

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\  
 Data File : VX017370.D  
 Acq On : 14 Jul 2020 11:49  
 Operator : JC/SP  
 Sample : L3216-09 2.5PPB MDL  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

MMDadoda  
 7/15/2020 11:43:14 AM

Quant Time: Jul 15 03:01:39 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  | 300485   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 467422   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 430677   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 221035   | 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   | 177138   | 46.97 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.94% |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 144947   | 46.03 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.06% |          |
| 50) Toluene-d8              | 8.70  | 98   | 505393   | 44.50 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.00% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 184006   | 40.79 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 81.58% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85   | 5649     | 2.222  | ug/l   | 96     |
| 3) Chloromethane              | 1.32 | 50   | 6261     | 2.187  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.39 | 62   | 6462     | 2.282  | ug/l   | 95     |
| 5) Bromomethane               | 1.63 | 94   | 5792     | 3.142  | ug/l   | 83     |
| 6) Chloroethane               | 1.72 | 64   | 4684     | 2.620  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 11870    | 2.483  | ug/l   | 91     |
| 8) Diethyl Ether              | 2.17 | 74   | 3976     | 2.353  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101  | 6745     | 2.477  | ug/l   | 99     |
| 10) Methyl Iodide             | 2.50 | 142  | 5785     | 1.752  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 3.01 | 59   | 7698     | 12.115 | ug/l   | 95     |
| 12) 1,1-Dichloroethene        | 2.36 | 96   | 6094     | 2.229  | ug/l   | 84     |
| 13) Acrolein                  | 2.28 | 56   | 3613     | 10.373 | ug/l   | 85     |
| 14) Allyl chloride            | 2.71 | 41   | 11736    | 2.477  | ug/l   | 97     |
| 15) Acrylonitrile             | 3.12 | 53   | 18947    | 12.301 | ug/l   | 97     |
| 16) Acetone                   | 2.42 | 43   | 16873    | 12.541 | ug/l   | 97     |
| 17) Carbon Disulfide          | 2.55 | 76   | 19852    | 2.489  | ug/l # | 95     |
| 18) Methyl Acetate            | 2.75 | 43   | 8334     | 2.508  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 3.17 | 73   | 21781    | 2.346  | ug/l   | 93     |
| 20) Methylene Chloride        | 2.83 | 84   | 8028     | 2.446  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96   | 7682     | 2.455  | ug/l # | 79     |
| 22) Diisopropyl ether         | 3.82 | 45   | 22287    | 2.469  | ug/l   | 98     |
| 23) Vinyl Acetate             | 3.79 | 43   | 89064    | 11.220 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 3.67 | 63   | 13108    | 2.471  | ug/l   | 98     |
| 25) 2-Butanone                | 4.64 | 43   | 24578    | 11.501 | ug/l   | 92     |
| 26) 2,2-Dichloropropane       | 4.56 | 77   | 12262    | 2.484  | ug/l   | 91     |
| 27) cis-1,2-Dichloroethene    | 4.56 | 96   | 8278     | 2.413  | ug/l   | 96     |
| 28) Bromochloromethane        | 4.98 | 49   | 5997     | 2.447  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 5.10 | 42   | 16834    | 12.169 | ug/l   | 96     |
| 30) Chloroform                | 5.17 | 83   | 13876    | 2.431  | ug/l   | 96     |
| 31) Cyclohexane               | 5.55 | 56   | 10092    | 2.324  | ug/l   | 92     |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97   | 13153    | 2.493  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 5.78 | 75   | 10290    | 2.393  | ug/l   | 97     |
| 37) Ethyl Acetate             | 4.79 | 43   | 10310    | 2.319  | ug/l # | 79     |
| 38) Carbon Tetrachloride      | 5.76 | 117  | 11316    | 2.248  | ug/l   | 98     |

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 Sample : L3216-09 2.5PPB MDL  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

MMDadoda  
 7/15/2020 11:43:14 AM

Quant Time: Jul 15 03:01:39 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          | 7.43  | 83   | 10524    | 2.254  | ug/l   | 98       |
| 40) Benzene                    | 6.11  | 78   | 28565    | 2.312  | ug/l # | 90       |
| 41) Methacrylonitrile          | 5.00  | 41   | 5675     | 2.377  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.17  | 62   | 12300    | 2.562  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 6.42  | 43   | 16593    | 2.335  | ug/l   | 98       |
| 44) Trichloroethene            | 7.19  | 130  | 9182     | 2.433  | ug/l   | 88       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 7669     | 2.426  | ug/l   | 90       |
| 46) Dibromomethane             | 7.63  | 93   | 5580     | 2.447  | ug/l   | 94       |
| 47) Bromodichloromethane       | 7.88  | 83   | 10747    | 2.254  | ug/l   | 97       |
| 48) Methyl methacrylate        | 7.75  | 41   | 6910     | 2.027  | ug/l   | 92       |
| 49) 1,4-Dioxane                | 7.72  | 88   | 3377     | 48.401 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 47221    | 10.900 | ug/l   | 100      |
| 52) Toluene                    | 8.76  | 92   | 19351    | 2.440  | ug/l   | 90       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 12040    | 2.344  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 11937    | 2.179  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 8110     | 2.453  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 9458     | 2.015  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 13403    | 2.437  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 23371    | 9.805  | ug/l   | 98       |
| 59) 2-Hexanone                 | 9.48  | 43   | 33206    | 10.156 | ug/l   | 96       |
| 60) Dibromochloromethane       | 9.56  | 129  | 8738     | 2.163  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 8102     | 2.253  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.32  | 164  | 9868     | 2.647  | ug/l   | 95       |
| 65) Chlorobenzene              | 10.12 | 112  | 21247    | 2.428  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.20 | 131  | 8201     | 2.354  | ug/l   | 96       |
| 67) Ethyl Benzene              | 10.23 | 91   | 32071    | 2.201  | ug/l   | 95       |
| 68) m/p-Xylenes                | 10.34 | 106  | 24300    | 4.383  | ug/l   | 94       |
| 69) o-Xylene                   | 10.68 | 106  | 11281    | 2.130  | ug/l   | 98       |
| 70) Styrene                    | 10.70 | 104  | 18471    | 2.031  | ug/l   | 96       |
| 71) Bromoform                  | 10.84 | 173  | 6694     | 2.277  | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.00 | 105  | 29327    | 2.117  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.88 | 43   | 11156    | 2.012  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 10790    | 2.565  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 10919m   | 2.673  | ug/l   |          |
| 77) Bromobenzene               | 11.24 | 156  | 9891     | 2.506  | ug/l   | 96       |
| 78) n-propylbenzene            | 11.34 | 91   | 35639    | 2.290  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 24091    | 2.512  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 24977    | 2.124  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 3370     | 2.093  | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 24907    | 2.192  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 24334    | 2.140  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 23899    | 2.011  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 27658    | 2.078  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 25552    | 2.029  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 16720    | 2.368  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 17542    | 2.459  | ug/l   | 87       |
| 89) n-Butylbenzene             | 12.37 | 91   | 21385    | 1.991  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.58 | 117  | 5724     | 2.394  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 16160    | 2.436  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 2634     | 2.373  | ug/l   | 93       |

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Sample : L3216-09 2.5PPB MDL  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations  
APPROVED

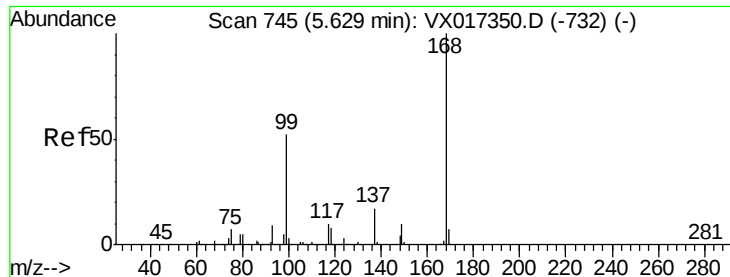
MMDadoda  
7/15/2020 11:43:14 AM

Quant Time: Jul 15 03:01:39 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  | 9479     | 2.058 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.76 | 225  | 4844     | 2.579 | ug/l  | 92       |
| 95) Naphthalene            | 13.82 | 128  | 25080    | 1.852 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 9198     | 2.068 | ug/l  | 95       |

(#) = 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: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:168 Resp: 300485

Ion Ratio Lower Upper

168 100

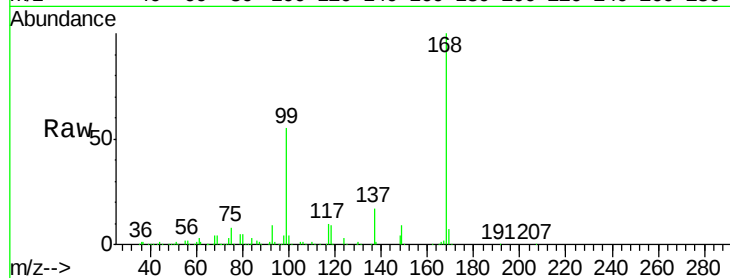
99 54.7 41.6 62.4

Manual Integrations

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7/15/2020 11:43:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

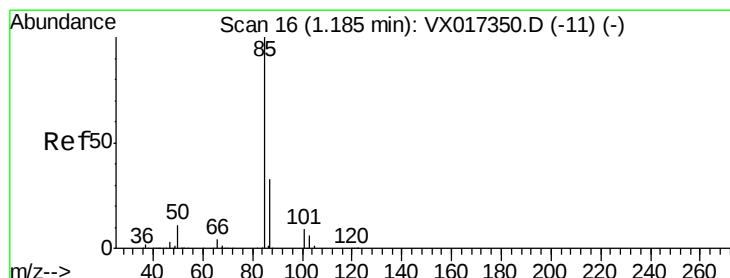
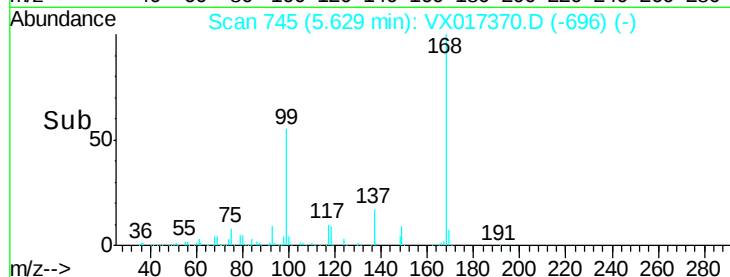
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.222 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017370.D

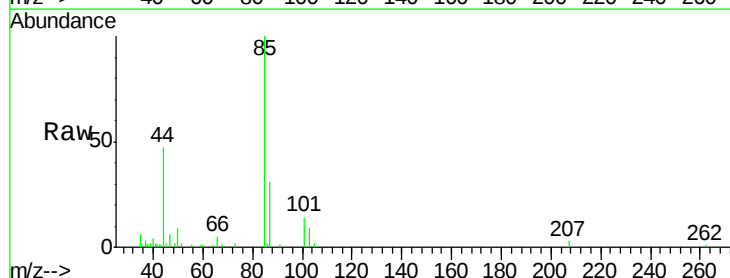
Acq: 14 Jul 2020 11:49

Tgt Ion: 85 Resp: 5649

Ion Ratio Lower Upper

85 100

87 30.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

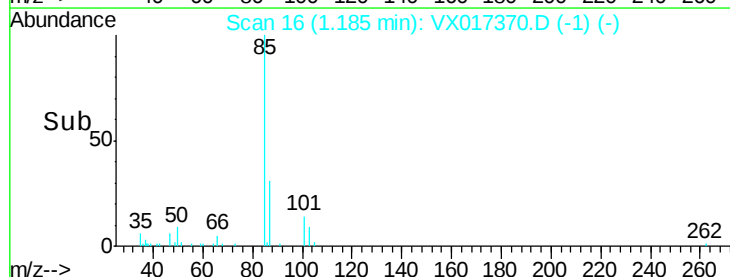
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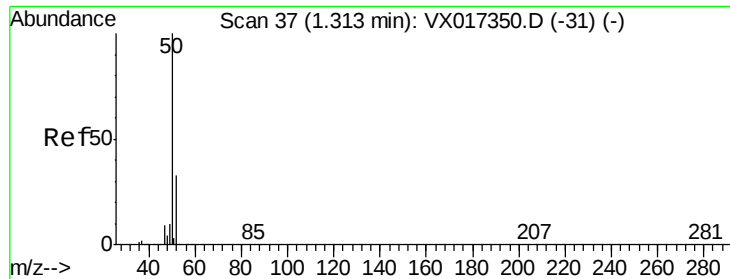
4000

2000

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Time-->





#3

Chloromethane

Concen: 2.187 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 50 Resp: 6261

Ion Ratio Lower Upper

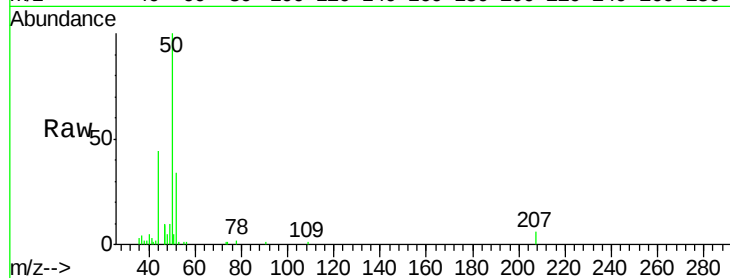
50 100

52 32.5 26.7 40.1

Manual Integrations  
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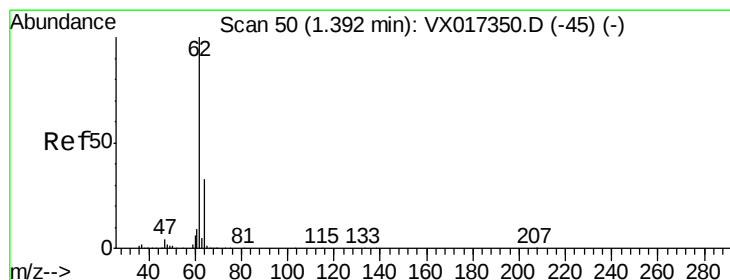
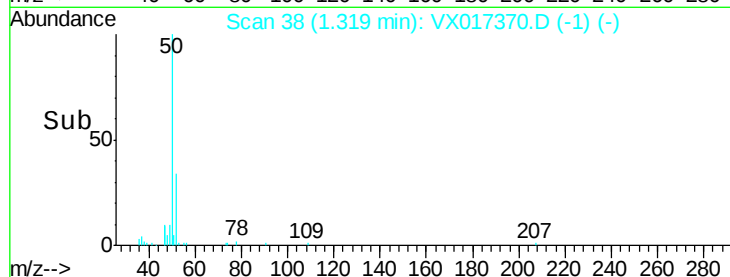
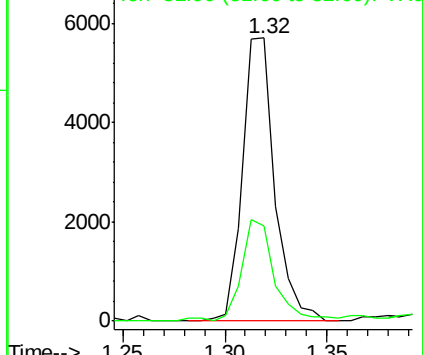
MMDadoda

7/15/2020 11:43:14 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.282 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017370.D

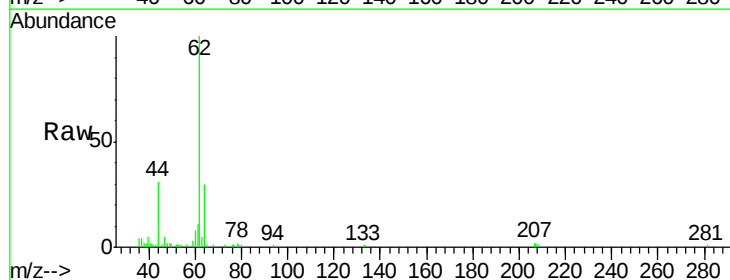
Acq: 14 Jul 2020 11:49

Tgt Ion: 62 Resp: 6462

Ion Ratio Lower Upper

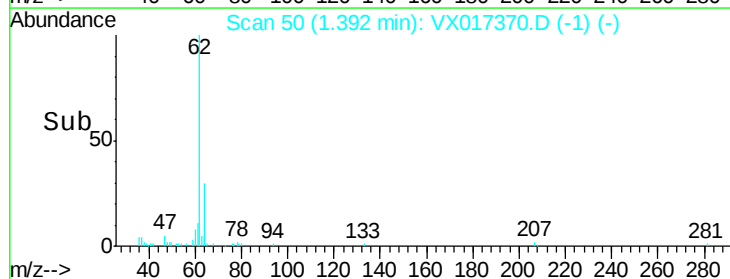
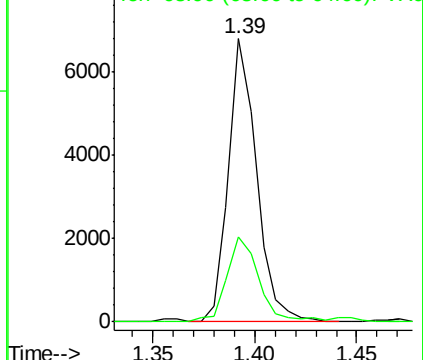
62 100

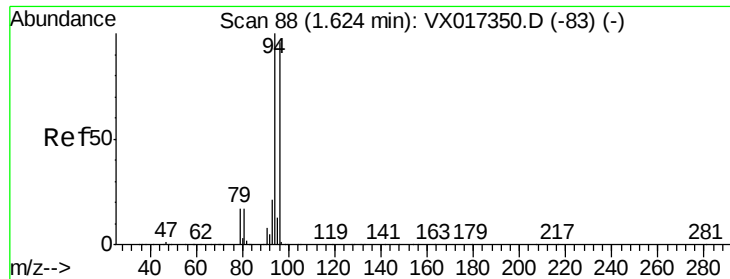
64 29.9 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.142 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

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ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 94 Resp: 5792

Ion Ratio Lower Upper

94 100

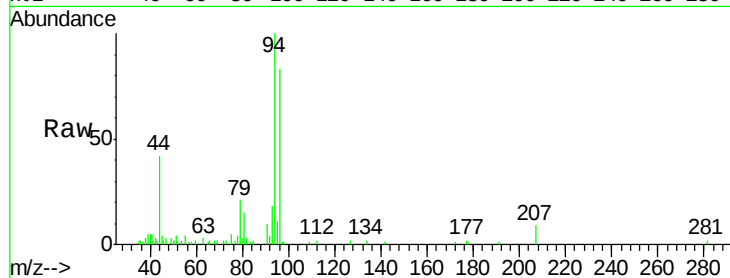
96 79.3 76.6 115.0

Manual Integrations

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7/15/2020 11:43:14 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

4000

3000

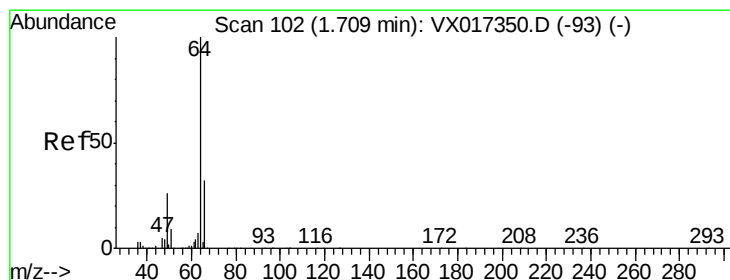
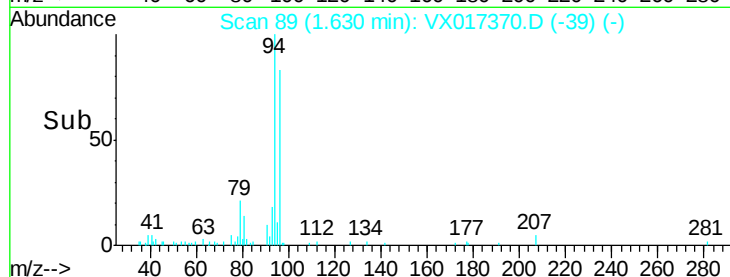
2000

1000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 2.620 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017370.D

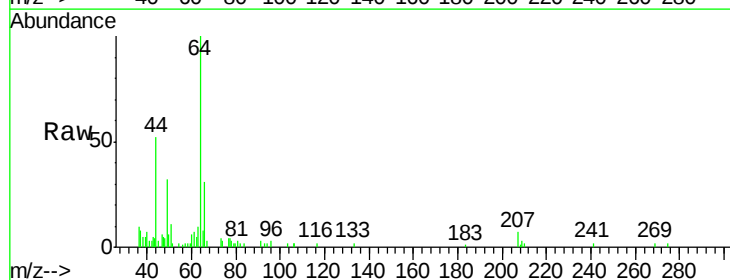
Acq: 14 Jul 2020 11:49

Tgt Ion: 64 Resp: 4684

Ion Ratio Lower Upper

64 100

66 31.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

4000

3000

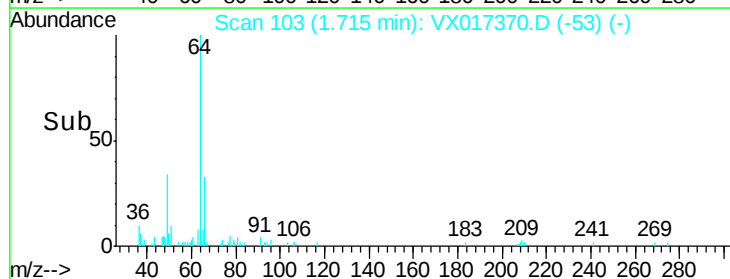
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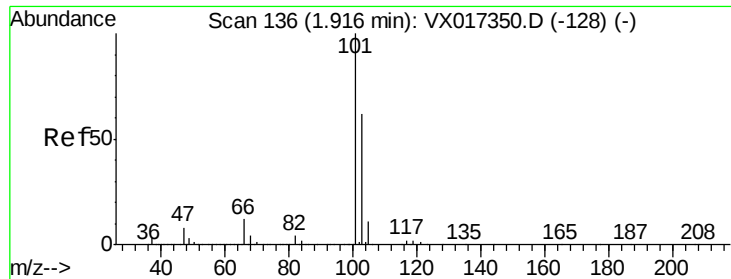
1000

0

1.65 1.70 1.75

Time-->





#7

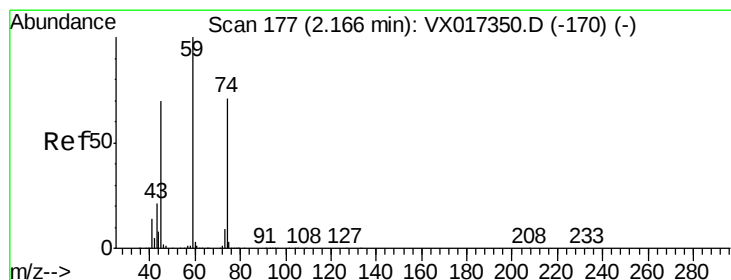
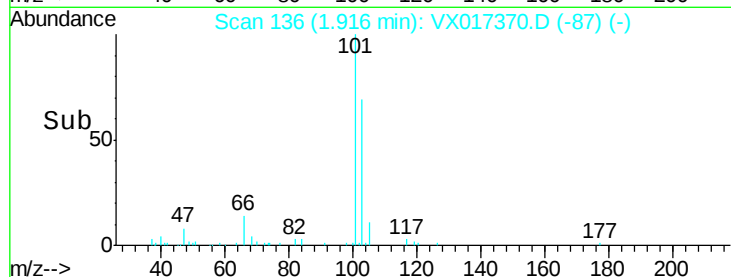
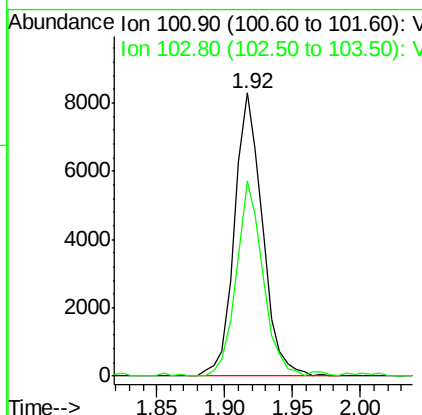
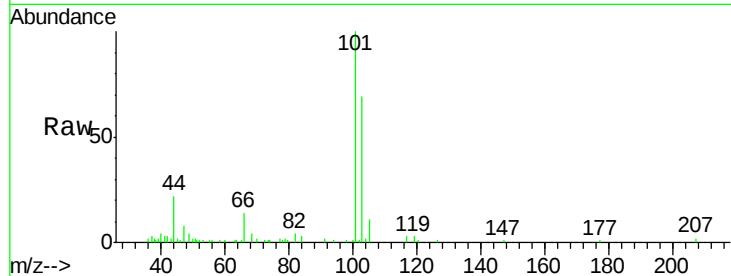
Trichlorofluoromethane  
Concen: 2.483 ug/l  
RT: 1.92 min Scan# 136  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 69.1  | 49.6  | 74.4  |

Manual Integrations  
APPROVED

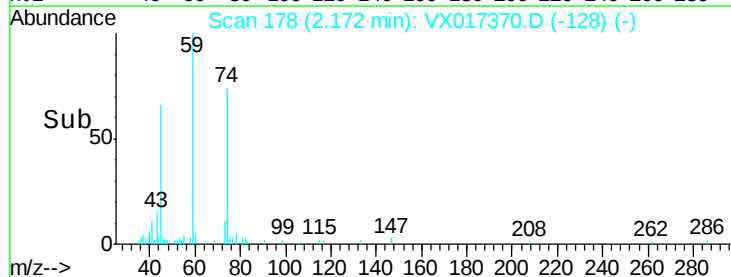
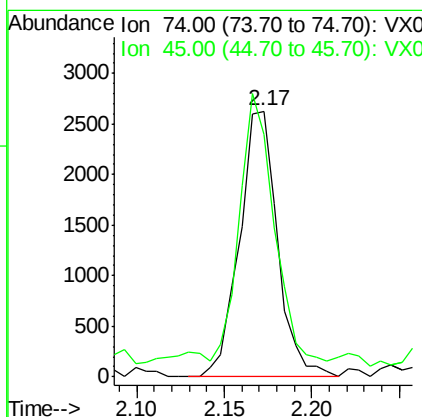
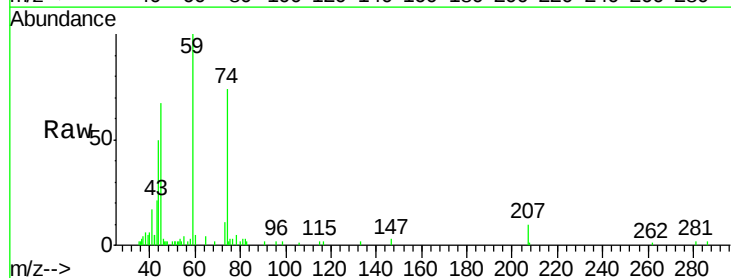
MMDadoda  
7/15/2020 11:43:14 AM

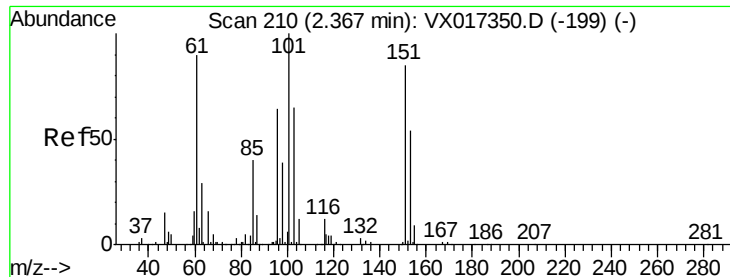


#8

Diethyl Ether  
Concen: 2.353 ug/l  
RT: 2.17 min Scan# 178  
Delta R.T. 0.01 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 93.5  | 47.2  | 141.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.477 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

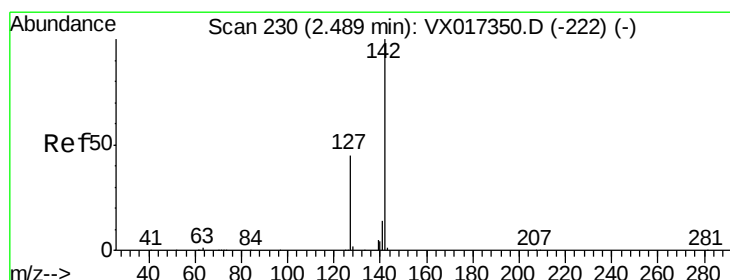
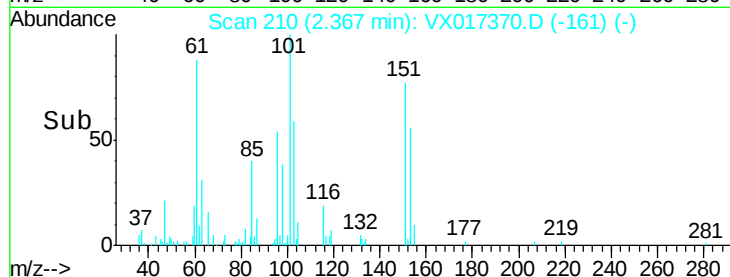
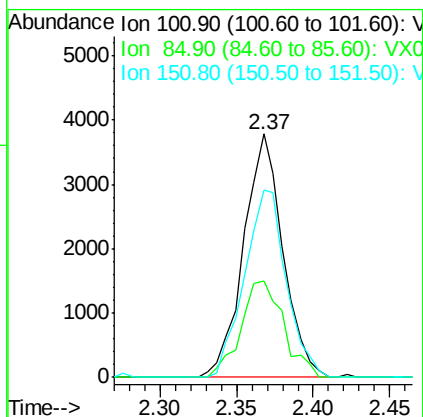
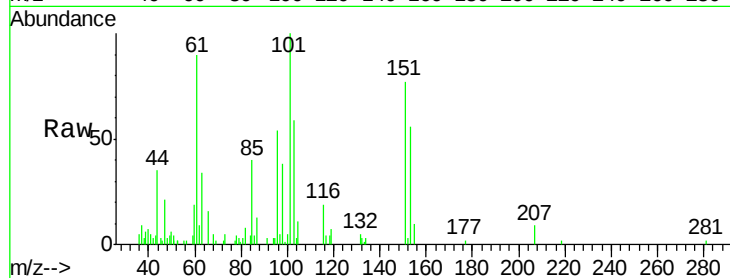
ClientSampleId :

MDL-WATER-03-QT3-2020

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 101   | Resp: | 6745 |
| Ion Ratio | Lower | Upper |      |
| 101       | 100   |       |      |
| 85        | 42.9  | 33.7  | 50.5 |
| 151       | 82.1  | 66.4  | 99.6 |

Manual Integrations  
APPROVED

MMDadoda  
7/15/2020 11:43:14 AM



#10

Methyl Iodide

Concen: 1.752 ug/l

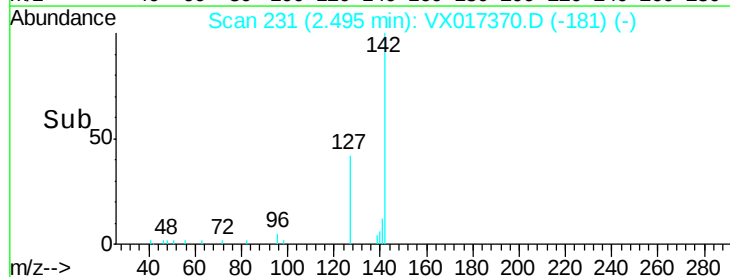
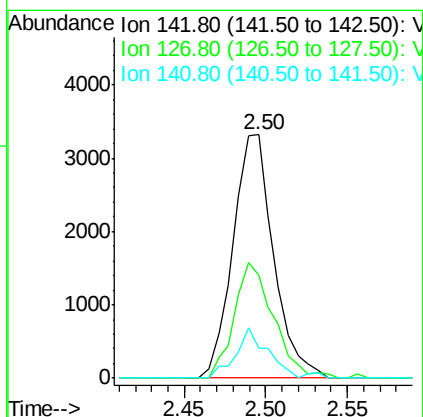
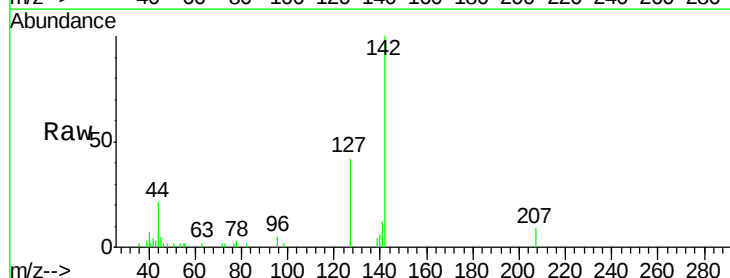
RT: 2.50 min Scan# 231

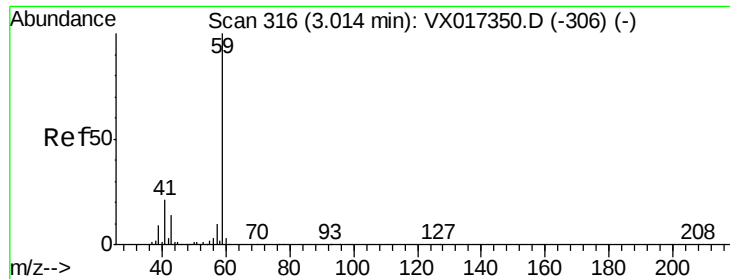
Delta R.T. 0.01 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 142   | Resp: | 5785 |
| Ion Ratio | Lower | Upper |      |
| 142       | 100   |       |      |
| 127       | 45.8  | 36.8  | 55.2 |
| 141       | 15.8  | 11.4  | 17.0 |





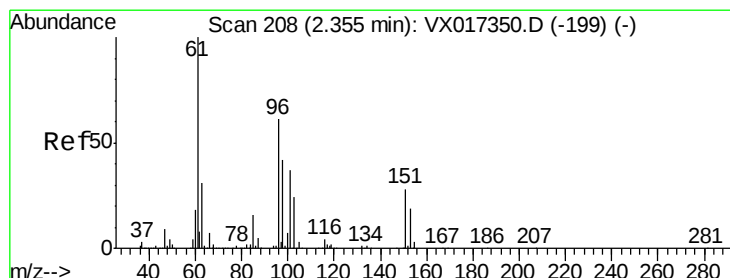
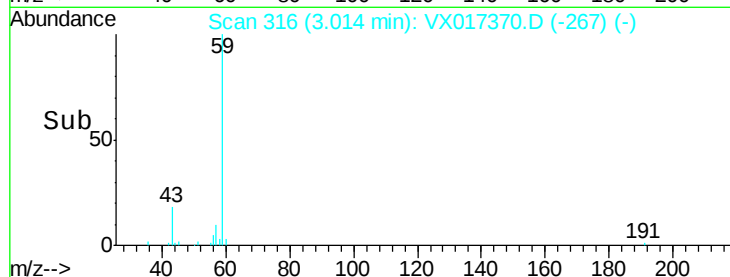
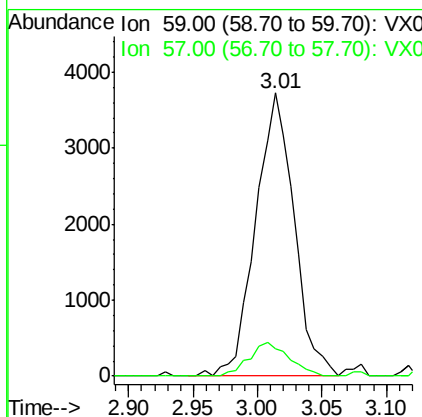
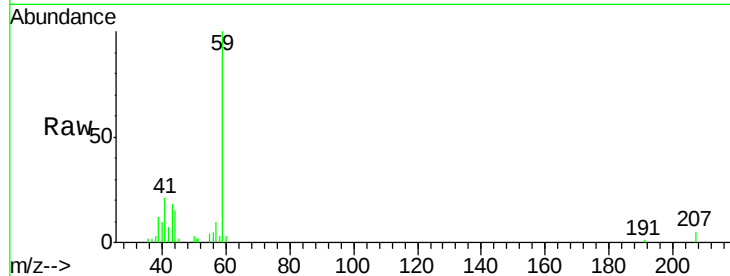
#11  
Tert butyl alcohol  
Concen: 12.115 ug/l  
RT: 3.01 min Scan# 316  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 59      | 100   | 7698 |       |       |
| 57      | 12.3  |      | 8.3   | 12.5  |

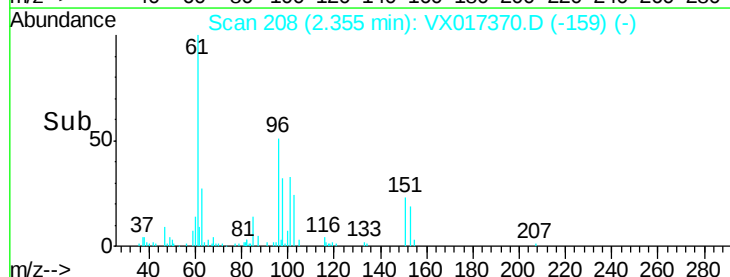
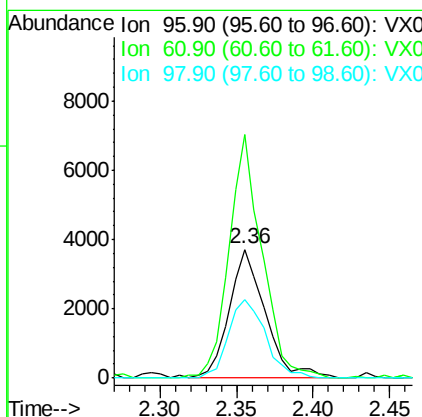
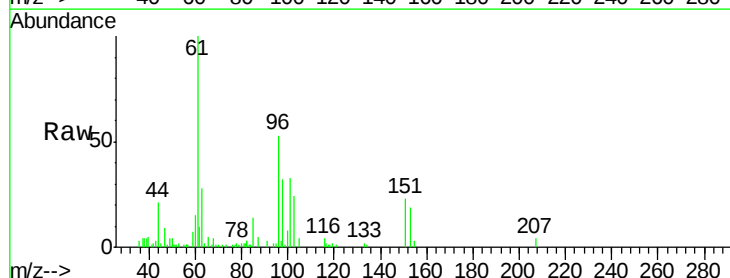
Manual Integrations  
APPROVED

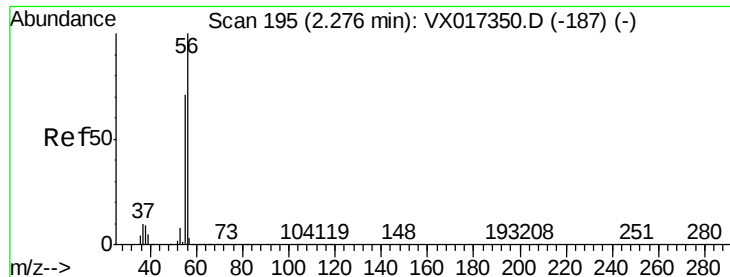
MMDadoda  
7/15/2020 11:43:14 AM



#12  
1,1-Dichloroethene  
Concen: 2.229 ug/l  
RT: 2.36 min Scan# 208  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   | 6094 |       |       |
| 61      | 189.0 |      | 131.5 | 197.3 |
| 98      | 60.6  |      | 55.1  | 82.7  |





#13

Acrolein

Concen: 10.373 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 56 Resp: 3613

Ion Ratio Lower Upper

56 100

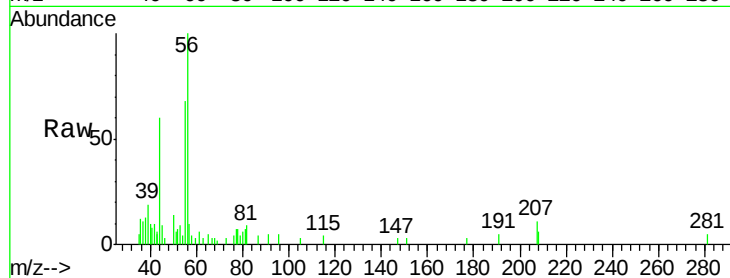
55 59.0 57.1 85.7

Manual Integrations

APPROVED

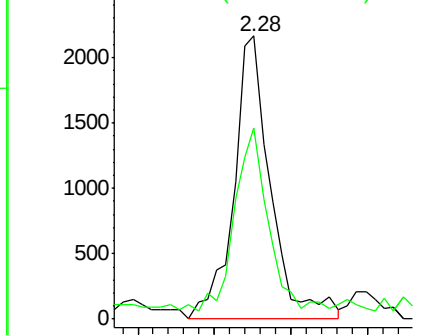
MMDadoda

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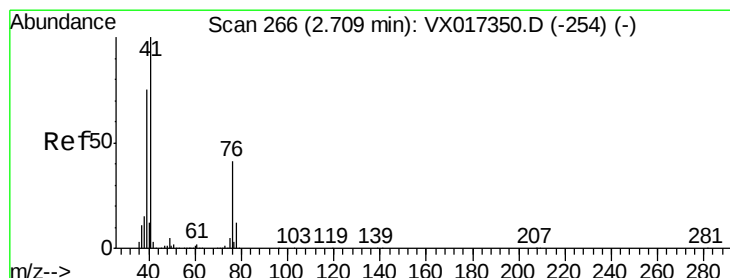
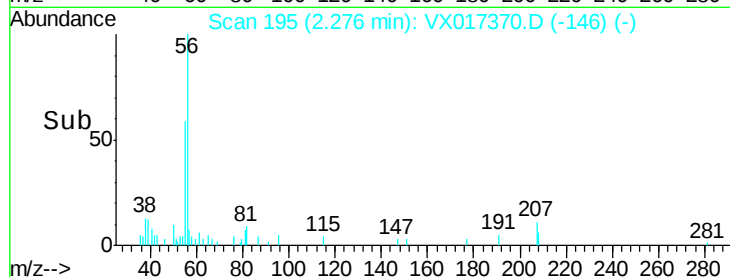


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 2.477 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

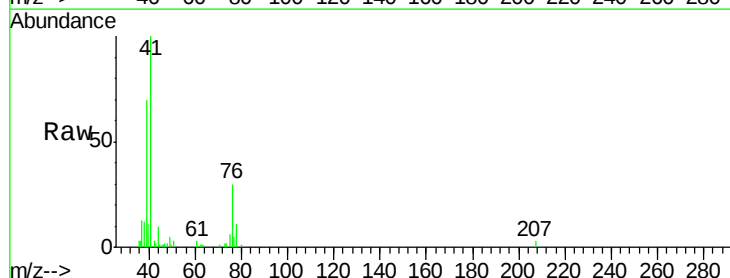
Tgt Ion: 41 Resp: 11736

Ion Ratio Lower Upper

41 100

39 67.6 53.0 79.4

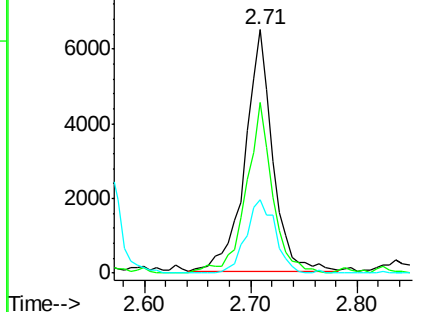
76 32.3 28.2 42.2



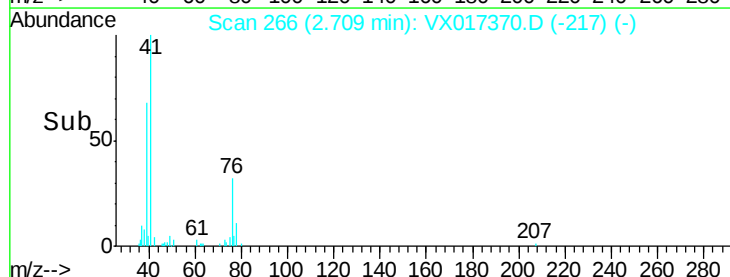
Abundance Ion 41.00 (40.70 to 41.70): VX0

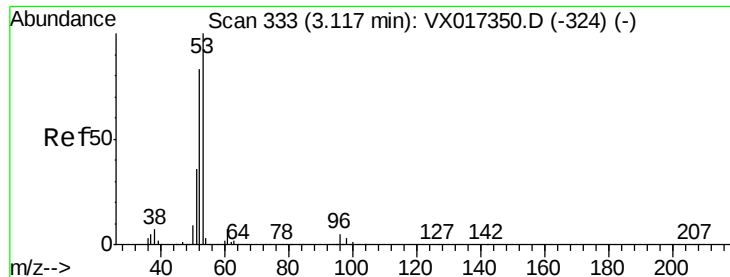
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->





#15

Acrylonitrile

Concen: 12.301 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

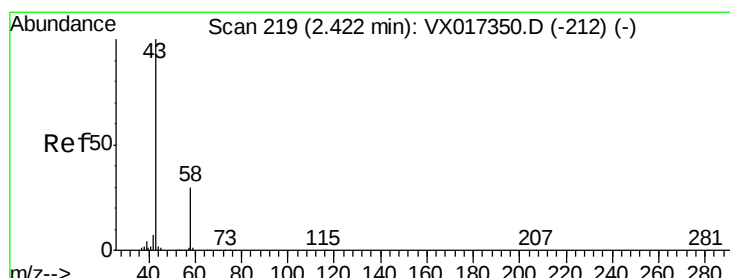
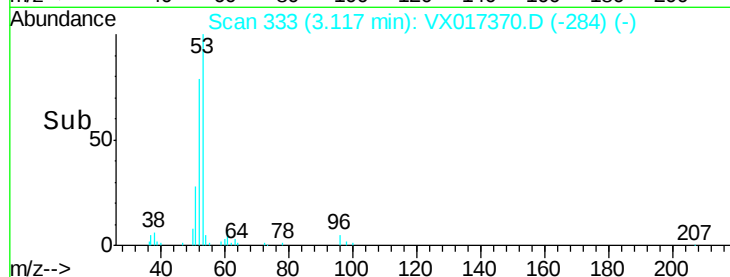
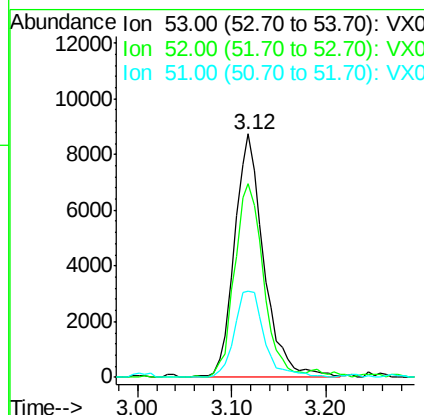
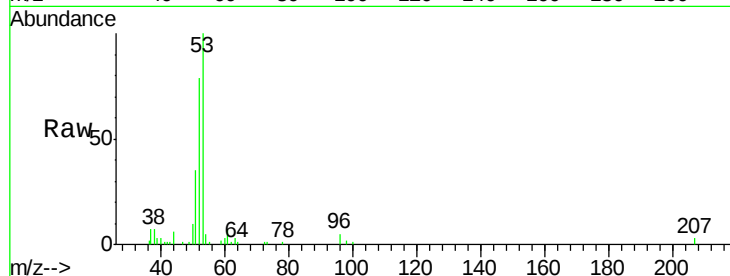
ClientSampleId :

MDL-WATER-03-QT3-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 18947 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 78.1  | 65.8  | 98.6  |
| 51       | 36.3  | 29.2  | 43.8  |

Manual Integrations  
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#16

Acetone

Concen: 12.541 ug/l

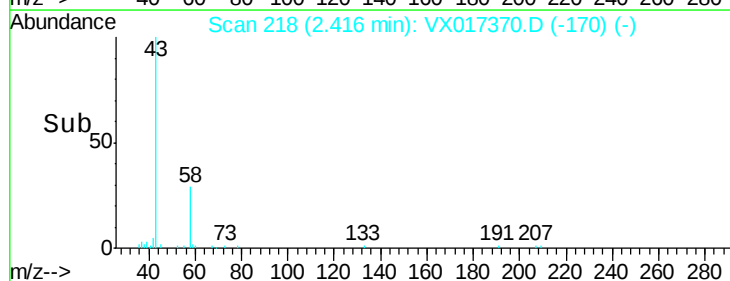
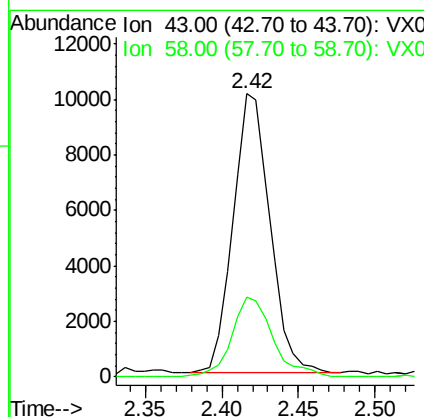
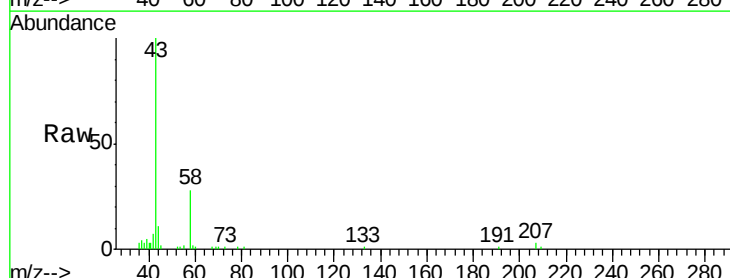
RT: 2.42 min Scan# 218

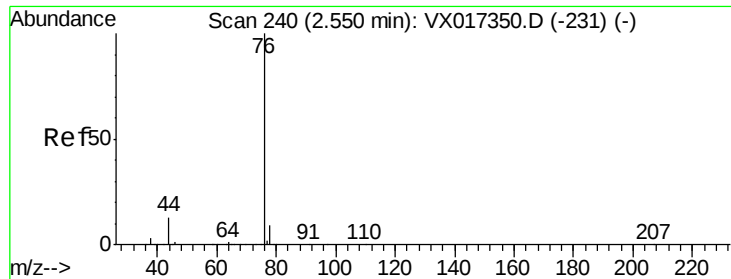
Delta R.T. -0.01 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 16873 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.8  | 24.2  | 36.2  |





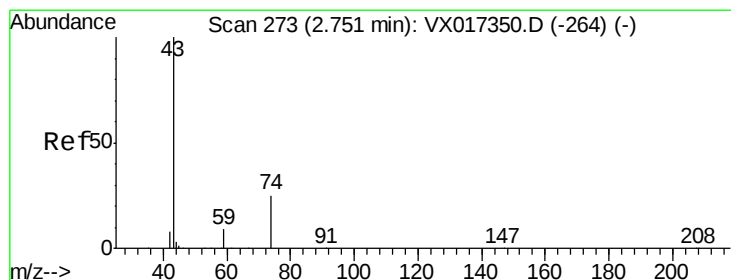
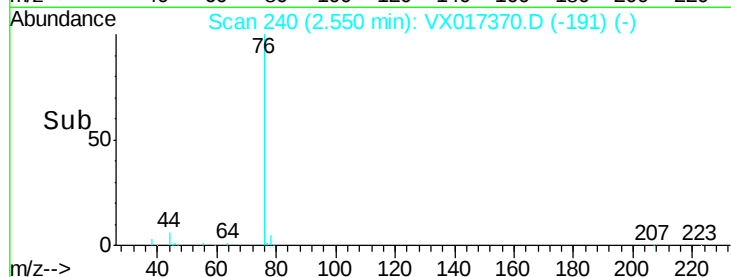
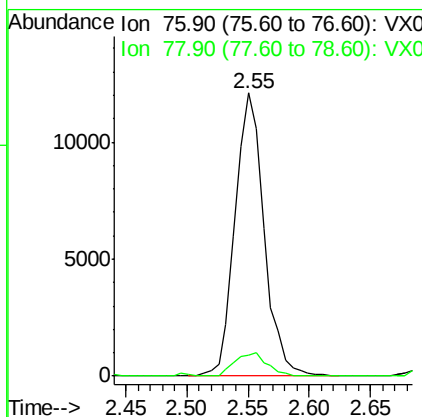
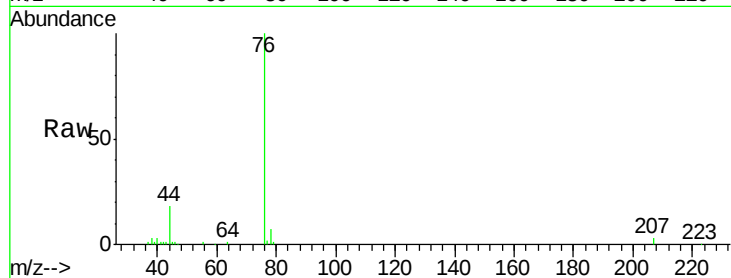
#17  
Carbon Disulfide  
Concen: 2.489 ug/l  
RT: 2.55 min Scan# 240  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

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

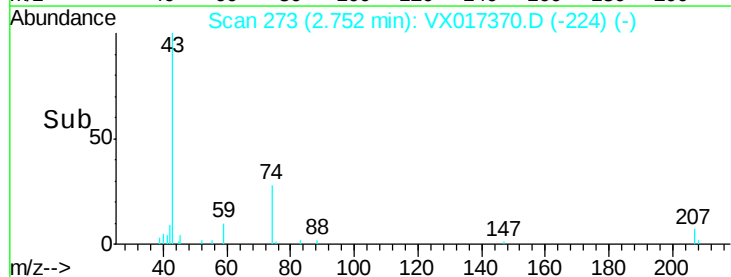
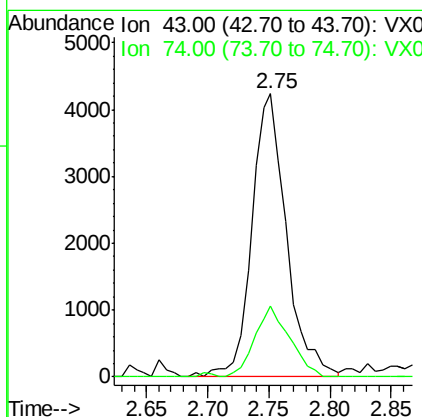
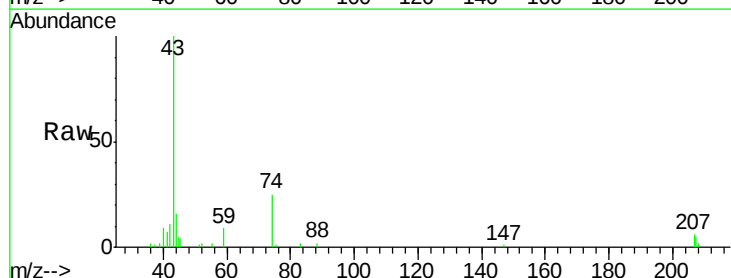
Manual Integrations  
APPROVED

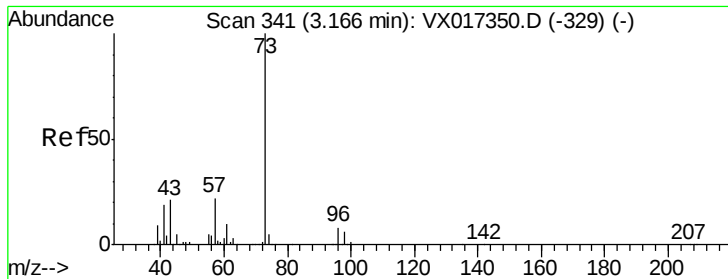
MMDadoda  
7/15/2020 11:43:14 AM



#18  
Methyl Acetate  
Concen: 2.508 ug/l  
RT: 2.75 min Scan# 273  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.2  | 19.4  | 29.2  |





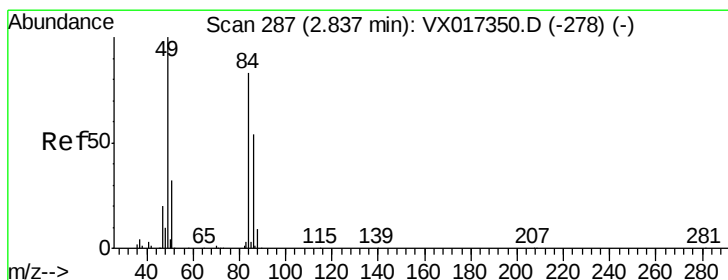
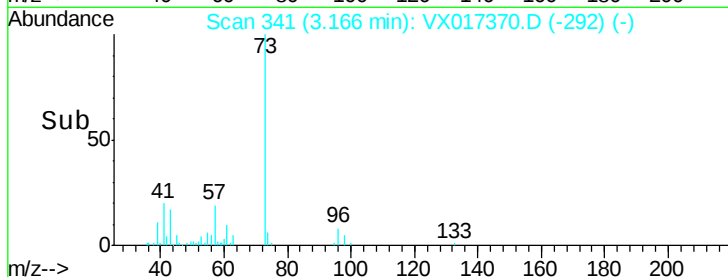
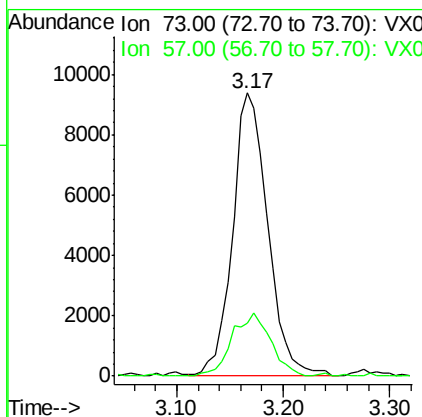
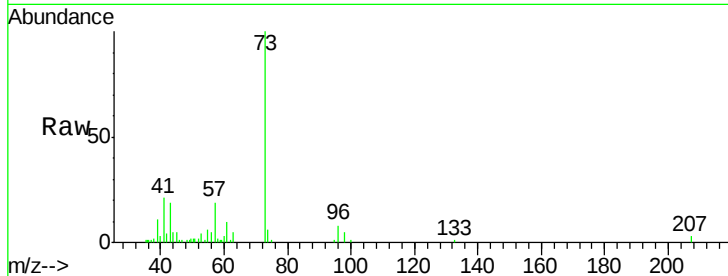
#19  
Methyl tert-butyl Ether  
Concen: 2.346 ug/l  
RT: 3.17 min Scan# 341  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 18.7  | 17.5  | 26.3  |

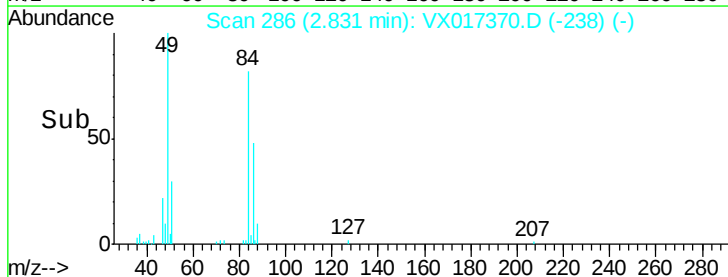
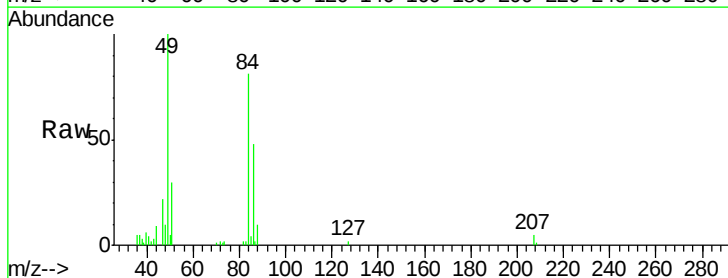
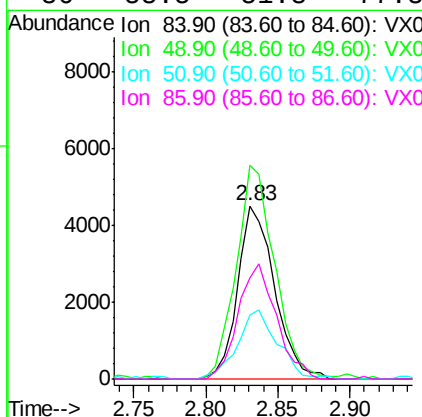
Manual Integrations  
APPROVED

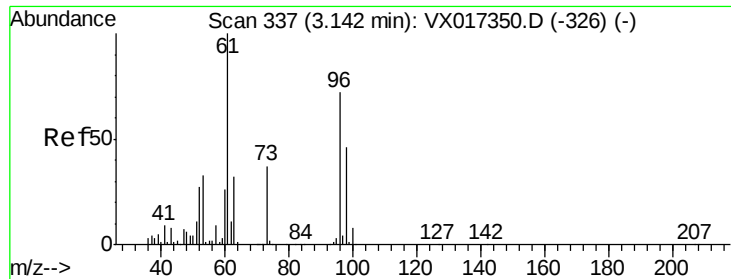
MMDadoda  
7/15/2020 11:43:14 AM



#20  
Methylene Chloride  
Concen: 2.446 ug/l  
RT: 2.83 min Scan# 286  
Delta R.T. -0.01 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 123.2 | 95.8  | 143.8 |
| 51      | 36.7  | 31.0  | 46.4  |
| 86      | 58.5  | 51.8  | 77.8  |





#21

trans-1,2-Dichloroethene

Concen: 2.455 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

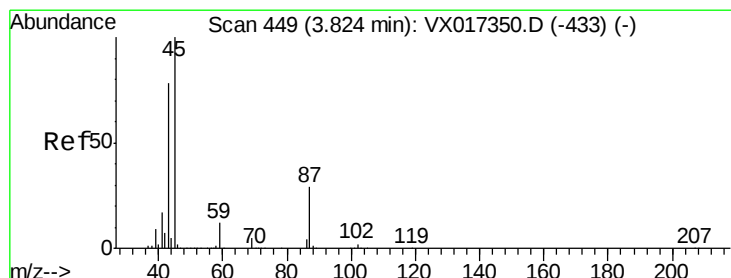
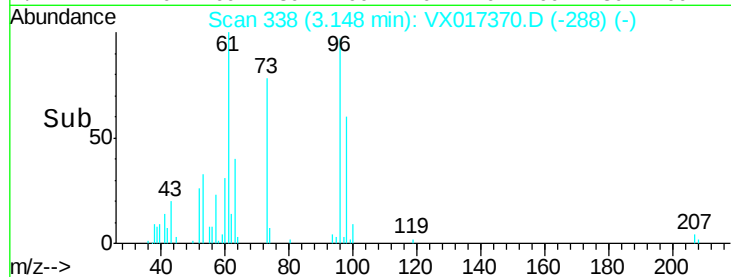
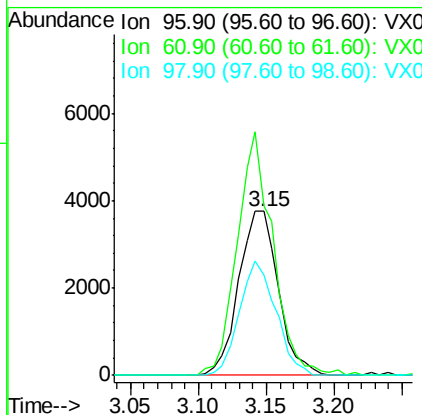
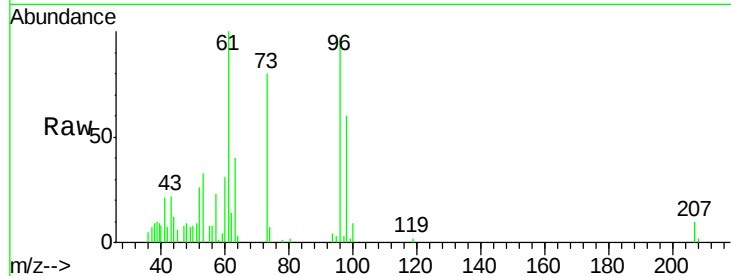
ClientSampleId :

MDL-WATER-03-QT3-2020

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 7682   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 103.2 | 111.1 | 166.7# |
| 98       | 61.5  | 51.4  | 77.0   |

Manual Integrations  
APPROVED

MMDadoda  
7/15/2020 11:43:14 AM



#22

Diisopropyl ether

Concen: 2.469 ug/l

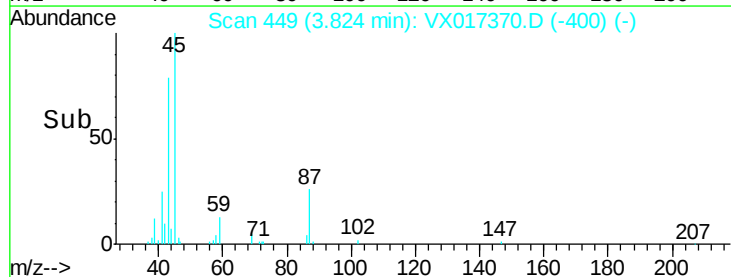
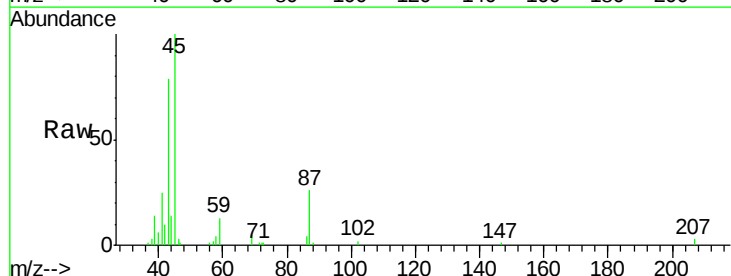
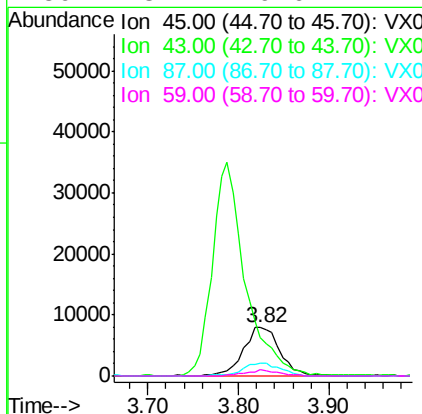
RT: 3.82 min Scan# 449

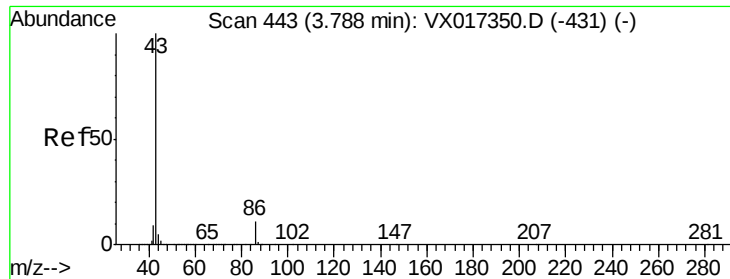
Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 22287 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 77.3  | 62.2  | 93.2  |
| 87       | 25.7  | 23.0  | 34.6  |
| 59       | 13.1  | 9.6   | 14.4  |





#23

Vinyl Acetate

Concen: 11.220 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 89064

Ion Ratio Lower Upper

43 100

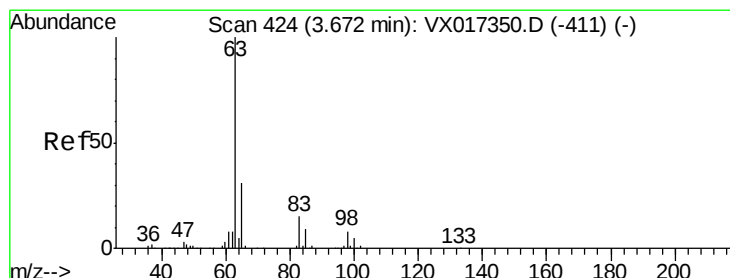
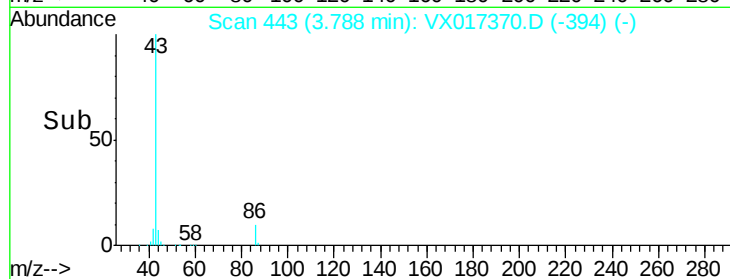
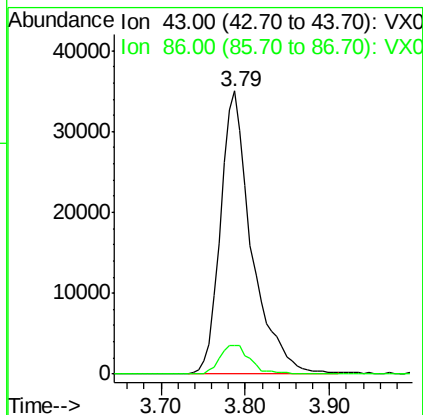
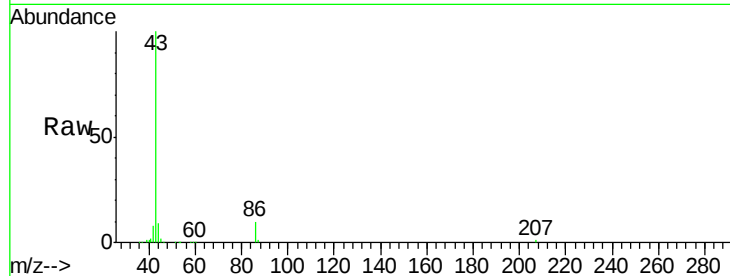
86 10.0 9.0 13.4

Manual Integrations

APPROVED

MMDadoda

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#24

1,1-Dichloroethane

Concen: 2.471 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

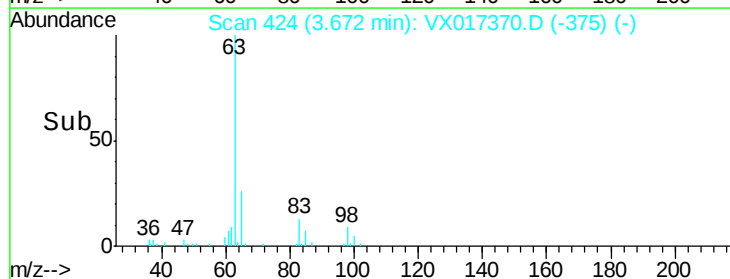
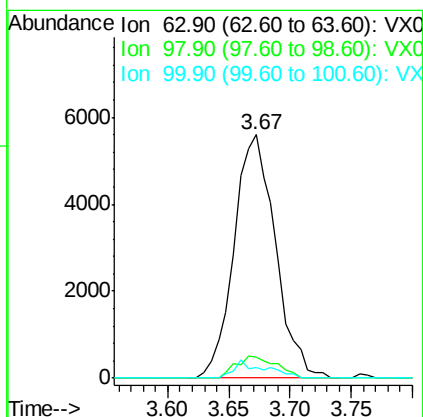
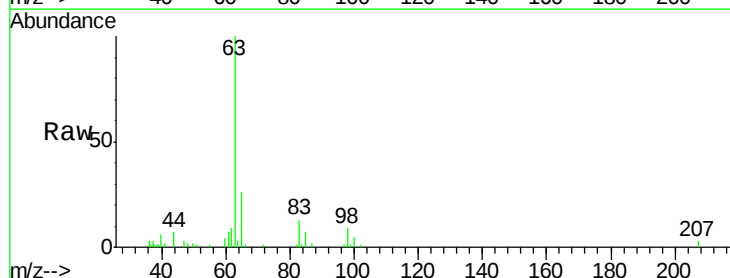
Tgt Ion: 63 Resp: 13108

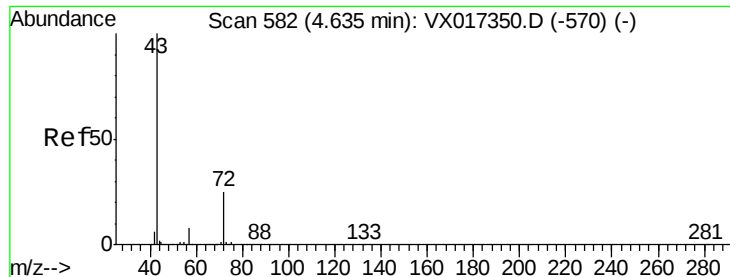
Ion Ratio Lower Upper

63 100

98 8.7 3.9 11.5

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 11.501 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 24578

Ion Ratio Lower Upper

43 100

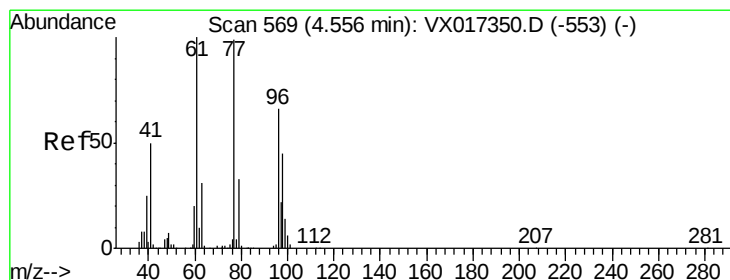
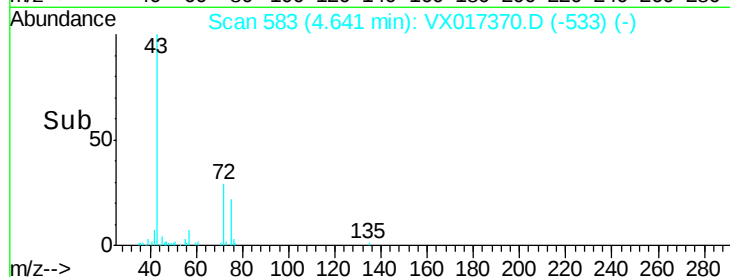
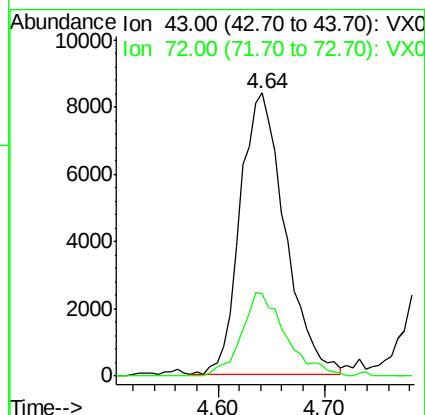
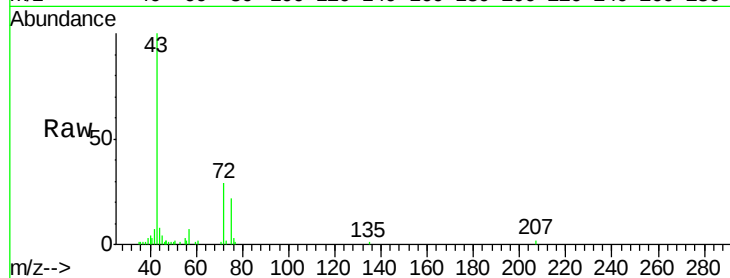
72 29.4 20.4 30.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 2.484 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VX017370.D

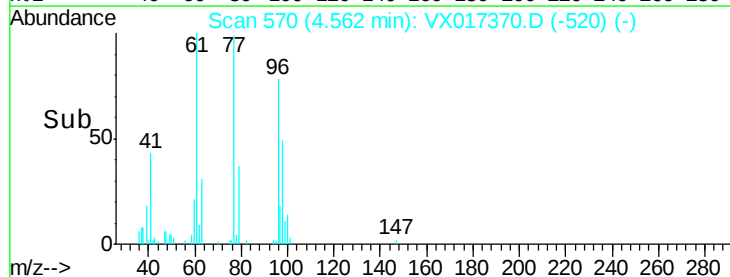
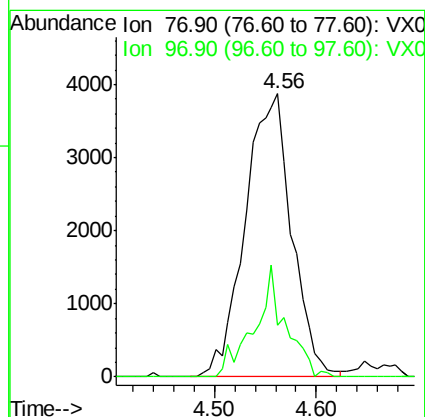
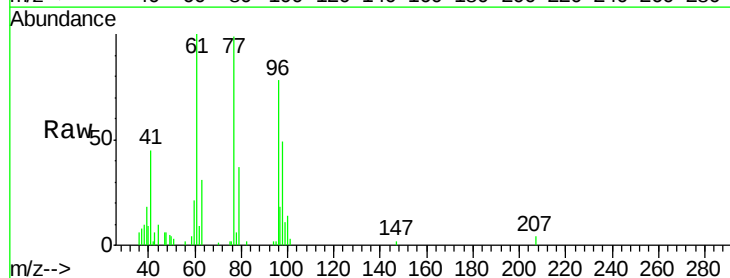
Acq: 14 Jul 2020 11:49

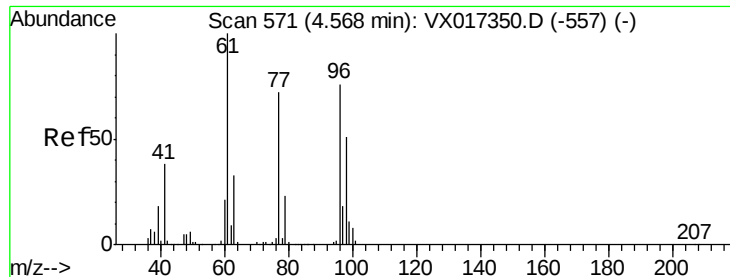
Tgt Ion: 77 Resp: 12262

Ion Ratio Lower Upper

77 100

97 26.5 11.1 33.3





#27

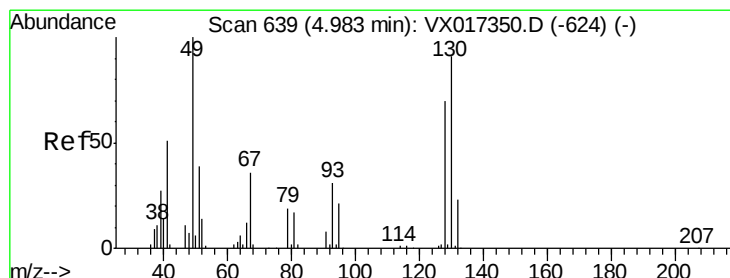
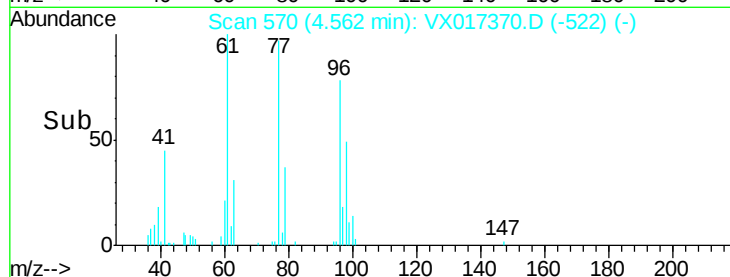
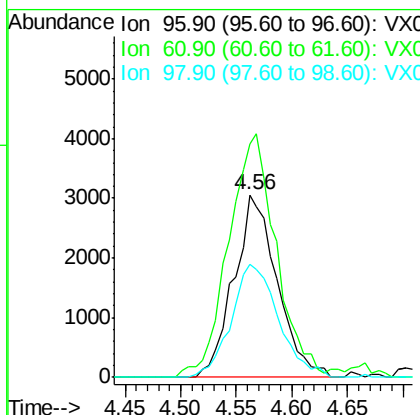
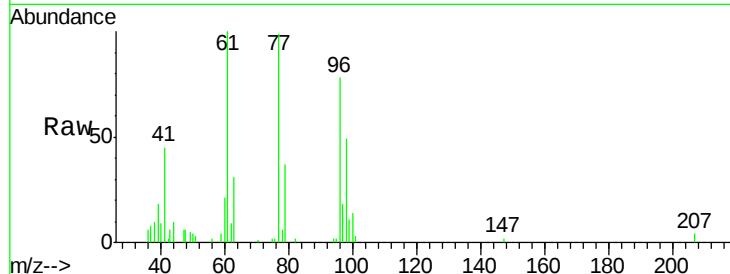
cis-1,2-Dichloroethene  
Concen: 2.413 ug/l  
RT: 4.56 min Scan# 570  
Delta R.T. -0.01 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 146.1 | 0.0   | 281.2 |
| 98      | 67.3  | 0.0   | 131.4 |

Manual Integrations  
APPROVED

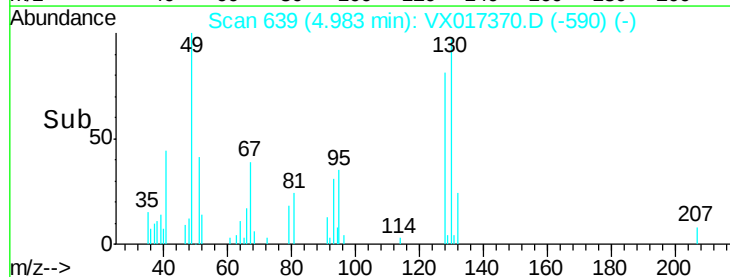
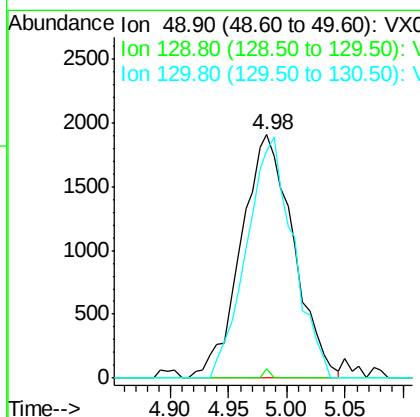
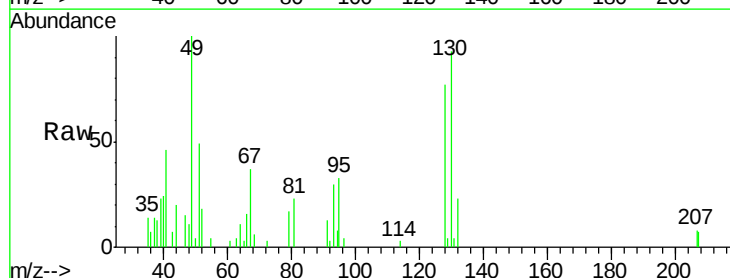
MMDadoda  
7/15/2020 11:43:14 AM

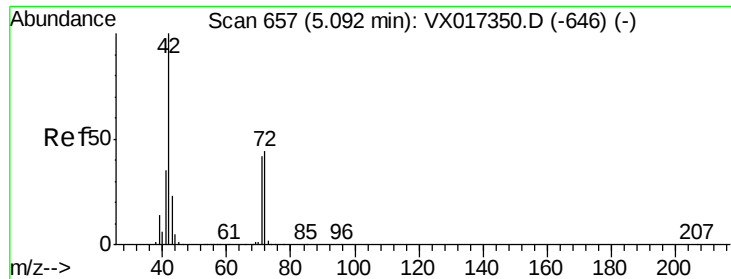


#28

Bromochloromethane  
Concen: 2.447 ug/l  
RT: 4.98 min Scan# 639  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.5   | 0.0   | 4.8   |
| 130     | 87.8  | 71.1  | 106.7 |





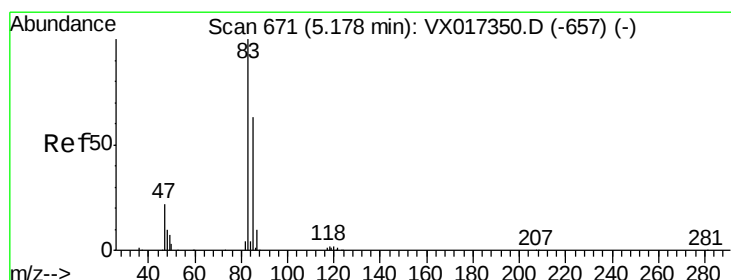
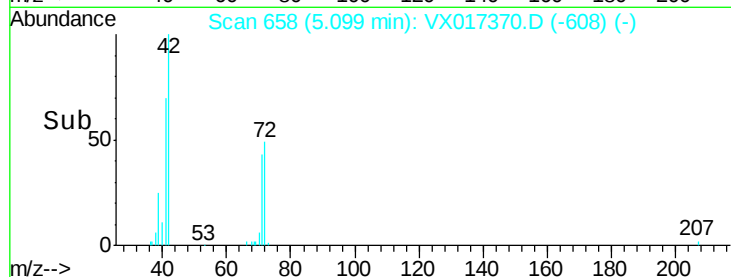
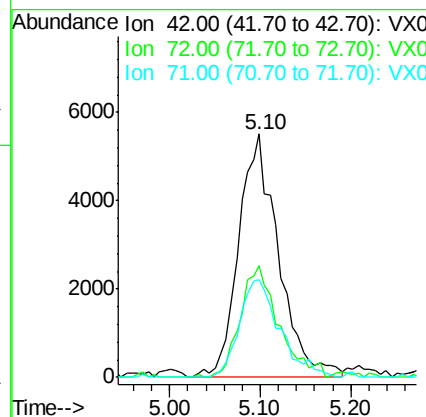
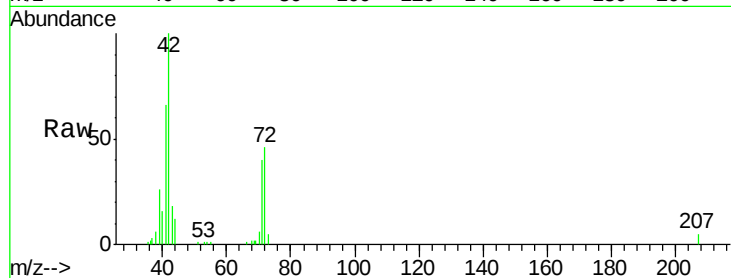
#29  
Tetrahydrofuran  
Concen: 12.169 ug/l  
RT: 5.10 min Scan# 658  
Delta R.T. 0.01 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.0  | 37.2  | 55.8  |
| 71      | 40.5  | 34.4  | 51.6  |

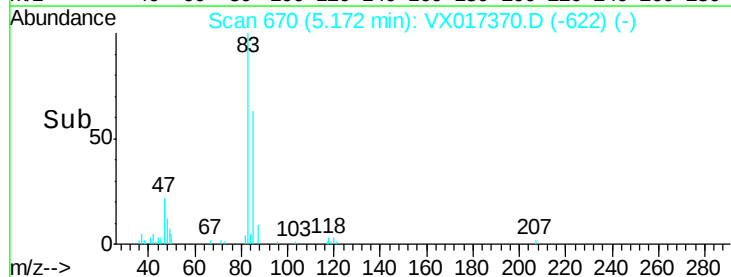
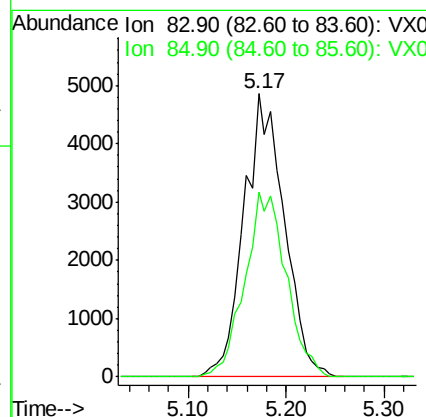
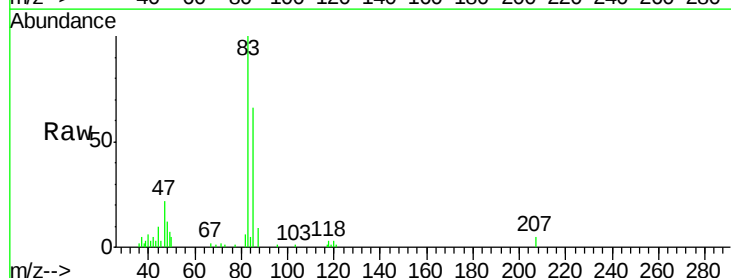
Manual Integrations  
APPROVED

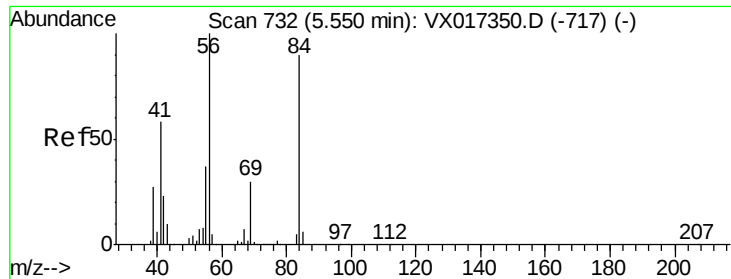
MMDadoda  
7/15/2020 11:43:14 AM



#30  
Chloroform  
Concen: 2.431 ug/l  
RT: 5.17 min Scan# 670  
Delta R.T. -0.01 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.5  | 50.2  | 75.4  |





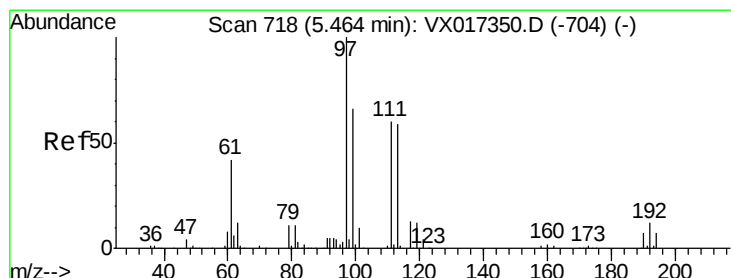
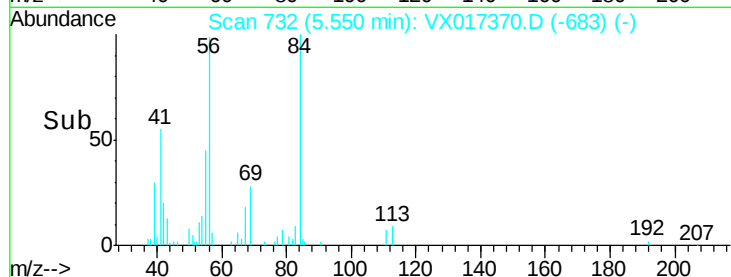
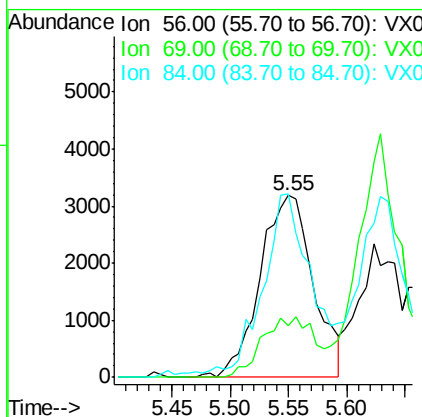
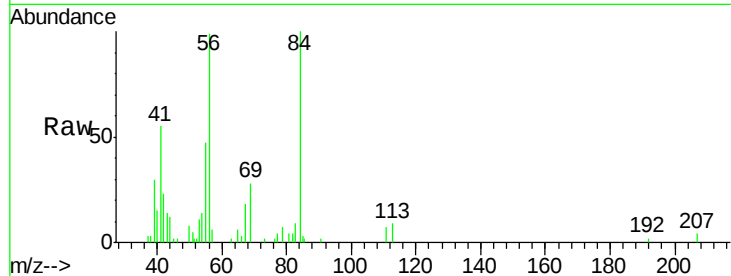
#31  
Cyclohexane  
Concen: 2.324 ug/l  
RT: 5.55 min Scan# 732  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 28.2  | 23.7  | 35.5  |
| 84      | 98.9  | 71.8  | 107.6 |

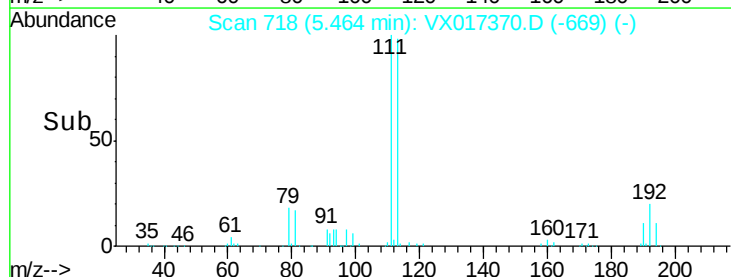
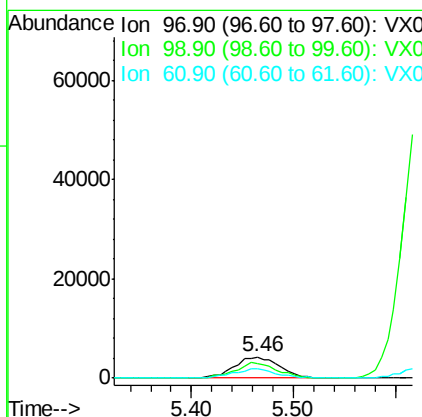
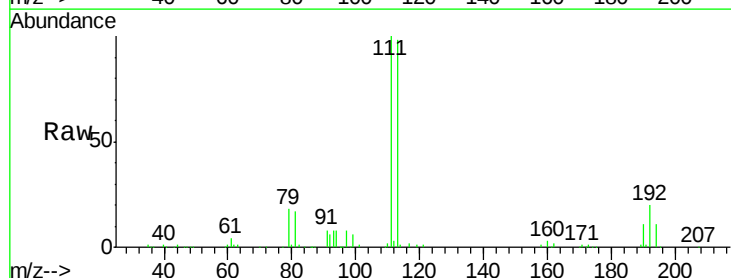
Manual Integrations  
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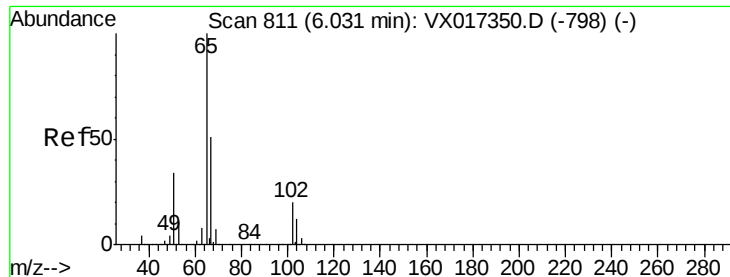
MMDadoda  
7/15/2020 11:43:14 AM



#32  
1,1,1-Trichloroethane  
Concen: 2.493 ug/l  
RT: 5.46 min Scan# 718  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.8  | 51.2  | 76.8  |
| 61      | 42.4  | 32.7  | 49.1  |





#33

1,2-Dichloroethane-d4

Concen: 46.970 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 65 Resp: 177138

Ion Ratio Lower Upper

65 100

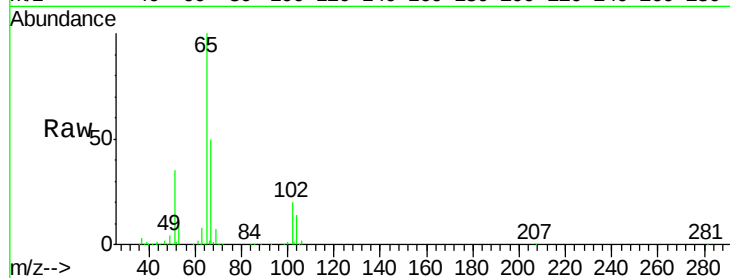
67 52.2 0.0 101.6

Manual Integrations

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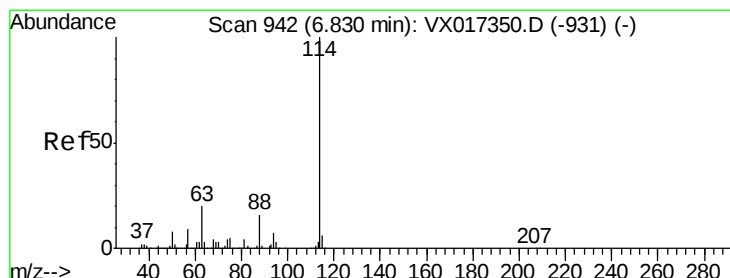
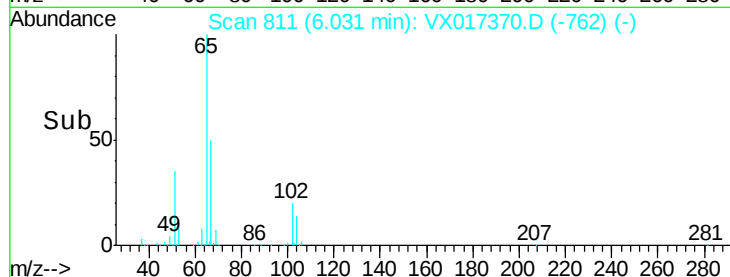
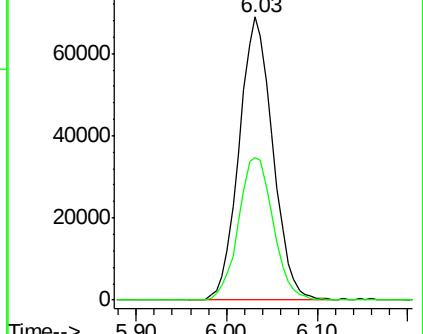
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

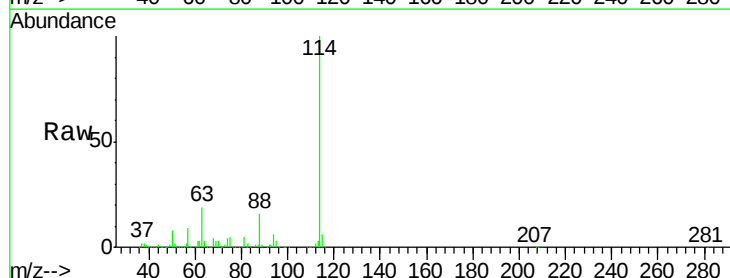
Tgt Ion: 114 Resp: 467422

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

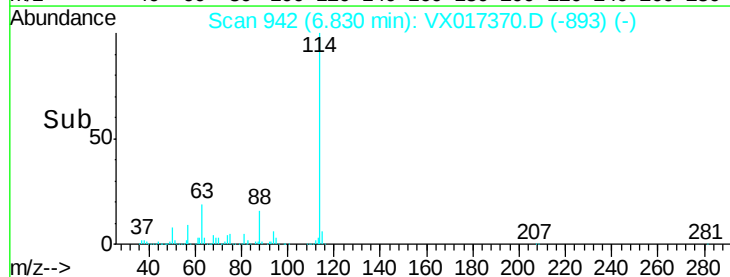
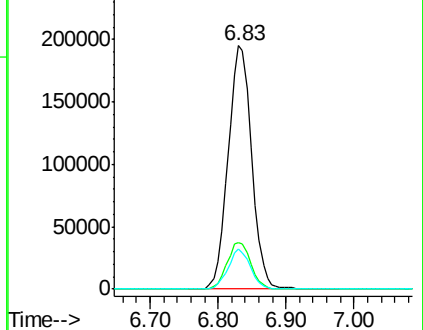
88 16.3 0.0 32.8

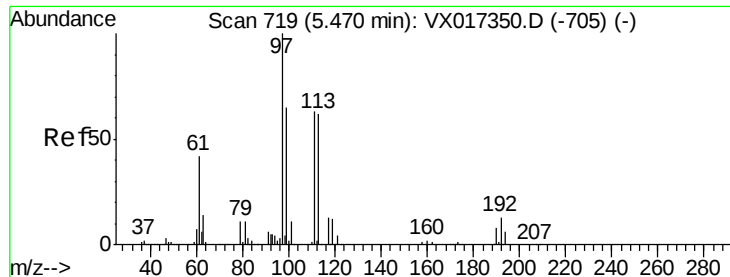


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.035 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

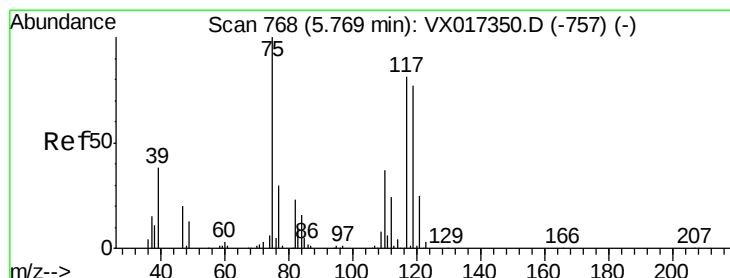
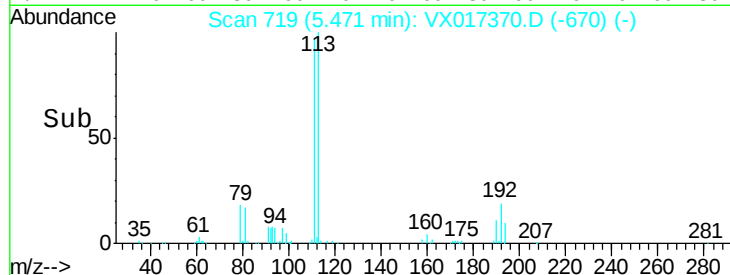
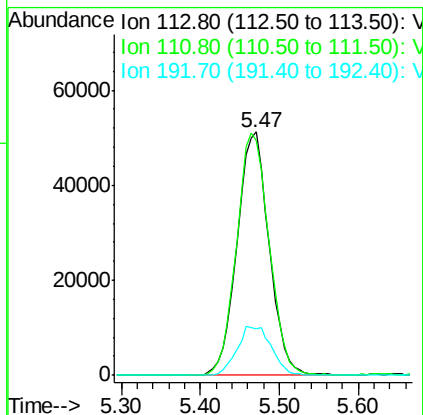
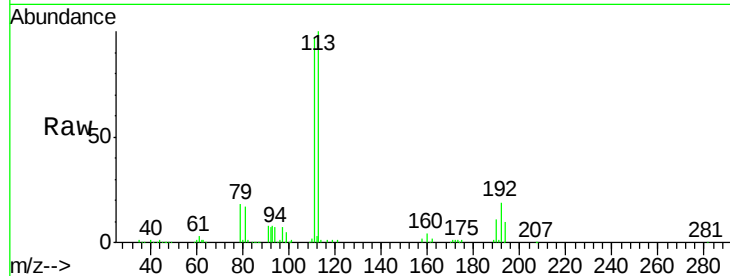
ClientSampleId :

MDL-WATER-03-QT3-2020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 144947 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.5 | 82.4  | 123.6  |
| 192       | 21.6  | 17.2  | 25.8   |

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#36

1,1-Dichloropropene

Concen: 2.393 ug/l

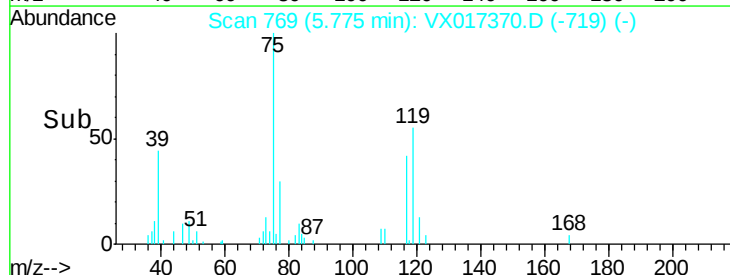
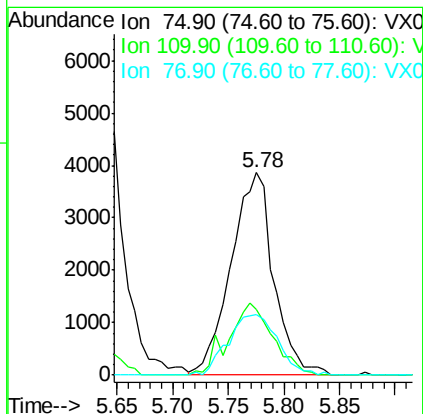
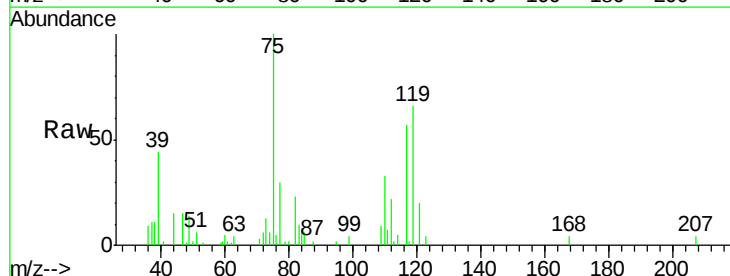
RT: 5.78 min Scan# 769

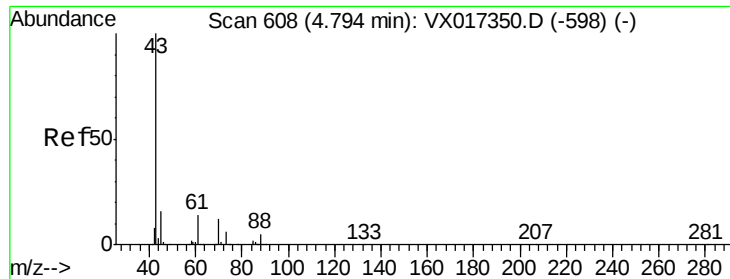
Delta R.T. 0.01 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 10290 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 36.9  | 18.6  | 55.8  |
| 77        | 34.6  | 24.9  | 37.3  |





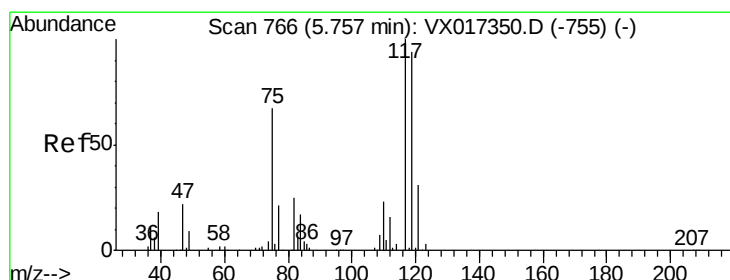
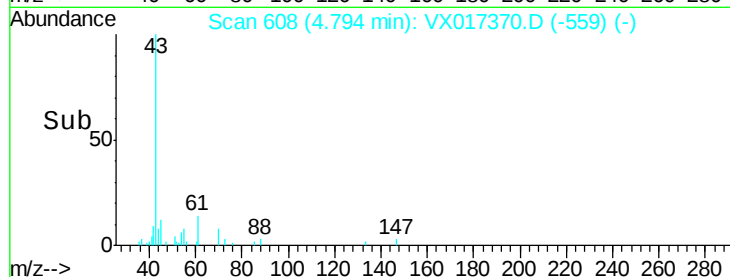
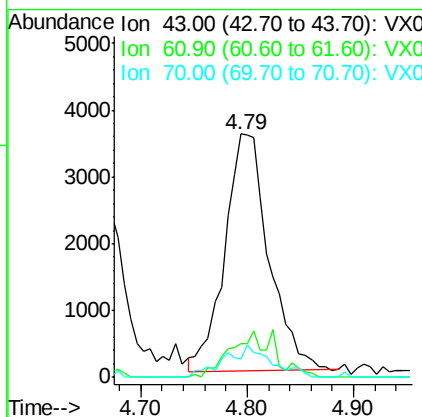
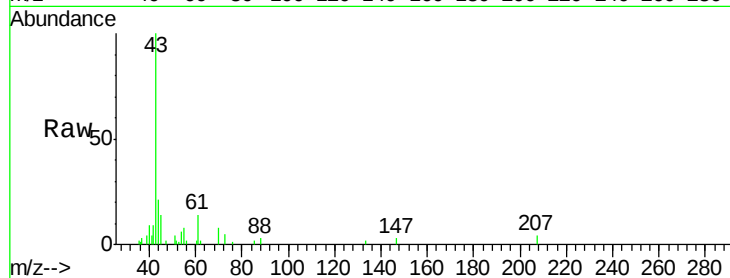
#37  
Ethyl Acetate  
Concen: 2.319 ug/l  
RT: 4.79 min Scan# 608  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 0.0   | 10.7  | 16.1# |
| 70      | 14.1  | 9.0   | 13.6# |

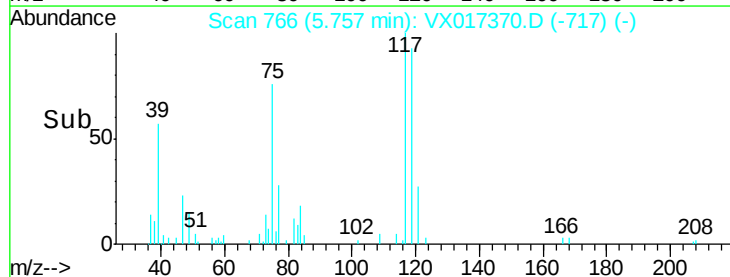
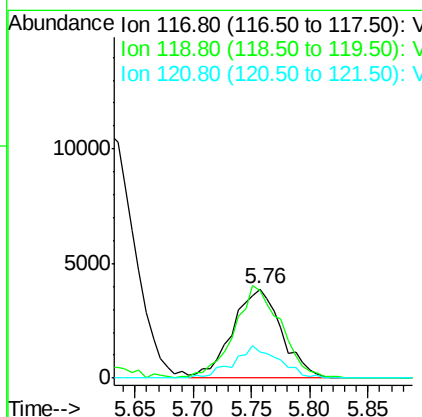
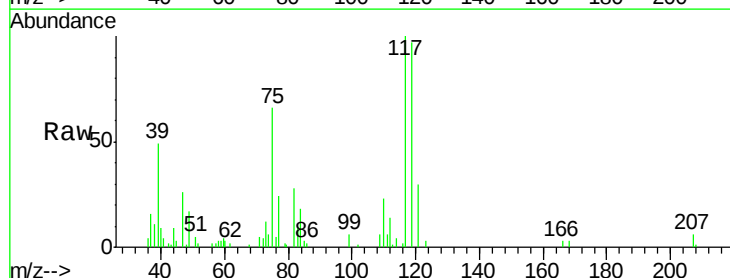
Manual Integrations  
APPROVED

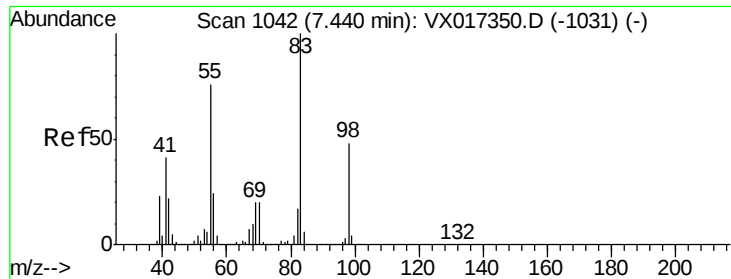
MMDadoda  
7/15/2020 11:43:14 AM



#38  
Carbon Tetrachloride  
Concen: 2.248 ug/l  
RT: 5.76 min Scan# 766  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.9  | 74.7  | 112.1 |
| 121     | 29.6  | 24.5  | 36.7  |





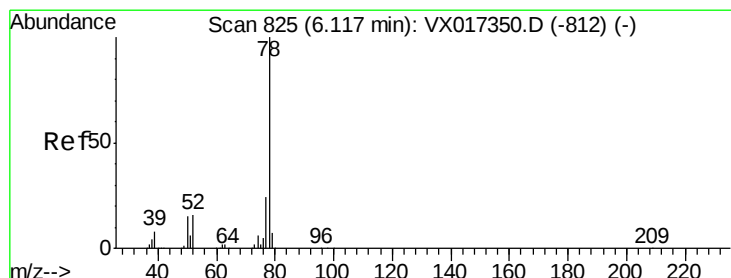
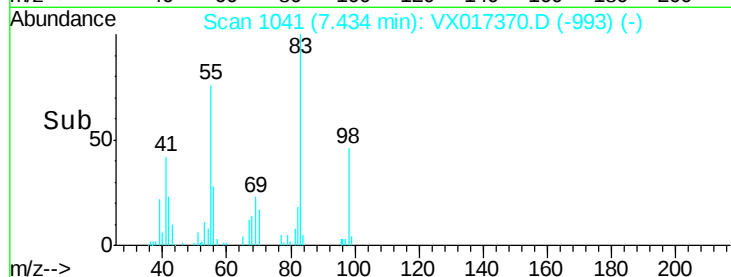
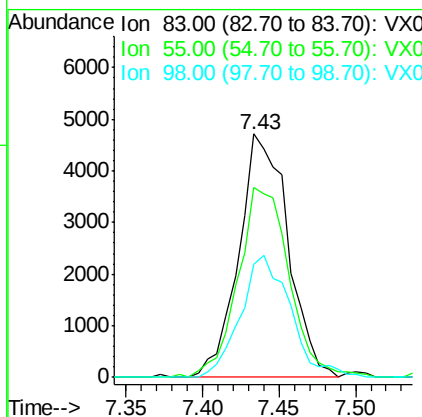
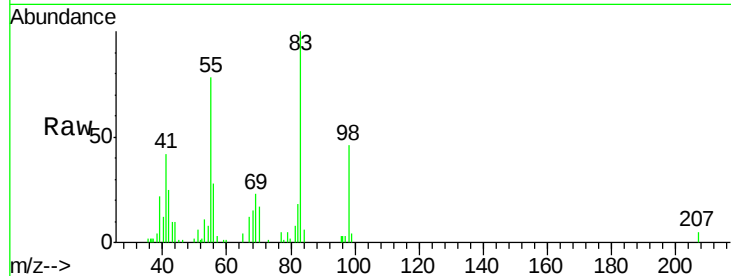
#39  
Methylvlcvclohexane  
Concen: 2.254 ug/l  
RT: 7.43 min Scan# 1041  
Delta R.T. -0.01 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.7  | 61.2  | 91.8  |
| 98      | 46.2  | 38.1  | 57.1  |

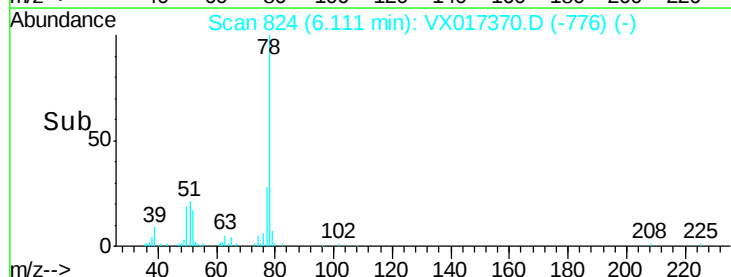
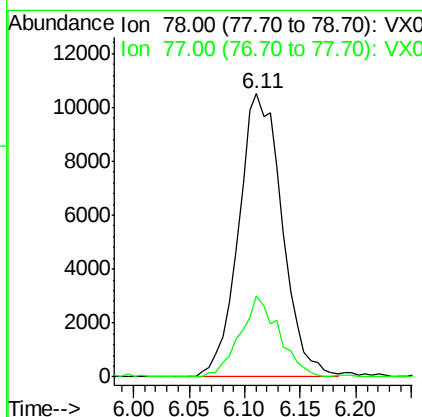
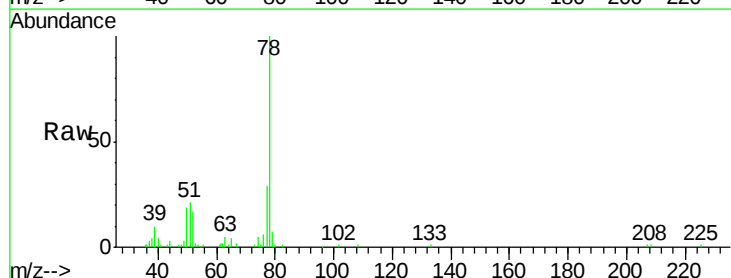
Manual Integrations  
APPROVED

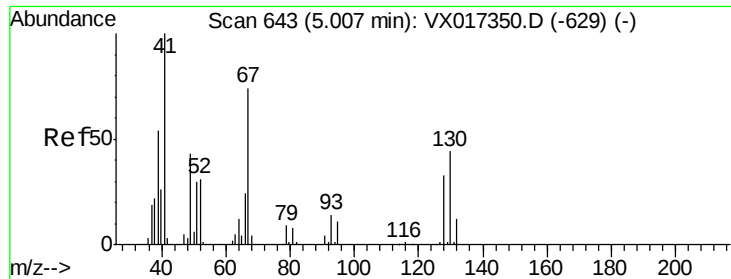
MMDadoda  
7/15/2020 11:43:14 AM



#40  
Benzene  
Concen: 2.312 ug/l  
RT: 6.11 min Scan# 824  
Delta R.T. -0.01 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 28.7  | 18.9  | 28.3  |





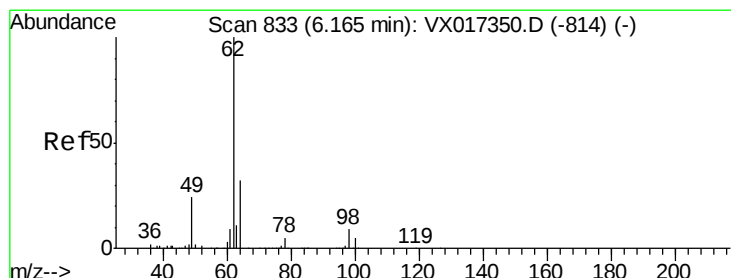
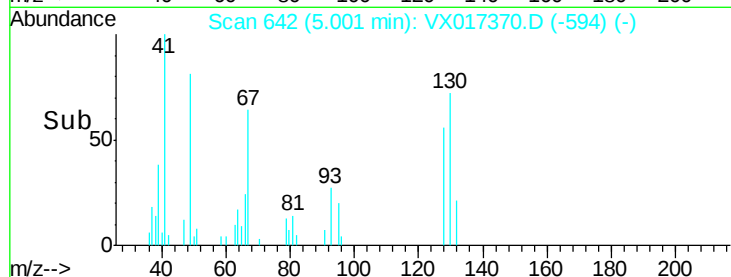
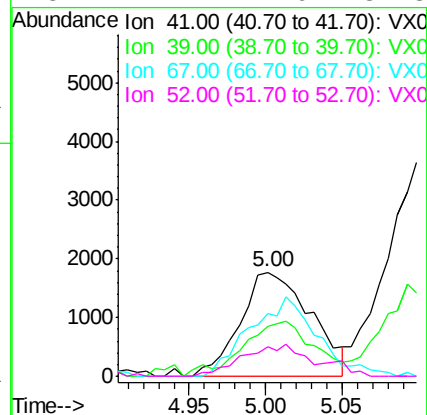
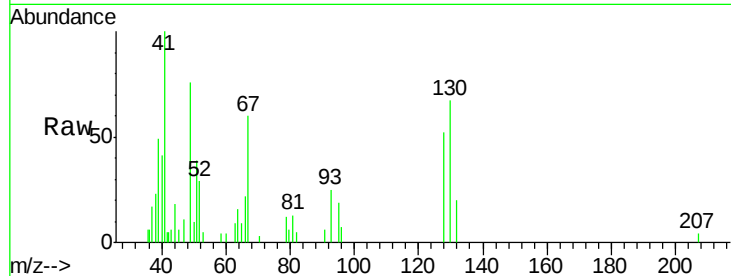
#41  
Methacrylonitrile  
Concen: 2.377 ug/l  
RT: 5.00 min Scan# 642  
Delta R.T. -0.01 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 5675  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 53.1  | 43.8  | 65.8  |
| 67       | 73.2  | 58.7  | 88.1  |
| 52       | 27.2  | 24.9  | 37.3  |

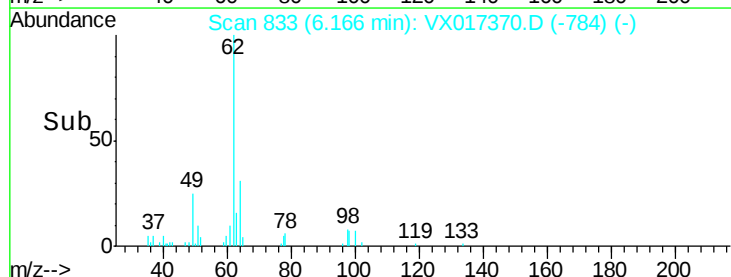
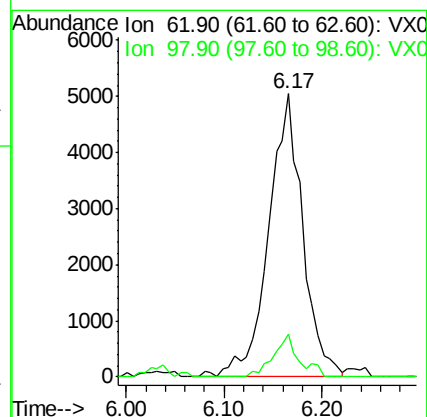
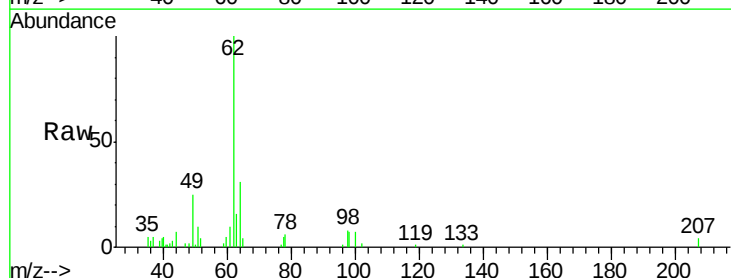
Manual Integrations  
APPROVED

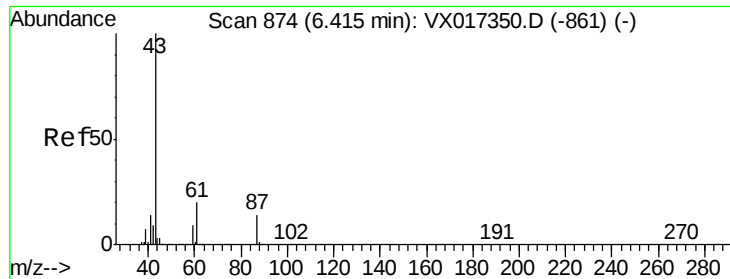
MMDadoda  
7/15/2020 11:43:14 AM



#42  
1,2-Dichloroethane  
Concen: 2.562 ug/l  
RT: 6.17 min Scan# 833  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 12300 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 11.2  | 0.0   | 19.4  |





#43

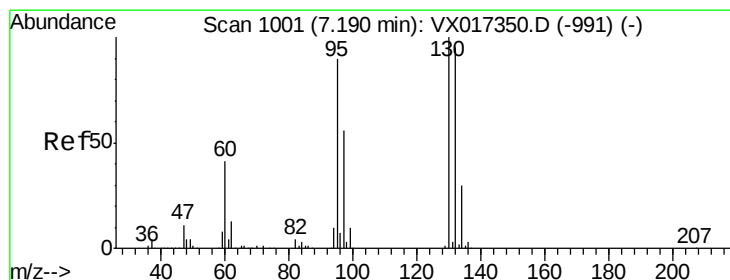
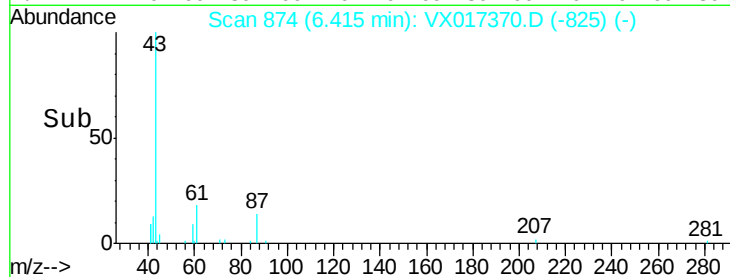
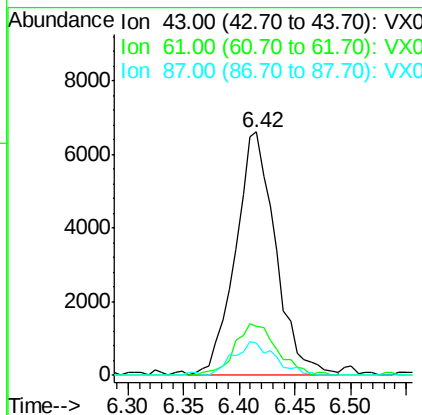
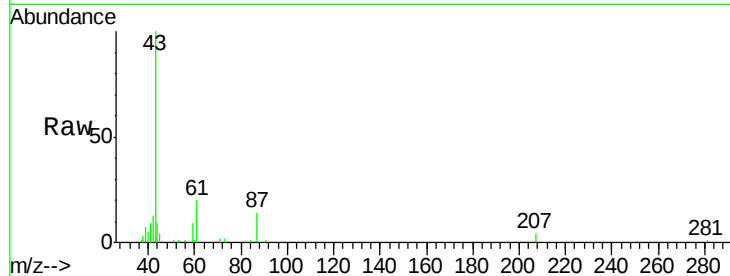
Isopropyl Acetate  
 Concen: 2.335 ug/l  
 RT: 6.42 min Scan# 874  
 Delta R.T. 0.00 min  
 Lab File: VX017370.D  
 Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 22.4  | 16.4  | 24.6  |
| 87      | 14.1  | 11.2  | 16.8  |

Manual Integrations  
 APPROVED

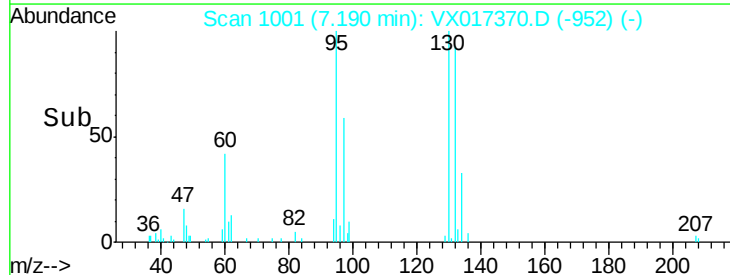
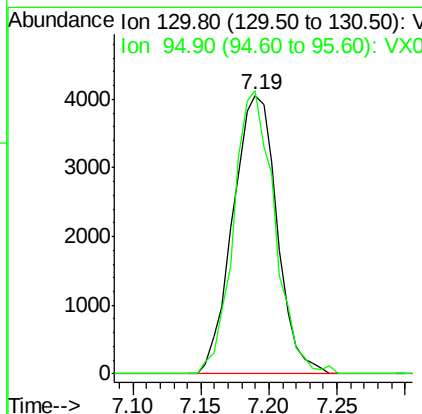
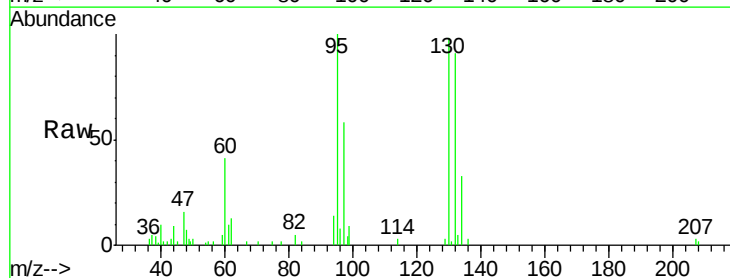
MMDadoda  
 7/15/2020 11:43:14 AM

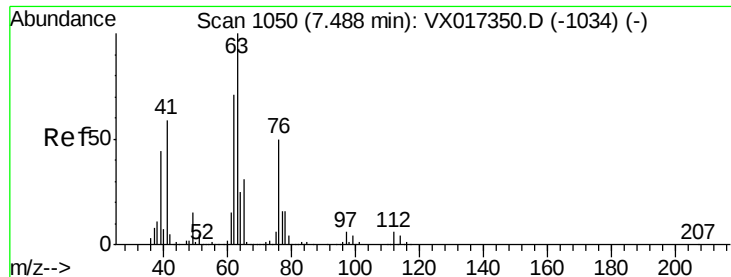


#44

Trichloroethene  
 Concen: 2.433 ug/l  
 RT: 7.19 min Scan# 1001  
 Delta R.T. 0.00 min  
 Lab File: VX017370.D  
 Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.7 | 0.0   | 180.2 |





#45

1,2-Dichloropropane

Concen: 2.426 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 63 Resp: 7669

Ion Ratio Lower Upper

63 100

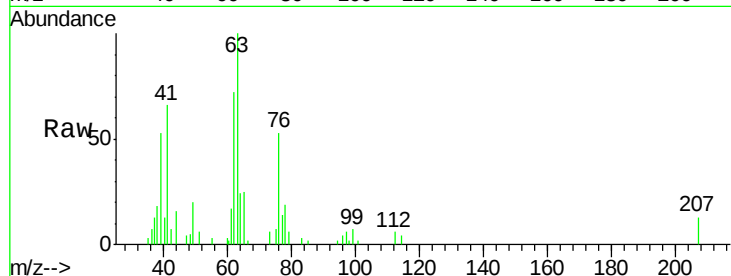
65 25.4 24.5 36.7

Manual Integrations

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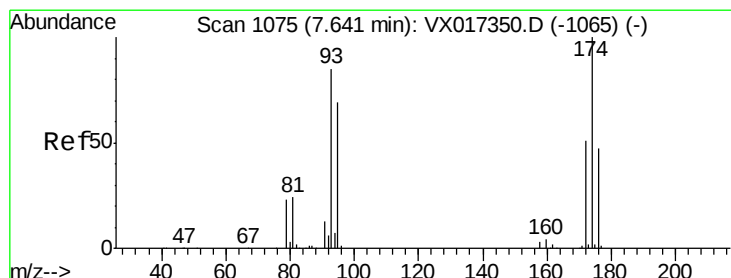
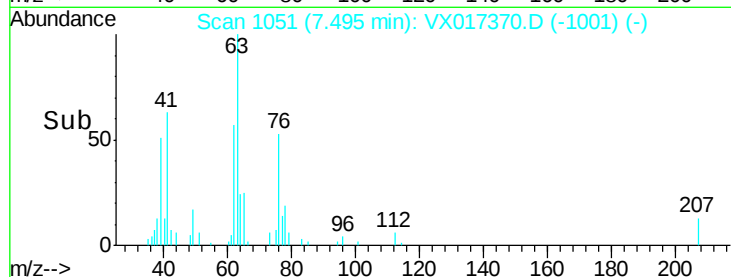
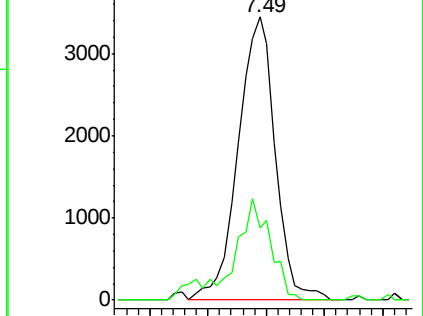
MMDadoda

7/15/2020 11:43:14 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 2.447 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

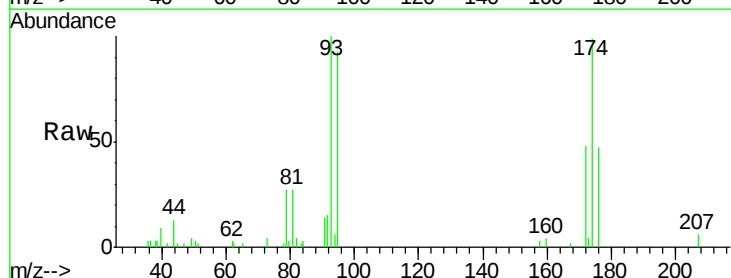
Tgt Ion: 93 Resp: 5580

Ion Ratio Lower Upper

93 100

95 86.6 65.4 98.2

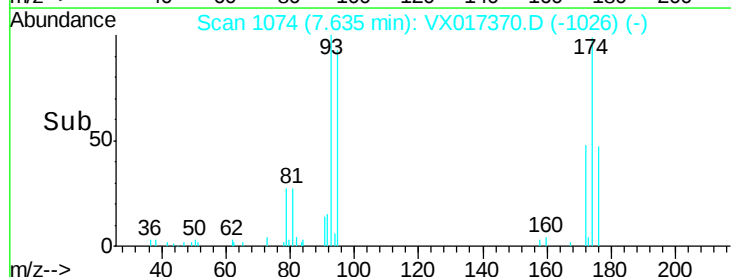
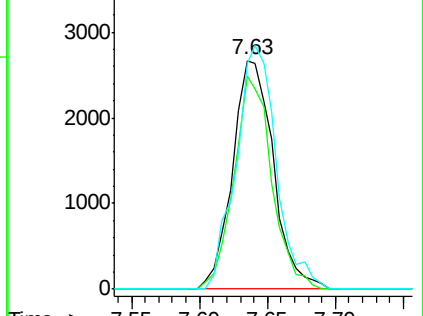
174 106.1 91.2 136.8

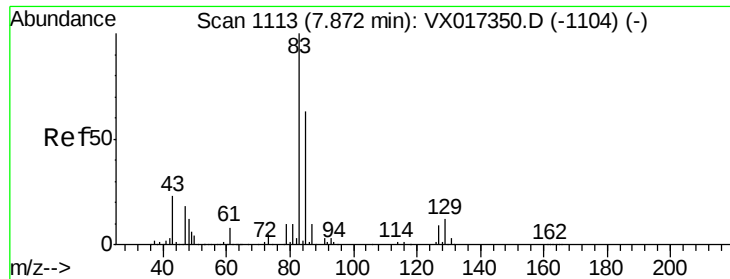


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





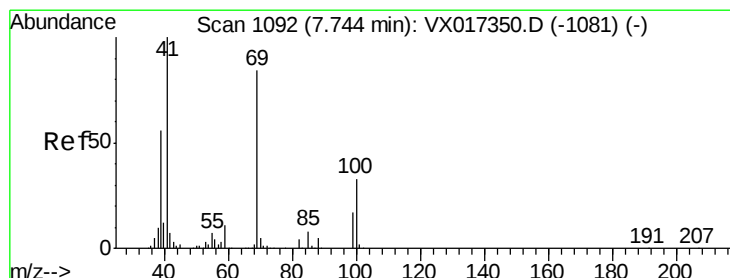
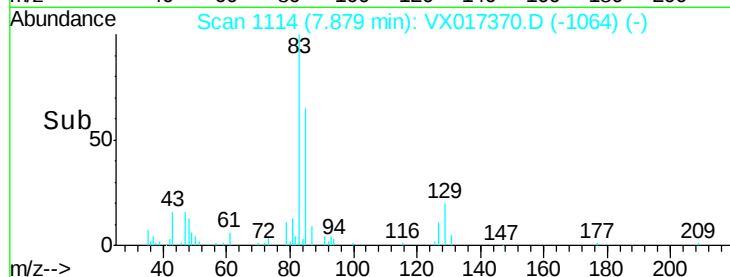
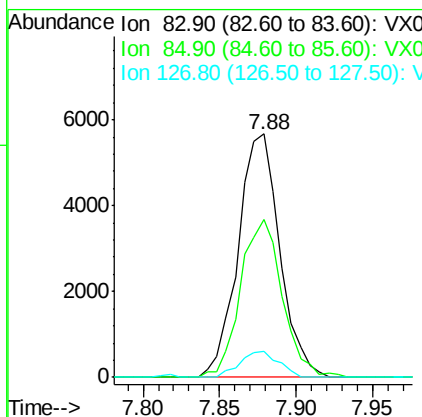
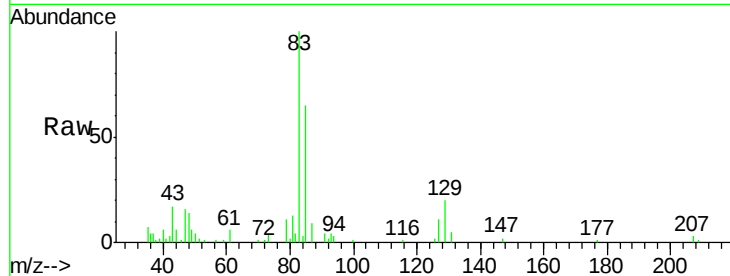
#47  
Bromodichloromethane  
Concen: 2.254 ug/l  
RT: 7.88 min Scan# 1114  
Delta R.T. 0.01 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion   | 83   | Resp  | 10747 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 64.9 | 50.2  | 75.4  |
| 127       | 10.6 | 7.1   | 10.7  |

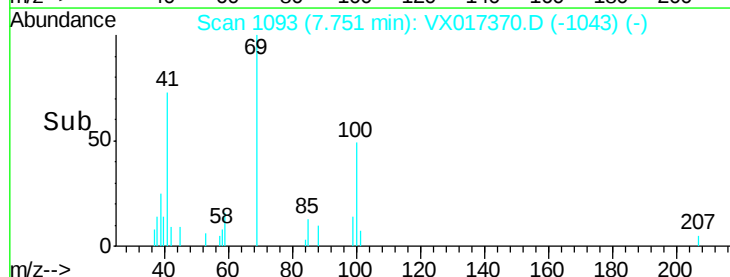
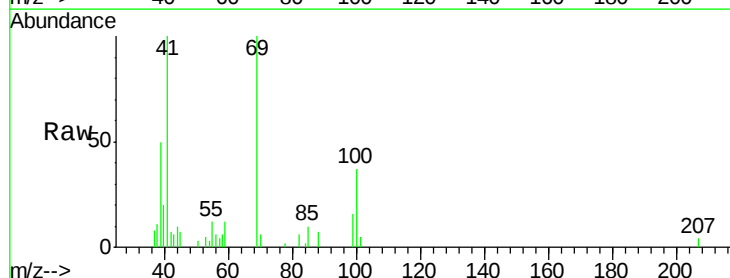
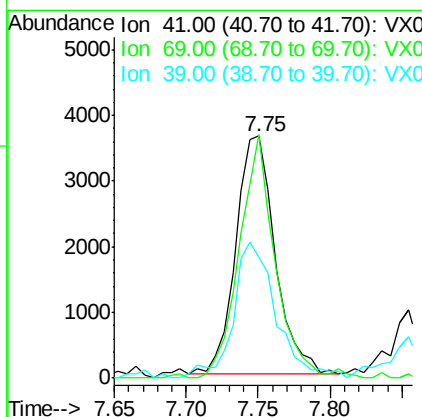
Manual Integrations  
APPROVED

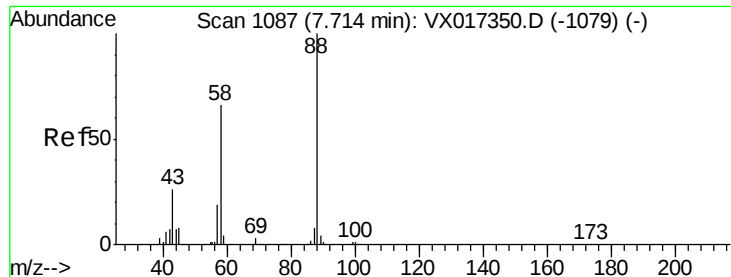
MMDadoda  
7/15/2020 11:43:14 AM



#48  
Methyl methacrylate  
Concen: 2.027 ug/l  
RT: 7.75 min Scan# 1093  
Delta R.T. 0.01 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion   | 41   | Resp  | 6910  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 91.8 | 67.8  | 101.6 |
| 39        | 61.6 | 45.1  | 67.7  |





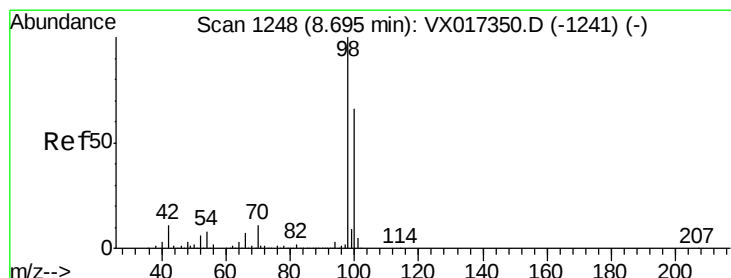
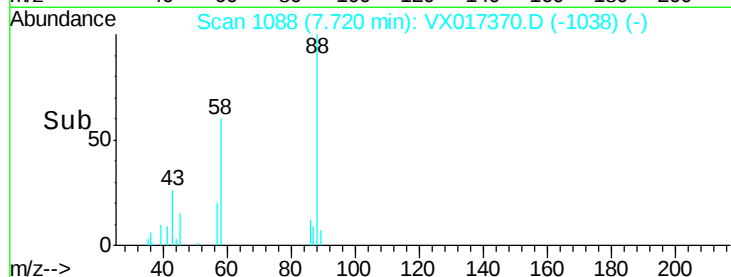
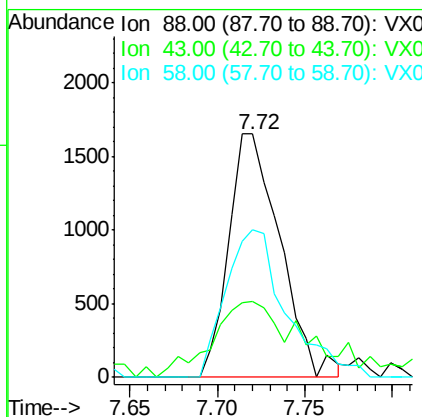
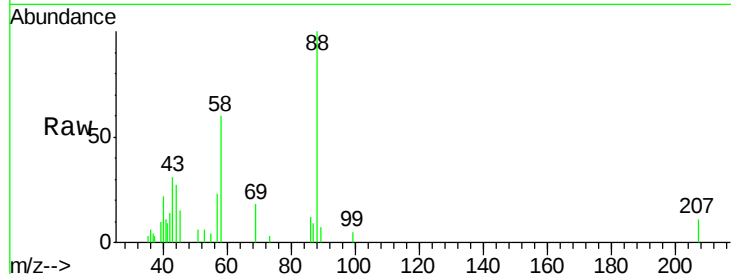
#49  
1,4-Dioxane  
Concen: 48.401 ug/l  
RT: 7.72 min Scan# 1088  
Delta R.T. 0.01 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 38.6  | 25.6  | 38.4# |
| 58      | 71.6  | 53.9  | 80.9  |

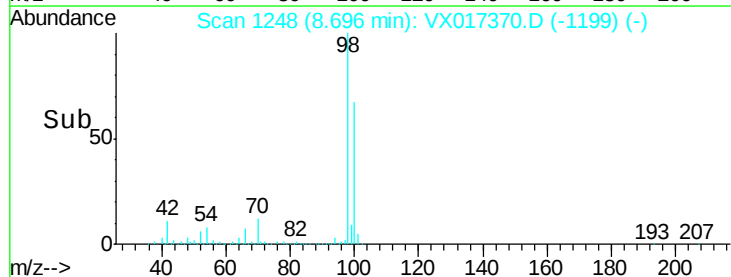
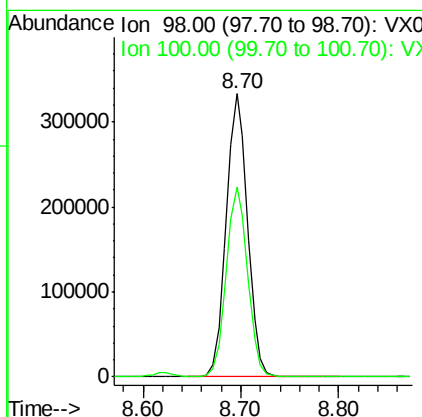
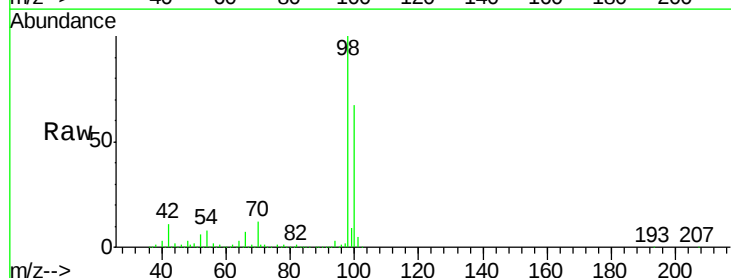
Manual Integrations  
APPROVED

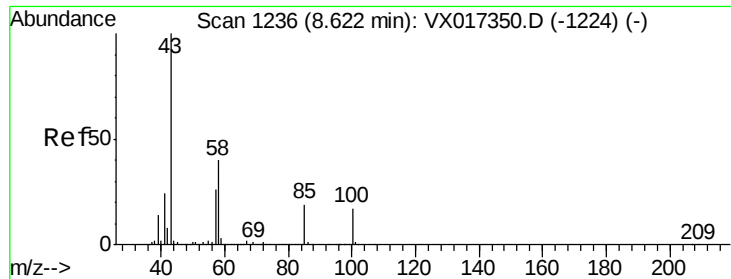
MMDadoda  
7/15/2020 11:43:14 AM



#50  
Toluene-d8  
Concen: 44.498 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.5  | 53.4  | 80.2  |





#51

4-Methyl-2-Pentanone

Concen: 10.900 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 47221

Ion Ratio Lower Upper

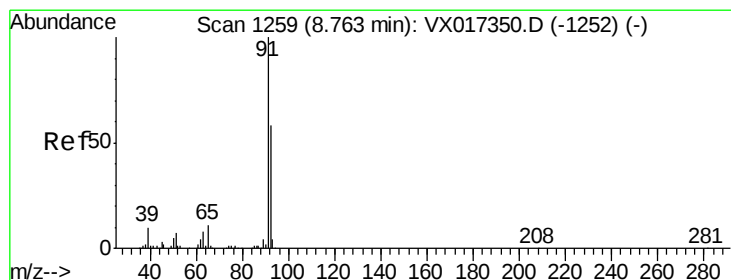
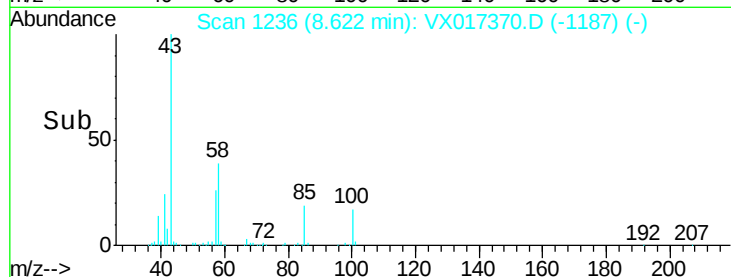
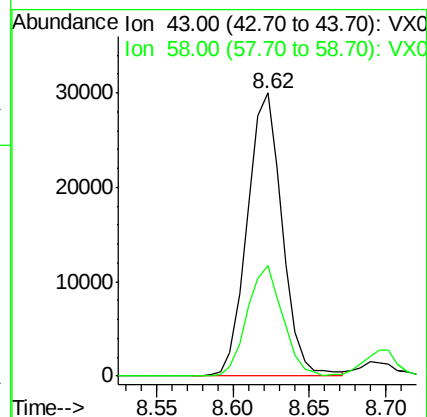
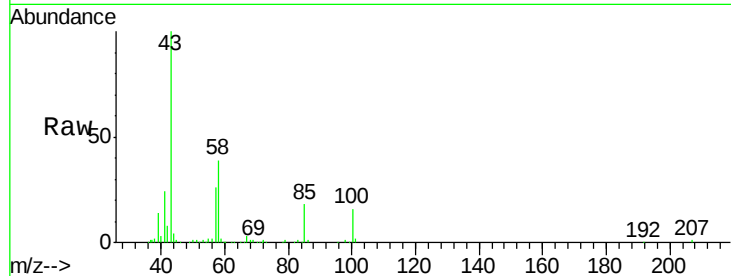
43 100

58 40.0 32.2 48.2

Manual Integrations  
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7/15/2020 11:43:14 AM



#52

Toluene

Concen: 2.440 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017370.D

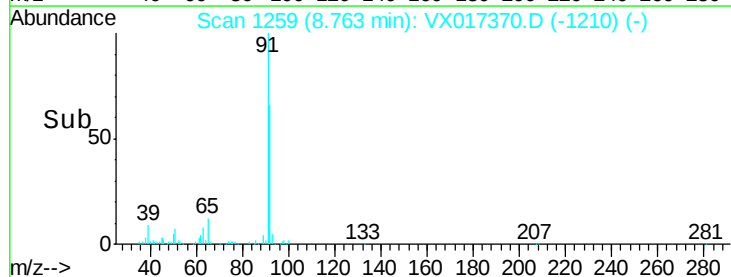
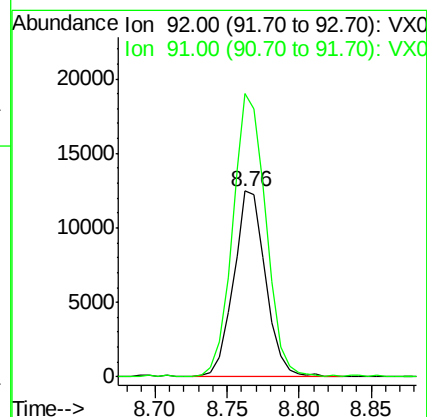
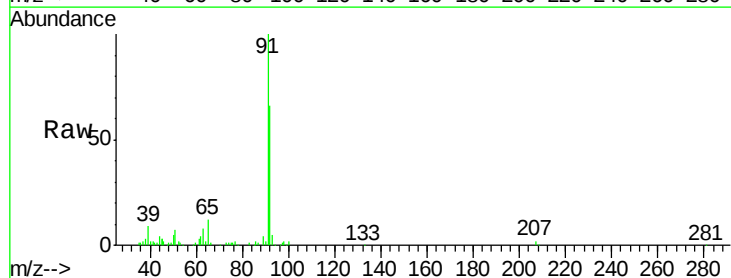
Acq: 14 Jul 2020 11:49

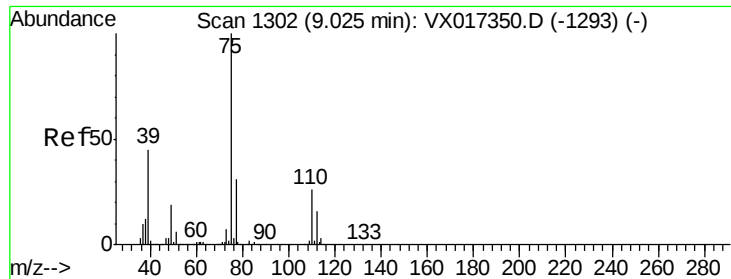
Tgt Ion: 92 Resp: 19351

Ion Ratio Lower Upper

92 100

91 157.8 136.7 205.1





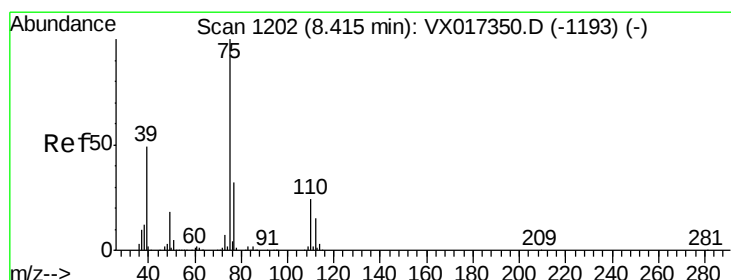
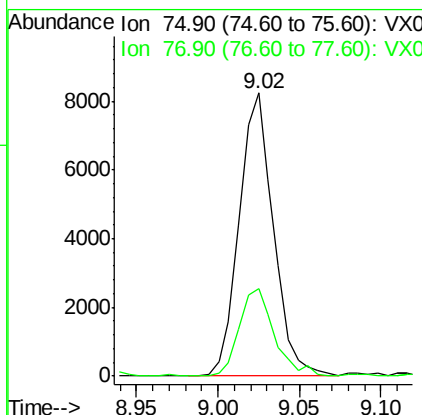
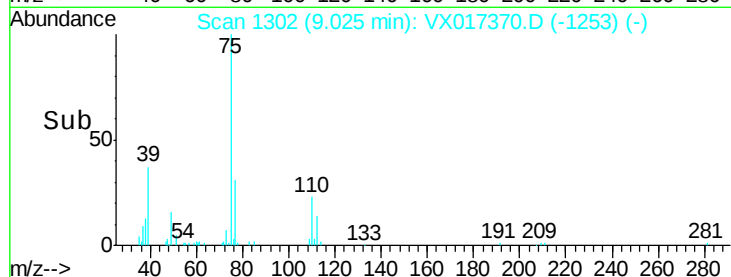
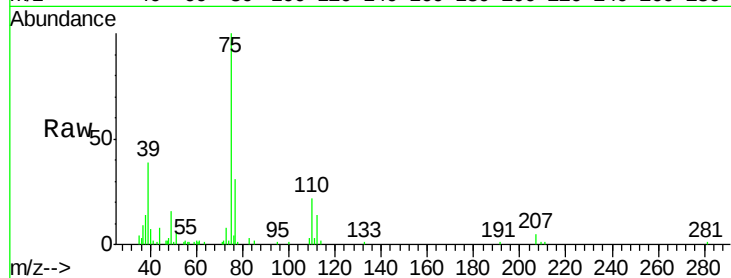
#53  
t-1,3-Dichloropropene  
Concen: 2.344 ug/l  
RT: 9.02 min Scan# 1302  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

Tot Ion: 75 Resp: 12040  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.0 37.6

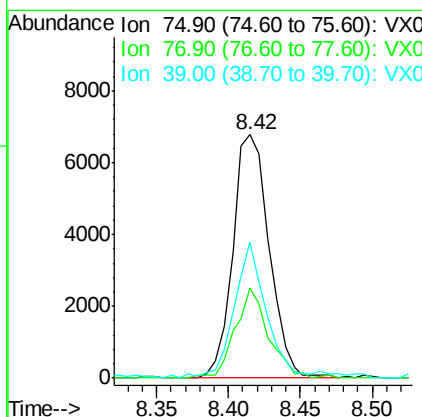
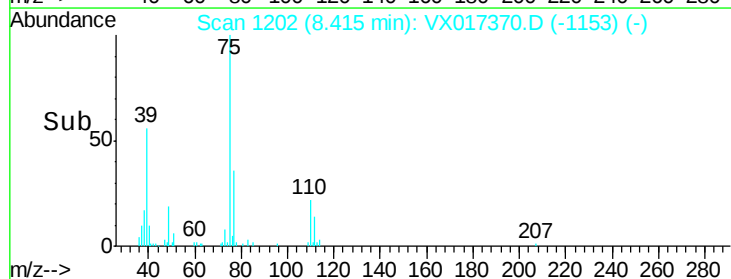
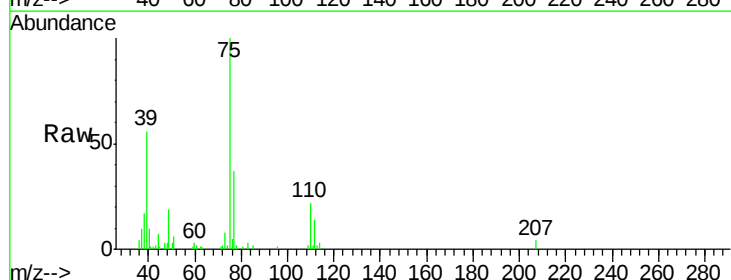
Manual Integrations  
APPROVED

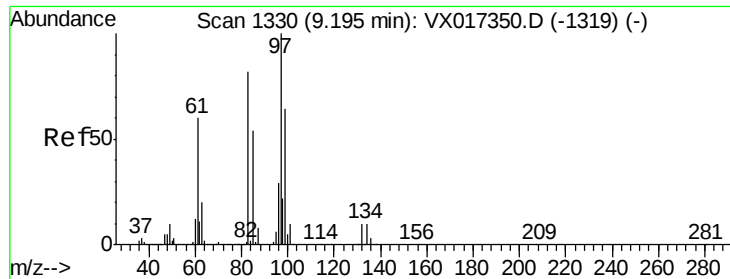
MMDadoda  
7/15/2020 11:43:14 AM



#54  
cis-1,3-Dichloropropene  
Concen: 2.179 ug/l  
RT: 8.42 min Scan# 1202  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

Tgt Ion: 75 Resp: 11937  
Ion Ratio Lower Upper  
75 100  
77 36.9 25.3 37.9  
39 54.2 38.9 58.3





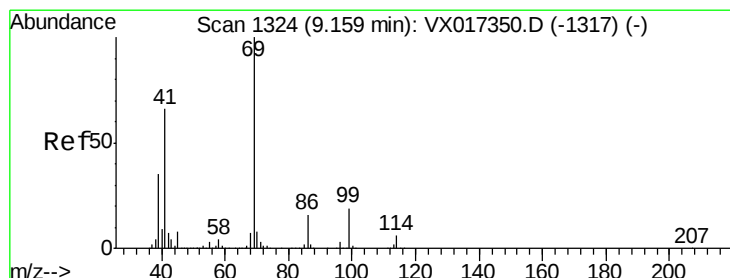
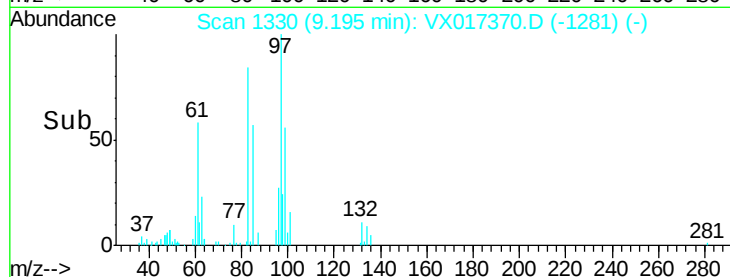
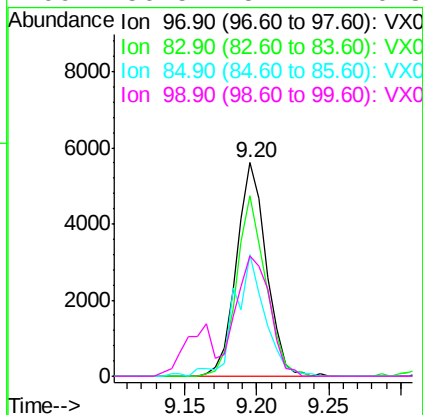
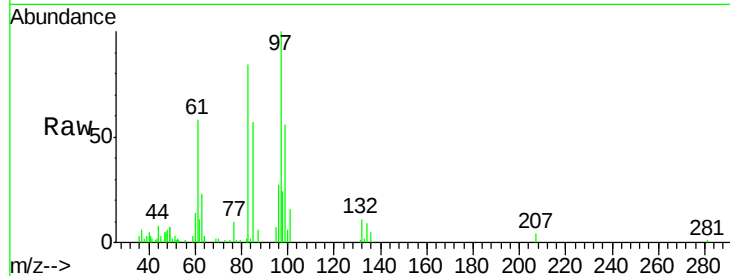
#55  
 1,1,2-Trichloroethane  
 Concen: 2.453 ug/l  
 RT: 9.20 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: VX017370.D  
 Acq: 14 Jul 2020 11:49

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

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 8110  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.3  | 65.8  | 98.6  |
| 85       | 56.9  | 42.8  | 64.2  |
| 99       | 56.5  | 51.2  | 76.8  |

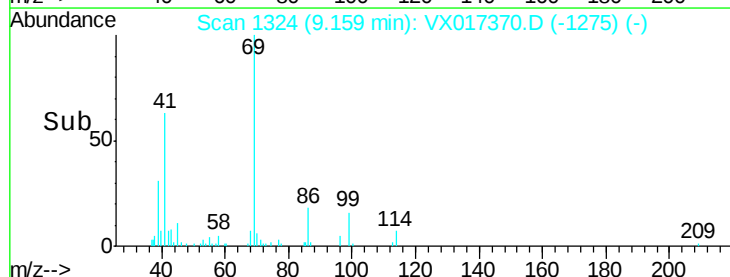
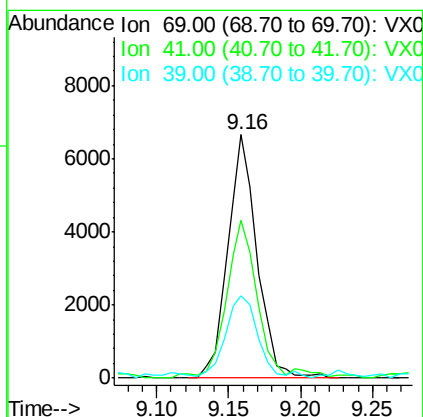
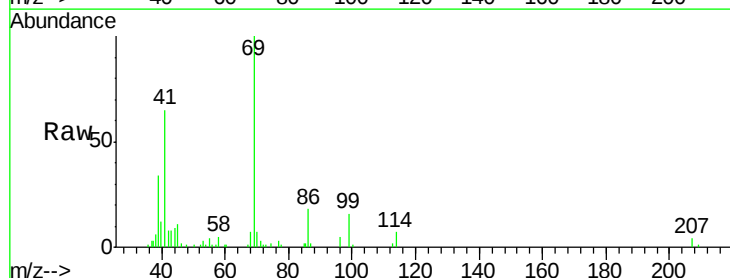
Manual Integrations  
 APPROVED

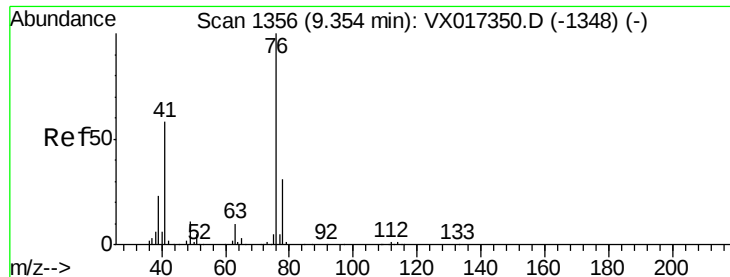
MMDadoda  
 7/15/2020 11:43:14 AM



#56  
 Ethyl methacrylate  
 Concen: 2.015 ug/l  
 RT: 9.16 min Scan# 1324  
 Delta R.T. 0.00 min  
 Lab File: VX017370.D  
 Acq: 14 Jul 2020 11:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 9458  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 66.8  | 52.6  | 78.8  |
| 39       | 35.4  | 28.8  | 43.2  |





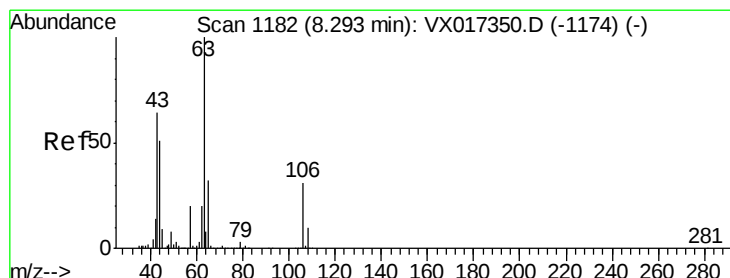
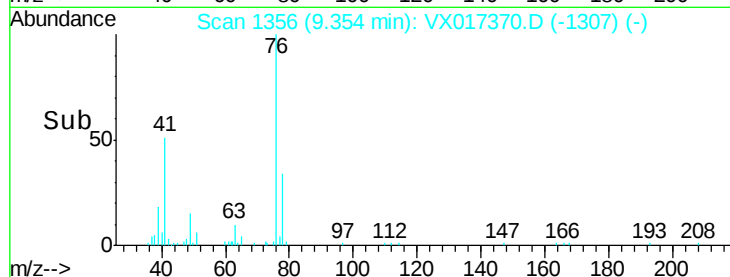
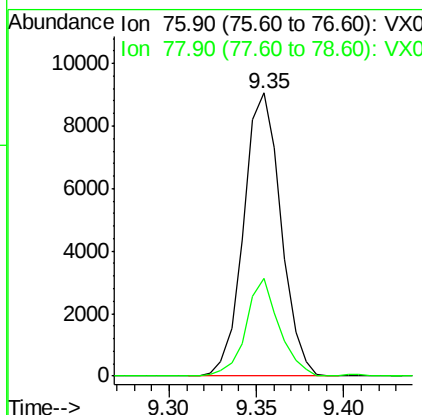
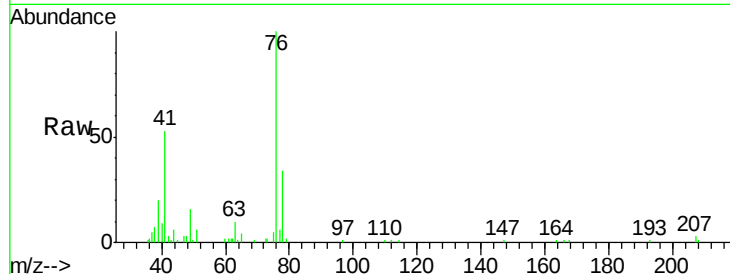
#57  
 1,3-Dichloropropane  
 Concen: 2.437 ug/l  
 RT: 9.35 min Scan# 1356  
 Delta R.T. 0.00 min  
 Lab File: VX017370.D  
 Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 30.5  | 25.8  | 38.6  |

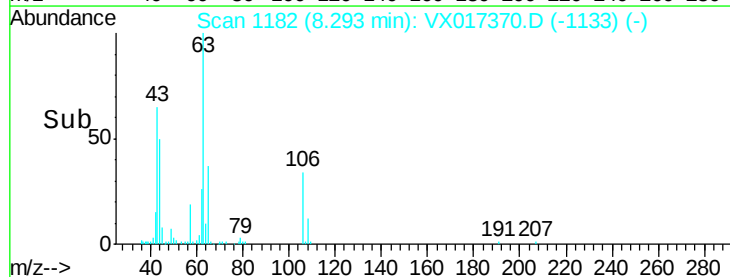
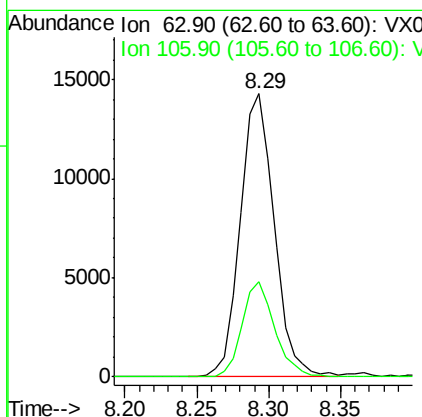
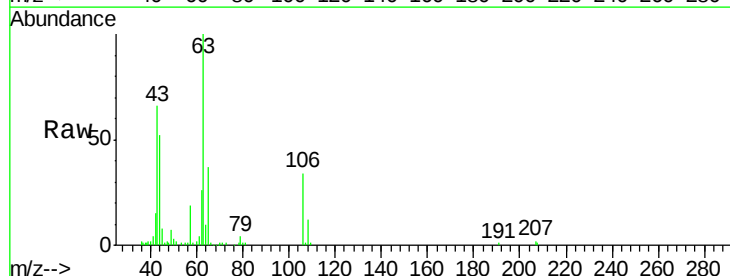
Manual Integrations  
 APPROVED

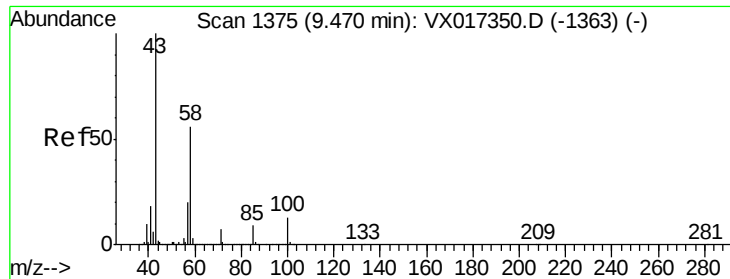
MMDadoda  
 7/15/2020 11:43:14 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 9.805 ug/l  
 RT: 8.29 min Scan# 1182  
 Delta R.T. 0.00 min  
 Lab File: VX017370.D  
 Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 31.9  | 24.8  | 37.2  |





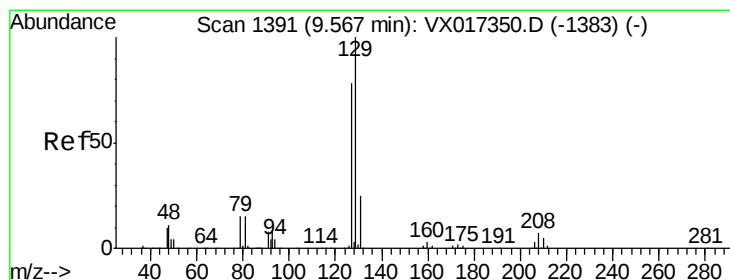
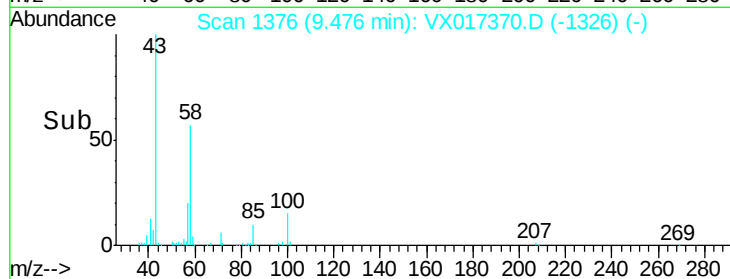
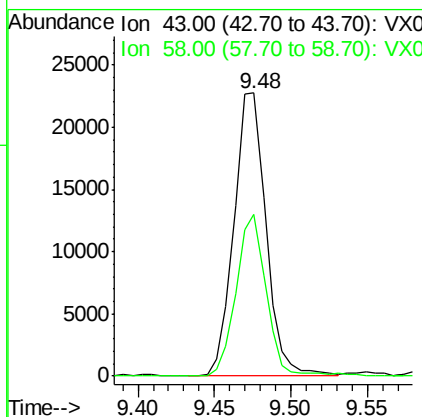
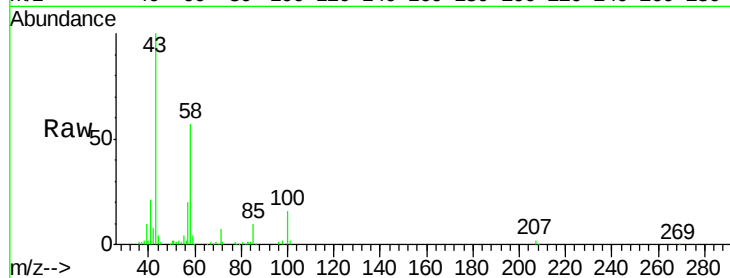
#59  
2-Hexanone  
Concen: 10.156 ug/l  
RT: 9.48 min Scan# 1376  
Delta R.T. 0.01 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion   | 43   | Resp  | 33206 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 43        | 100  |       |       |
| 58        | 53.6 | 28.1  | 84.3  |

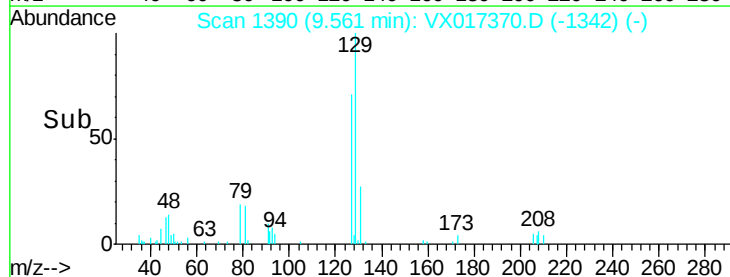
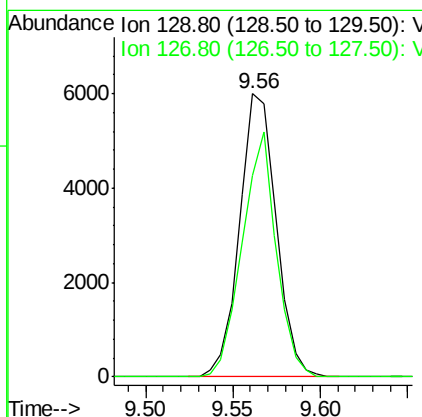
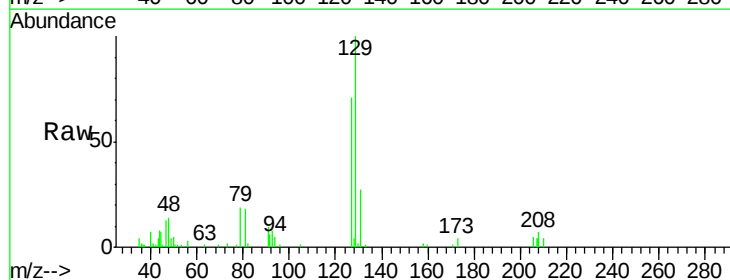
Manual Integrations  
APPROVED

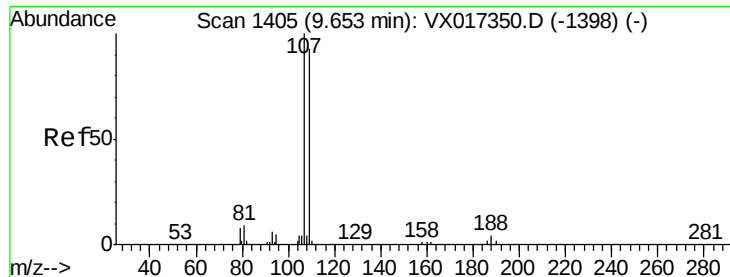
MMDadoda  
7/15/2020 11:43:14 AM



#60  
Dibromochloromethane  
Concen: 2.163 ug/l  
RT: 9.56 min Scan# 1390  
Delta R.T. -0.01 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion   | 129  | Resp  | 8738  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 129       | 100  |       |       |
| 127       | 80.2 | 38.9  | 116.6 |





#61

1,2-Dibromoethane

Concen: 2.253 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 107 Resp: 8102

Ion Ratio Lower Upper

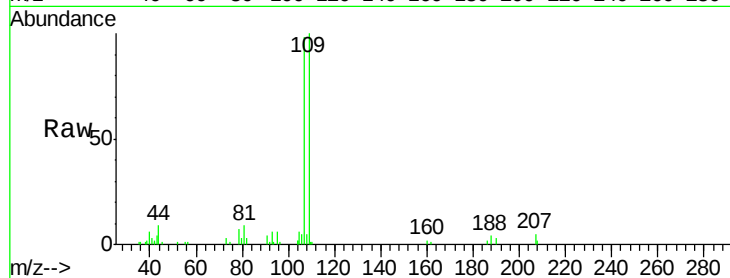
107 100

109 95.1 75.0 112.4

Manual Integrations  
APPROVED

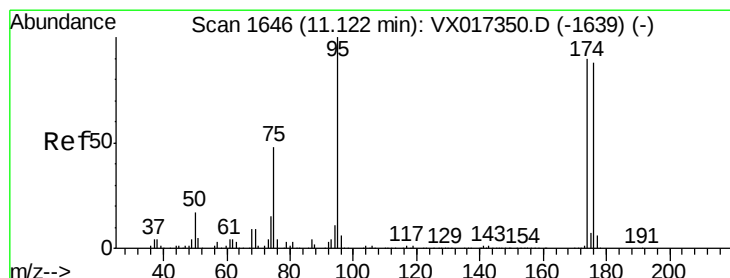
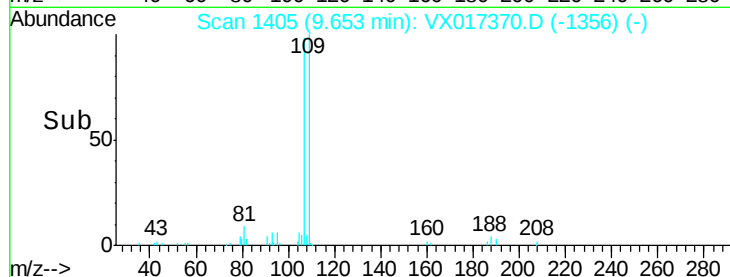
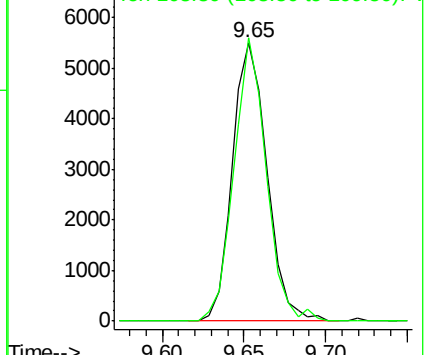
MMDadoda

7/15/2020 11:43:14 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 40.787 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

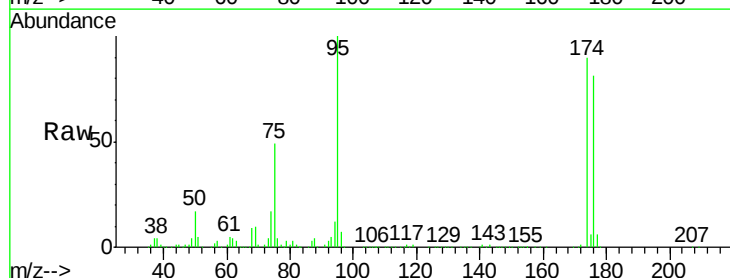
Tgt Ion: 95 Resp: 184006

Ion Ratio Lower Upper

95 100

174 87.0 0.0 175.8

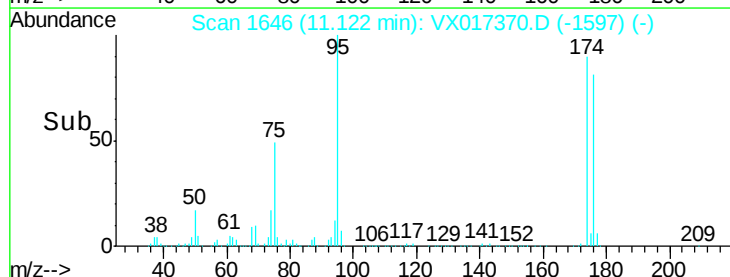
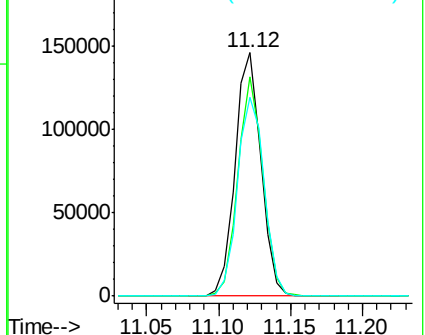
176 84.0 0.0 164.6

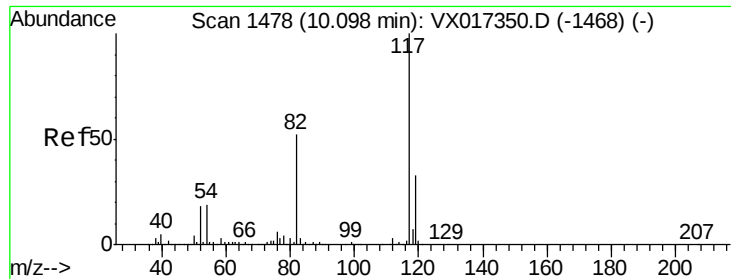


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





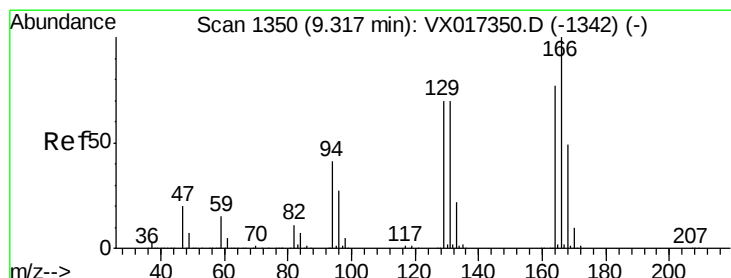
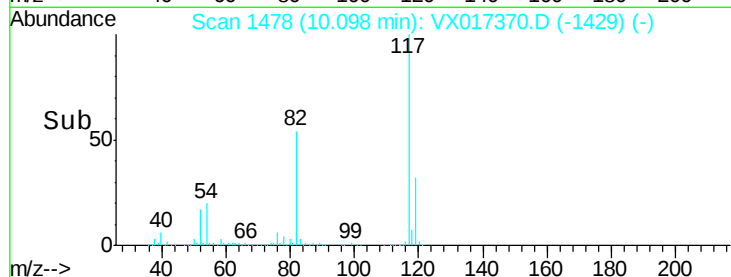
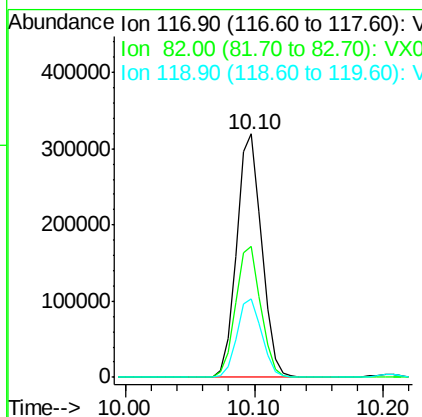
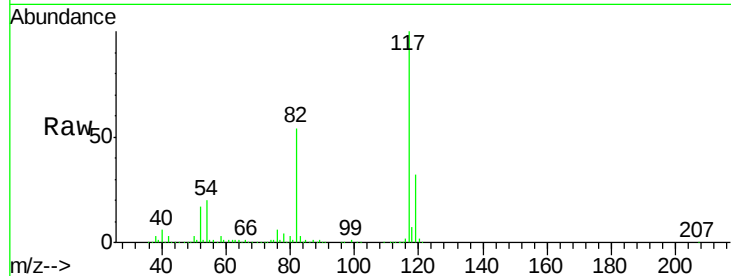
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.8  | 42.0  | 63.0  |
| 119     | 32.5  | 26.3  | 39.5  |

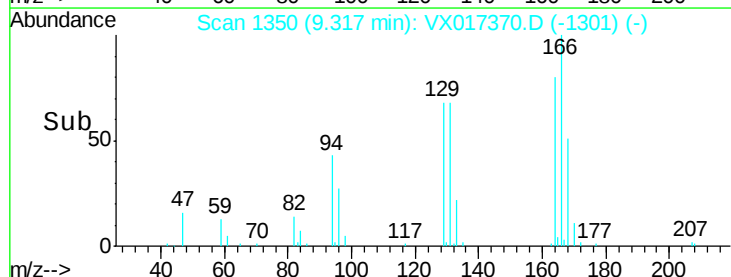
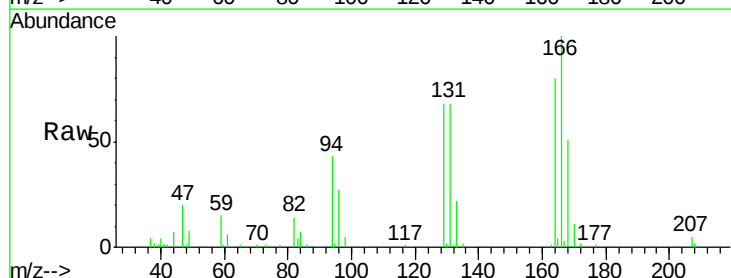
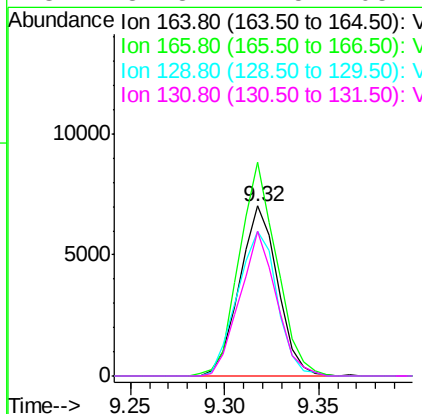
Manual Integrations  
APPROVED

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7/15/2020 11:43:14 AM



#64  
Tetrachloroethene  
Concen: 2.647 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.6 | 103.9 | 155.9 |
| 129     | 85.1  | 72.9  | 109.3 |
| 131     | 84.8  | 72.5  | 108.7 |





#65

Chlorobenzene

Concen: 2.428 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:112 Resp: 21247

Ion Ratio Lower Upper

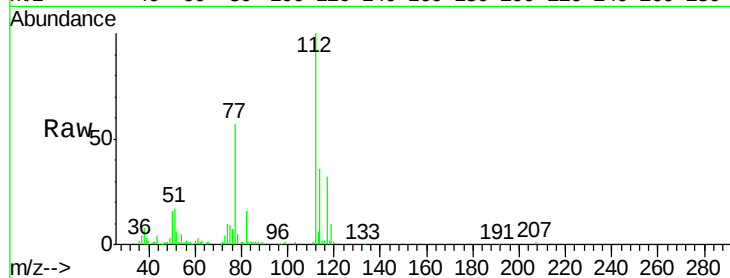
112 100

114 35.7 26.0 39.0

Manual Integrations  
APPROVED

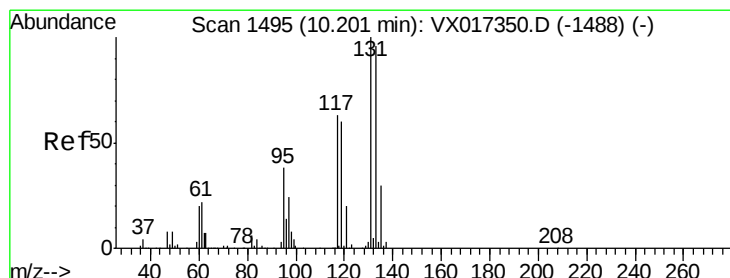
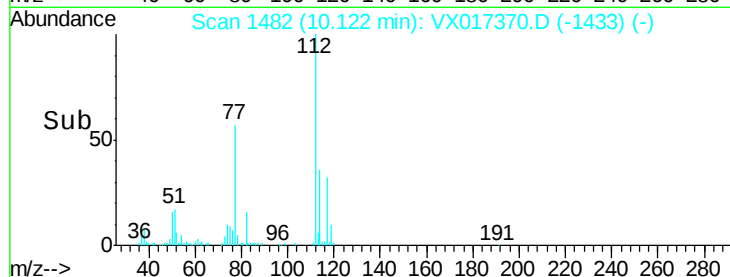
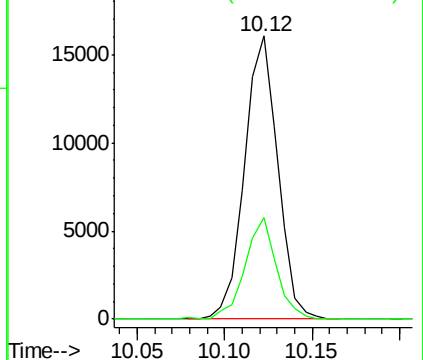
MMDadoda

7/15/2020 11:43:14 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: 2.354 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

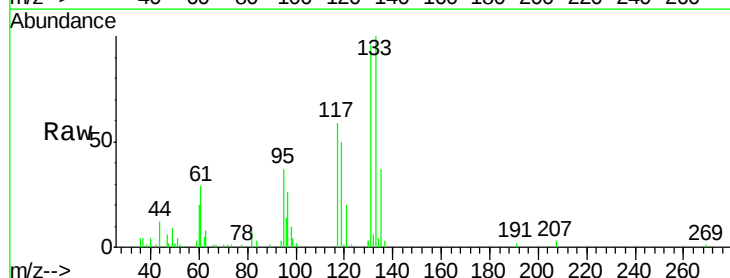
Tgt Ion:131 Resp: 8201

Ion Ratio Lower Upper

131 100

133 102.4 48.4 145.2

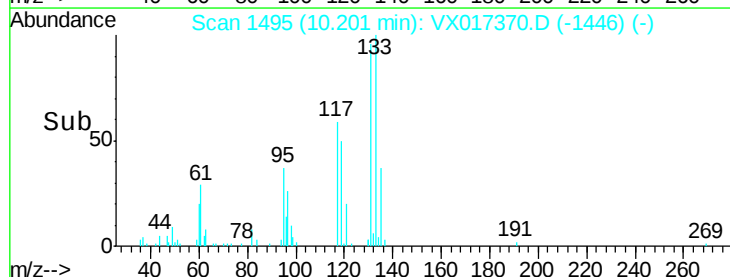
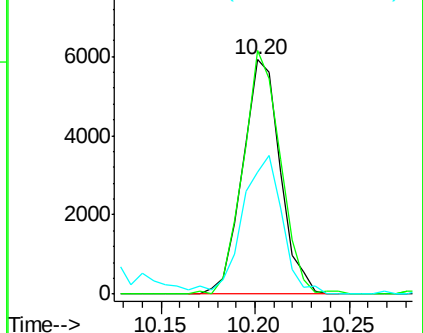
119 62.8 31.2 93.6

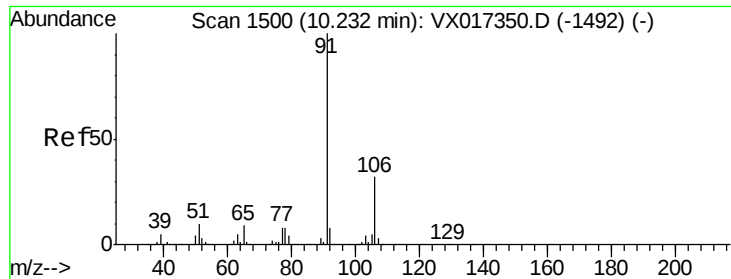


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





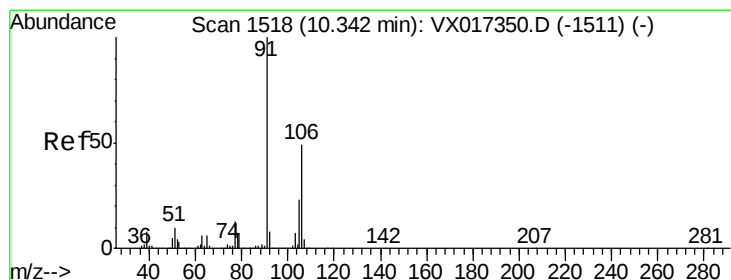
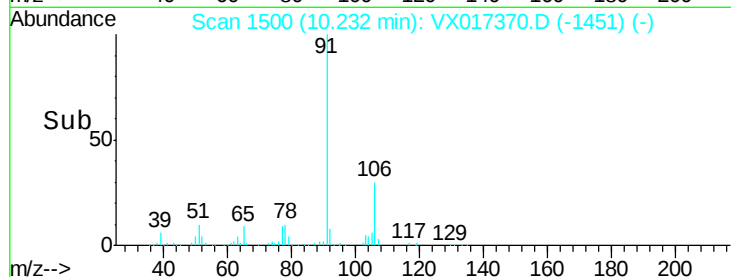
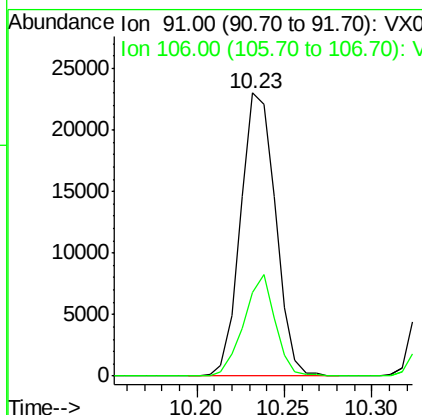
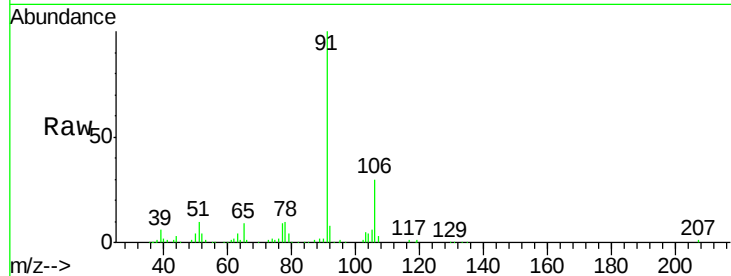
#67  
Ethyl Benzene  
Concen: 2.201 ug/l  
RT: 10.23 min Scan# 1500  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

Tot Ion: 91 Resp: 32071  
Ion Ratio Lower Upper  
91 100  
106 29.6 25.7 38.5

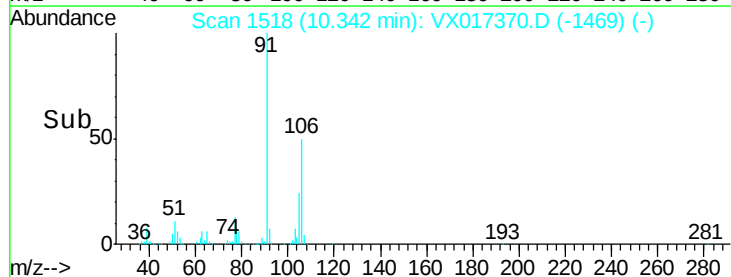
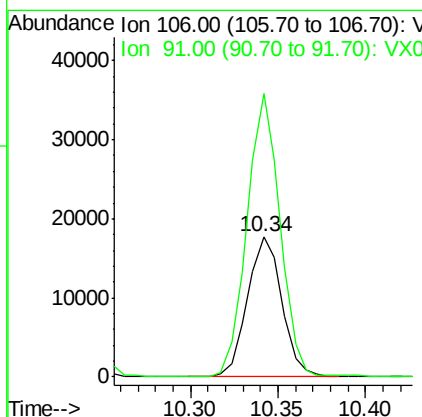
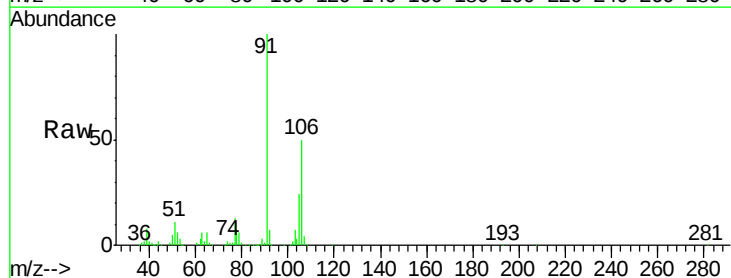
Manual Integrations  
APPROVED

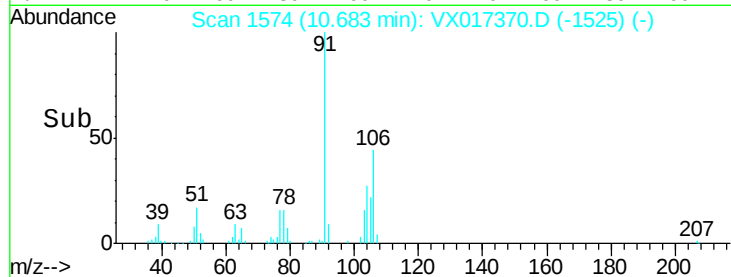
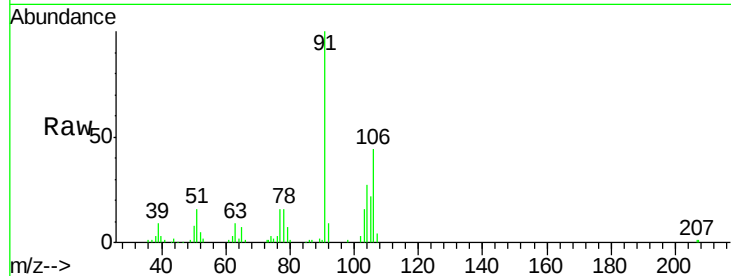
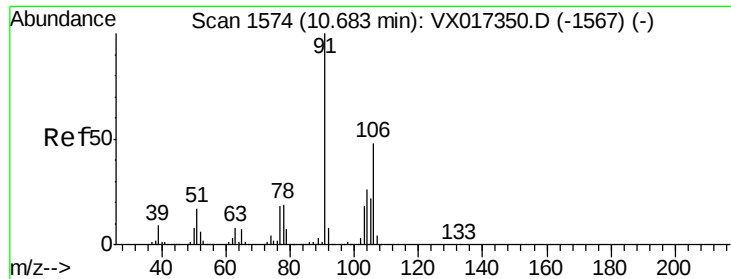
MMDadoda  
7/15/2020 11:43:14 AM



#68  
m/p-Xylenes  
Concen: 4.383 ug/l  
RT: 10.34 min Scan# 1518  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

Tgt Ion: 106 Resp: 24300  
Ion Ratio Lower Upper  
106 100  
91 194.4 162.5 243.7





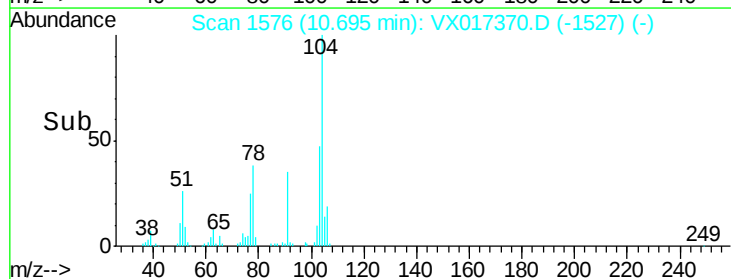
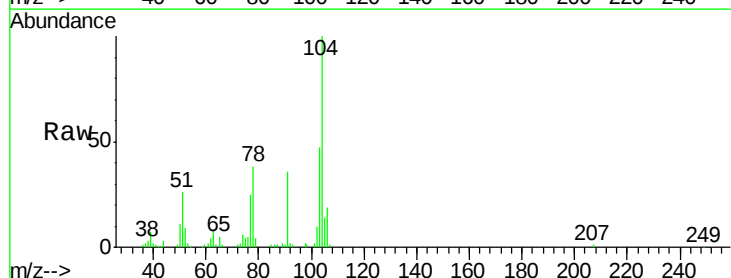
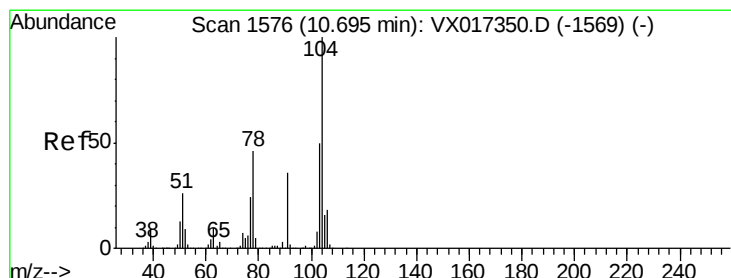
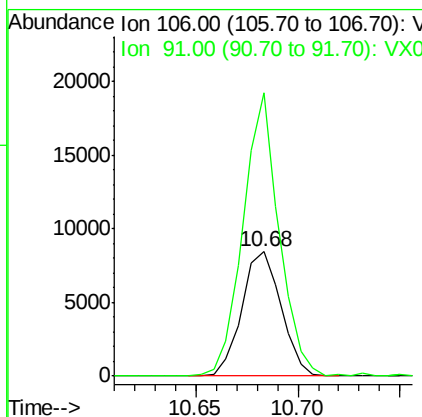
#69  
o-Xylene  
Concen: 2.130 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

Tot Ion:106 Resp: 11281  
Ion Ratio Lower Upper  
106 100  
91 208.7 106.1 318.1

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

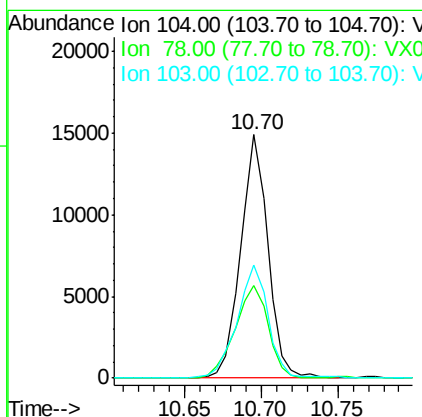
Manual Integrations  
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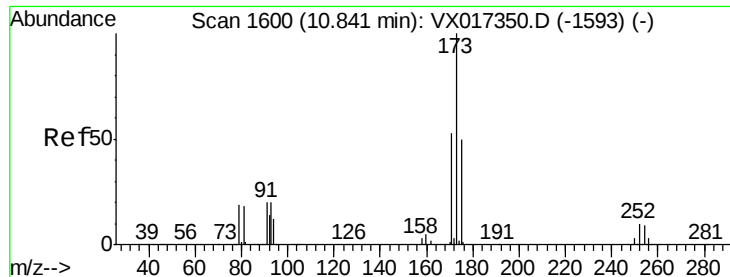
MMDadoda  
7/15/2020 11:43:14 AM



#70  
Styrene  
Concen: 2.031 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

Tgt Ion:104 Resp: 18471  
Ion Ratio Lower Upper  
104 100  
78 46.4 40.8 61.2  
103 53.5 43.3 64.9





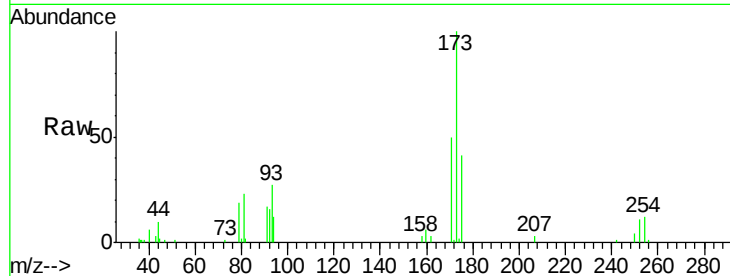
#71  
Bromoform  
Concen: 2.277 ug/l  
RT: 10.84 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

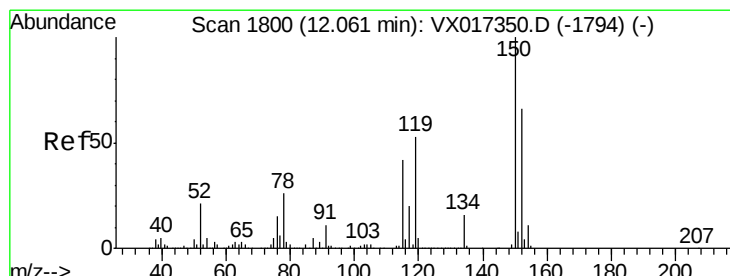
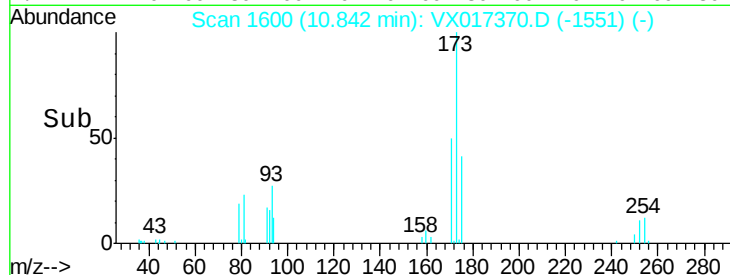
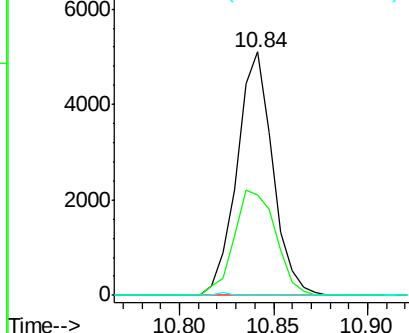
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 50.8  | 24.7  | 74.1  |
| 254     | 0.4   | 0.1   | 0.1   |

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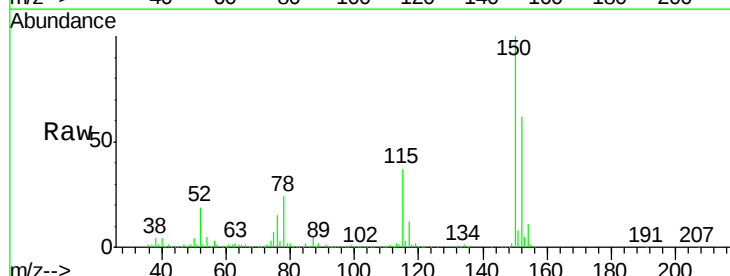


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

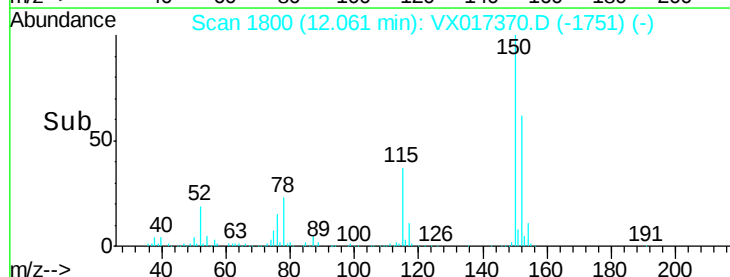
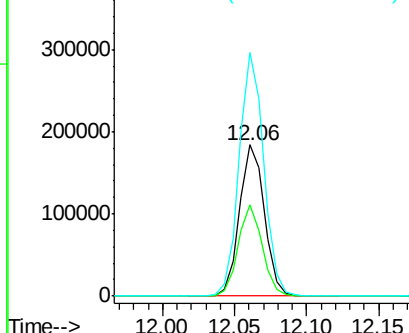


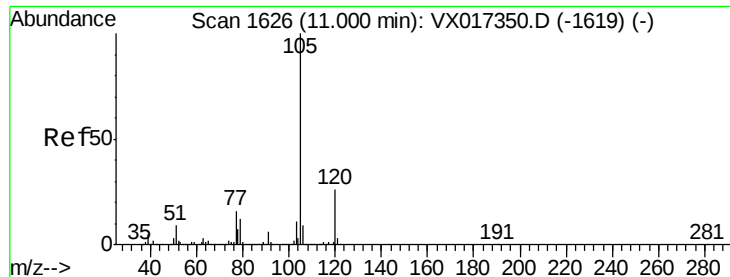
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.6  | 39.9  | 119.7 |
| 150     | 158.6 | 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: 2.117 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 105 Resp: 29327

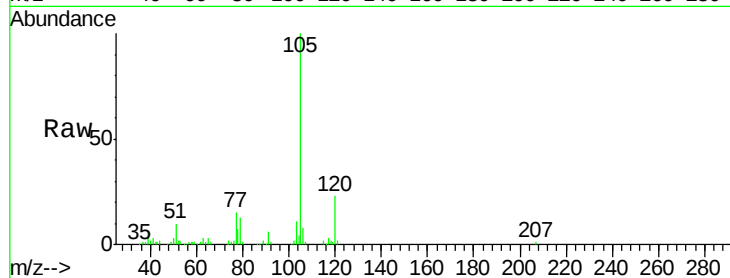
Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8

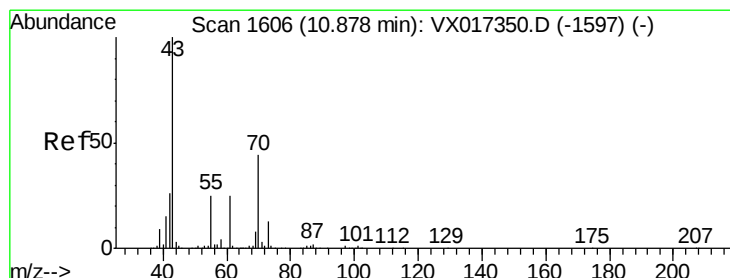
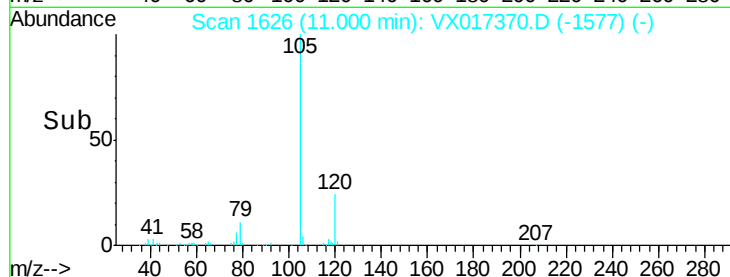
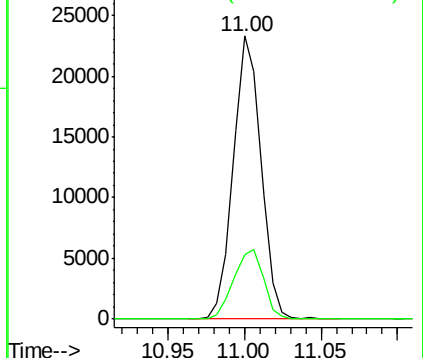
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.012 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Tgt Ion: 43 Resp: 11156

Ion Ratio Lower Upper

43 100

70 44.3 35.7 53.5

55 30.4 20.3 30.5

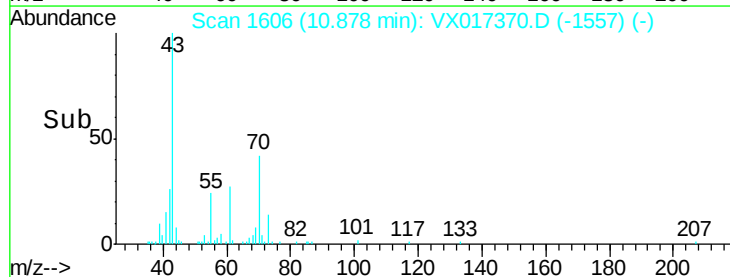
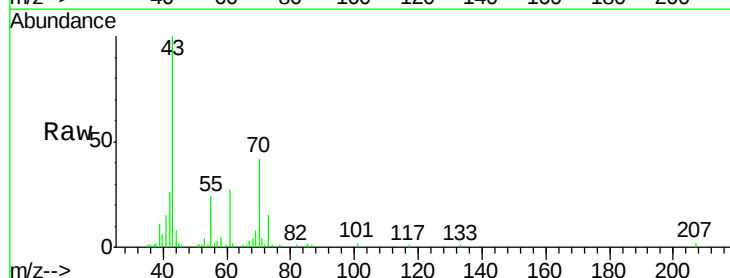
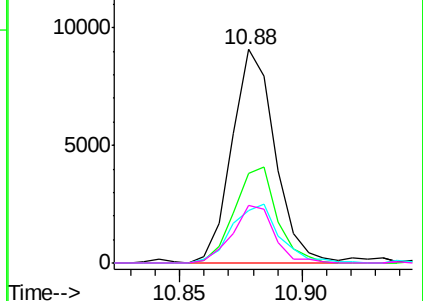
61 26.0 20.0 30.0

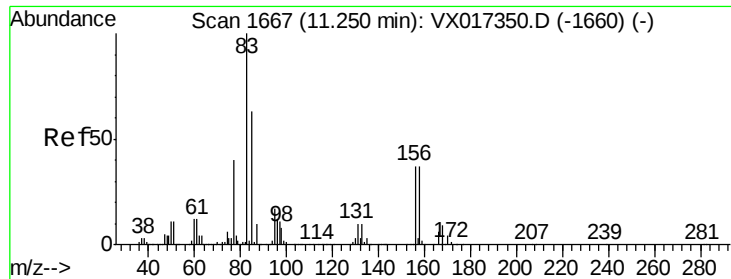
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 2.565 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

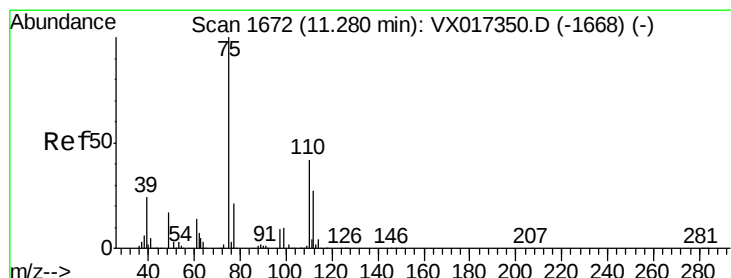
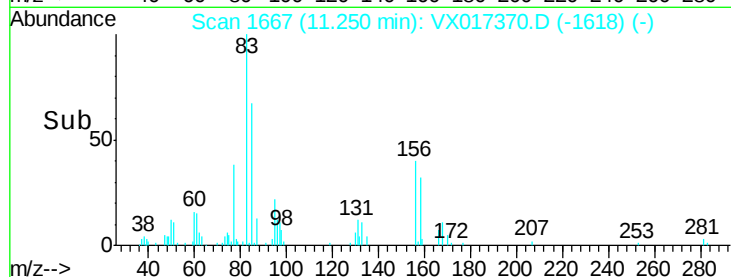
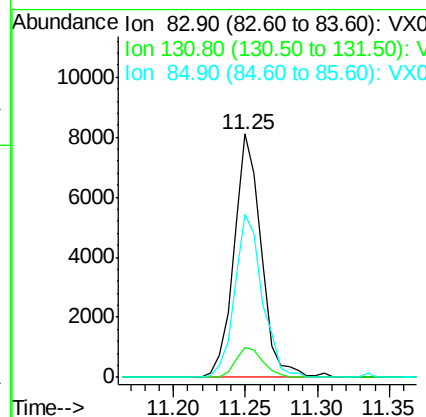
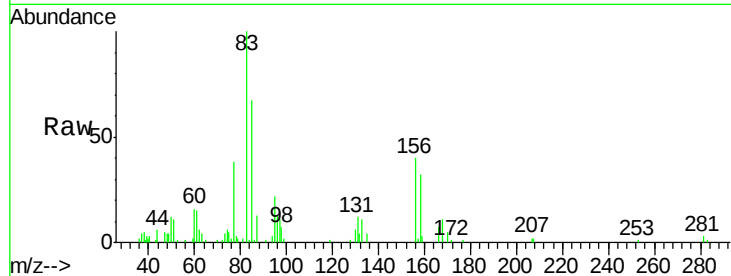
ClientSampleId :

MDL-WATER-03-QT3-2020

| Tot Ion   | 83   | Resp  | 10790 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 131       | 12.3 | 5.5   | 16.7  |
| 85        | 67.5 | 32.6  | 98.0  |

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#76

1,2,3-Trichloropropane

Concen: 2.673 ug/l m

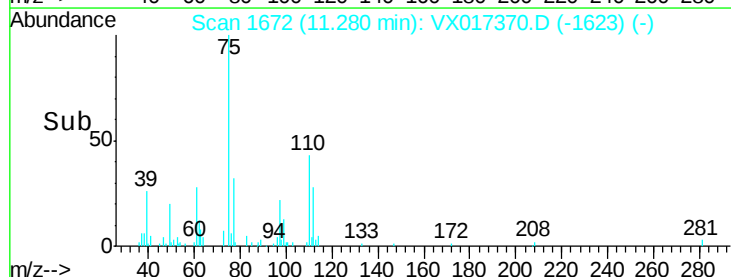
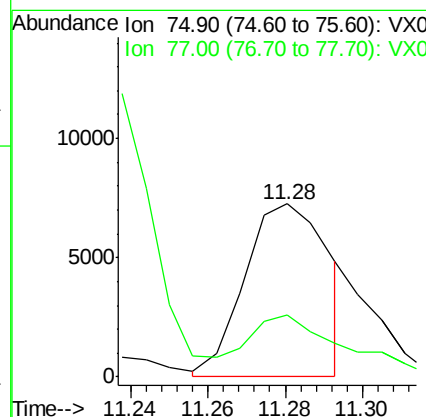
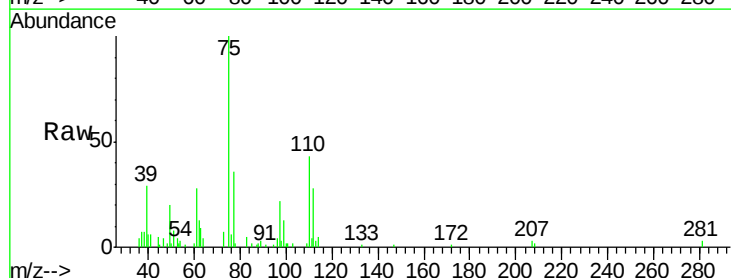
RT: 11.28 min Scan# 1672

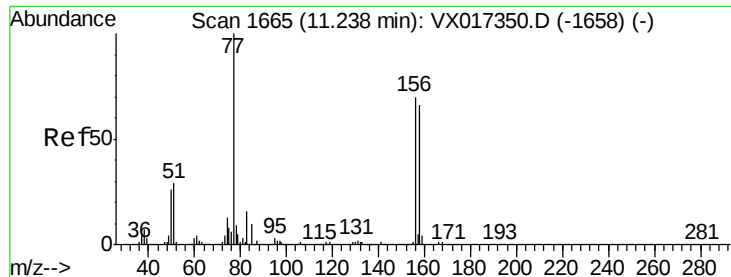
Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

| Tgt Ion   | 75   | Resp  | 10919 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 75        | 100  |       |       |
| 77        | 41.4 | 20.3  | 60.9  |





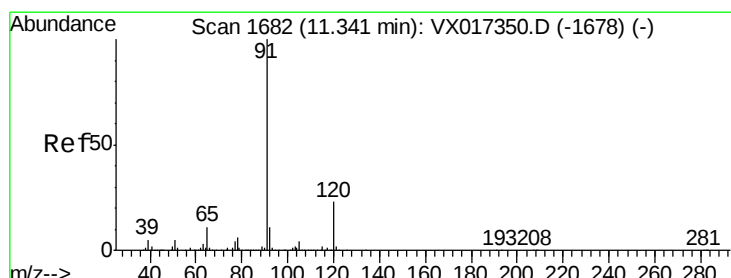
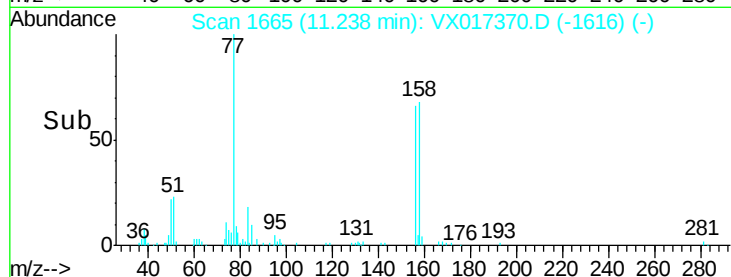
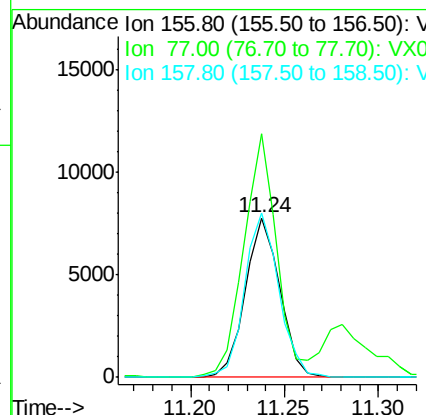
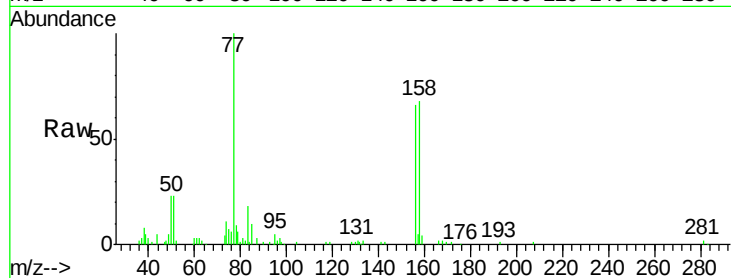
#77  
Bromobenzene  
Concen: 2.506 ug/l  
RT: 11.24 min Scan# 1665  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 146.3 | 72.1  | 216.3 |
| 158     | 102.0 | 47.4  | 142.3 |

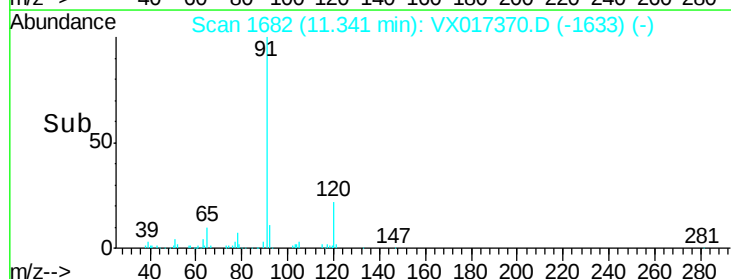
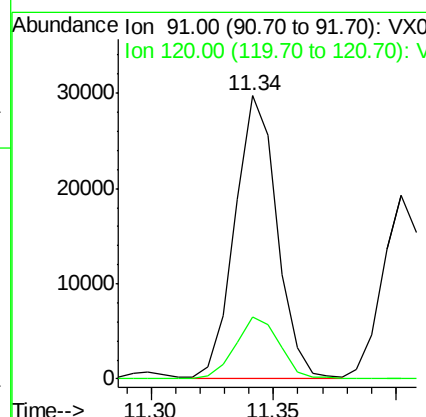
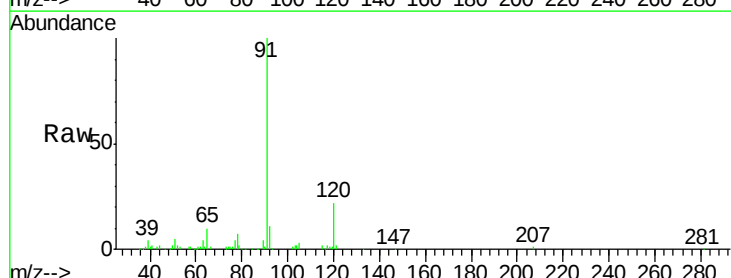
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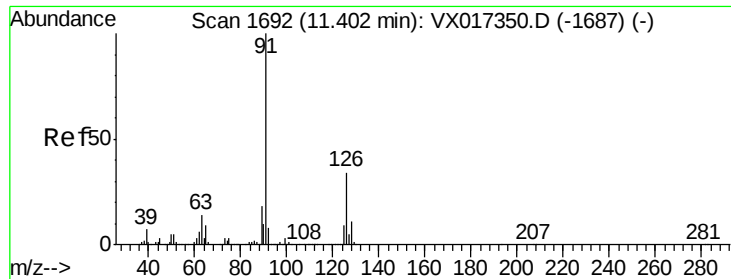
MMDadoda  
7/15/2020 11:43:14 AM



#78  
n-propylbenzene  
Concen: 2.290 ug/l  
RT: 11.34 min Scan# 1682  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.8  | 11.9  | 35.9  |





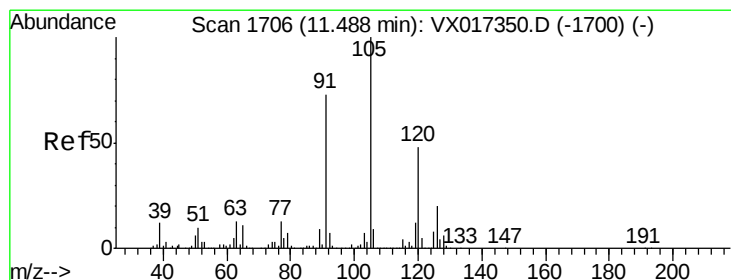
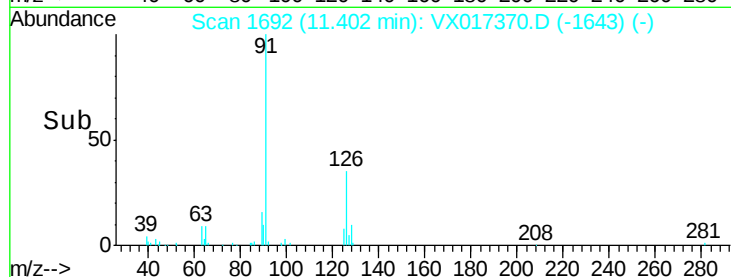
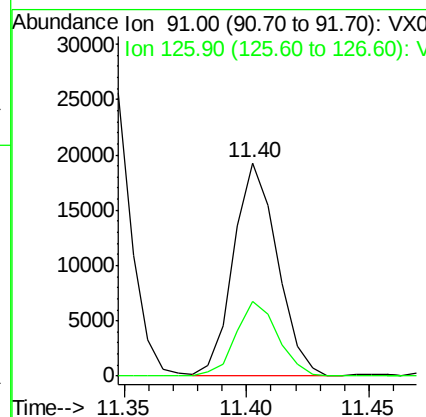
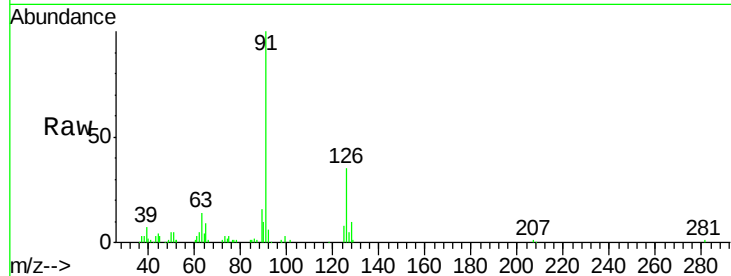
#79  
 2-Chlorotoluene  
 Concen: 2.512 ug/l  
 RT: 11.40 min Scan# 1692  
 Delta R.T. 0.00 min  
 Lab File: VX017370.D  
 Acq: 14 Jul 2020 11:49

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

Tot Ion: 91 Resp: 24091  
 Ion Ratio Lower Upper  
 91 100  
 126 33.4 17.4 52.3

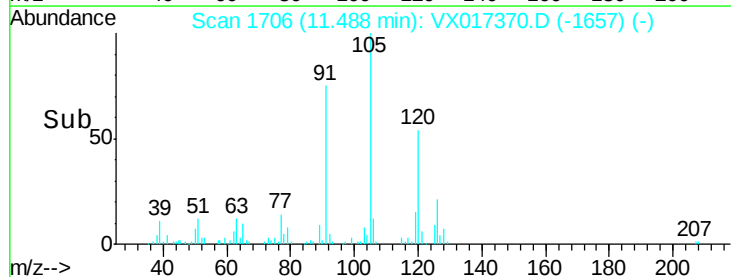
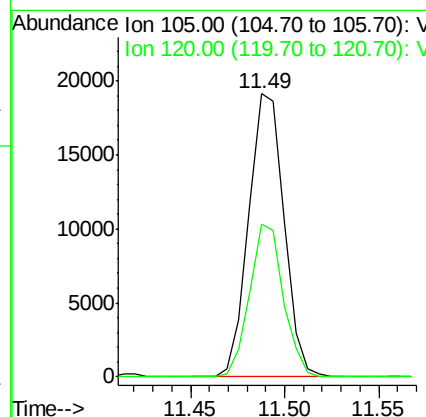
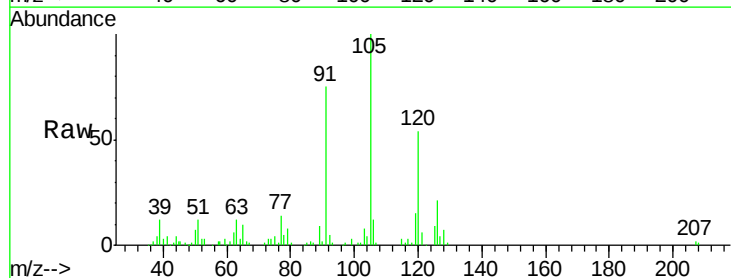
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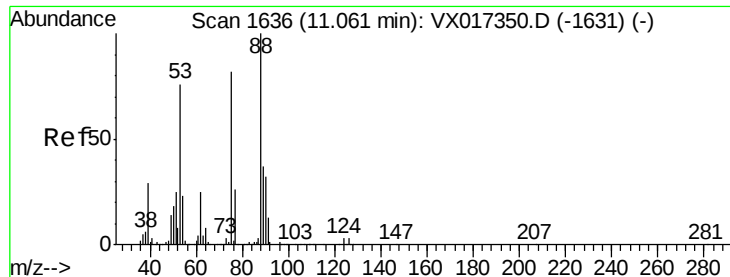
MMDadoda  
 7/15/2020 11:43:14 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 2.124 ug/l  
 RT: 11.49 min Scan# 1706  
 Delta R.T. 0.00 min  
 Lab File: VX017370.D  
 Acq: 14 Jul 2020 11:49

Tgt Ion: 105 Resp: 24977  
 Ion Ratio Lower Upper  
 105 100  
 120 51.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 2.093 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

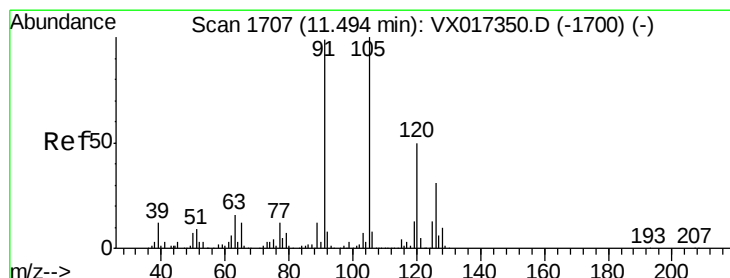
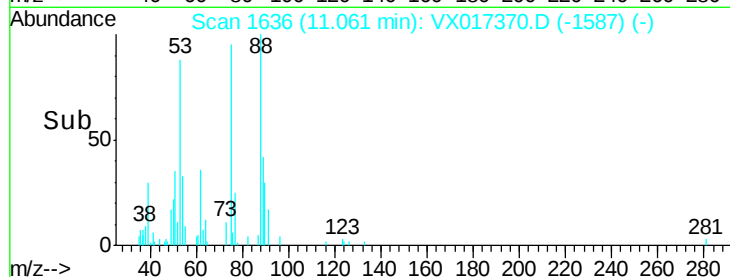
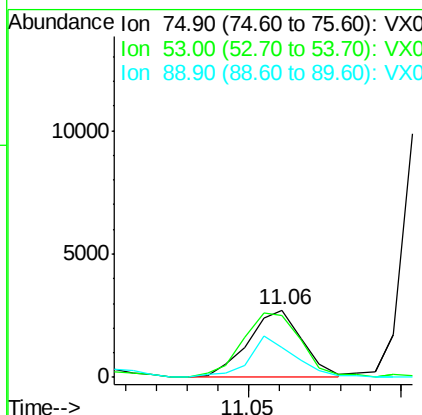
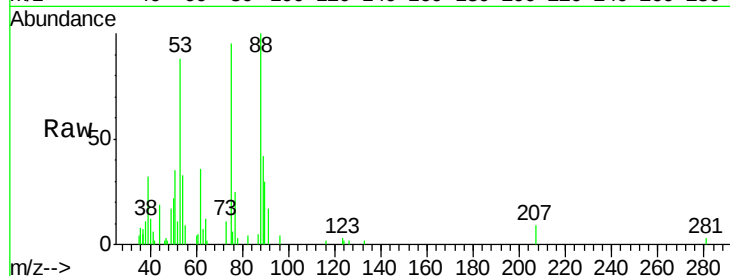
ClientSampleId :

MDL-WATER-03-QT3-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 3370  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 103.5 | 76.5  | 114.7 |
| 89       | 52.0  | 38.1  | 57.1  |

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#82

4-Chlorotoluene

Concen: 2.192 ug/l

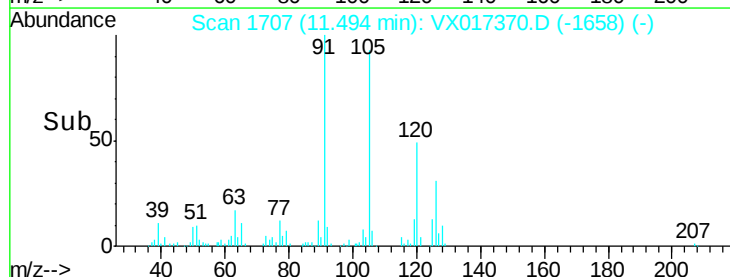
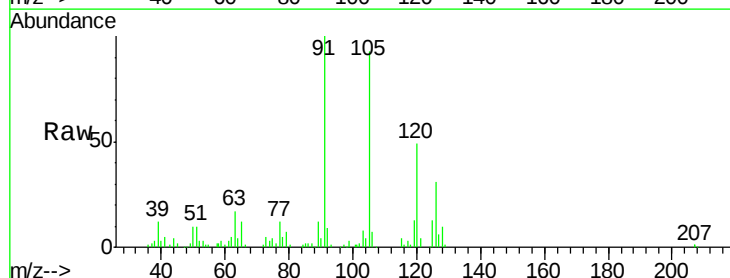
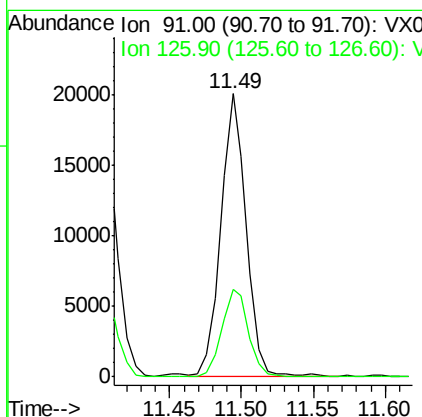
RT: 11.49 min Scan# 1707

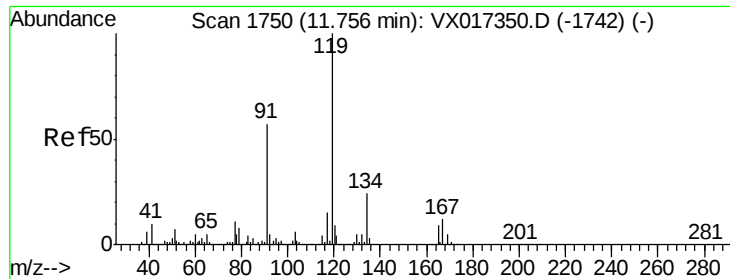
Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 24907 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 32.2  | 15.4  | 46.2  |





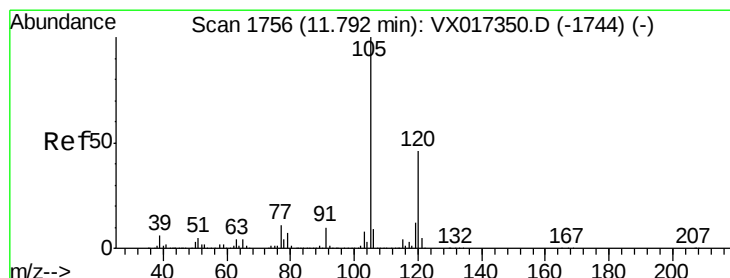
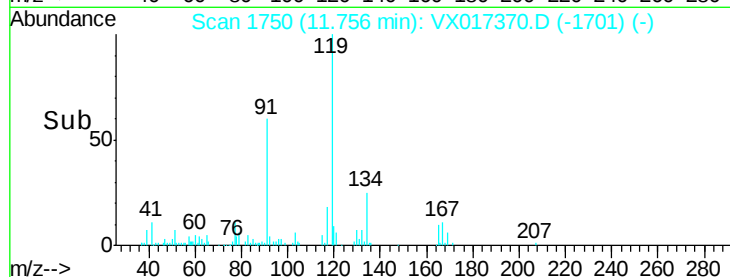
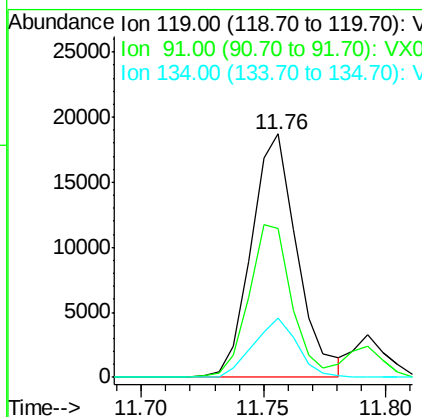
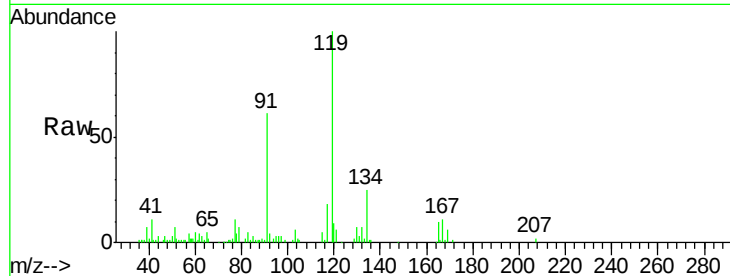
#83  
tert-Butylbenzene  
Concen: 2.140 ug/l  
RT: 11.76 min Scan# 1750  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 58.7  | 28.5  | 85.6  |
| 134     | 23.4  | 11.9  | 35.9  |

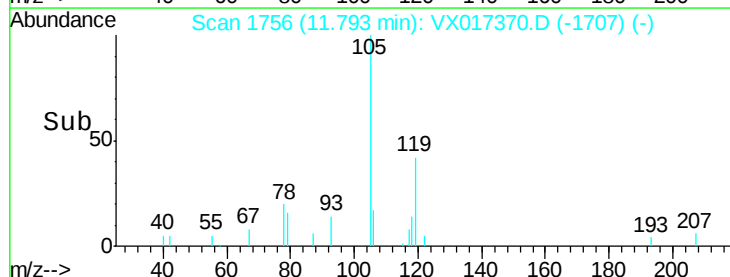
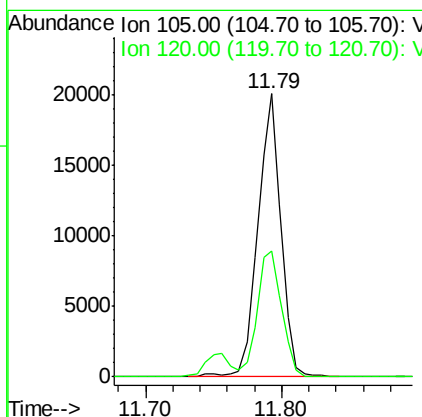
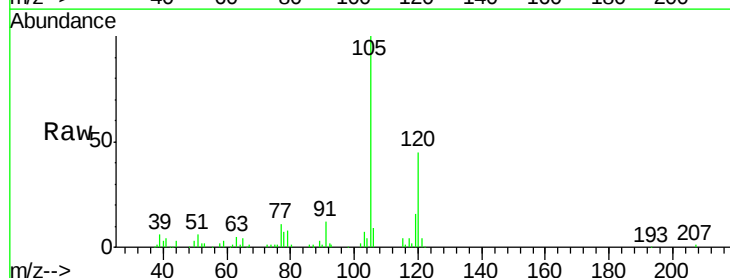
Manual Integrations  
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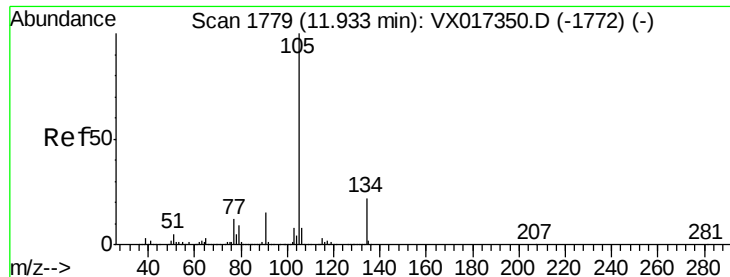
MMDadoda  
7/15/2020 11:43:14 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 2.011 ug/l  
RT: 11.79 min Scan# 1756  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.2  | 22.8  | 68.4  |





#85

sec-Butylbenzene

Concen: 2.078 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:105 Resp: 27658

Ion Ratio Lower Upper

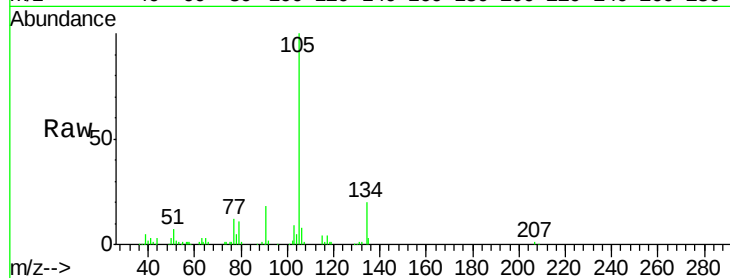
105 100

134 20.6 10.5 31.5

Manual Integrations  
APPROVED

MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

25000

20000

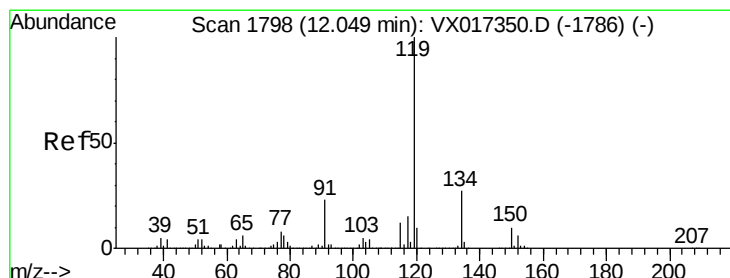
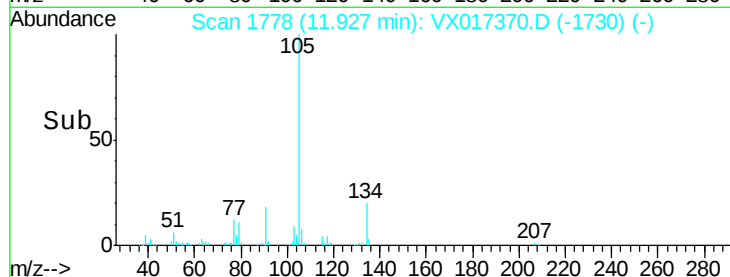
15000

10000

5000

0

Time-->



#86

p-Isopropyltoluene

Concen: 2.029 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

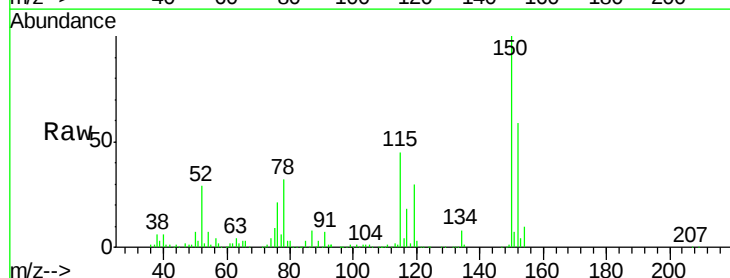
Tgt Ion:119 Resp: 25552

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

91 26.5 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

12.05

25000

20000

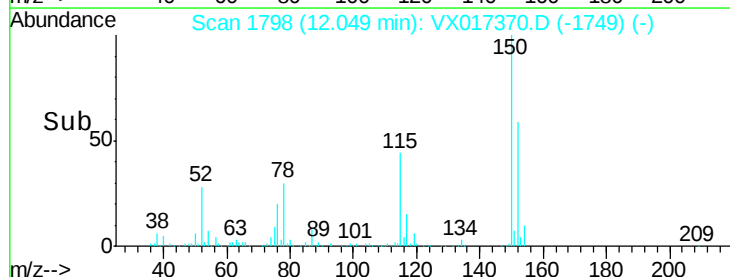
15000

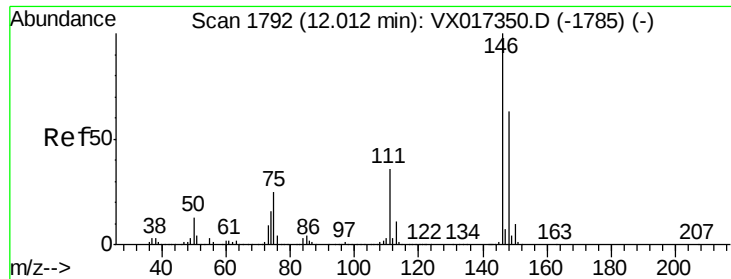
10000

5000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 2.368 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

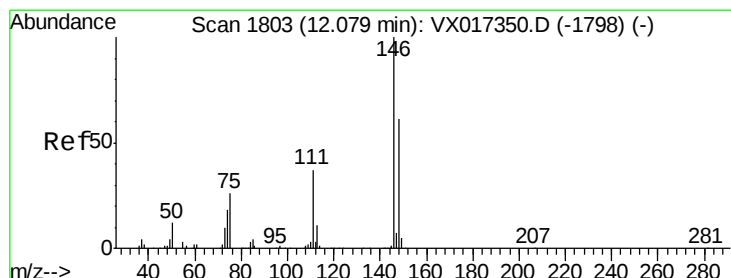
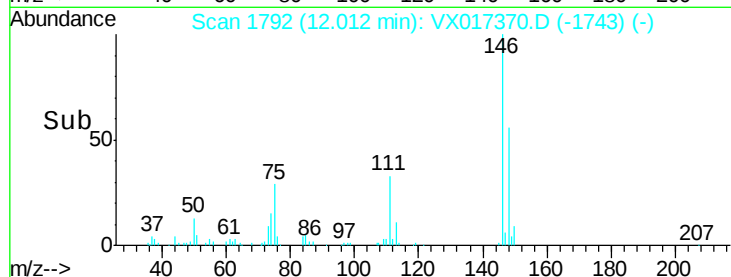
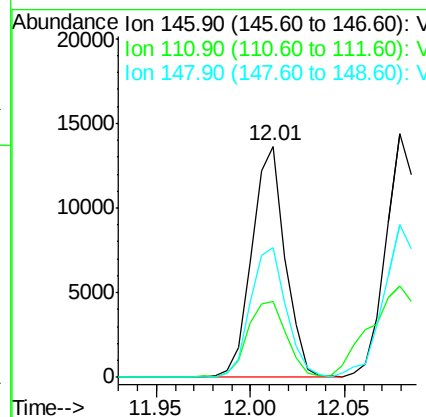
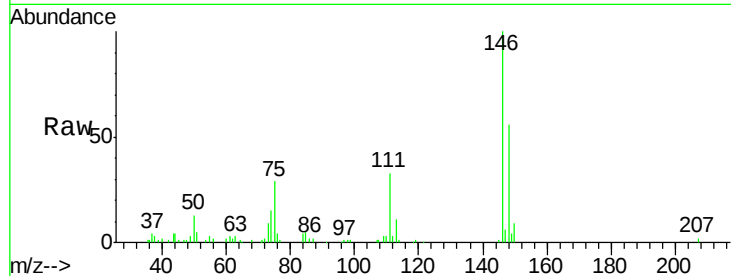
ClientSampleId :

MDL-WATER-03-QT3-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 146   | Resp: | 16720 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 38.4  | 19.2  | 57.6  |
| 148       | 60.5  | 31.6  | 95.0  |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 2.459 ug/l

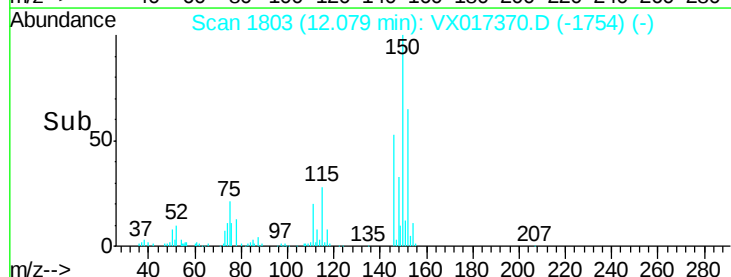
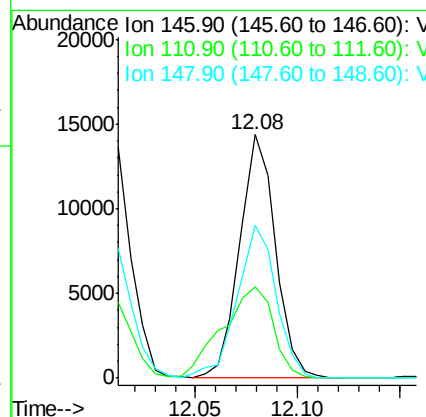
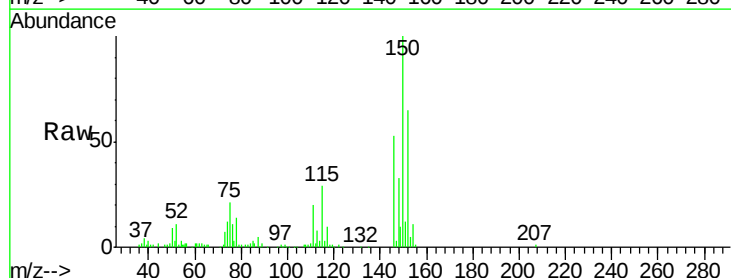
RT: 12.08 min Scan# 1803

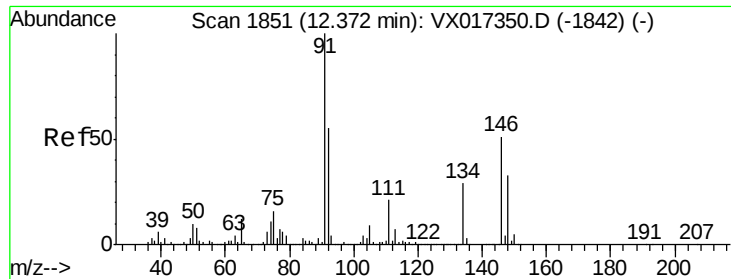
Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 17542 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 53.1  | 18.9  | 56.9  |
| 148       | 68.5  | 31.9  | 95.9  |





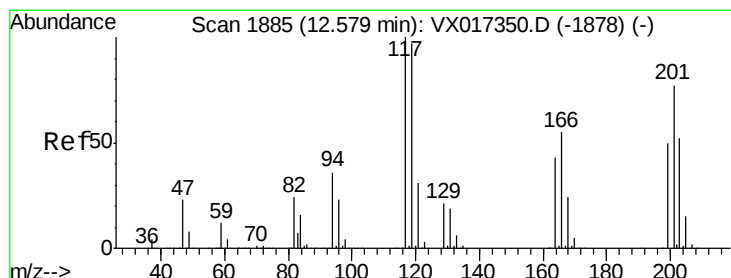
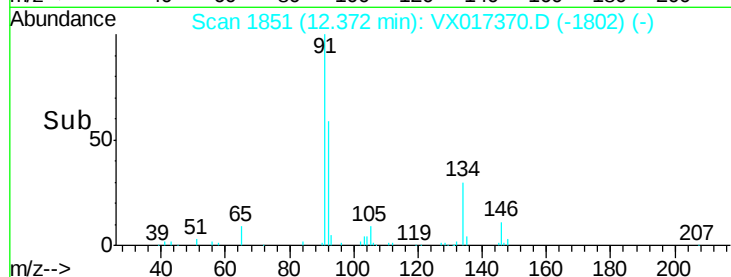
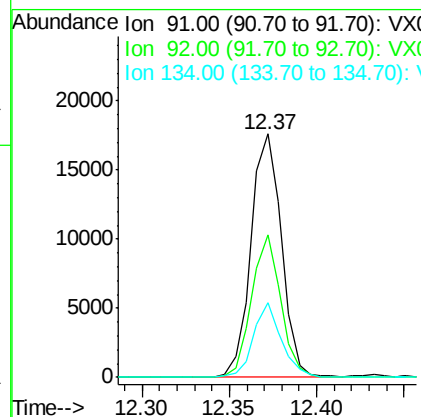
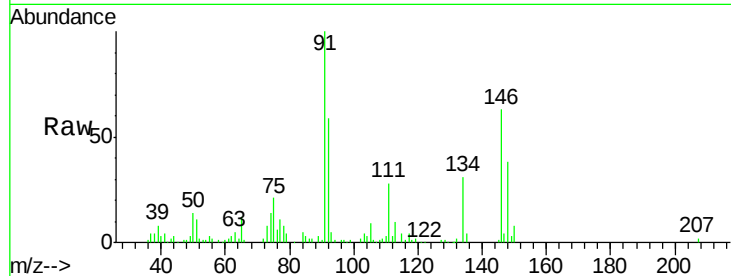
#89  
n-Butylbenzene  
Concen: 1.991 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 55.7  | 27.0  | 81.0  |
| 134     | 28.0  | 14.1  | 42.2  |

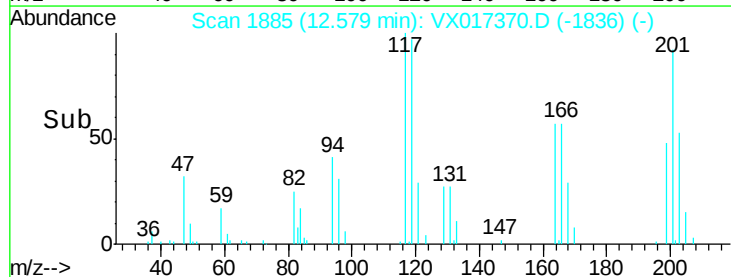
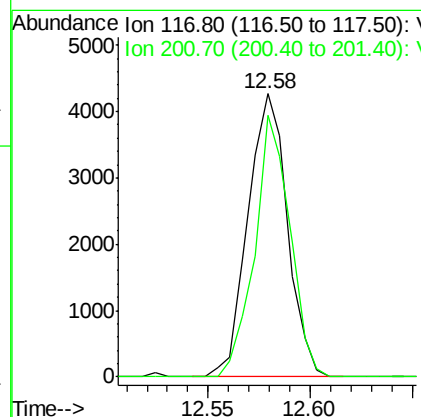
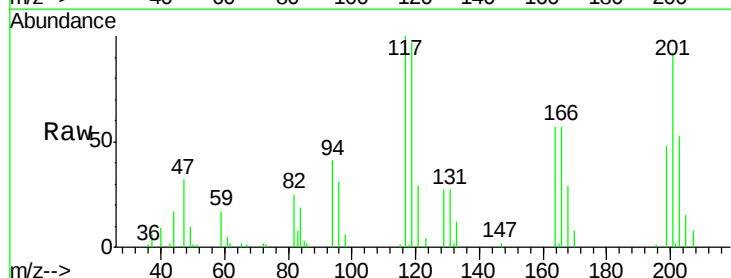
Manual Integrations  
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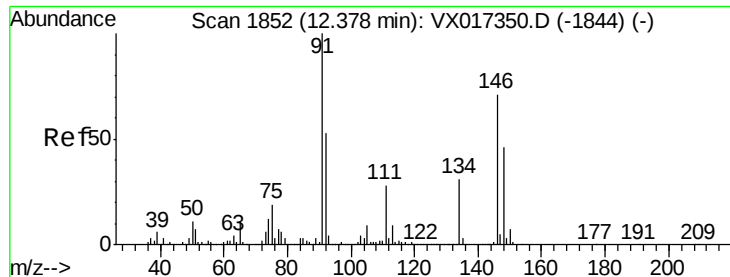
MMDadoda  
7/15/2020 11:43:14 AM



#90  
Hexachloroethane  
Concen: 2.394 ug/l  
RT: 12.58 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VX017370.D  
Acq: 14 Jul 2020 11:49

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





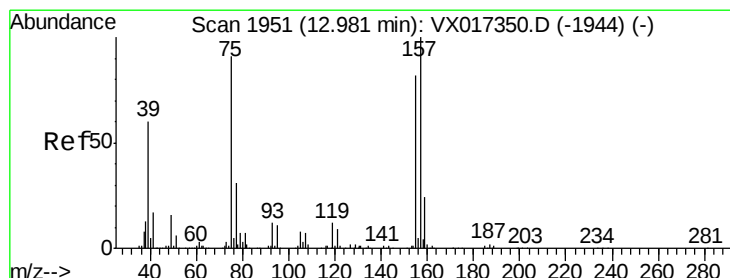
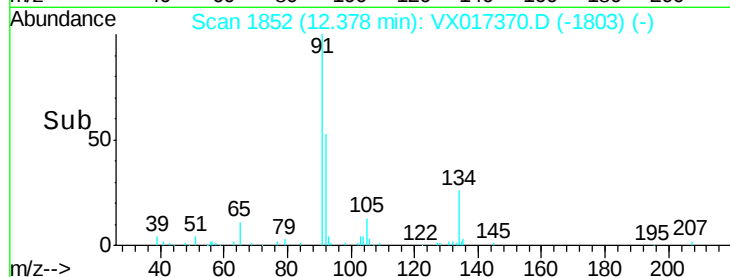
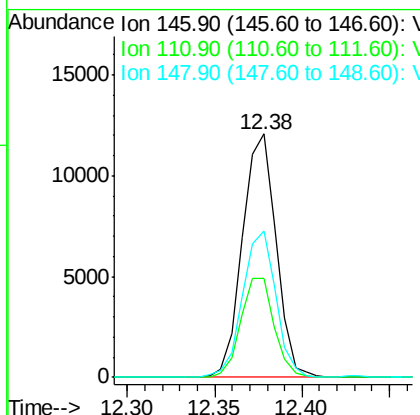
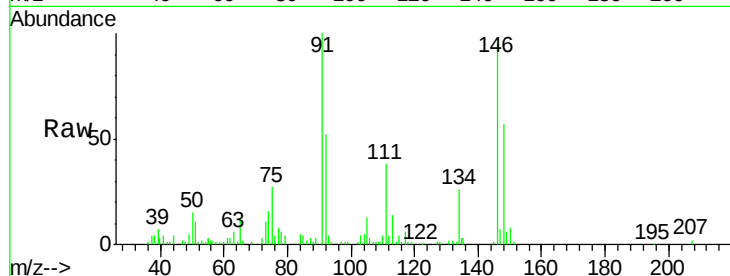
#91  
 1,2-Dichlorobenzene  
 Concen: 2.436 ug/l  
 RT: 12.38 min Scan# 1852  
 Delta R.T. 0.00 min  
 Lab File: VX017370.D  
 Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 20.3  | 61.0  |
| 148     | 59.3  | 32.0  | 96.0  |

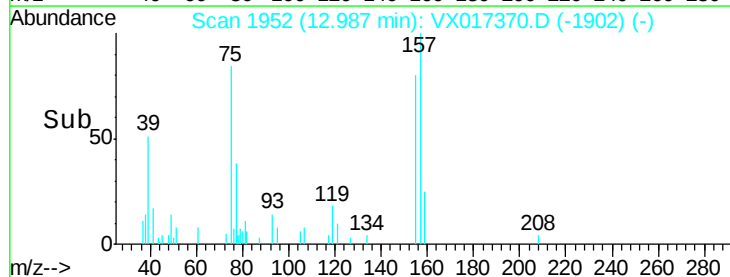
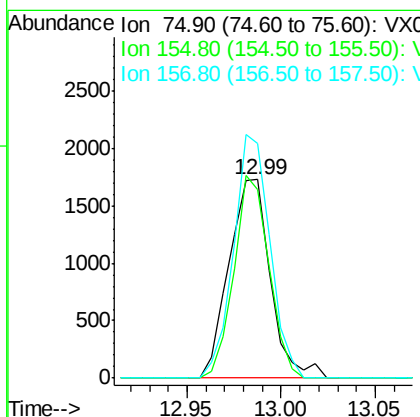
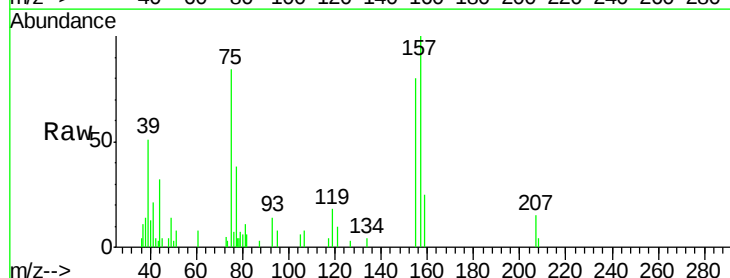
Manual Integrations  
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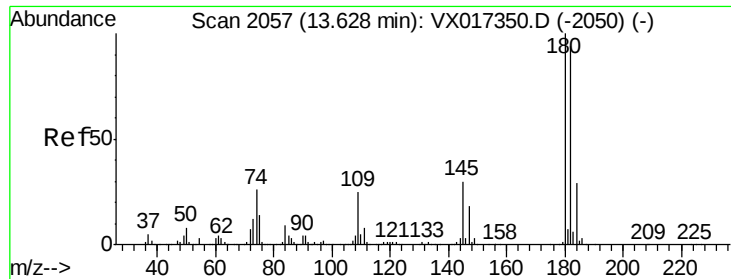
MMDadoda  
 7/15/2020 11:43:14 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 2.373 ug/l  
 RT: 12.99 min Scan# 1952  
 Delta R.T. 0.01 min  
 Lab File: VX017370.D  
 Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 85.9  | 46.5  | 139.3 |
| 157     | 107.7 | 58.0  | 173.9 |





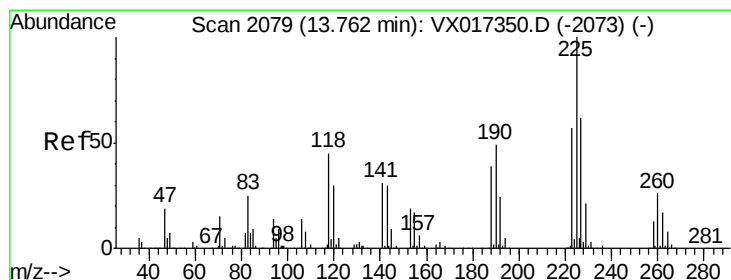
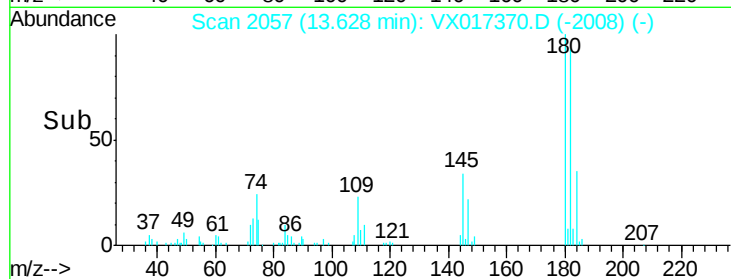
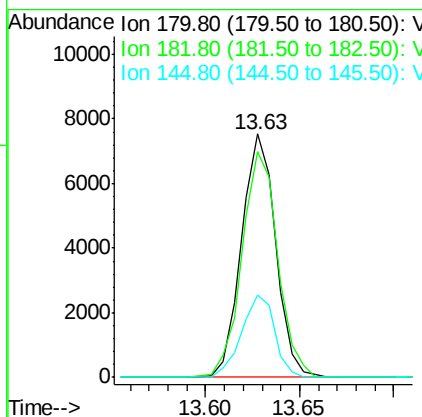
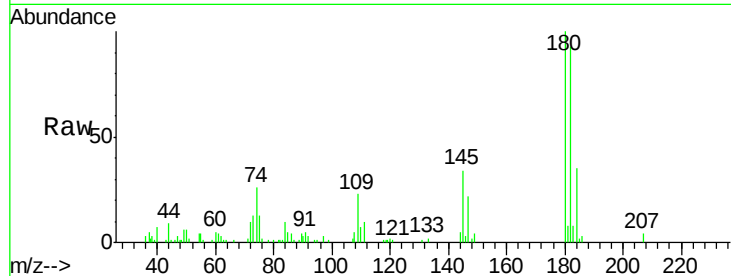
#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.058 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. 0.00 min  
 Lab File: VX017370.D  
 Acq: 14 Jul 2020 11:49

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.0  | 48.4  | 145.0 |
| 145     | 32.6  | 15.3  | 45.8  |

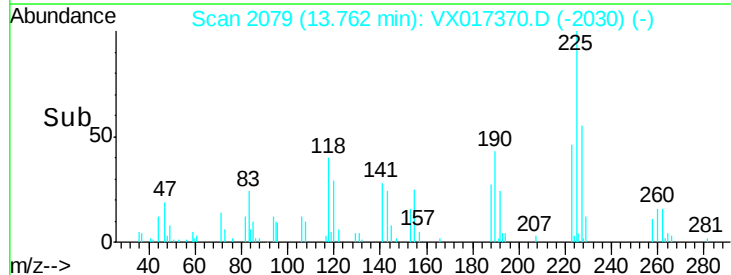
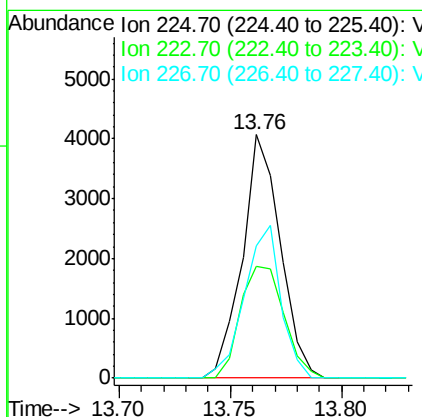
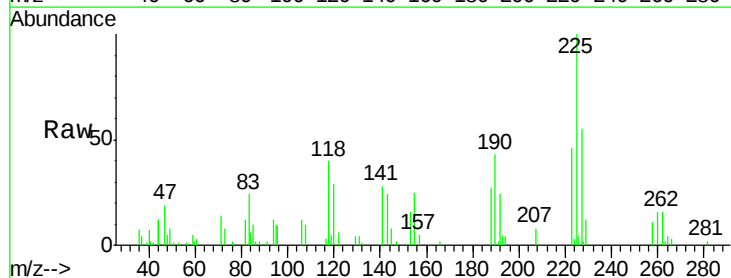
Manual Integrations  
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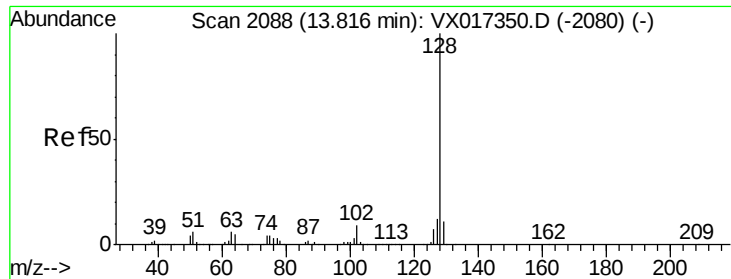
MMDadoda  
 7/15/2020 11:43:14 AM



#94  
 Hexachlorobutadiene  
 Concen: 2.579 ug/l  
 RT: 13.76 min Scan# 2079  
 Delta R.T. 0.00 min  
 Lab File: VX017370.D  
 Acq: 14 Jul 2020 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 52.6  | 31.3  | 93.8  |
| 227     | 60.2  | 31.6  | 95.0  |





#95

Naphthalene

Concen: 1.852 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

Instrument :

MSVOA\_X

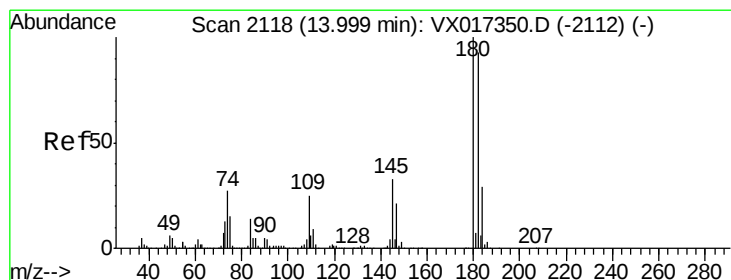
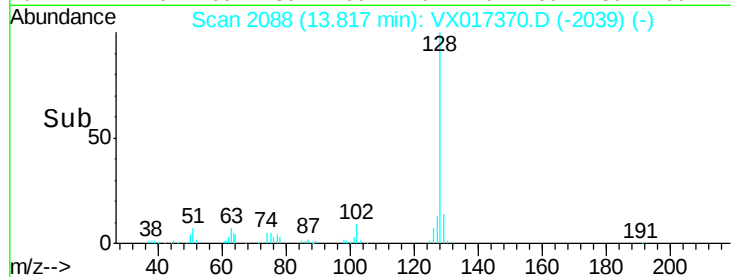
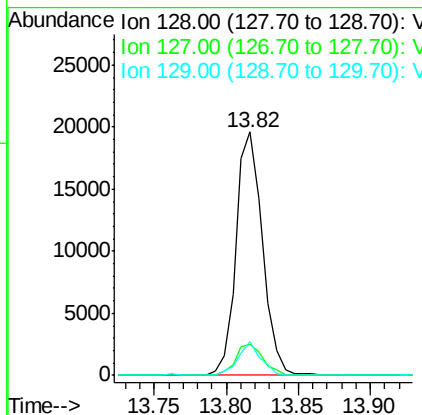
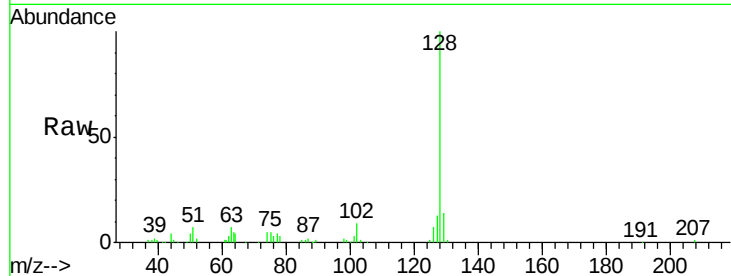
ClientSampleId :

MDL-WATER-03-QT3-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 25080 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.4  | 10.2  | 15.4  |
| 129       | 11.9  | 8.9   | 13.3  |

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7/15/2020 11:43:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 2.068 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX017370.D

Acq: 14 Jul 2020 11:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 9198  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.2  | 48.8  | 146.3 |
| 145       | 35.6  | 16.6  | 49.7  |

