

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\  
 Data File : VX010983.D  
 Acq On : 19 Jul 2019 01:28  
 Operator : JC/SP  
 Sample : K3591-08 L00  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

Manual Integrations  
 APPROVED

MMDadoda  
 7/19/2019 3:12:58 PM

Quant Time: Jul 19 03:46:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Jul 19 03:27:28 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.02  | 128  | 38274    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.86  | 114  | 214024   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.11 | 117  | 191176   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.06   | 65    | 77355    | 29.81    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 99.37%  |
| 60) 4-Bromofluorobenzene  | 11.13  | 95    | 89517    | 28.45    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 94.83%  |
| 63) Toluene-d8            | 8.71   | 98    | 254526   | 30.29    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 100.97% |

## Target Compounds

|                               |      |     |        |             | Ovalue |
|-------------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 9793   | 3.870 ug/l  | 84     |
| 3) Chloromethane              | 1.32 | 50  | 10746  | 4.829 ug/l  | 99     |
| 4) Vinyl Chloride             | 1.41 | 62  | 10857  | 4.679 ug/l  | 93     |
| 5) Bromomethane               | 1.64 | 94  | 7703   | 6.031 ug/l  | 99     |
| 6) Chloroethane               | 1.72 | 64  | 6643   | 4.839 ug/l  | 96     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 18888  | 4.901 ug/l  | 97     |
| 8) Diethyl Ether              | 2.19 | 74  | 6526   | 5.157 ug/l  | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 10441  | 4.902 ug/l  | 98     |
| 10) 1,1-Dichloroethene        | 2.37 | 96  | 10688  | 4.993 ug/l  | 98     |
| 11) Methyl Iodide             | 2.51 | 142 | 9353   | 3.254 ug/l  | 98     |
| 12) Methyl Acetate            | 2.78 | 43  | 18486  | 6.149 ug/l  | 99     |
| 13) Acrolein                  | 2.29 | 56  | 7167   | 19.883 ug/l | 98     |
| 14) Acrylonitrile             | 3.14 | 53  | 28400  | 24.137 ug/l | 97     |
| 15) Acetone                   | 2.45 | 58  | 8562   | 26.132 ug/l | 90     |
| 16) Carbon Disulfide          | 2.57 | 76  | 26115  | 4.748 ug/l  | 100    |
| 17) Allyl chloride            | 2.73 | 41  | 14090  | 4.547 ug/l  | 94     |
| 18) Methylene Chloride        | 2.85 | 84  | 12266  | 5.146 ug/l  | 91     |
| 19) trans-1,2-Dichloroethene  | 3.17 | 96  | 11403  | 5.043 ug/l  | 94     |
| 20) Diisopropyl ether         | 3.86 | 45  | 31117  | 4.757 ug/l  | 92     |
| 21) 1,1-Dichloroethane        | 3.70 | 63  | 18077  | 4.802 ug/l  | 95     |
| 22) cis-1,2-Dichloroethene    | 4.60 | 96  | 12650  | 4.864 ug/l  | 99     |
| 23) tert-Butyl Alcohol        | 3.04 | 59  | 21434  | 34.890 ug/l | # 100  |
| 24) Methyl tert-Butyl Ether   | 3.19 | 73  | 33763  | 4.914 ug/l  | 98     |
| 25) Chloroform                | 5.21 | 83  | 19471  | 4.722 ug/l  | 94     |
| 26) Cyclohexane               | 5.59 | 56  | 17258  | 5.010 ug/l  | # 100  |
| 29) 1,1-Dichloropropene       | 5.80 | 75  | 14742  | 4.898 ug/l  | 89     |
| 30) 2-Butanone                | 4.67 | 43  | 39395  | 24.248 ug/l | 100    |
| 31) 2,2-Dichloropropane       | 4.58 | 77  | 10834m | 4.124 ug/l  |        |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 16249  | 4.477 ug/l  | 99     |
| 33) Carbon Tetrachloride      | 5.78 | 117 | 13650  | 4.325 ug/l  | 97     |
| 34) Benzene                   | 6.14 | 78  | 44093  | 4.884 ug/l  | 96     |
| 35) Methacrylonitrile         | 5.05 | 41  | 7613   | 4.501 ug/l  | 96     |
| 36) 1,2-Dichloroethane        | 6.20 | 62  | 15642  | 4.845 ug/l  | # 87   |
| 37) Trichloroethene           | 7.21 | 130 | 12486  | 4.724 ug/l  | 95     |
| 38) Methylcyclohexane         | 7.46 | 83  | 17772  | 4.679 ug/l  | 98     |
| 39) 1,2-Dichloropropane       | 7.51 | 63  | 10662  | 4.725 ug/l  | 99     |
| 40) Dibromomethane            | 7.66 | 93  | 7909   | 4.765 ug/l  | 94     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\  
 Data File : VX010983.D  
 Acq On : 19 Jul 2019 01:28  
 Operator : JC/SP  
 Sample : K3591-08 L00  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

Manual Integrations  
 APPROVED

MMDadoda  
 7/19/2019 3:12:58 PM

Quant Time: Jul 19 03:46:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Jul 19 03:27:28 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 41) Bromodichloromethane       | 7.90  | 83   | 12719    | 4.210  | ug/l   | 99       |
| 42) Vinyl Acetate              | 3.81  | 43   | 111439   | 20.819 | ug/l   | 99       |
| 43) Ethyl Acetate              | 4.84  | 43   | 13381    | 4.291  | ug/l # | 89       |
| 44) Isopropyl Acetate          | 6.45  | 43   | 21427    | 4.218  | ug/l   | 97       |
| 45) 1,4-Dioxane                | 7.74  | 88   | 6455     | 97.633 | ug/l # | 95       |
| 46) Methyl methacrylate        | 7.77  | 41   | 10581    | 4.291  | ug/l   | 92       |
| 47) n-amyl Acetate             | 10.90 | 43   | 16372    | 3.594  | ug/l   | 98       |
| 48) t-1,3-Dichloropropene      | 9.04  | 75   | 12252    | 3.848  | ug/l   | 94       |
| 49) cis-1,3-Dichloropropene    | 8.43  | 75   | 13828    | 3.980  | ug/l   | 91       |
| 50) 1,1,2-Trichloroethane      | 9.21  | 97   | 11154    | 4.592  | ug/l   | 94       |
| 51) Ethyl methacrylate         | 9.18  | 69   | 16645    | 4.431  | ug/l   | 99       |
| 52) 1,3-Dichloropropane        | 9.37  | 76   | 18186    | 4.659  | ug/l   | 95       |
| 53) Dibromochloromethane       | 9.58  | 129  | 9812     | 3.740  | ug/l   | 98       |
| 54) 1,2-Dibromoethane          | 9.67  | 107  | 11861    | 4.493  | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether  | 8.31  | 63   | 40213    | 25.276 | ug/l   | 99       |
| 56) Bromoform                  | 10.85 | 173  | 6896     | 3.529  | ug/l   | 100      |
| 58) 4-Methyl-2-Pentanone       | 8.64  | 43   | 76704    | 23.757 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 58773    | 23.789 | ug/l   | 100      |
| 61) Tetrachloroethene          | 9.33  | 164  | 13019    | 5.158  | ug/l   | 96       |
| 62) Toluene                    | 8.79  | 91   | 49277    | 4.852  | ug/l   | 100      |
| 64) Chlorobenzene              | 10.14 | 112  | 31684    | 4.869  | ug/l   | 96       |
| 65) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 9952     | 4.208  | ug/l   | 97       |
| 66) Ethyl Benzene              | 10.25 | 91   | 53624    | 4.690  | ug/l   | 96       |
| 67) m/p-Xylenes                | 10.36 | 106  | 42617    | 9.743  | ug/l   | 99       |
| 68) o-Xylene                   | 10.69 | 106  | 19964    | 4.658  | ug/l   | 94       |
| 69) Styrene                    | 10.71 | 104  | 31560    | 4.381  | ug/l   | 96       |
| 70) Isopropylbenzene           | 11.02 | 105  | 53004    | 4.644  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 17155    | 4.661  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane     | 11.29 | 75   | 14662m   | 4.773  | ug/l   |          |
| 73) Bromobenzene               | 11.26 | 156  | 14241    | 4.625  | ug/l   | 97       |
| 74) n-propylbenzene            | 11.36 | 91   | 59184    | 4.607  | ug/l   | 100      |
| 75) 2-Chlorotoluene            | 11.42 | 91   | 35447    | 4.633  | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 43789    | 4.533  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene    | 11.07 | 75   | 3178     | 3.136  | ug/l   | 70       |
| 78) 4-Chlorotoluene            | 11.51 | 91   | 39904    | 4.542  | ug/l   | 99       |
| 79) tert-butylbenzene          | 11.77 | 119  | 41840    | 4.465  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 43568    | 4.478  | ug/l   | 100      |
| 81) sec-Butylbenzene           | 11.94 | 105  | 49789    | 4.508  | ug/l   | 98       |
| 82) p-Isopropyltoluene         | 12.06 | 119  | 45311    | 4.421  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 12.02 | 146  | 25543    | 4.699  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene        | 12.10 | 146  | 24955    | 4.619  | ug/l   | 99       |
| 85) n-Butylbenzene             | 12.38 | 91   | 35598    | 4.079  | ug/l   | 99       |
| 86) Hexachloroethane           | 12.59 | 117  | 5852     | 3.620  | ug/l   | 96       |
| 87) 1,2-Dichlorobenzene        | 12.39 | 146  | 25166    | 4.728  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 3147     | 3.884  | ug/l   | 96       |
| 89) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 15871    | 4.323  | ug/l   | 97       |
| 90) Hexachlorobutadiene        | 13.78 | 225  | 7546     | 4.251  | ug/l   | 95       |
| 91) Naphthalene                | 13.83 | 128  | 45956    | 4.103  | ug/l   | 98       |
| 92) 1,2,3-Trichlorobenzene     | 14.02 | 180  | 15678    | 4.261  | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\  
Data File : VX010983.D  
Acq On : 19 Jul 2019 01:28  
Operator : JC/SP  
Sample : K3591-08 L00  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

Manual Integrations  
APPROVED

MMDadoda  
7/19/2019 3:12:58 PM

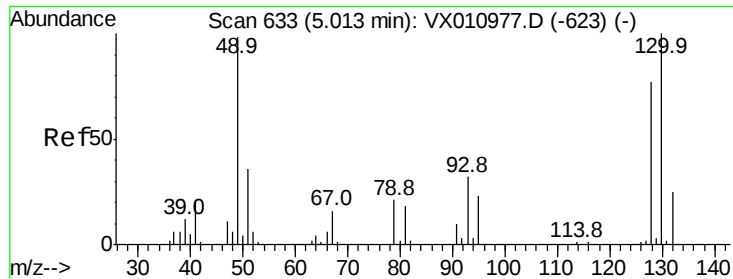
Quant Time: Jul 19 03:46:54 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Jul 19 03:27:28 2019  
Response via : Initial Calibration

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

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





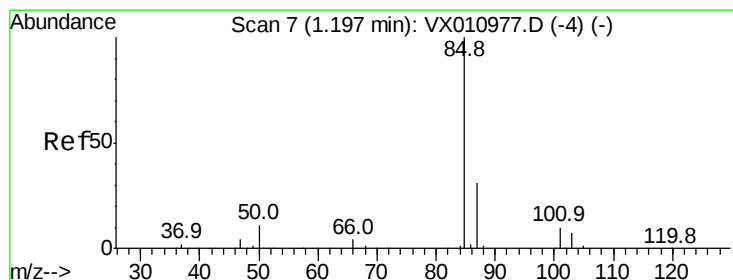
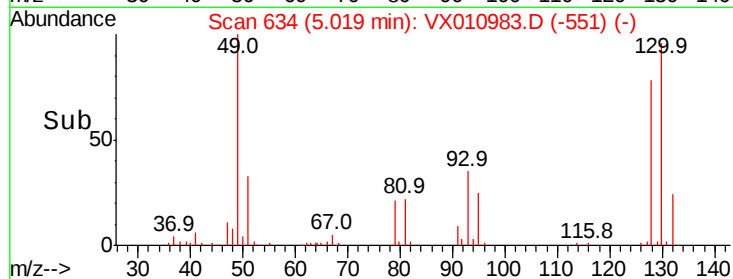
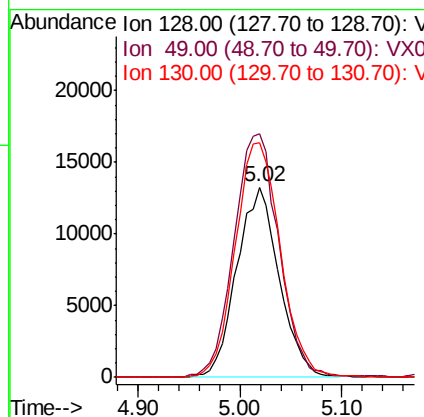
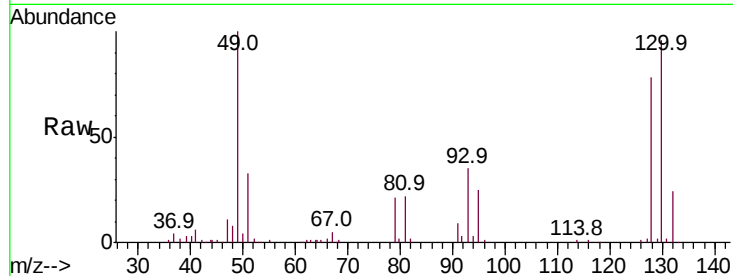
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. 0.01 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 135.0 | 0.0   | 343.5 |
| 130     | 131.1 | 0.0   | 324.7 |

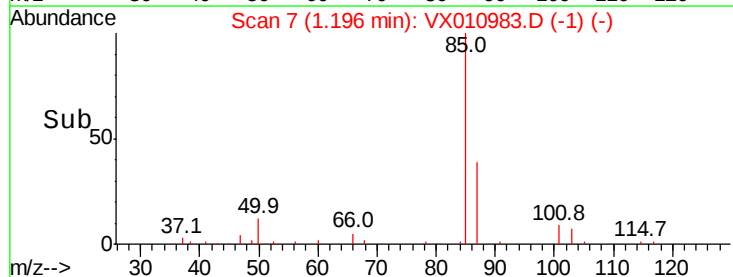
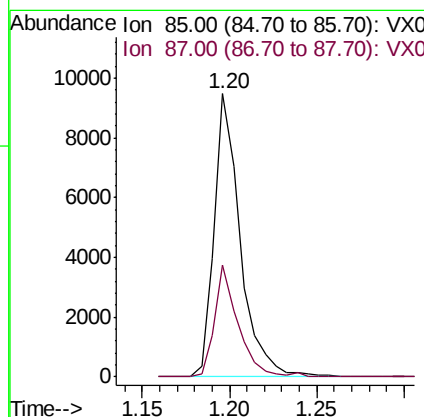
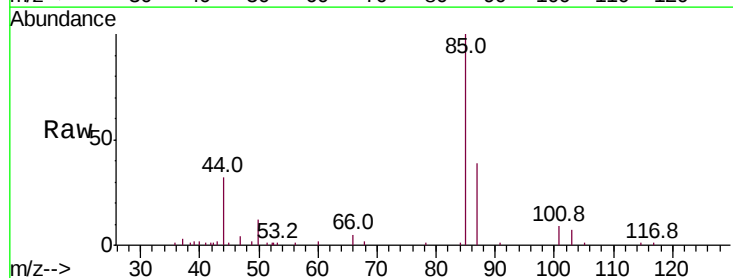
Manual Integrations  
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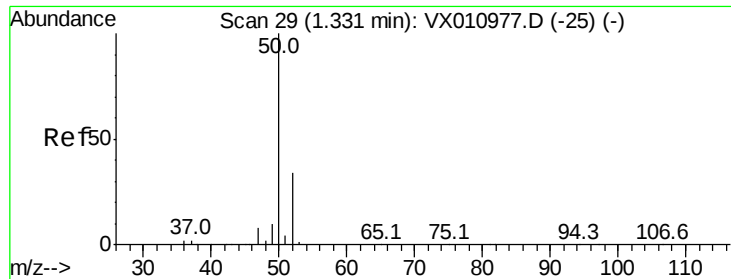
MMDadoda  
7/19/2019 3:12:58 PM



#2  
Dichlorodifluoromethane  
Concen: 3.870 ug/l  
RT: 1.20 min Scan# 7  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 39.4  | 15.4  | 46.1  |





#3

Chloromethane

Concen: 4.829 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 50 Resp: 10746

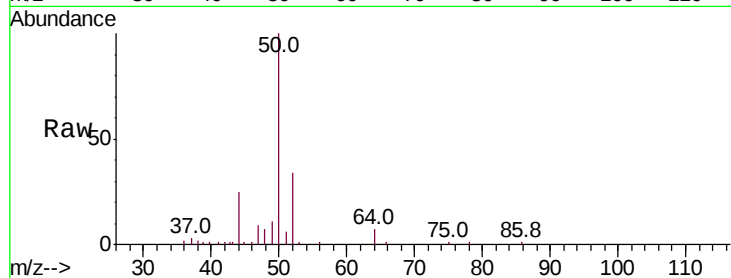
Ion Ratio Lower Upper

50 100

52 34.6 27.3 40.9

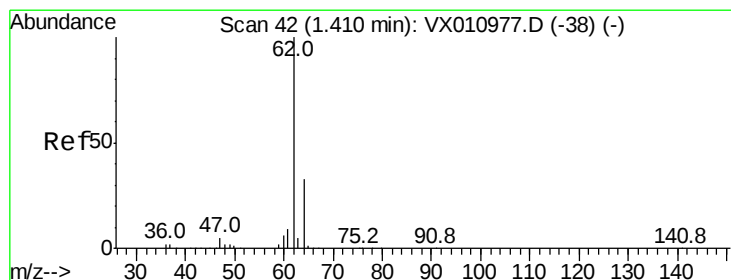
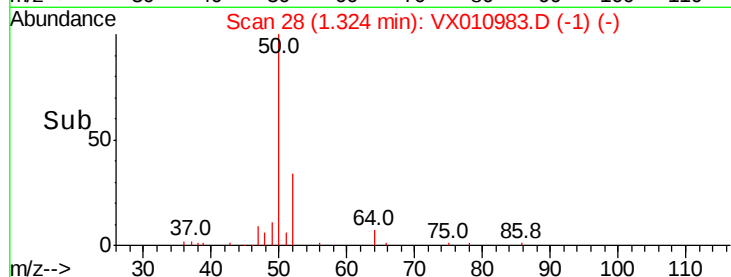
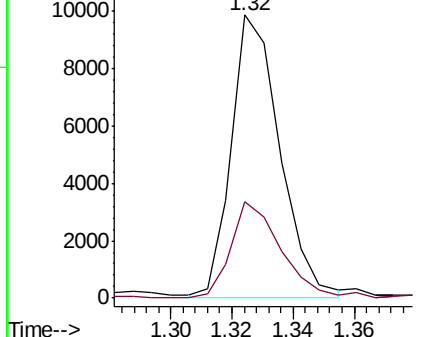
Manual Integrations  
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7/19/2019 3:12:58 PM



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 4.679 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010983.D

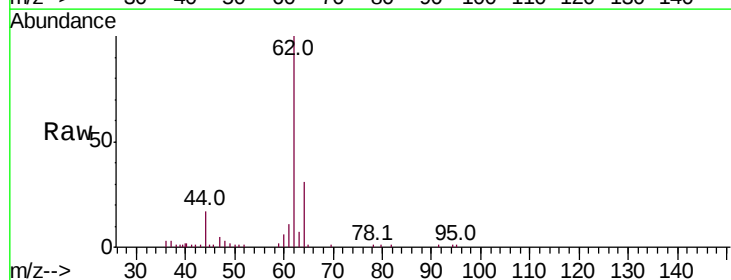
Acq: 19 Jul 2019 01:28

Tgt Ion: 62 Resp: 10857

Ion Ratio Lower Upper

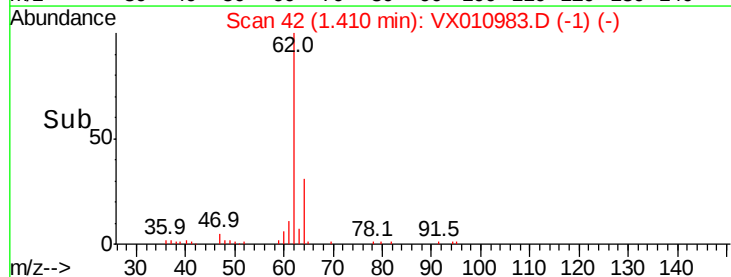
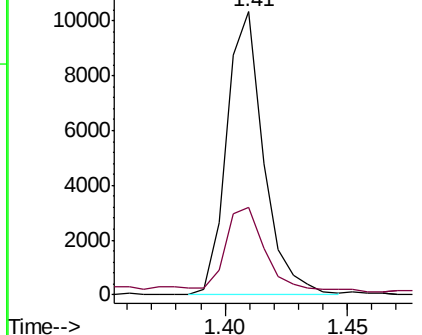
62 100

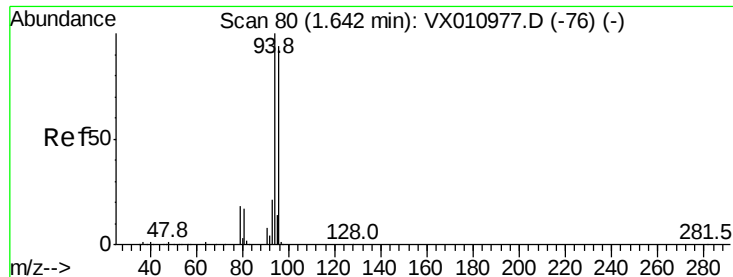
64 29.3 26.8 40.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 6.031 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 94 Resp: 7703

Ion Ratio Lower Upper

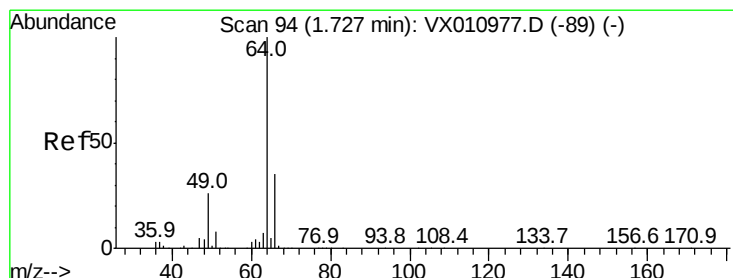
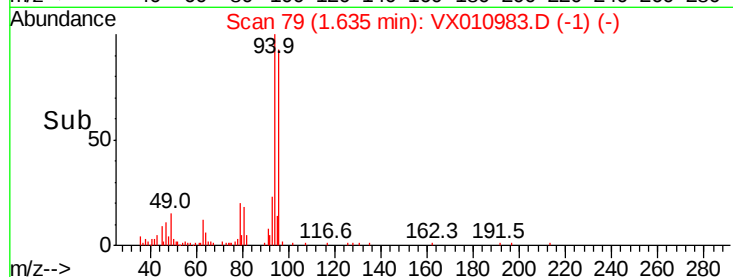
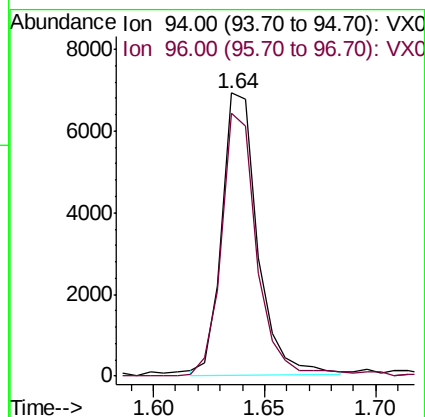
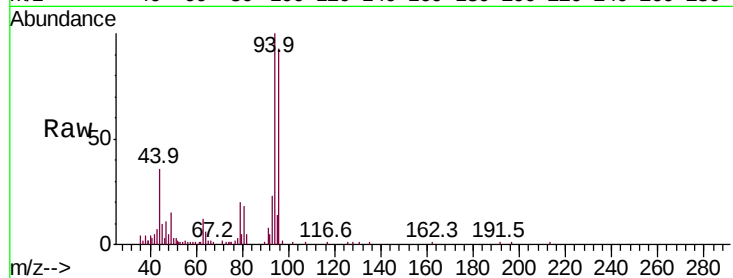
94 100

96 93.5 75.4 113.2

Manual Integrations  
APPROVED

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7/19/2019 3:12:58 PM



#6

Chloroethane

Concen: 4.839 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.01 min

Lab File: VX010983.D

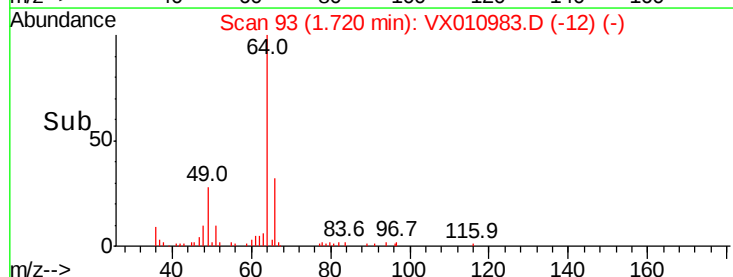
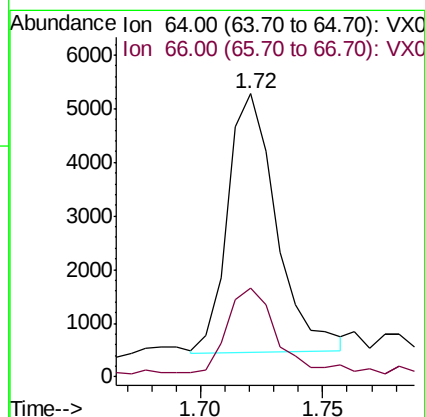
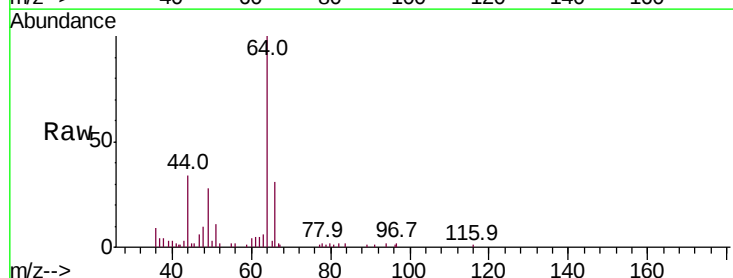
Acq: 19 Jul 2019 01:28

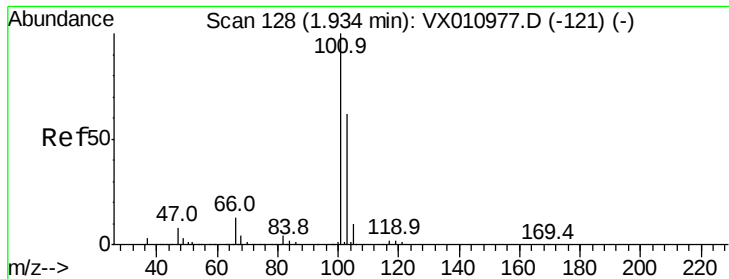
Tgt Ion: 64 Resp: 6643

Ion Ratio Lower Upper

64 100

66 32.8 28.1 42.1





#7

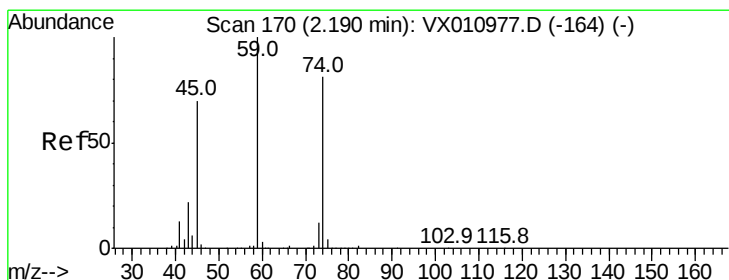
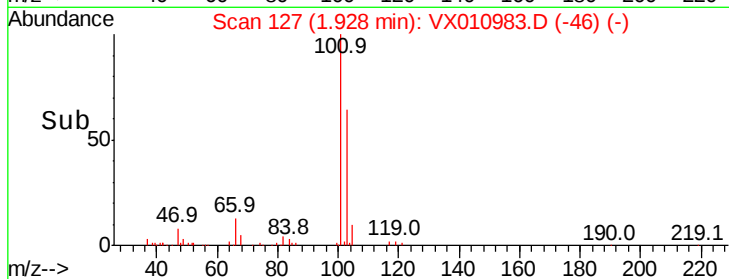
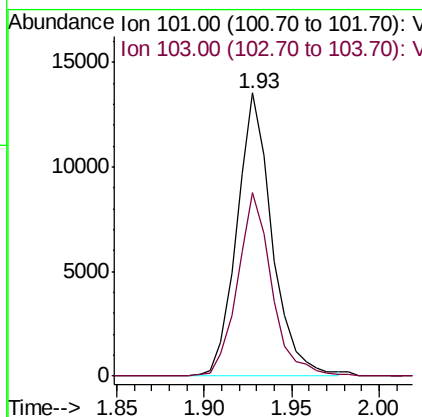
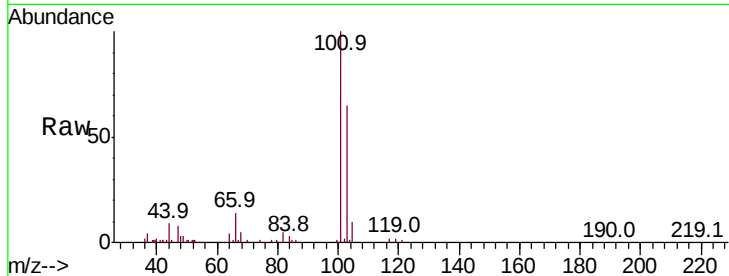
Trichlorofluoromethane  
Concen: 4.901 ug/l  
RT: 1.93 min Scan# 127  
Delta R.T. -0.01 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.7  | 49.6  | 74.4  |

Manual Integrations  
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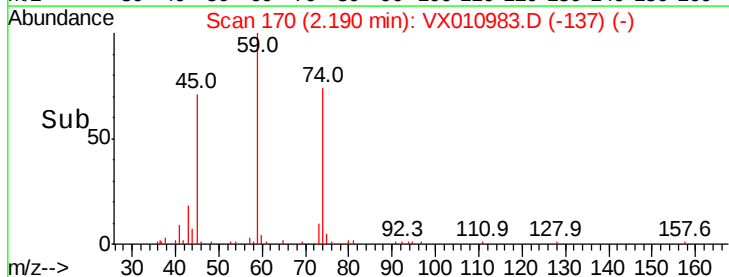
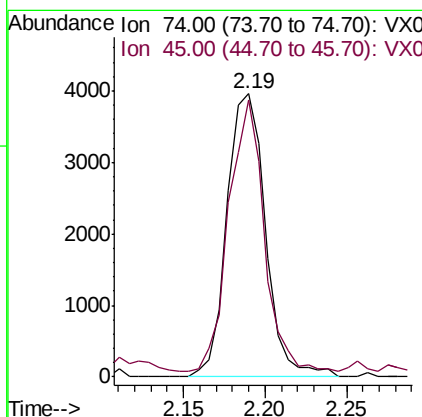
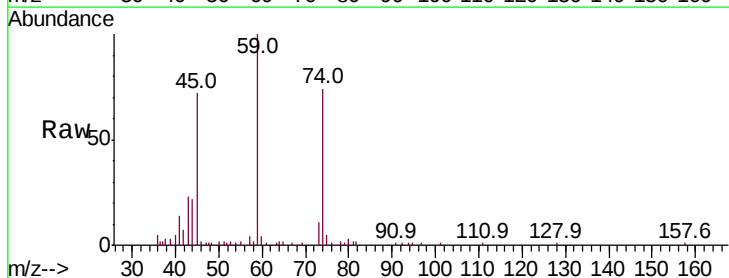
MMDadoda  
7/19/2019 3:12:58 PM

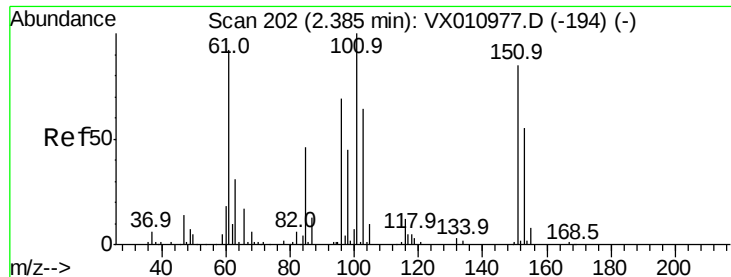


#8

Diethyl Ether  
Concen: 5.157 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 88.9  | 18.3  | 164.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.902 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

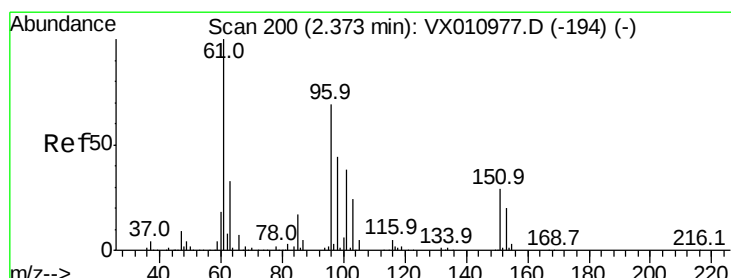
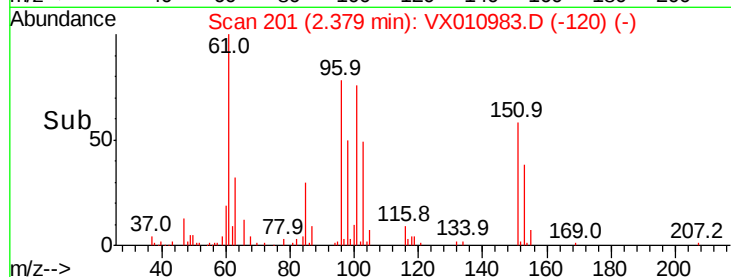
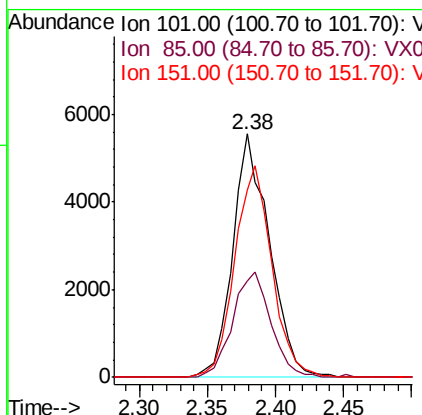
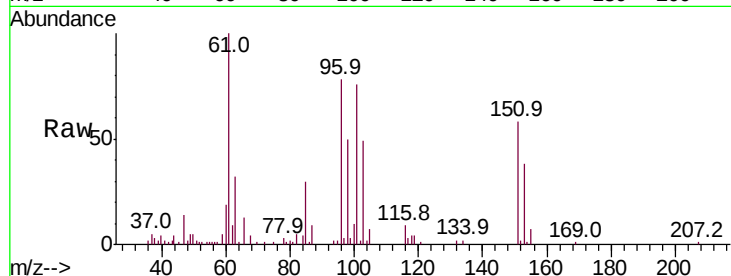
ClientSampleId :

LOQ-WATER-02-QT3-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 10441 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.6  | 0.0   | 89.8  |
| 151       | 88.2  | 0.0   | 172.2 |

Manual Integrations  
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#10

1,1-Dichloroethene

Concen: 4.993 ug/l

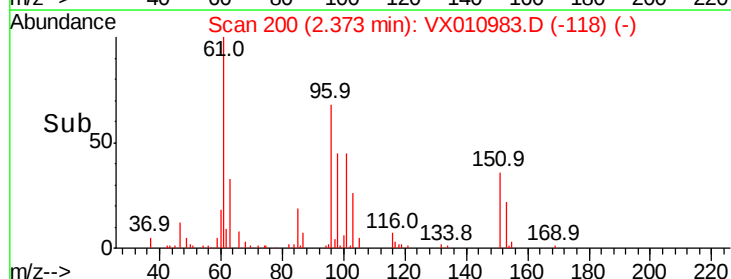
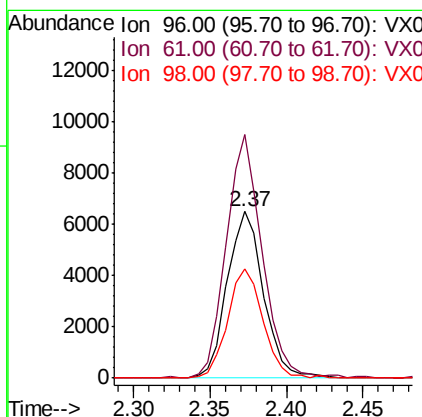
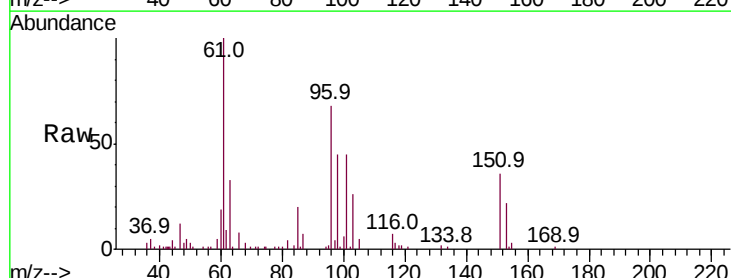
RT: 2.37 min Scan# 200

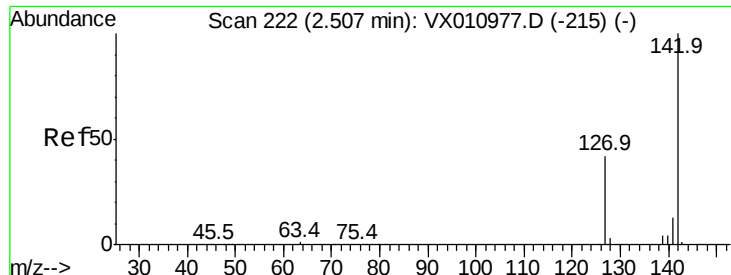
Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 10688 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 146.4 | 115.9 | 173.9 |
| 98        | 65.5  | 50.6  | 75.8  |





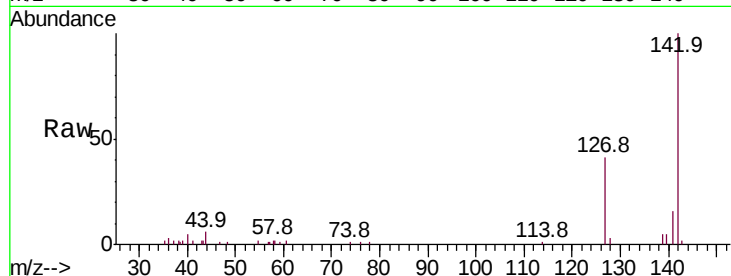
#11  
Methvl Iodide  
Concen: 3.254 ug/l  
RT: 2.51 min Scan# 222  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

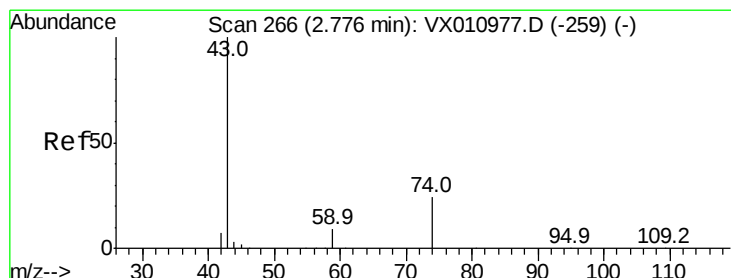
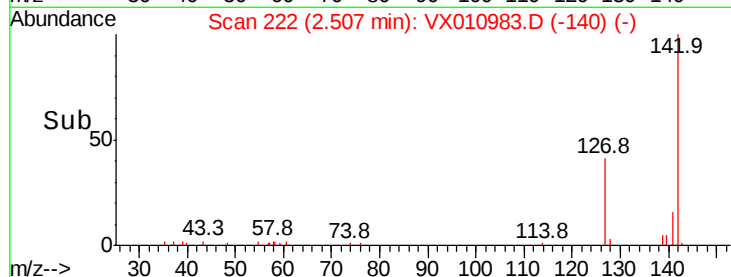
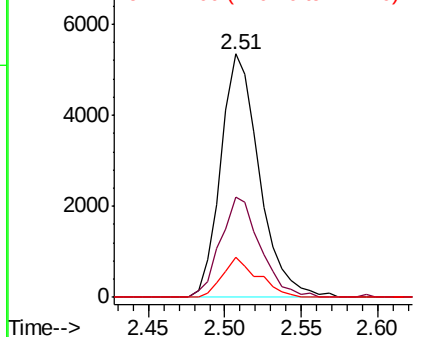
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 41.1  | 20.7  | 62.1  |
| 141     | 16.2  | 6.7   | 20.0  |

Manual Integrations  
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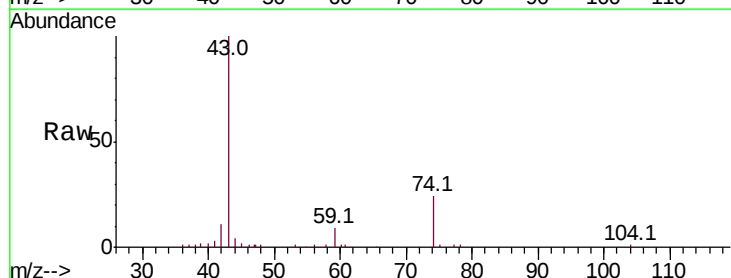


Abundance Ion 142.00 (141.70 to 142.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 141.00 (140.70 to 141.70): V

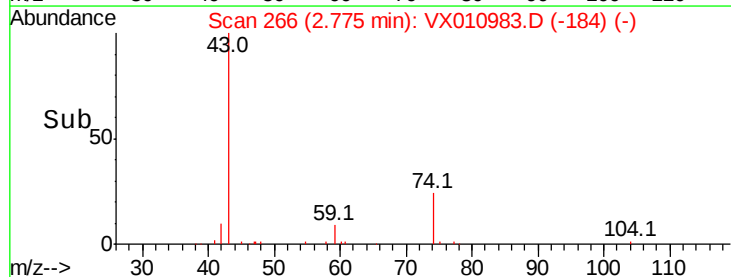
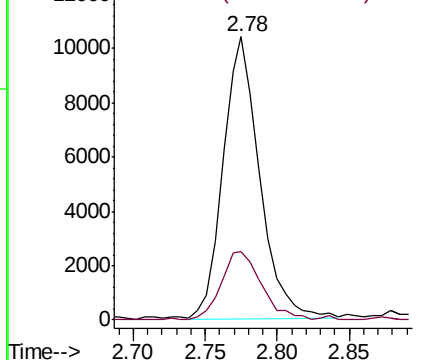


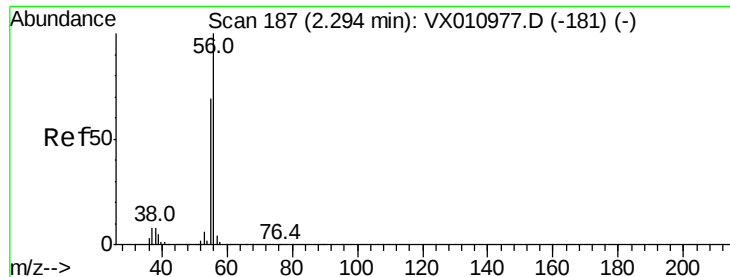
#12  
Methyl Acetate  
Concen: 6.149 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.3  | 19.8  | 29.6  |



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 19.883 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 56 Resp: 7167

Ion Ratio Lower Upper

56 100

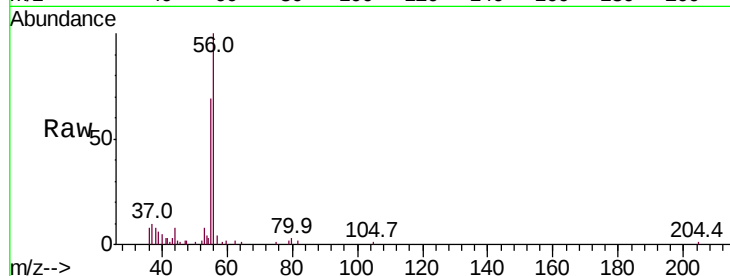
55 72.1 56.1 84.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

4000

3000

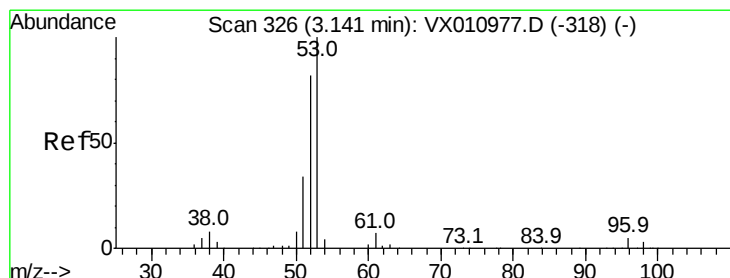
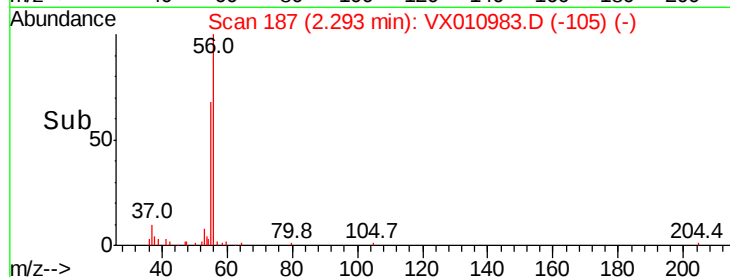
2000

1000

0

2.25 2.30 2.35

Time-->



#14

Acrylonitrile

Concen: 24.137 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

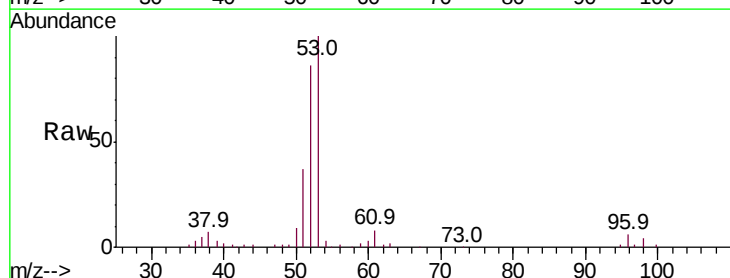
Tgt Ion: 53 Resp: 28400

Ion Ratio Lower Upper

53 100

52 84.2 41.1 123.4

51 38.2 17.8 53.3



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

15000

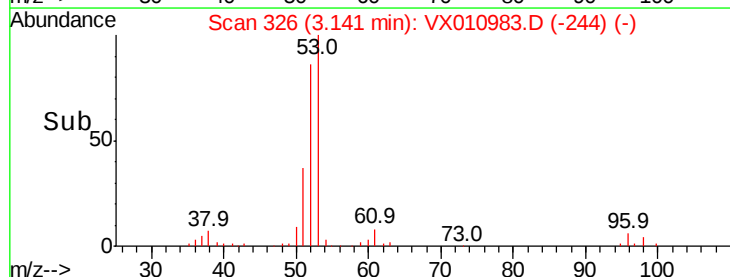
10000

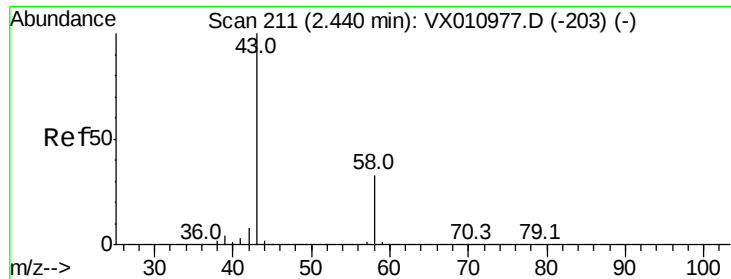
5000

0

3.05 3.10 3.15 3.20

Time-->





#15

Acetone

Concen: 26.132 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 58 Resp: 8562

Ion Ratio Lower Upper

58 100

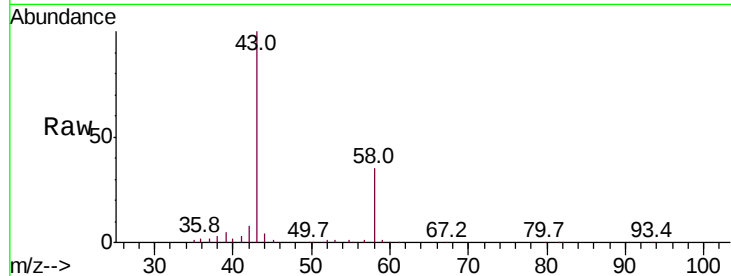
43 284.0 243.8 365.6

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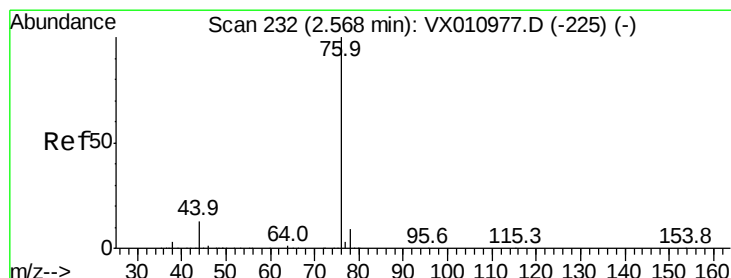
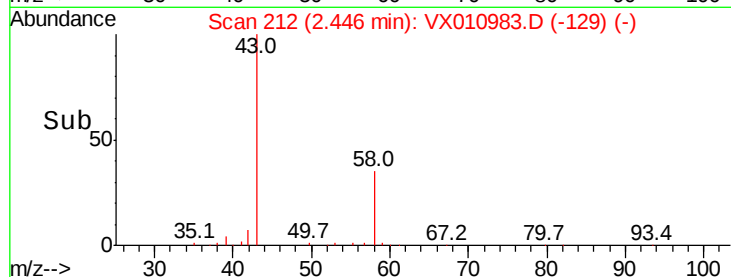
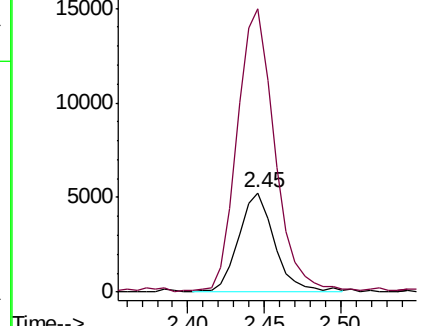
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 4.748 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010983.D

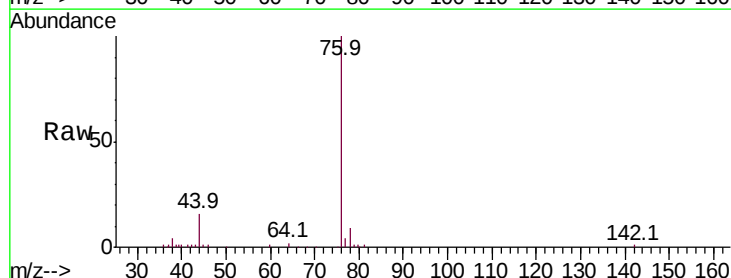
Acq: 19 Jul 2019 01:28

Tgt Ion: 76 Resp: 26115

Ion Ratio Lower Upper

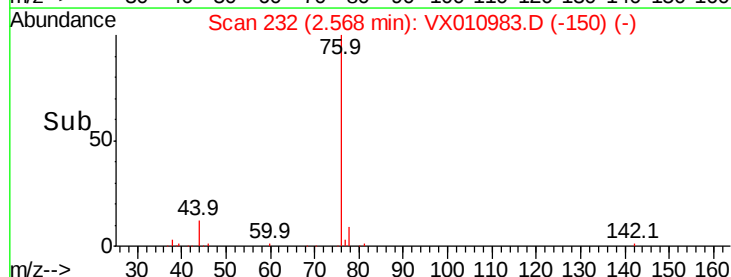
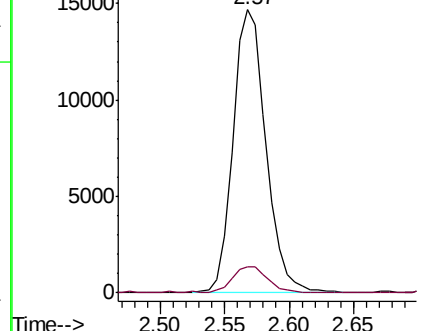
76 100

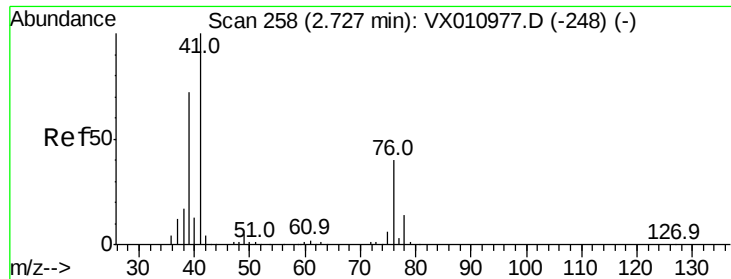
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





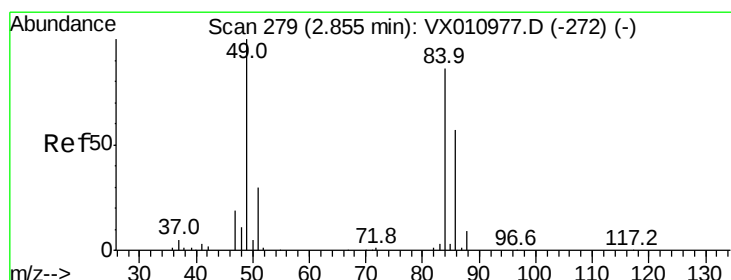
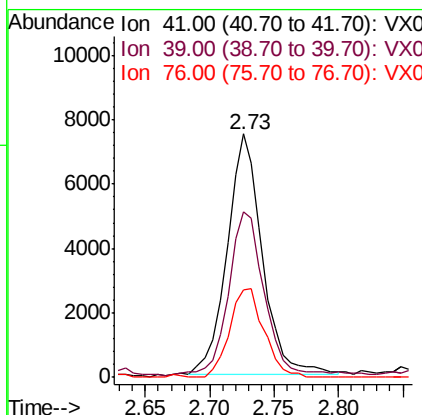
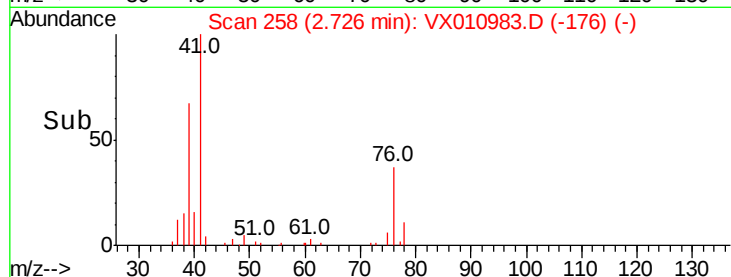
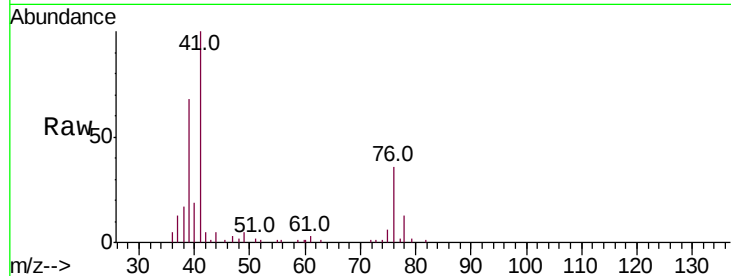
#17  
Allvl chloride  
Concen: 4.547 ug/l  
RT: 2.73 min Scan# 258  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 67.3  | 36.1  | 108.3 |
| 76      | 36.9  | 20.2  | 60.5  |

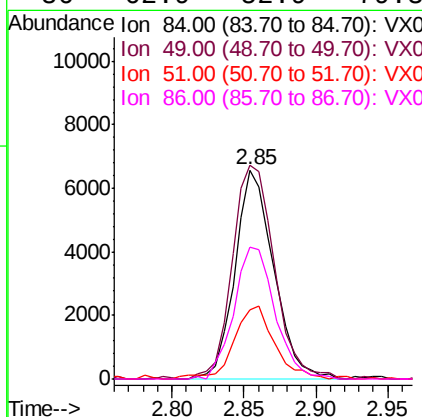
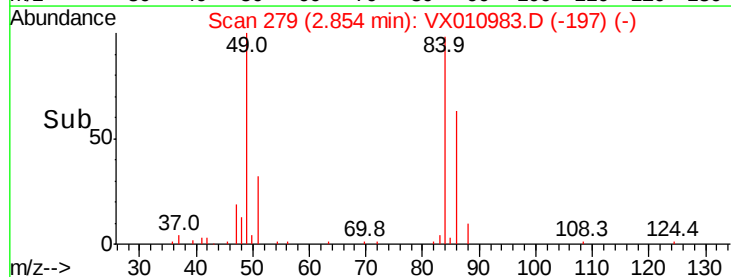
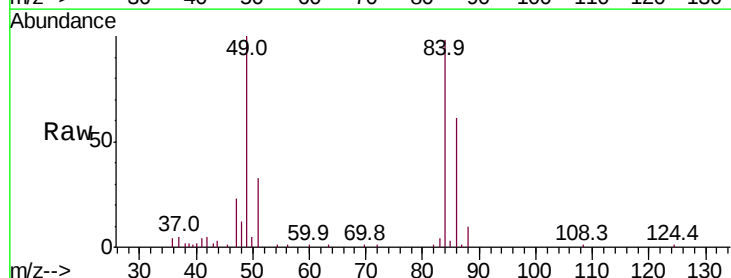
Manual Integrations  
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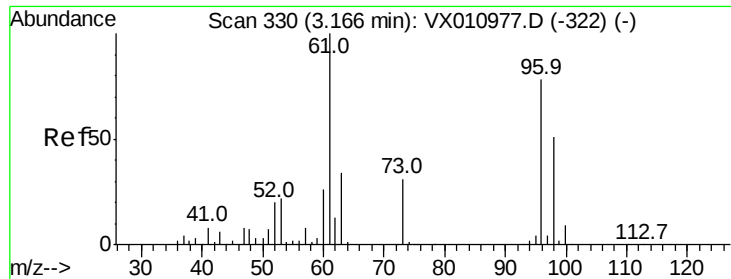
MMDadoda  
7/19/2019 3:12:58 PM



#18  
Methylene Chloride  
Concen: 5.146 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 102.3 | 93.2  | 139.8 |
| 51      | 32.2  | 28.6  | 42.8  |
| 86      | 62.9  | 52.9  | 79.3  |





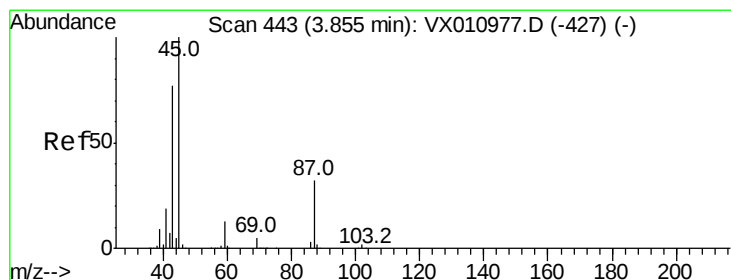
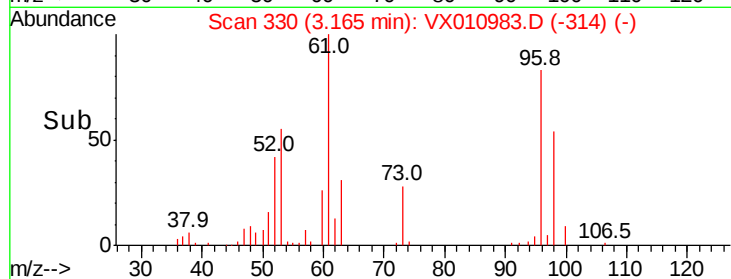
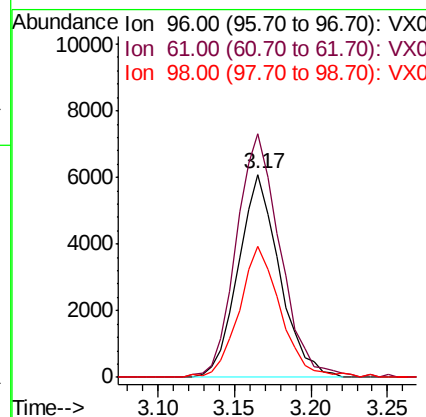
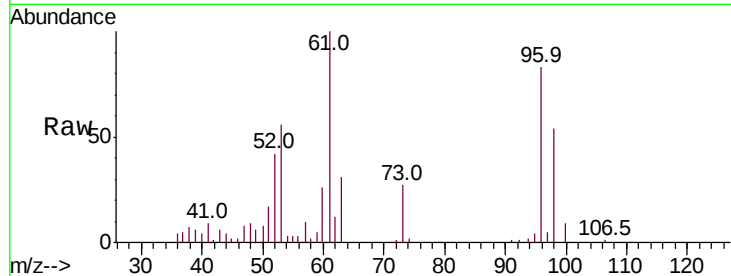
#19  
trans-1,2-Dichloroethene  
Concen: 5.043 ug/l  
RT: 3.17 min Scan# 330  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 118.8 | 102.2 | 153.4 |
| 98      | 63.3  | 52.2  | 78.2  |

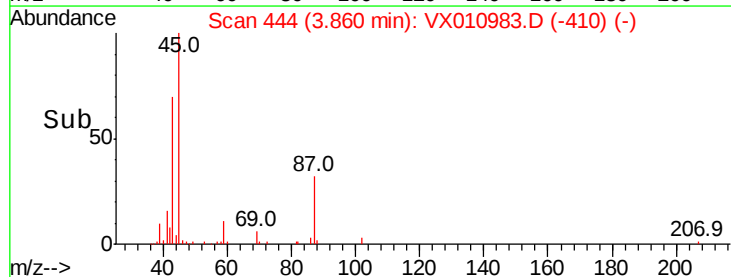
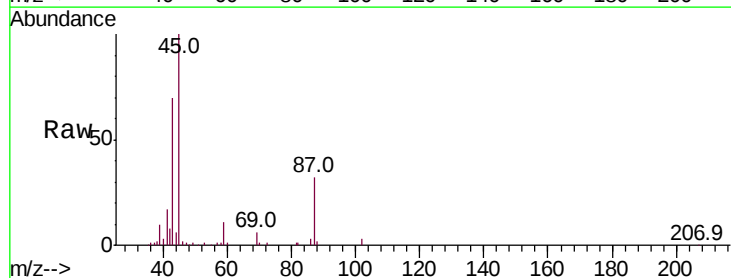
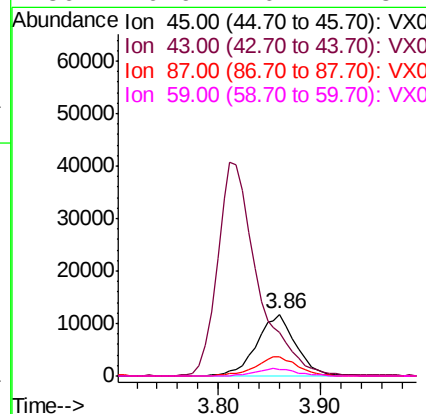
Manual Integrations  
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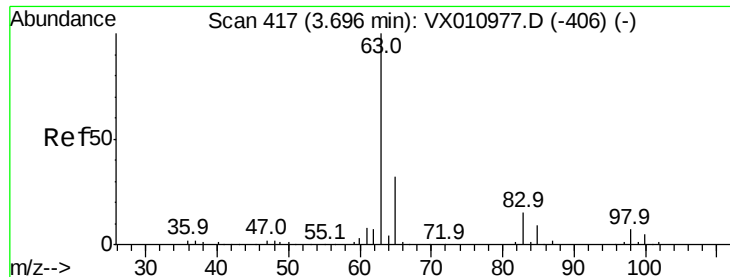
MMDadoda  
7/19/2019 3:12:58 PM



#20  
Diisopropyl ether  
Concen: 4.757 ug/l  
RT: 3.86 min Scan# 444  
Delta R.T. 0.01 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 66.6  | 61.5  | 92.3  |
| 87      | 31.7  | 25.4  | 38.2  |
| 59      | 10.9  | 10.2  | 15.2  |





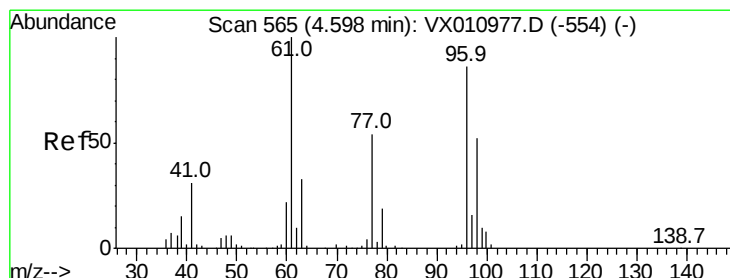
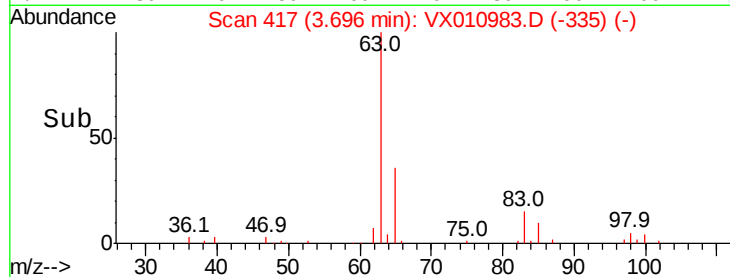
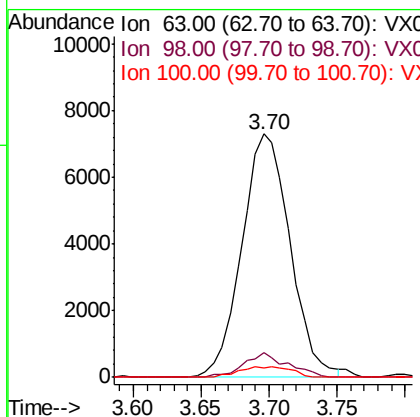
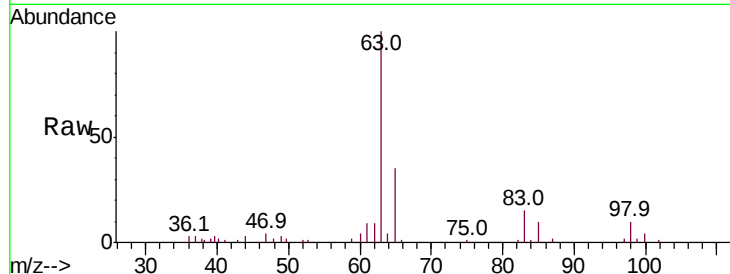
#21  
 1,1-Dichloroethane  
 Concen: 4.802 ug/l  
 RT: 3.70 min Scan# 417  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 63    | Resp: | 18077 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 10.0  | 3.8   | 11.2  |
| 100       | 4.1   | 2.5   | 7.4   |

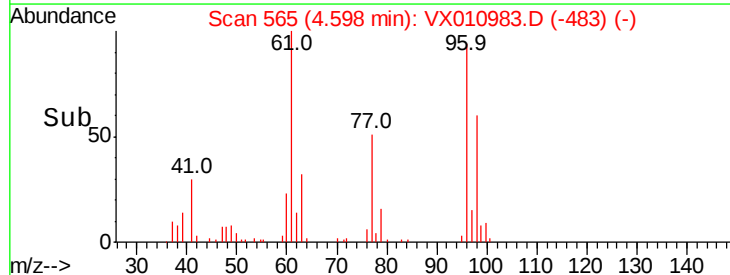
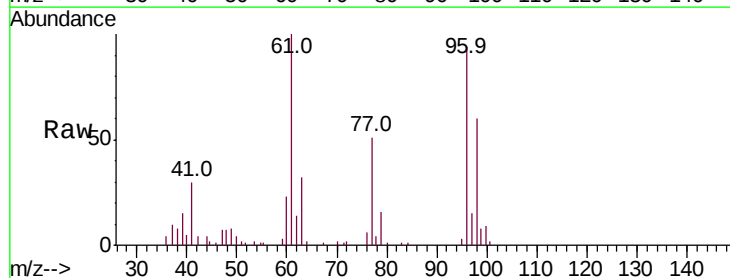
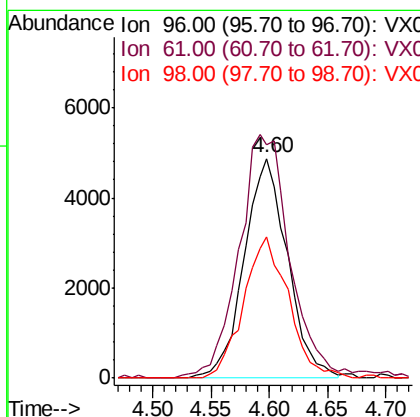
Manual Integrations  
 APPROVED

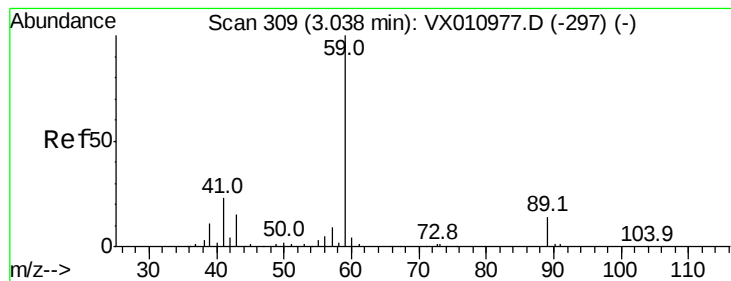
MMDadoda  
 7/19/2019 3:12:58 PM



#22  
 cis-1,2-Dichloroethene  
 Concen: 4.864 ug/l  
 RT: 4.60 min Scan# 565  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 12650 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 128.8 | 102.9 | 154.3 |
| 98        | 66.6  | 50.9  | 76.3  |





#23

tert-Butyl Alcohol

Concen: 34.890 ug/l

RT: 3.04 min Scan# 310

Delta R.T. 0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 59 Resp: 21434

Ion Ratio Lower Upper

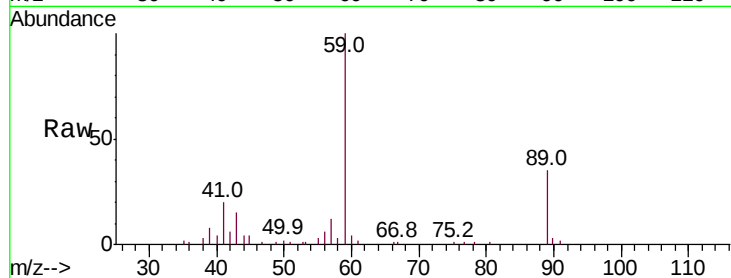
59 100

52 0.4 0.2 0.4#

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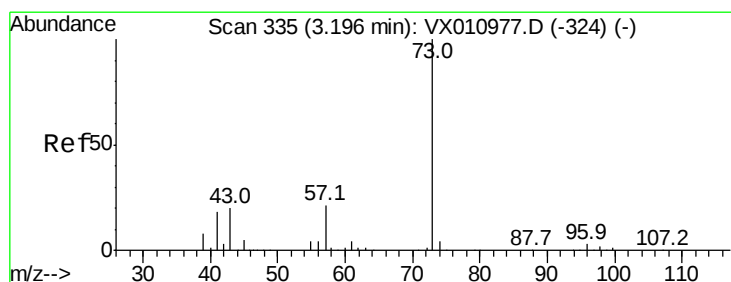
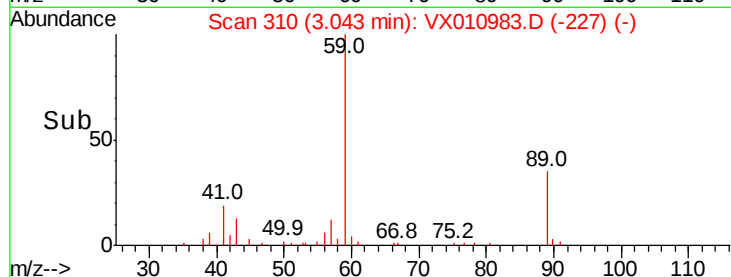
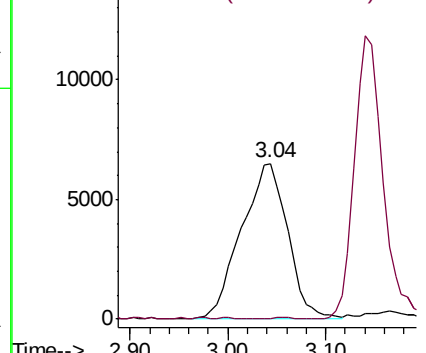
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 4.914 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.01 min

Lab File: VX010983.D

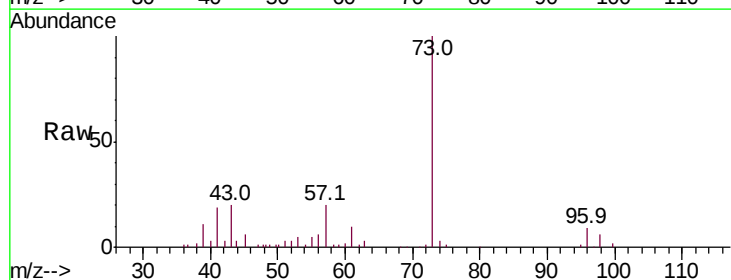
Acq: 19 Jul 2019 01:28

Tgt Ion: 73 Resp: 33763

Ion Ratio Lower Upper

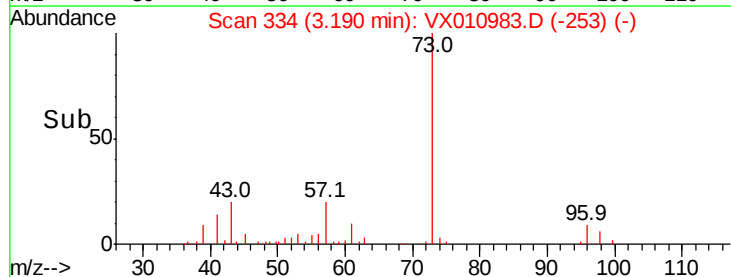
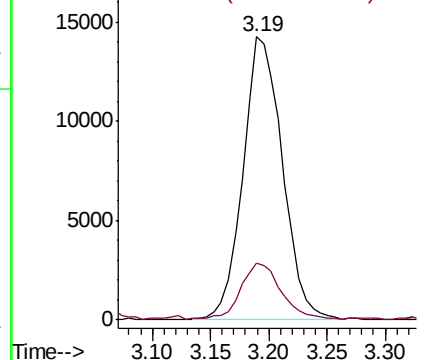
73 100

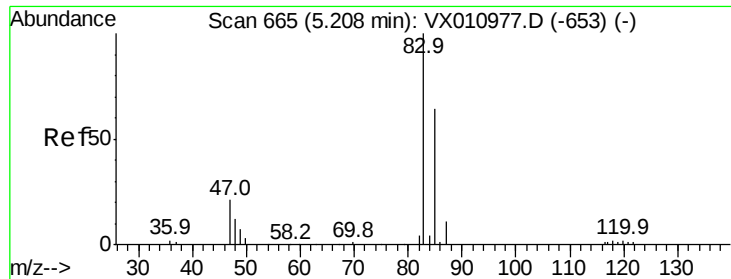
43 20.8 15.8 23.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 4.722 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 83 Resp: 19471

Ion Ratio Lower Upper

83 100

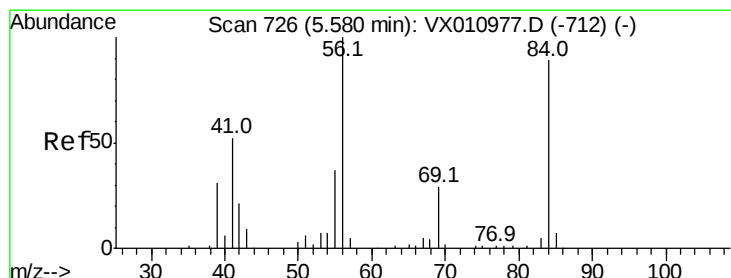
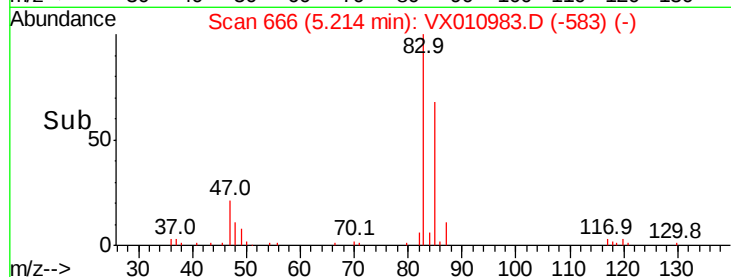
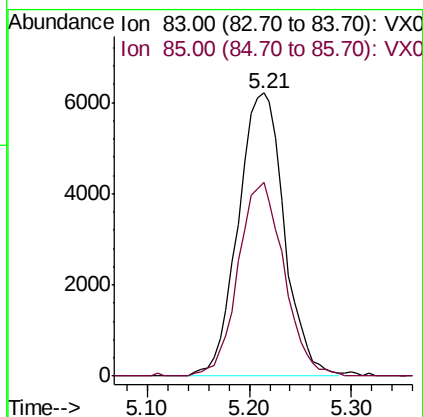
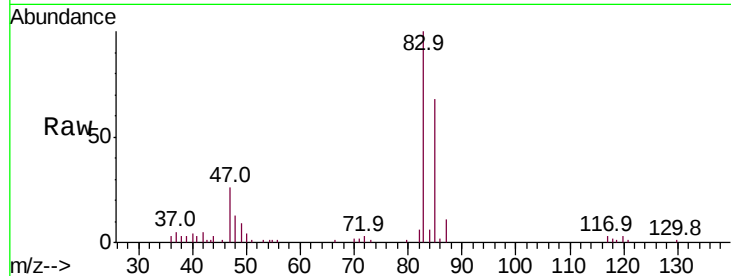
85 68.5 50.9 76.3

Manual Integrations

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#26

Cyclohexane

Concen: 5.010 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

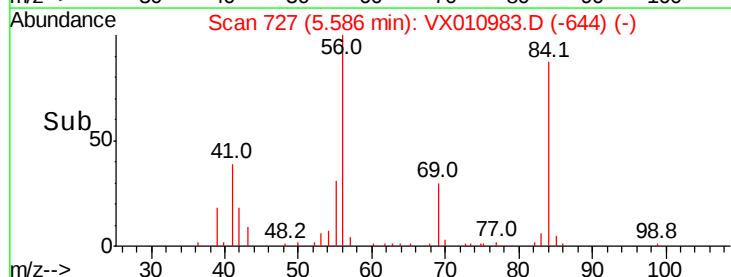
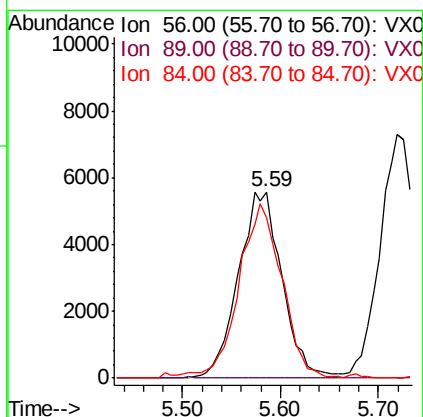
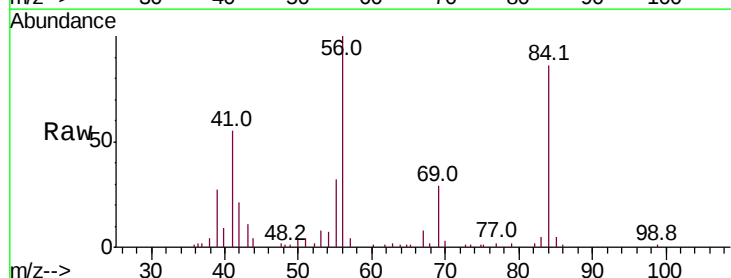
Tgt Ion: 56 Resp: 17258

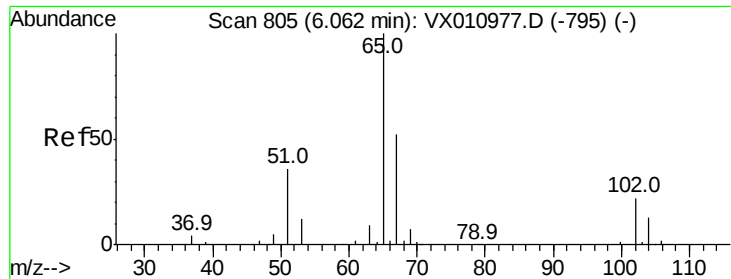
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 91.0 73.0 109.4





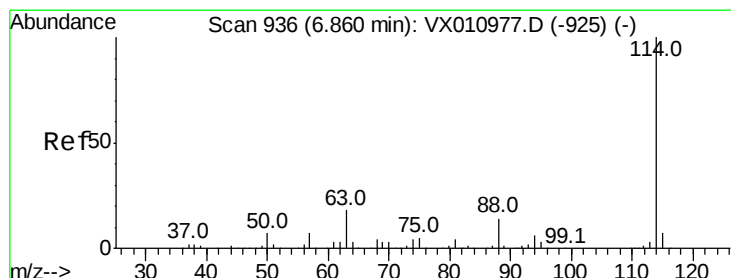
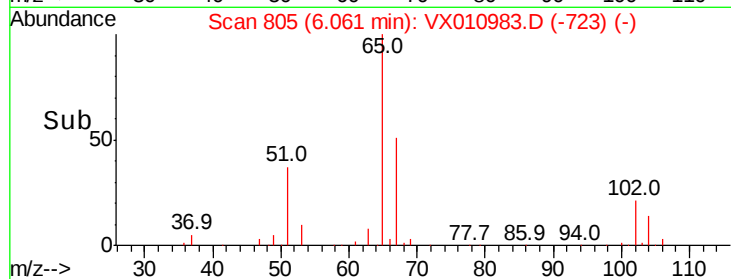
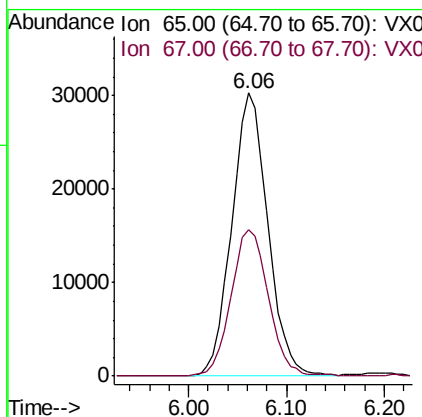
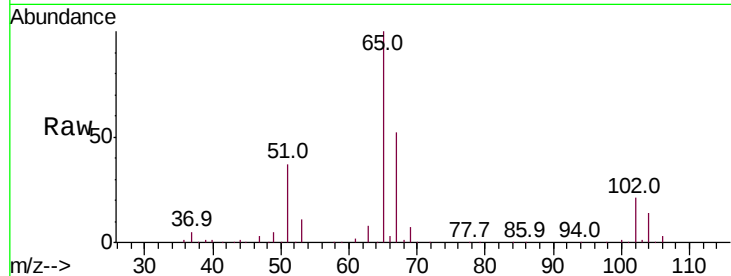
#27  
 1,2-Dichloroethane-d4  
 Concen: 29.812 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.6  | 41.7  | 62.5  |

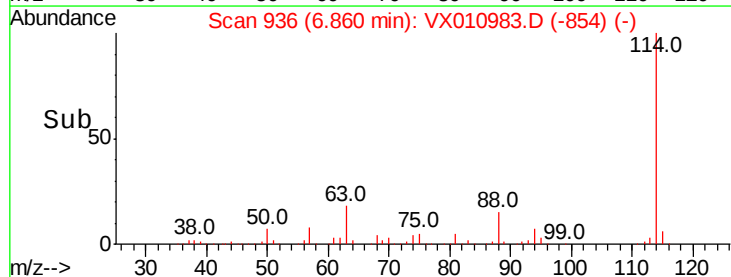
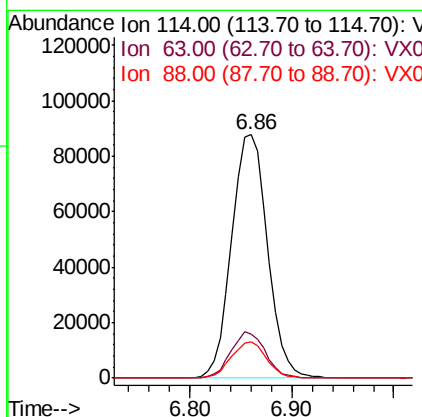
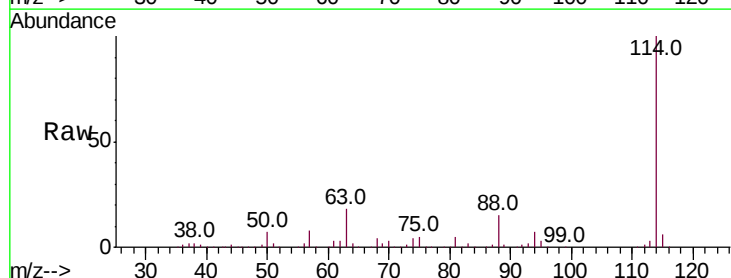
Manual Integrations  
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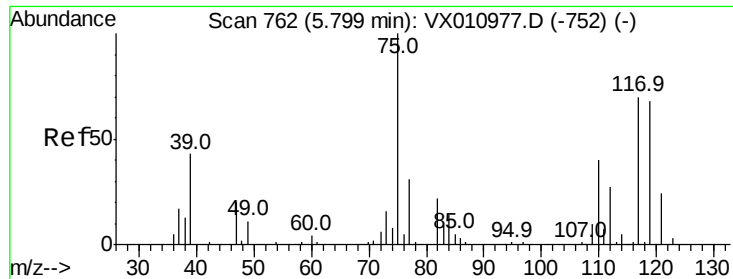
MMDadoda  
 7/19/2019 3:12:58 PM



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.4  | 14.6  | 22.0  |
| 88      | 14.7  | 11.8  | 17.8  |





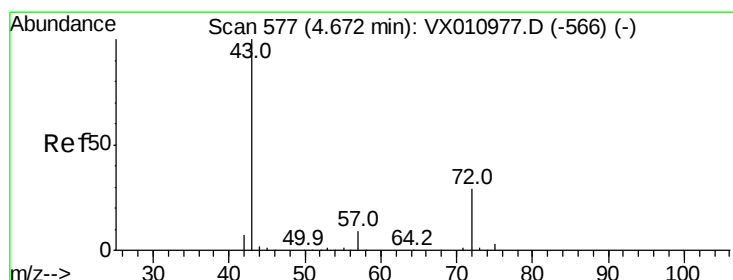
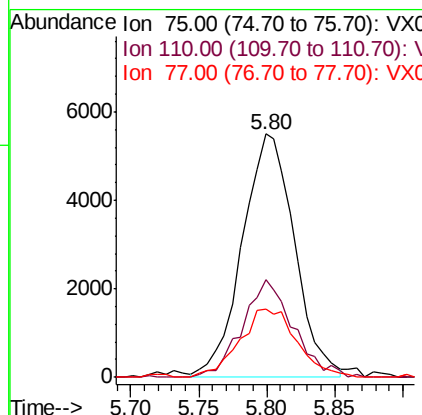
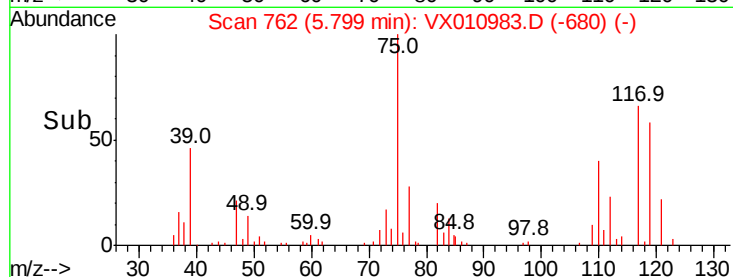
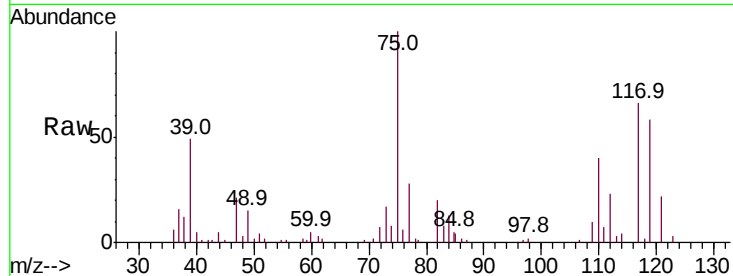
#29  
 1,1-Dichloropropene  
 Concen: 4.898 ug/l  
 RT: 5.80 min Scan# 762  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.9  | 0.0   | 79.8  |
| 77      | 19.3  | 0.0   | 62.2  |

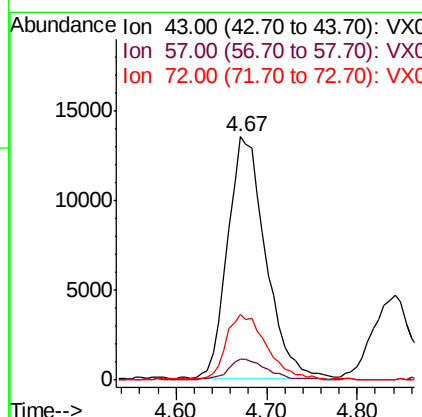
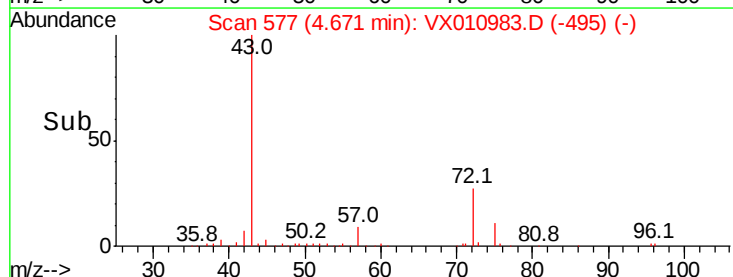
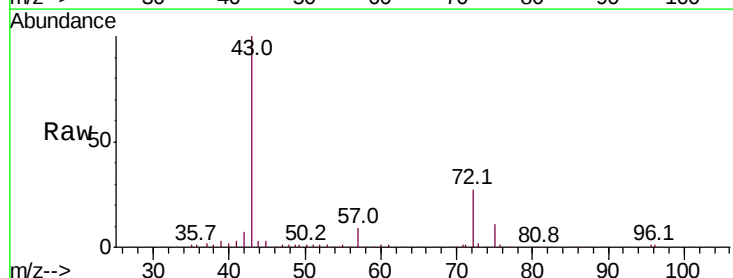
Manual Integrations  
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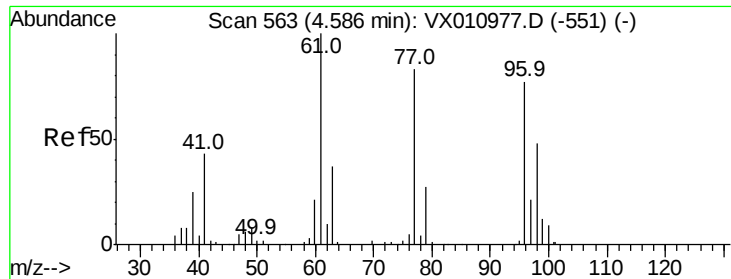
MMDadoda  
 7/19/2019 3:12:58 PM



#30  
 2-Butanone  
 Concen: 24.248 ug/l  
 RT: 4.67 min Scan# 577  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 8.8   | 6.8   | 10.2  |
| 72      | 29.0  | 23.2  | 34.8  |





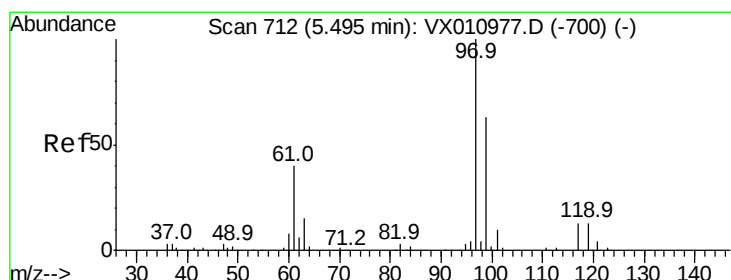
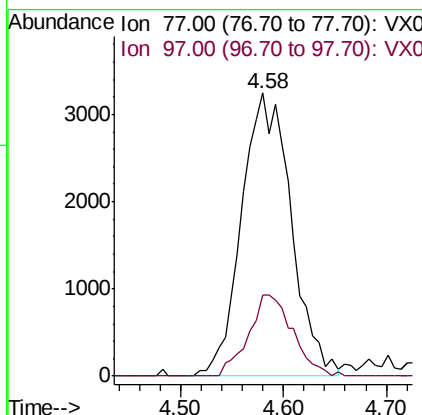
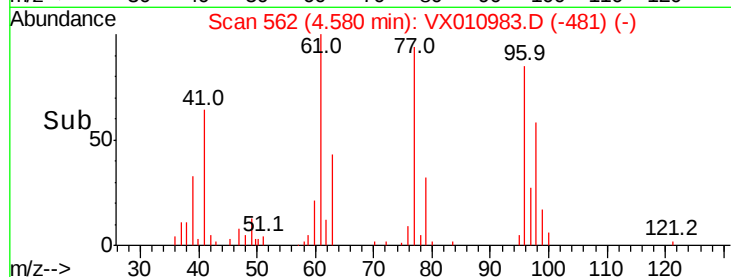
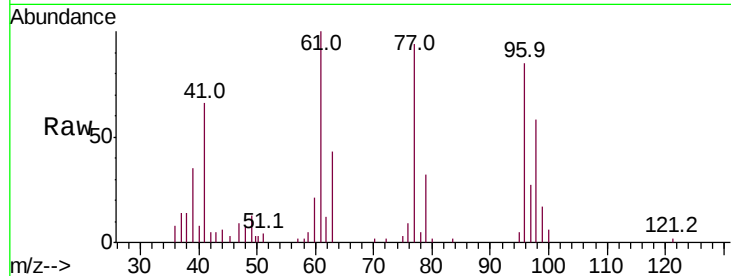
#31  
 2,2-Dichloropropane  
 Concen: 4.124 ug/l m  
 RT: 4.58 min Scan# 562  
 Delta R.T. -0.01 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

Tot Ion: 77 Resp: 10834  
 Ion Ratio Lower Upper  
 77 100  
 97 25.4 20.9 31.3

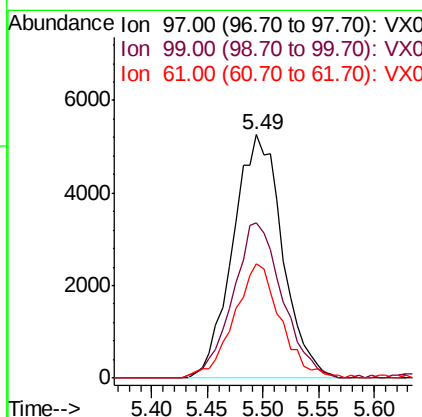
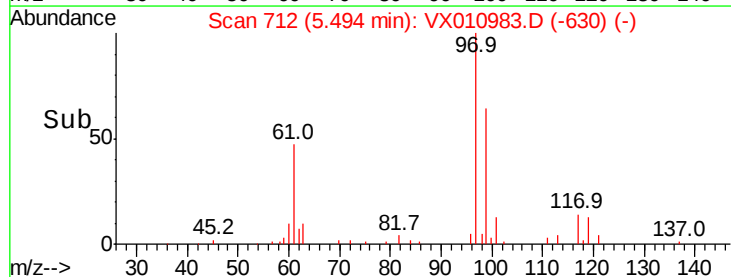
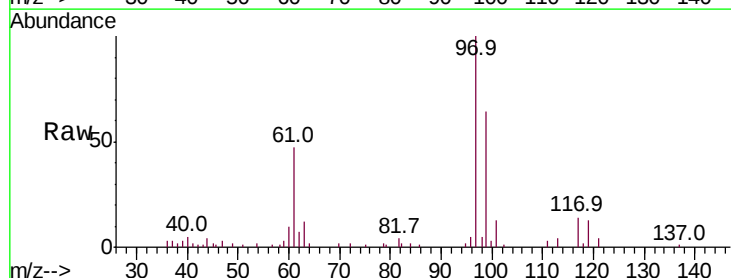
Manual Integrations  
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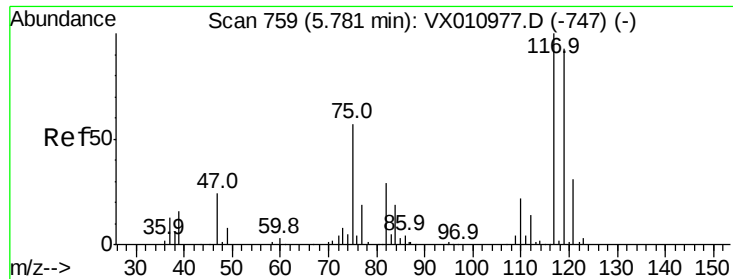
MMDadoda  
 7/19/2019 3:12:58 PM



#32  
 1,1,1-Trichloroethane  
 Concen: 4.477 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

Tgt Ion: 97 Resp: 16249  
 Ion Ratio Lower Upper  
 97 100  
 99 64.1 51.0 76.6  
 61 43.5 34.3 51.5





#33

Carbon Tetrachloride

Concen: 4.325 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

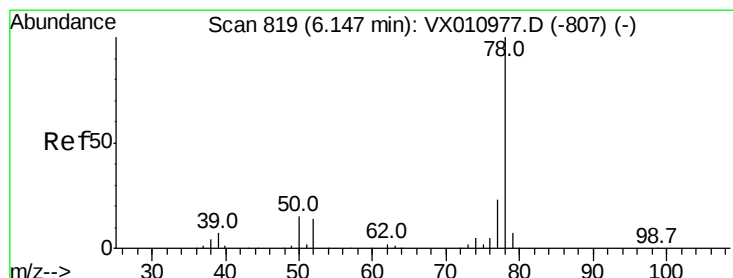
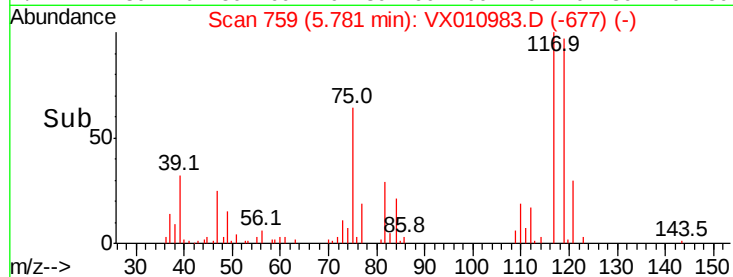
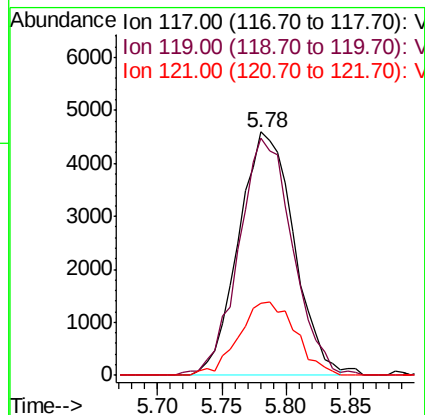
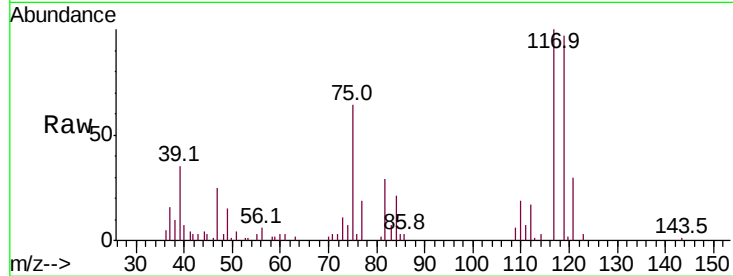
ClientSampleId :

LOQ-WATER-02-QT3-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 117   | Resp: | 13650 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 96.1  | 74.3  | 111.5 |
| 121      | 29.7  | 24.9  | 37.3  |

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#34

Benzene

Concen: 4.884 ug/l

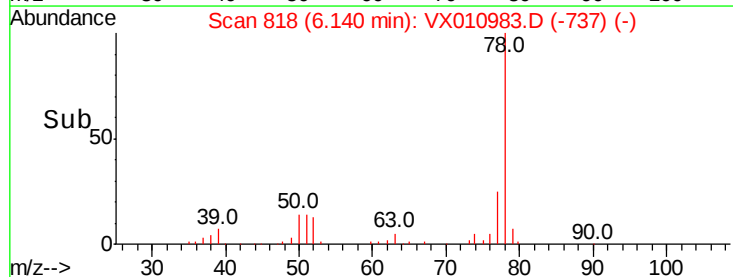
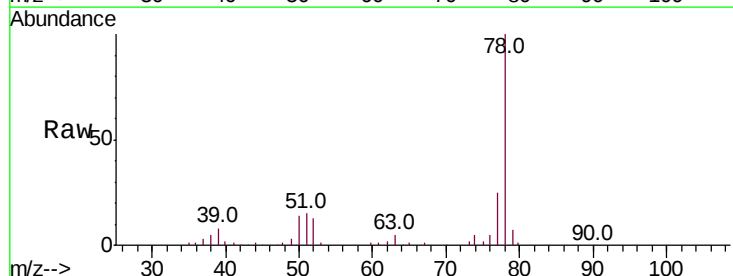
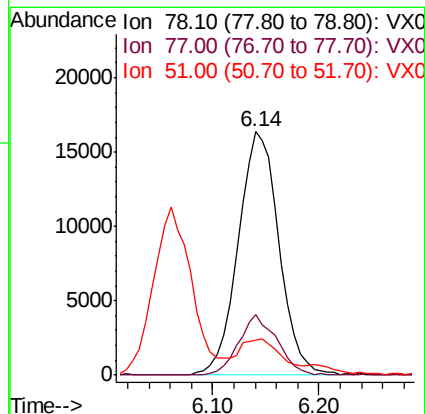
RT: 6.14 min Scan# 818

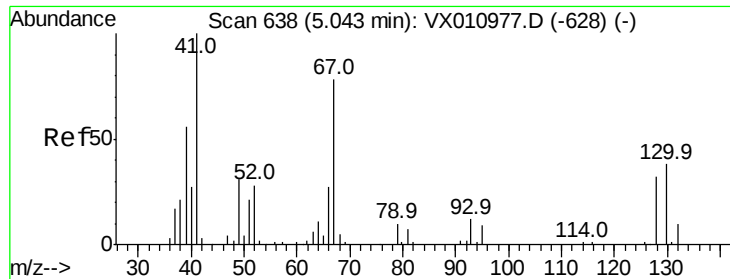
Delta R.T. -0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 44093 |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 25.0  | 18.2  | 27.4  |
| 51       | 12.9  | 11.4  | 17.2  |





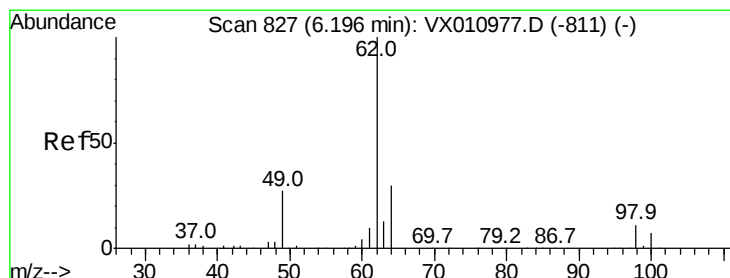
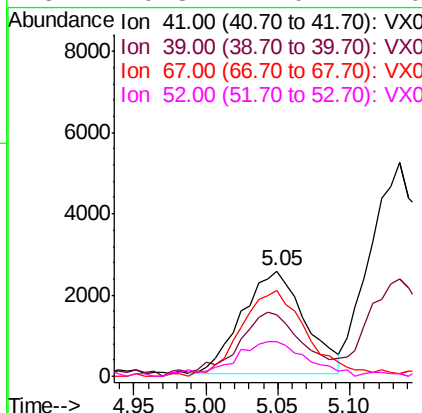
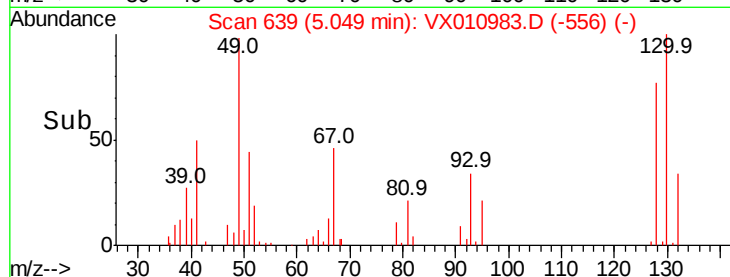
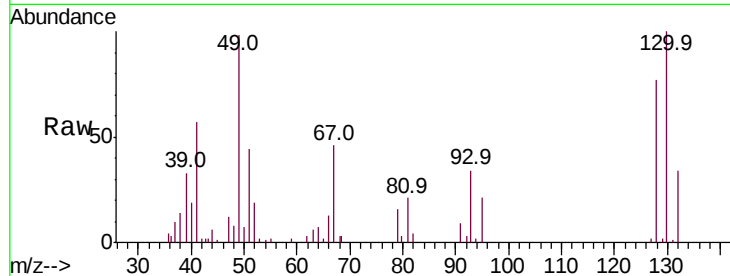
#35  
Methacrylonitrile  
Concen: 4.501 ug/l  
RT: 5.05 min Scan# 639  
Delta R.T. 0.01 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 56.3  | 27.6  | 82.8  |
| 67      | 83.6  | 39.1  | 117.2 |
| 52      | 29.3  | 14.0  | 42.0  |

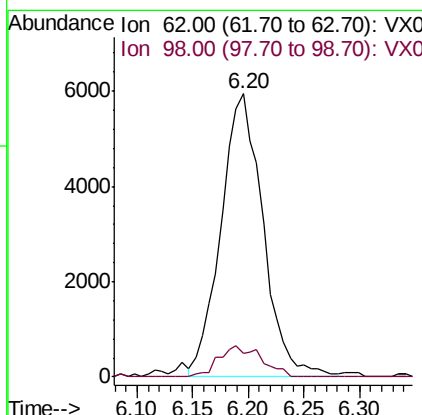
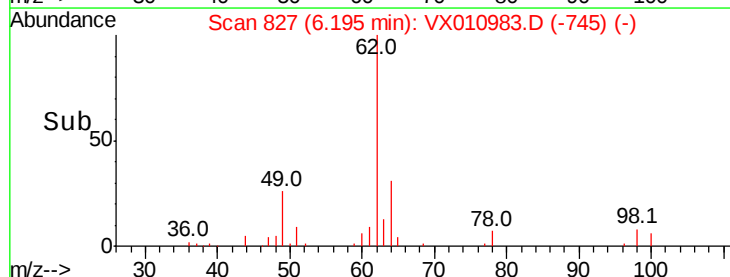
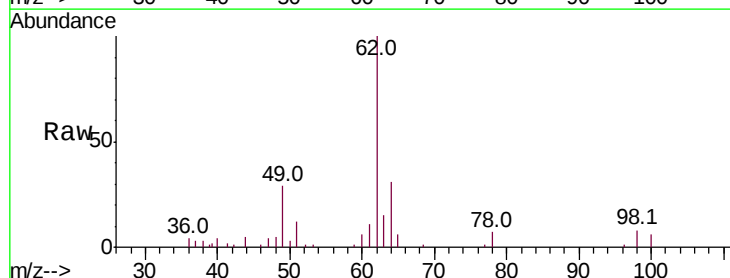
Manual Integrations  
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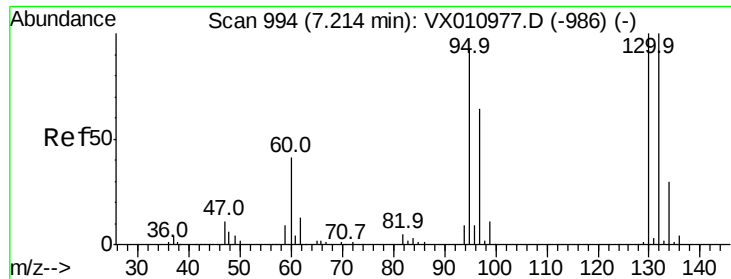
MMDadoda  
7/19/2019 3:12:58 PM



#36  
1,2-Dichloroethane  
Concen: 4.845 ug/l  
RT: 6.20 min Scan# 827  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 5.3   | 8.0   | 12.0# |





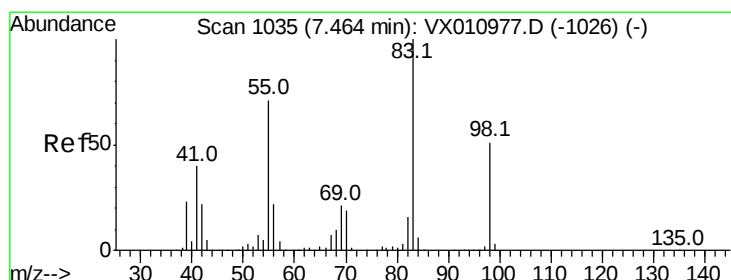
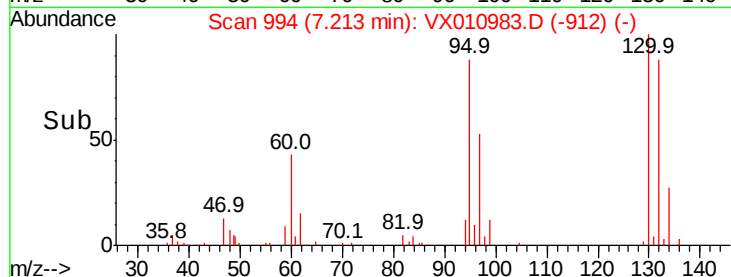
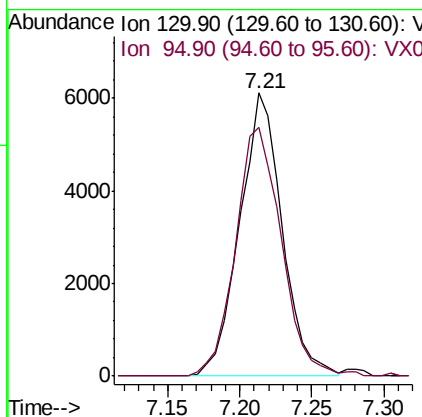
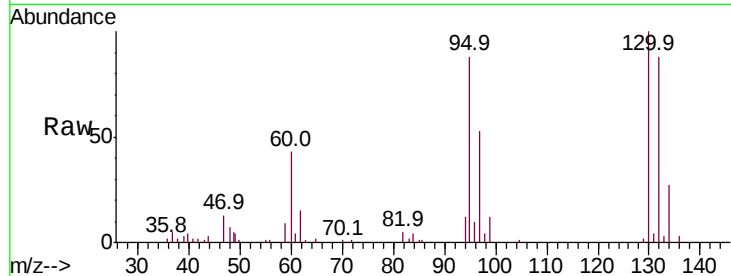
#37  
 Trichloroethene  
 Concen: 4.724 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

Tot Ion:130 Resp: 12486  
 Ion Ratio Lower Upper  
 130 100  
 95 88.0 74.1 111.1

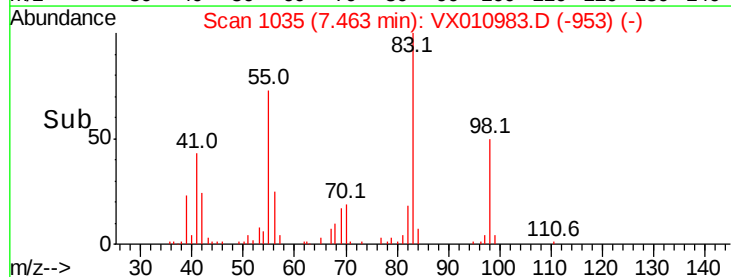
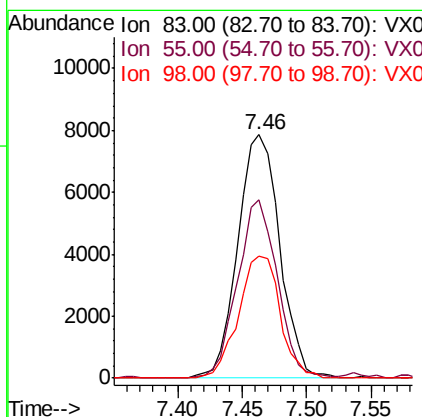
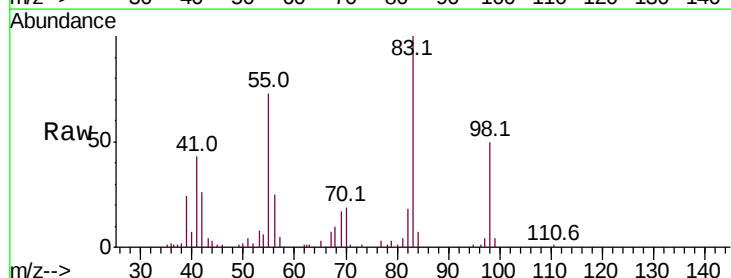
Manual Integrations  
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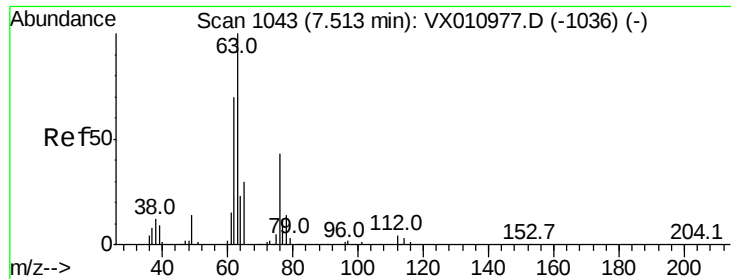
MMDadoda  
 7/19/2019 3:12:58 PM



#38  
 Methylcyclohexane  
 Concen: 4.679 ug/l  
 RT: 7.46 min Scan# 1035  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

Tgt Ion: 83 Resp: 17772  
 Ion Ratio Lower Upper  
 83 100  
 55 69.7 35.3 105.9  
 98 49.6 24.0 72.0





#39

1,2-Dichloropropane

Concen: 4.725 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 63 Resp: 10662

Ion Ratio Lower Upper

63 100

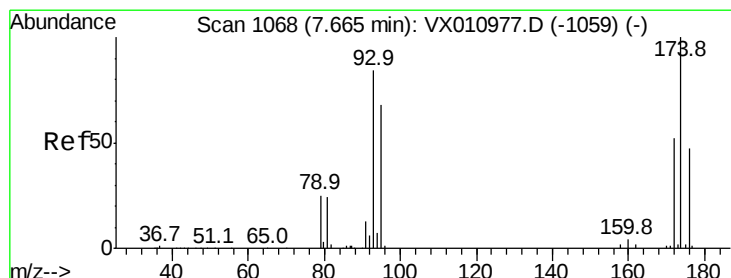
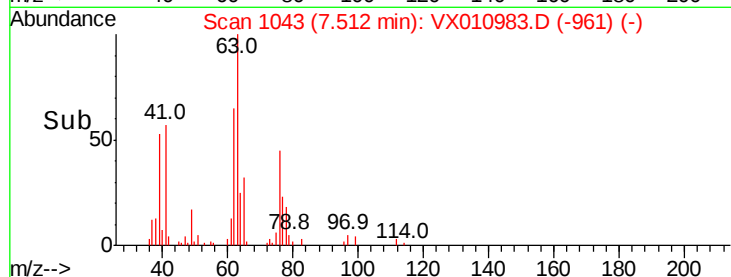
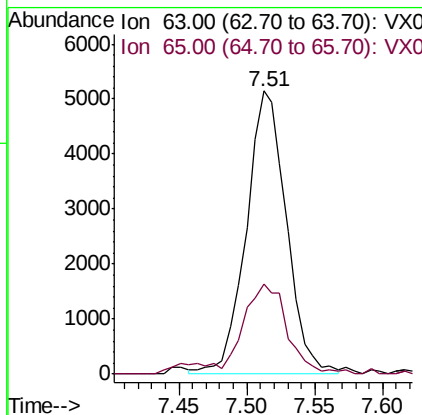
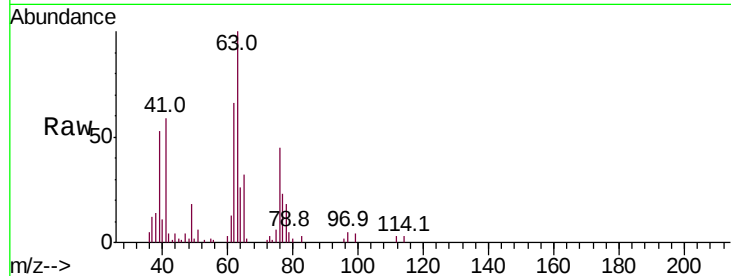
65 31.3 25.6 38.4

Manual Integrations

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#40

Dibromomethane

Concen: 4.765 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

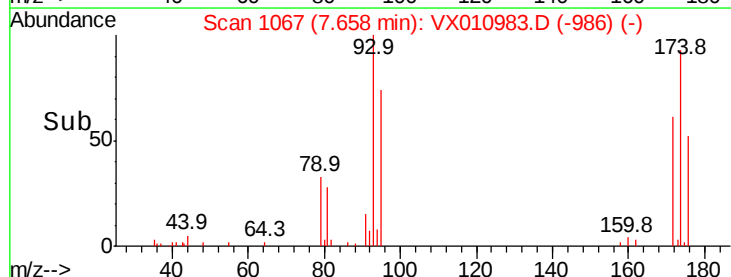
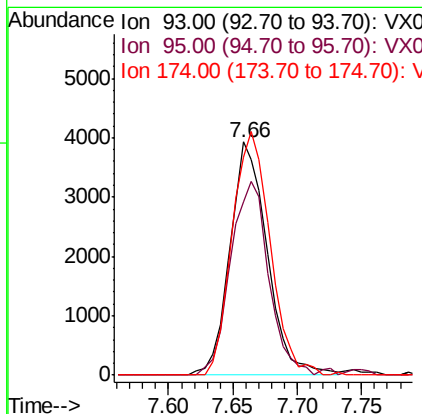
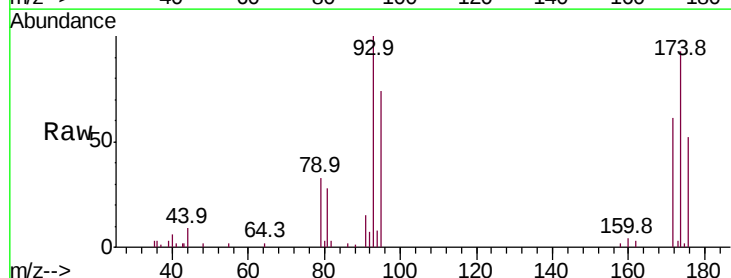
Tgt Ion: 93 Resp: 7909

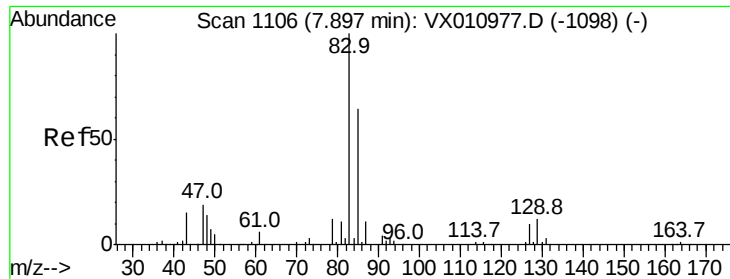
Ion Ratio Lower Upper

93 100

95 85.0 0.0 166.0

174 104.8 0.0 229.2





#41

Bromodichloromethane

Concen: 4.210 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

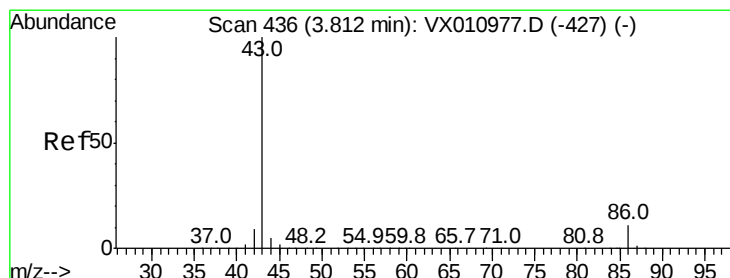
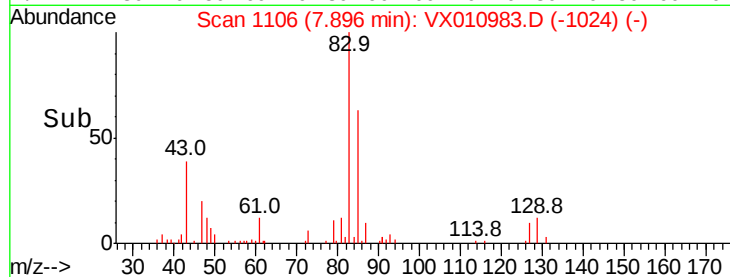
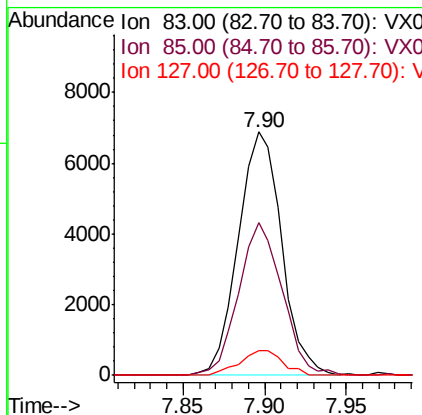
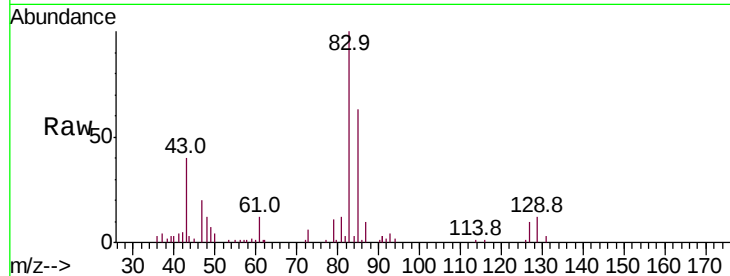
ClientSampleId :

LOQ-WATER-02-QT3-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 12719 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.6  | 50.9  | 76.3  |
| 127      | 10.4  | 7.7   | 11.5  |

Manual Integrations  
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#42

Vinyl Acetate

Concen: 20.819 ug/l

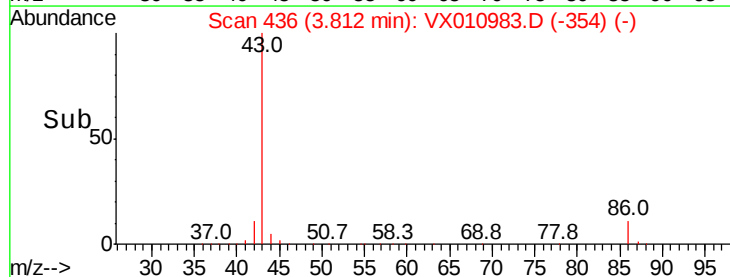
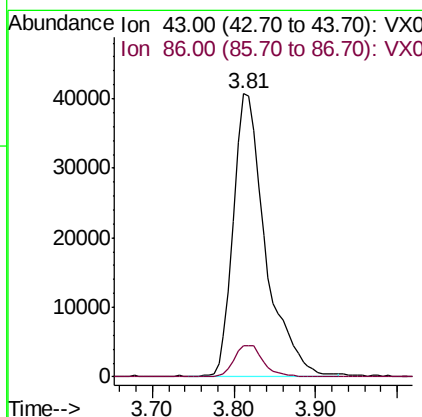
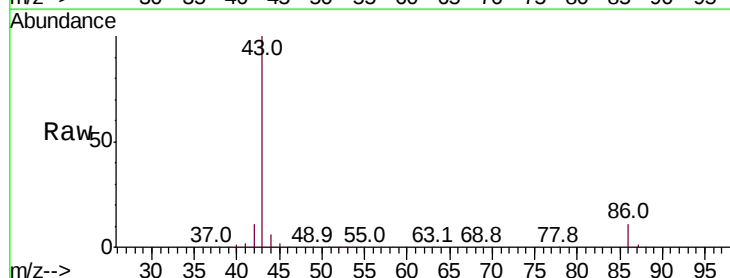
RT: 3.81 min Scan# 436

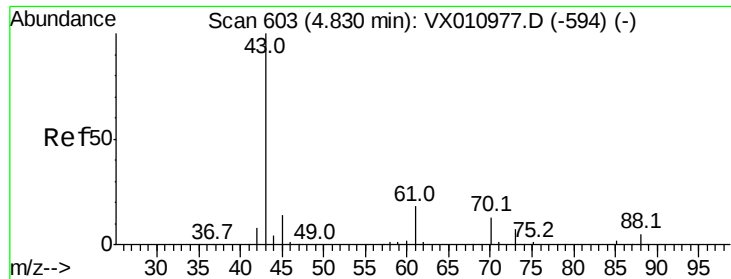
Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 111439 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 86       | 10.0  | 8.2   | 12.2   |





#43

Ethyl Acetate

Concen: 4.291 ug/l

RT: 4.84 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 13381

Ion Ratio Lower Upper

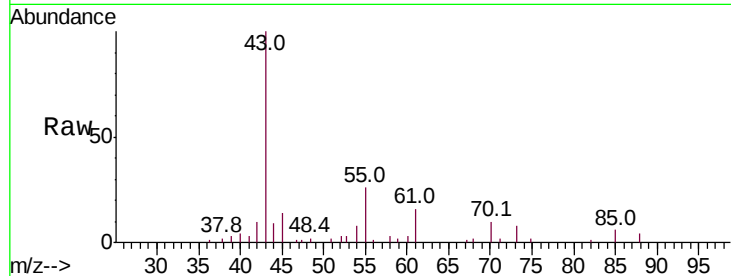
43 100

45 19.7 12.1 18.1#

Manual Integrations  
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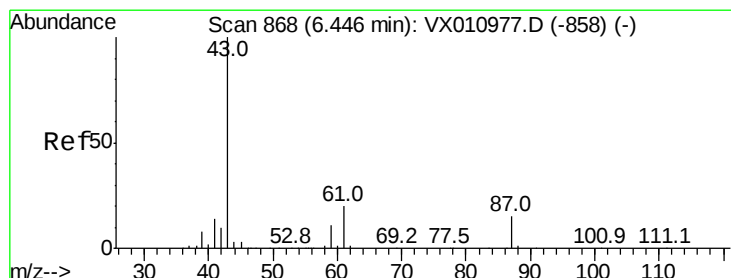
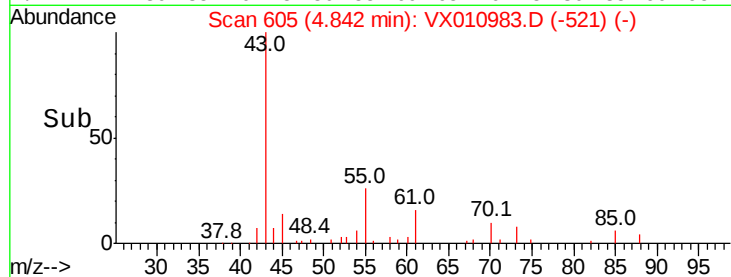
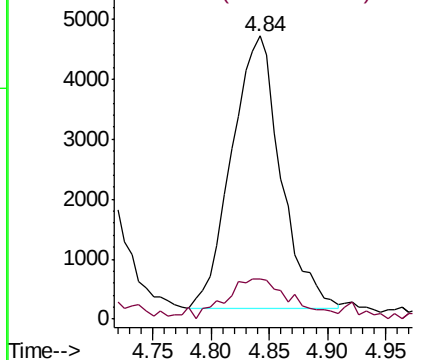
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 4.218 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010983.D

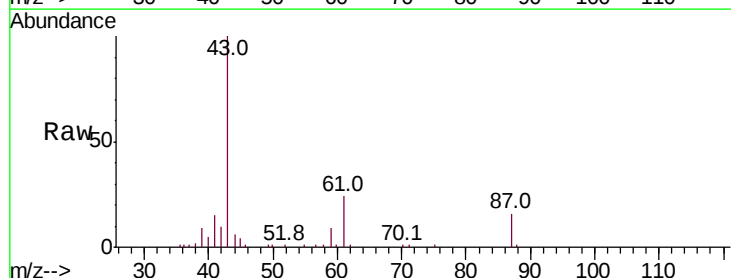
Acq: 19 Jul 2019 01:28

Tgt Ion: 43 Resp: 21427

Ion Ratio Lower Upper

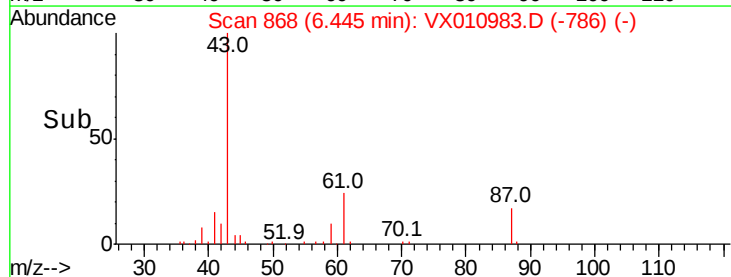
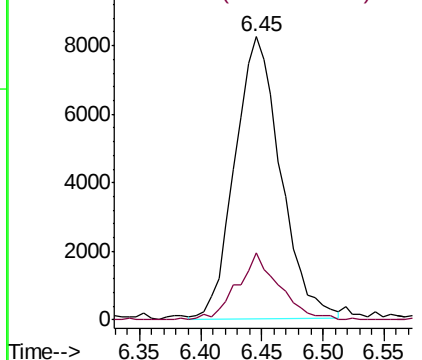
43 100

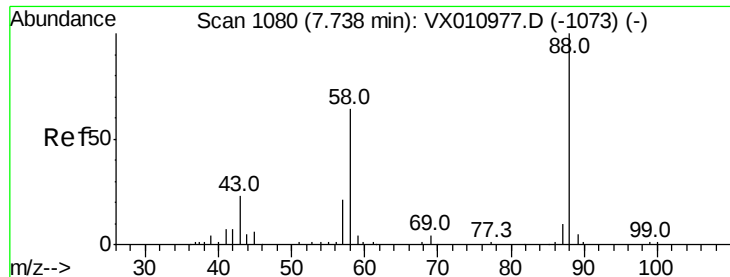
61 19.3 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#45

1,4-Dioxane

Concen: 97.633 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

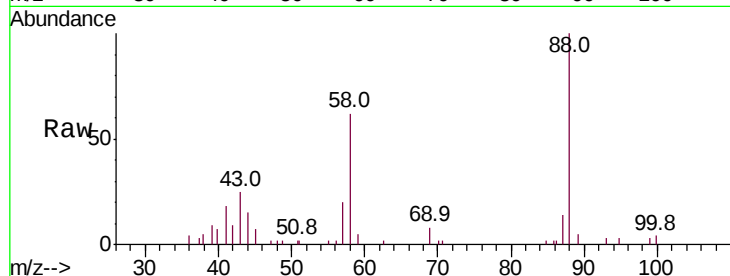
ClientSampleId :

LOQ-WATER-02-QT3-2019

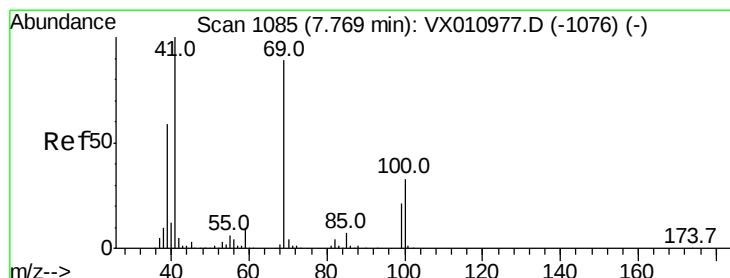
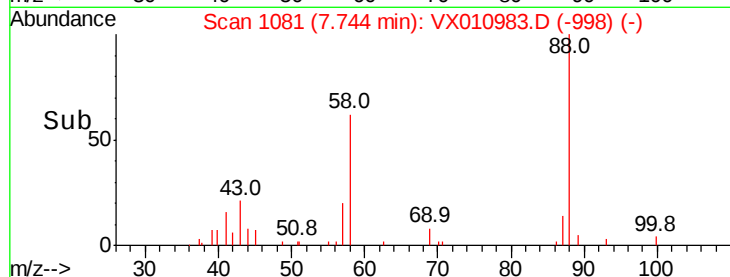
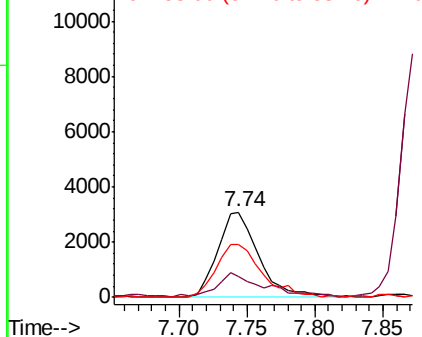
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 6455  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 19.6  | 21.6  | 32.4# |
| 58       | 63.7  | 52.2  | 78.2  |

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



#46

Methyl methacrylate

Concen: 4.291 ug/l

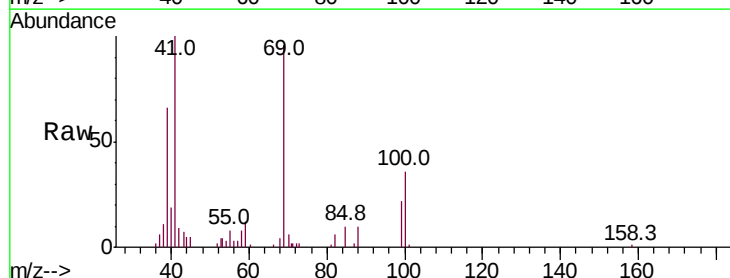
RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

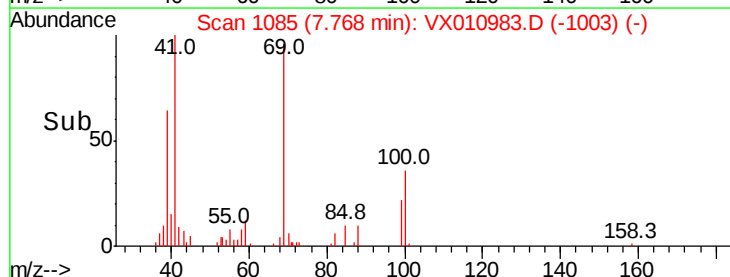
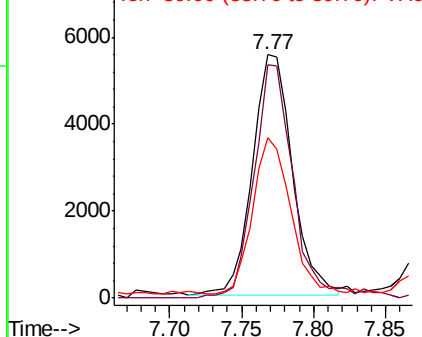
Lab File: VX010983.D

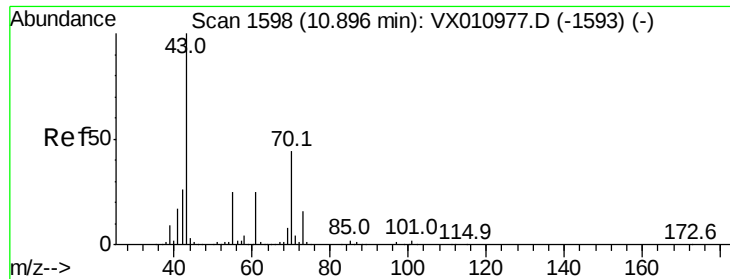
Acq: 19 Jul 2019 01:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 10581 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 97.5  | 44.7  | 134.1 |
| 39       | 64.0  | 29.4  | 88.2  |



Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0





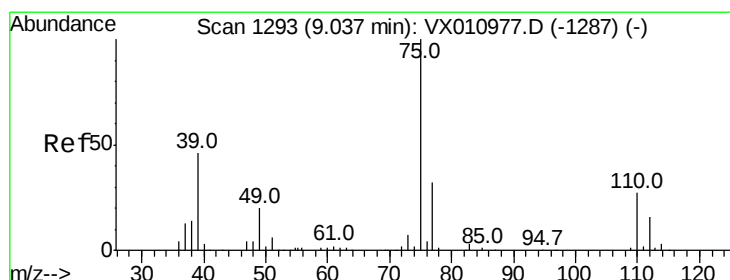
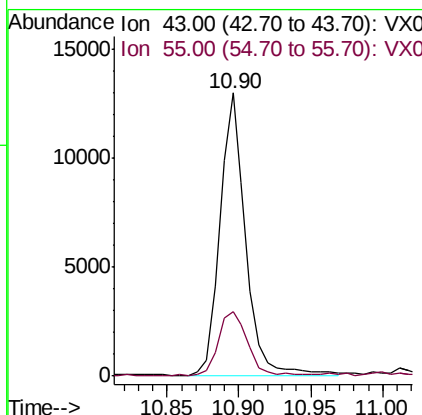
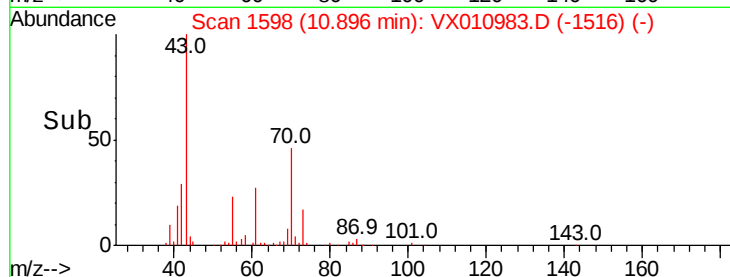
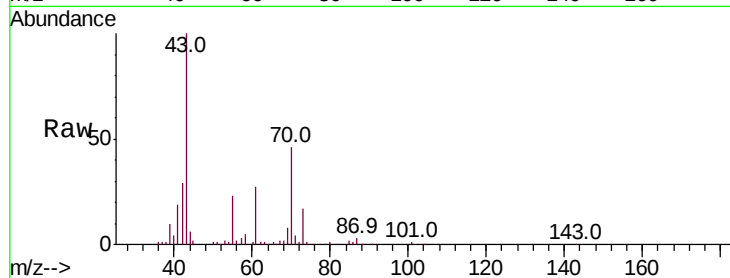
#47  
n-amvl Acetate  
Concen: 3.594 ug/l  
RT: 10.90 min Scan# 1598  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 16372  
Ion Ratio Lower Upper  
43 100  
55 25.4 19.6 29.4

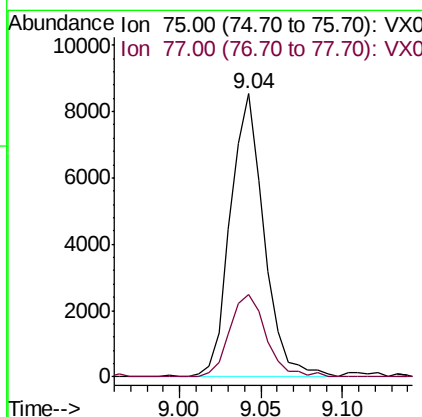
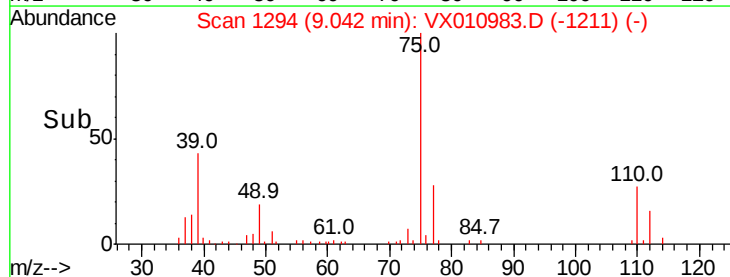
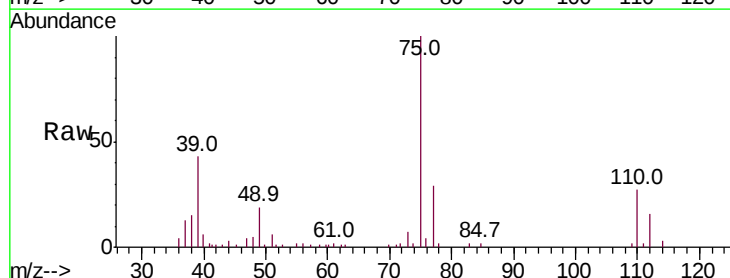
Manual Integrations  
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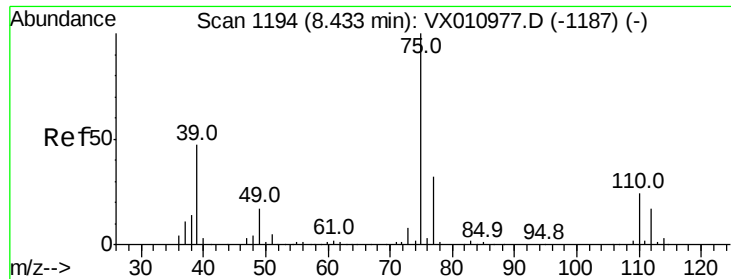
MMDadoda  
7/19/2019 3:12:58 PM



#48  
t-1,3-Dichloropropene  
Concen: 3.848 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. 0.01 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Tgt Ion: 75 Resp: 12252  
Ion Ratio Lower Upper  
75 100  
77 28.9 25.7 38.5





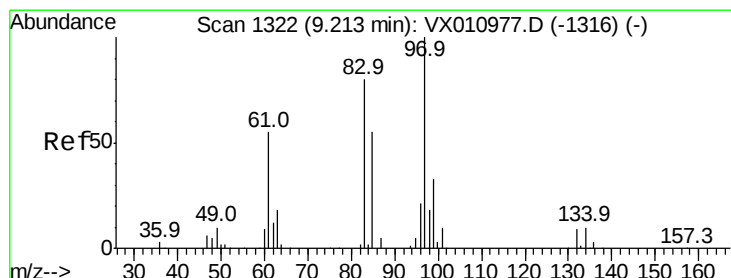
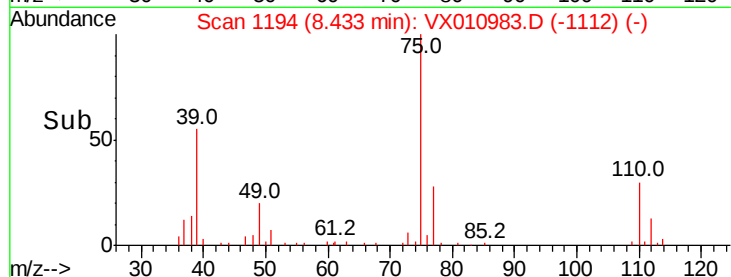
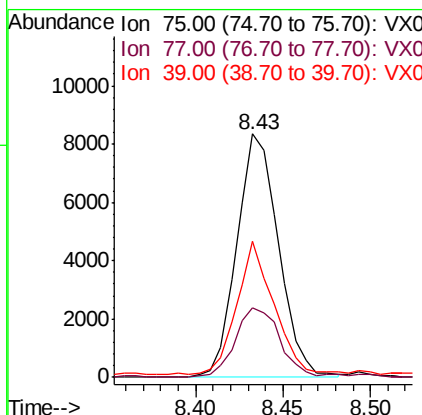
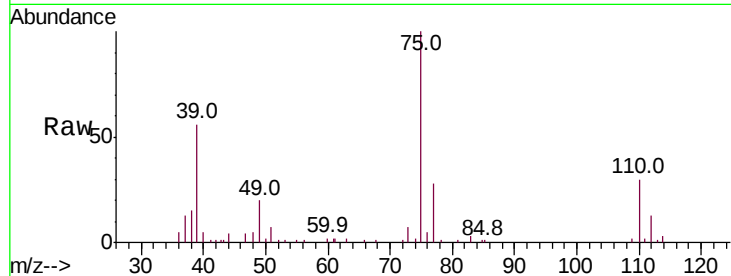
#49  
 cis-1,3-Dichloropropene  
 Concen: 3.980 ug/l  
 RT: 8.43 min Scan# 1194  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 28.3  | 25.3  | 37.9  |
| 39      | 54.7  | 37.8  | 56.6  |

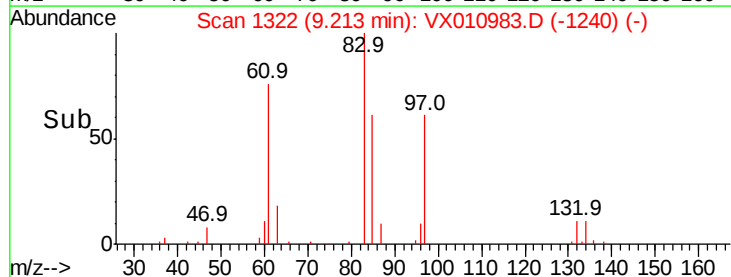
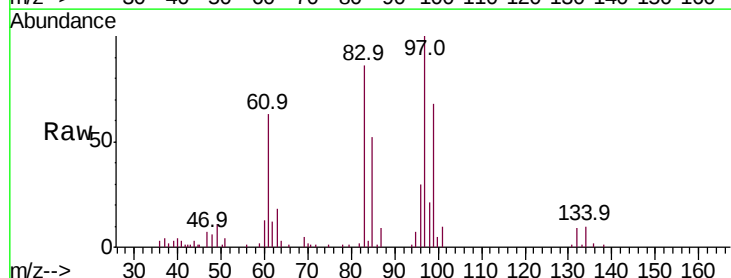
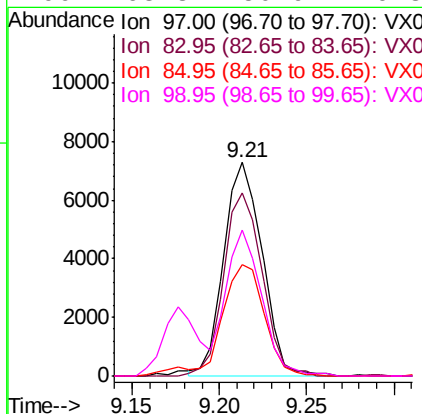
Manual Integrations  
 APPROVED

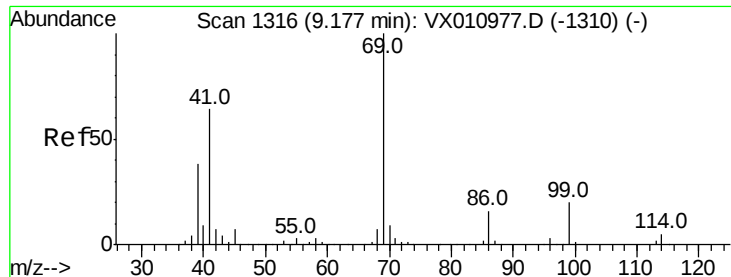
MMDadoda  
 7/19/2019 3:12:58 PM



#50  
 1,1,2-Trichloroethane  
 Concen: 4.592 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 85.9  | 63.9  | 95.9  |
| 85      | 51.9  | 43.4  | 65.2  |
| 99      | 68.3  | 50.9  | 76.3  |





#51

Ethyl methacrylate

Concen: 4.431 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

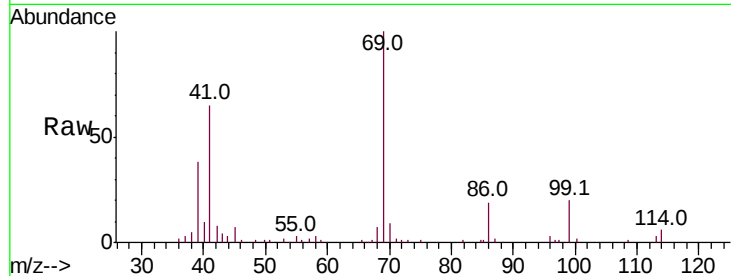
ClientSampleId :

LOQ-WATER-02-QT3-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 69    | Resp: | 16645 |
| Ion Ratio | Lower | Upper |       |
| 69        | 100   |       |       |
| 41        | 64.4  | 32.1  | 96.3  |
| 39        | 37.5  | 19.1  | 57.3  |

Manual Integrations  
APPROVED

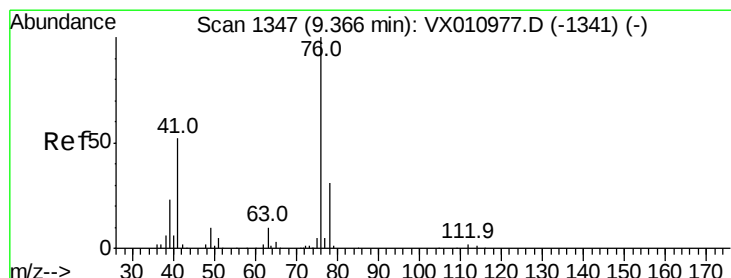
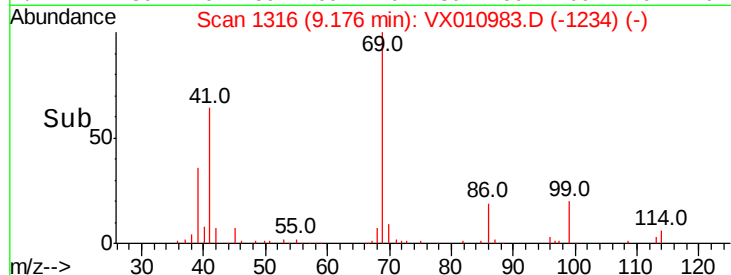
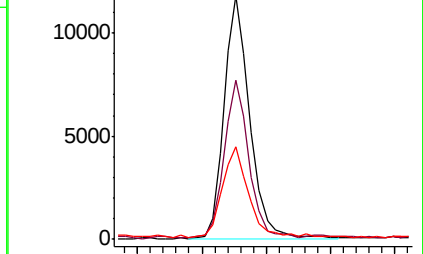
MMDadoda  
7/19/2019 3:12:58 PM



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 4.659 ug/l

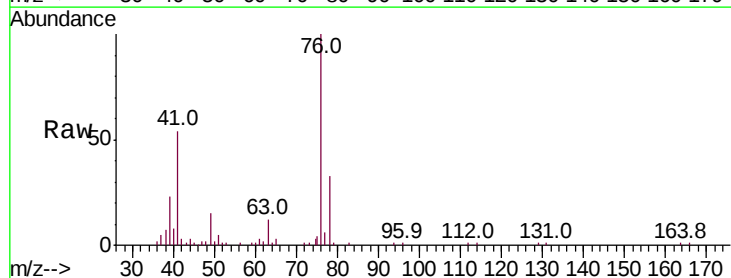
RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX010983.D

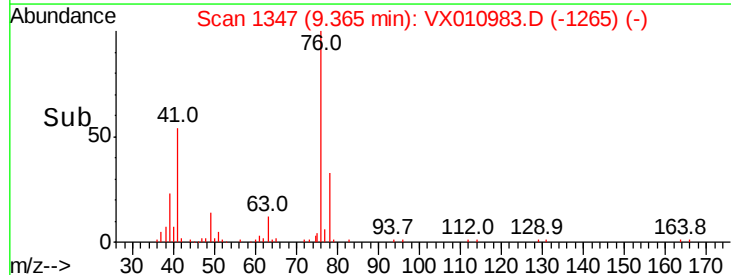
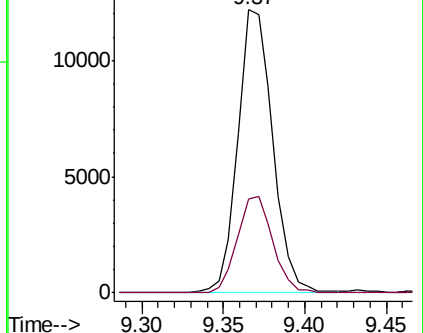
Acq: 19 Jul 2019 01:28

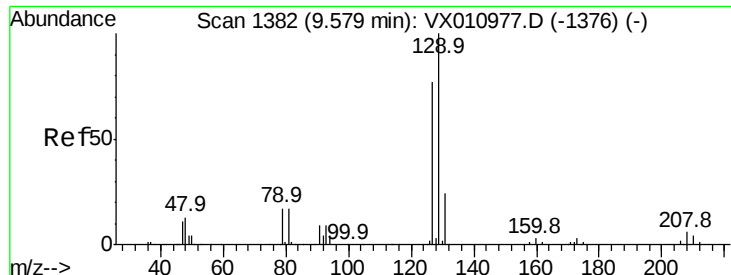
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 76    | Resp: | 18186 |
| Ion Ratio | Lower | Upper |       |
| 76        | 100   |       |       |
| 78        | 34.4  | 0.0   | 63.8  |



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 3.740 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:129 Resp: 9812

Ion Ratio Lower Upper

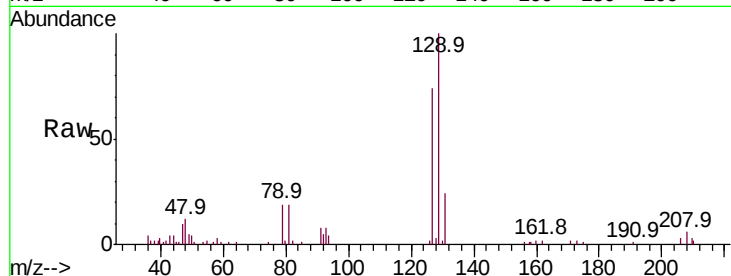
129 100

127 78.3 38.1 114.3

Manual Integrations  
APPROVED

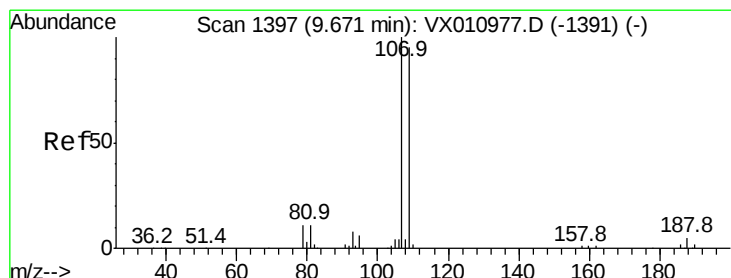
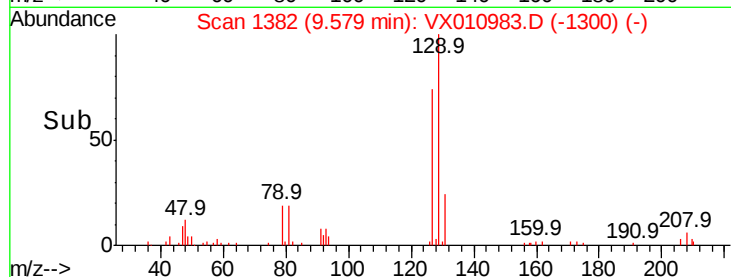
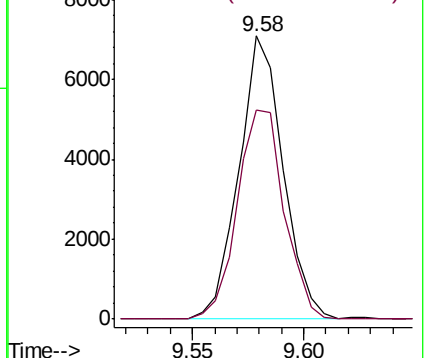
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.493 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010983.D

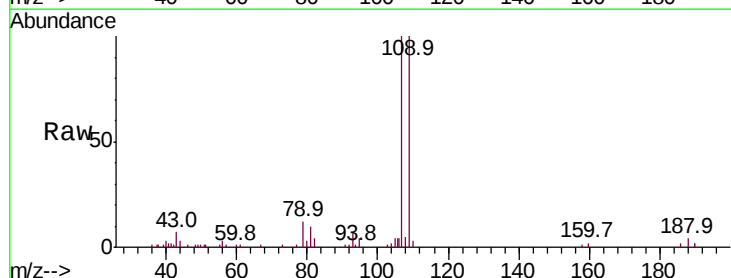
Acq: 19 Jul 2019 01:28

Tgt Ion:107 Resp: 11861

Ion Ratio Lower Upper

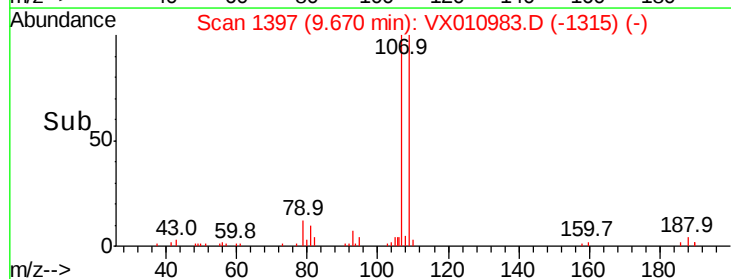
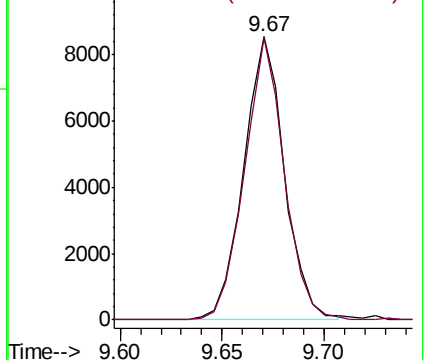
107 100

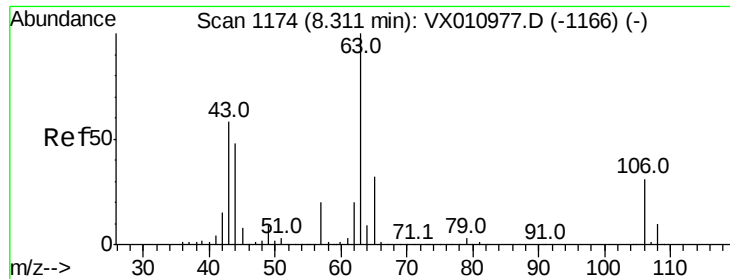
109 96.9 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





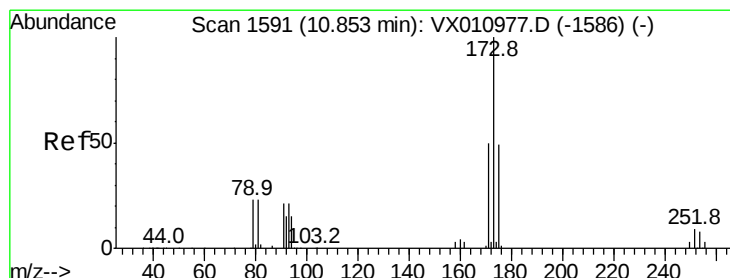
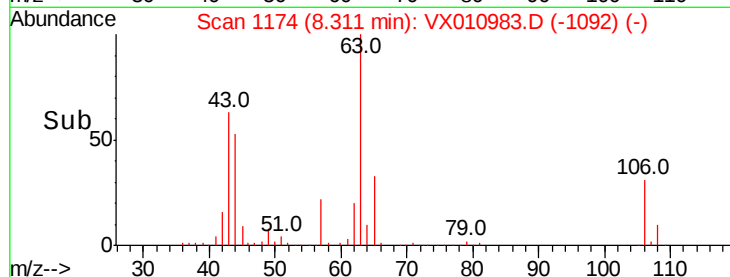
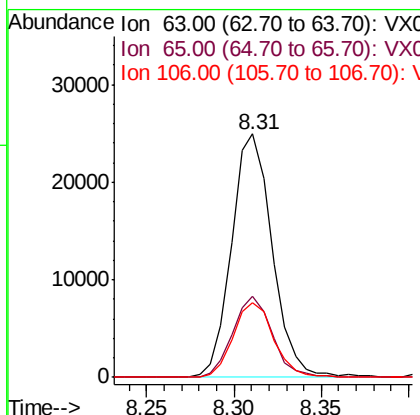
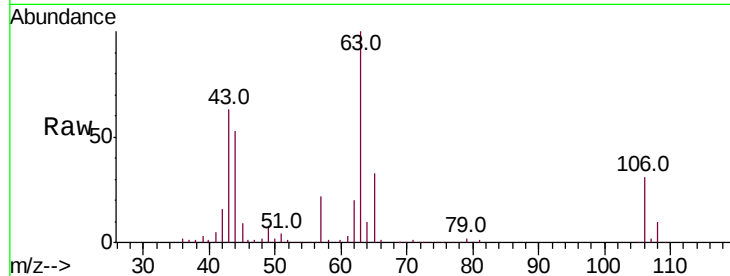
#55  
2-Chloroethyl vinyl ether  
Concen: 25.276 ug/l  
RT: 8.31 min Scan# 1174  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.6  | 25.7  | 38.5  |
| 106     | 30.6  | 24.8  | 37.2  |

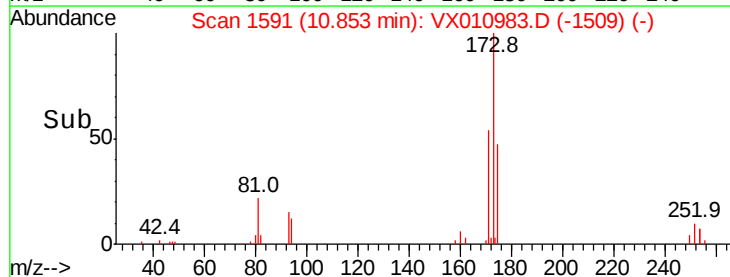
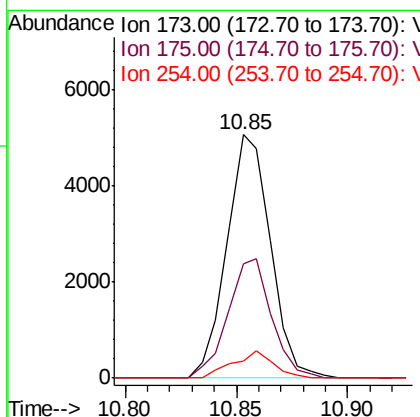
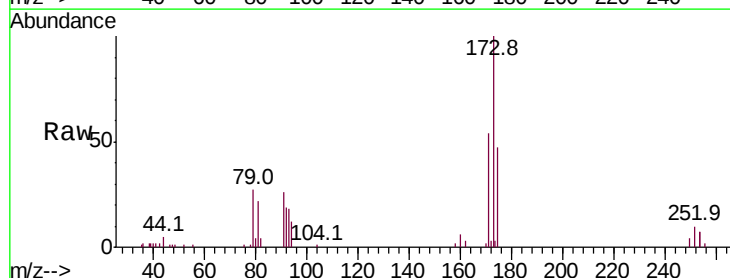
Manual Integrations  
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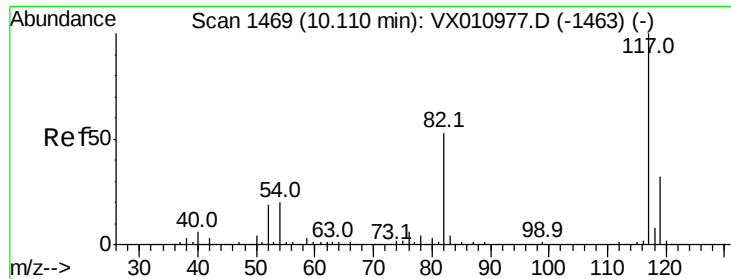
MMDadoda  
7/19/2019 3:12:58 PM



#56  
Bromoform  
Concen: 3.529 ug/l  
RT: 10.85 min Scan# 1591  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.1  | 39.0  | 58.6  |
| 254     | 10.2  | 7.9   | 11.9  |





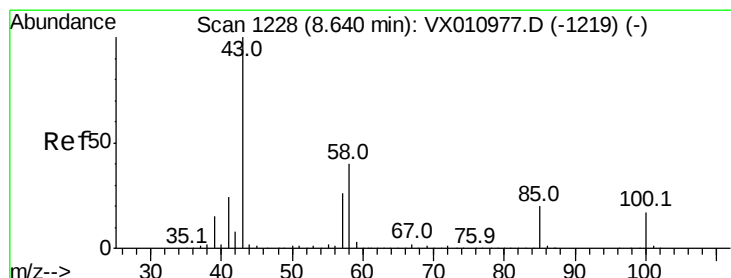
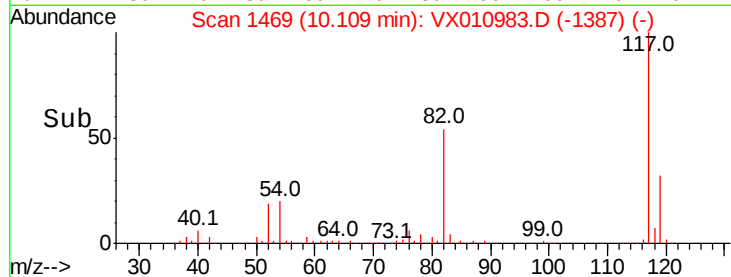
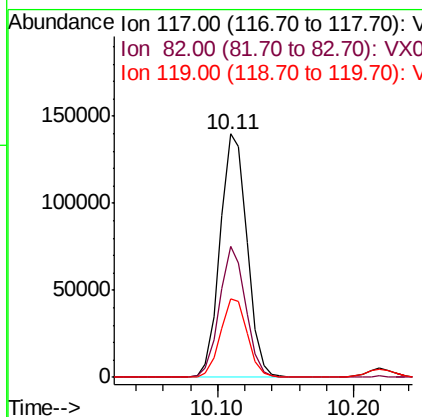
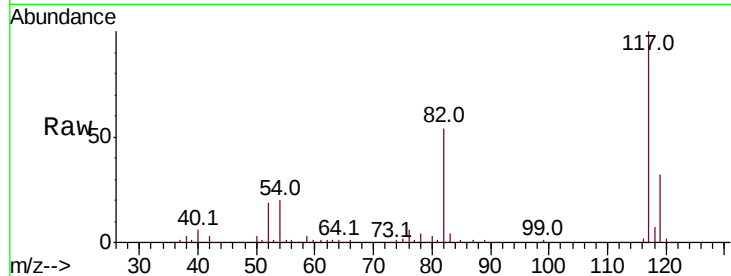
#57  
 Chlorobenzene-d5  
 Concen: 30.000 ug/l  
 RT: 10.11 min Scan# 1469  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 191176 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 52.2  | 41.6  | 62.4   |
| 119       | 32.3  | 26.0  | 39.0   |

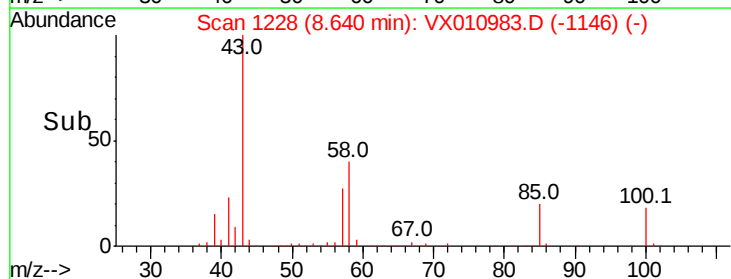
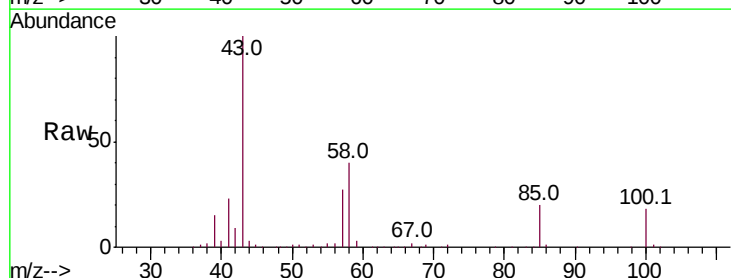
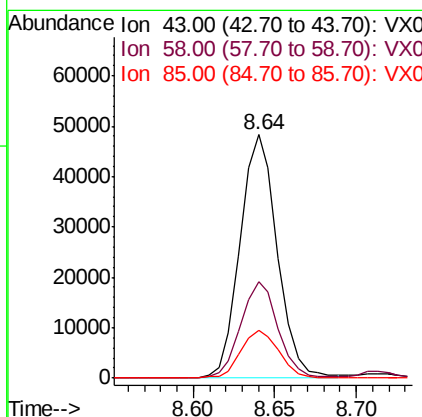
Manual Integrations  
 APPROVED

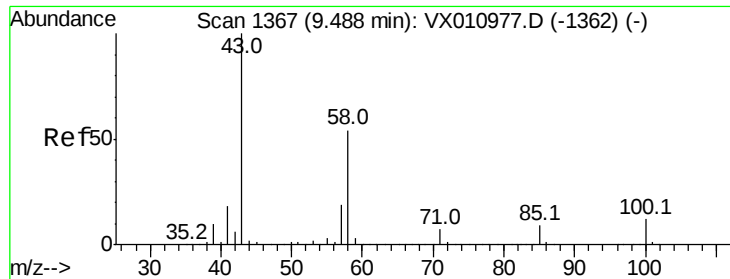
MMDadoda  
 7/19/2019 3:12:58 PM



#58  
 4-Methyl-2-Pentanone  
 Concen: 23.757 ug/l  
 RT: 8.64 min Scan# 1228  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 76704 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 39.6  | 32.6  | 48.8  |
| 85        | 20.0  | 15.8  | 23.6  |





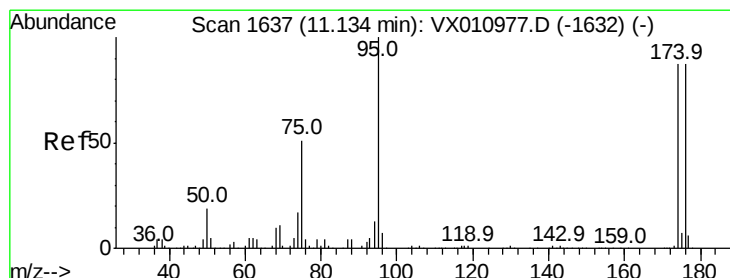
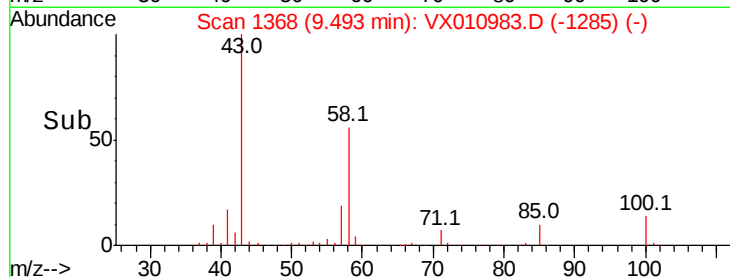
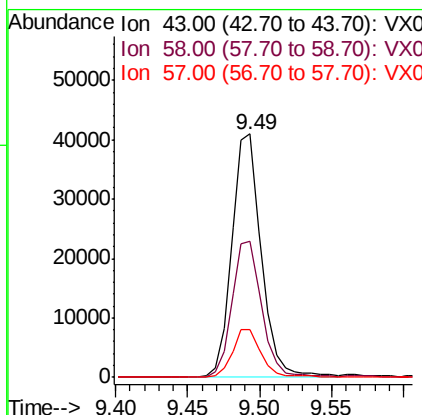
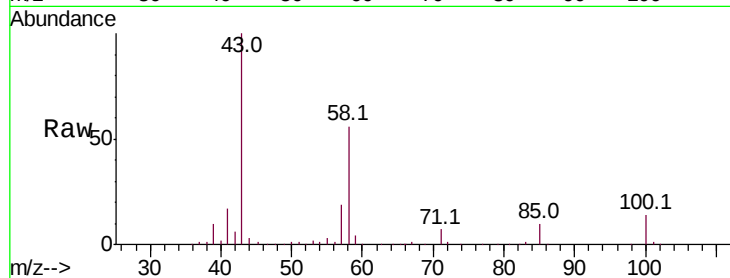
#59  
2-Hexanone  
Concen: 23.789 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. 0.01 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 56.0  | 44.7  | 67.1  |
| 57      | 19.0  | 15.4  | 23.2  |

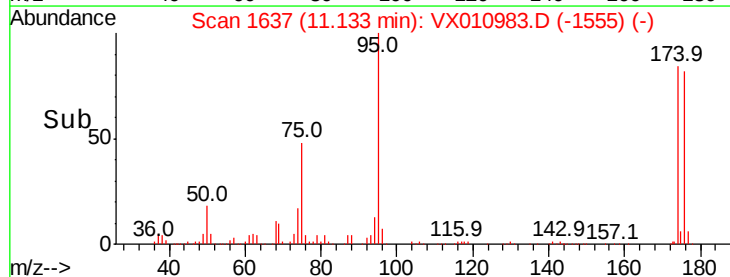
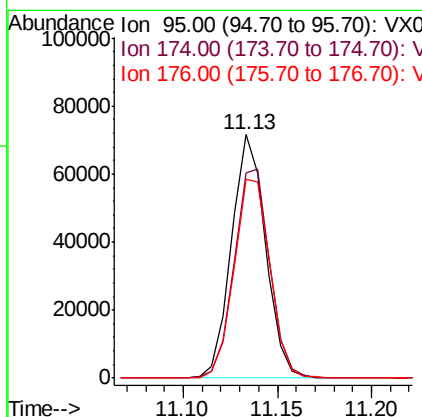
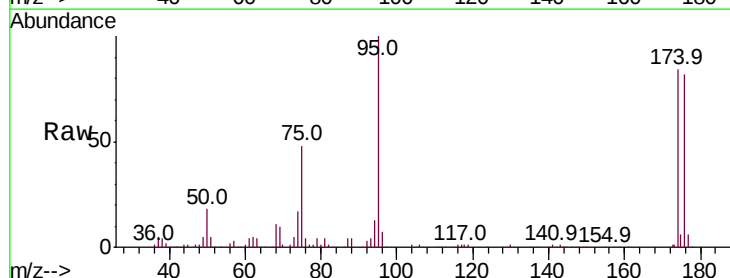
Manual Integrations  
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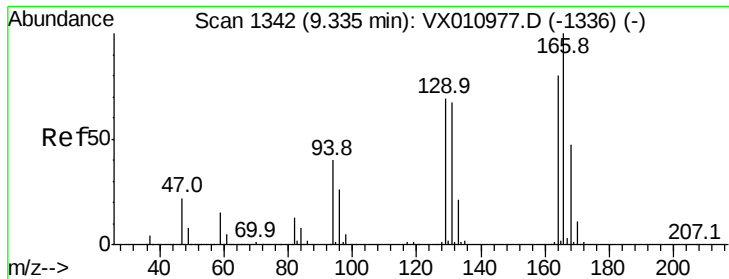
MMDadoda  
7/19/2019 3:12:58 PM



#60  
4-Bromofluorobenzene  
Concen: 28.449 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 90.0  | 73.3  | 109.9 |
| 176     | 86.8  | 71.2  | 106.8 |





#61

Tetrachloroethene

Concen: 5.158 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010983.D

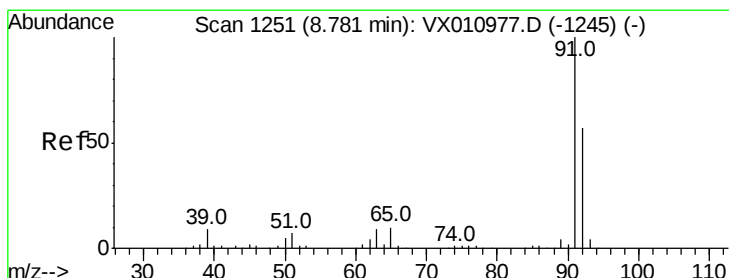
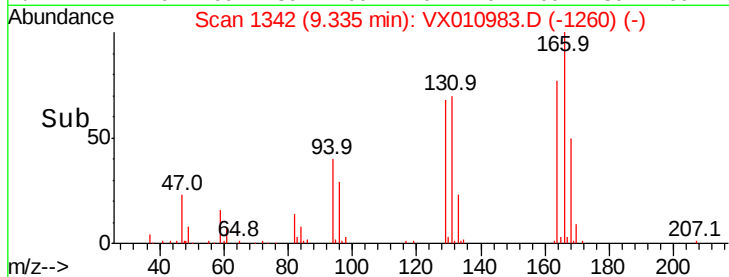
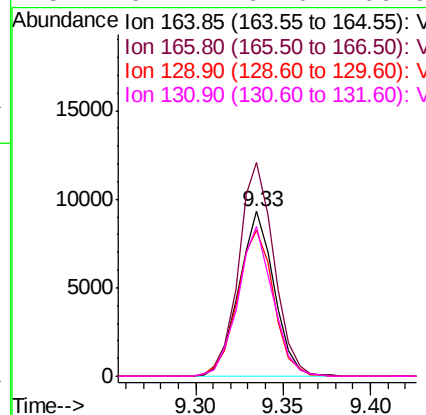
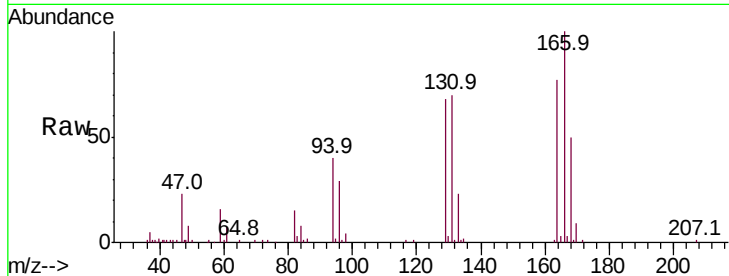
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 13019 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 129.7 | 100.1 | 150.1 |
| 129      | 88.3  | 69.6  | 104.4 |
| 131      | 91.1  | 67.0  | 100.6 |

Manual Integrations  
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#62

Toluene

Concen: 4.852 ug/l

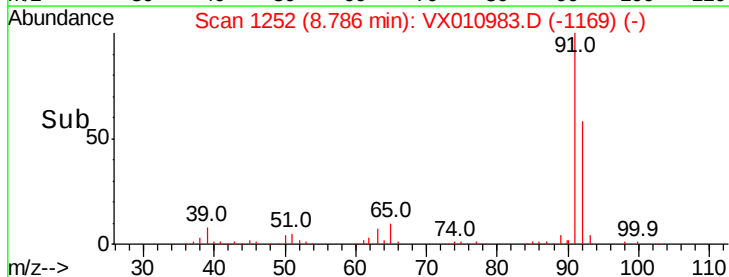
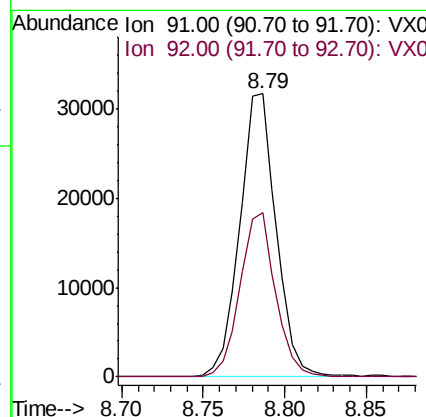
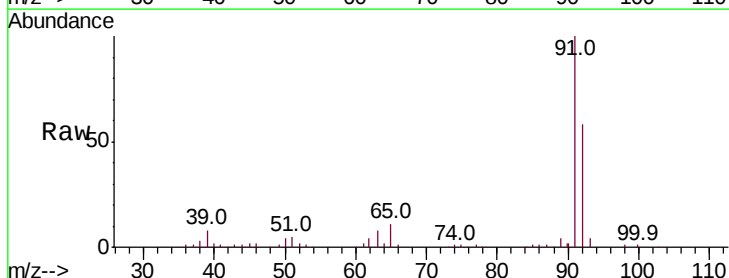
RT: 8.79 min Scan# 1252

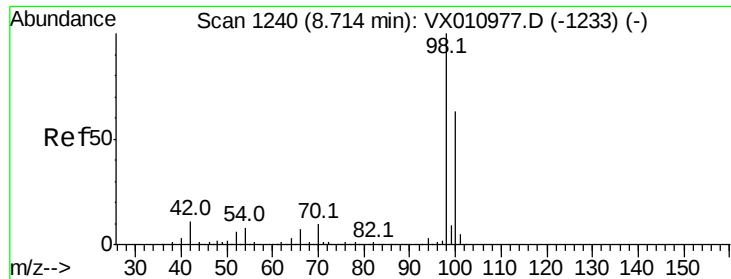
Delta R.T. 0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 49277 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 56.7  | 45.4  | 68.2  |





#63

Toluene-d8

Concen: 30.290 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 98 Resp: 254526

Ion Ratio Lower Upper

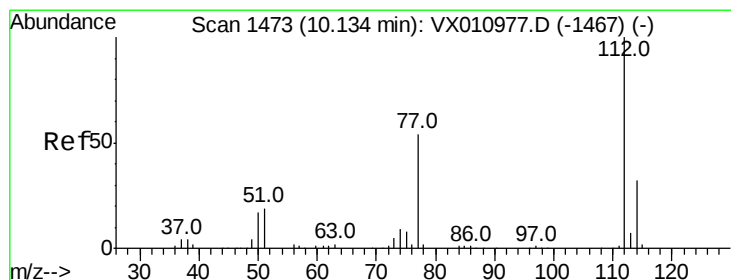
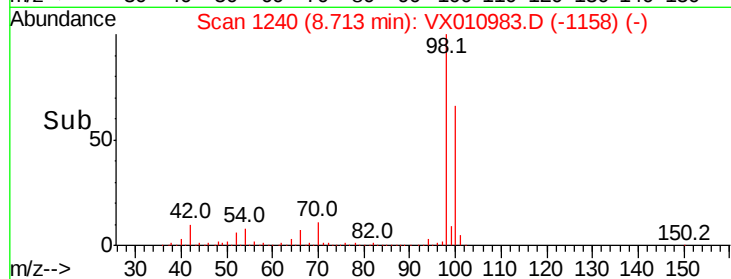
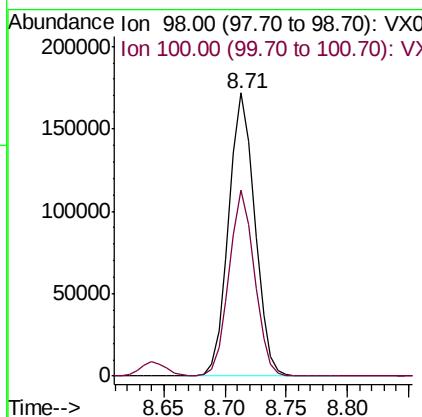
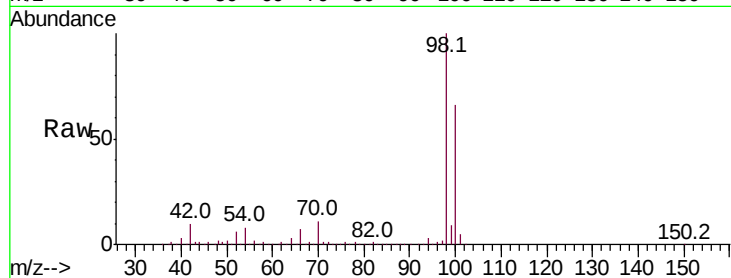
98 100

100 64.2 51.4 77.0

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#64

Chlorobenzene

Concen: 4.869 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010983.D

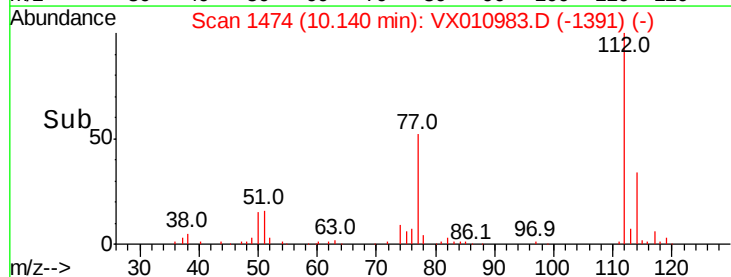
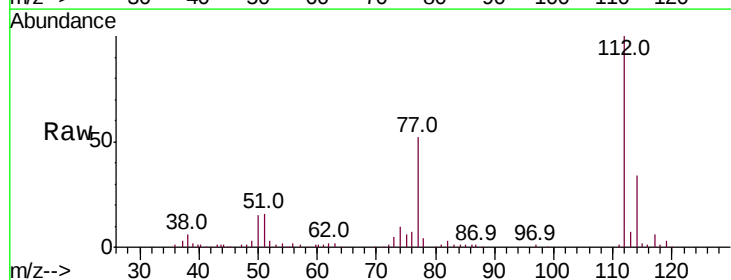
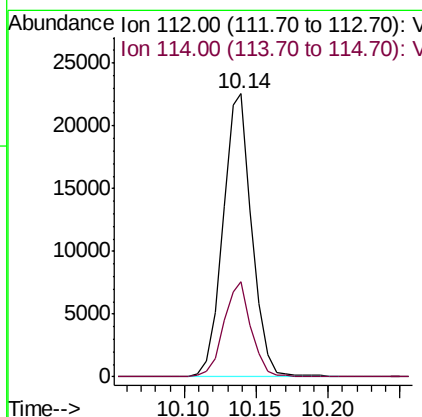
Acq: 19 Jul 2019 01:28

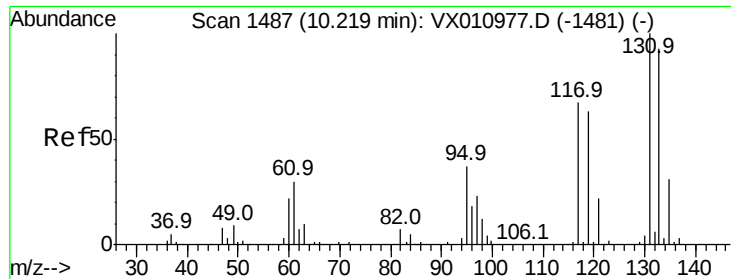
Tgt Ion: 112 Resp: 31684

Ion Ratio Lower Upper

112 100

114 33.6 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 4.208 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

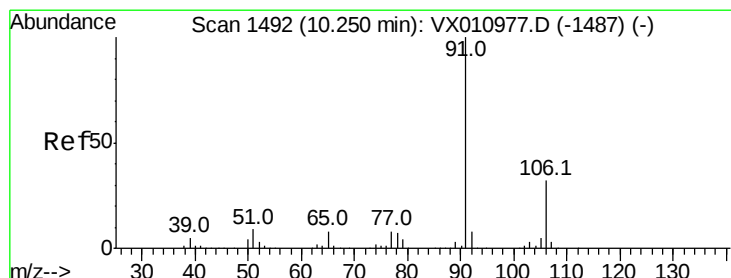
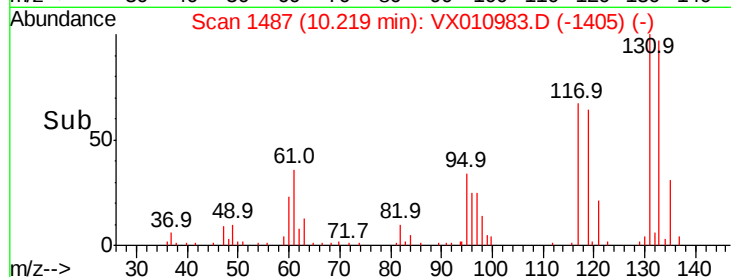
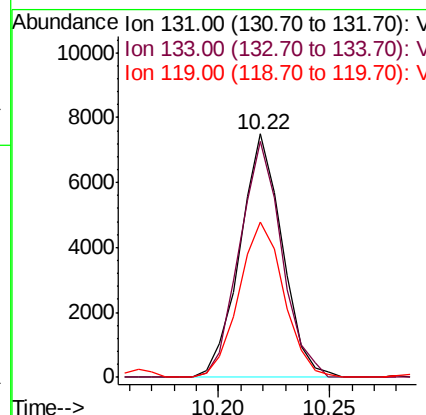
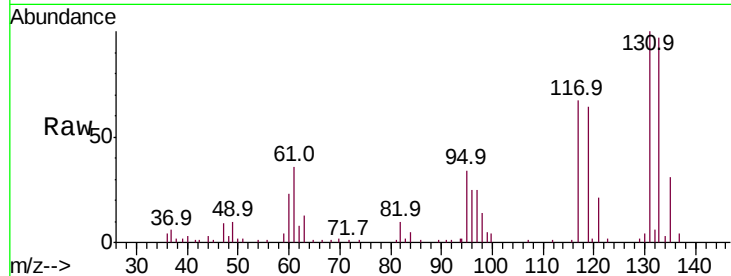
ClientSampleId :

LOQ-WATER-02-QT3-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 131   | Resp: | 9952  |
| Ion      | Ratio | Lower | Upper |
| 131      | 100   |       |       |
| 133      | 96.6  | 0.0   | 190.2 |
| 119      | 67.7  | 0.0   | 127.0 |

Manual Integrations  
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#66

Ethyl Benzene

Concen: 4.690 ug/l

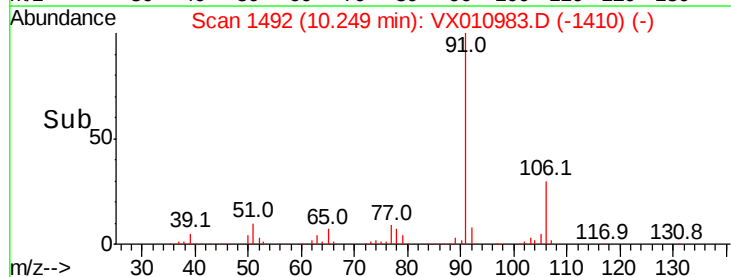
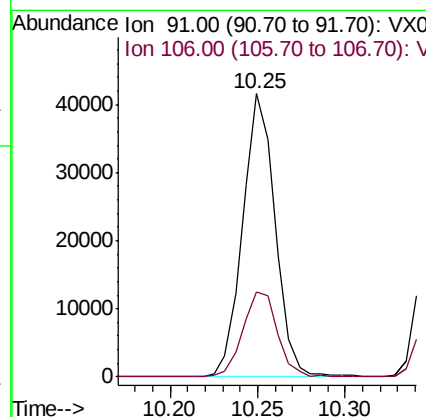
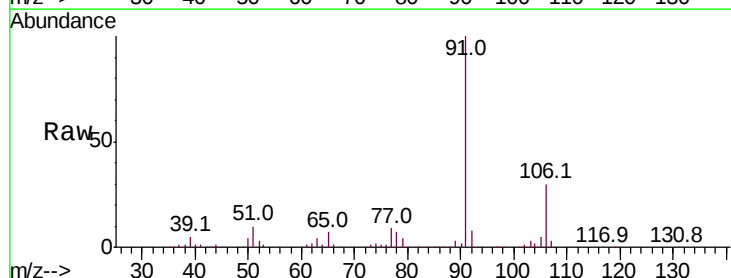
RT: 10.25 min Scan# 1492

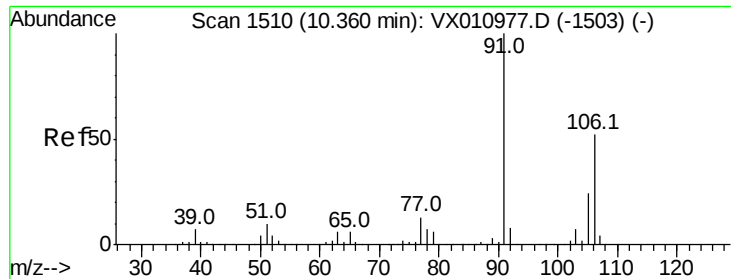
Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 53624 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 106      | 30.1  | 25.8  | 38.8  |





#67

m/p-Xylenes

Concen: 9.743 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:106 Resp: 42617

Ion Ratio Lower Upper

106 100

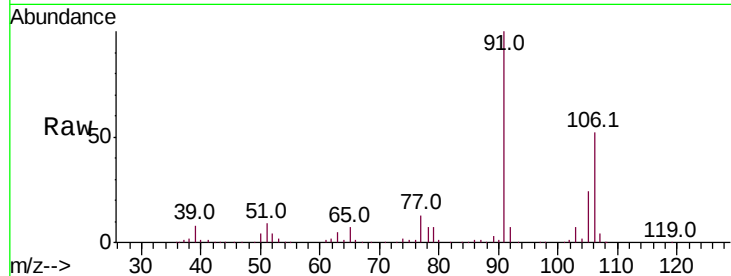
91 195.0 156.6 235.0

Manual Integrations

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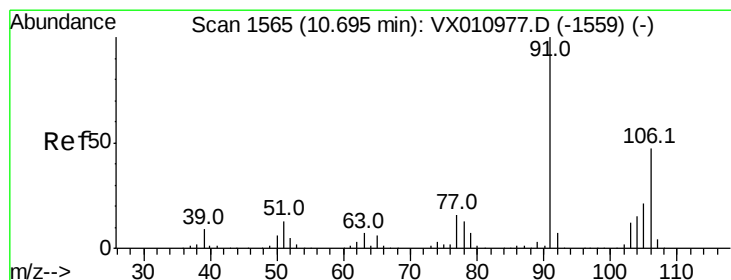
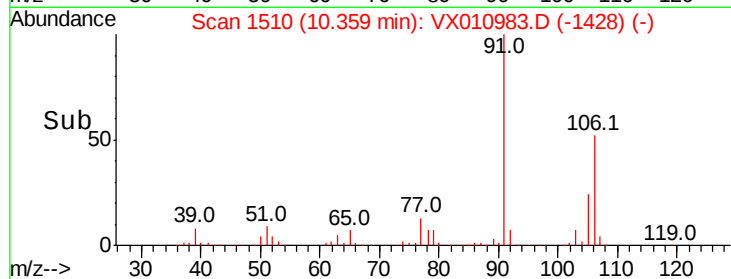
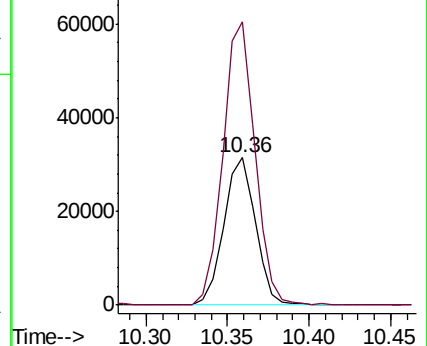
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 4.658 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX010983.D

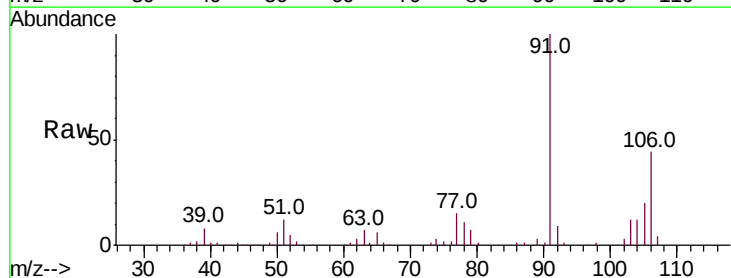
Acq: 19 Jul 2019 01:28

Tgt Ion:106 Resp: 19964

Ion Ratio Lower Upper

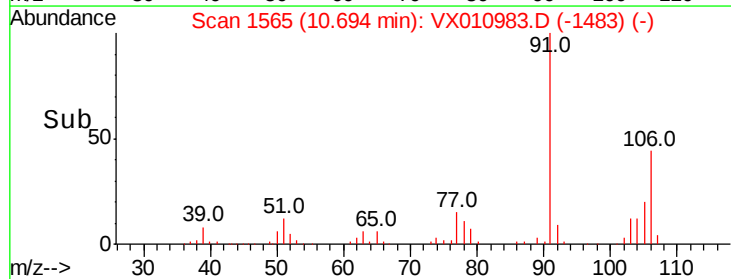
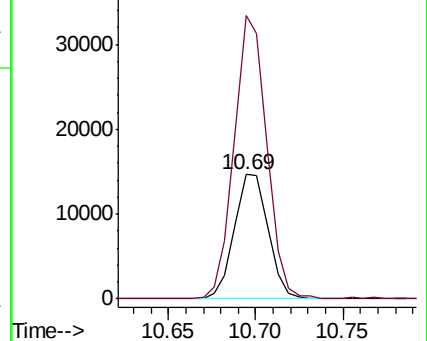
106 100

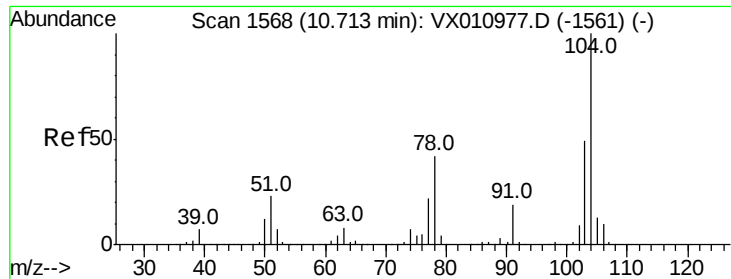
91 216.9 104.0 312.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





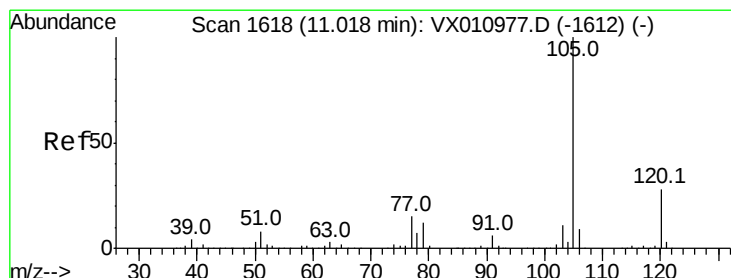
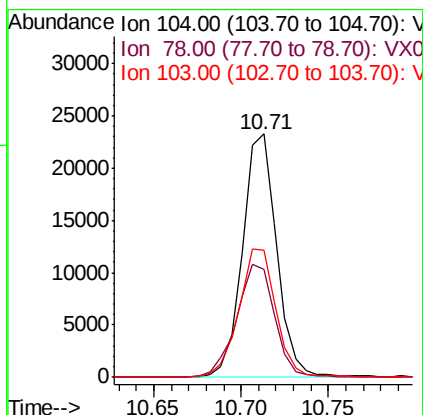
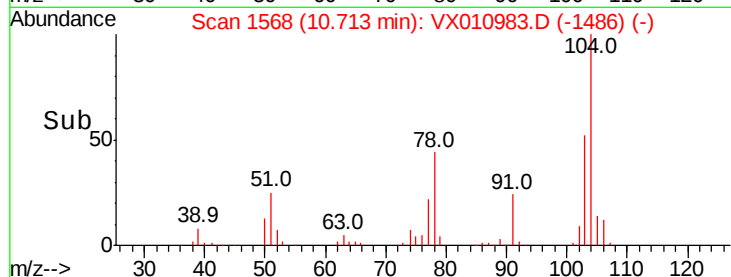
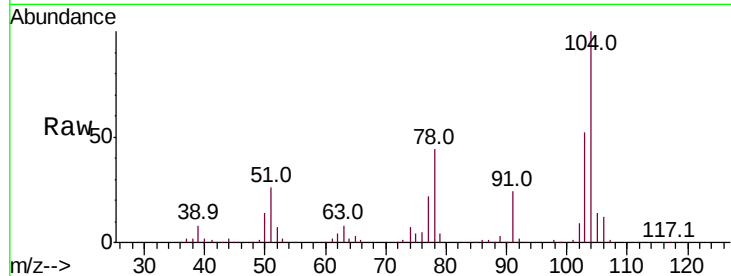
#69  
Stvrene  
Concen: 4.381 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 51.6  | 38.5  | 57.7  |
| 103     | 57.4  | 44.6  | 67.0  |

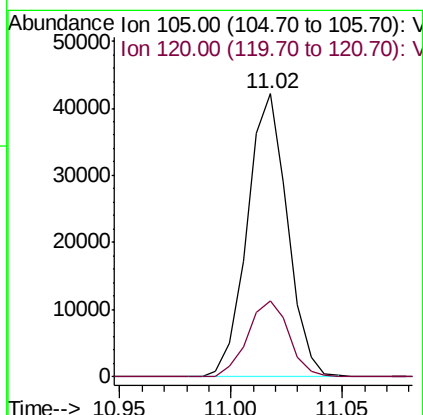
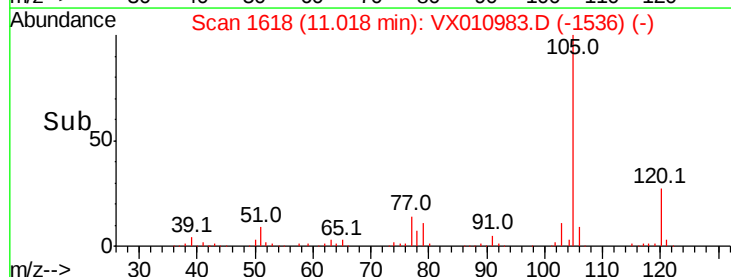
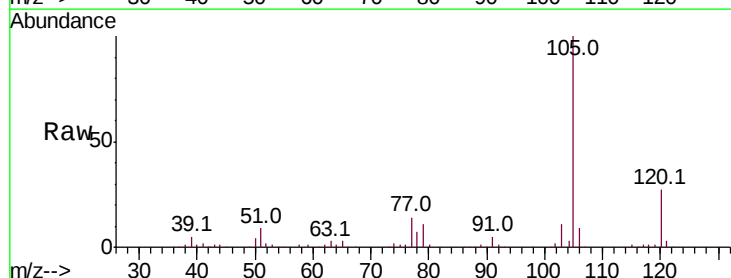
Manual Integrations  
APPROVED

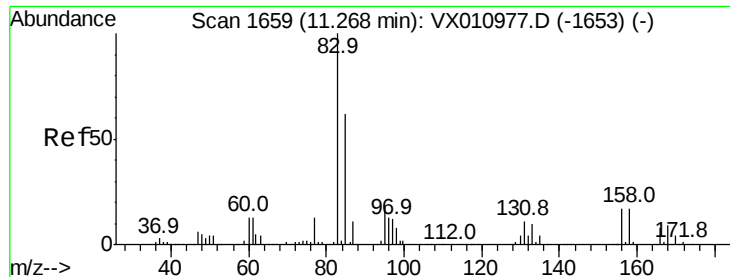
MMDadoda  
7/19/2019 3:12:58 PM



#70  
Isopropylbenzene  
Concen: 4.644 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.5  | 19.4  | 36.0  |





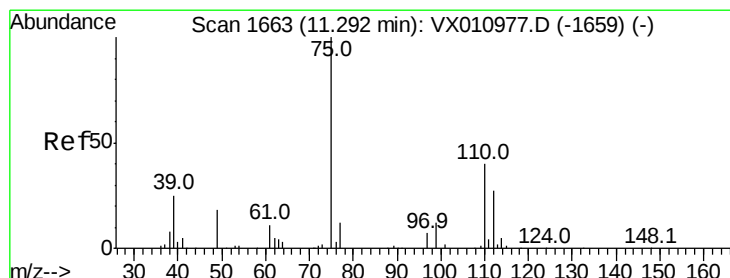
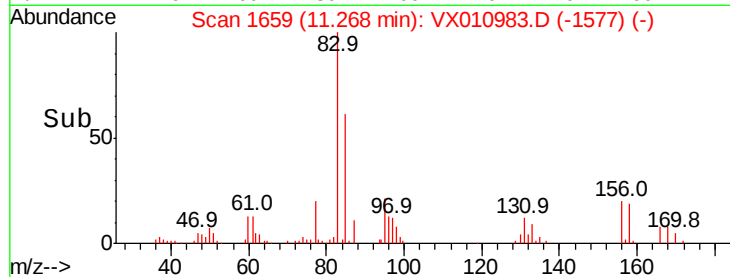
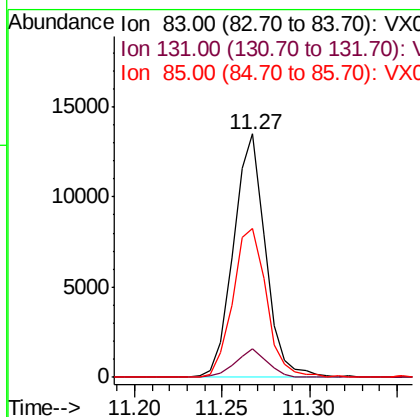
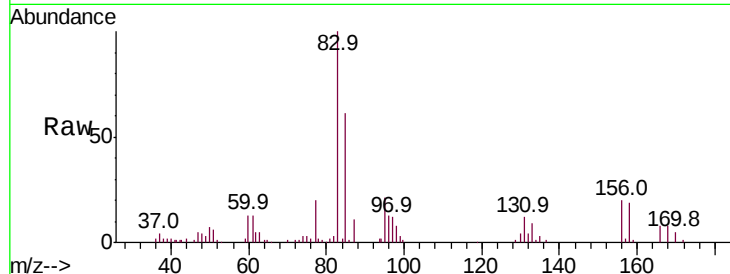
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 4.661 ug/l  
 RT: 11.27 min Scan# 1659  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 131     | 12.0  | 5.5  | 16.4  |       |
| 85      | 64.7  | 32.1 | 96.3  |       |

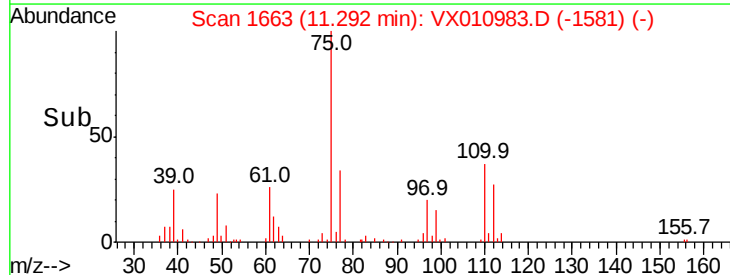
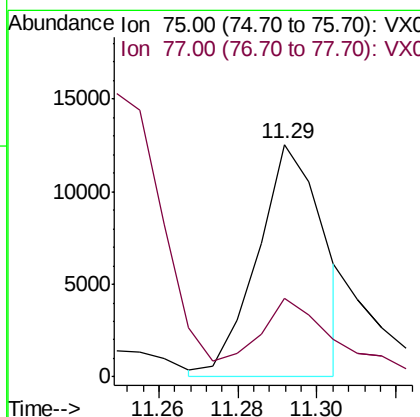
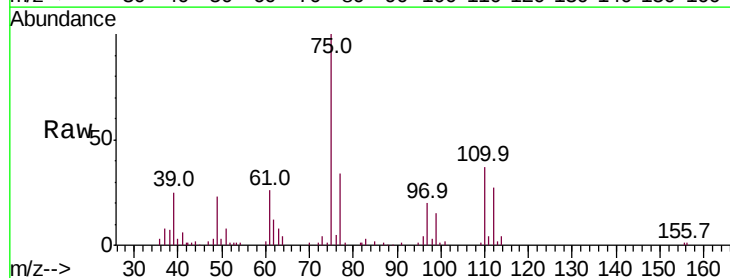
Manual Integrations  
 APPROVED

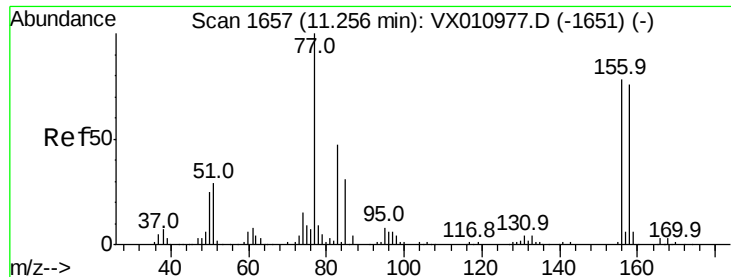
MMDadoda  
 7/19/2019 3:12:58 PM



#72  
 1,2,3-Trichloropropane  
 Concen: 4.773 ug/l m  
 RT: 11.29 min Scan# 1663  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 77      | 41.0  | 0.0  | 84.0  |       |





#73

Bromobenzene

Concen: 4.625 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

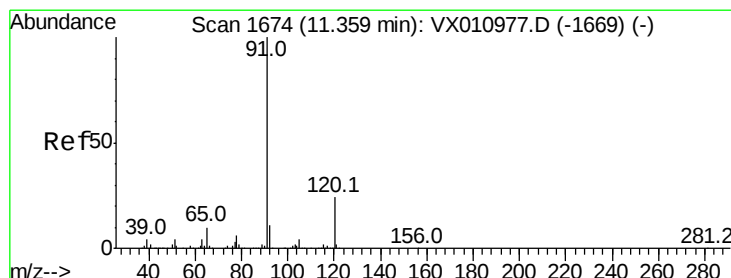
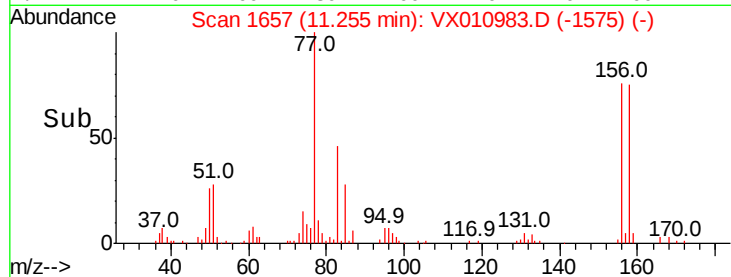
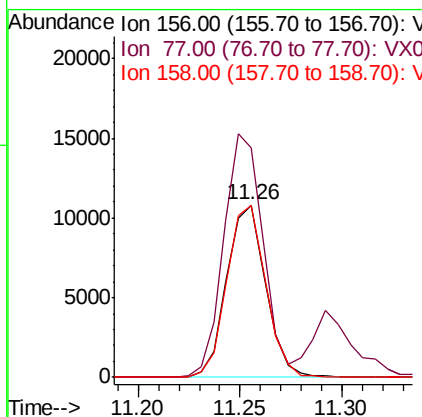
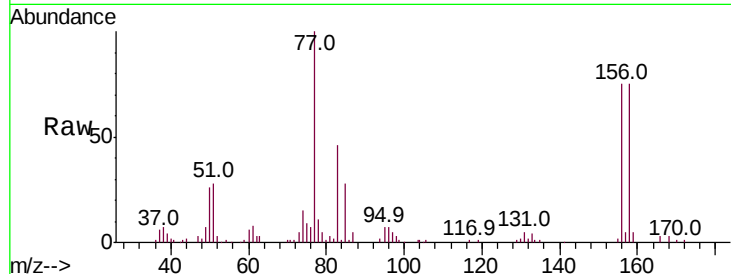
ClientSampleId :

LOQ-WATER-02-QT3-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 14241 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 142.8 | 0.0   | 275.8 |
| 158       | 99.7  | 0.0   | 195.2 |

Manual Integrations  
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#74

n-propylbenzene

Concen: 4.607 ug/l

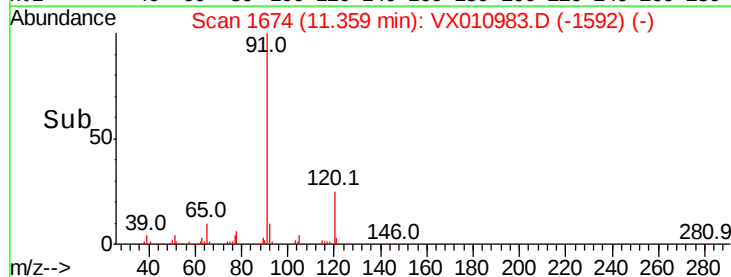
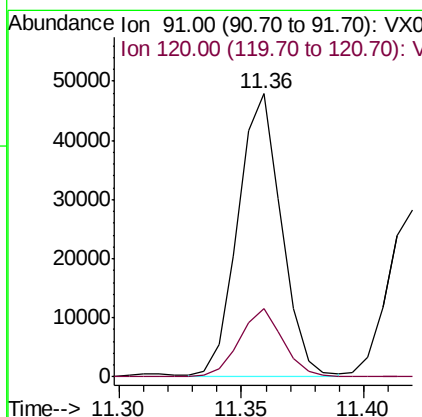
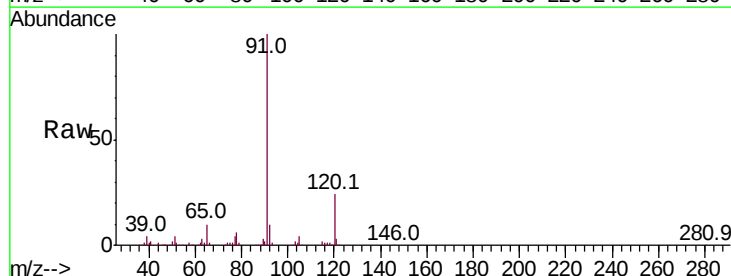
RT: 11.36 min Scan# 1674

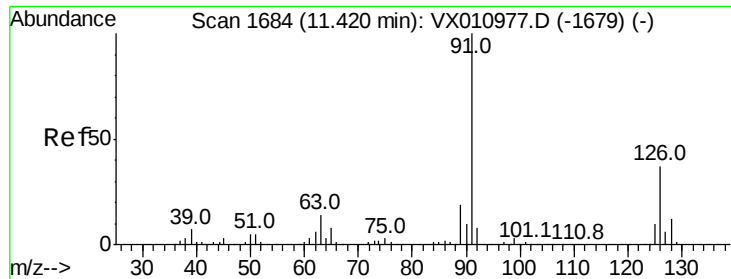
Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 59184 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 120       | 23.9  | 0.0   | 47.6  |





#75

2-Chlorotoluene

Concen: 4.633 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 91 Resp: 35447

Ion Ratio Lower Upper

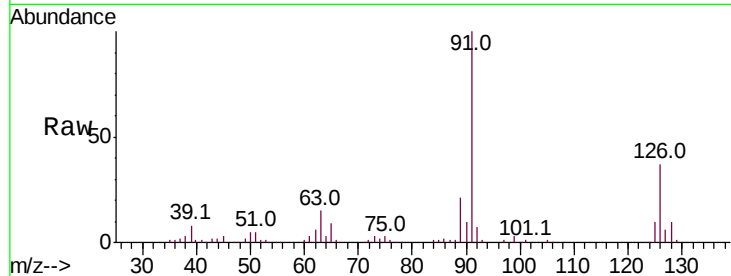
91 100

126 36.2 0.0 72.4

Manual Integrations  
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Abundance Ion 91.00 (90.70 to 91.70): VX010977.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX010977.D (-1679) (-)

50000

40000

30000

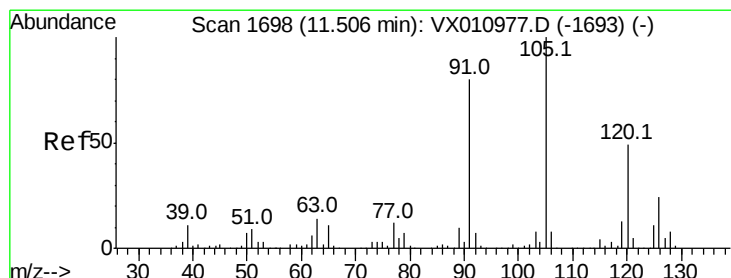
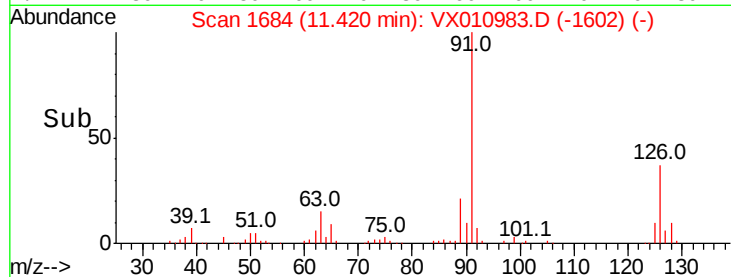
20000

10000

0

11.40 11.42 11.44

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 4.533 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010983.D

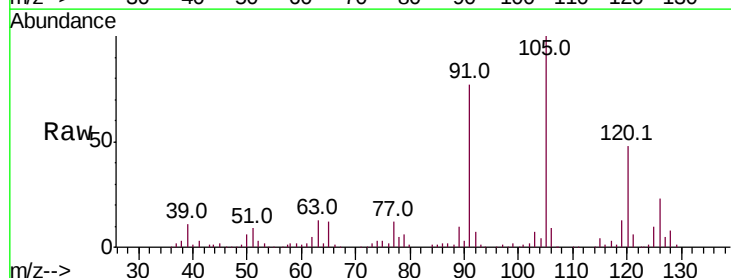
Acq: 19 Jul 2019 01:28

Tgt Ion: 105 Resp: 43789

Ion Ratio Lower Upper

105 100

120 49.5 0.0 96.6



Abundance Ion 105.00 (104.70 to 105.70): VX010977.D (-1693) (-)

Ion 120.00 (119.70 to 120.70): VX010977.D (-1693) (-)

40000

30000

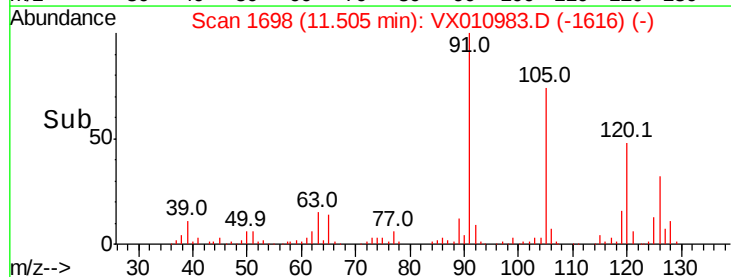
20000

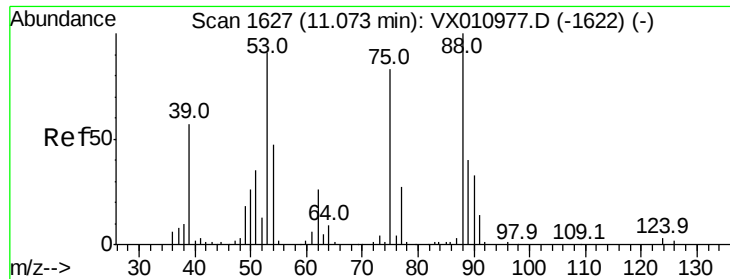
10000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 3.136 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 75 Resp: 3178

Ion Ratio Lower Upper

75 100

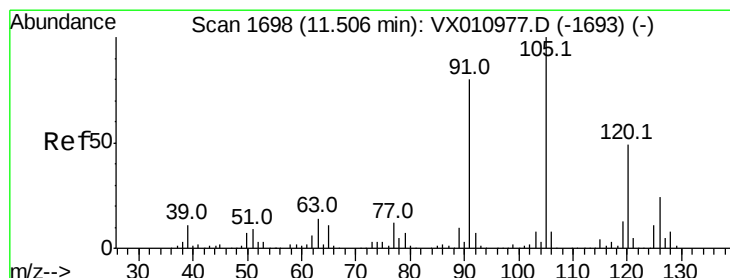
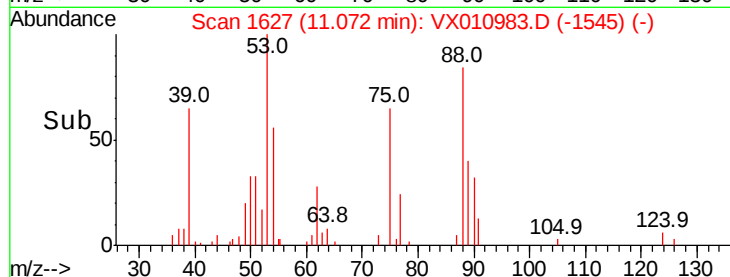
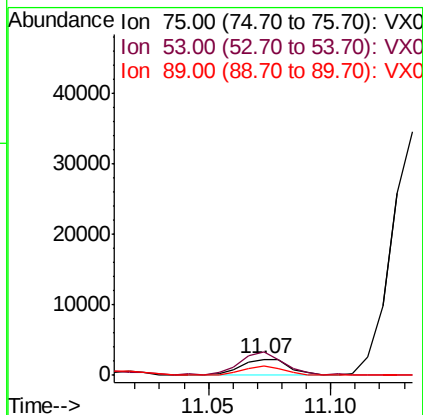
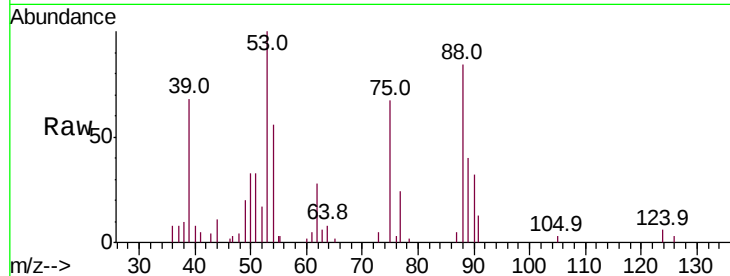
53 146.5 54.8 164.3

89 61.9 24.6 73.6

Manual Integrations  
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#78

4-Chlorotoluene

Concen: 4.542 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX010983.D

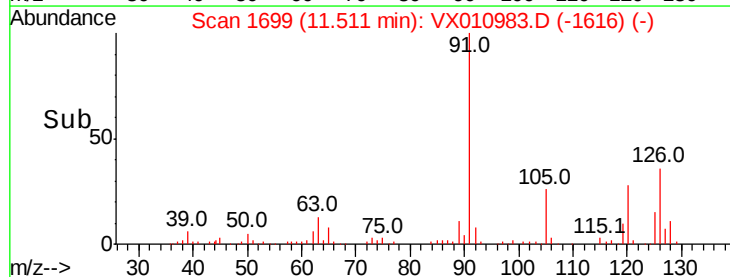
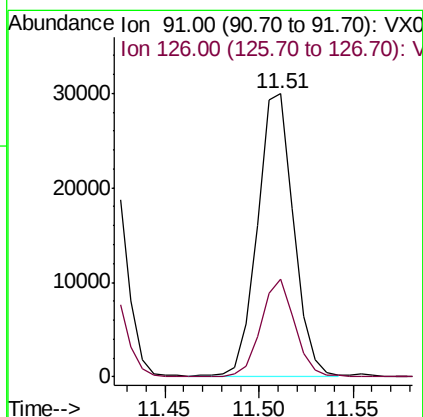
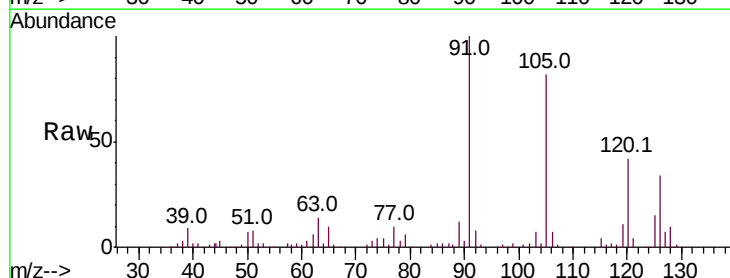
Acq: 19 Jul 2019 01:28

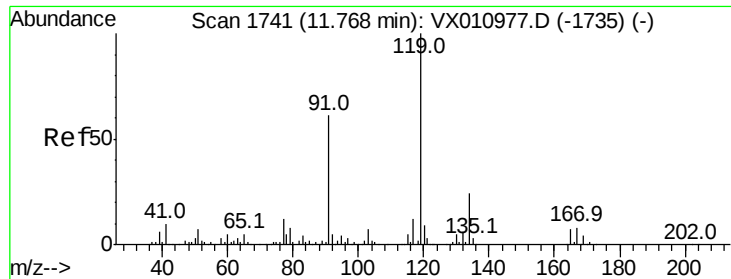
Tgt Ion: 91 Resp: 39904

Ion Ratio Lower Upper

91 100

126 32.3 0.0 63.6





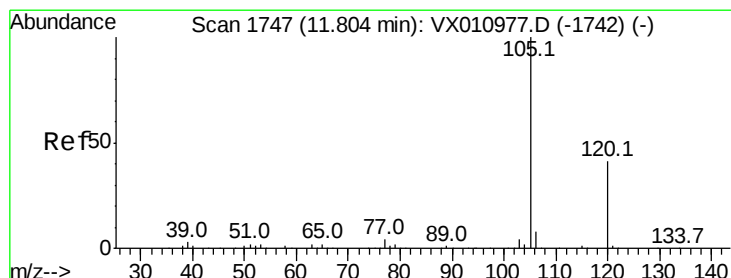
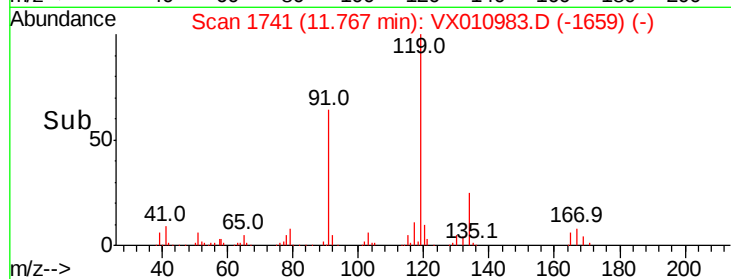
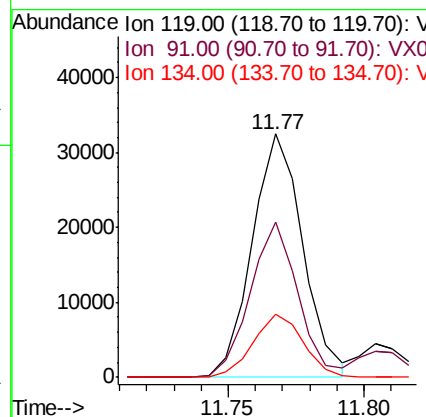
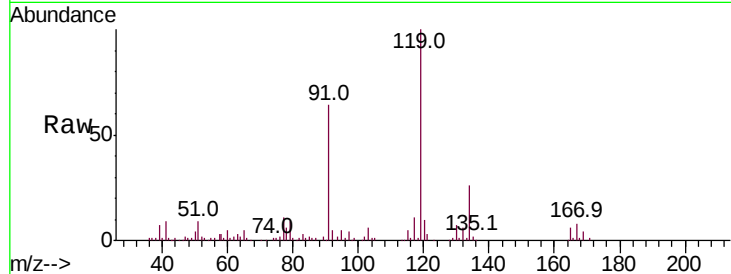
#79  
tert-butylbenzene  
Concen: 4.465 ug/l  
RT: 11.77 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 119     | 100   | 41840 |       |       |
| 91      | 60.4  |       | 0.0   | 118.4 |
| 134     | 25.7  |       | 0.0   | 47.4  |

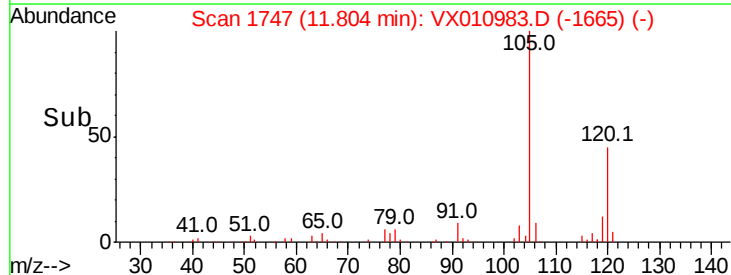
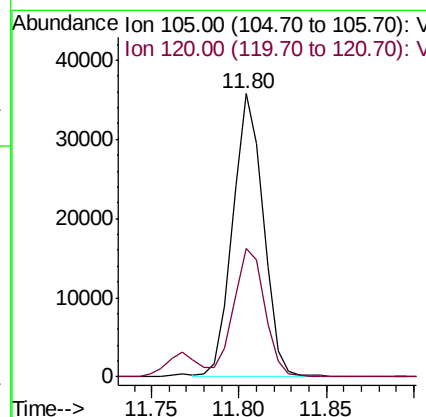
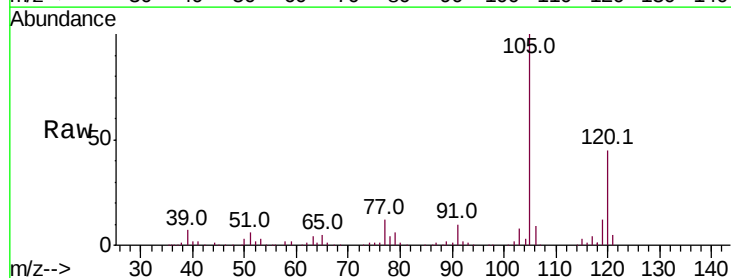
Manual Integrations  
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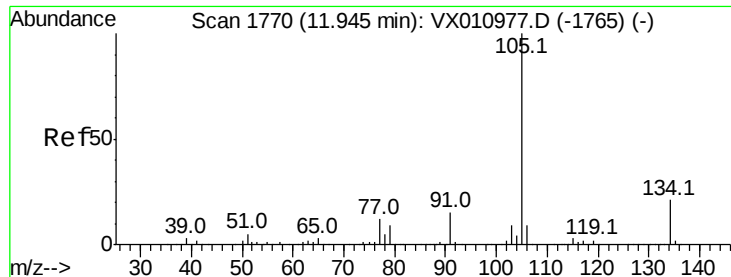
MMDadoda  
7/19/2019 3:12:58 PM



#80  
1,2,4-Trimethylbenzene  
Concen: 4.478 ug/l  
RT: 11.80 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 105     | 100   | 43568 |       |       |
| 120     | 45.6  |       | 0.0   | 91.6  |





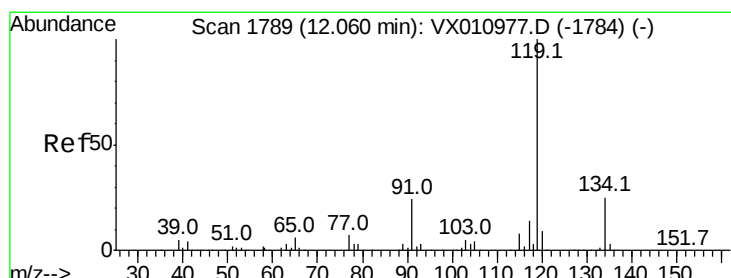
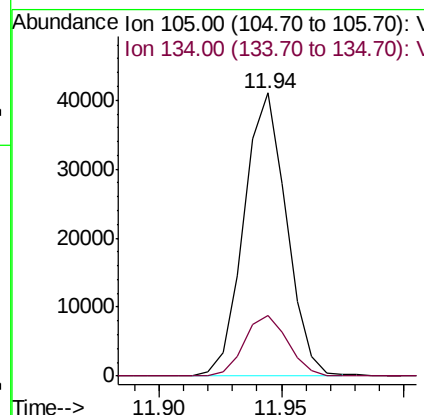
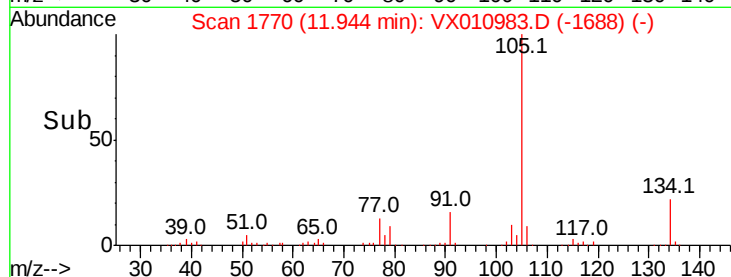
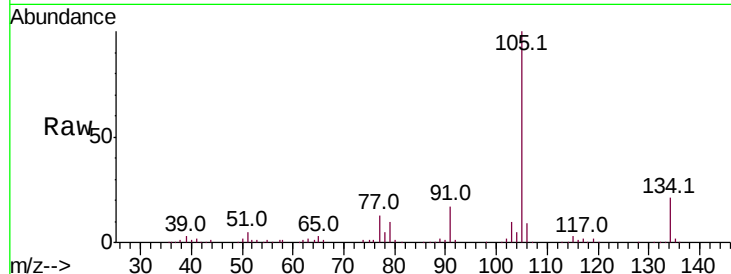
#81  
 sec-Butylbenzene  
 Concen: 4.508 ug/l  
 RT: 11.94 min Scan# 1770  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 22.0  | 0.0   | 41.8  |

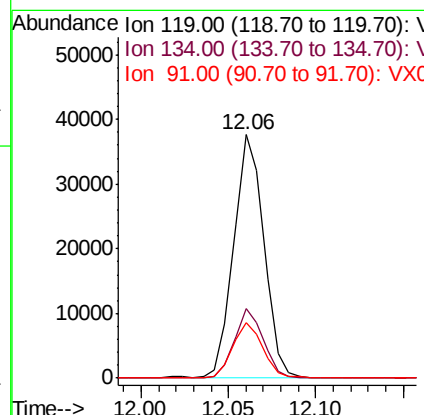
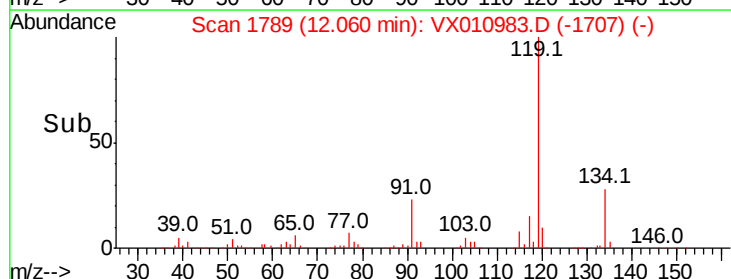
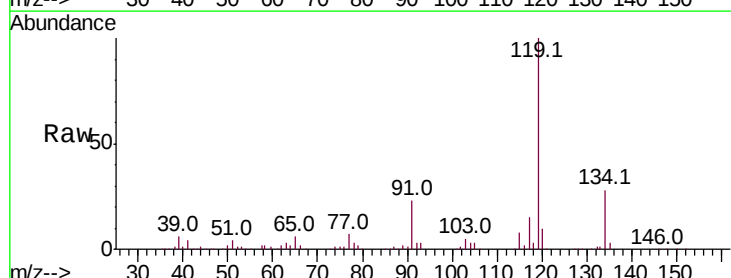
Manual Integrations  
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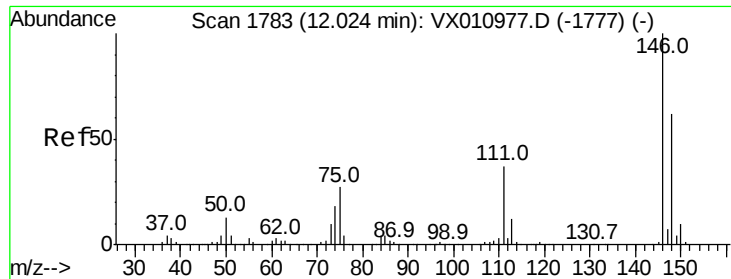
MMDadoda  
 7/19/2019 3:12:58 PM



#82  
 p-Isopropyltoluene  
 Concen: 4.421 ug/l  
 RT: 12.06 min Scan# 1789  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.2  | 0.0   | 52.8  |
| 91      | 23.0  | 0.0   | 47.0  |





#83

1,3-Dichlorobenzene

Concen: 4.699 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

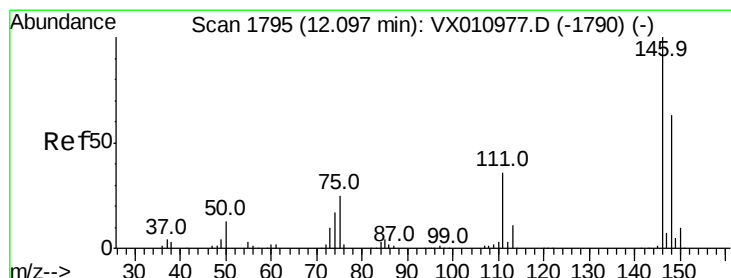
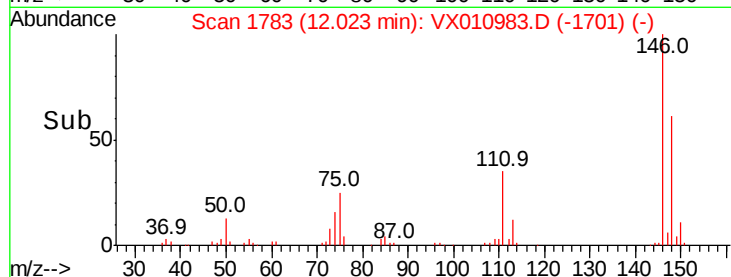
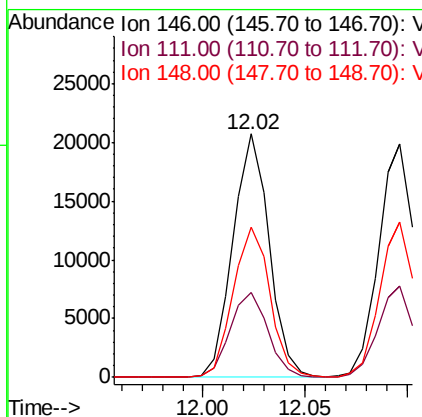
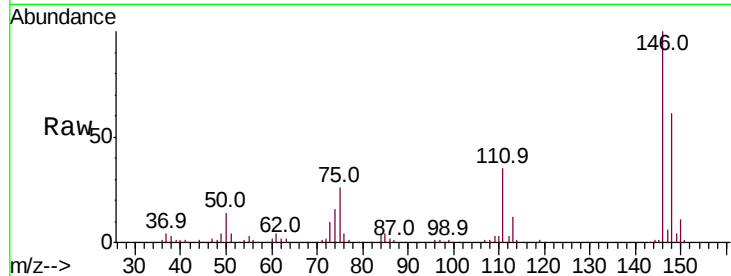
ClientSampleId :

LOQ-WATER-02-QT3-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 146   | Resp: | 25543 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 36.3  | 18.9  | 56.9  |
| 148       | 62.7  | 31.4  | 94.0  |

Manual Integrations  
APPROVED

MMDadoda  
7/19/2019 3:12:58 PM



#84

1,4-Dichlorobenzene

Concen: 4.619 ug/l

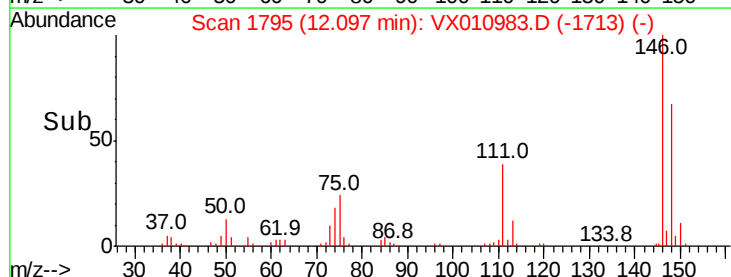
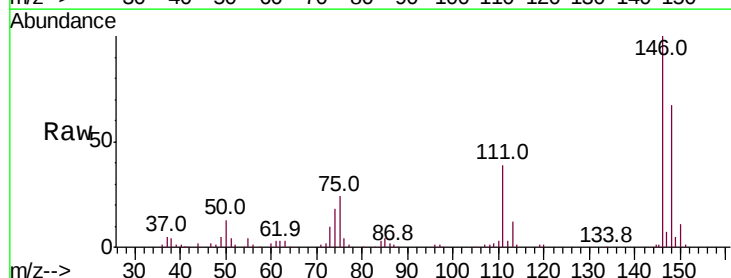
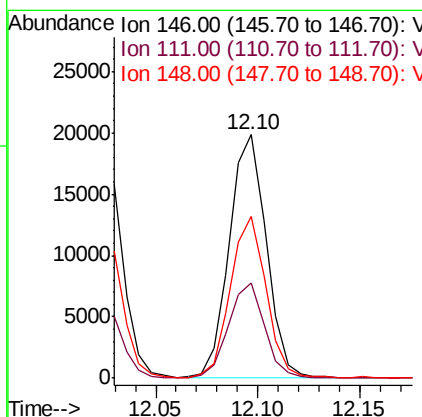
RT: 12.10 min Scan# 1795

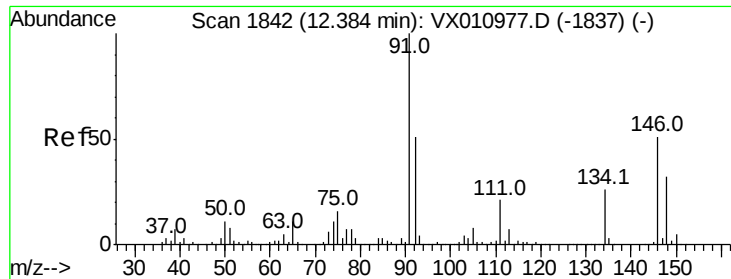
Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 24955 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 37.9  | 18.5  | 55.5  |
| 148       | 64.3  | 32.0  | 96.0  |





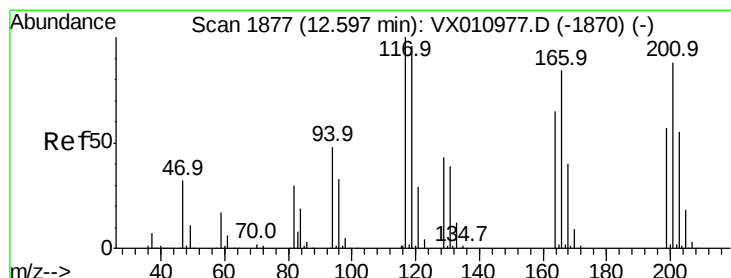
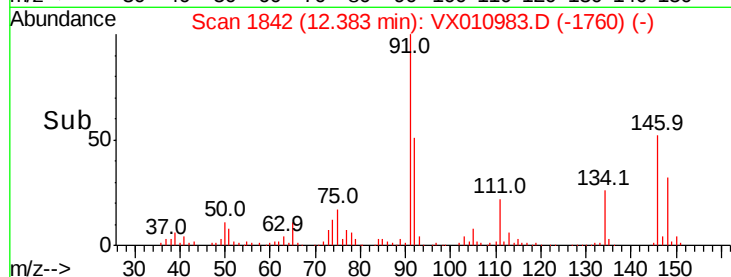
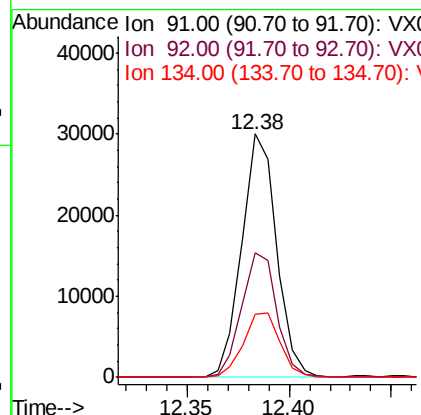
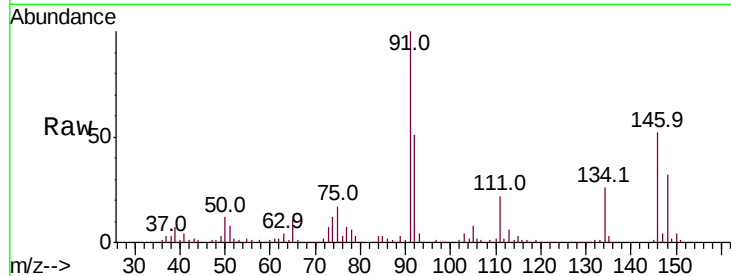
#85  
n-Butylbenzene  
Concen: 4.079 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 91      | 100   | 35598 |       |       |
| 92      | 52.0  |       | 0.0   | 103.6 |
| 134     | 27.8  |       | 0.0   | 54.2  |

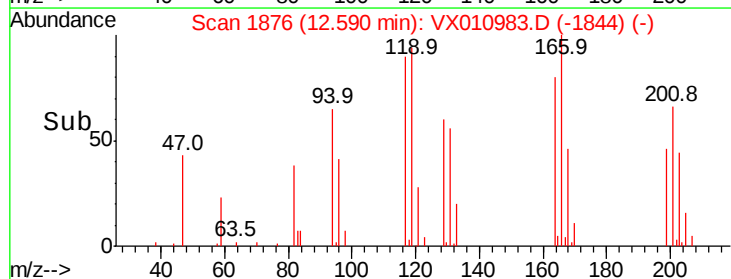
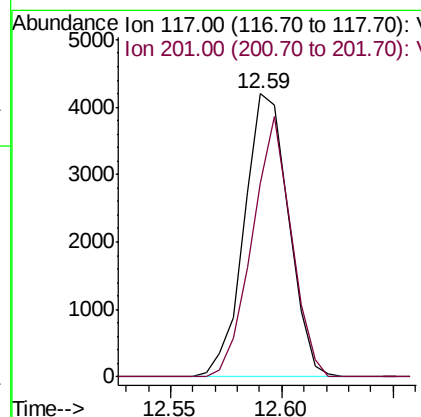
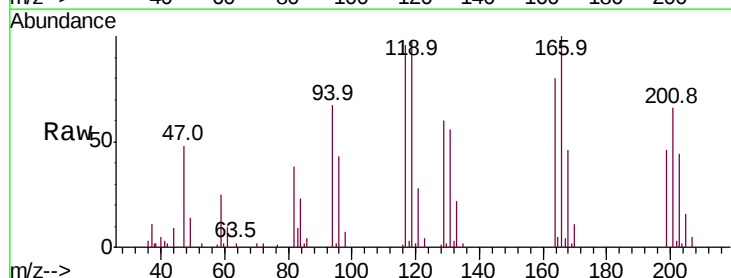
Manual Integrations  
APPROVED

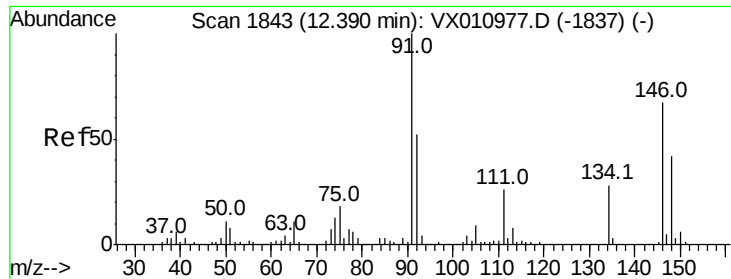
MMDadoda  
7/19/2019 3:12:58 PM



#86  
Hexachloroethane  
Concen: 3.620 ug/l  
RT: 12.59 min Scan# 1876  
Delta R.T. -0.01 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   | 5852 |       |       |
| 201     | 80.6  |      | 42.1  | 126.3 |





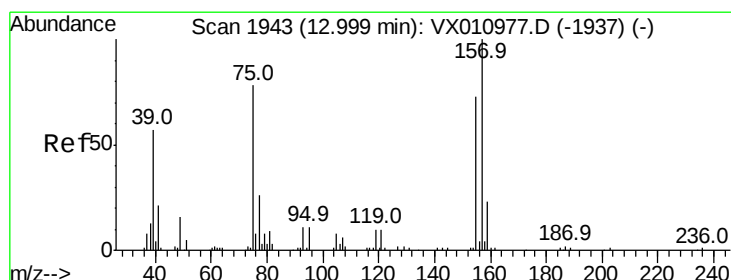
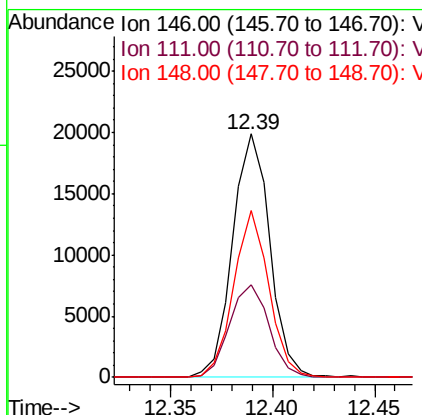
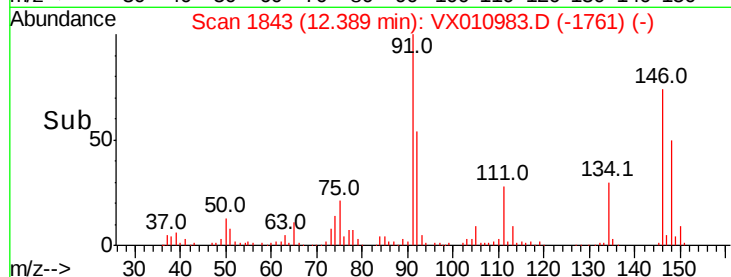
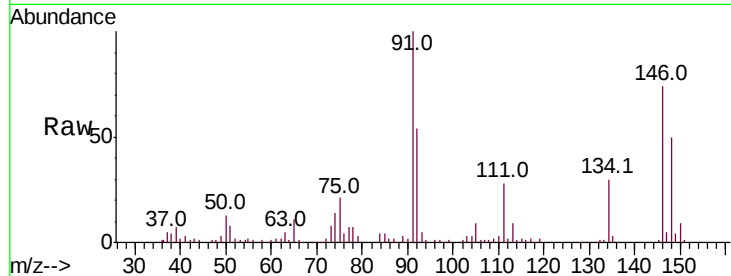
#87  
 1,2-Dichlorobenzene  
 Concen: 4.728 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.2  | 19.5  | 58.5  |
| 148     | 64.6  | 31.5  | 94.5  |

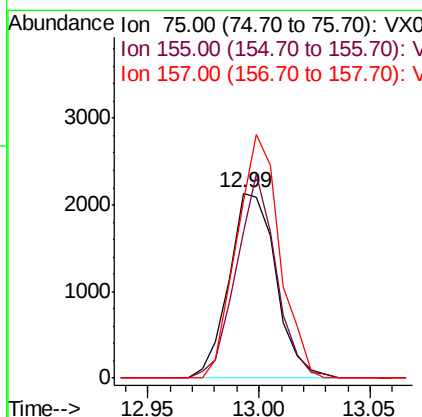
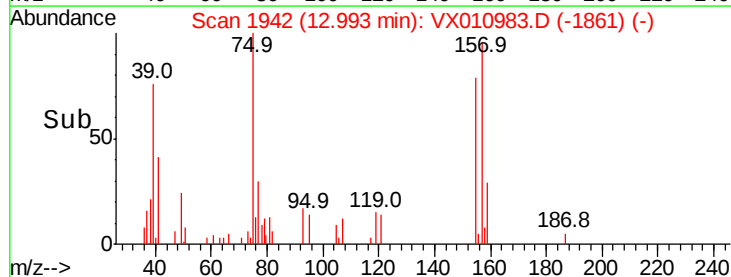
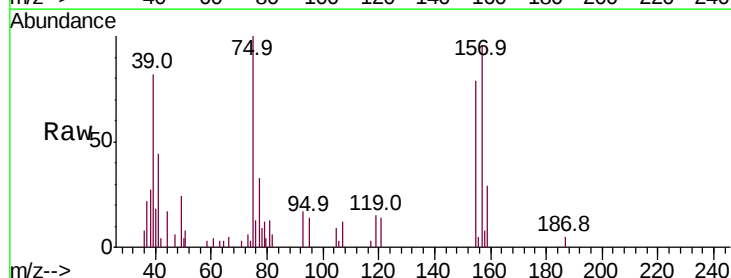
Manual Integrations  
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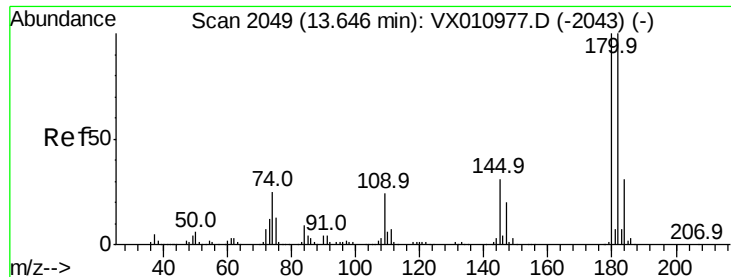
MMDadoda  
 7/19/2019 3:12:58 PM



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 3.884 ug/l  
 RT: 12.99 min Scan# 1942  
 Delta R.T. -0.01 min  
 Lab File: VX010983.D  
 Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 93.3  | 76.6  | 115.0 |
| 157     | 120.4 | 101.0 | 151.4 |





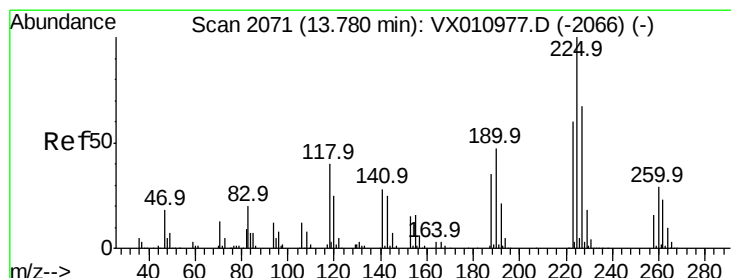
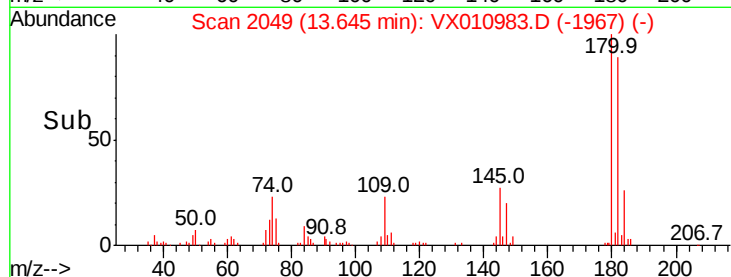
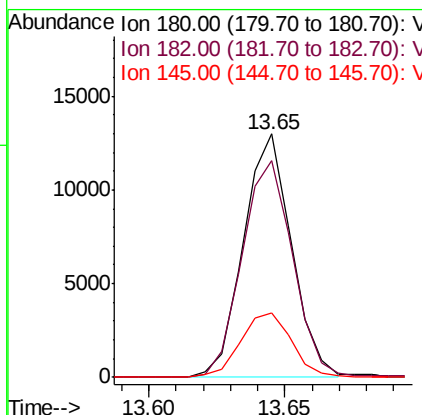
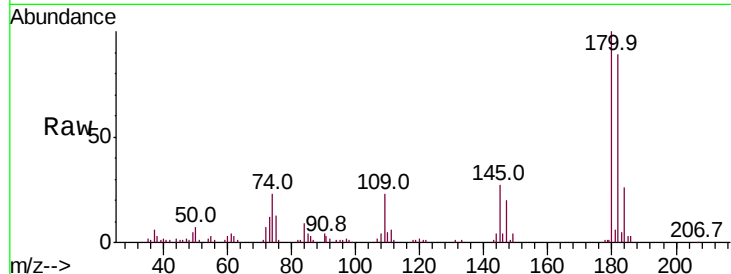
#89  
1,2,4-Trichlorobenzene  
Concen: 4.323 ug/l  
RT: 13.65 min Scan# 2049  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 15871 |       |       |
| 182     | 94.0  |       | 77.6  | 116.4 |
| 145     | 28.0  |       | 23.8  | 35.6  |

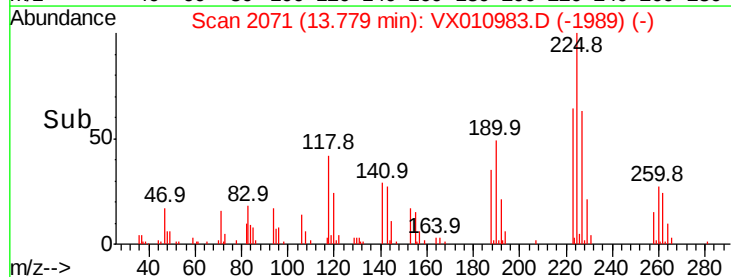
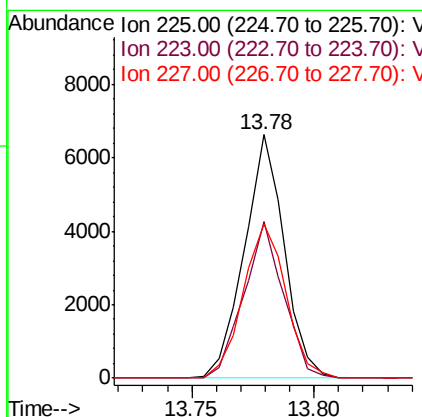
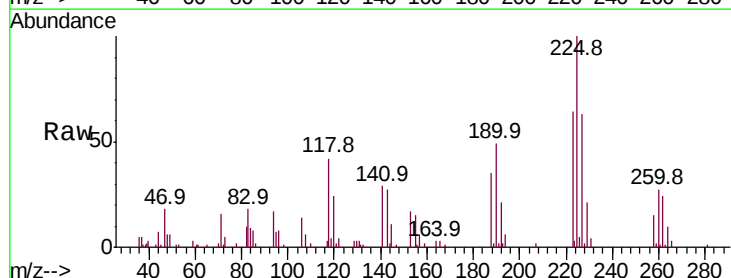
Manual Integrations  
APPROVED

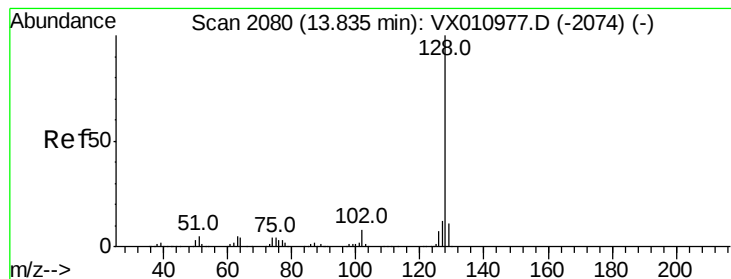
MMDadoda  
7/19/2019 3:12:58 PM



#90  
Hexachlorobutadiene  
Concen: 4.251 ug/l  
RT: 13.78 min Scan# 2071  
Delta R.T. -0.00 min  
Lab File: VX010983.D  
Acq: 19 Jul 2019 01:28

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   | 7546 |       |       |
| 223     | 63.8  |      | 0.0   | 121.4 |
| 227     | 67.8  |      | 0.0   | 126.6 |





#91

Naphthalene

Concen: 4.103 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA\_X

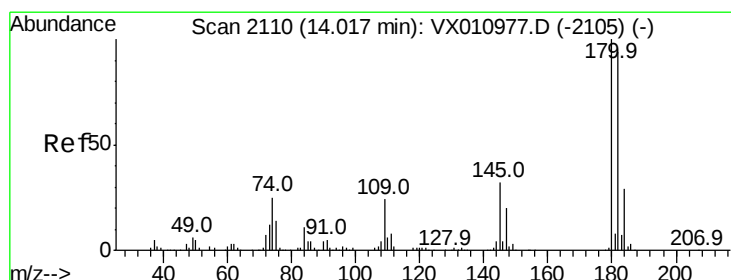
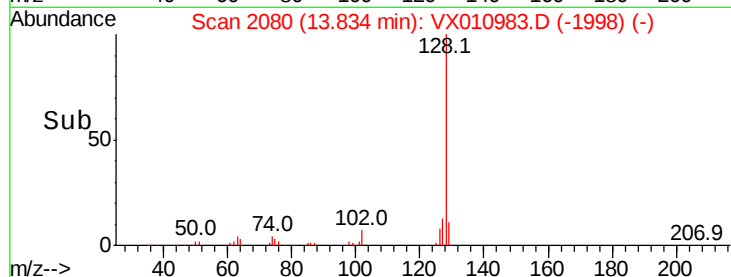
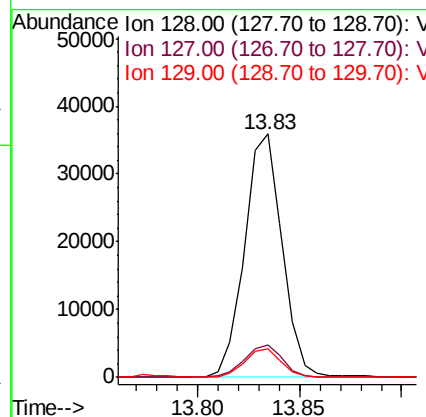
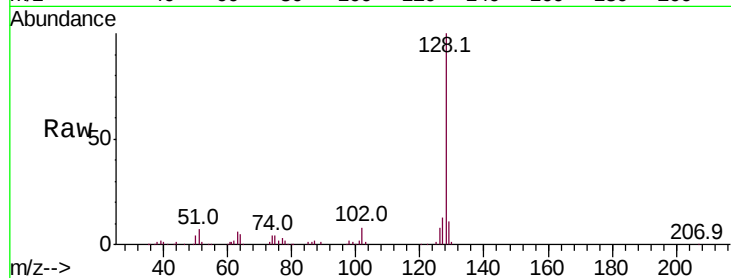
ClientSampleId :

LOQ-WATER-02-QT3-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 128   | Resp: | 45956 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.4  | 10.2  | 15.2  |
| 129      | 11.5  | 8.5   | 12.7  |

Manual Integrations  
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#92

1,2,3-Trichlorobenzene

Concen: 4.261 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 15678 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 98.3  | 0.0   | 190.2 |
| 145      | 32.3  | 0.0   | 63.8  |

