

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022218\  
 Data File : VX000133.D  
 Acq On : 22 Feb 2018 17:43  
 Operator : JC/MD  
 Sample : VX0222WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ClientSampleId :  
 VX0222WBSD01

Manual Integrations  
 APPROVED

apatel  
 2/23/2018 3:52:21 PM

Quant Time: Feb 23 15:14:06 2018  
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Feb 21 06:17:26 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.03  | 128  | 21078    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.87  | 114  | 125655   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.12 | 117  | 123324   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.08   | 65    | 49618    | 30.42    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 101.40% |
| 60) 4-Bromofluorobenzene  | 11.15  | 95    | 59146    | 29.32    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 97.73%  |
| 63) Toluene-d8            | 8.73   | 98    | 156559   | 29.64    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 98.80%  |

## Target Compounds

|                               |      |     |        |        |        | Ovalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 28050  | 21.44  | ug/l   | 99     |
| 3) Chloromethane              | 1.32 | 50  | 30393  | 23.18  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 33842  | 21.69  | ug/l   | 100    |
| 5) Bromomethane               | 1.65 | 94  | 26548  | 18.47  | ug/l   | 97     |
| 6) Chloroethane               | 1.73 | 64  | 20699  | 20.73  | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 55854  | 20.67  | ug/l   | 100    |
| 8) Diethyl Ether              | 2.19 | 74  | 19037  | 20.17  | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 30178  | 20.47  | ug/l   | 96     |
| 10) 1,1-Dichloroethene        | 2.38 | 96  | 28715  | 20.39  | ug/l   | 90     |
| 11) Methyl Iodide             | 2.51 | 142 | 31710  | 23.16  | ug/l   | 99     |
| 12) Methyl Acetate            | 2.78 | 43  | 58246  | 23.14  | ug/l   | 98     |
| 13) Acrolein                  | 2.29 | 56  | 20546  | 67.84  | ug/l   | 96     |
| 14) Acrylonitrile             | 3.15 | 53  | 116581 | 106.90 | ug/l   | 100    |
| 15) Acetone                   | 2.45 | 58  | 37472  | 105.39 | ug/l   | 98     |
| 16) Carbon Disulfide          | 2.57 | 76  | 76380  | 18.96  | ug/l   | 100    |
| 17) Allyl chloride            | 2.73 | 41  | 49989  | 20.82  | ug/l   | 96     |
| 18) Methylene Chloride        | 2.86 | 84  | 30421  | 19.82  | ug/l   | 98     |
| 19) trans-1,2-Dichloroethene  | 3.17 | 96  | 30591  | 19.96  | ug/l   | 92     |
| 20) Diisopropyl ether         | 3.88 | 45  | 94134  | 24.83  | ug/l   | 98     |
| 21) 1,1-Dichloroethane        | 3.70 | 63  | 55334  | 22.14  | ug/l   | 99     |
| 22) cis-1,2-Dichloroethene    | 4.60 | 96  | 29032  | 20.39  | ug/l   | 98     |
| 23) tert-Butyl Alcohol        | 3.06 | 59  | 65017  | 104.30 | ug/l # | 100    |
| 24) Methyl tert-Butyl Ether   | 3.21 | 73  | 100598 | 20.73  | ug/l   | 99     |
| 25) Chloroform                | 5.23 | 83  | 52458  | 21.17  | ug/l   | 99     |
| 26) Cyclohexane               | 5.58 | 56  | 41345  | 21.10  | ug/l # | 99     |
| 29) 1,1-Dichloropropene       | 5.81 | 75  | 39645  | 21.66  | ug/l   | 87     |
| 30) 2-Butanone                | 4.71 | 43  | 159143 | 112.98 | ug/l   | 99     |
| 31) 2,2-Dichloropropane       | 4.60 | 77  | 39833  | 20.24  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 5.51 | 97  | 45717  | 20.65  | ug/l   | 97     |
| 33) Carbon Tetrachloride      | 5.79 | 117 | 40158  | 20.42  | ug/l   | 97     |
| 34) Benzene                   | 6.15 | 78  | 114154 | 21.68  | ug/l # | 92     |
| 35) Methacrylonitrile         | 5.07 | 41  | 27983  | 21.58  | ug/l   | 87     |
| 36) 1,2-Dichloroethane        | 6.21 | 62  | 45544  | 22.81  | ug/l   | 99     |
| 37) Trichloroethene           | 7.22 | 130 | 32984  | 21.19  | ug/l   | 94     |
| 38) Methylcyclohexane         | 7.47 | 83  | 47733  | 21.76  | ug/l   | 98     |
| 39) 1,2-Dichloropropane       | 7.53 | 63  | 31793  | 24.19  | ug/l   | 96     |
| 40) Dibromomethane            | 7.67 | 93  | 22596  | 22.31  | ug/l   | 96     |

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022218\  
 Data File : VX000133.D  
 Acq On : 22 Feb 2018 17:43  
 Operator : JC/MD  
 Sample : VX0222WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ClientSampleId :  
 VX0222WBSD01

Manual Integrations  
 APPROVED

apatel  
 2/23/2018 3:52:21 PM

Quant Time: Feb 23 15:14:06 2018  
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Feb 21 06:17:26 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Bromodichloromethane       | 7.91  | 83   | 41797    | 21.71  | ug/l  | 99       |
| 42) Vinyl Acetate              | 3.83  | 43   | 451991   | 125.90 | ug/l  | 99       |
| 43) Ethyl Acetate              | 4.87  | 43   | 54108    | 21.87  | ug/l  | 97       |
| 44) Isopropyl Acetate          | 6.48  | 43   | 80789    | 22.26  | ug/l  | 98       |
| 45) 1,4-Dioxane                | 7.77  | 88   | 19317    | 423.11 | ug/l  | 98       |
| 46) Methyl methacrylate        | 7.79  | 41   | 41565    | 23.54  | ug/l  | 93       |
| 47) n-amyl Acetate             | 10.91 | 43   | 72092    | 22.75  | ug/l  | 97       |
| 48) t-1,3-Dichloropropene      | 8.45  | 75   | 48404    | 21.60  | ug/l  | 99       |
| 49) cis-1,3-Dichloropropene    | 9.05  | 75   | 49025    | 22.48  | ug/l  | 95       |
| 50) 1,1,2-Trichloroethane      | 9.23  | 97   | 32648    | 21.95  | ug/l  | 97       |
| 51) Ethyl methacrylate         | 9.19  | 69   | 48422    | 21.25  | ug/l  | 94       |
| 52) 1,3-Dichloropropane        | 9.38  | 76   | 53899    | 22.60  | ug/l  | 99       |
| 53) Dibromochloromethane       | 9.59  | 129  | 35329    | 21.35  | ug/l  | 98       |
| 54) 1,2-Dibromoethane          | 9.68  | 107  | 37054    | 22.35  | ug/l  | 99       |
| 55) 2-Chloroethyl vinyl ether  | 8.32  | 63   | 110820   | 111.39 | ug/l  | 96       |
| 56) Bromoform                  | 10.87 | 173  | 27009    | 20.16  | ug/l  | 96       |
| 58) 4-Methyl-2-Pentanone       | 8.66  | 43   | 311811   | 115.43 | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.51  | 43   | 264270   | 115.54 | ug/l  | 98       |
| 61) Tetrachloroethene          | 9.34  | 164  | 31155    | 20.81  | ug/l  | 95       |
| 62) Toluene                    | 8.79  | 91   | 138635   | 21.61  | ug/l  | 99       |
| 64) Chlorobenzene              | 10.15 | 112  | 93428    | 21.55  | ug/l  | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 31275    | 20.36  | ug/l  | 98       |
| 66) Ethyl Benzene              | 10.26 | 91   | 157729   | 21.54  | ug/l  | 99       |
| 67) m/p-Xylenes                | 10.37 | 106  | 122628   | 42.71  | ug/l  | 99       |
| 68) o-Xylene                   | 10.71 | 106  | 59413    | 21.30  | ug/l  | 96       |
| 69) Styrene                    | 10.72 | 104  | 98437    | 21.31  | ug/l  | 98       |
| 70) Isopropylbenzene           | 11.02 | 105  | 160992   | 21.36  | ug/l  | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 57299    | 22.09  | ug/l  | 99       |
| 72) 1,2,3-Trichloropropane     | 11.30 | 75   | 53238m   | 22.88  | ug/l  |          |
| 73) Bromobenzene               | 11.26 | 156  | 41111    | 20.80  | ug/l  | 94       |
| 74) n-propylbenzene            | 11.37 | 91   | 192334   | 21.77  | ug/l  | 99       |
| 75) 2-Chlorotoluene            | 11.43 | 91   | 112450   | 22.13  | ug/l  | 96       |
| 76) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 136317   | 21.34  | ug/l  | 69       |
| 77) t-1,4-Dichloro-2-butene    | 11.08 | 75   | 16496    | 20.05  | ug/l  | 93       |
| 78) 4-Chlorotoluene            | 11.52 | 91   | 133988   | 22.01  | ug/l  | 100      |
| 79) tert-butylbenzene          | 11.78 | 119  | 134275m  | 21.12  | ug/l  |          |
| 80) 1,2,4-Trimethylbenzene     | 11.82 | 105  | 143817   | 22.07  | ug/l  | 98       |
| 81) sec-Butylbenzene           | 11.96 | 105  | 170878   | 21.74  | ug/l  | 99       |
| 82) p-Isopropyltoluene         | 12.07 | 119  | 148875   | 21.23  | ug/l  | 98       |
| 83) 1,3-Dichlorobenzene        | 12.04 | 146  | 78395    | 20.83  | ug/l  | 97       |
| 84) 1,4-Dichlorobenzene        | 12.10 | 146  | 81853    | 20.87  | ug/l  | 99       |
| 85) n-Butylbenzene             | 12.40 | 91   | 142610   | 21.68  | ug/l  | 99       |
| 86) Hexachloroethane           | 12.60 | 117  | 23163    | 19.77  | ug/l  | 96       |
| 87) 1,2-Dichlorobenzene        | 12.40 | 146  | 77886    | 20.89  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 16152    | 22.27  | ug/l  | 91       |
| 89) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 88852    | 32.44  | ug/l  | 99       |
| 90) Hexachlorobutadiene        | 13.79 | 225  | 24096    | 20.42  | ug/l  | 99       |
| 91) Naphthalene                | 13.84 | 128  | 204478   | 21.37  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene     | 14.03 | 180  | 55408    | 20.12  | ug/l  | 97       |

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022218\  
Data File : VX000133.D  
Acq On : 22 Feb 2018 17:43  
Operator : JC/MD  
Sample : VX0222WBSD01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ClientSampleId :  
VX0222WBSD01

Manual Integrations  
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2/23/2018 3:52:21 PM

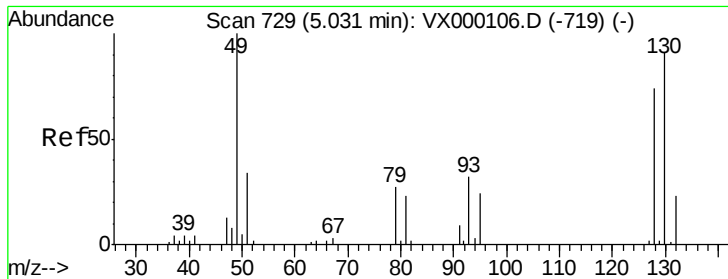
Quant Time: Feb 23 15:14:06 2018  
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Feb 21 06:17:26 2018  
Response via : Initial Calibration

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

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





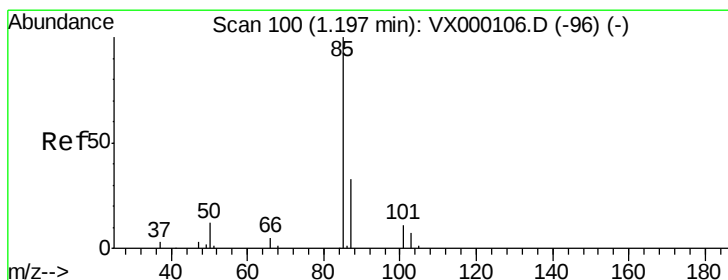
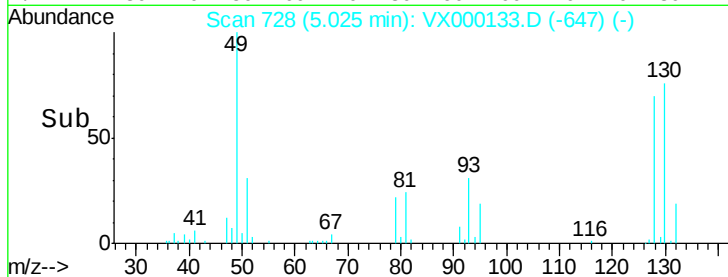
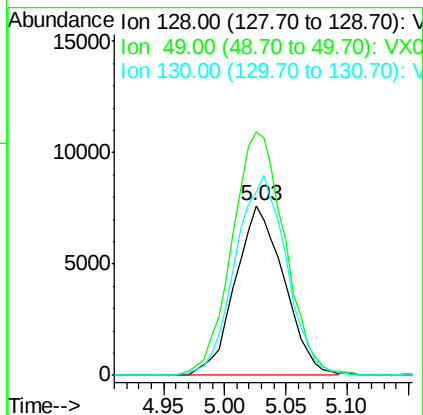
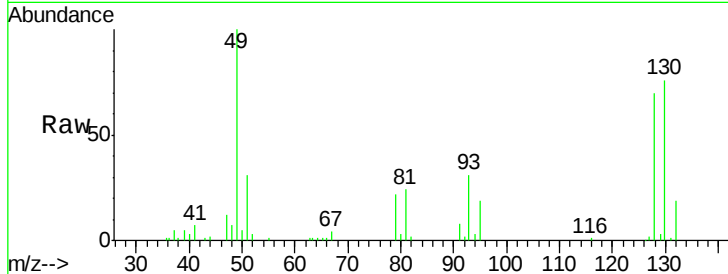
#1  
Bromochloromethane  
Concen: 30.00 ug/l  
RT: 5.03 min Scan# 728  
Delta R.T. -0.01 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampled :  
VX0222WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 155.1 | 0.0   | 378.3 |
| 130     | 124.8 | 0.0   | 324.3 |

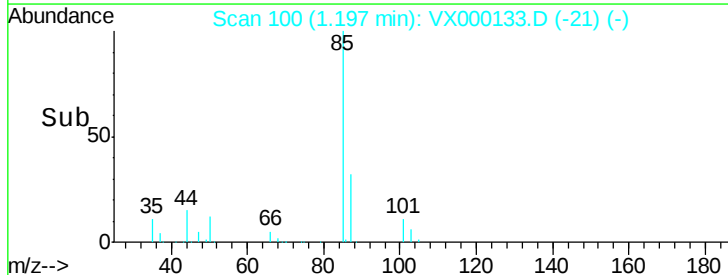
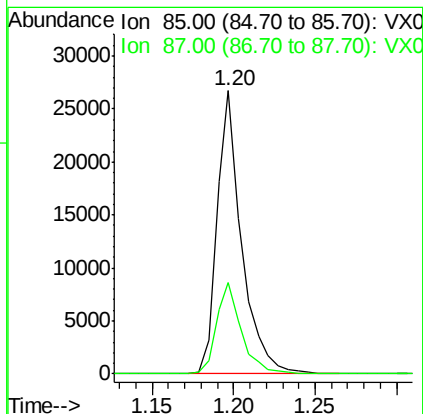
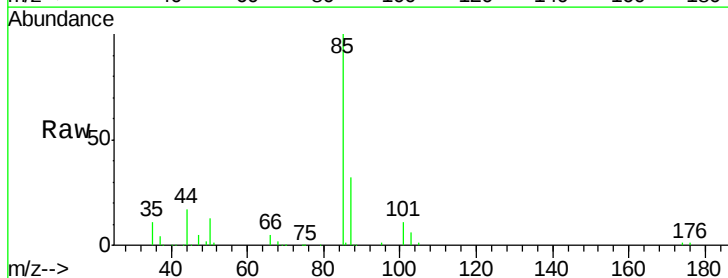
Manual Integrations  
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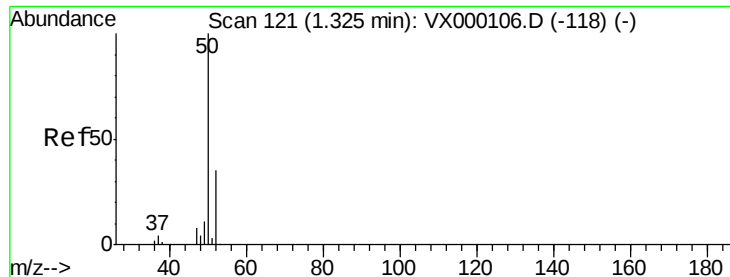
apatel  
2/23/2018 3:52:21 PM



#2  
Dichlorodifluoromethane  
Concen: 21.44 ug/l  
RT: 1.20 min Scan# 100  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 32.5  | 16.6  | 49.7  |





#3

Chloromethane

Concen: 23.18 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

ClientSampled :

VX0222WBSD01

Tot Ion: 50 Resp: 30393

Ion Ratio Lower Upper

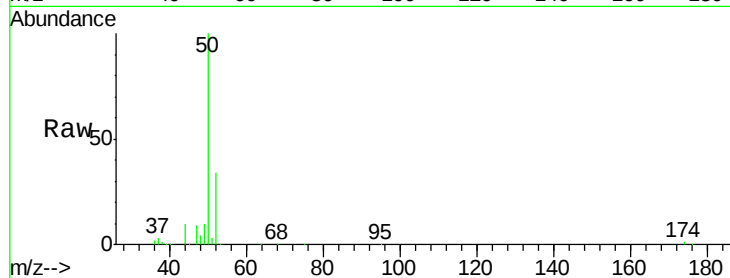
50 100

52 33.8 27.8 41.6

Manual Integrations  
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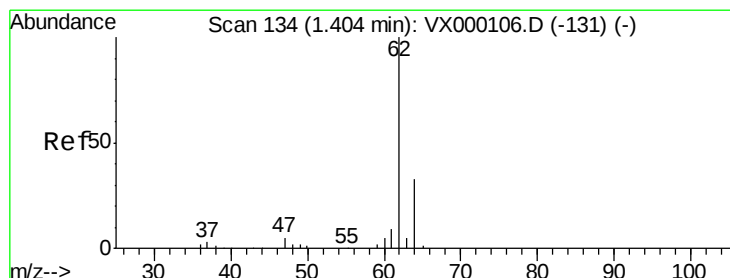
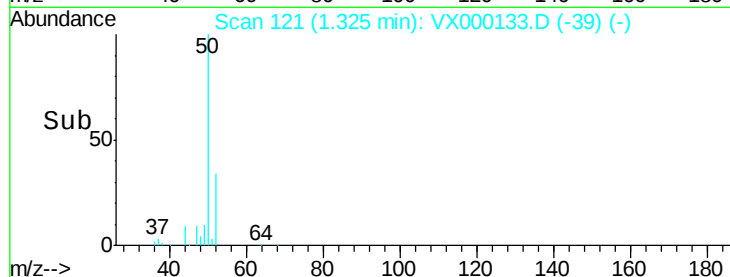
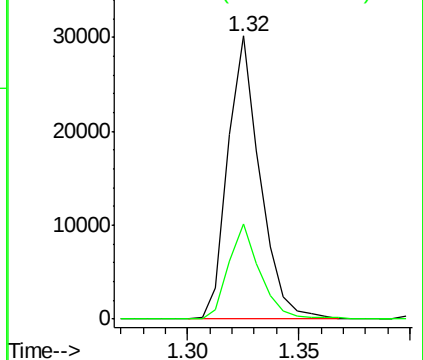
apatel

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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 21.69 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX000133.D

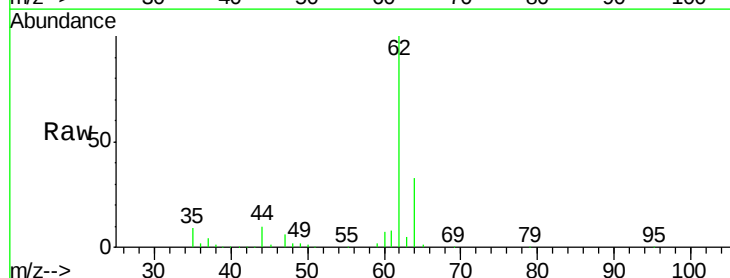
Acq: 22 Feb 2018 17:43

Tgt Ion: 62 Resp: 33842

Ion Ratio Lower Upper

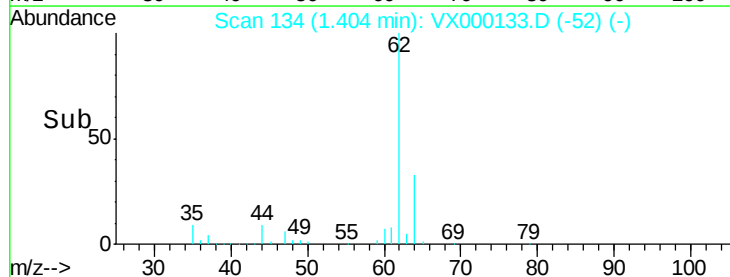
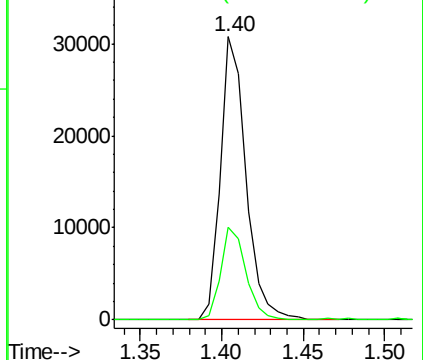
62 100

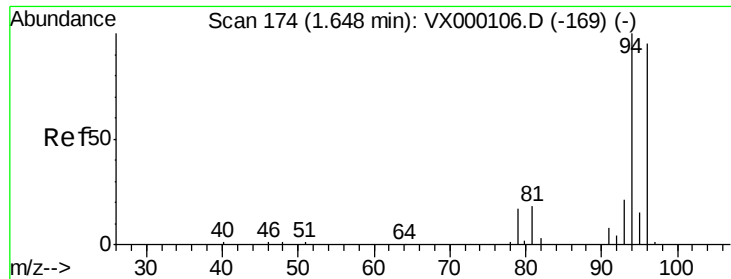
64 32.7 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 18.47 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

ClientSampled :

VX0222WBSD01

Tot Ion: 94 Resp: 26548

Ion Ratio Lower Upper

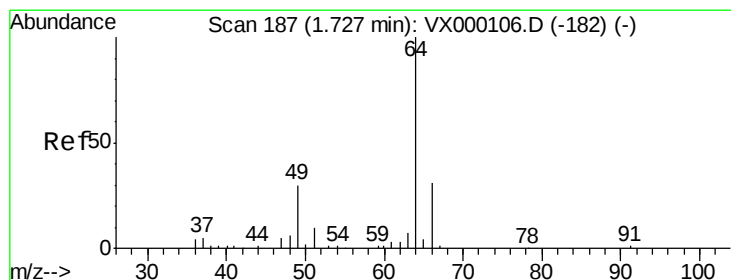
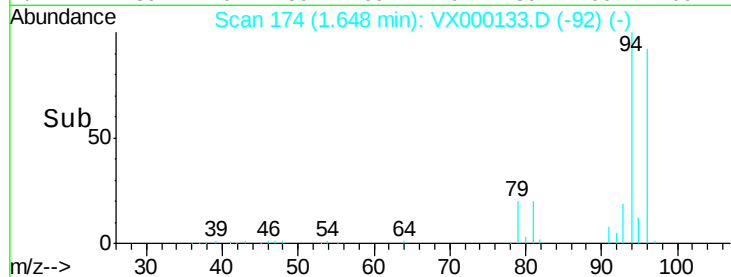
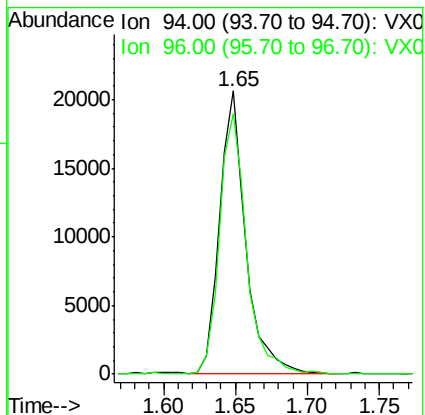
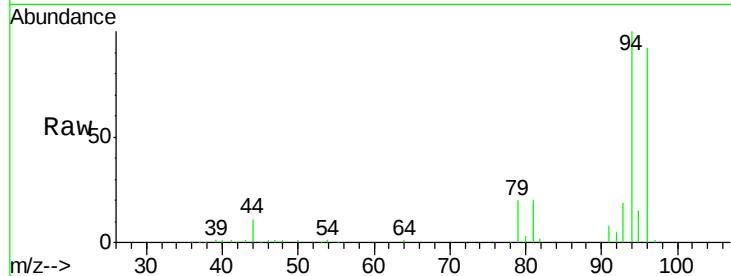
94 100

96 91.8 76.2 114.2

Manual Integrations  
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#6

Chloroethane

Concen: 20.73 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000133.D

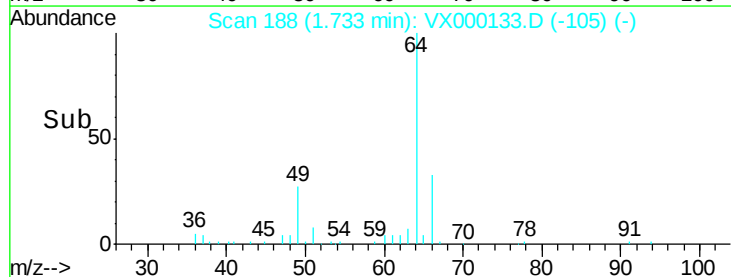
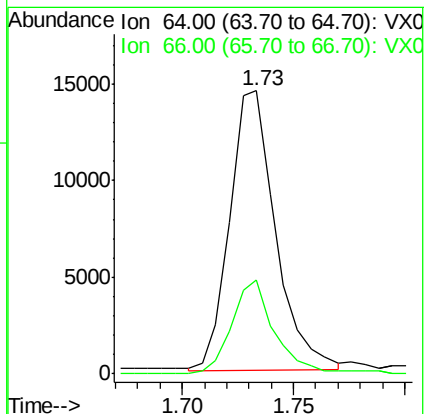
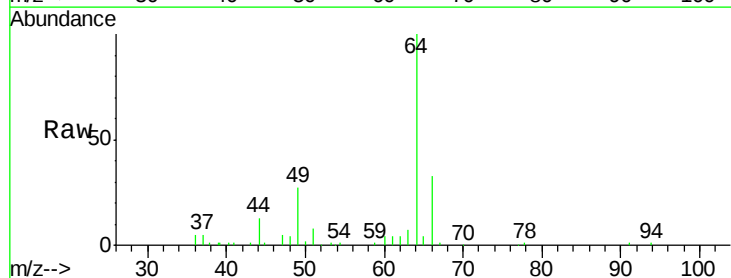
Acq: 22 Feb 2018 17:43

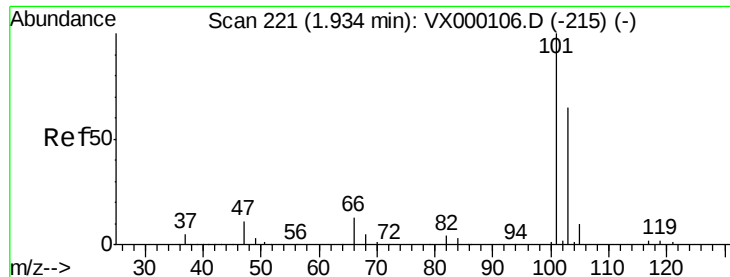
Tgt Ion: 64 Resp: 20699

Ion Ratio Lower Upper

64 100

66 34.1 25.2 37.8





#7

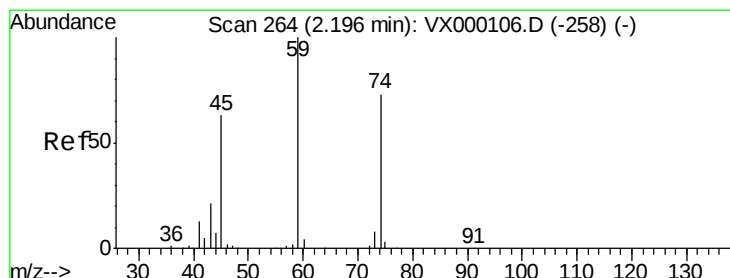
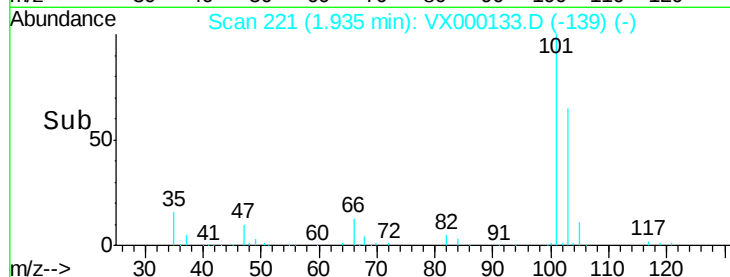
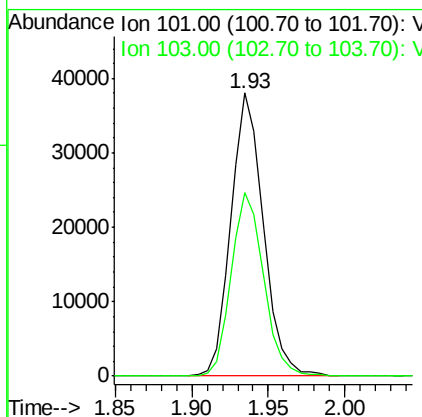
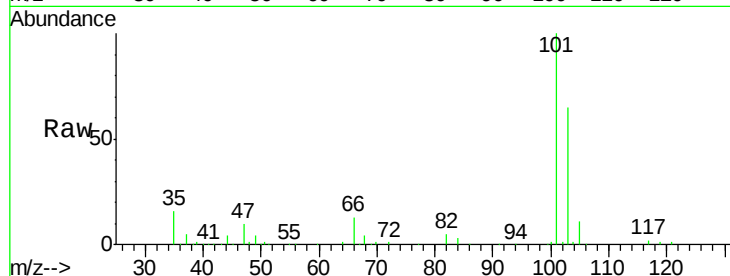
Trichlorofluoromethane  
Concen: 20.67 ug/l  
RT: 1.93 min Scan# 221  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampled :  
VX0222WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.1  | 52.2  | 78.4  |

Manual Integrations  
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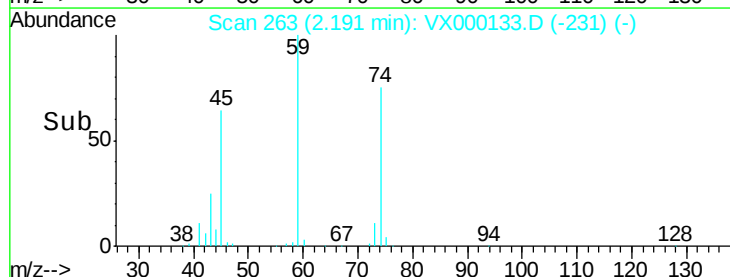
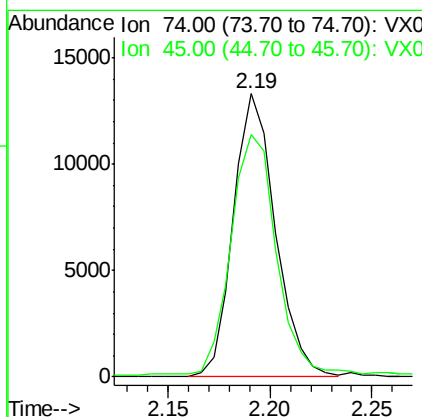
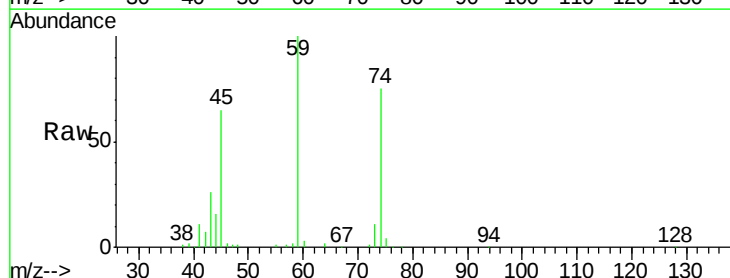
apatel  
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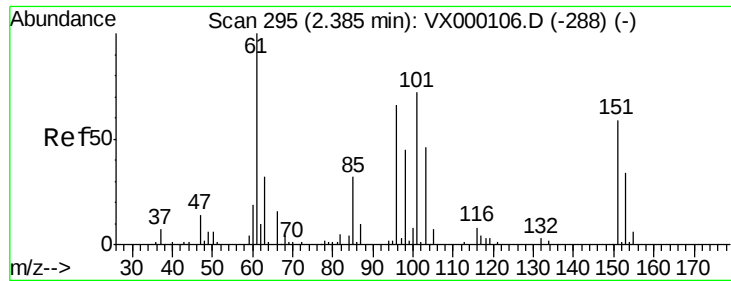


#8

Diethyl Ether  
Concen: 20.17 ug/l  
RT: 2.19 min Scan# 263  
Delta R.T. -0.01 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 92.5  | 17.8  | 159.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.47 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

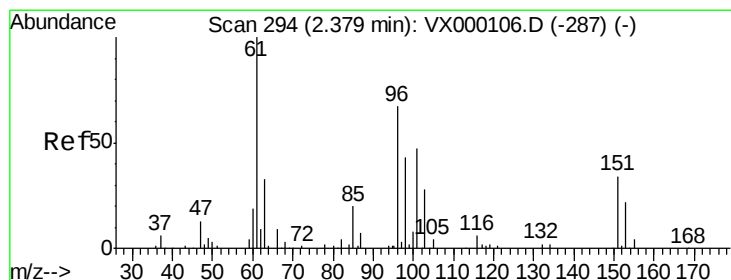
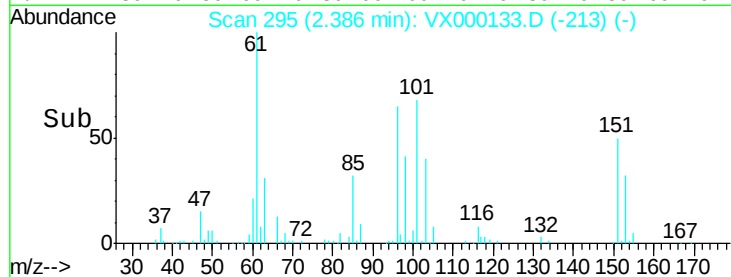
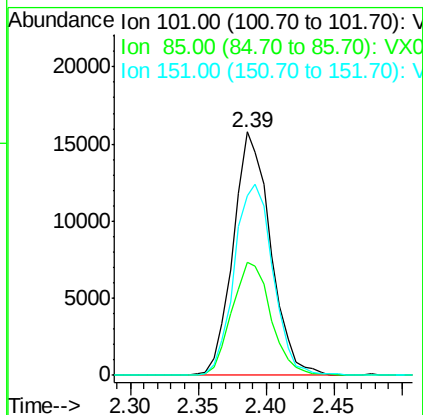
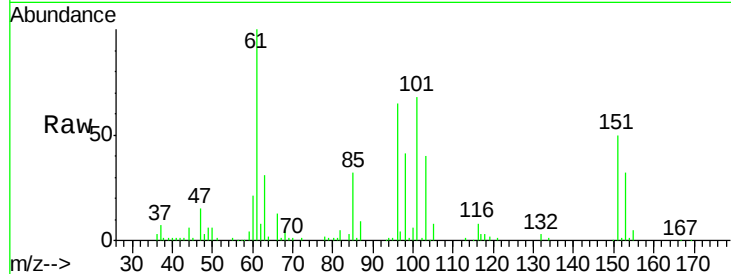
ClientSampled :

VX0222WBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 30178 |       |       |
| 85      | 48.7  | 0.0   | 90.4  |       |
| 151     | 81.4  | 0.0   | 167.6 |       |

Manual Integrations  
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2/23/2018 3:52:21 PM



#10

1,1-Dichloroethene

Concen: 20.39 ug/l

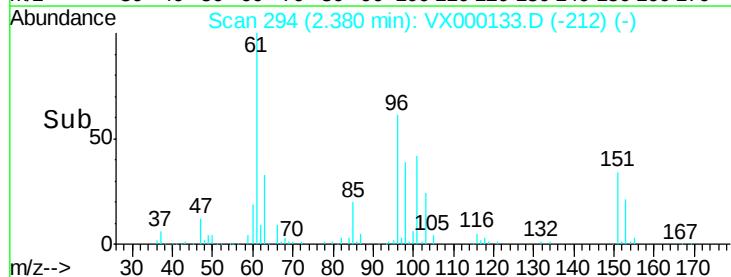
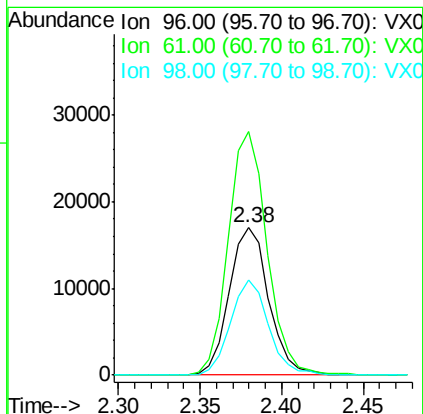
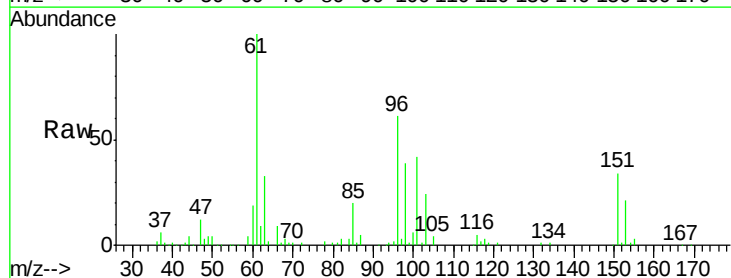
RT: 2.38 min Scan# 294

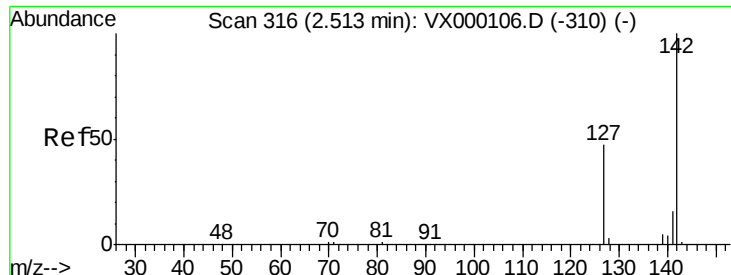
Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 28715 |       |       |
| 61      | 165.1 | 118.6 | 178.0 |       |
| 98      | 64.3  | 51.0  | 76.6  |       |





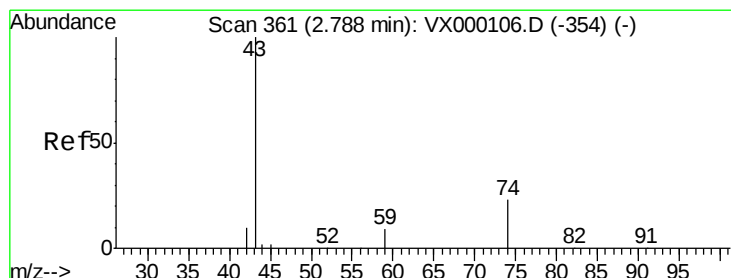
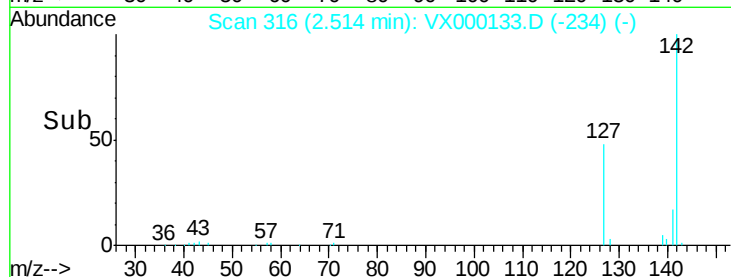
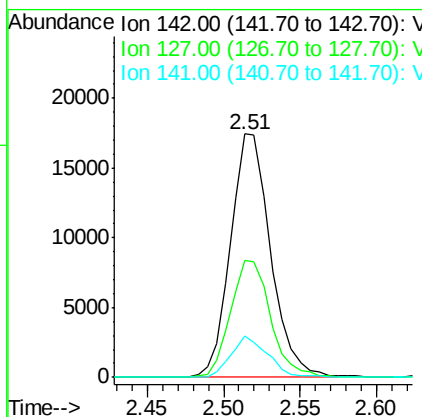
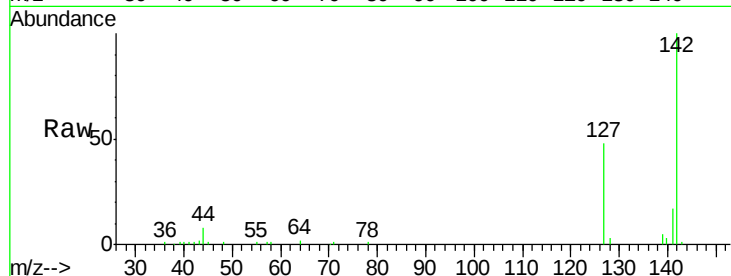
#11  
Methvl Iodide  
Concen: 23.16 ug/l  
RT: 2.51 min Scan# 316  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampleId :  
VX0222WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 48.2  | 23.8  | 71.5  |
| 141     | 17.0  | 8.2   | 24.4  |

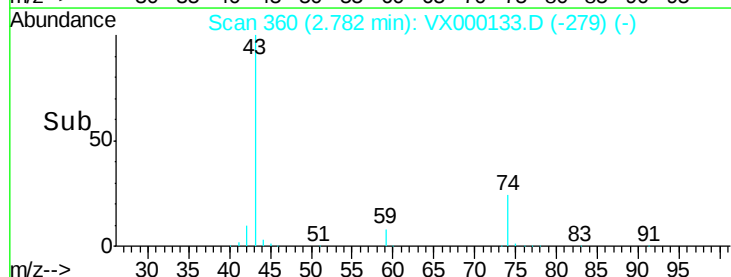
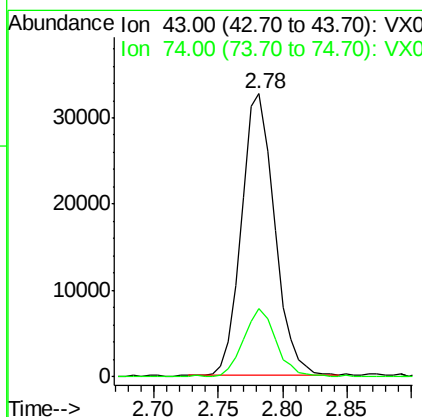
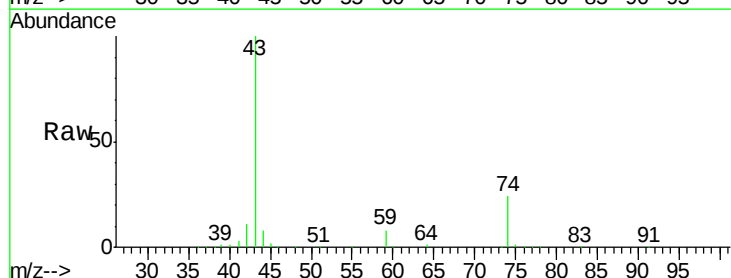
Manual Integrations  
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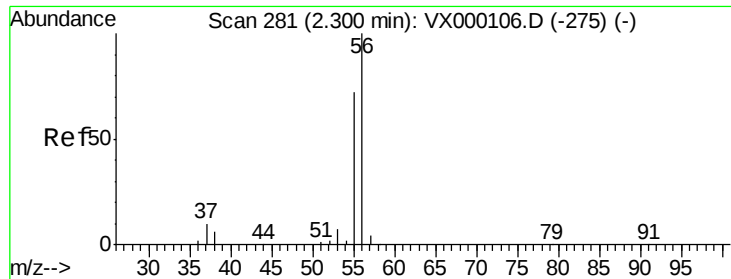
apatel  
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#12  
Methyl Acetate  
Concen: 23.14 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. -0.01 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.0  | 18.6  | 27.8  |





#13

Acrolein

Concen: 67.84 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

ClientSampled :

VX0222WBSD01

Tot Ion: 56 Resp: 20546

Ion Ratio Lower Upper

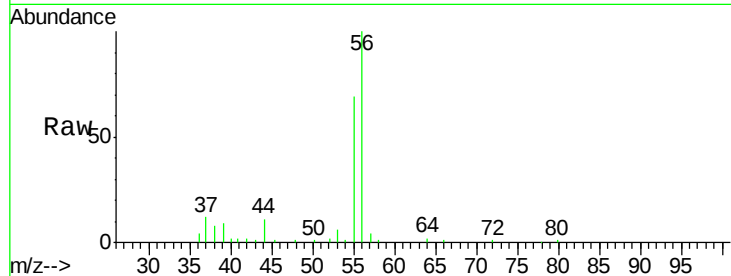
56 100

55 68.4 57.3 85.9

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

15000

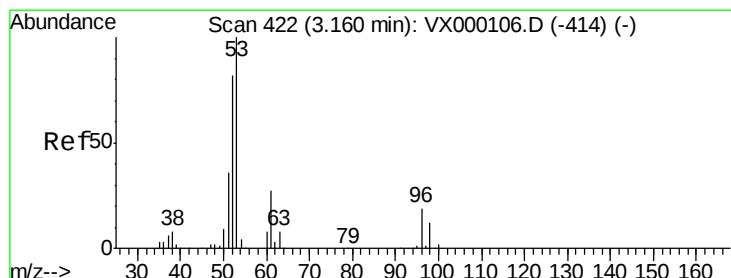
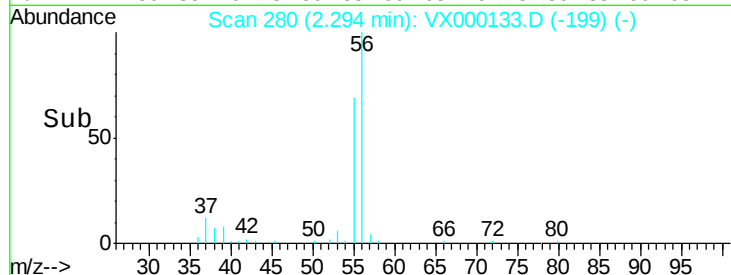
10000

5000

0

2.25 2.30 2.35

Time-->



#14

Acrylonitrile

Concen: 106.90 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

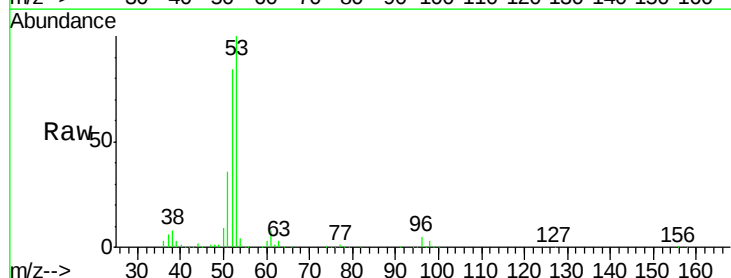
Tgt Ion: 53 Resp: 116581

Ion Ratio Lower Upper

53 100

52 83.7 41.9 125.8

51 38.0 18.8 56.3



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

60000

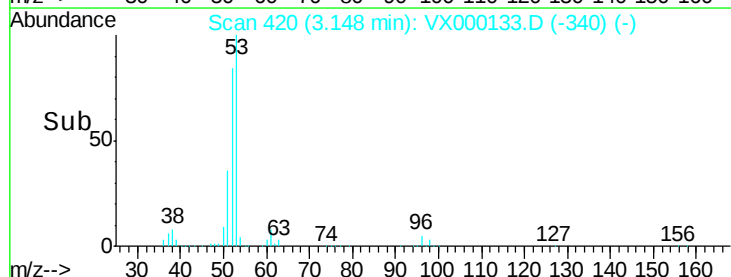
40000

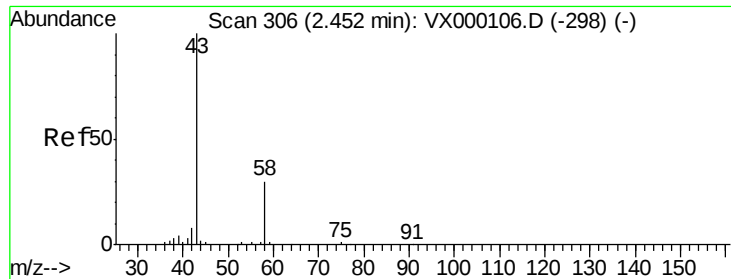
20000

0

3.10 3.20 3.30

Time-->





#15

Acetone

Concen: 105.39 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

ClientSampled :

VX0222WBSD01

Tot Ion: 58 Resp: 37472

Ion Ratio Lower Upper

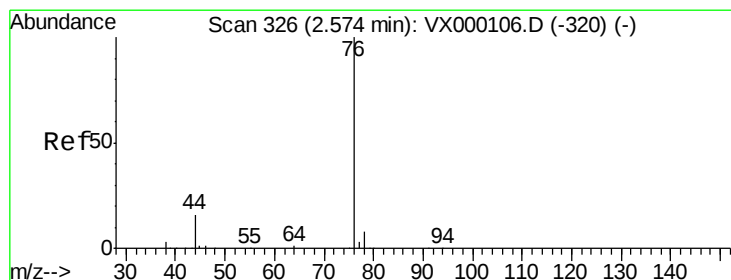
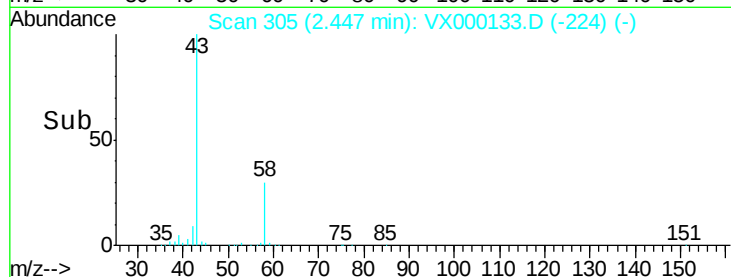
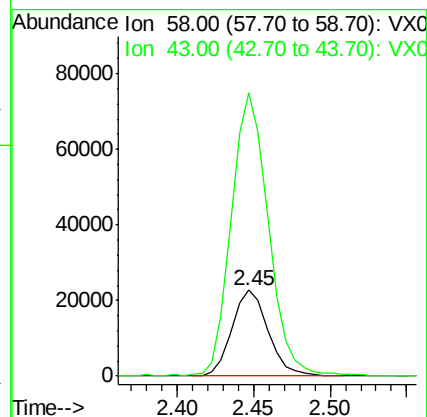
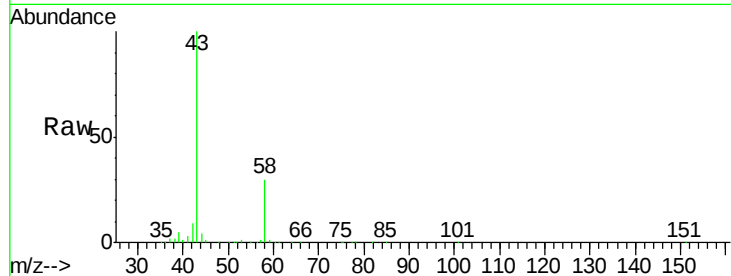
58 100

43 327.5 264.6 396.8

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#16

Carbon Disulfide

Concen: 18.96 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000133.D

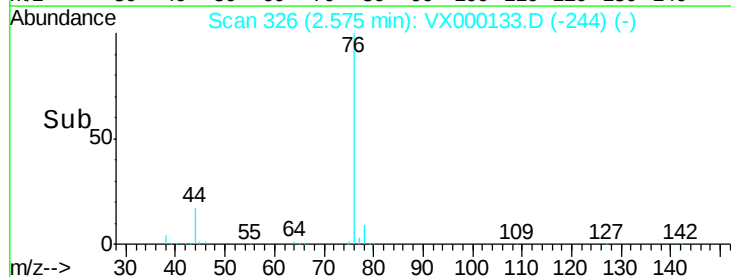
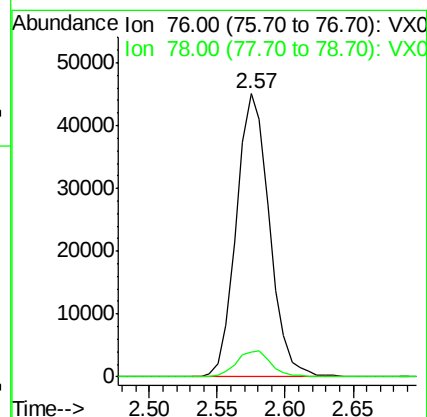
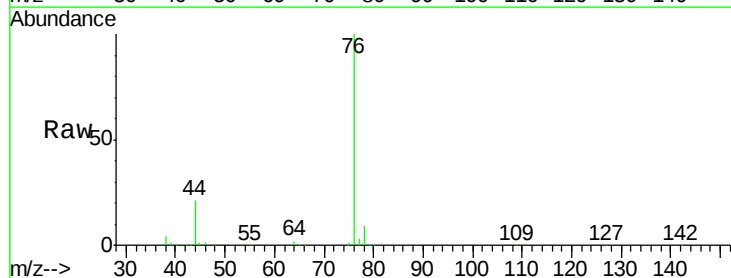
Acq: 22 Feb 2018 17:43

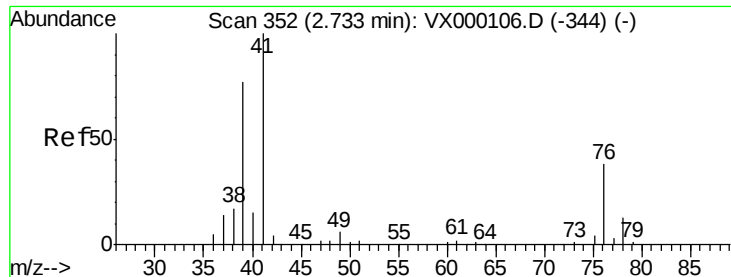
Tgt Ion: 76 Resp: 76380

Ion Ratio Lower Upper

76 100

78 8.7 6.8 10.2





#17

Allvl chloride

Concen: 20.82 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

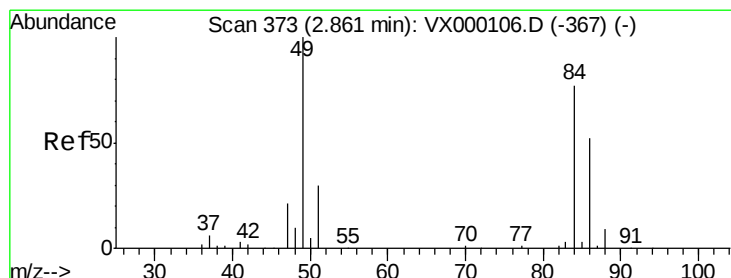
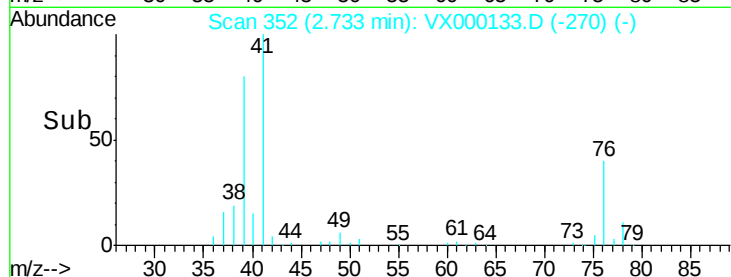
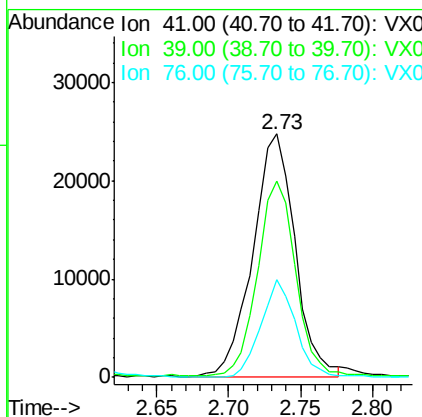
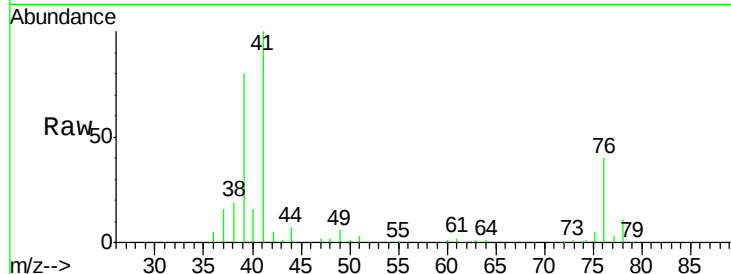
ClientSampled :

VX0222WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 49989 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 80.1  | 38.5  | 115.5 |
| 76       | 40.2  | 18.7  | 56.1  |

Manual Integrations  
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#18

Methylene Chloride

Concen: 19.82 ug/l

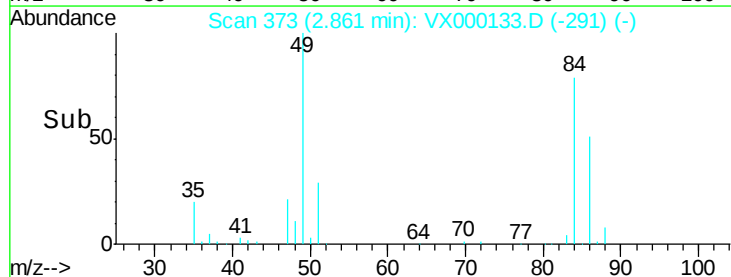
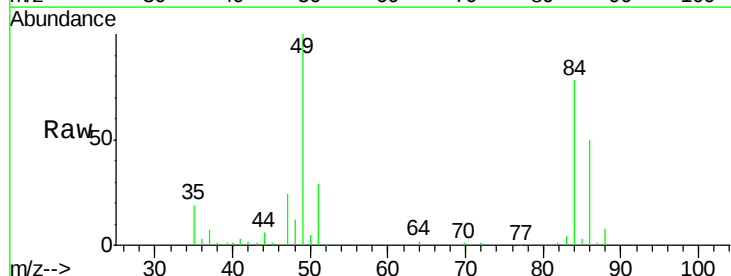
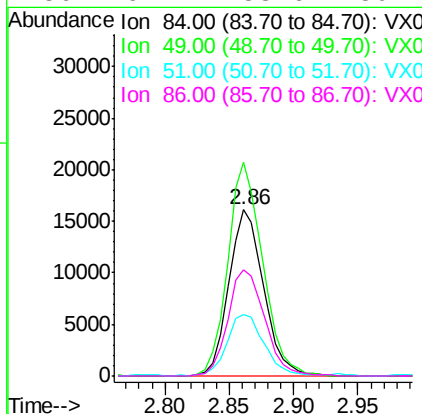
RT: 2.86 min Scan# 373

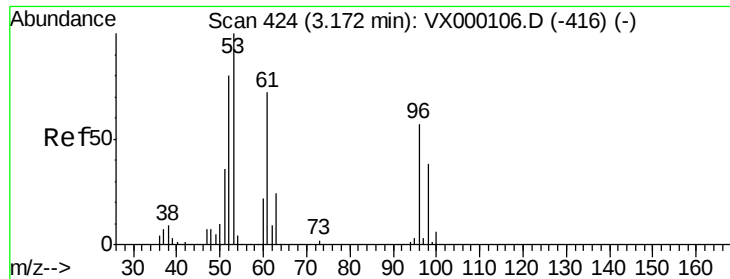
Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 30421 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 128.8 | 103.3 | 154.9 |
| 51       | 37.1  | 31.2  | 46.8  |
| 86       | 64.4  | 53.6  | 80.4  |





#19

trans-1,2-Dichloroethene

Concen: 19.96 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

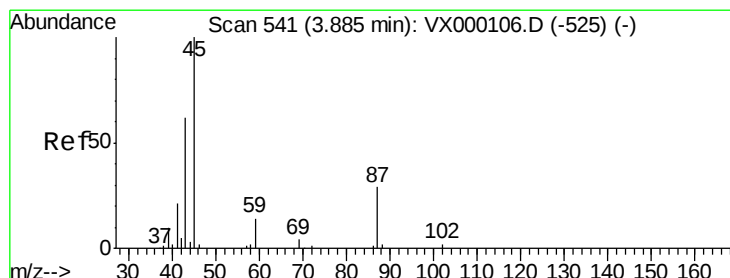
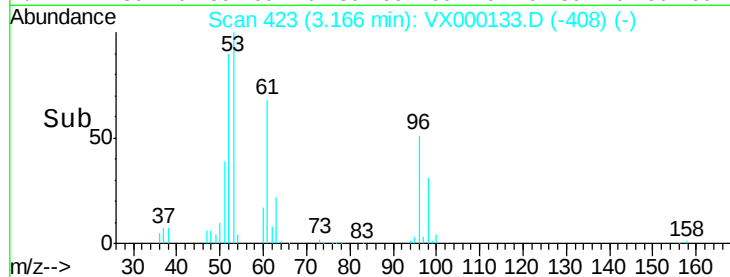
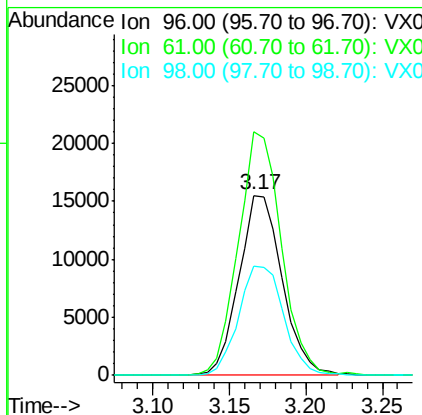
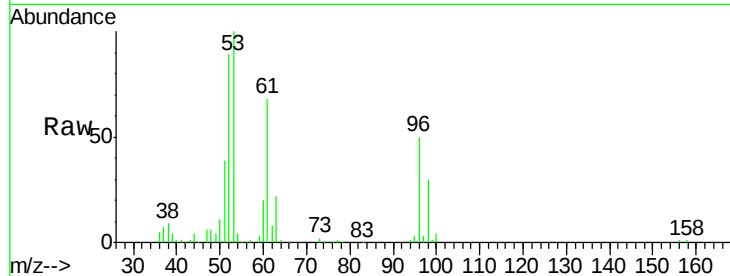
ClientSampled :

VX0222WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 30591 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 135.1 | 101.0 | 151.6 |
| 98       | 60.4  | 53.3  | 79.9  |

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#20

Diisopropyl ether

Concen: 24.83 ug/l

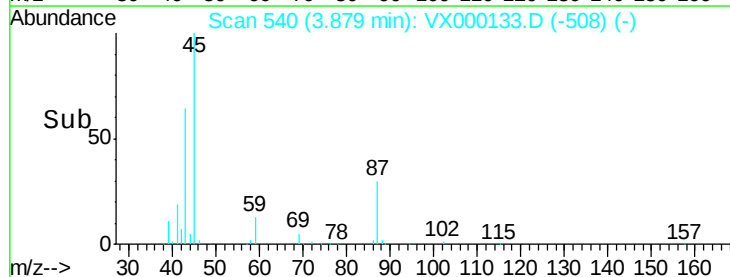
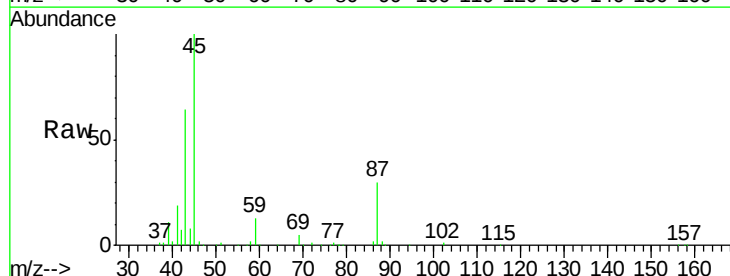
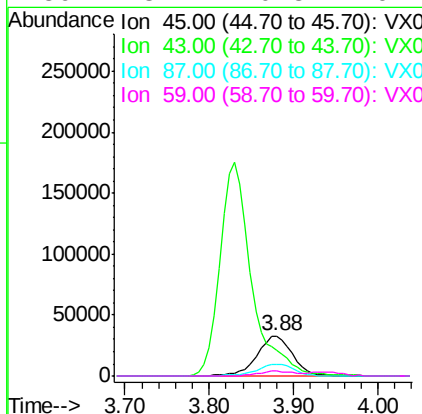
RT: 3.88 min Scan# 540

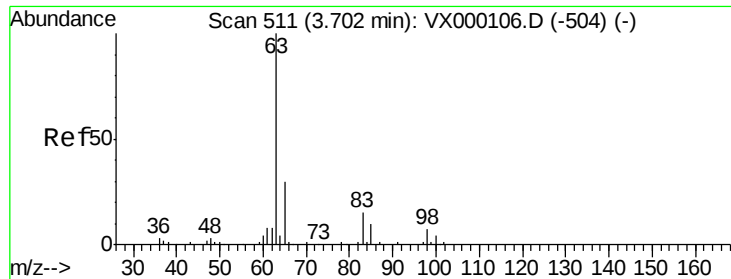
Delta R.T. -0.01 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 94134 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 63.4  | 49.6  | 74.4  |
| 87       | 30.2  | 23.1  | 34.7  |
| 59       | 13.1  | 10.8  | 16.2  |





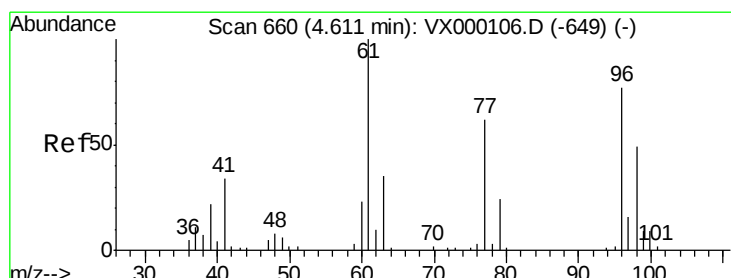
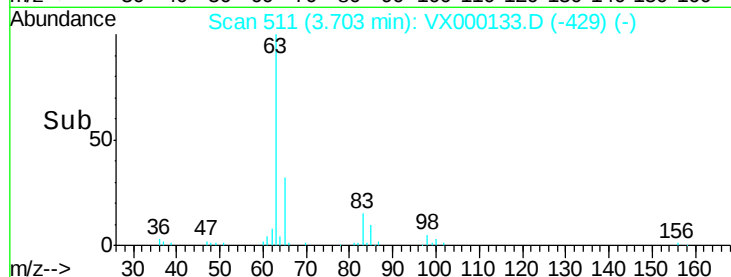
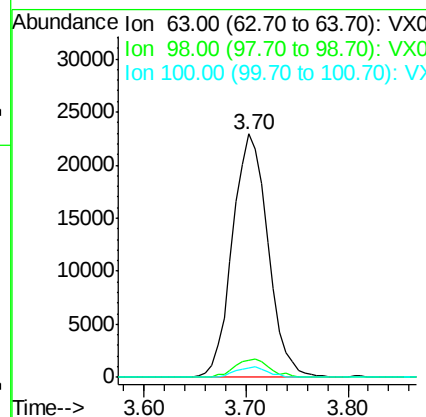
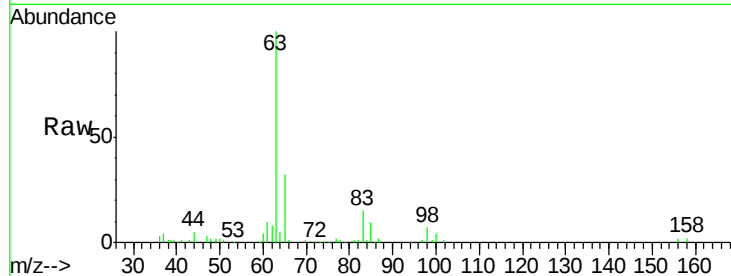
#21  
1,1-Dichloroethane  
Concen: 22.14 ug/l  
RT: 3.70 min Scan# 511  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampled :  
VX0222WBSD01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 63      | 100   |            |       |
| 98      | 6.9   | 3.3        | 9.9   |
| 100     | 3.8   | 2.1        | 6.5   |

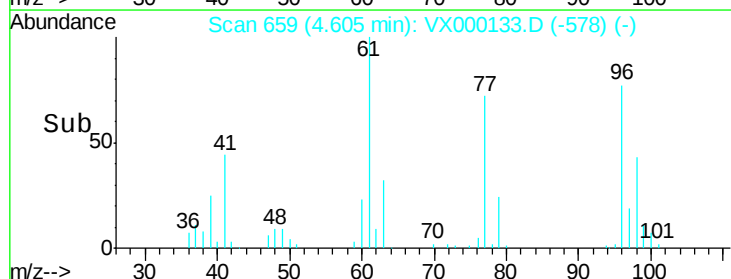
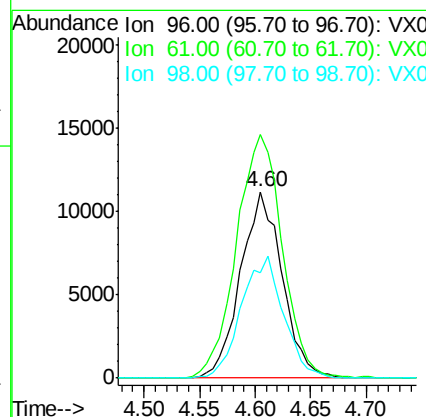
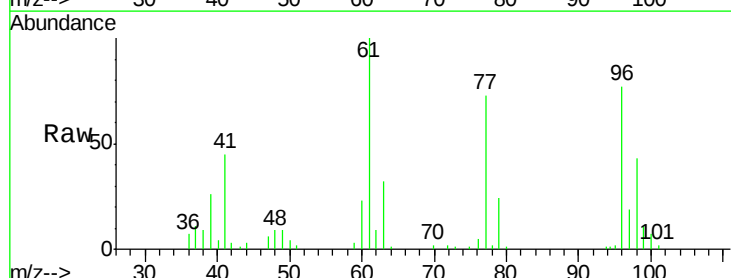
Manual Integrations  
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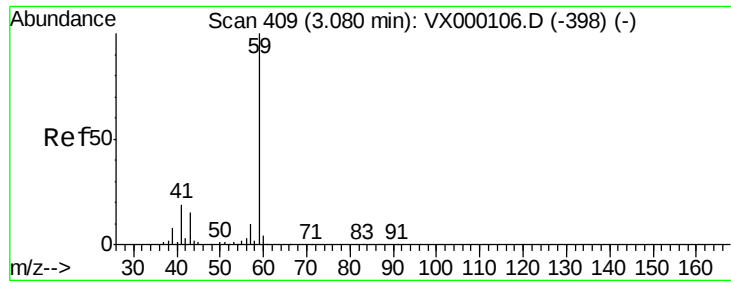
apatel  
2/23/2018 3:52:21 PM



#22  
cis-1,2-Dichloroethene  
Concen: 20.39 ug/l  
RT: 4.60 min Scan# 659  
Delta R.T. -0.01 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 96      | 100   |            |       |
| 61      | 144.6 | 113.5      | 170.3 |
| 98      | 66.4  | 51.8       | 77.8  |





#23

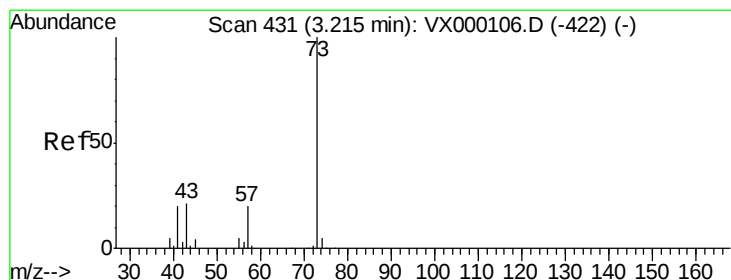
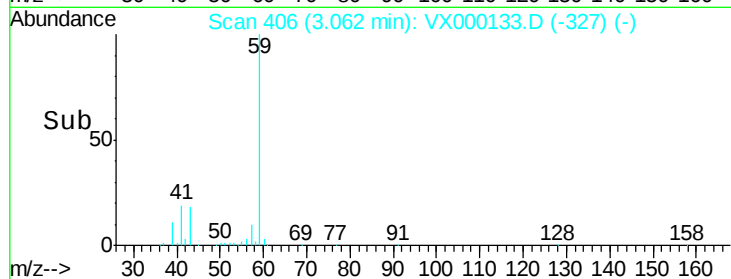
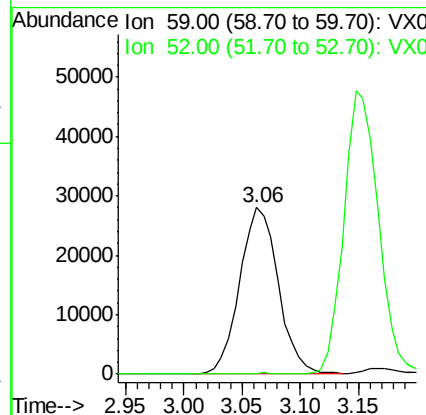
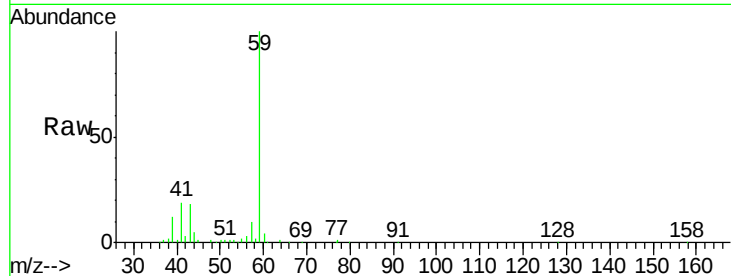
tert-Butyl Alcohol  
 Concen: 104.30 ug/l  
 RT: 3.06 min Scan# 406  
 Delta R.T. -0.02 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Instrument :  
 ClientSampled :  
 VX0222WBSD01

Tot Ion: 59 Resp: 65017  
 Ion Ratio Lower Upper  
 59 100  
 52 0.3 0.1 0.1#

Manual Integrations  
 APPROVED

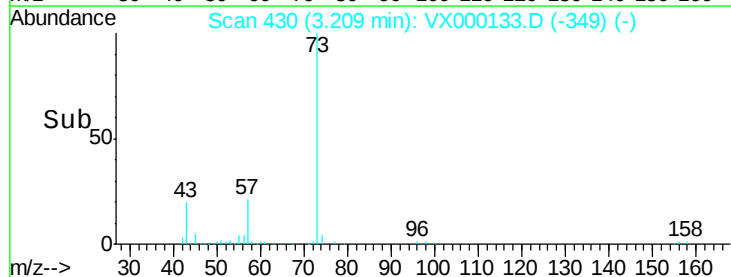
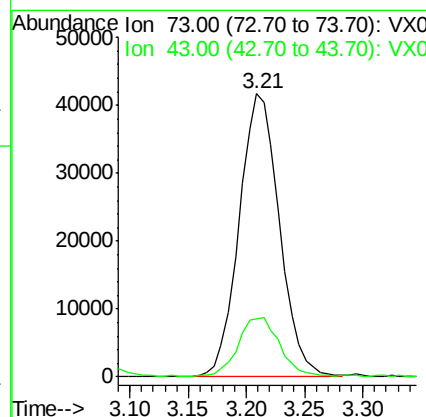
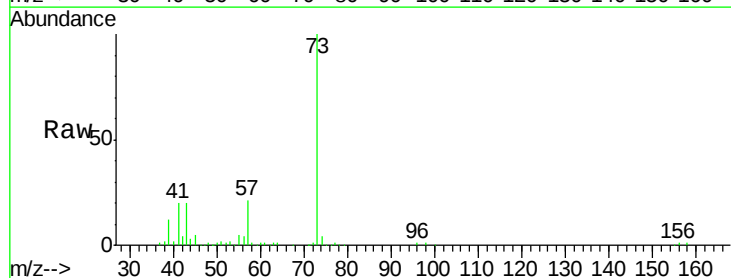
apatel  
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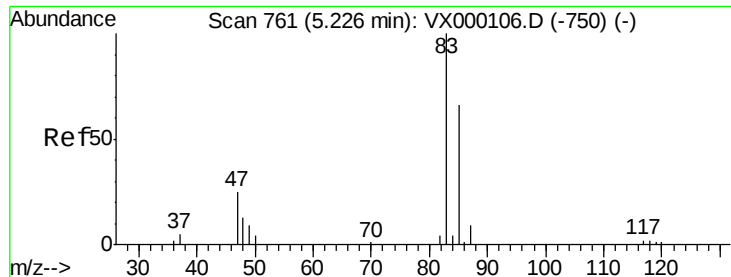


#24

Methyl tert-Butyl Ether  
 Concen: 20.73 ug/l  
 RT: 3.21 min Scan# 430  
 Delta R.T. -0.01 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Tgt Ion: 73 Resp: 100598  
 Ion Ratio Lower Upper  
 73 100  
 43 21.1 16.5 24.7





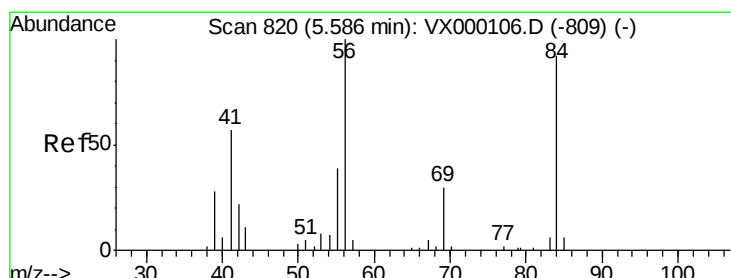
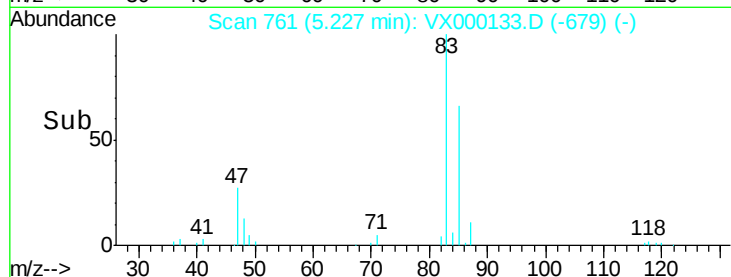
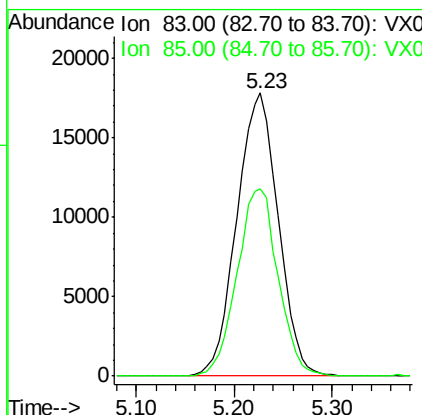
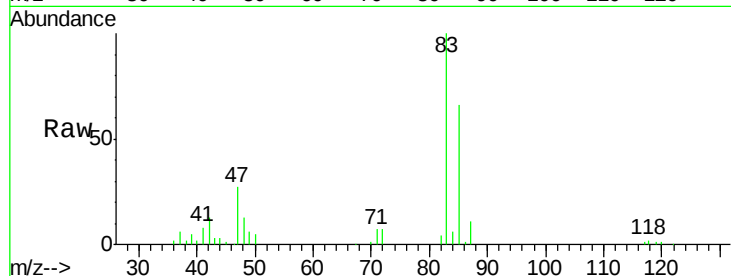
#25  
Chloroform  
Concen: 21.17 ug/l  
RT: 5.23 min Scan# 761  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampled :  
VX0222WBSD01

| Tot Ion   | 83   | Resp  | 52458 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 85        | 66.2 | 52.5  | 78.7  |

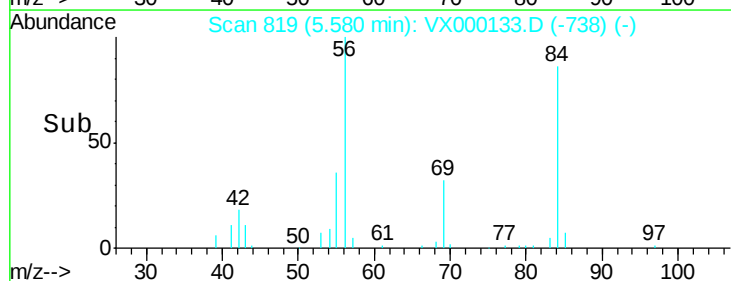
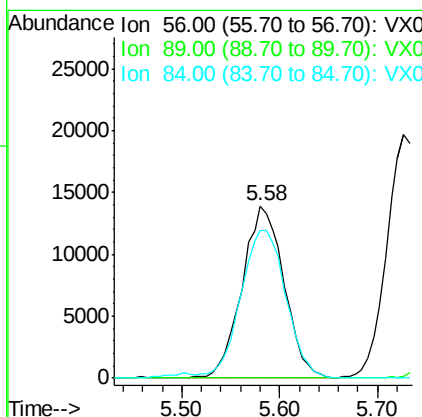
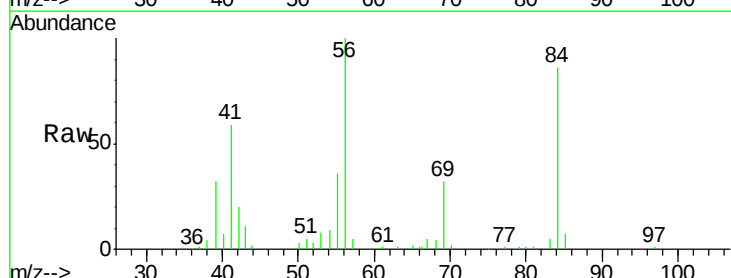
Manual Integrations  
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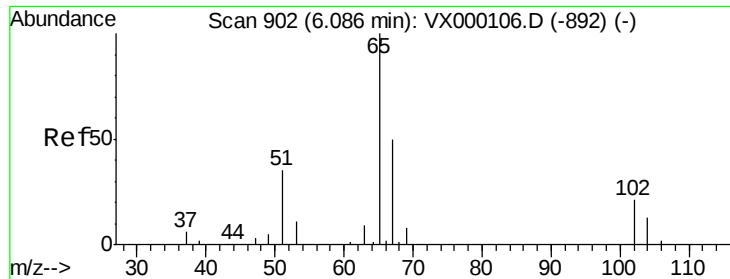
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#26  
Cyclohexane  
Concen: 21.10 ug/l  
RT: 5.58 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

| Tgt Ion   | 56   | Resp  | 41345 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 89        | 0.0  | 0.0   | 0.0   |
| 84        | 92.5 | 74.8  | 112.2 |





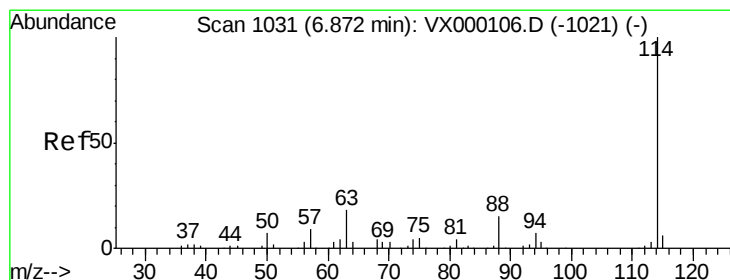
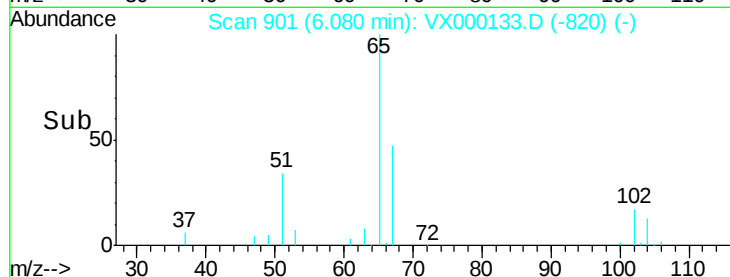
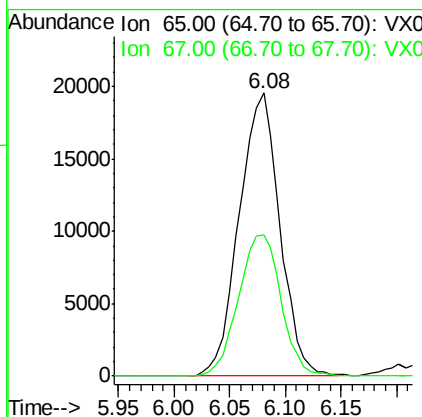
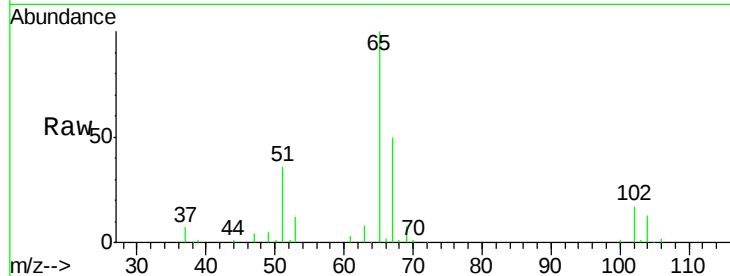
#27  
 1,2-Dichloroethane-d4  
 Concen: 30.42 ug/l  
 RT: 6.08 min Scan# 901  
 Delta R.T. -0.01 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Instrument :  
 ClientSampled :  
 VX0222WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.3  | 41.4  | 62.2  |

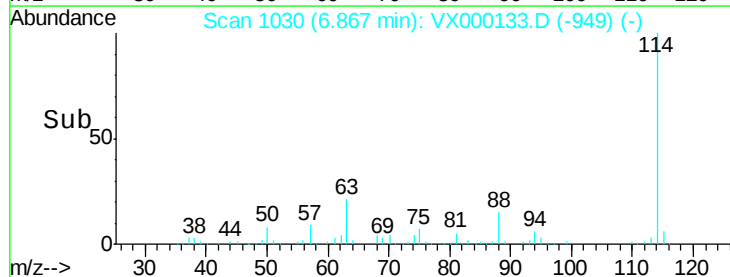
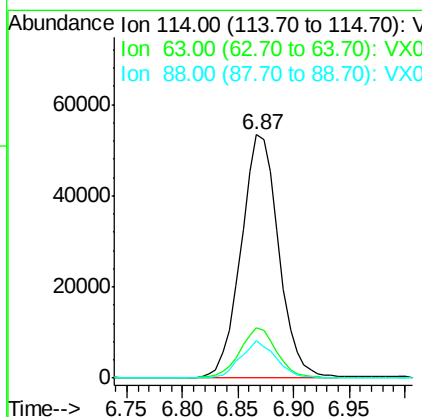
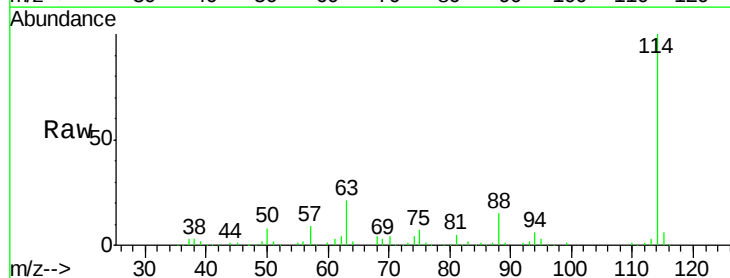
Manual Integrations  
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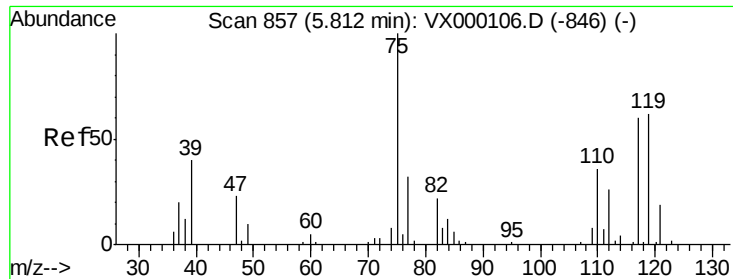
apatel  
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#28  
 1,4-Difluorobenzene  
 Concen: 30.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.01 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.7  | 15.0  | 22.4  |
| 88      | 14.4  | 11.8  | 17.8  |





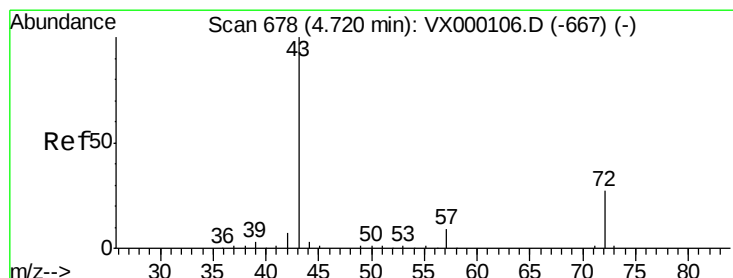
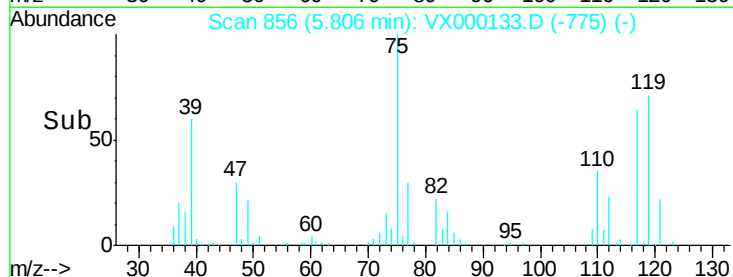
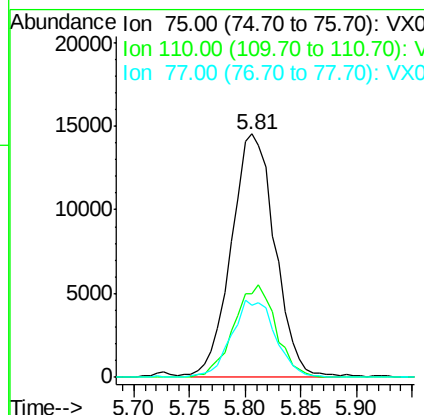
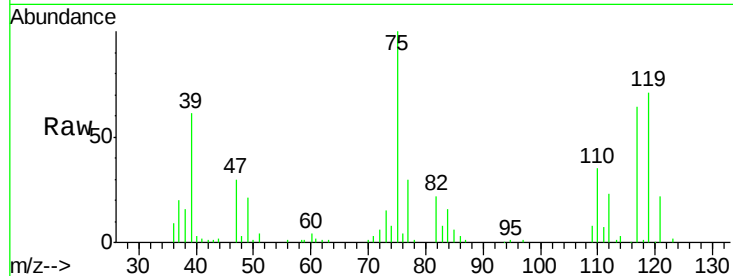
#29  
 1,1-Dichloropropene  
 Concen: 21.66 ug/l  
 RT: 5.81 min Scan# 856  
 Delta R.T. -0.01 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Instrument :  
 ClientSampled :  
 VX0222WBSD01

| Tot Ion | Ion  | Ratio | Resp Lower | Upper |
|---------|------|-------|------------|-------|
| 75      | 100  |       |            |       |
| 110     | 36.4 | 0.0   | 75.6       |       |
| 77      | 16.6 | 0.0   | 62.6       |       |

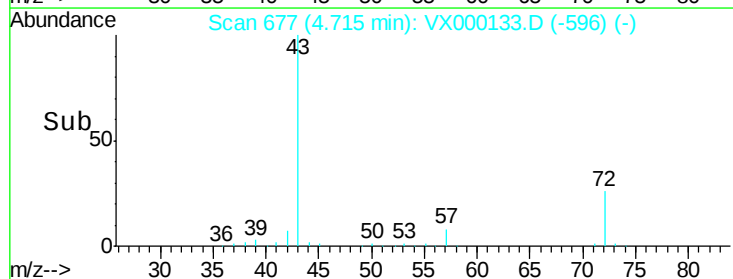
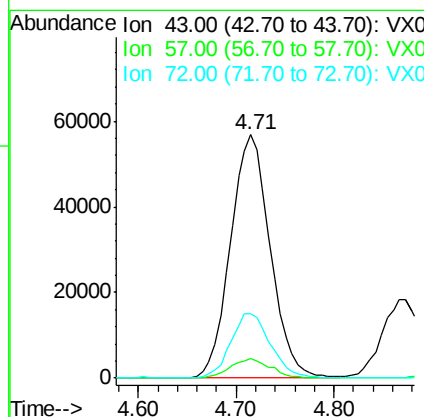
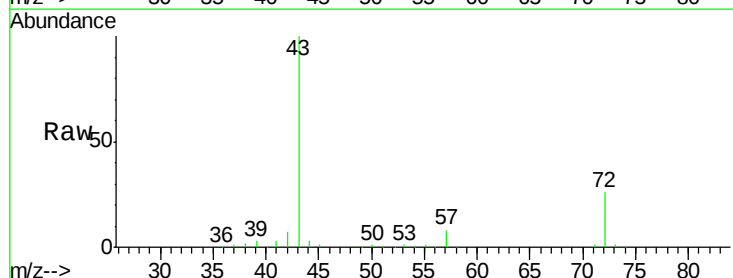
Manual Integrations  
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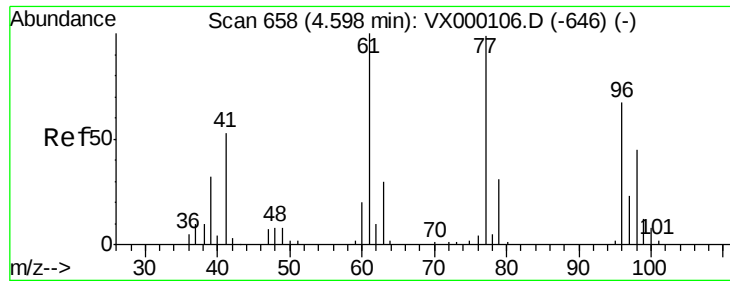
apatel  
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#30  
 2-Butanone  
 Concen: 112.98 ug/l  
 RT: 4.71 min Scan# 677  
 Delta R.T. -0.01 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

| Tgt Ion | Ion  | Ratio | Resp Lower | Upper |
|---------|------|-------|------------|-------|
| 43      | 100  |       |            |       |
| 57      | 8.0  | 6.6   | 10.0       |       |
| 72      | 26.9 | 21.8  | 32.6       |       |





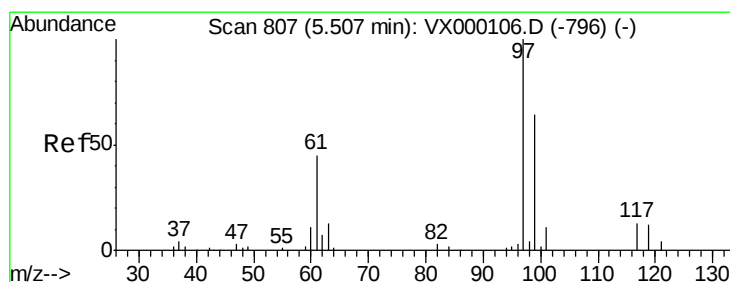
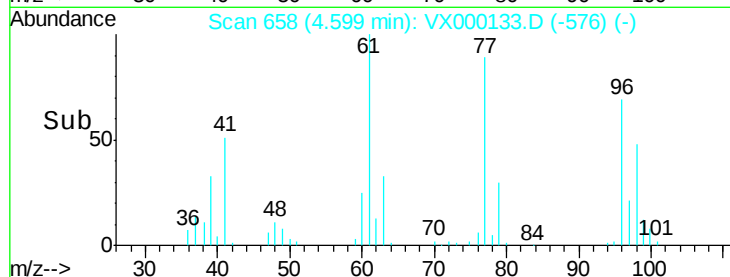
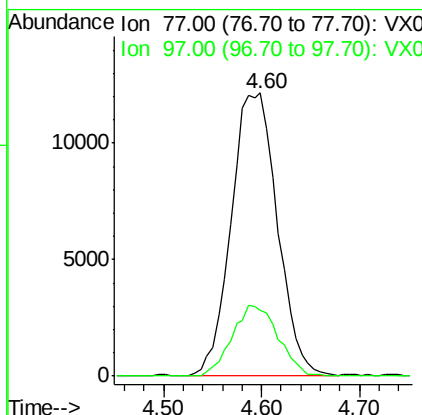
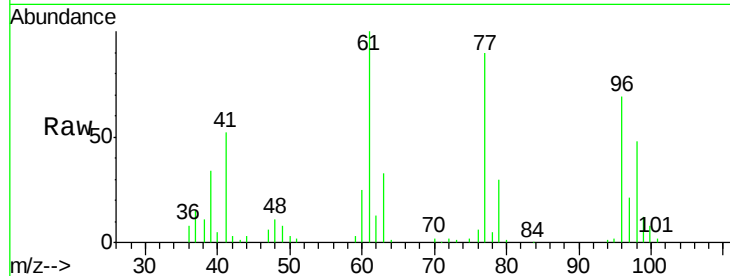
#31  
 2,2-Dichloropropane  
 Concen: 20.24 ug/l  
 RT: 4.60 min Scan# 658  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Instrument :  
 ClientSampleId :  
 VX0222WBSD01

Tot Ion: 77 Resp: 39833  
 Ion Ratio Lower Upper  
 77 100  
 97 24.8 18.6 27.8

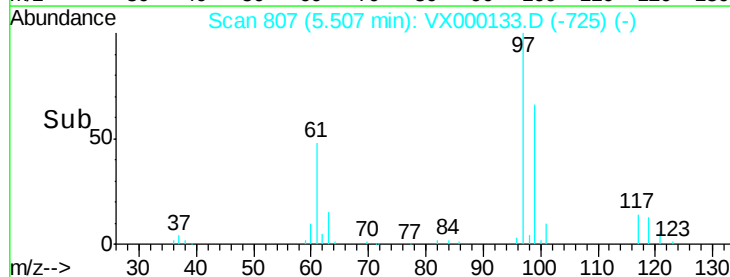
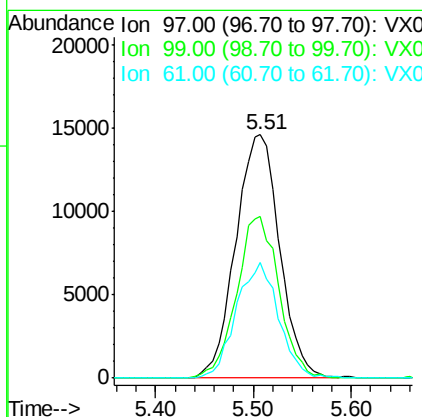
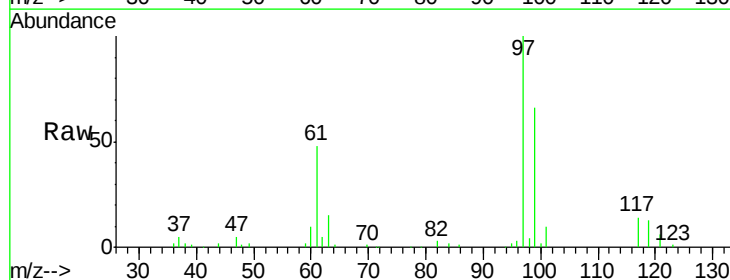
Manual Integrations  
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#32  
 1,1,1-Trichloroethane  
 Concen: 20.65 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Tgt Ion: 97 Resp: 45717  
 Ion Ratio Lower Upper  
 97 100  
 99 63.6 52.3 78.5  
 61 45.7 34.3 51.5





#33

Carbon Tetrachloride

Concen: 20.42 ug/l

RT: 5.79 min Scan# 854

Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

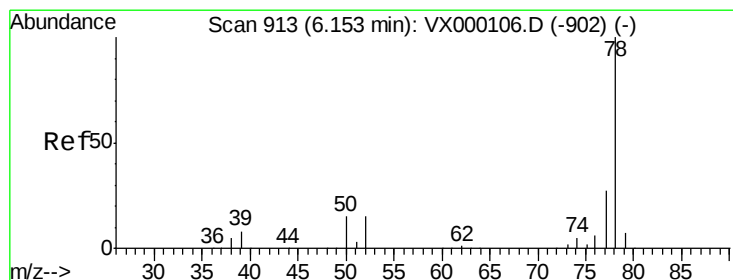
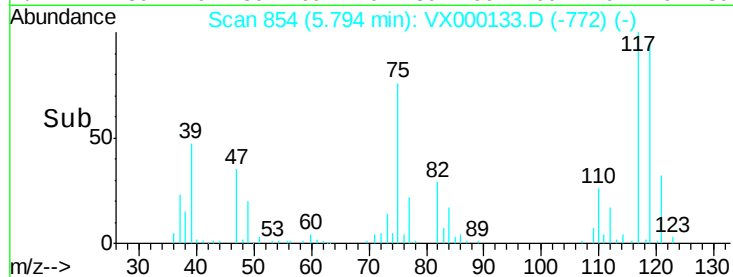
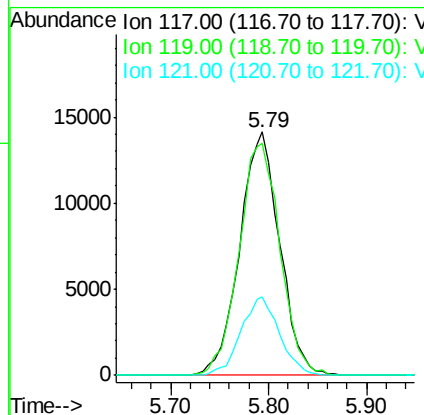
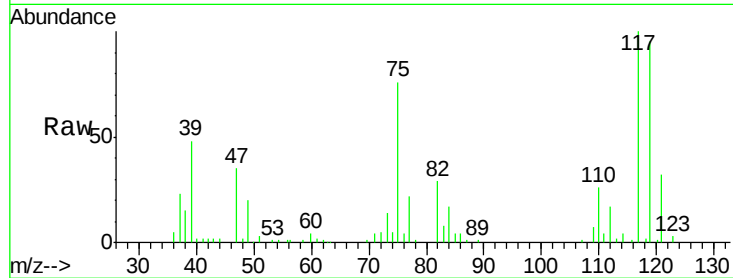
ClientSampled :

VX0222WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.1  | 73.5  | 110.3 |
| 121     | 32.2  | 24.6  | 37.0  |

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#34

Benzene

Concen: 21.68 ug/l

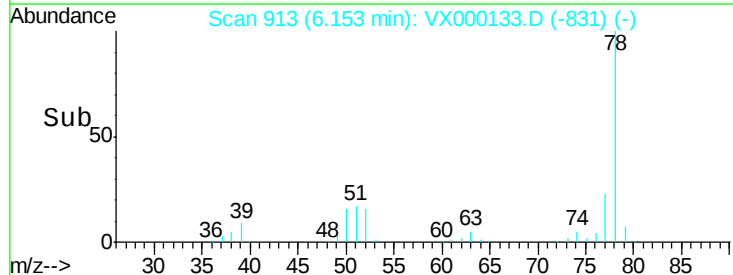
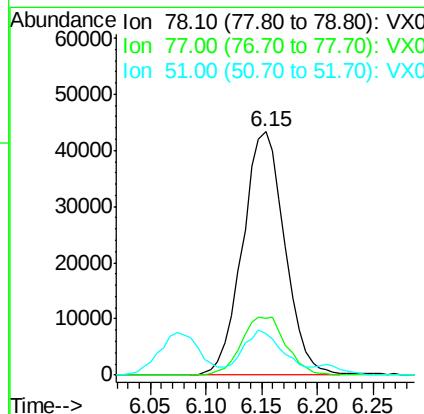
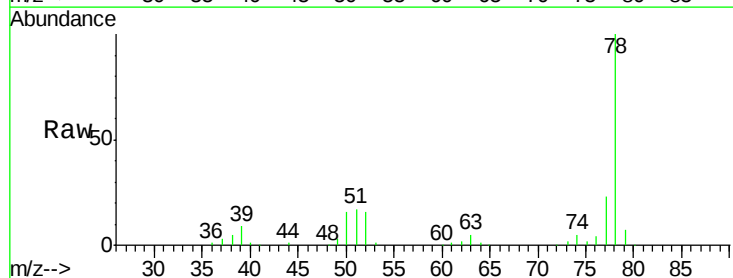
RT: 6.15 min Scan# 913

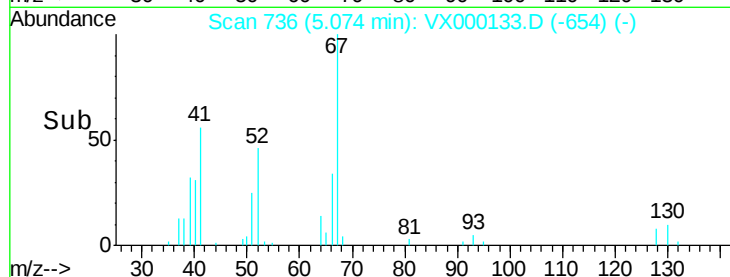
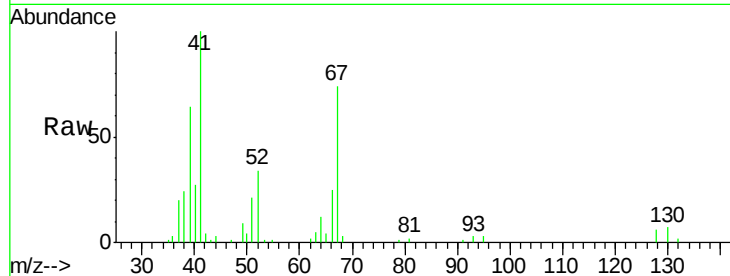
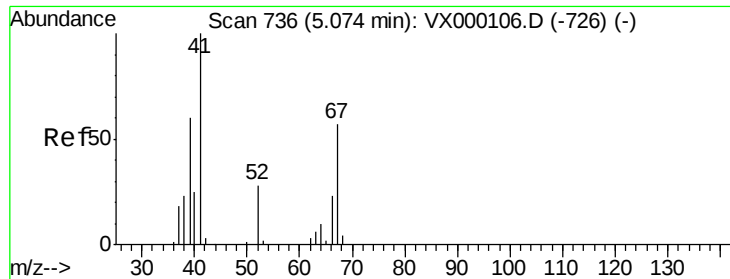
Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

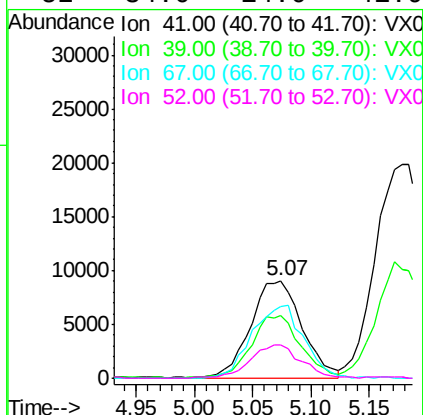
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 21.7  | 32.5  |
| 51      | 14.8  | 14.9  | 22.3# |





#35  
Methacrylonitrile  
Concen: 21.58 ug/l  
RT: 5.07 min Scan# 736  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

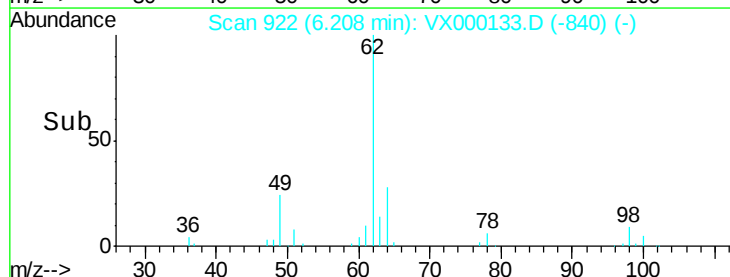
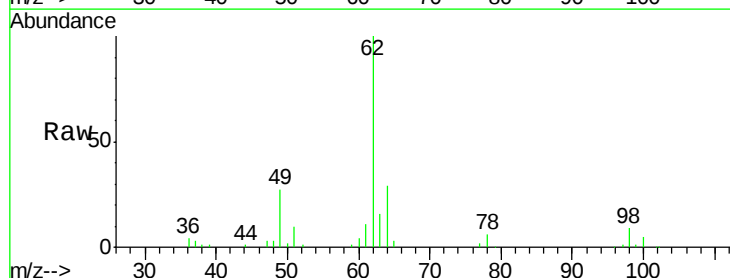
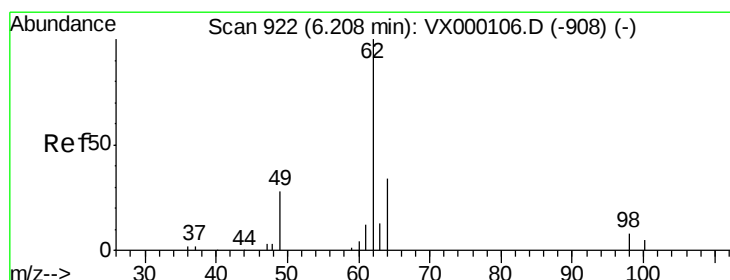
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 41      | 100  |       |      |       |       |
| 39      | 63.0 | 29.8  | 89.3 |       |       |
| 67      | 73.7 | 28.7  | 86.3 |       |       |
| 52      | 34.0 | 14.0  | 41.9 |       |       |



Instrument :  
ClientSampled :  
VX0222WBSD01

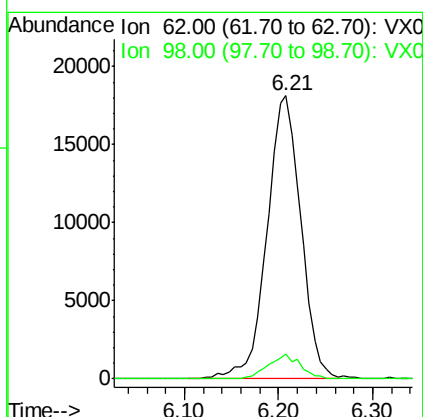
Manual Integrations  
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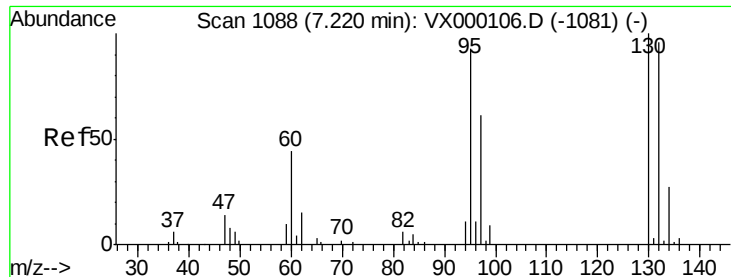
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#36  
1,2-Dichloroethane  
Concen: 22.81 ug/l  
RT: 6.21 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 62      | 100 |       |      |       |       |
| 98      | 8.4 | 6.9   | 10.3 |       |       |





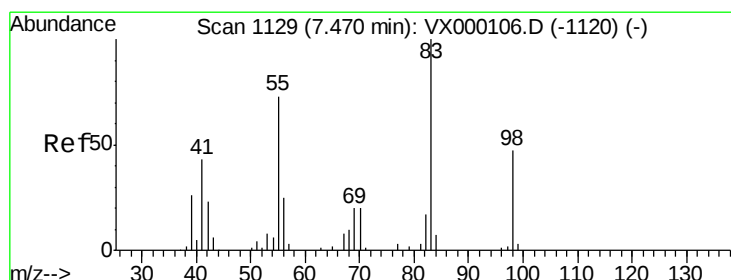
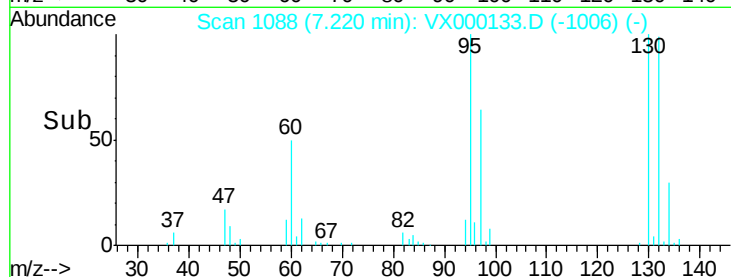
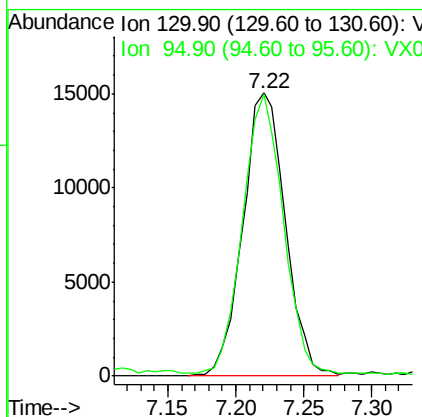
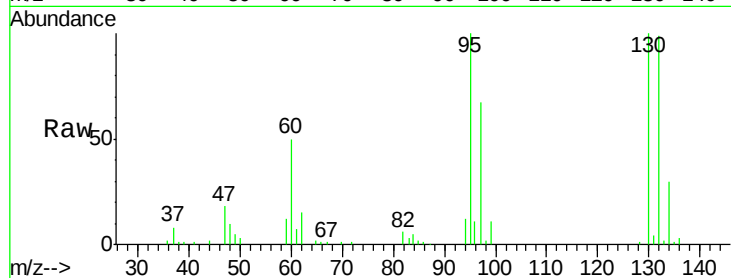
#37  
 Trichloroethene  
 Concen: 21.19 ug/l  
 RT: 7.22 min Scan# 1088  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Instrument :  
 ClientSampled :  
 VX0222WBSD01

Tot Ion:130 Resp: 32984  
 Ion Ratio Lower Upper  
 130 100  
 95 98.8 74.6 112.0

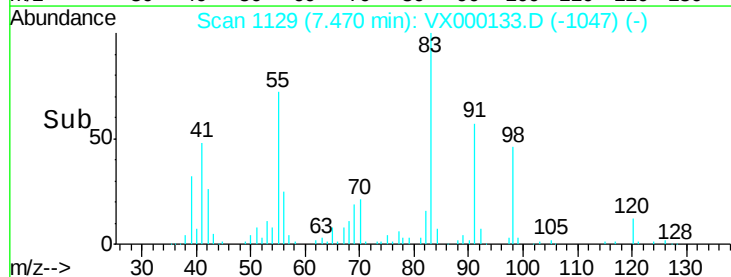
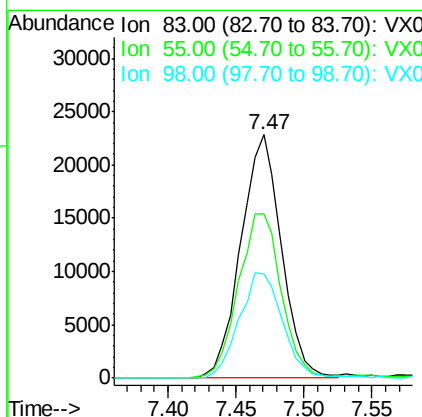
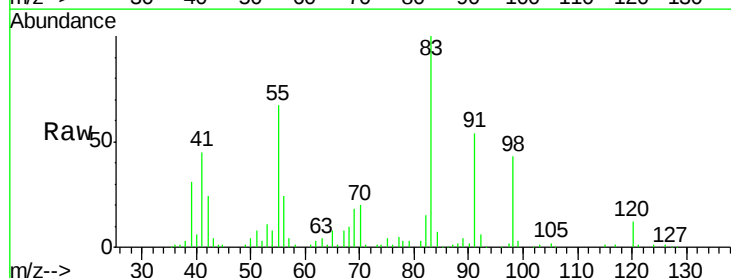
Manual Integrations  
 APPROVED

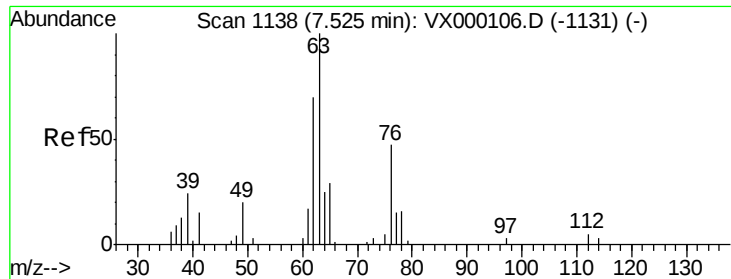
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#38  
 Methylcyclohexane  
 Concen: 21.76 ug/l  
 RT: 7.47 min Scan# 1129  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Tgt Ion: 83 Resp: 47733  
 Ion Ratio Lower Upper  
 83 100  
 55 71.3 35.9 107.7  
 98 46.0 24.6 74.0





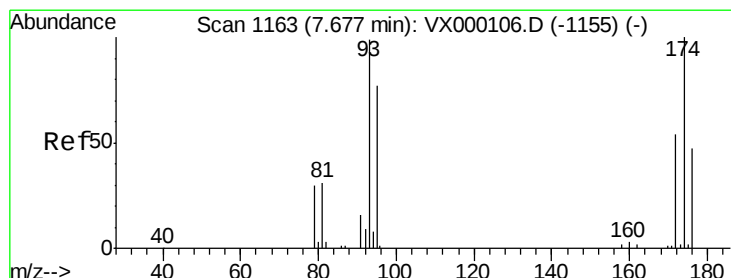
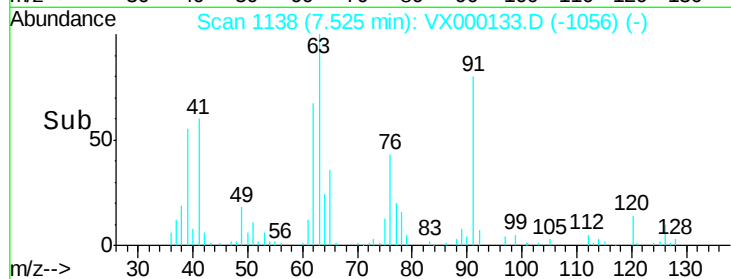
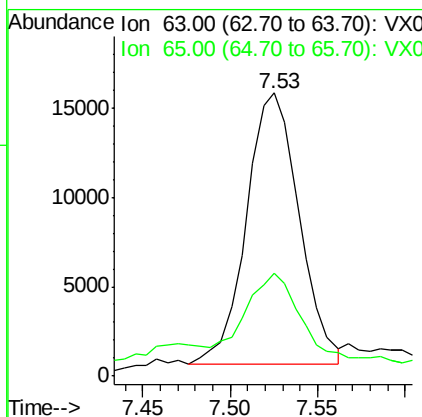
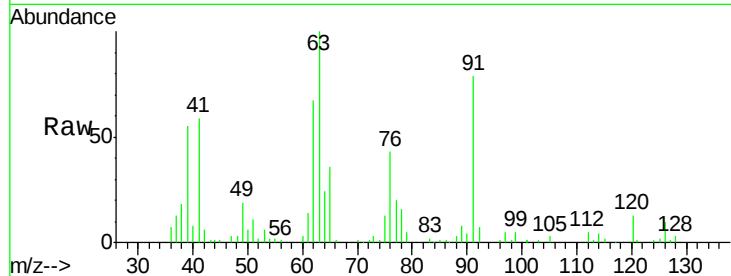
#39  
 1,2-Dichloropropane  
 Concen: 24.19 ug/l  
 RT: 7.53 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Instrument :  
 ClientSampled :  
 VX0222WBSD01

Tot Ion: 63 Resp: 31793  
 Ion Ratio Lower Upper  
 63 100  
 65 29.0 25.0 37.6

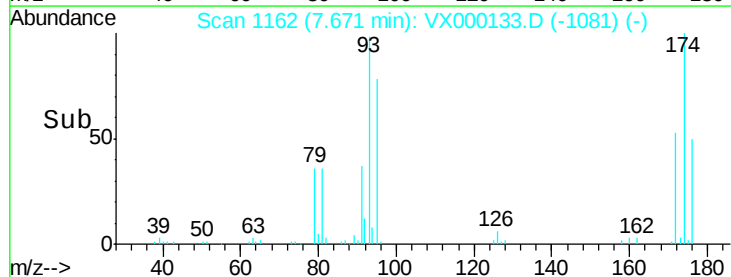
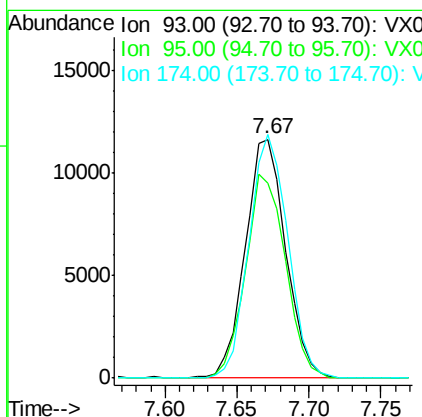
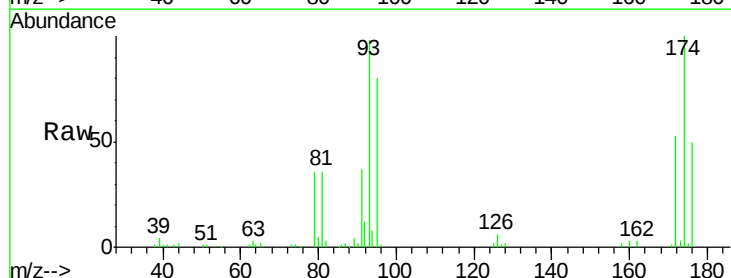
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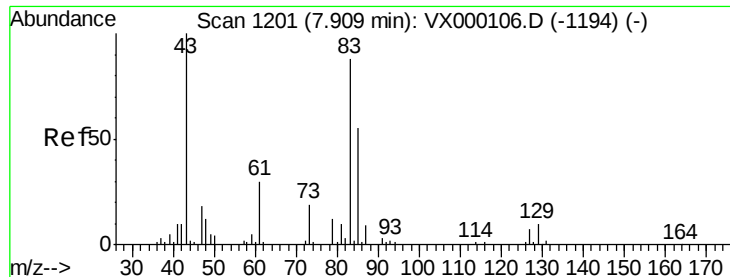
apatel  
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#40  
 Dibromomethane  
 Concen: 22.31 ug/l  
 RT: 7.67 min Scan# 1162  
 Delta R.T. -0.01 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Tgt Ion: 93 Resp: 22596  
 Ion Ratio Lower Upper  
 93 100  
 95 84.3 0.0 170.6  
 174 98.0 0.0 210.4





#41

Bromodichloromethane

Concen: 21.71 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

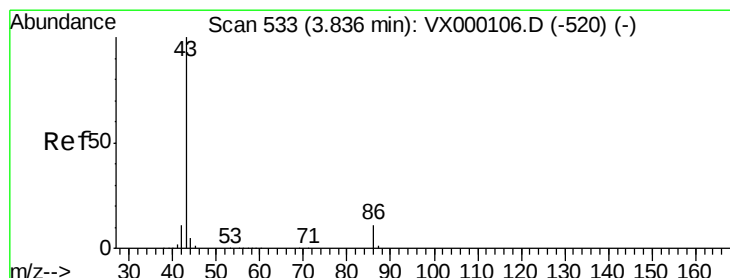
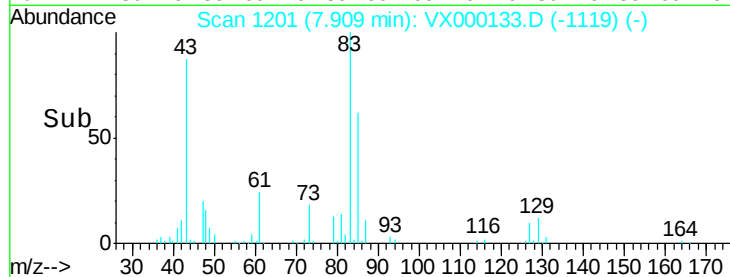
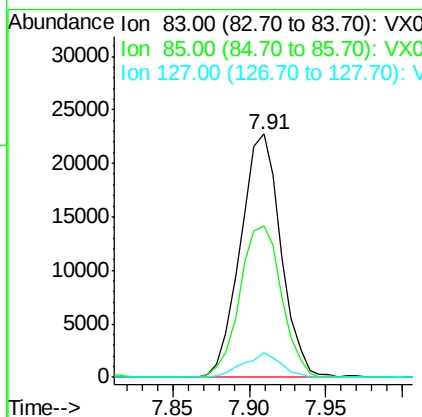
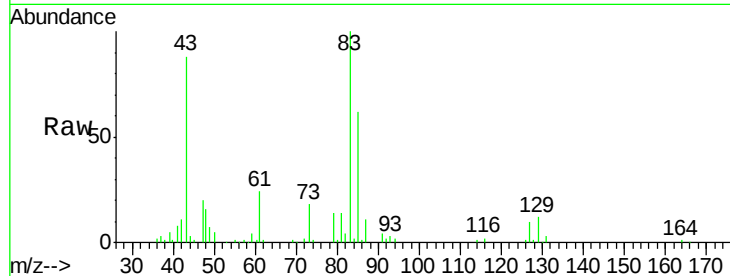
ClientSampled :

VX0222WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 41797 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.0  | 50.0  | 75.0  |
| 127      | 9.9   | 6.6   | 10.0  |

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#42

Vinyl Acetate

Concen: 125.90 ug/l

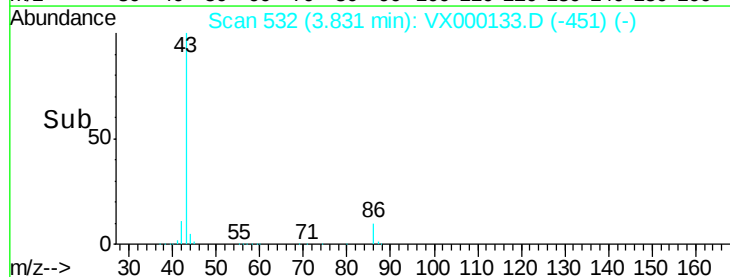
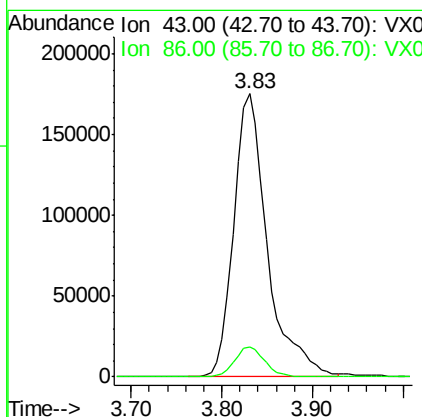
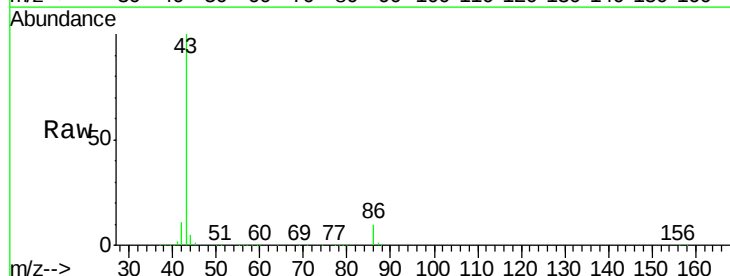
RT: 3.83 min Scan# 532

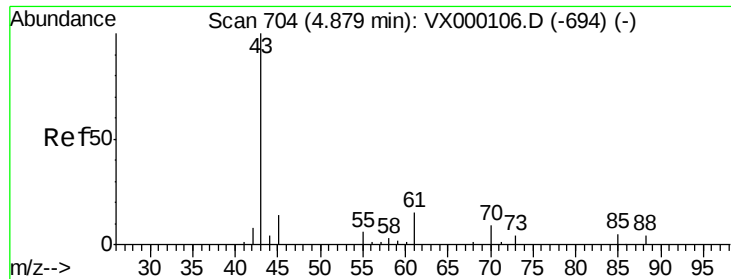
Delta R.T. -0.01 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 451991 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 86       | 9.5   | 7.8   | 11.6   |





#43

Ethyl Acetate

Concen: 21.87 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.01 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

ClientSampled :

VX0222WBSD01

Tot Ion: 43 Resp: 54108

Ion Ratio Lower Upper

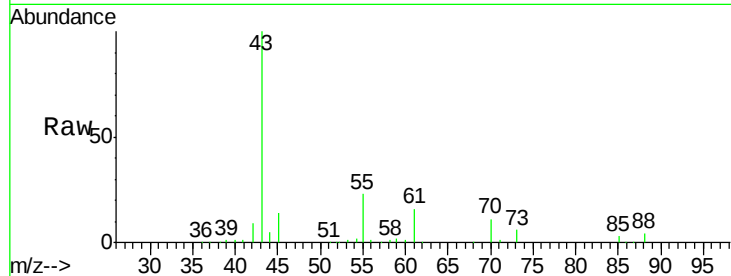
43 100

45 15.5 11.4 17.0

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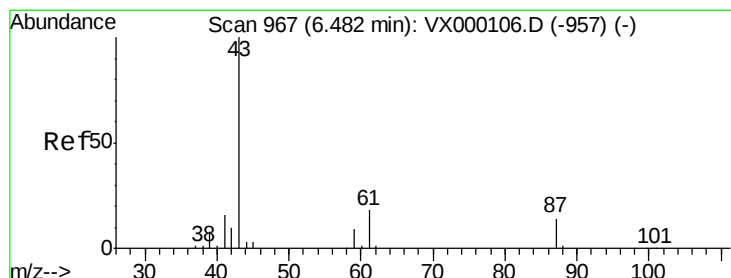
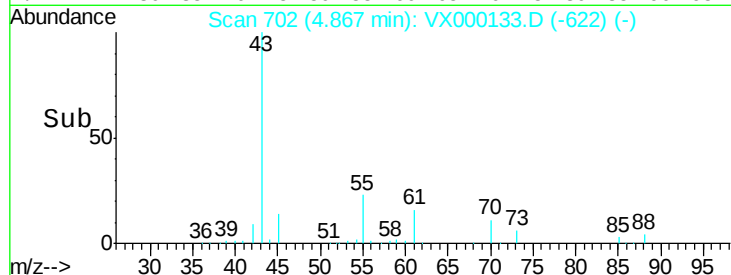
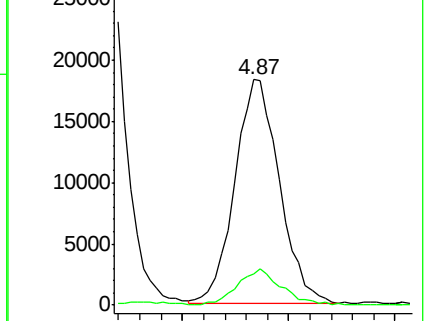
apatel

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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: 22.26 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000133.D

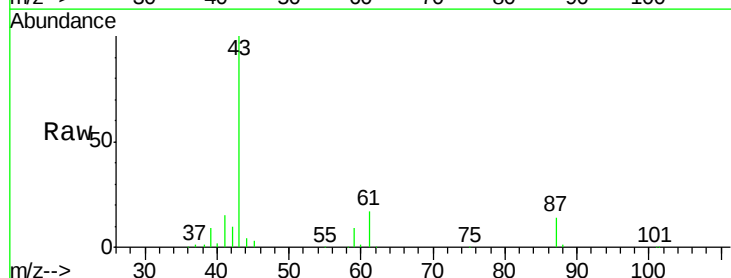
Acq: 22 Feb 2018 17:43

Tgt Ion: 43 Resp: 80789

Ion Ratio Lower Upper

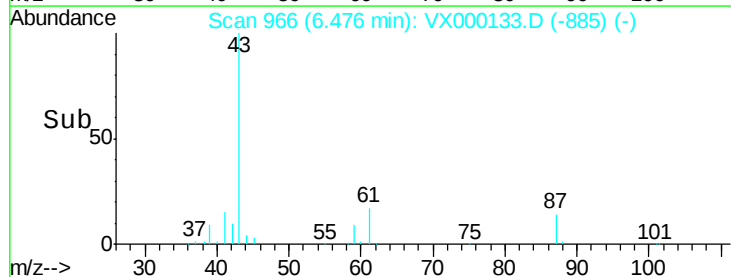
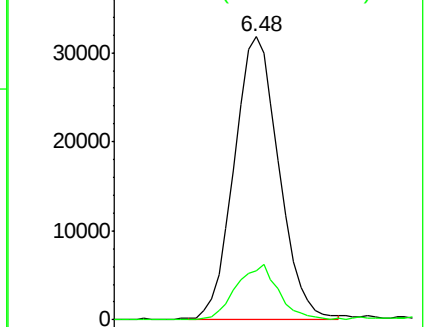
43 100

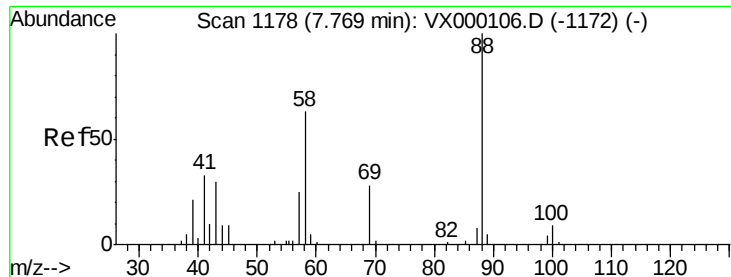
61 18.7 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#45

1,4-Dioxane

Concen: 423.11 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

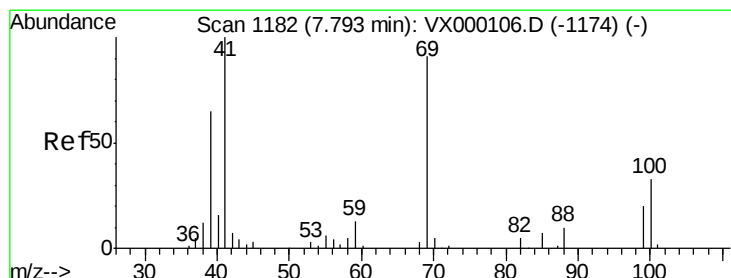
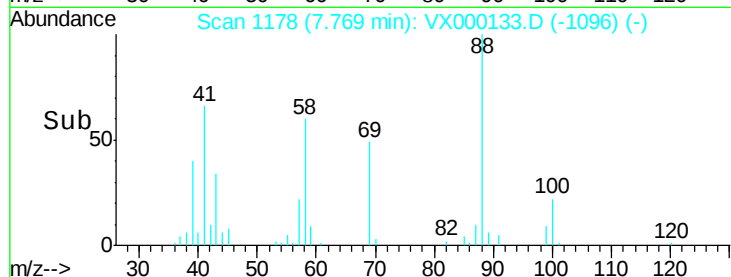
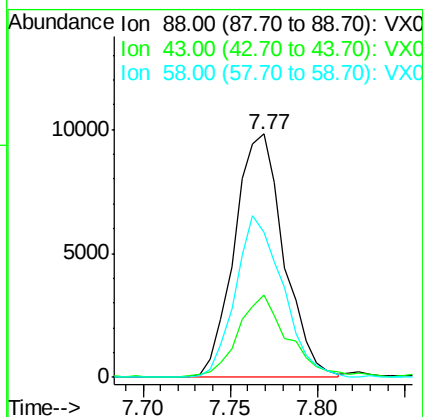
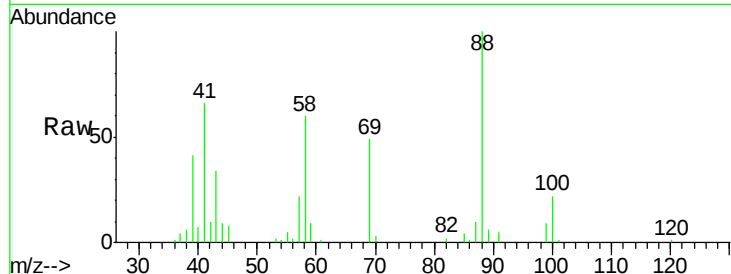
ClientSampled :

VX0222WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 19317 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 34.2  | 26.8  | 40.2  |
| 58       | 63.8  | 52.1  | 78.1  |

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#46

Methyl methacrylate

Concen: 23.54 ug/l

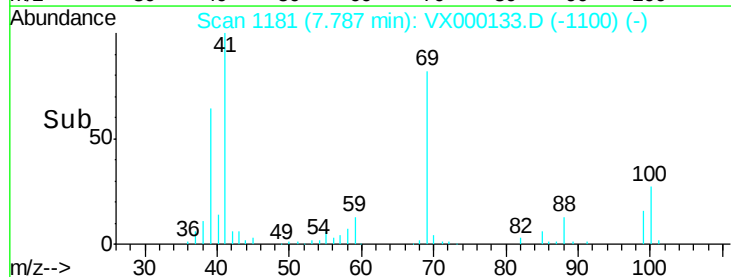
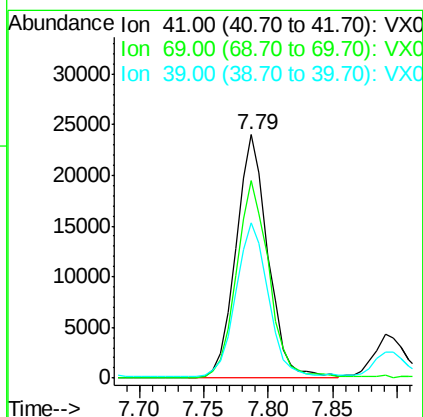
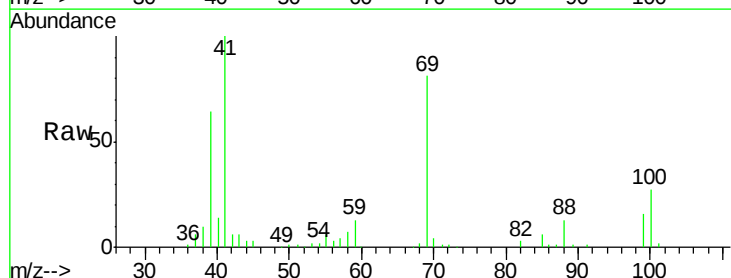
RT: 7.79 min Scan# 1181

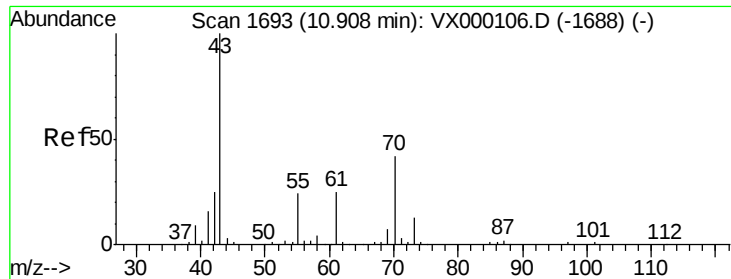
Delta R.T. -0.01 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 41565 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 81.4  | 45.5  | 136.5 |
| 39       | 63.1  | 32.5  | 97.5  |





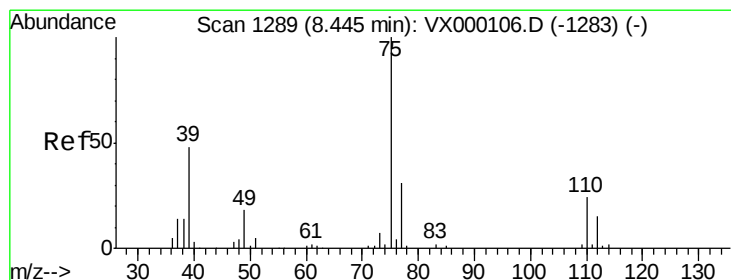
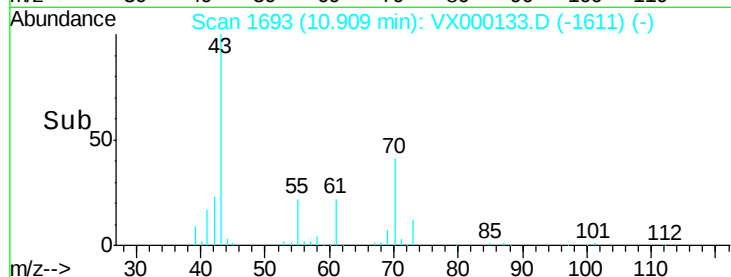
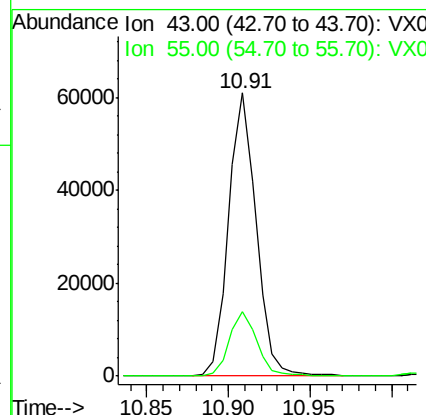
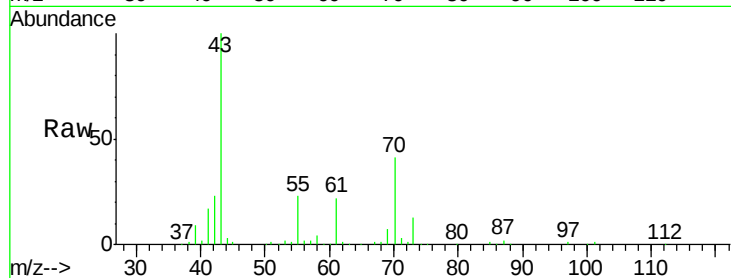
#47  
n-amvl Acetate  
Concen: 22.75 ug/l  
RT: 10.91 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
Client Sampled :  
VX0222WBSD01

Tot Ion: 43 Resp: 72092  
Ion Ratio Lower Upper  
43 100  
55 22.9 19.4 29.2

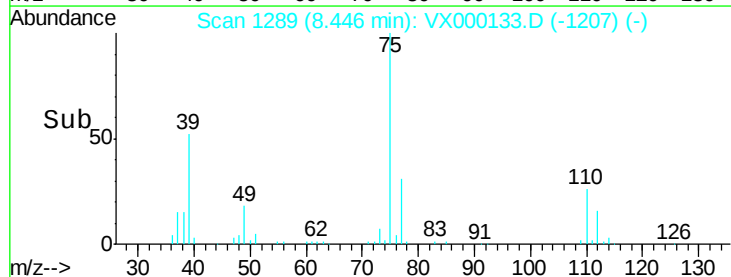
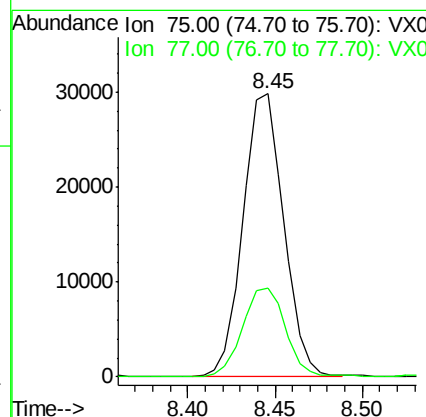
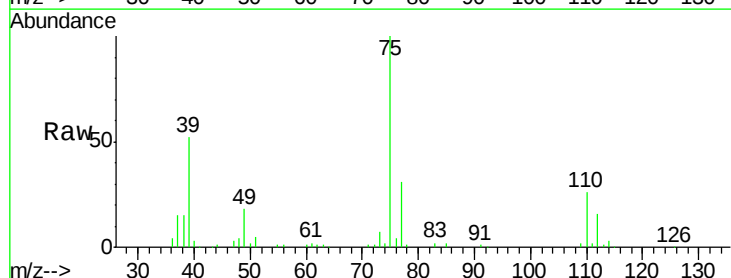
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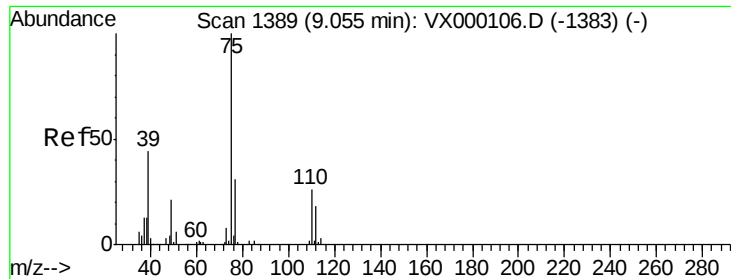
apatel  
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#48  
t-1,3-Dichloropropene  
Concen: 21.60 ug/l  
RT: 8.45 min Scan# 1289  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Tgt Ion: 75 Resp: 48404  
Ion Ratio Lower Upper  
75 100  
77 31.4 24.6 37.0





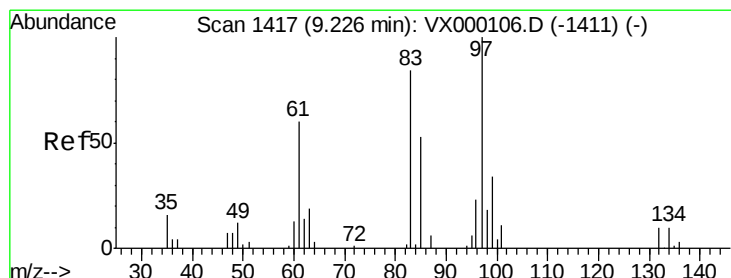
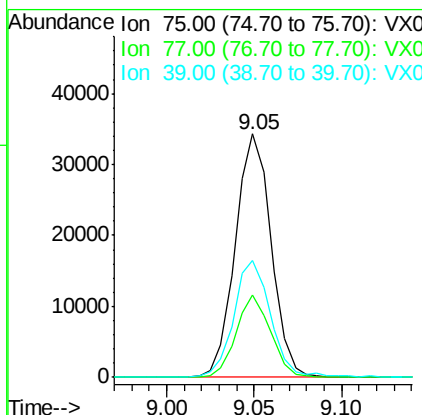
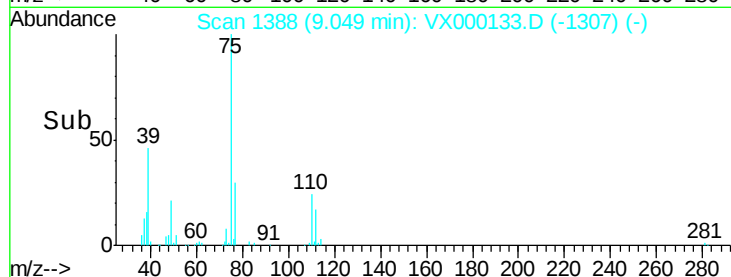
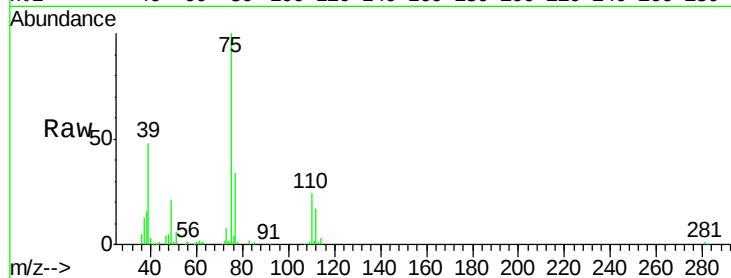
#49  
 cis-1,3-Dichloropropene  
 Concen: 22.48 ug/l  
 RT: 9.05 min Scan# 1388  
 Delta R.T. -0.01 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Instrument :  
 ClientSampled :  
 VX0222WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 33.3  | 24.5  | 36.7  |
| 39      | 47.4  | 35.6  | 53.4  |

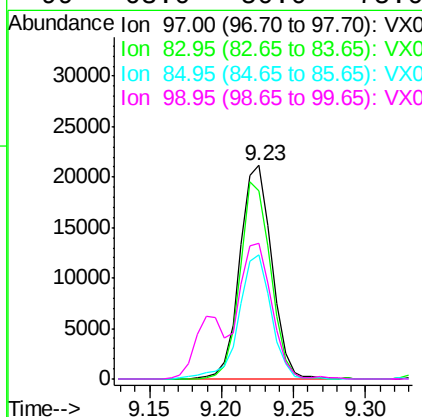
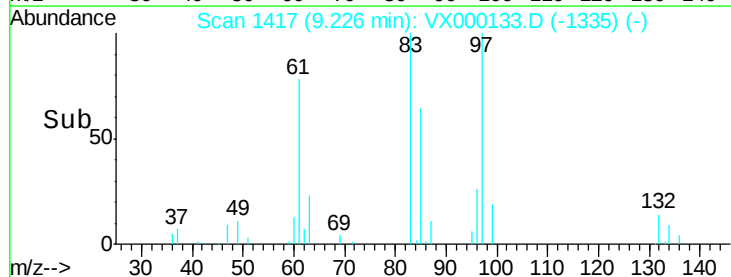
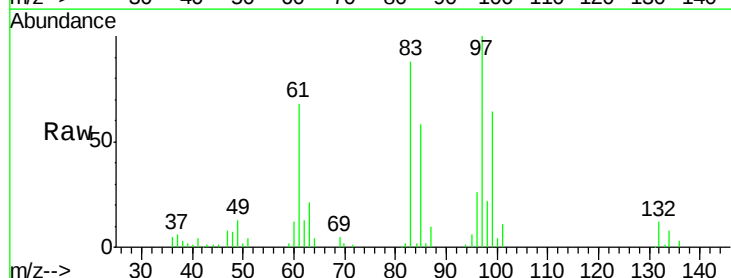
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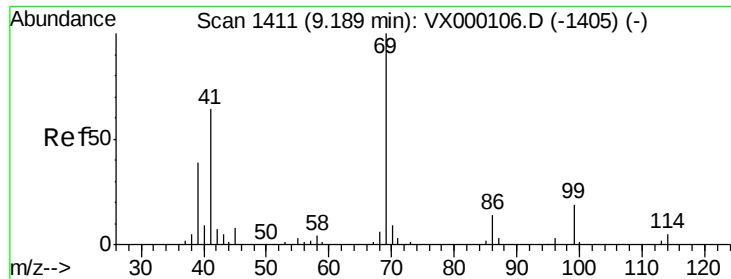
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#50  
 1,1,2-Trichloroethane  
 Concen: 21.95 ug/l  
 RT: 9.23 min Scan# 1417  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 88.0  | 66.9  | 100.3 |
| 85      | 58.3  | 44.4  | 66.6  |
| 99      | 63.0  | 50.0  | 75.0  |





#51

Ethyl methacrylate

Concen: 21.25 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

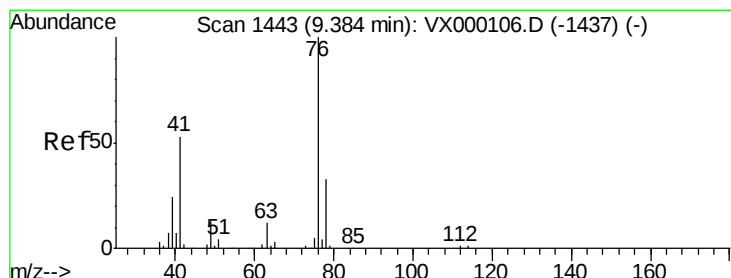
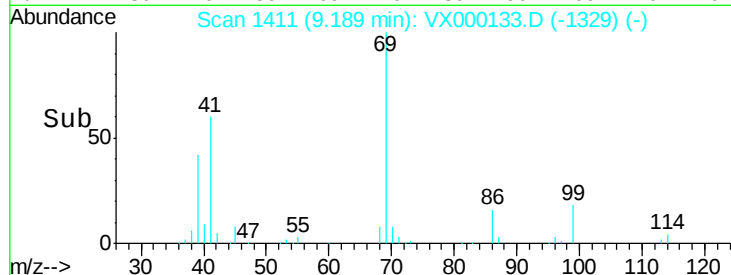
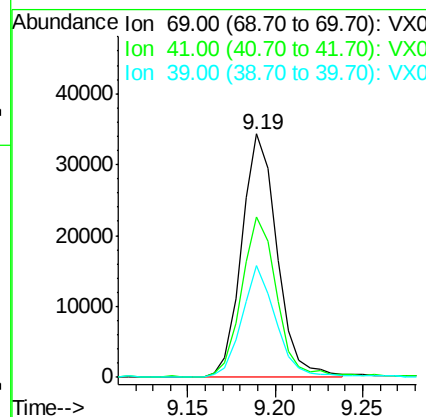
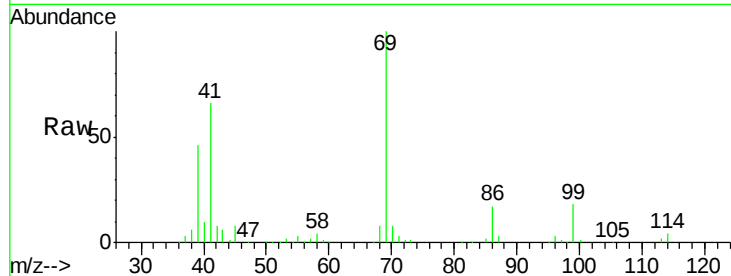
ClientSampled :

VX0222WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 69    | Resp: | 48422 |
| Ion Ratio | Lower | Upper |       |
| 69        | 100   |       |       |
| 41        | 66.1  | 32.1  | 96.3  |
| 39        | 45.9  | 19.6  | 58.7  |

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#52

1,3-Dichloropropane

Concen: 22.60 ug/l

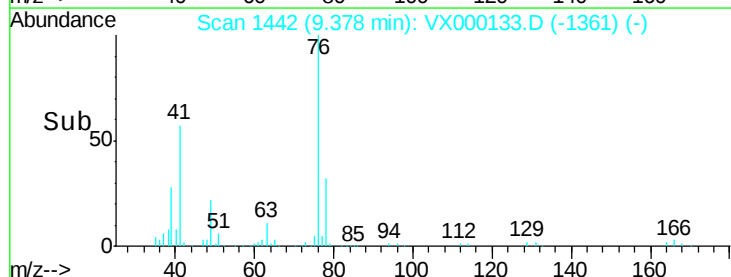
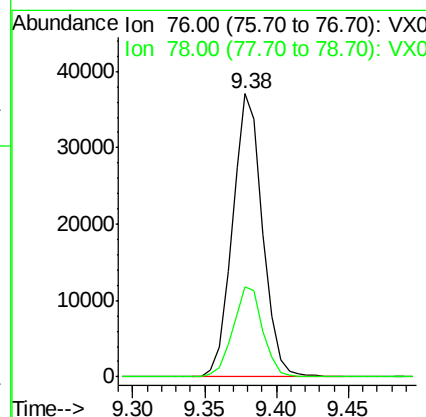
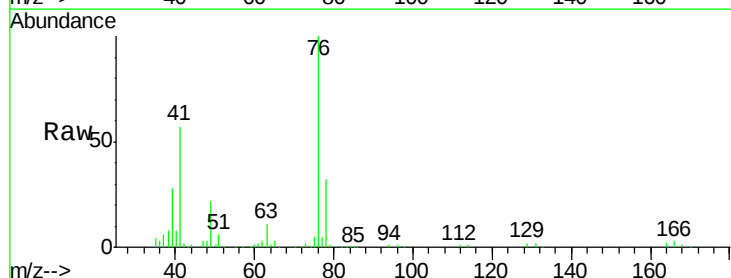
RT: 9.38 min Scan# 1442

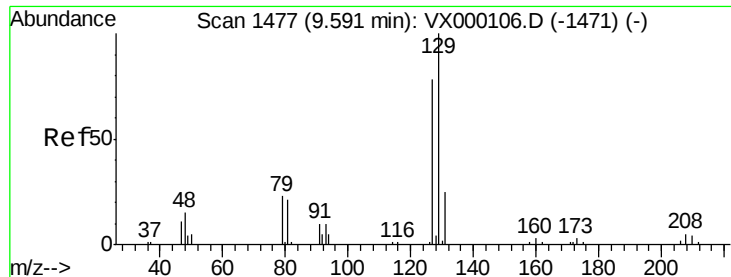
Delta R.T. -0.01 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 76    | Resp: | 53899 |
| Ion Ratio | Lower | Upper |       |
| 76        | 100   |       |       |
| 78        | 31.8  | 0.0   | 65.0  |





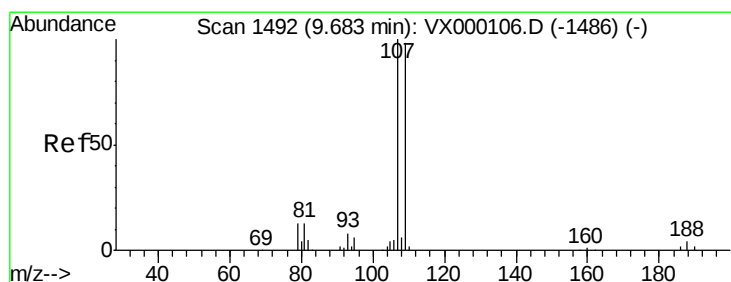
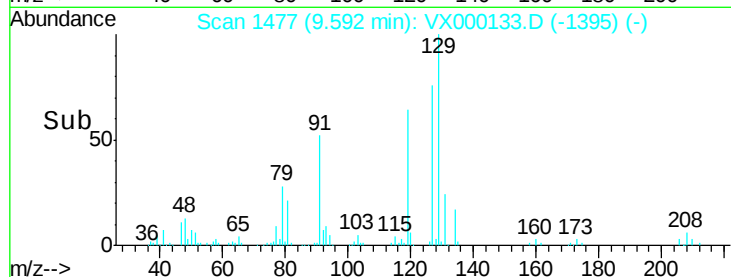
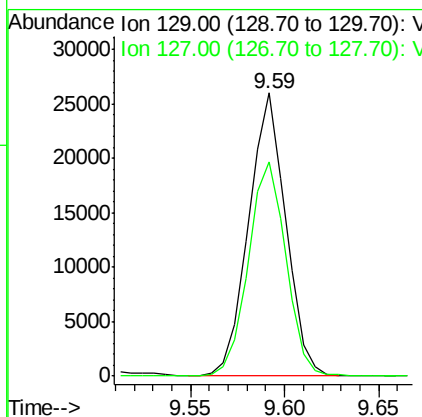
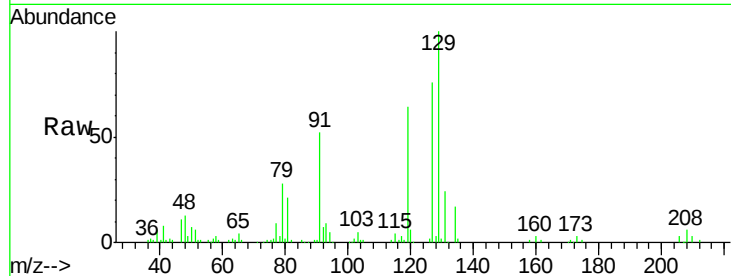
#53  
Dibromochloromethane  
Concen: 21.35 ug/l  
RT: 9.59 min Scan# 1477  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampled :  
VX0222WBSD01

Tot Ion:129 Resp: 35329  
Ion Ratio Lower Upper  
129 100  
127 77.0 37.5 112.5

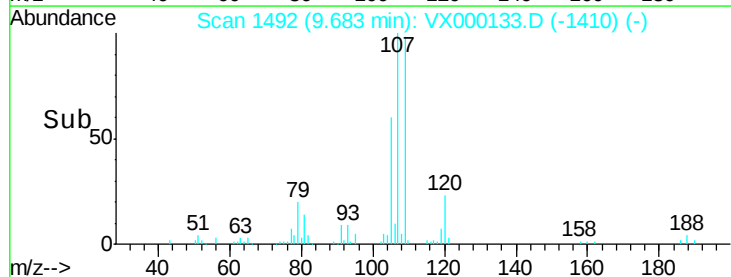
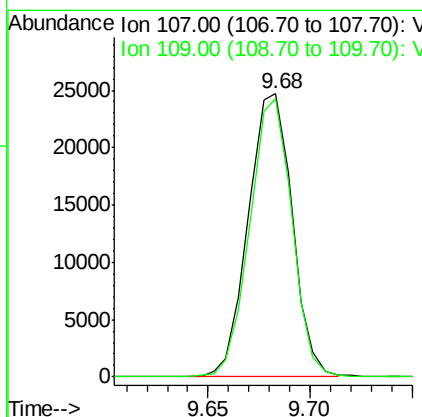
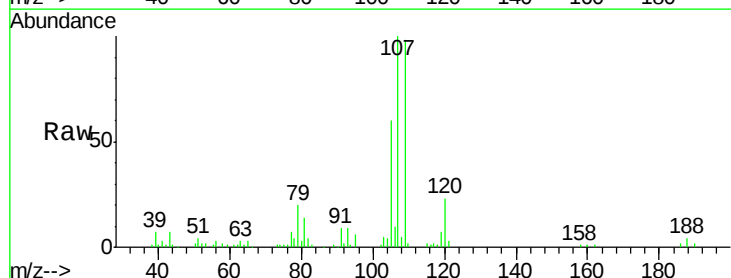
Manual Integrations  
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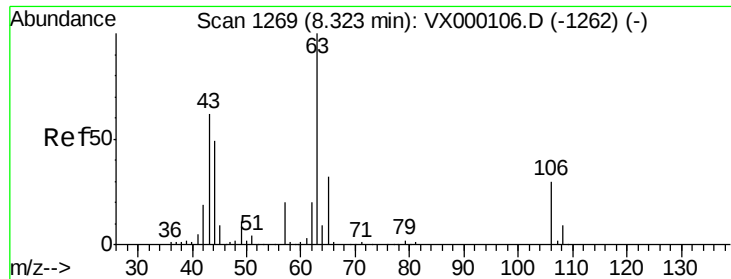
apatel  
2/23/2018 3:52:21 PM



#54  
1,2-Dibromoethane  
Concen: 22.35 ug/l  
RT: 9.68 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Tgt Ion:107 Resp: 37054  
Ion Ratio Lower Upper  
107 100  
109 94.2 74.5 111.7





#55

2-Chloroethyl vinyl ether

Concen: 111.39 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

ClientSampled :

VX0222WBSD01

Tot Ion: 63 Resp: 110820

Ion Ratio Lower Upper

63 100

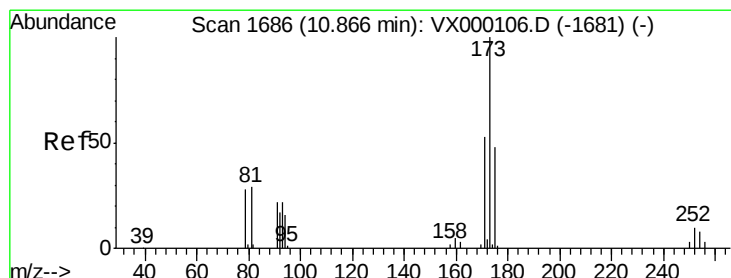
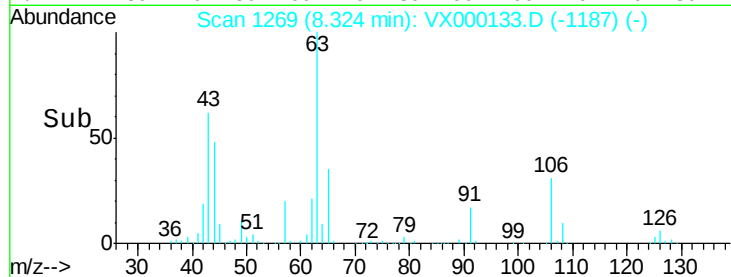
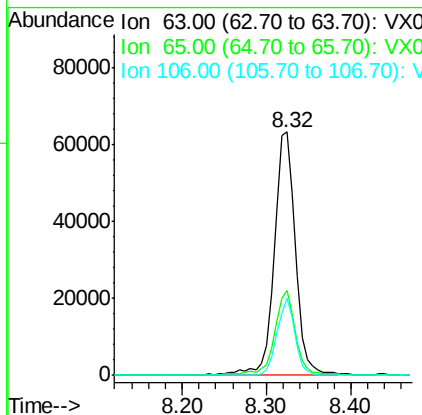
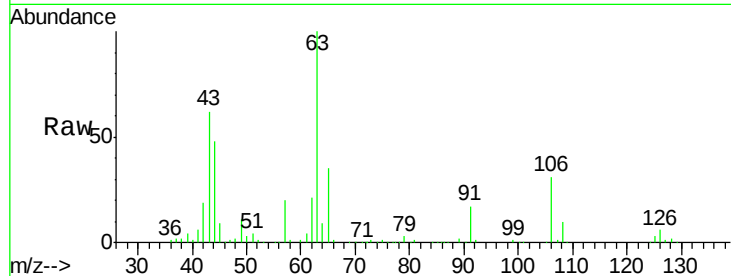
65 33.9 25.8 38.8

106 26.8 23.8 35.6

Manual Integrations  
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#56

Bromoform

Concen: 20.16 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

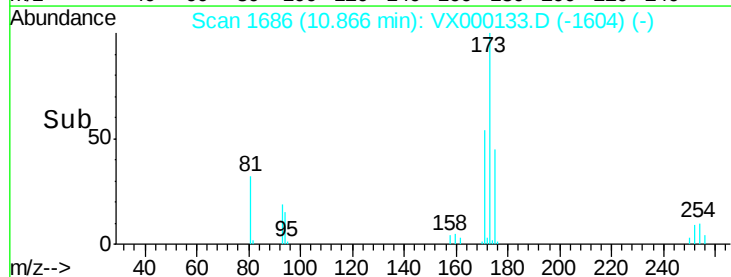
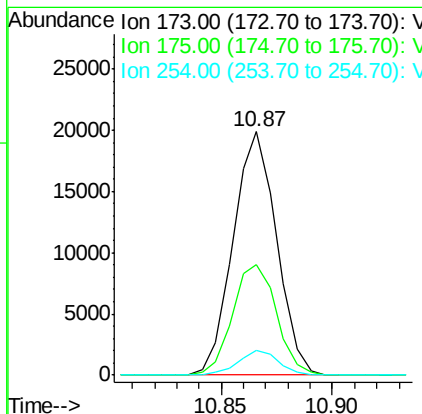
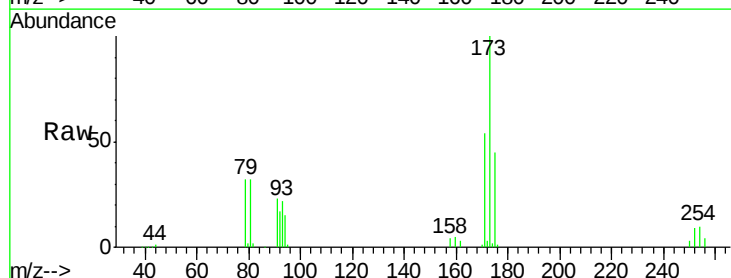
Tgt Ion: 173 Resp: 27009

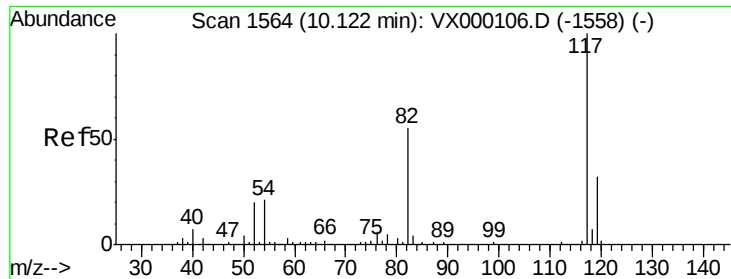
Ion Ratio Lower Upper

173 100

175 46.0 39.0 58.4

254 9.5 7.0 10.4





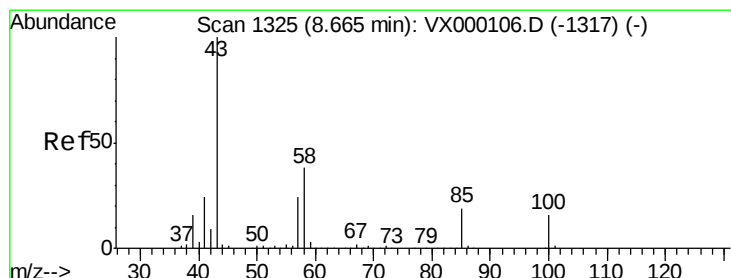
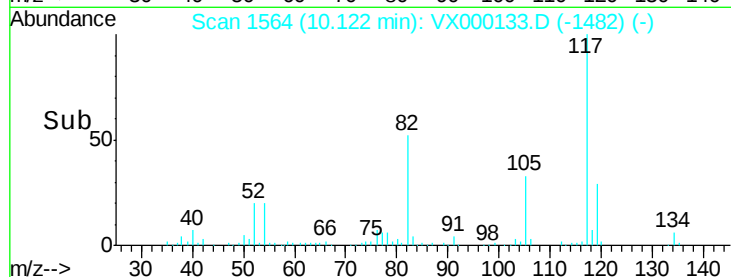
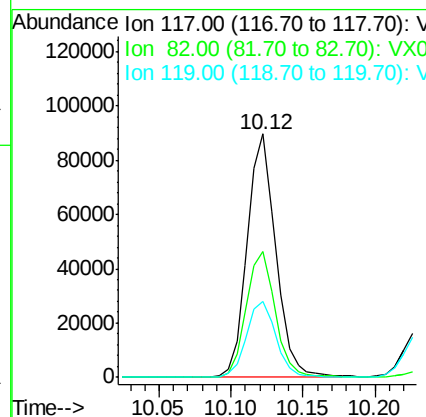
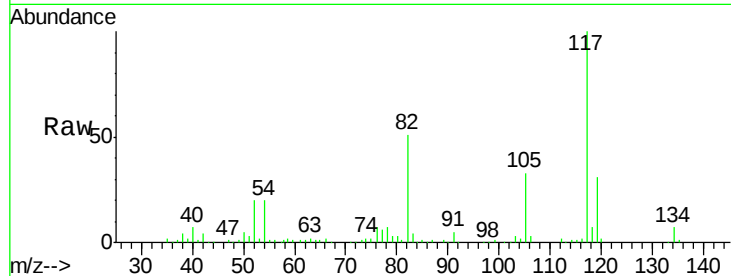
#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampled :  
VX0222WBSD01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 117     | 100   |            |       |
| 82      | 52.8  | 43.0       | 64.4  |
| 119     | 32.2  | 25.8       | 38.8  |

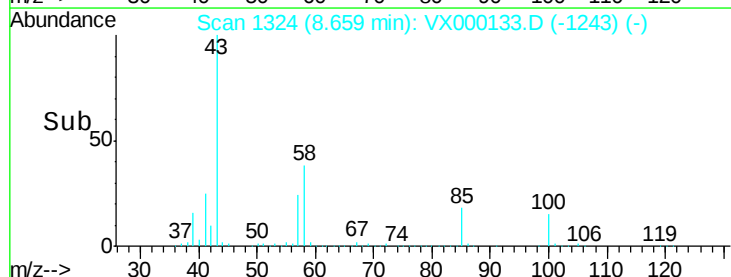
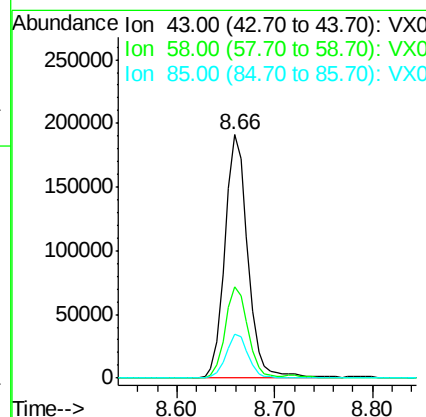
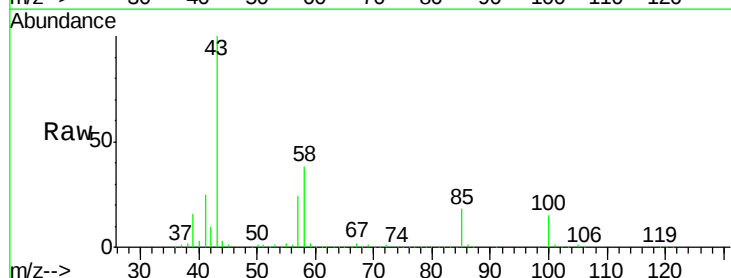
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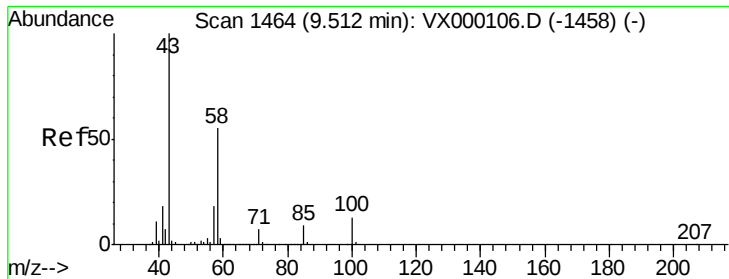
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#58  
4-Methyl-2-Pentanone  
Concen: 115.43 ug/l  
RT: 8.66 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 43      | 100   |            |       |
| 58      | 37.2  | 29.8       | 44.8  |
| 85      | 17.3  | 14.9       | 22.3  |





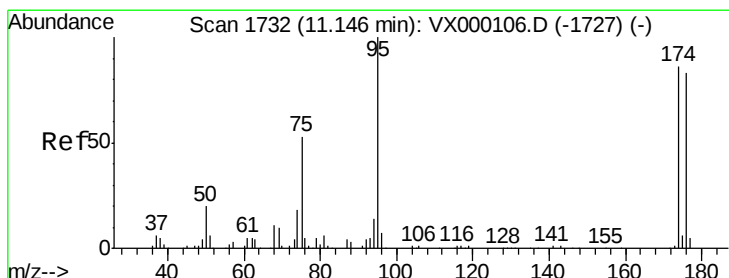
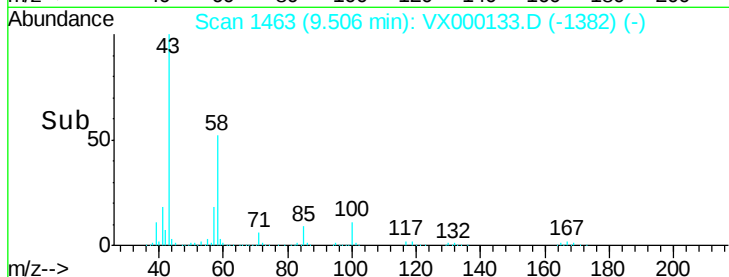
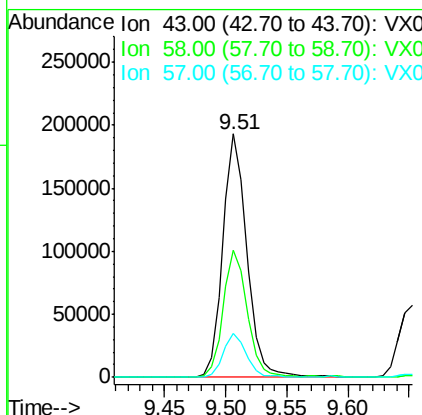
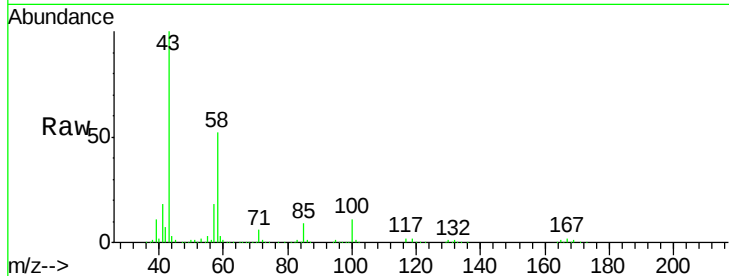
#59  
2-Hexanone  
Concen: 115.54 ug/l  
RT: 9.51 min Scan# 1463  
Delta R.T. -0.01 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampled :  
VX0222WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 264270 |       |       |
| 58      | 52.0  |        | 43.0  | 64.6  |
| 57      | 17.6  |        | 14.4  | 21.6  |

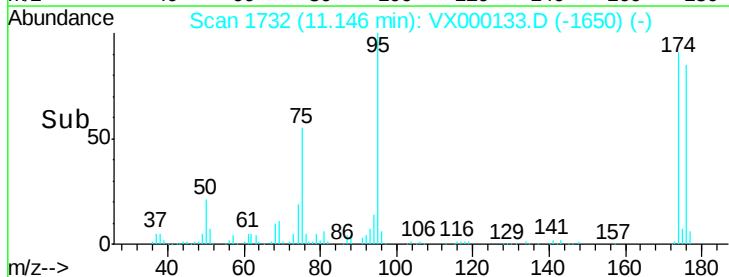
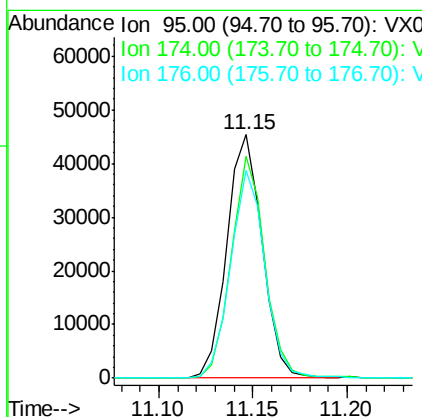
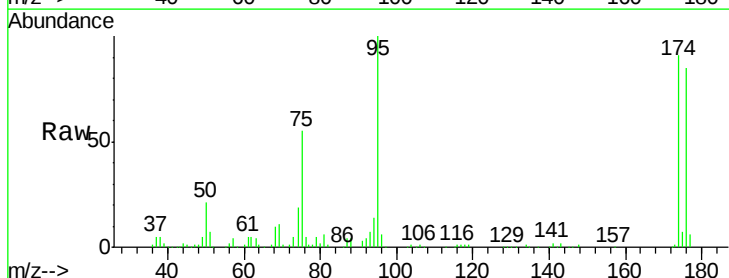
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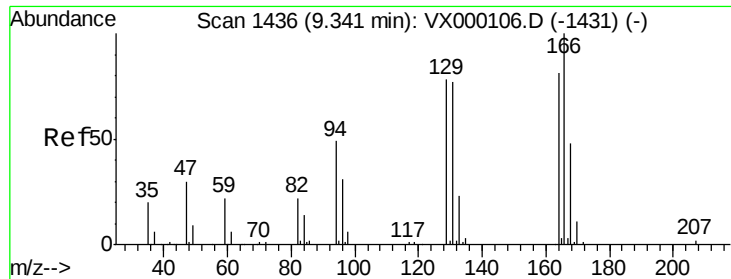
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#60  
4-Bromofluorobenzene  
Concen: 29.32 ug/l  
RT: 11.15 min Scan# 1732  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 95      | 100   | 59146 |       |       |
| 174     | 86.7  |       | 71.1  | 106.7 |
| 176     | 82.8  |       | 69.3  | 103.9 |





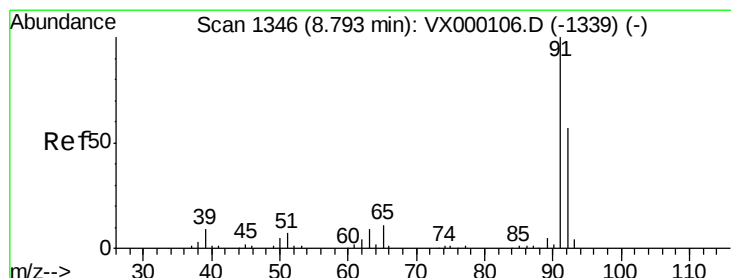
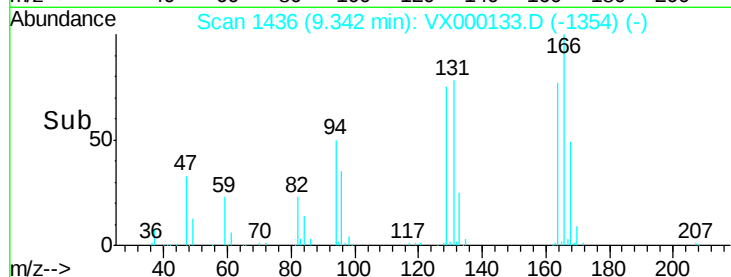
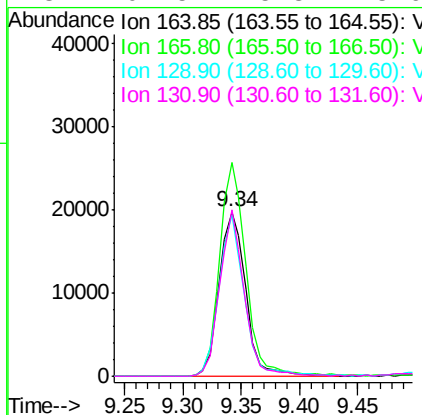
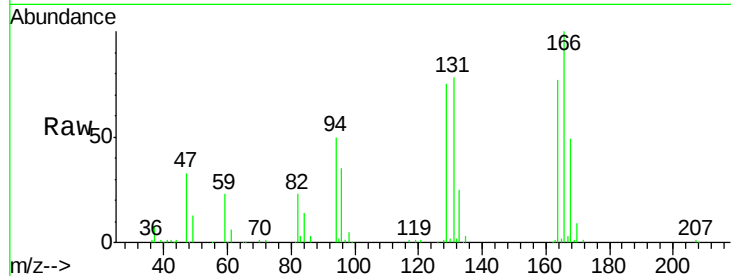
#61  
 Tetrachloroethene  
 Concen: 20.81 ug/l  
 RT: 9.34 min Scan# 1436  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Instrument :  
 ClientSampled :  
 VX0222WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 31155 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 130.1 | 99.0  | 148.4 |
| 129      | 97.9  | 77.0  | 115.6 |
| 131      | 101.5 | 75.8  | 113.6 |

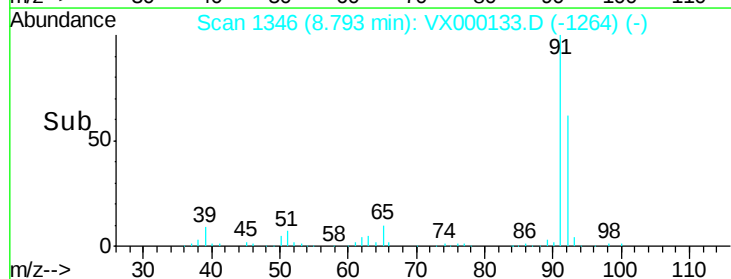
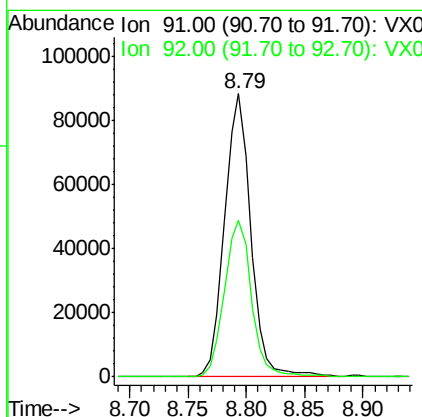
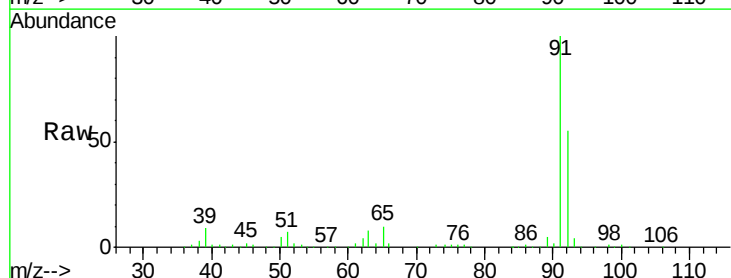
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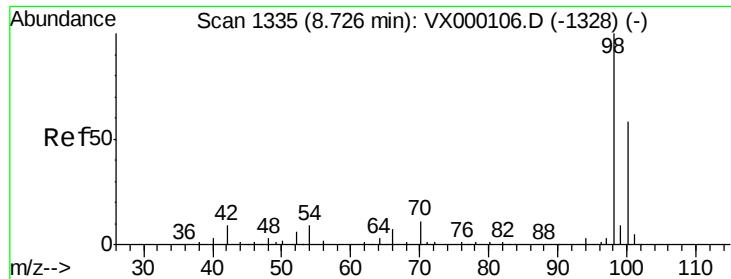
apatel  
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#62  
 Toluene  
 Concen: 21.61 ug/l  
 RT: 8.79 min Scan# 1346  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 138635 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 57.2  | 45.4  | 68.0   |





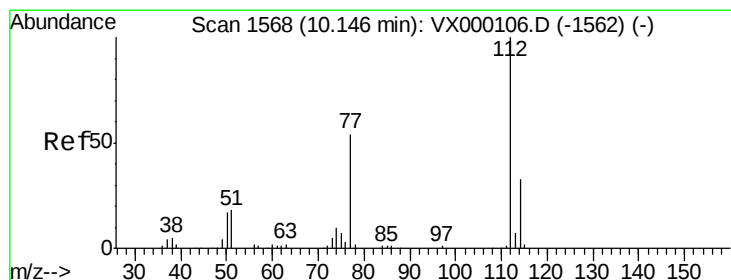
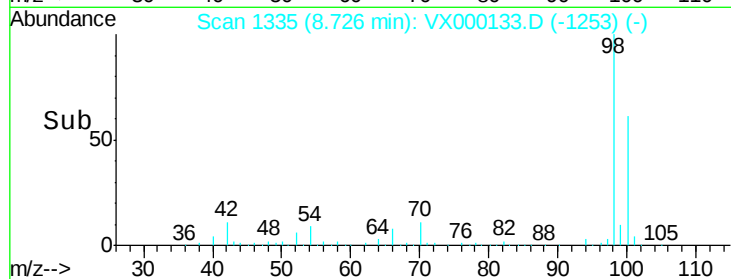
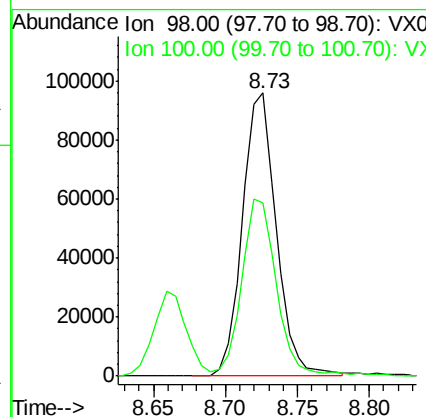
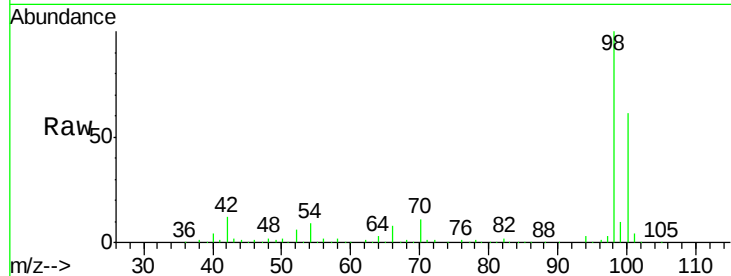
#63  
Toluene-d8  
Concen: 29.64 ug/l  
RT: 8.73 min Scan# 1335  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampled :  
VX0222WBSD01

Tot Ion: 98 Resp: 156559  
Ion Ratio Lower Upper  
98 100  
100 62.1 50.0 75.0

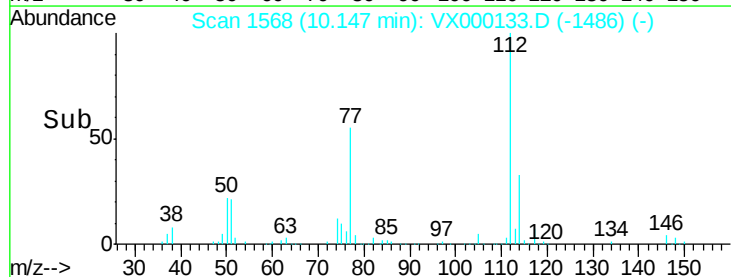
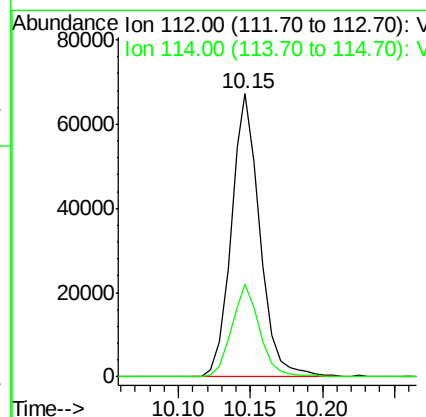
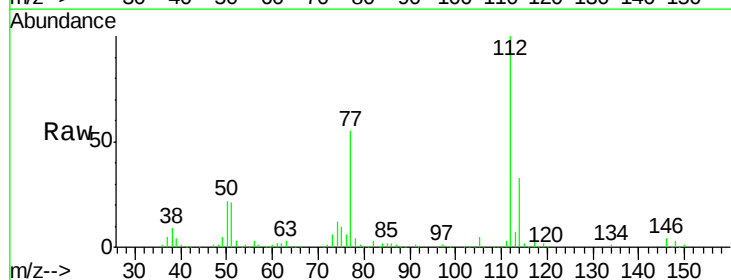
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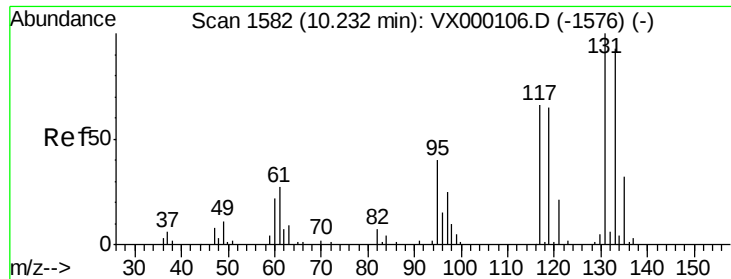
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#64  
Chlorobenzene  
Concen: 21.55 ug/l  
RT: 10.15 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Tgt Ion: 112 Resp: 93428  
Ion Ratio Lower Upper  
112 100  
114 32.7 26.4 39.6





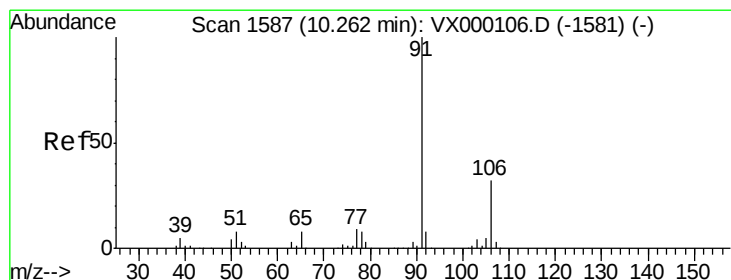
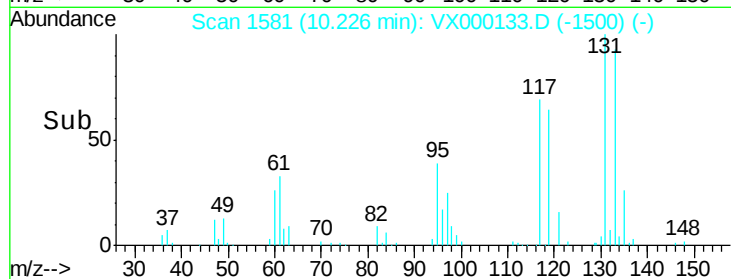
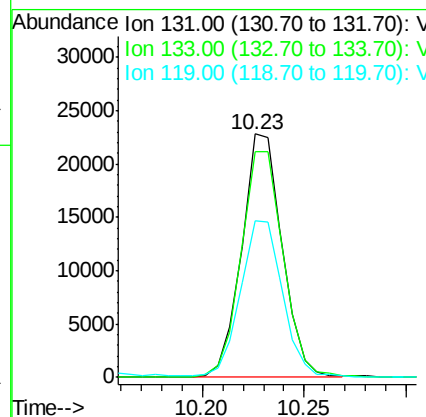
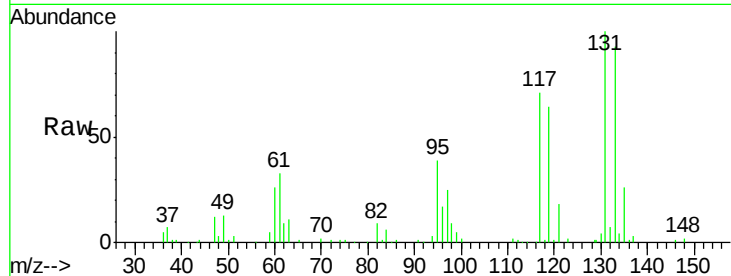
#65  
 1,1,1,2-Tetrachloroethane  
 Concen: 20.36 ug/l  
 RT: 10.23 min Scan# 1581  
 Delta R.T. -0.01 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Instrument :  
 ClientSampled :  
 VX0222WBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 131     | 100   | 31275 |       |       |
| 133     | 96.8  | 0.0   | 187.6 |       |
| 119     | 66.3  | 0.0   | 134.0 |       |

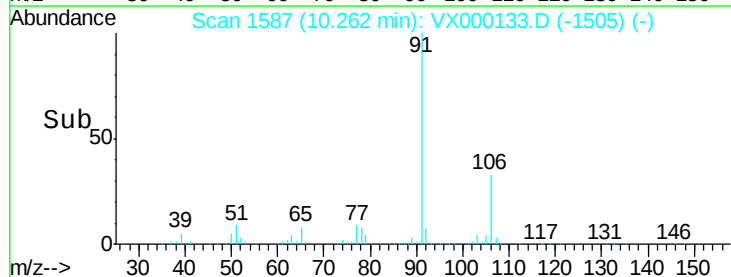
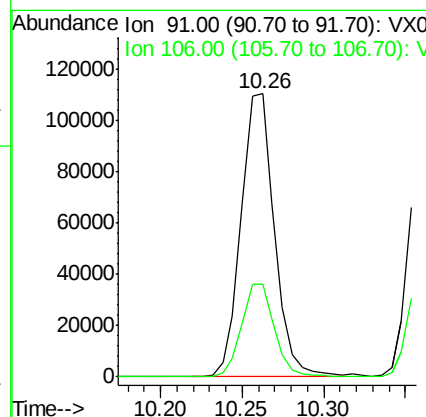
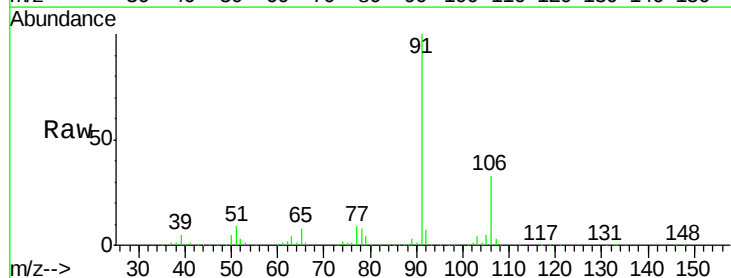
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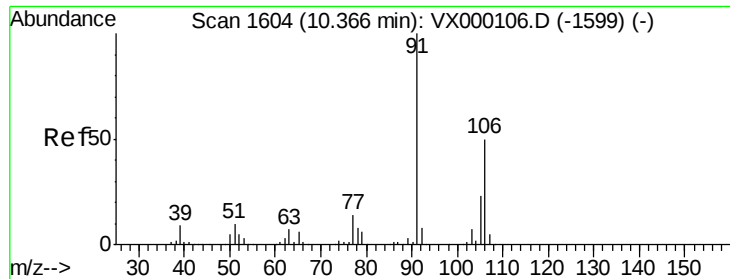
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#66  
 Ethyl Benzene  
 Concen: 21.54 ug/l  
 RT: 10.26 min Scan# 1587  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 157729 |       |       |
| 106     | 32.8  | 25.9   | 38.9  |       |





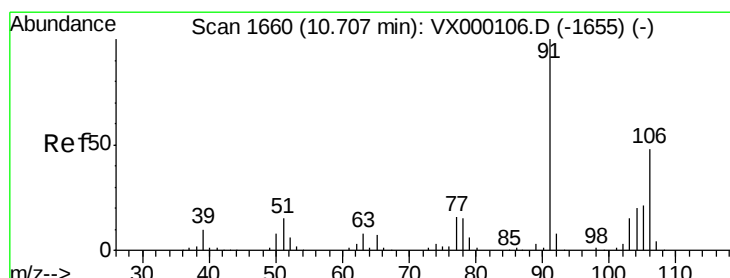
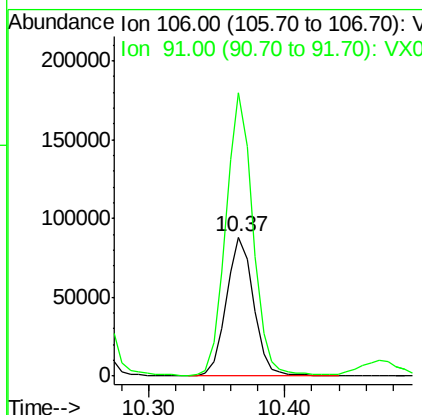
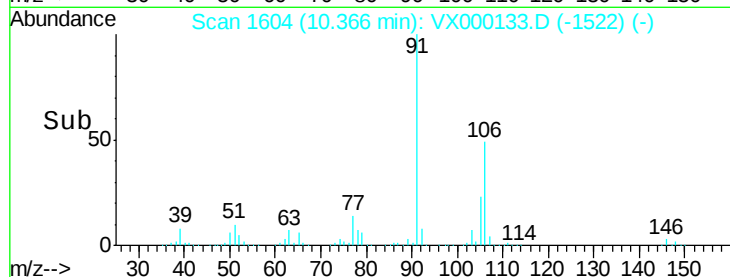
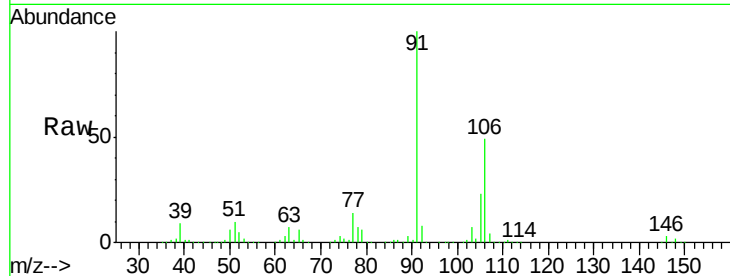
#67  
m/p-Xvlenes  
Concen: 42.71 ug/l  
RT: 10.37 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampled :  
VX0222WBSD01

Tot Ion:106 Resp: 122628  
Ion Ratio Lower Upper  
106 100  
91 203.0 161.6 242.4

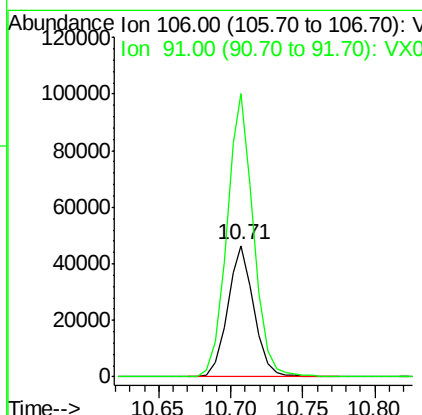
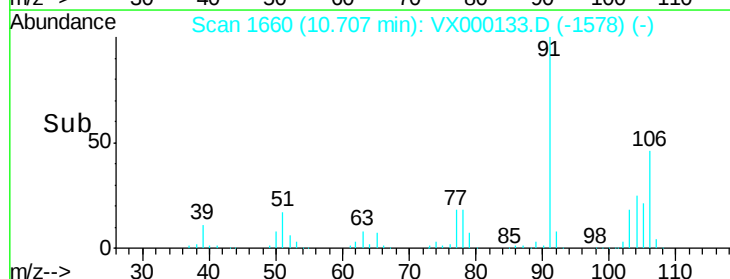
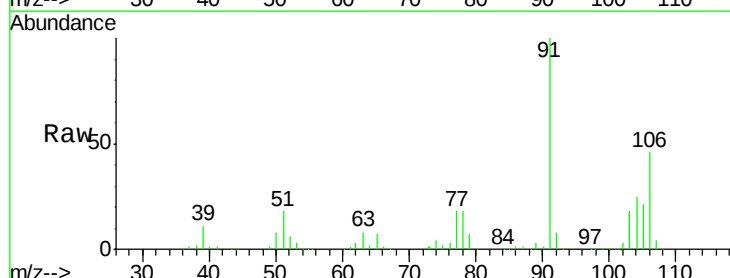
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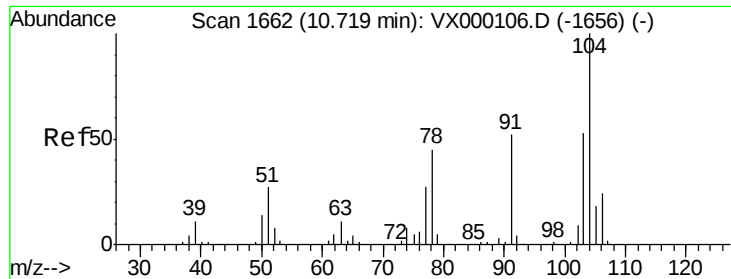
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#68  
o-Xylene  
Concen: 21.30 ug/l  
RT: 10.71 min Scan# 1660  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Tgt Ion:106 Resp: 59413  
Ion Ratio Lower Upper  
106 100  
91 217.2 105.6 316.8





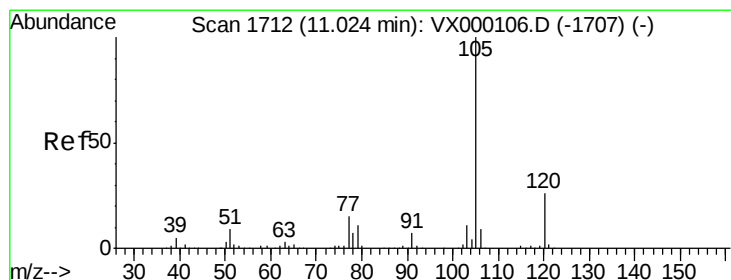
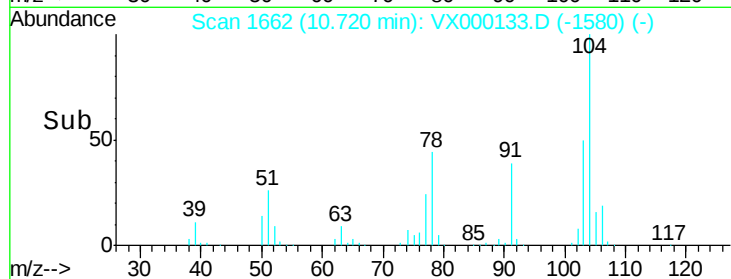
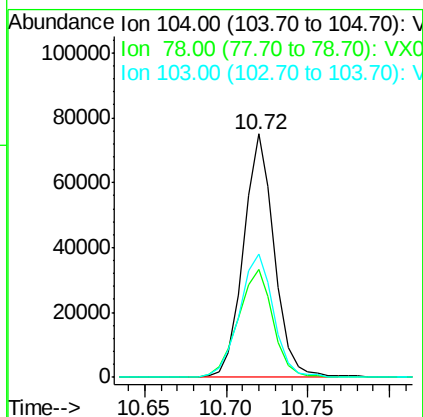
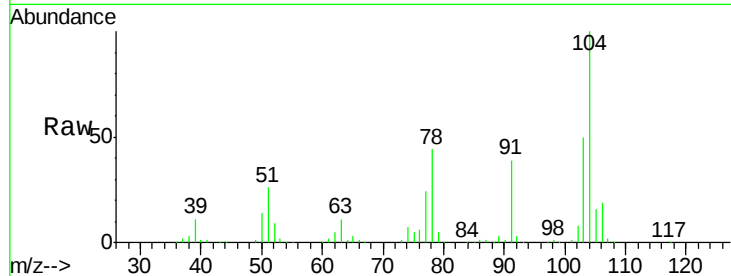
#69  
Stvrene  
Concen: 21.31 ug/l  
RT: 10.72 min Scan# 1662  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampled :  
VX0222WBSD01

Tot Ion:104 Resp: 98437  
Ion Ratio Lower Upper  
104 100  
78 50.8 39.0 58.4  
103 56.6 44.7 67.1

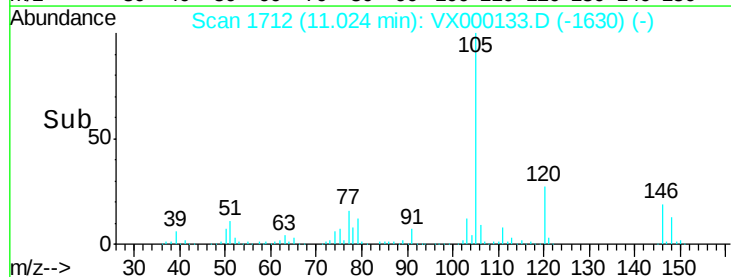
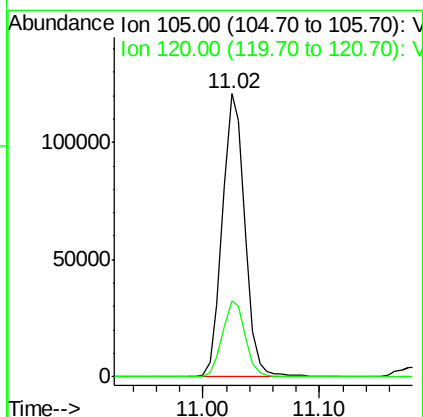
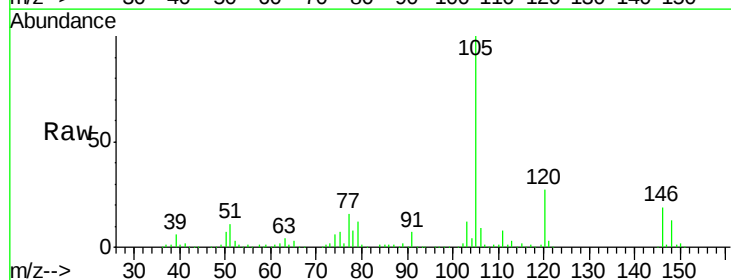
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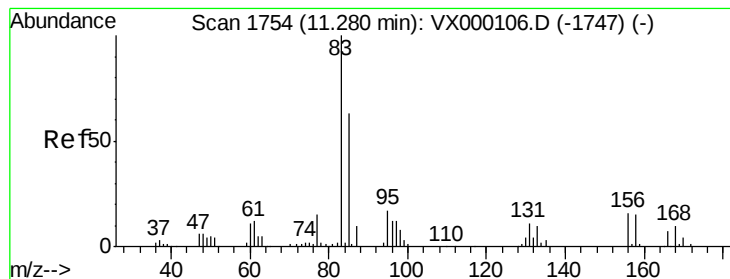
apatel  
2/23/2018 3:52:21 PM



#70  
Isopropylbenzene  
Concen: 21.36 ug/l  
RT: 11.02 min Scan# 1712  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Tgt Ion:105 Resp: 160992  
Ion Ratio Lower Upper  
105 100  
120 27.0 18.8 35.0





#71

1,1,2,2-Tetrachloroethane

Concen: 22.09 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.01 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

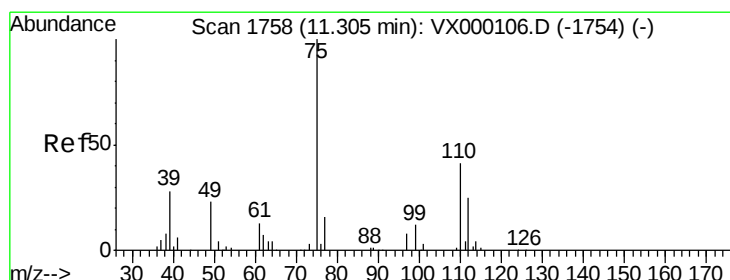
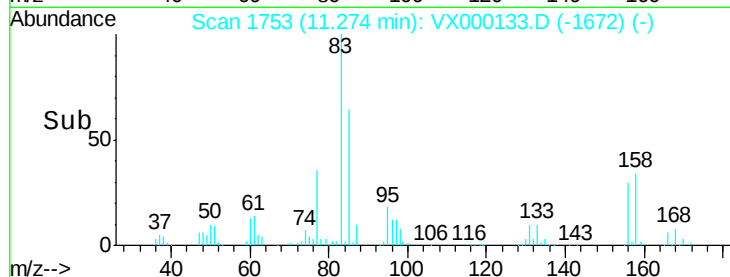
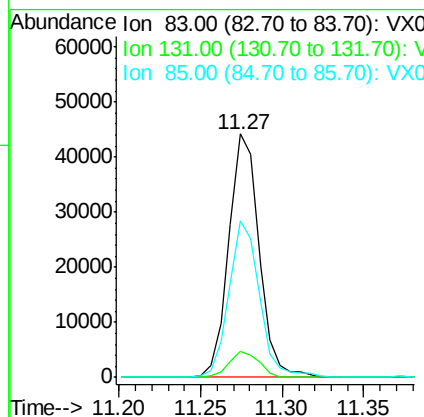
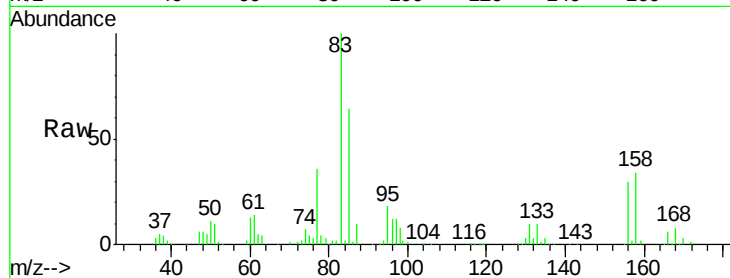
ClientSampled :

VX0222WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 57299 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.5  | 5.3   | 16.1  |
| 85        | 64.5  | 32.5  | 97.5  |

Manual Integrations  
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apatel  
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#72

1,2,3-Trichloropropane

Concen: 22.88 ug/l m

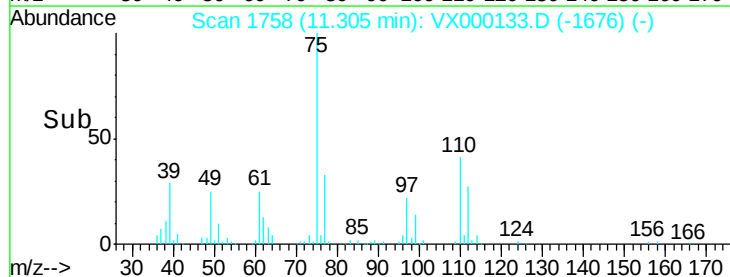
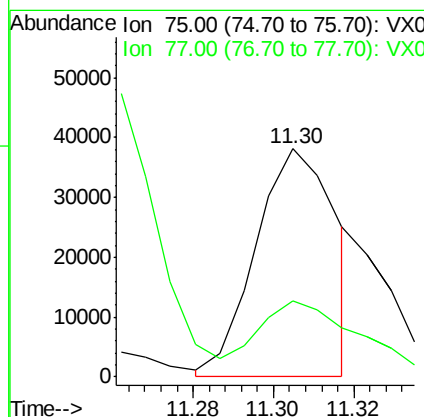
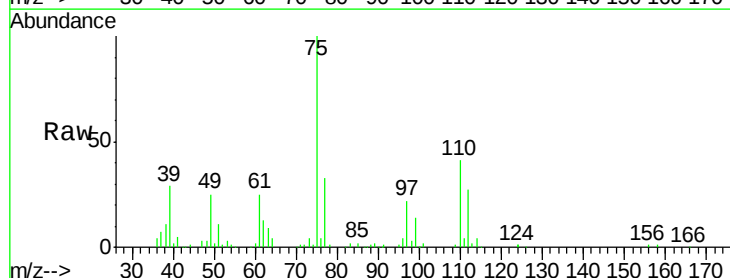
RT: 11.30 min Scan# 1758

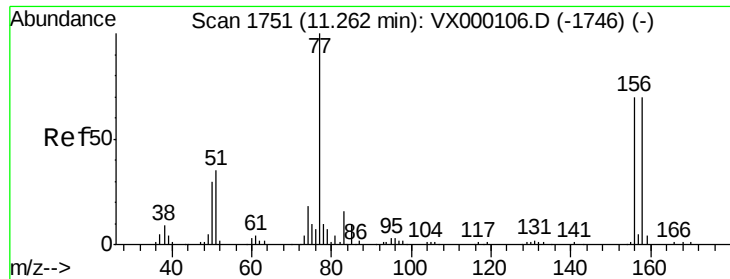
Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 53238 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 42.6  | 0.0   | 85.8  |





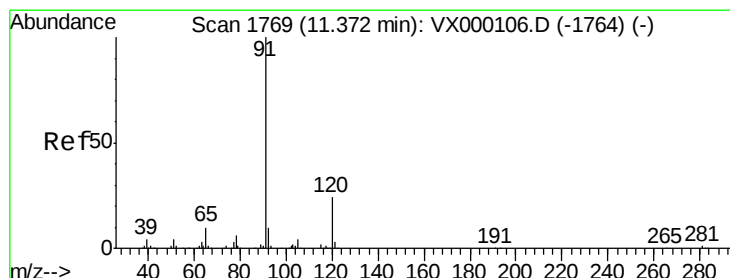
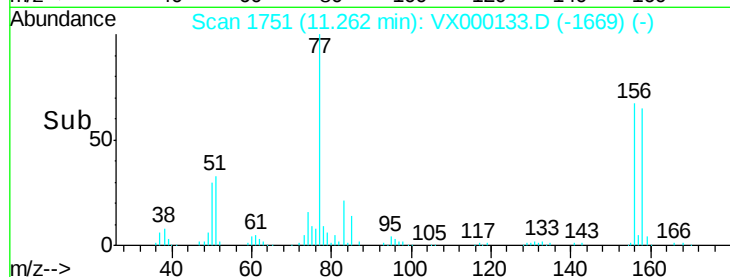
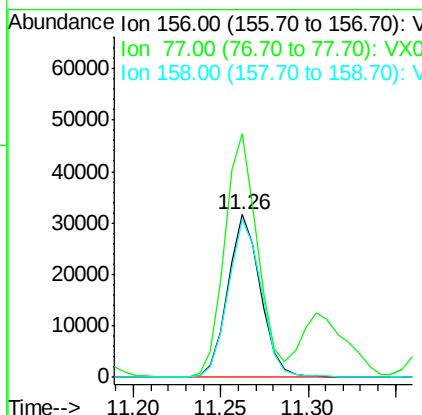
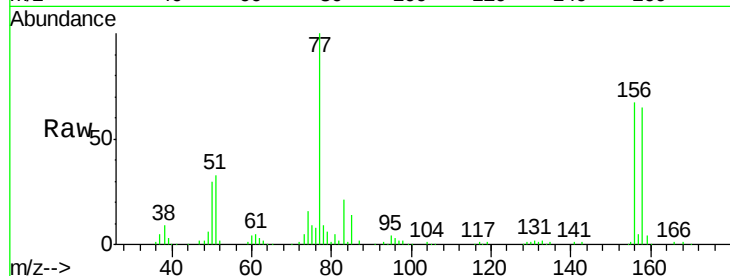
#73  
Bromobenzene  
Concen: 20.80 ug/l  
RT: 11.26 min Scan# 1751  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampled :  
VX0222WBSD01

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 156     | 100   |       | 41111 |       |       |
| 77      | 151.2 | 0.0   | 280.2 |       |       |
| 158     | 99.5  | 0.0   | 197.2 |       |       |

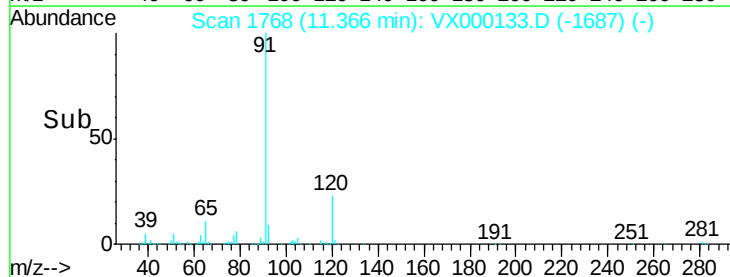
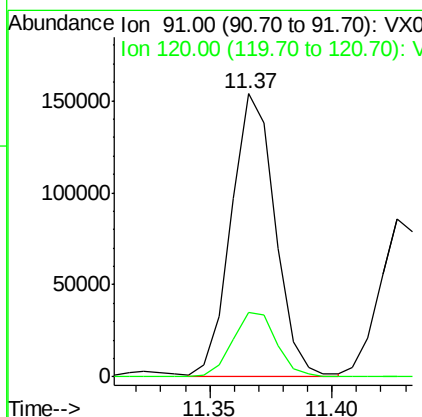
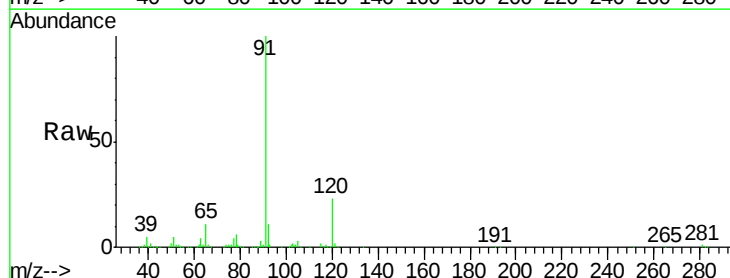
Manual Integrations  
APPROVED

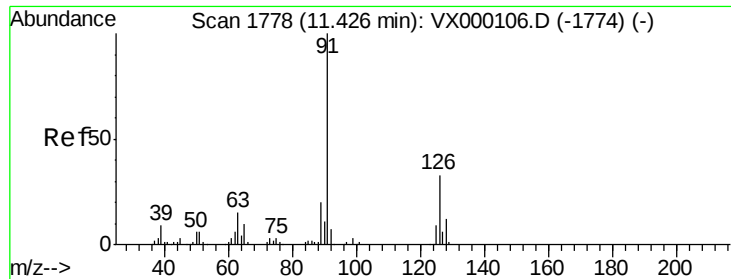
apatel  
2/23/2018 3:52:21 PM



#74  
n-propylbenzene  
Concen: 21.77 ug/l  
RT: 11.37 min Scan# 1768  
Delta R.T. -0.01 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 192334 |       |       |
| 120     | 23.0 | 0.0   | 47.4   |       |       |





#75

2-Chlorotoluene

Concen: 22.13 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

ClientSampled :

VX0222WBSD01

Tot Ion: 91 Resp: 112450

Ion Ratio Lower Upper

91 100

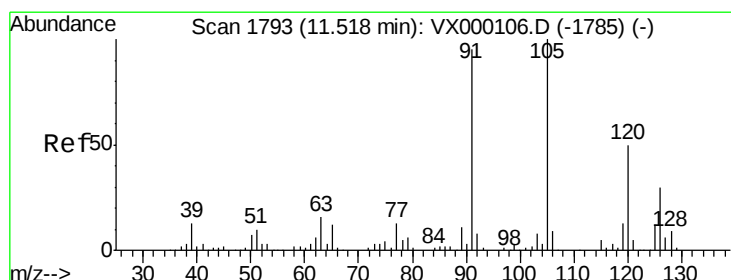
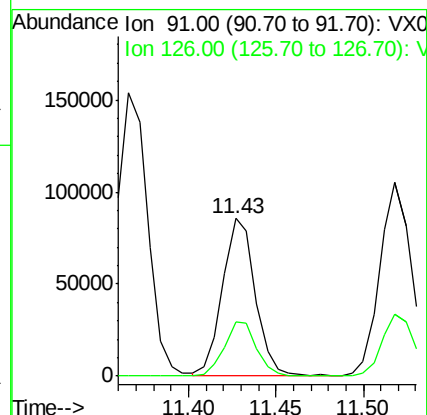
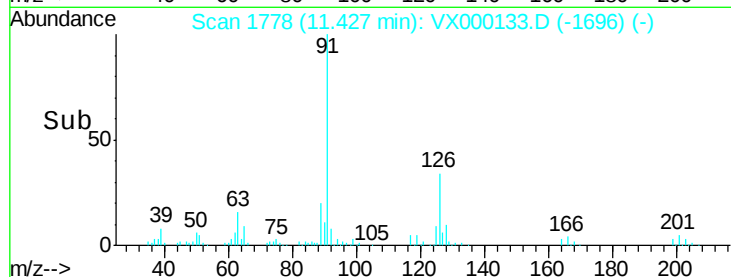
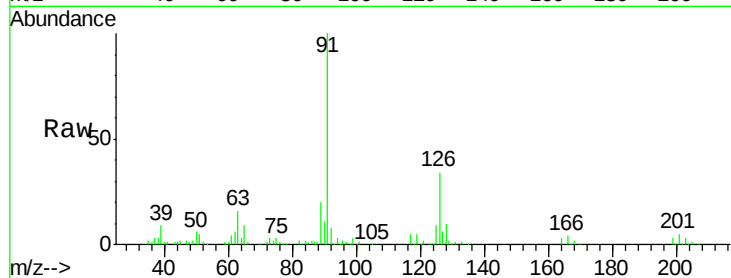
126 33.6 0.0 71.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 21.34 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX000133.D

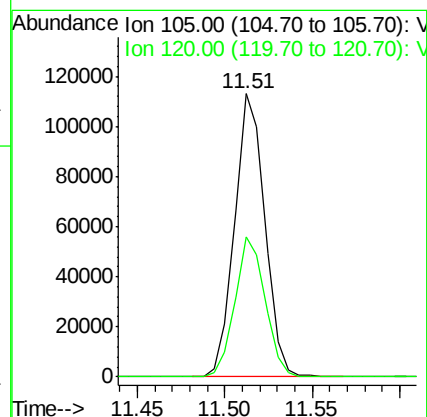
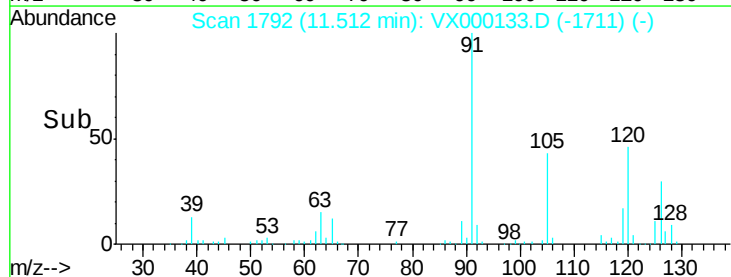
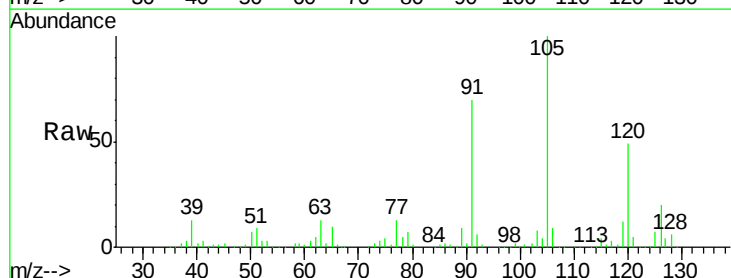
Acq: 22 Feb 2018 17:43

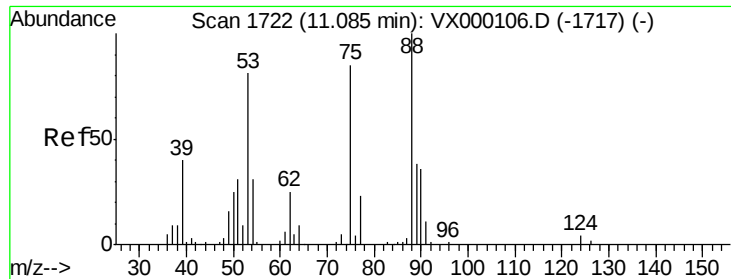
Tgt Ion: 105 Resp: 136317

Ion Ratio Lower Upper

105 100

120 49.0 0.0 63.8





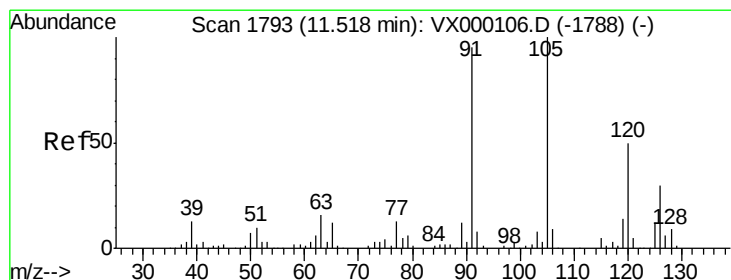
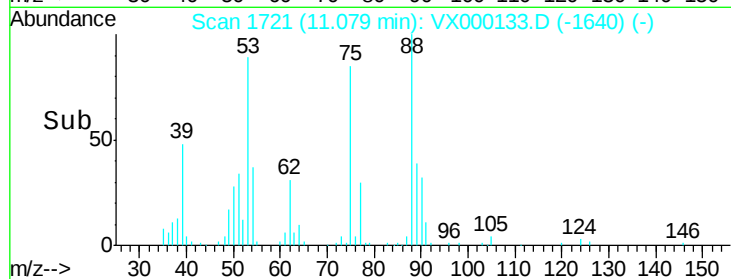
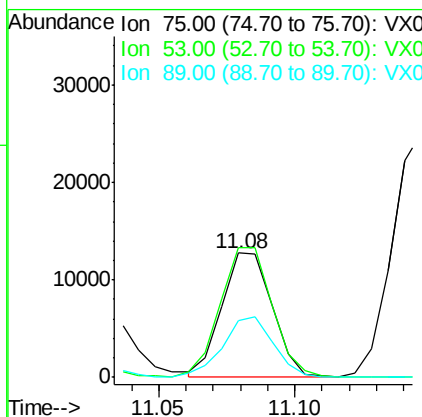
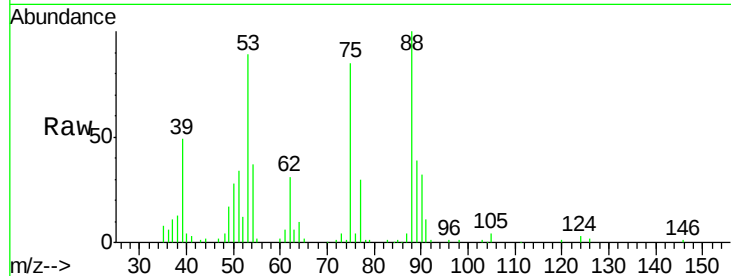
#77  
t-1,4-Dichloro-2-butene  
Concen: 20.05 ug/l  
RT: 11.08 min Scan# 1721  
Delta R.T. -0.01 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampled :  
VX0222WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 105.0 | 47.8  | 143.3 |
| 89      | 46.2  | 22.3  | 66.8  |

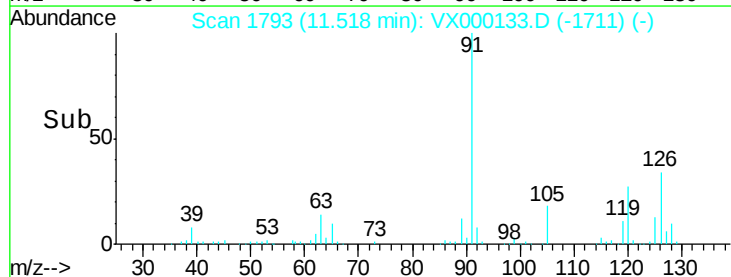
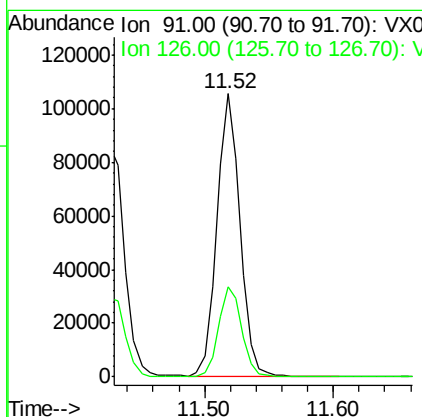
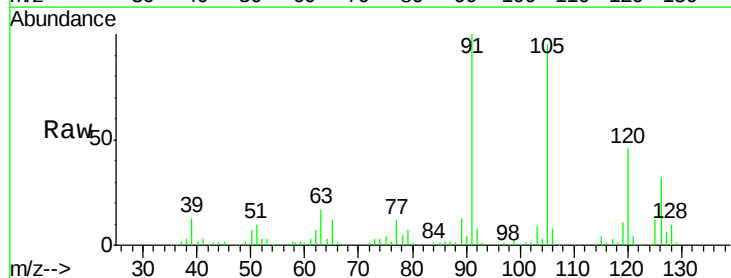
Manual Integrations  
APPROVED

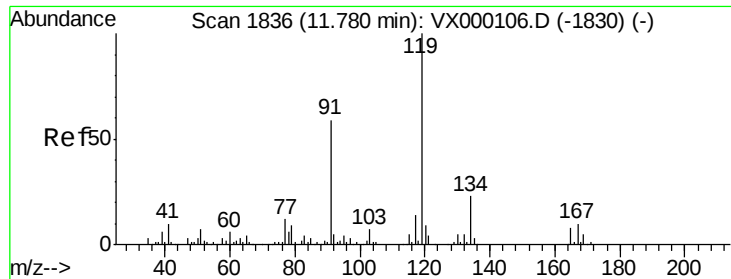
apatel  
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#78  
4-Chlorotoluene  
Concen: 22.01 ug/l  
RT: 11.52 min Scan# 1793  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.8  | 0.0   | 63.4  |





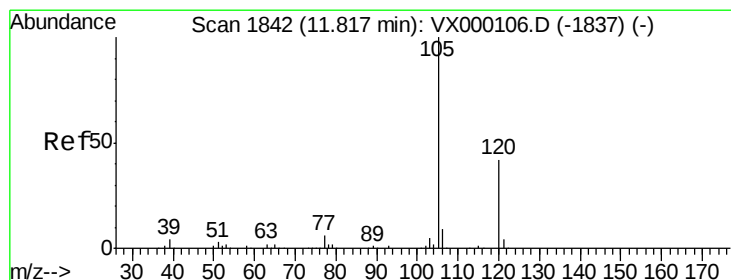
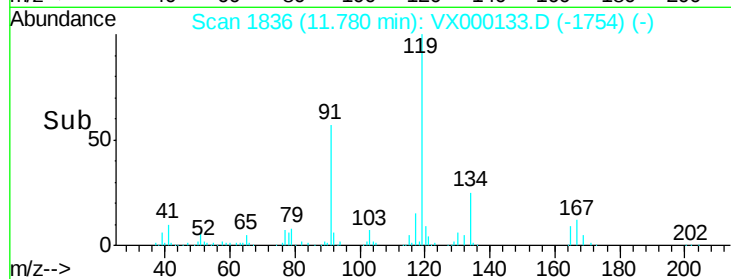
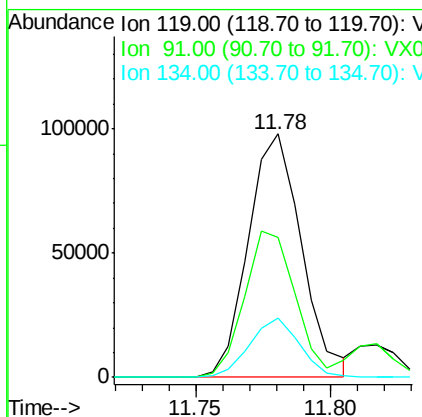
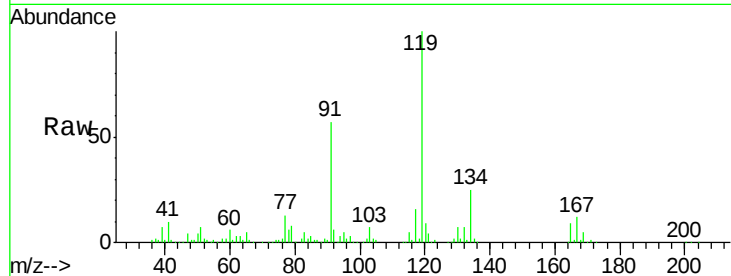
#79  
tert-butylbenzene  
Concen: 21.12 ug/l m  
RT: 11.78 min Scan# 1836  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
ClientSampled :  
VX0222WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 134275 |       |       |
| 91      | 27.2  | 0.0    | 51.6  |       |
| 134     | 29.0  | 0.0    | 60.2  |       |

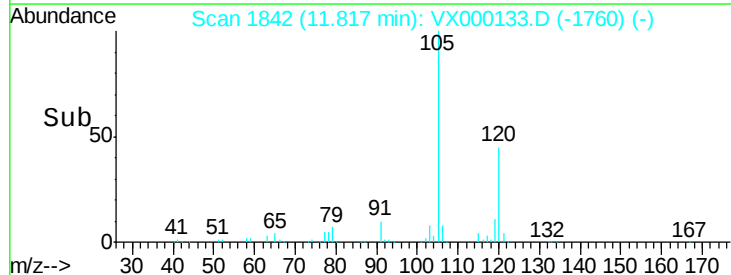
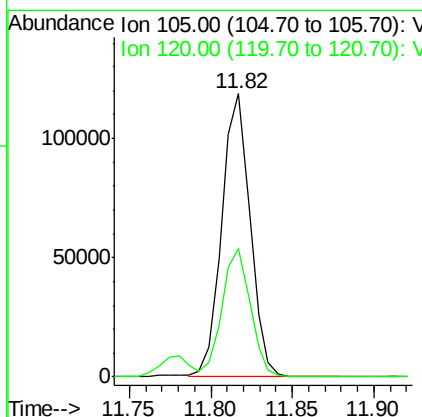
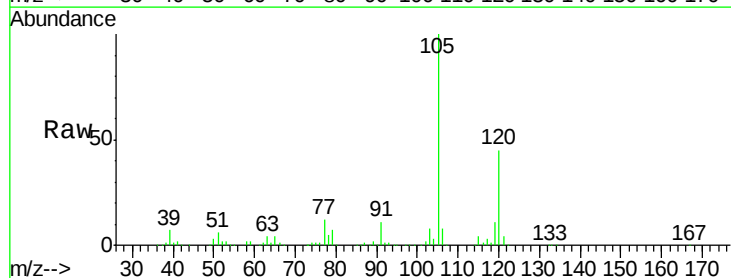
Manual Integrations  
APPROVED

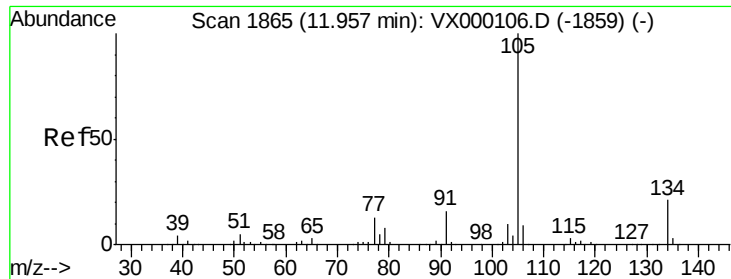
apatel  
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#80  
1,2,4-Trimethylbenzene  
Concen: 22.07 ug/l  
RT: 11.82 min Scan# 1842  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 143817 |       |       |
| 120     | 45.2  | 0.0    | 93.0  |       |





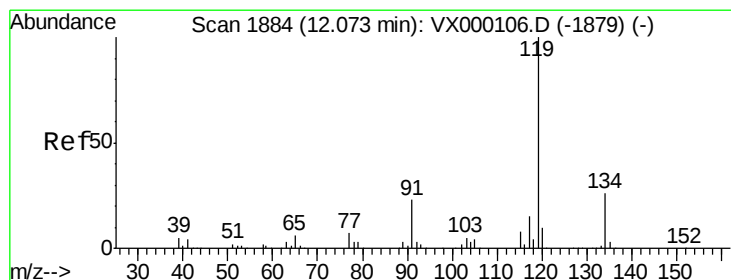
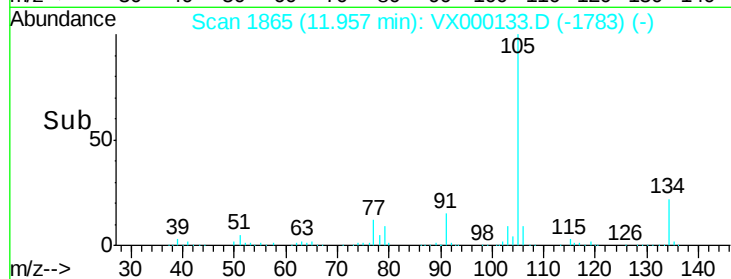
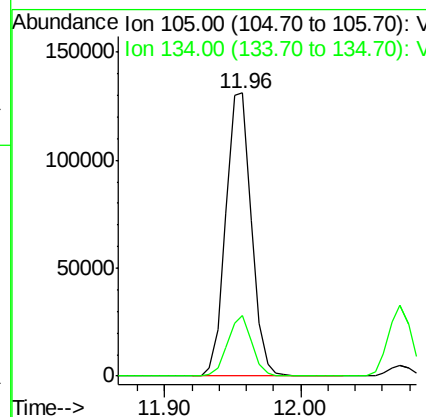
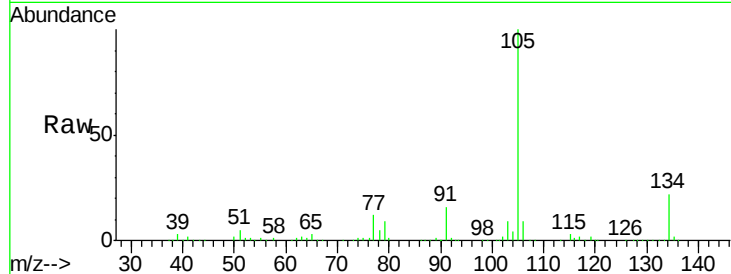
#81  
 sec-Butylbenzene  
 Concen: 21.74 ug/l  
 RT: 11.96 min Scan# 1865  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Instrument :  
 ClientSampled :  
 VX0222WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.3  | 0.0   | 41.8  |

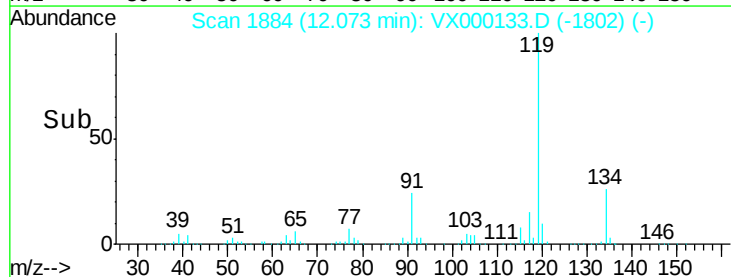
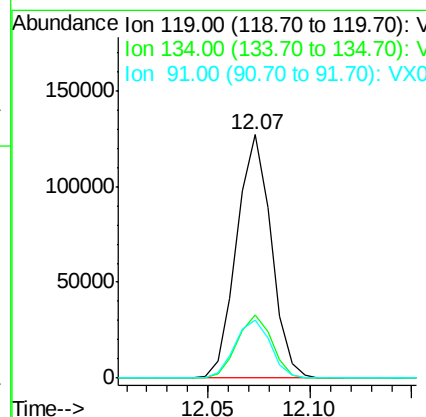
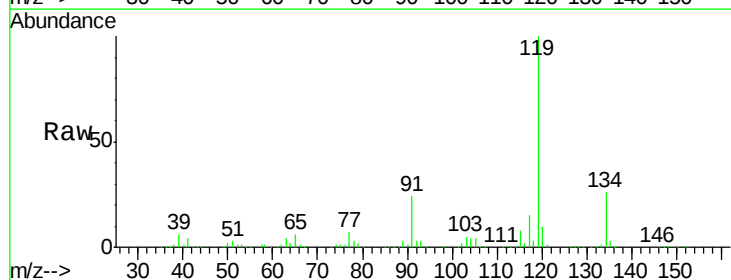
Manual Integrations  
 APPROVED

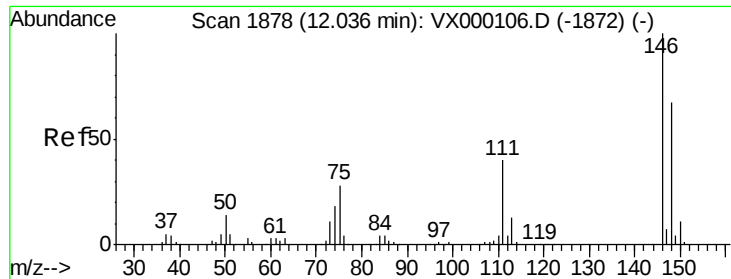
apatel  
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#82  
 p-Isopropyltoluene  
 Concen: 21.23 ug/l  
 RT: 12.07 min Scan# 1884  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.2  | 0.0   | 54.4  |
| 91      | 24.5  | 0.0   | 46.6  |





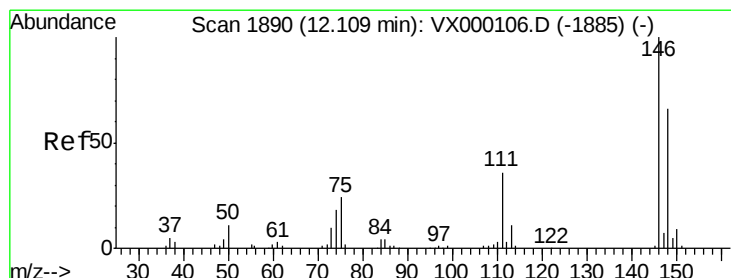
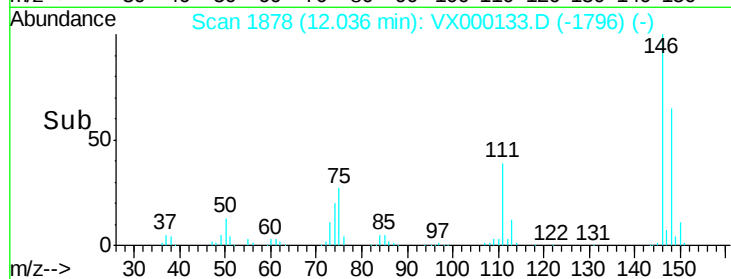
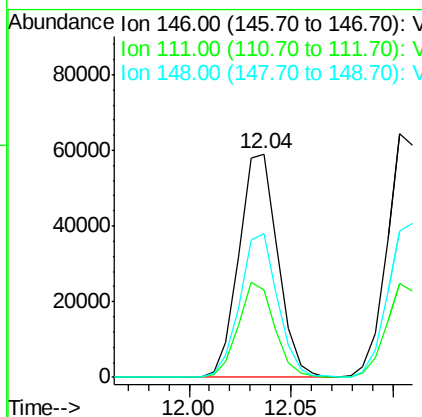
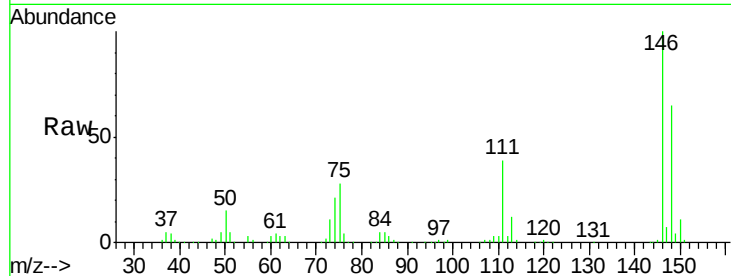
#83  
 1,3-Dichlorobenzene  
 Concen: 20.83 ug/l  
 RT: 12.04 min Scan# 1878  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Instrument :  
 ClientSampled :  
 VX0222WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.8  | 19.4  | 58.2  |
| 148     | 62.2  | 32.6  | 97.7  |

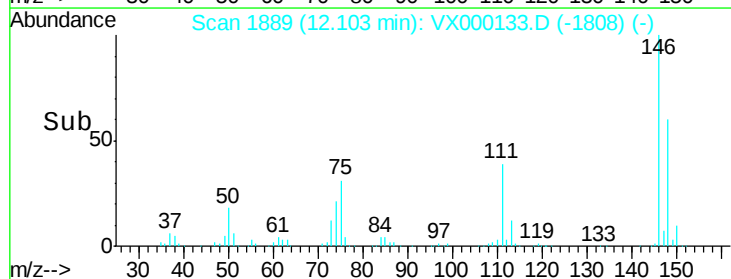
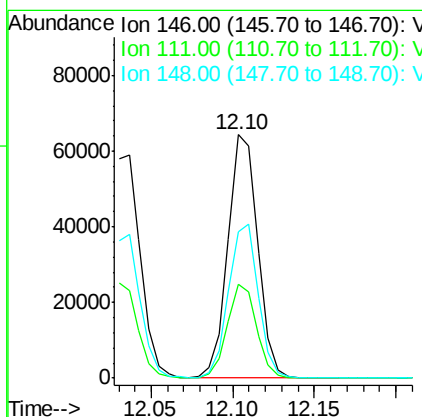
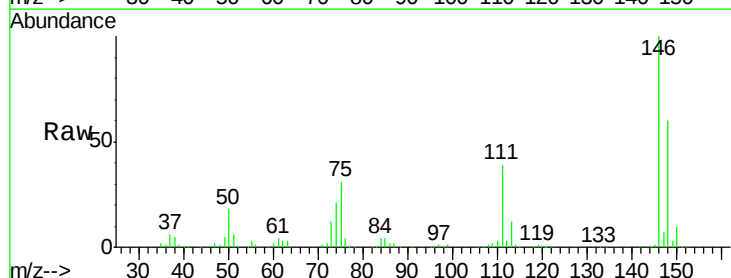
Manual Integrations  
 APPROVED

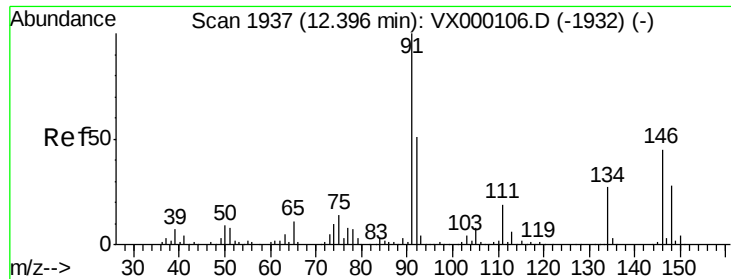
apatel  
 2/23/2018 3:52:21 PM



#84  
 1,4-Dichlorobenzene  
 Concen: 20.87 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. -0.01 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 18.4  | 55.0  |
| 148     | 62.9  | 31.9  | 95.7  |





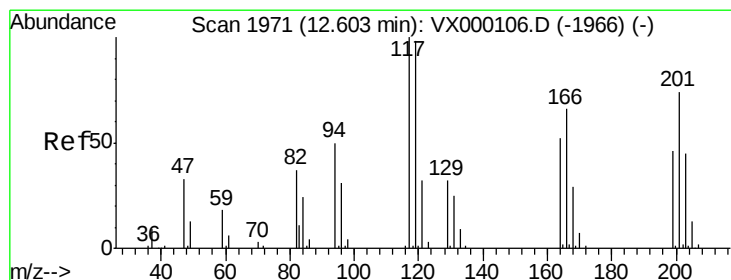
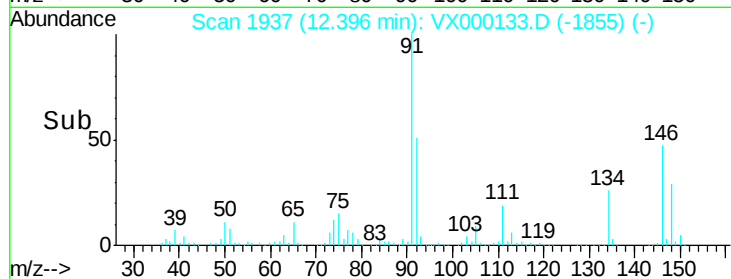
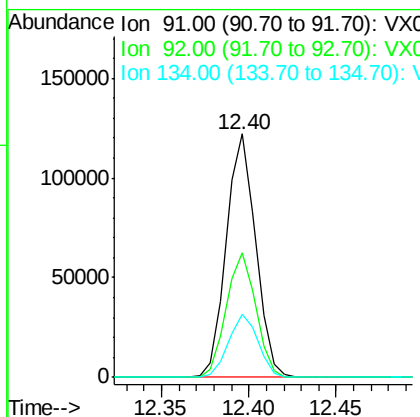
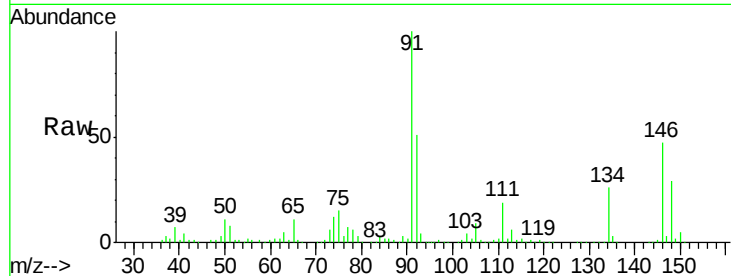
#85  
n-Butylbenzene  
Concen: 21.68 ug/l  
RT: 12.40 min Scan# 1937  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

Instrument :  
Client Sampled :  
VX0222WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 142610 |       |       |
| 92      | 51.5  | 0.0    | 102.0 |       |
| 134     | 25.9  | 0.0    | 54.2  |       |

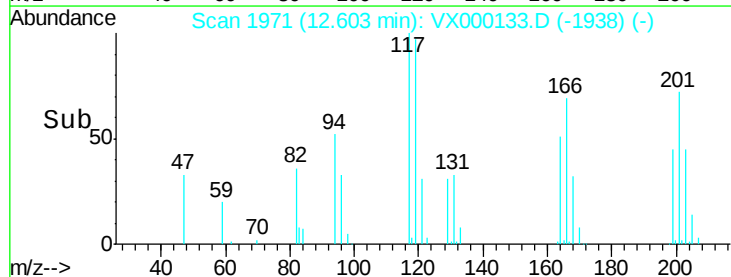
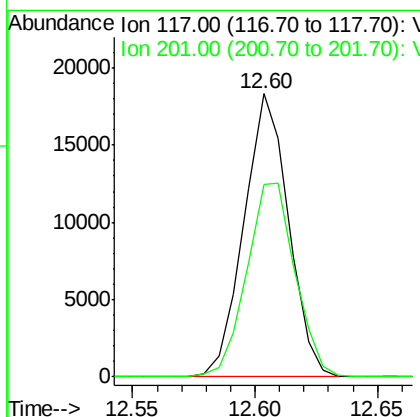
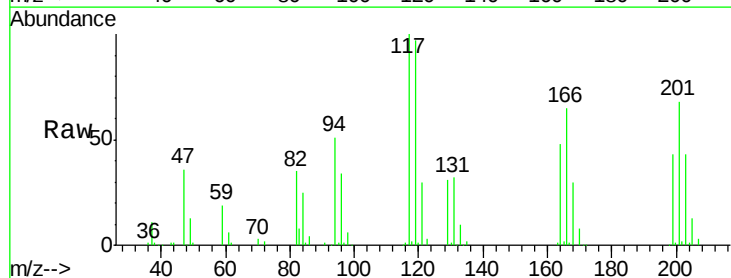
Manual Integrations  
APPROVED

apatel  
2/23/2018 3:52:21 PM



#86  
Hexachloroethane  
Concen: 19.77 ug/l  
RT: 12.60 min Scan# 1971  
Delta R.T. 0.00 min  
Lab File: VX000133.D  
Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 23163 |       |       |
| 201     | 74.2  | 38.9  | 116.6 |       |





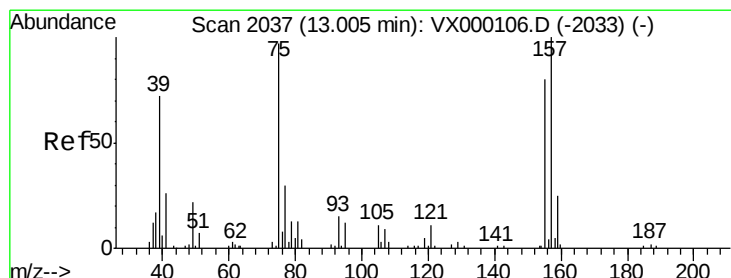
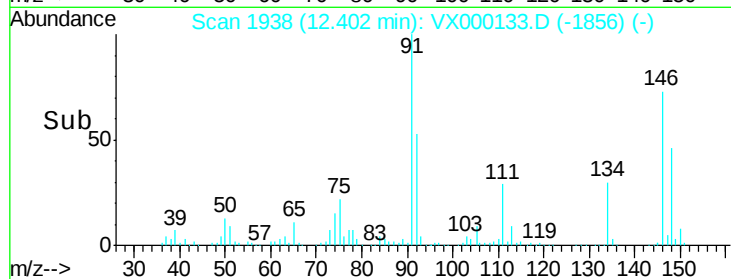
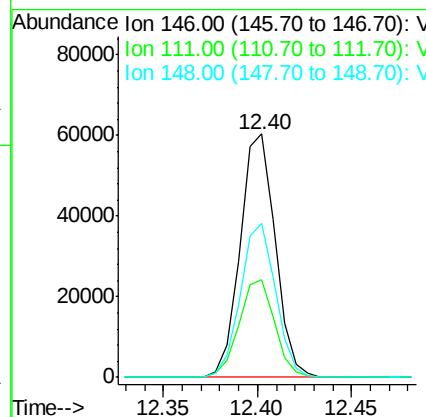
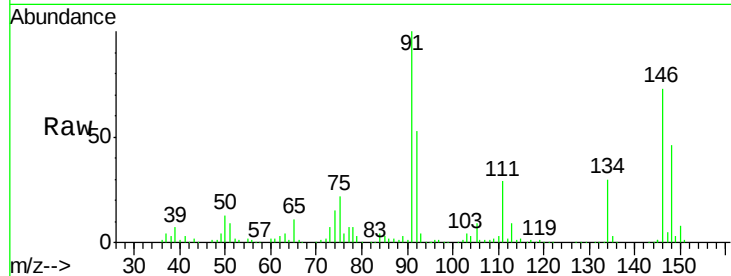
#87  
 1,2-Dichlorobenzene  
 Concen: 20.89 ug/l  
 RT: 12.40 min Scan# 1938  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Instrument :  
 ClientSampled :  
 VX0222WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 20.0  | 60.0  |
| 148     | 63.5  | 31.6  | 95.0  |

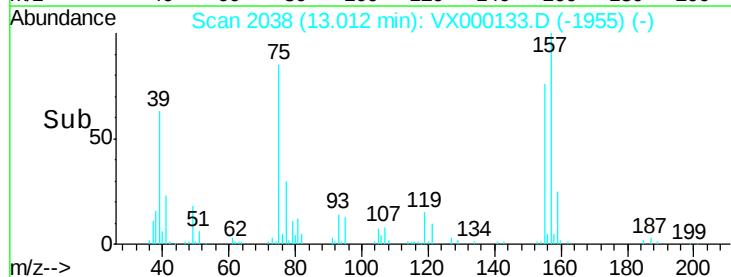
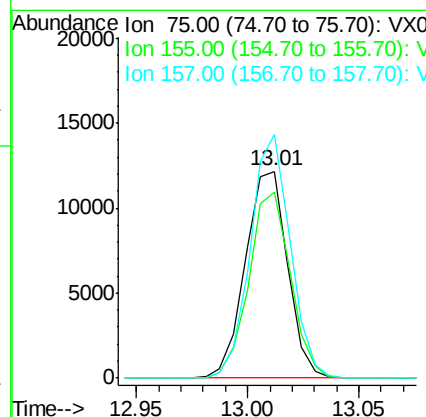
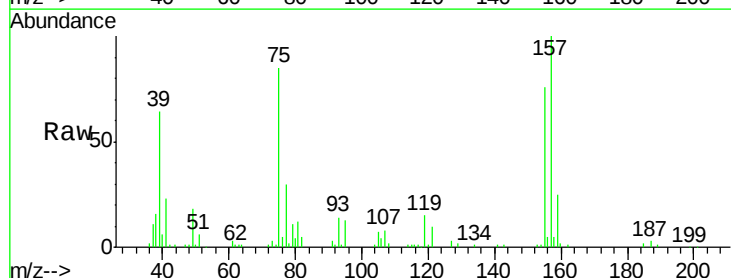
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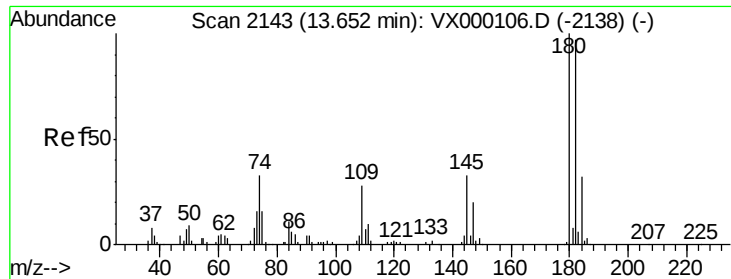
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#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 22.27 ug/l  
 RT: 13.01 min Scan# 2038  
 Delta R.T. 0.01 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 88.2  | 75.1  | 112.7 |
| 157     | 111.2 | 99.0  | 148.4 |





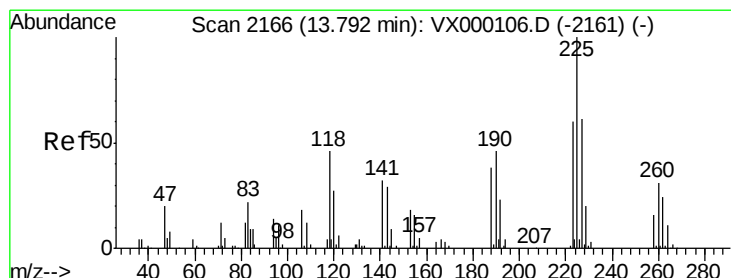
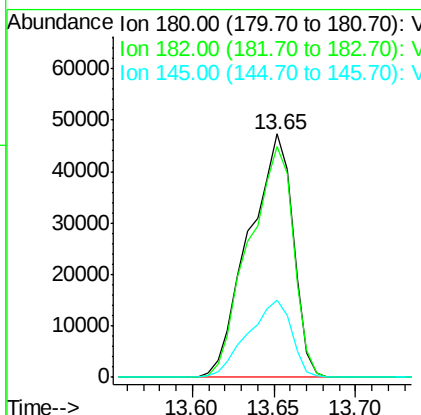
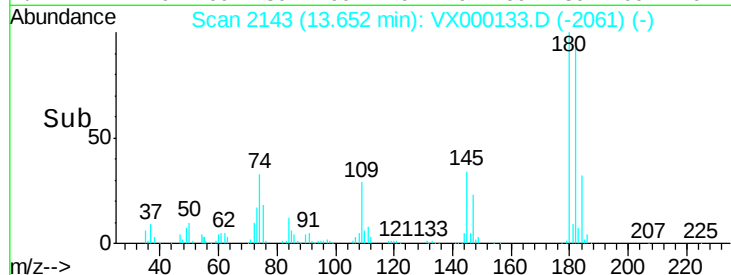
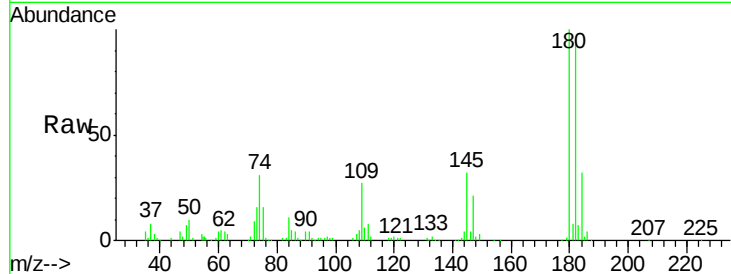
#89  
 1,2,4-Trichlorobenzene  
 Concen: 32.44 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

Instrument :  
 ClientSampled :  
 VX0222WBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 88852 |       |       |
| 182     | 95.9  | 76.3  | 114.5 |       |
| 145     | 31.4  | 24.6  | 37.0  |       |

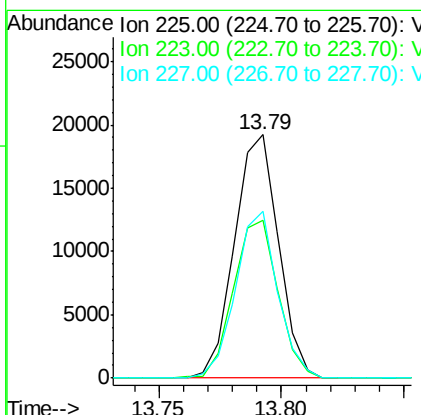
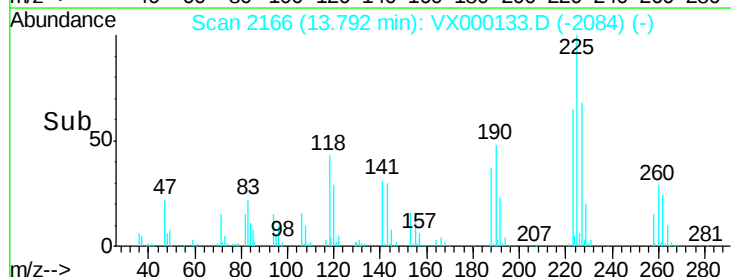
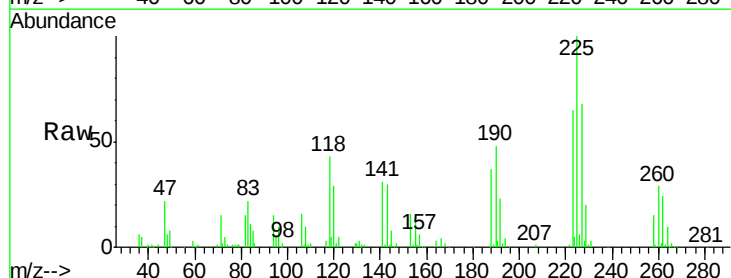
Manual Integrations  
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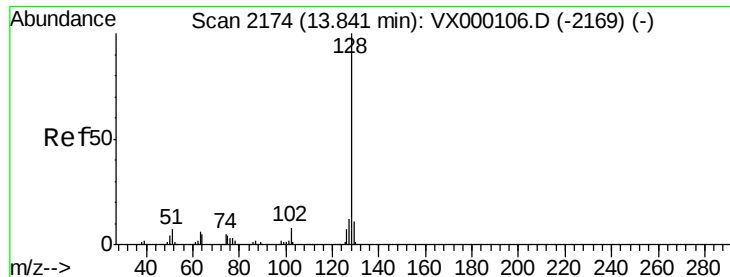
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#90  
 Hexachlorobutadiene  
 Concen: 20.42 ug/l  
 RT: 13.79 min Scan# 2166  
 Delta R.T. 0.00 min  
 Lab File: VX000133.D  
 Acq: 22 Feb 2018 17:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 24096 |       |       |
| 223     | 65.5  | 0.0   | 131.2 |       |
| 227     | 65.3  | 0.0   | 127.6 |       |





#91

Naphthalene

Concen: 21.37 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

Instrument :

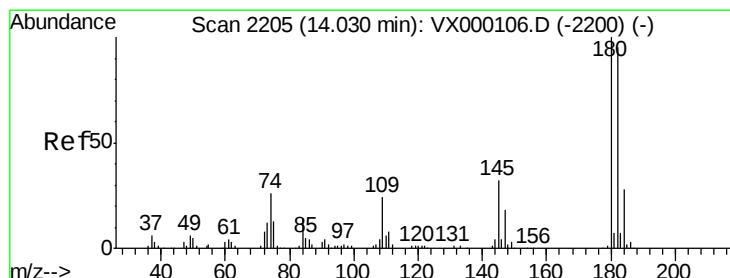
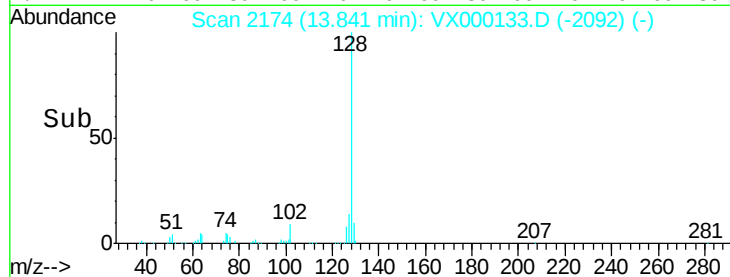
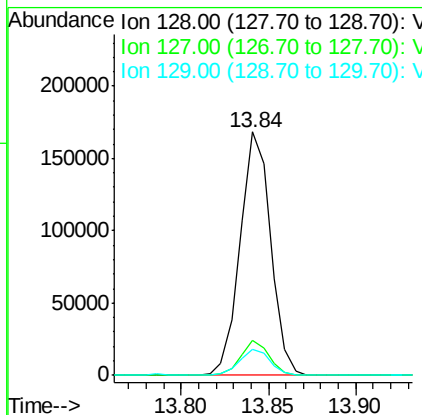
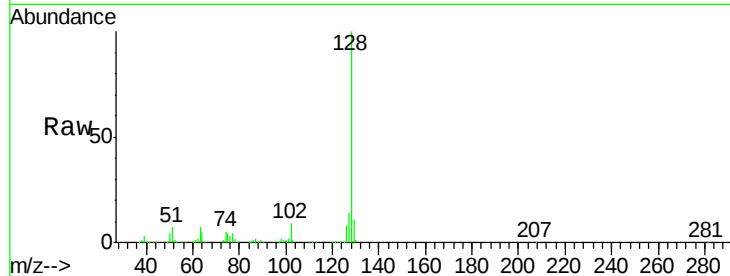
ClientSampled :

VX0222WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 204478 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.3  | 10.5  | 15.7   |
| 129       | 10.8  | 9.0   | 13.6   |

Manual Integrations  
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#92

1,2,3-Trichlorobenzene

Concen: 20.12 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VX000133.D

Acq: 22 Feb 2018 17:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 55408 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.9  | 0.0   | 188.6 |
| 145       | 31.6  | 0.0   | 65.8  |

