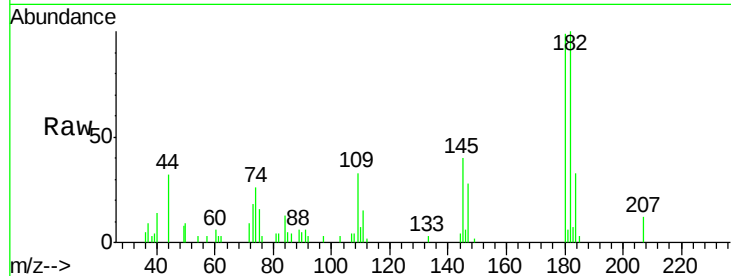
#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.671 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 90.2  | 48.4  | 145.0 |
| 145     | 33.7  | 15.3  | 45.8  |

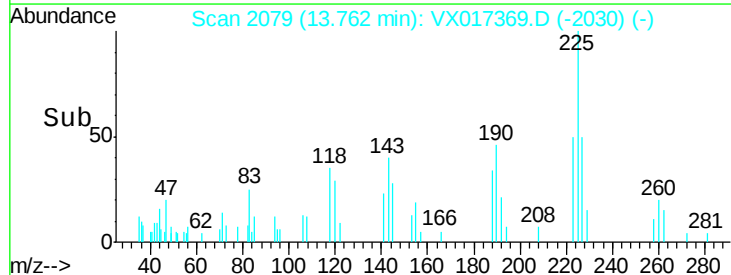
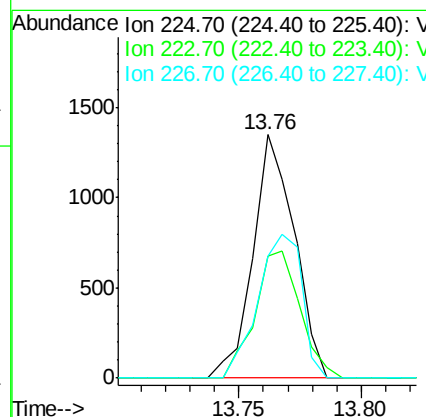
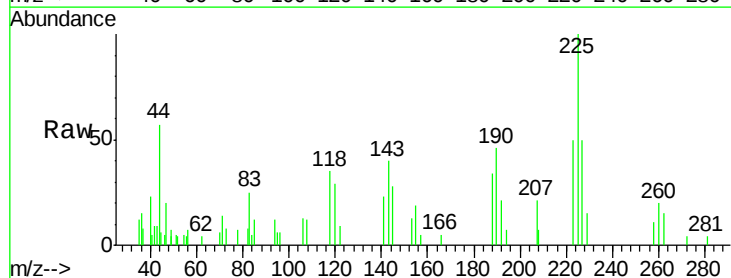
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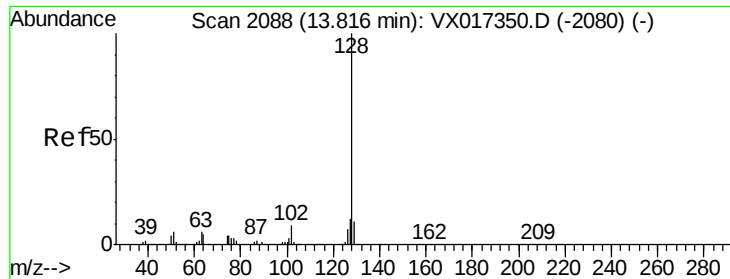
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#94  
 Hexachlorobutadiene  
 Concen: 0.884 ug/l  
 RT: 13.76 min Scan# 2079  
 Delta R.T. 0.00 min  
 Lab File: VX017369.D  
 Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 56.8  | 31.3  | 93.8  |
| 227     | 62.9  | 31.6  | 95.0  |





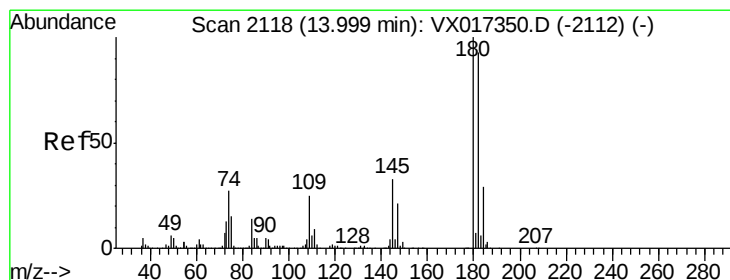
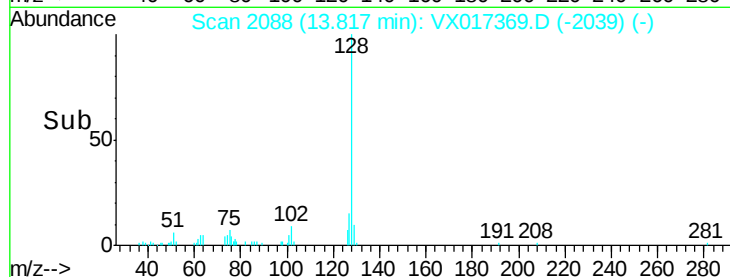
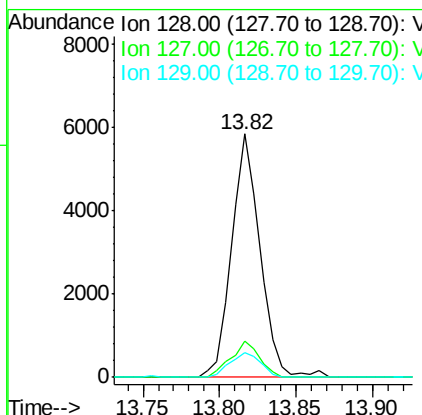
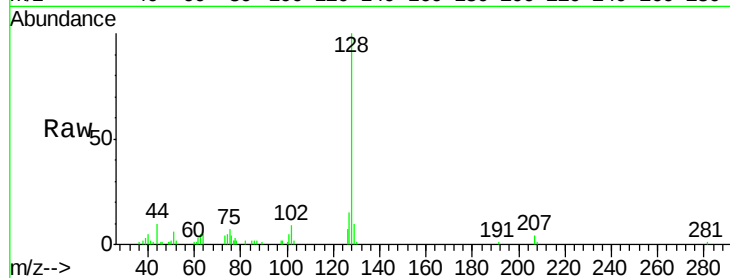
#95  
Naphthalene  
Concen: 0.580 ug/l  
RT: 13.82 min Scan# 2088  
Delta R.T. 0.00 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-WATER-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 15.0  | 10.2  | 15.4  |
| 129     | 10.9  | 8.9   | 13.3  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 0.663 ug/l  
RT: 14.01 min Scan# 2119  
Delta R.T. 0.01 min  
Lab File: VX017369.D  
Acq: 14 Jul 2020 11:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.8  | 48.8  | 146.3 |
| 145     | 34.8  | 16.6  | 49.7  |

