

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030620\  
 Data File : VX015120.D  
 Acq On : 06 Mar 2020 12:27  
 Operator : JC/SP  
 Sample : VX0306WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 06 23:10:44 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Feb 22 00:37:56 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.00  | 128  | 62461    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.84  | 114  | 330112   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.10 | 117  | 307589   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.05   | 65    | 129352   | 29.78    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 99.27%  |
| 60) 4-Bromofluorobenzene  | 11.13  | 95    | 143101   | 29.87    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 99.57%  |
| 63) Toluene-d8            | 8.71   | 98    | 405426   | 30.23    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 100.77% |

## Target Compounds

|                               |      |     |        |         | Ovalue     |
|-------------------------------|------|-----|--------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 49348  | 17.692  | ug/l 99    |
| 3) Chloromethane              | 1.32 | 50  | 77939  | 21.610  | ug/l 98    |
| 4) Vinyl Chloride             | 1.40 | 62  | 79263  | 20.420  | ug/l 99    |
| 5) Bromomethane               | 1.64 | 94  | 51826  | 19.066  | ug/l 100   |
| 6) Chloroethane               | 1.72 | 64  | 50100  | 19.269  | ug/l 99    |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 105394 | 18.657  | ug/l 95    |
| 8) Diethyl Ether              | 2.18 | 74  | 45620  | 19.197  | ug/l 99    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 67102  | 20.545  | ug/l 99    |
| 10) 1,1-Dichloroethene        | 2.37 | 96  | 64071  | 19.513  | ug/l 97    |
| 11) Methyl Iodide             | 2.50 | 142 | 55599  | 13.936  | ug/l 98    |
| 12) Methyl Acetate            | 2.76 | 43  | 80518  | 19.706  | ug/l 94    |
| 13) Acrolein                  | 2.28 | 56  | 85866  | 105.667 | ug/l 98    |
| 14) Acrylonitrile             | 3.13 | 53  | 176820 | 95.825  | ug/l 100   |
| 15) Acetone                   | 2.44 | 58  | 57322  | 86.804  | ug/l 97    |
| 16) Carbon Disulfide          | 2.56 | 76  | 164642 | 18.649  | ug/l 99    |
| 17) Allyl chloride            | 2.72 | 41  | 112952 | 19.776  | ug/l 98    |
| 18) Methylene Chloride        | 2.85 | 84  | 73871  | 19.526  | ug/l 98    |
| 19) trans-1,2-Dichloroethene  | 3.16 | 96  | 71631  | 19.862  | ug/l 94    |
| 20) Diisopropyl ether         | 3.84 | 45  | 238357 | 20.434  | ug/l 90    |
| 21) 1,1-Dichloroethane        | 3.69 | 63  | 132633 | 20.742  | ug/l 99    |
| 22) cis-1,2-Dichloroethene    | 4.58 | 96  | 80836  | 19.587  | ug/l 96    |
| 23) tert-Butyl Alcohol        | 3.04 | 59  | 69628  | 95.191  | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 3.18 | 73  | 214510 | 19.636  | ug/l 99    |
| 25) Chloroform                | 5.20 | 83  | 130132 | 20.181  | ug/l 100   |
| 26) Cyclohexane               | 5.57 | 56  | 111523 | 19.514  | ug/l 97    |
| 29) 1,1-Dichloropropene       | 5.79 | 75  | 96695  | 20.709  | ug/l 98    |
| 30) 2-Butanone                | 4.65 | 43  | 251074 | 93.159  | ug/l 100   |
| 31) 2,2-Dichloropropane       | 4.58 | 77  | 103403 | 20.168  | ug/l 99    |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 109214 | 20.597  | ug/l 99    |
| 33) Carbon Tetrachloride      | 5.78 | 117 | 94256  | 20.306  | ug/l 96    |
| 34) Benzene                   | 6.13 | 78  | 292061 | 20.729  | ug/l 98    |
| 35) Methacrylonitrile         | 5.03 | 41  | 54557  | 19.844  | ug/l 99    |
| 36) 1,2-Dichloroethane        | 6.18 | 62  | 104352 | 20.924  | ug/l 100   |
| 37) Trichloroethene           | 7.20 | 130 | 80493  | 20.348  | ug/l 97    |
| 38) Methylcyclohexane         | 7.45 | 83  | 113402 | 19.594  | ug/l 99    |
| 39) 1,2-Dichloropropane       | 7.50 | 63  | 75579  | 20.840  | ug/l 97    |
| 40) Dibromomethane            | 7.65 | 93  | 49627  | 20.493  | ug/l 100   |

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 Operator : JC/SP  
 Sample : VX0306WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 06 23:10:44 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Feb 22 00:37:56 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 41) Bromodichloromethane       | 7.89  | 83   | 98986    | 20.692  | ug/l   | 96       |
| 42) Vinyl Acetate              | 3.80  | 43   | 980432   | 103.353 | ug/l   | 100      |
| 43) Ethyl Acetate              | 4.82  | 43   | 96692    | 19.828  | ug/l # | 92       |
| 44) Isopropyl Acetate          | 6.43  | 43   | 157107   | 19.165  | ug/l   | 98       |
| 45) 1,4-Dioxane                | 7.75  | 88   | 32167    | 424.658 | ug/l   | 97       |
| 46) Methyl methacrylate        | 7.76  | 41   | 78875    | 19.449  | ug/l   | 96       |
| 47) n-amyl Acetate             | 10.89 | 43   | 134043   | 18.875  | ug/l   | 99       |
| 48) t-1,3-Dichloropropene      | 9.03  | 75   | 105698   | 19.915  | ug/l   | 97       |
| 49) cis-1,3-Dichloropropene    | 8.43  | 75   | 119167   | 20.395  | ug/l   | 99       |
| 50) 1,1,2-Trichloroethane      | 9.21  | 97   | 74674    | 20.697  | ug/l   | 97       |
| 51) Ethyl methacrylate         | 9.17  | 69   | 107157   | 19.243  | ug/l   | 96       |
| 52) 1,3-Dichloropropane        | 9.36  | 76   | 129558   | 21.227  | ug/l   | 100      |
| 53) Dibromochloromethane       | 9.57  | 129  | 79498    | 20.380  | ug/l   | 100      |
| 54) 1,2-Dibromoethane          | 9.67  | 107  | 77887    | 20.333  | ug/l   | 97       |
| 55) 2-Chloroethyl vinyl ether  | 8.30  | 63   | 292418   | 98.582  | ug/l   | 98       |
| 56) Bromoform                  | 10.85 | 173  | 57835    | 18.914  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone       | 8.63  | 43   | 491572   | 97.515  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 363716   | 92.344  | ug/l   | 99       |
| 61) Tetrachloroethene          | 9.33  | 164  | 81605    | 19.753  | ug/l   | 99       |
| 62) Toluene                    | 8.78  | 91   | 316220   | 20.071  | ug/l   | 99       |
| 64) Chlorobenzene              | 10.13 | 112  | 202064   | 20.093  | ug/l   | 95       |
| 65) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 74038    | 19.876  | ug/l   | 99       |
| 66) Ethyl Benzene              | 10.25 | 91   | 341675   | 19.687  | ug/l   | 99       |
| 67) m/p-Xylenes                | 10.35 | 106  | 263862   | 39.428  | ug/l   | 99       |
| 68) o-Xylene                   | 10.69 | 106  | 124787   | 19.271  | ug/l   | 98       |
| 69) Styrene                    | 10.71 | 104  | 214087   | 19.358  | ug/l   | 100      |
| 70) Isopropylbenzene           | 11.01 | 105  | 344471   | 20.027  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 110321   | 19.921  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane     | 11.29 | 75   | 123247   | 26.829  | ug/l   | 90       |
| 73) Bromobenzene               | 11.25 | 156  | 88759    | 19.098  | ug/l   | 96       |
| 74) n-propylbenzene            | 11.35 | 91   | 394926   | 20.173  | ug/l   | 100      |
| 75) 2-Chlorotoluene            | 11.42 | 91   | 234832   | 20.299  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 287768   | 19.963  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene    | 11.07 | 75   | 32644    | 17.623  | ug/l   | 92       |
| 78) 4-Chlorotoluene            | 11.51 | 91   | 265855   | 19.867  | ug/l   | 100      |
| 79) tert-butylbenzene          | 11.76 | 119  | 272188   | 19.544  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 288868   | 20.157  | ug/l   | 99       |
| 81) sec-Butylbenzene           | 11.94 | 105  | 337525   | 20.237  | ug/l   | 100      |
| 82) p-Isopropyltoluene         | 12.06 | 119  | 307330   | 19.835  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 12.02 | 146  | 158773   | 19.488  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene        | 12.09 | 146  | 160479   | 19.560  | ug/l   | 99       |
| 85) n-Butylbenzene             | 12.39 | 91   | 262372   | 19.459  | ug/l   | 100      |
| 86) Hexachloroethane           | 12.59 | 117  | 53195    | 18.994  | ug/l   | 98       |
| 87) 1,2-Dichlorobenzene        | 12.39 | 146  | 159287   | 19.647  | ug/l   | 100      |
| 88) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 21369    | 17.717  | ug/l   | 98       |
| 89) 1,2,4-Trichlorobenzene     | 13.64 | 180  | 107531   | 18.444  | ug/l   | 99       |
| 90) Hexachlorobutadiene        | 13.78 | 225  | 54590    | 18.854  | ug/l   | 97       |
| 91) Naphthalene                | 13.83 | 128  | 303828   | 18.407  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 111547   | 19.271  | ug/l   | 99       |
| -----                          |       |      |          |         |        |          |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030620\  
Data File : VX015120.D  
Acq On : 06 Mar 2020 12:27  
Operator : JC/SP  
Sample : VX0306WBS01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

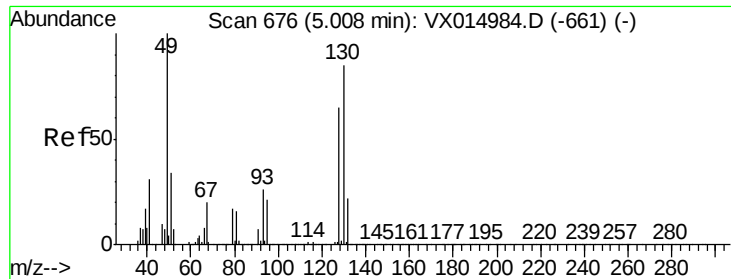
Quant Time: Mar 06 23:10:44 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Feb 22 00:37:56 2020  
Response via : Initial Calibration

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

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



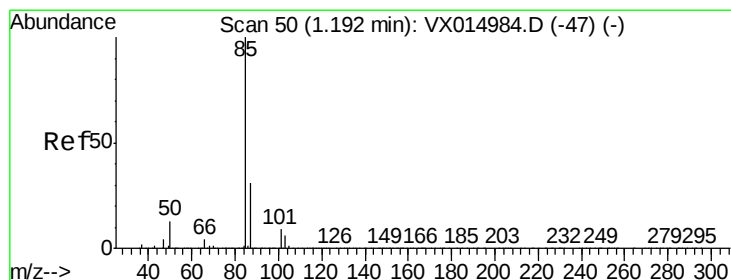
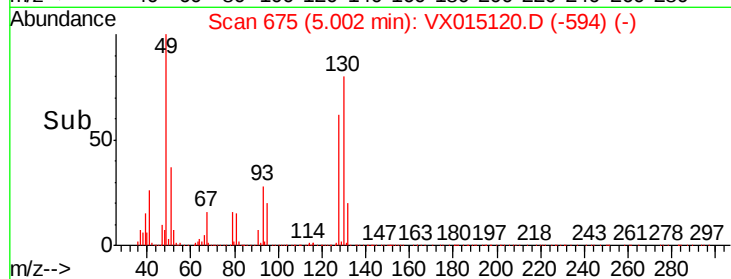
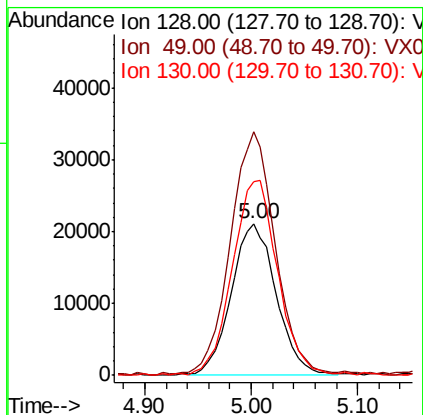
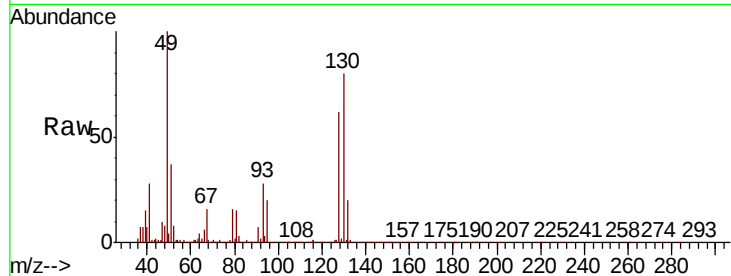


#1

Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 5.00 min Scan# 675  
 Delta R.T. -0.01 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

Instrument :  
 MSVOA\_X  
 ClientSampleId :

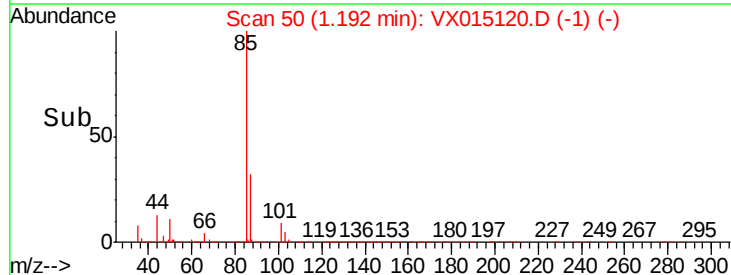
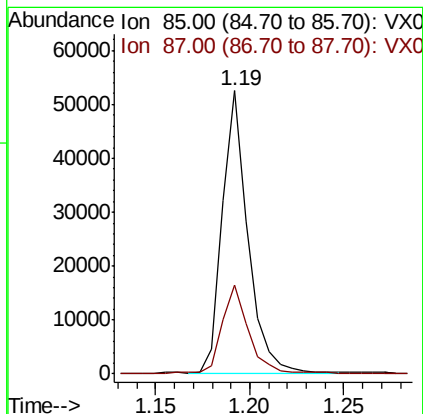
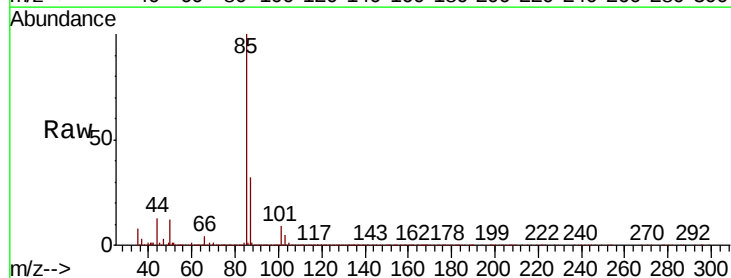
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 158.7 | 0.0   | 384.7 |
| 130     | 129.2 | 0.0   | 330.8 |

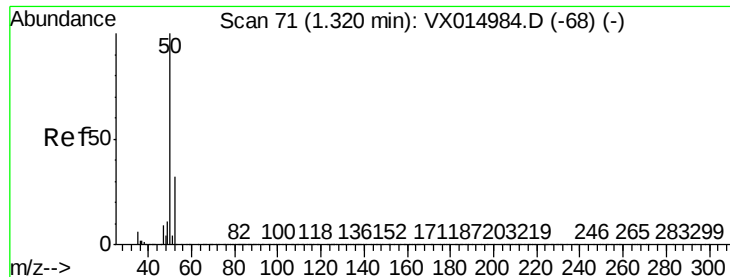


#2

Dichlorodifluoromethane  
 Concen: 17.692 ug/l  
 RT: 1.19 min Scan# 50  
 Delta R.T. 0.00 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 31.2  | 15.3  | 45.9  |

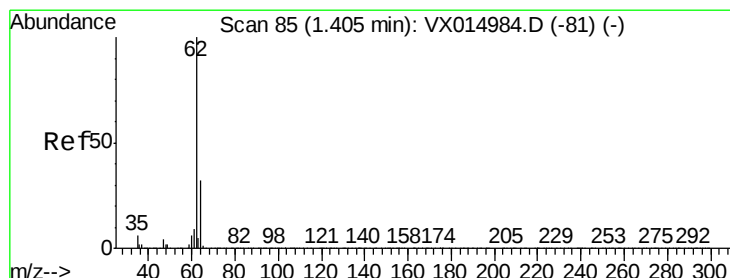
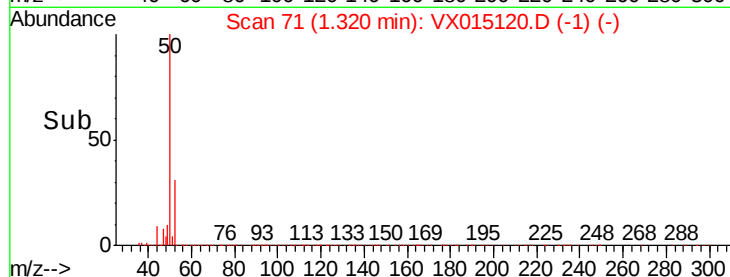
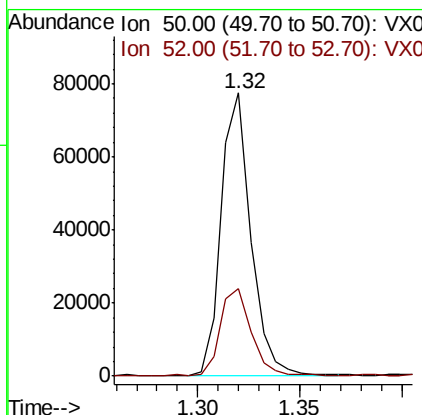
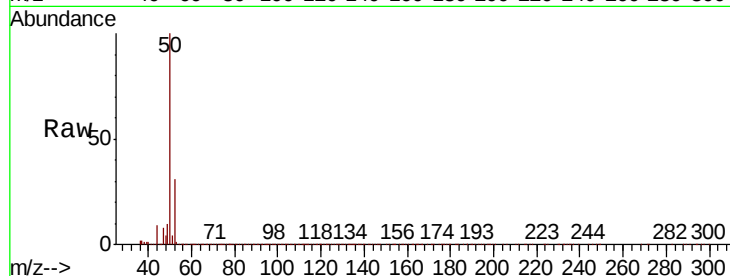




#3  
Chloromethane  
Concen: 21.610 ug/l  
RT: 1.32 min Scan# 71  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

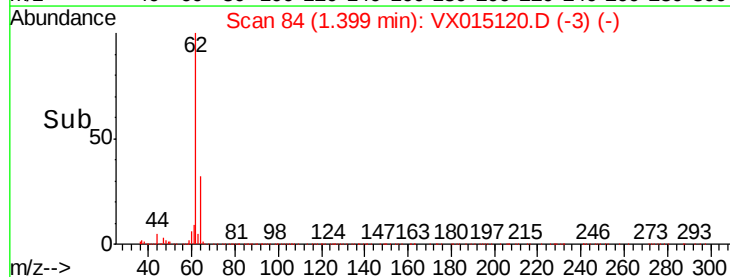
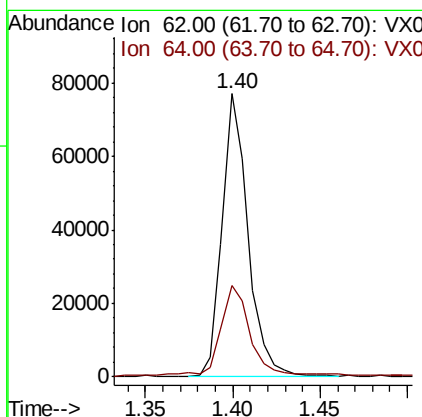
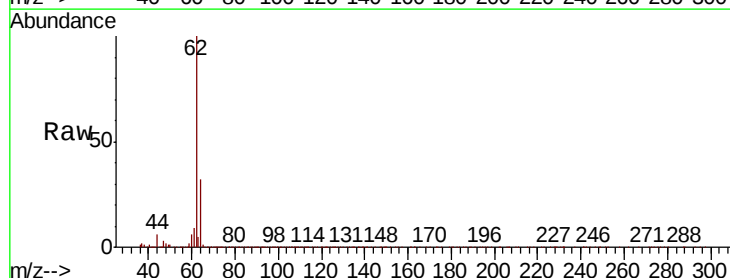
Instrument :  
MSVOA\_X  
ClientSampleId :

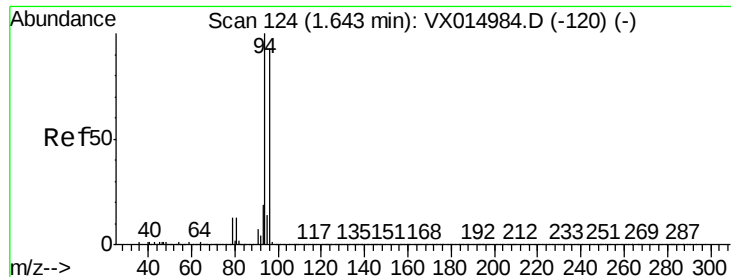
Tot Ion: 50 Resp: 77939  
Ion Ratio Lower Upper  
50 100  
52 30.5 25.4 38.0



#4  
Vinyl Chloride  
Concen: 20.420 ug/l  
RT: 1.40 min Scan# 84  
Delta R.T. -0.01 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

Tgt Ion: 62 Resp: 79263  
Ion Ratio Lower Upper  
62 100  
64 31.3 25.4 38.0





#5

Bromomethane

Concen: 19.066 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

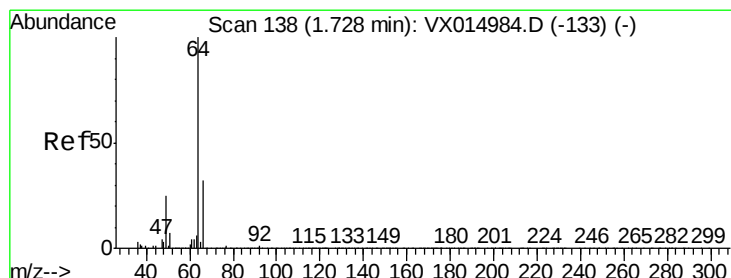
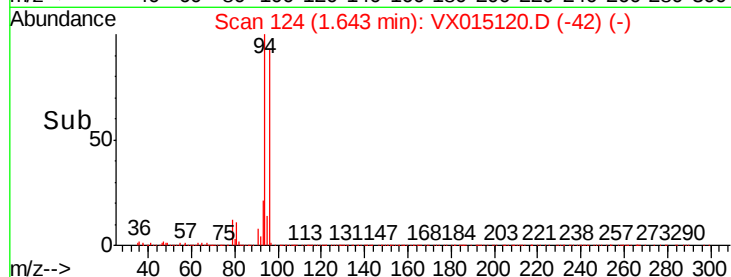
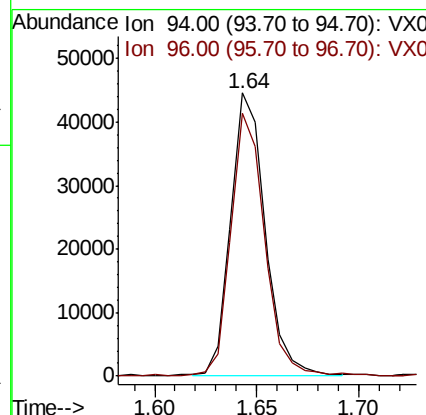
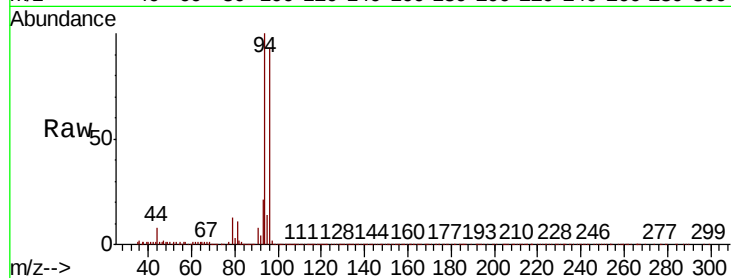
ClientSampleId :

Tot Ion: 94 Resp: 51826

Ion Ratio Lower Upper

94 100

96 93.1 74.6 112.0



#6

Chloroethane

Concen: 19.269 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.01 min

Lab File: VX015120.D

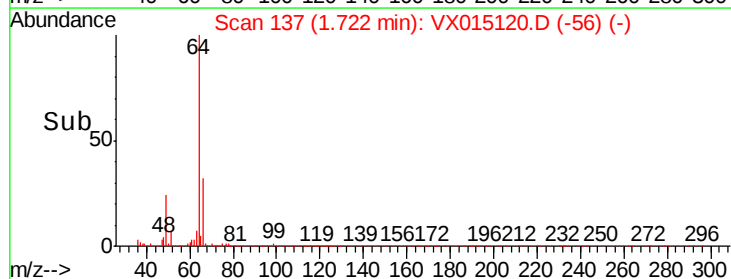
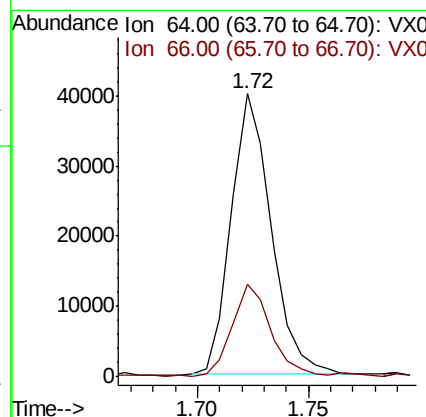
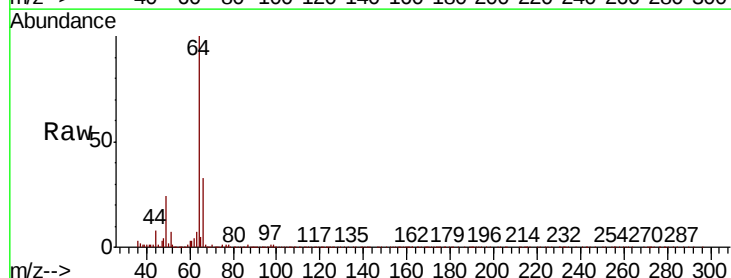
Acq: 06 Mar 2020 12:27

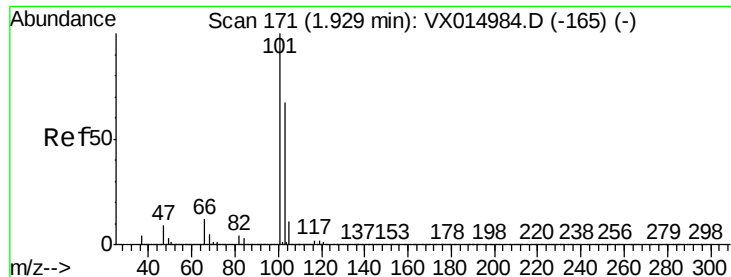
Tgt Ion: 64 Resp: 50100

Ion Ratio Lower Upper

64 100

66 32.5 25.8 38.6



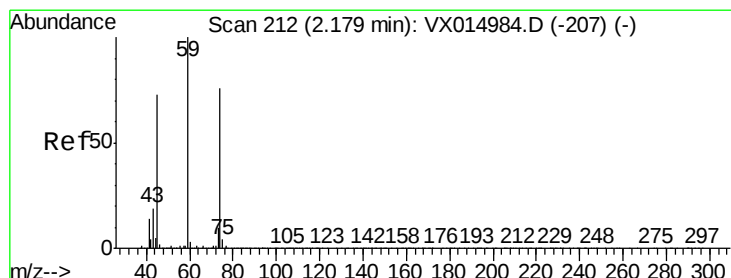
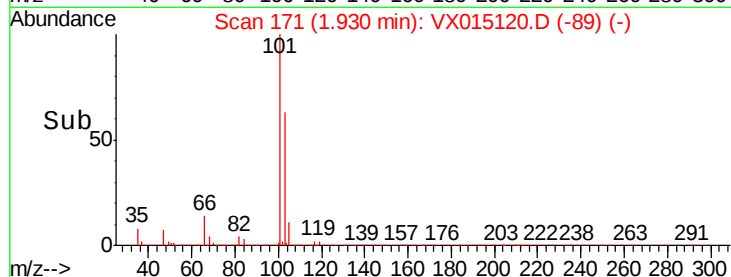
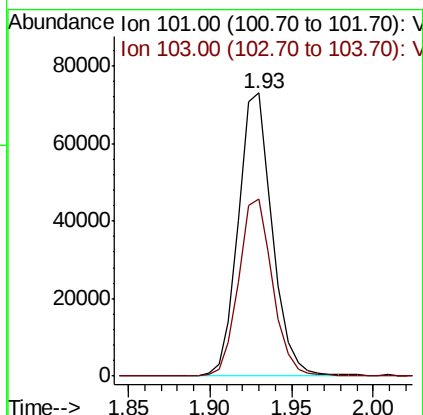
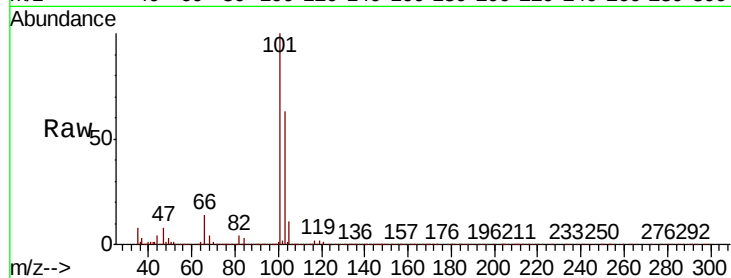


#7

Trichlorofluoromethane  
Concen: 18.657 ug/l  
RT: 1.93 min Scan# 171  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

Instrument :  
MSVOA\_X  
ClientSampleId :

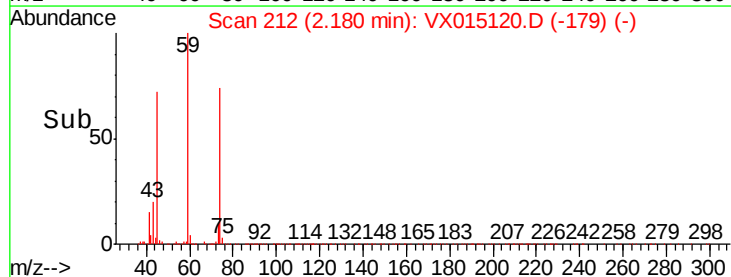
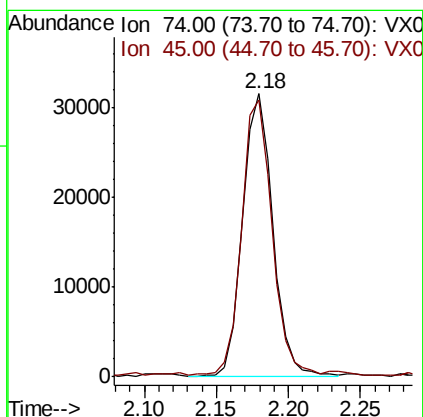
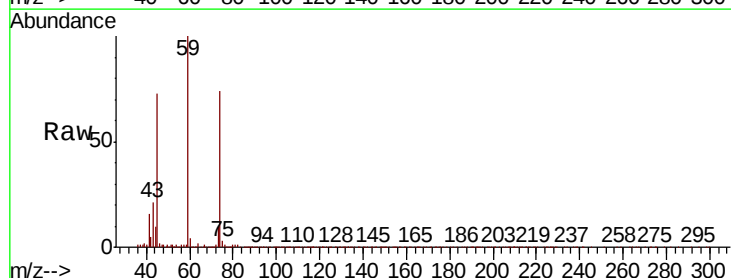
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Ion Ratio Lower Upper  
101 100  
103 62.7 53.4 80.2

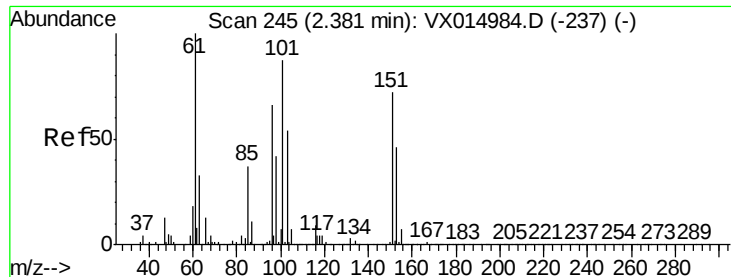


#8

Diethyl Ether  
Concen: 19.197 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

Tgt Ion: 74 Resp: 45620  
Ion Ratio Lower Upper  
74 100  
45 98.8 19.6 176.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.545 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015120.D

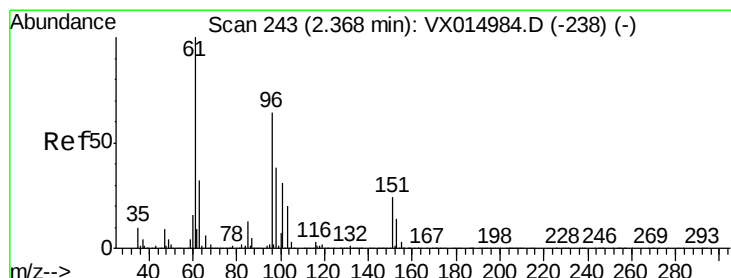
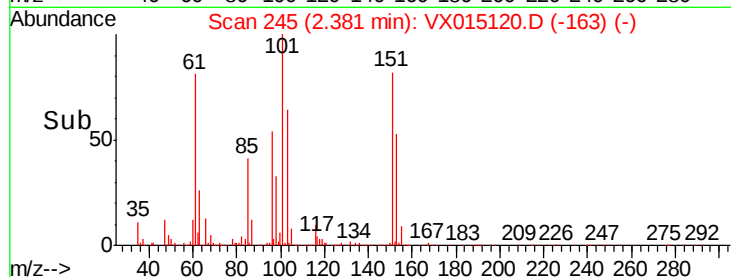
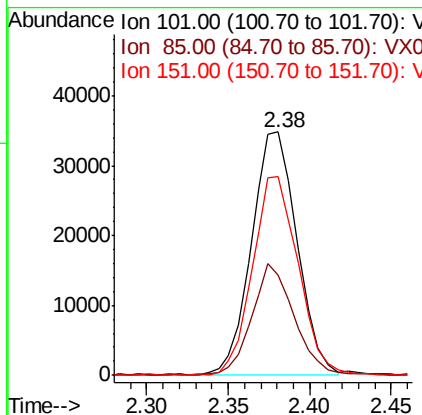
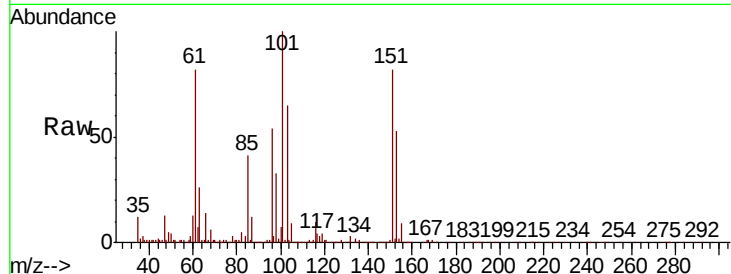
Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 101   | Resp: | 67102 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 43.2  | 0.0   | 86.6  |
| 151      | 82.7  | 0.0   | 167.4 |



#10

1,1-Dichloroethene

Concen: 19.513 ug/l

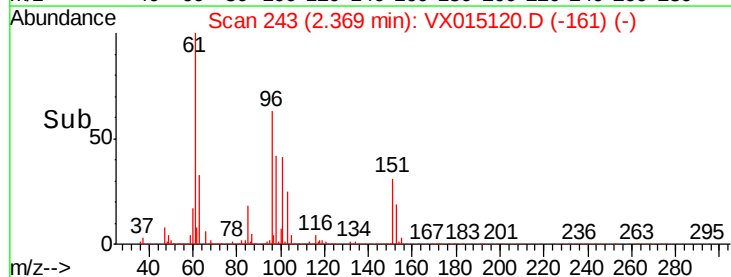
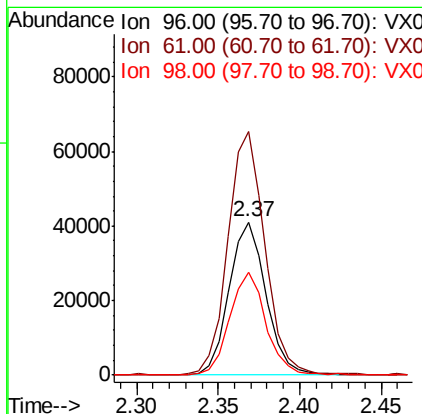
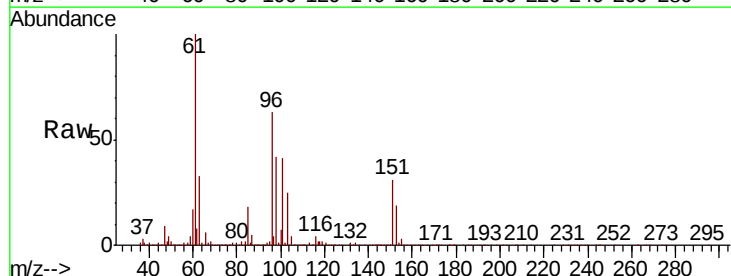
RT: 2.37 min Scan# 243

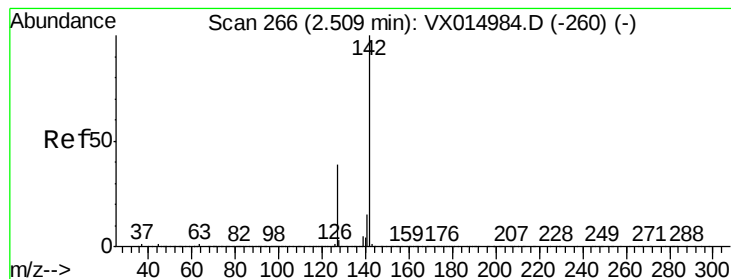
Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 64071 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 158.7 | 126.1 | 189.1 |
| 98       | 67.0  | 48.2  | 72.2  |





#11

Methvl Iodide

Concen: 13.936 ug/l

RT: 2.50 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

ClientSampleId :

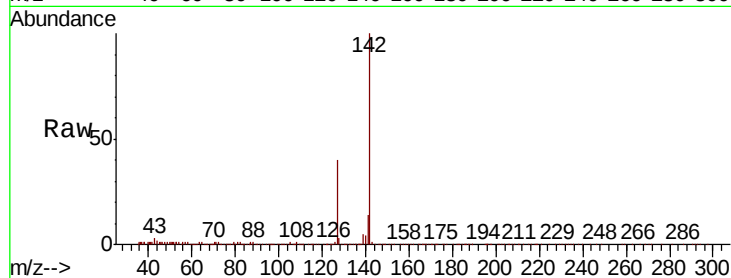
Tot Ion:142 Resp: 55599

Ion Ratio Lower Upper

142 100

127 40.0 19.7 59.0

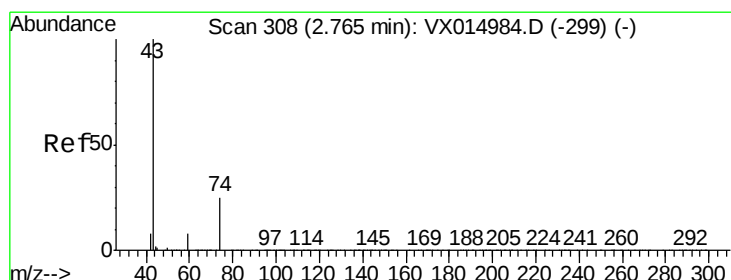
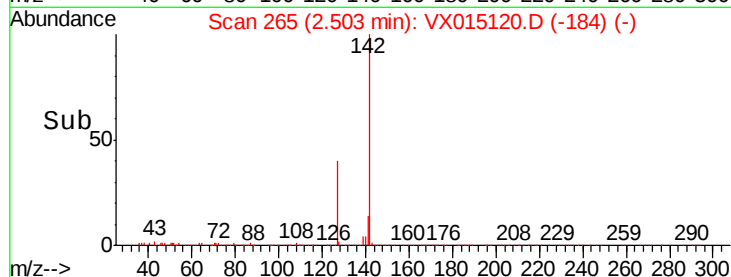
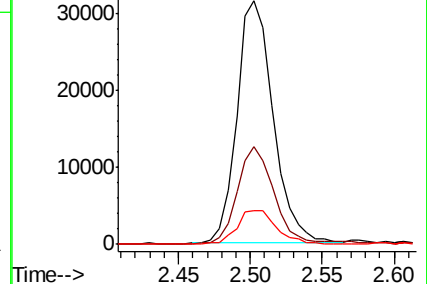
141 13.4 7.4 22.2



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 19.706 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX015120.D

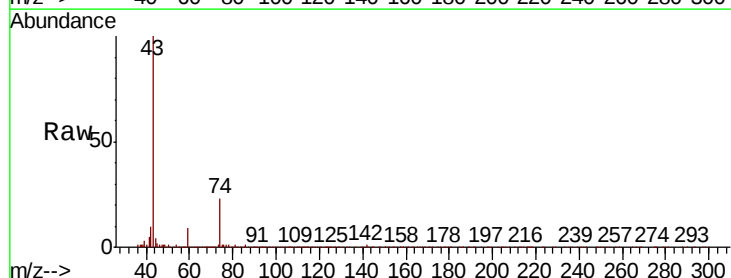
Acq: 06 Mar 2020 12:27

Tgt Ion: 43 Resp: 80518

Ion Ratio Lower Upper

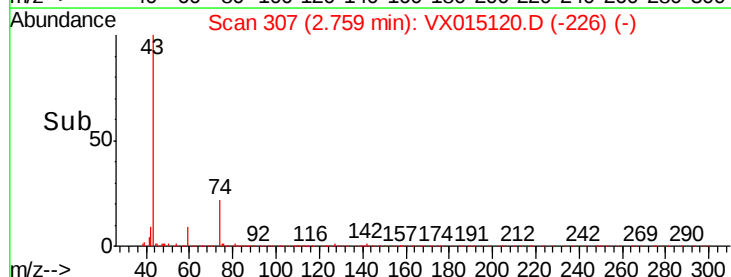
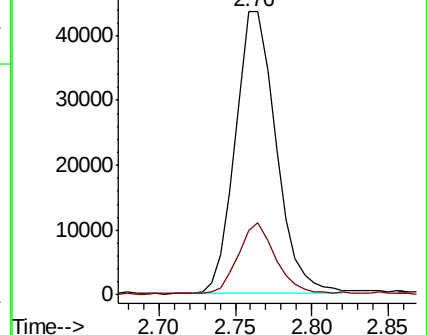
43 100

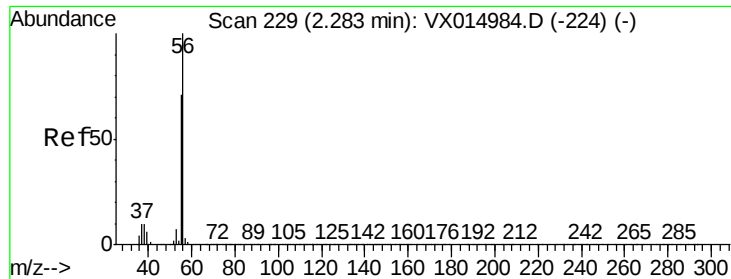
74 22.0 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

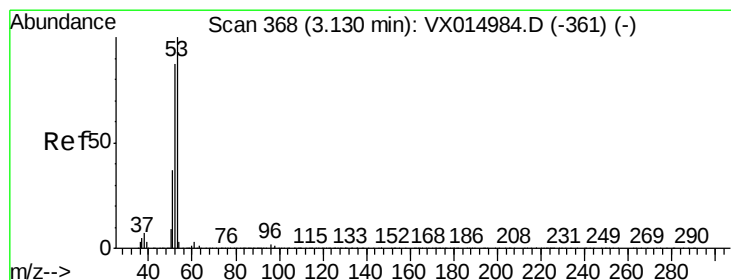
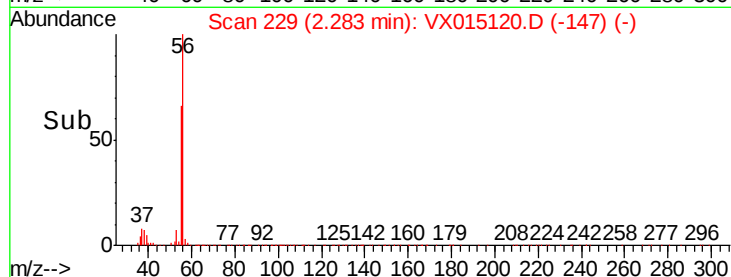
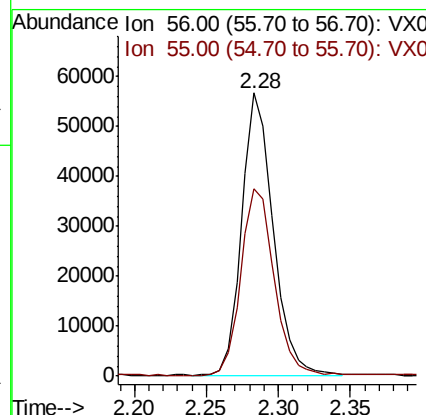
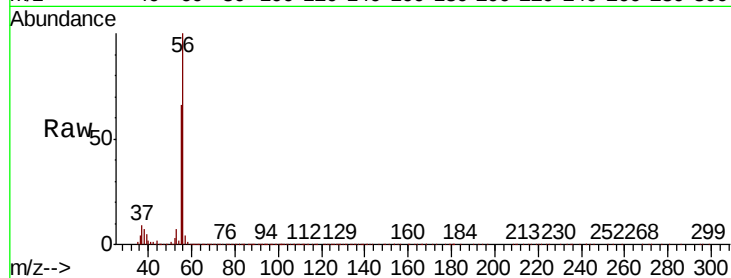




#13  
Acrolein  
Concen: 105.667 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

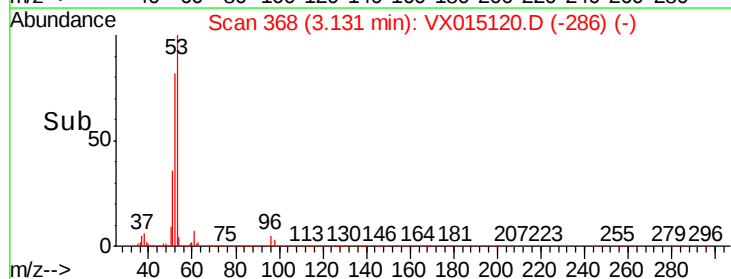
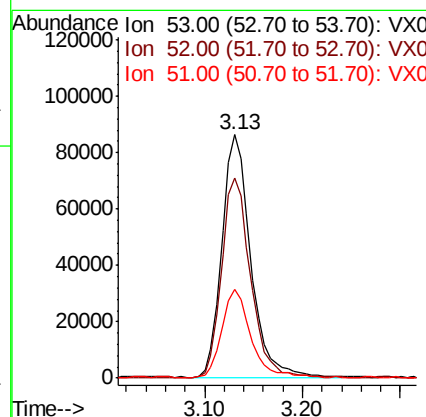
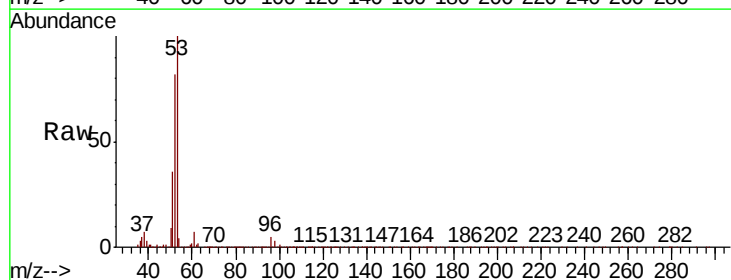
Instrument :  
MSVOA\_X  
ClientSampleId :

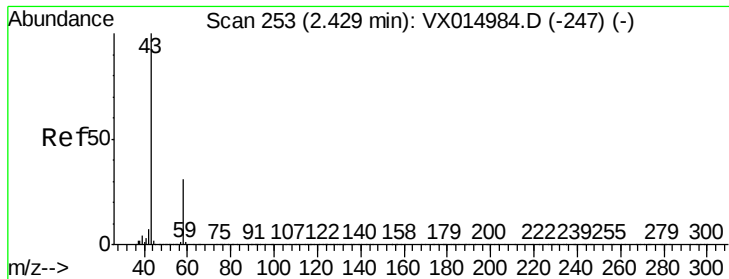
Tot Ion: 56 Resp: 85866  
Ion Ratio Lower Upper  
56 100  
55 69.0 56.2 84.2



#14  
Acrylonitrile  
Concen: 95.825 ug/l  
RT: 3.13 min Scan# 368  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

Tgt Ion: 53 Resp: 176820  
Ion Ratio Lower Upper  
53 100  
52 83.2 41.5 124.6  
51 36.2 18.1 54.4





#15

Acetone

Concen: 86.804 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

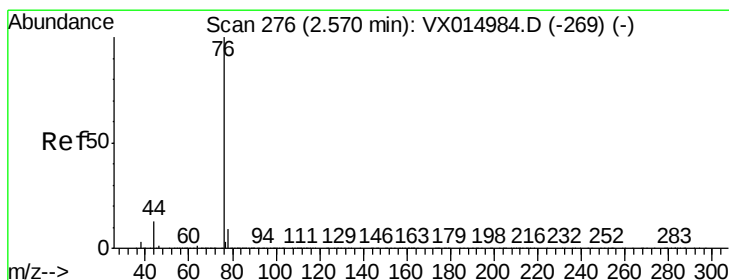
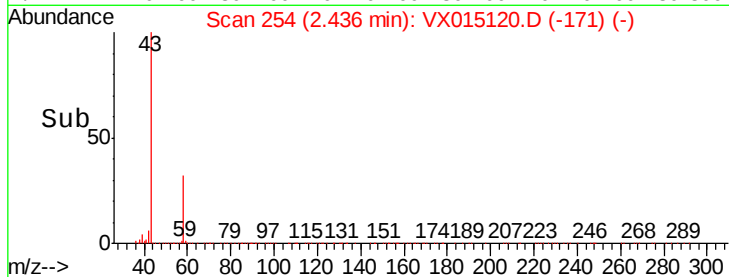
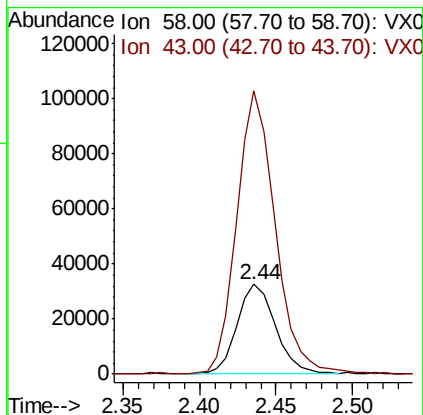
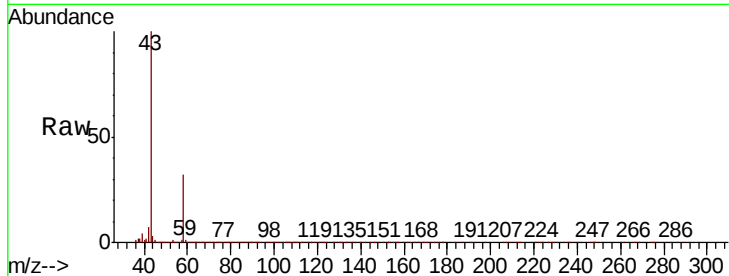
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 58 Resp: 57322

Ion Ratio Lower Upper

58 100

43 314.9 257.7 386.5



#16

Carbon Disulfide

Concen: 18.649 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX015120.D

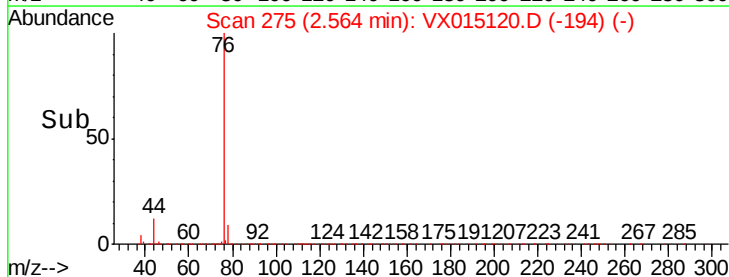
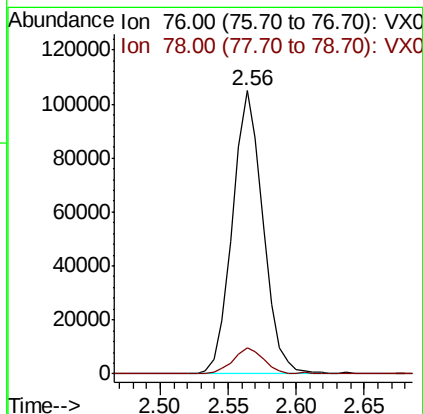
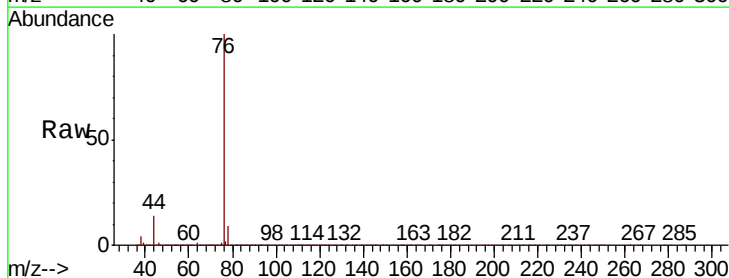
Acq: 06 Mar 2020 12:27

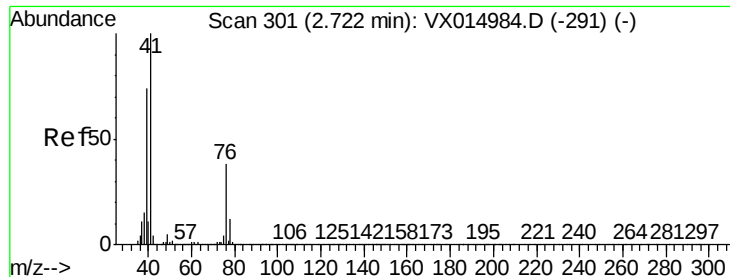
Tgt Ion: 76 Resp: 164642

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#17

Allvl chloride

Concen: 19.776 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

ClientSampleId :

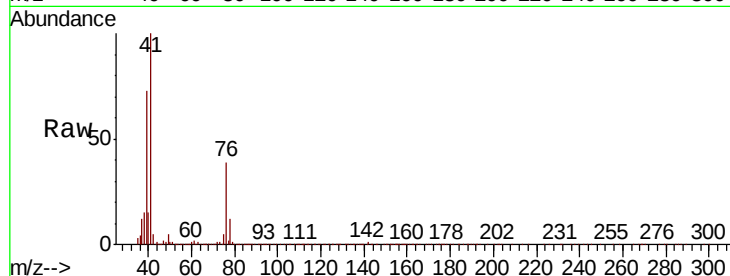
Tot Ion: 41 Resp: 112952

Ion Ratio Lower Upper

41 100

39 72.9 37.1 111.5

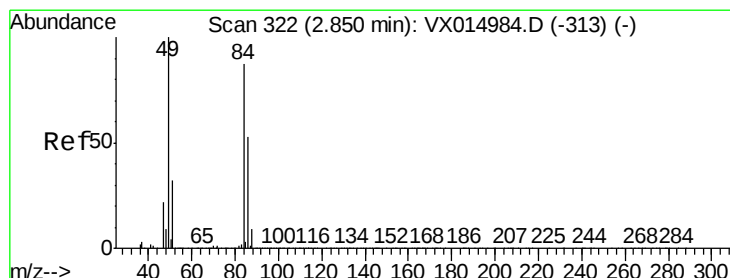
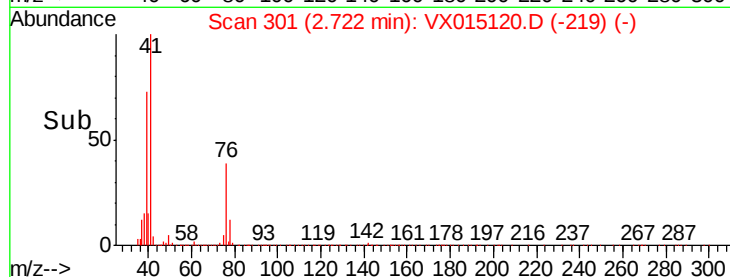
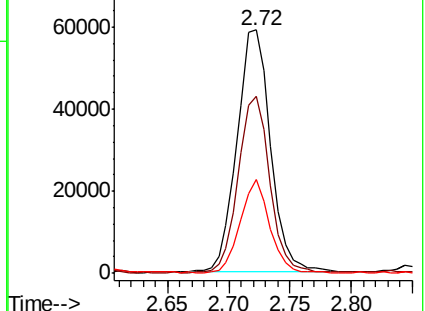
76 38.5 18.8 56.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 19.526 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Tgt Ion: 84 Resp: 73871

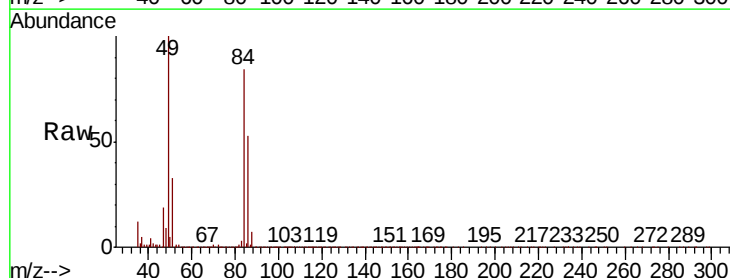
Ion Ratio Lower Upper

84 100

49 118.0 92.2 138.2

51 38.3 29.7 44.5

86 62.7 49.0 73.6

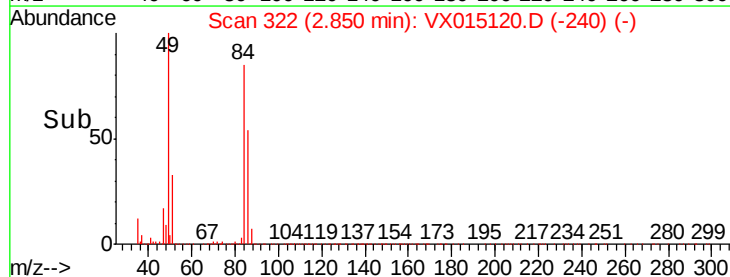
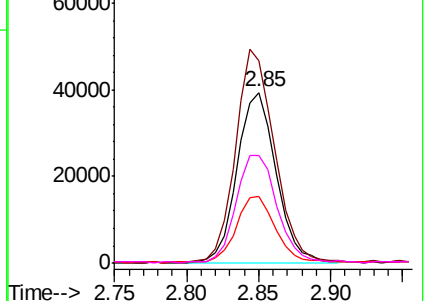


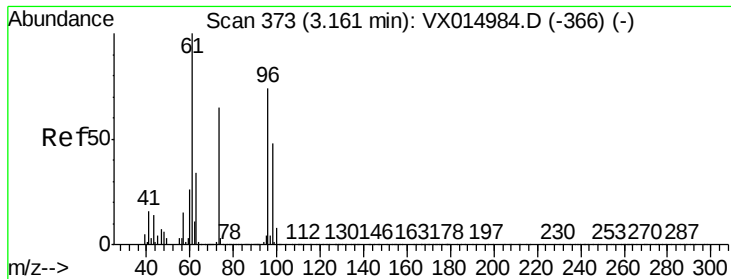
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

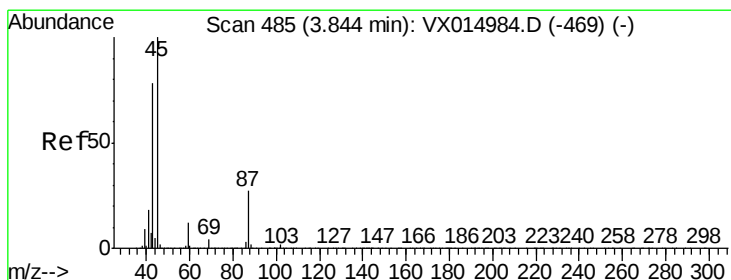
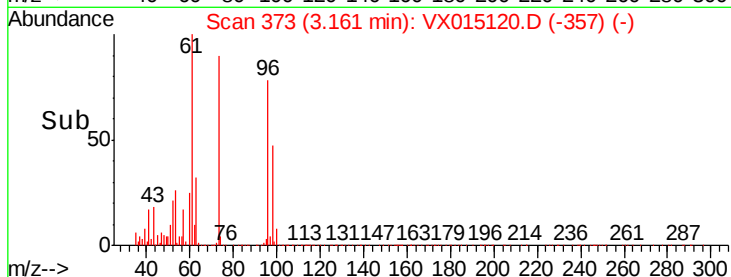
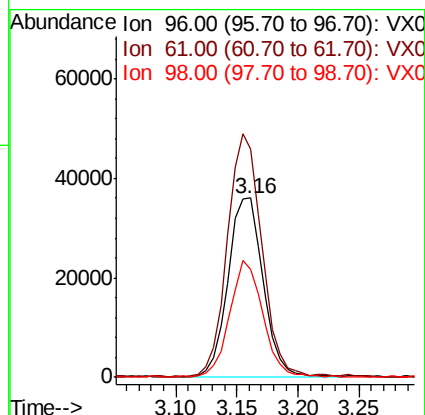
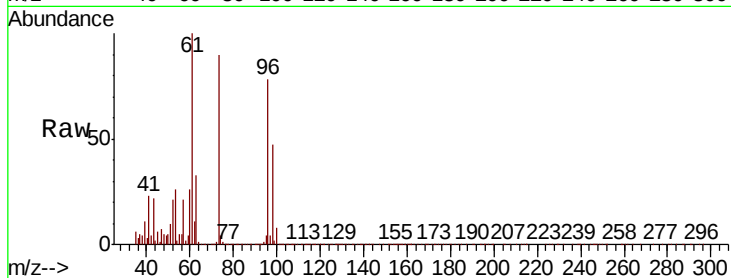




#19  
trans-1,2-Dichloroethene  
Concen: 19.862 ug/l  
RT: 3.16 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

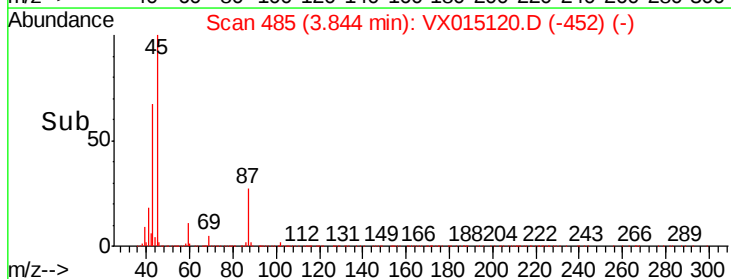
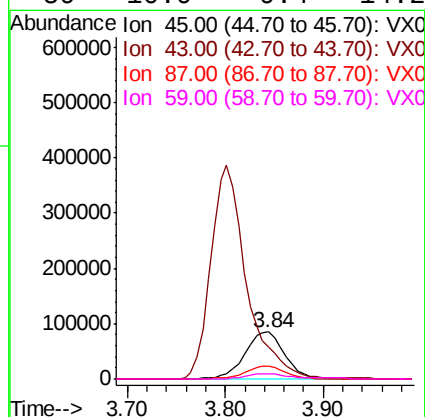
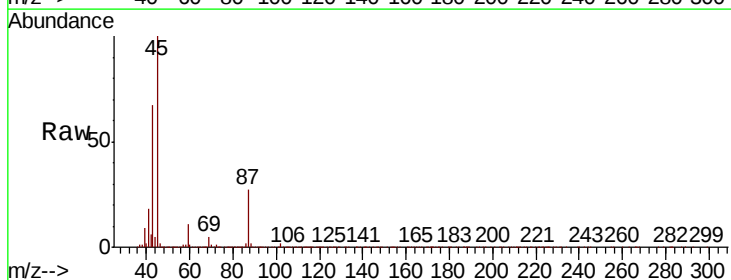
Instrument :  
MSVOA\_X  
ClientSampleId :

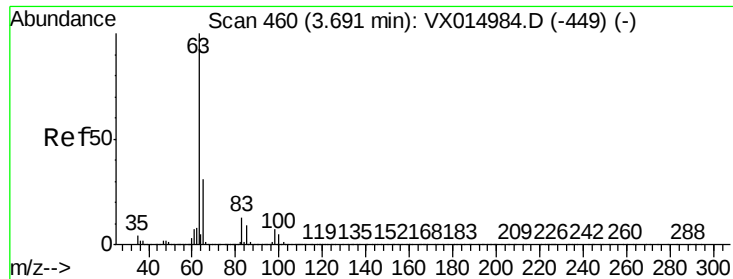
Tot Ion: 96 Resp: 71631  
Ion Ratio Lower Upper  
96 100  
61 126.9 107.1 160.7  
98 60.3 51.4 77.2



#20  
Diisopropyl ether  
Concen: 20.434 ug/l  
RT: 3.84 min Scan# 485  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

Tgt Ion: 45 Resp: 238357  
Ion Ratio Lower Upper  
45 100  
43 65.4 62.3 93.5  
87 27.1 21.8 32.6  
59 10.9 9.4 14.2

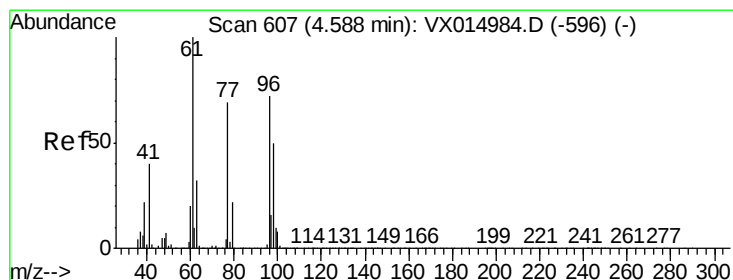
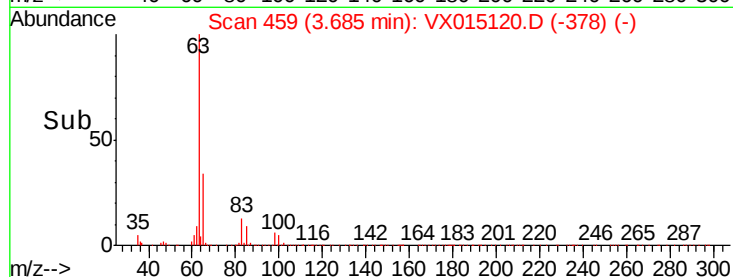
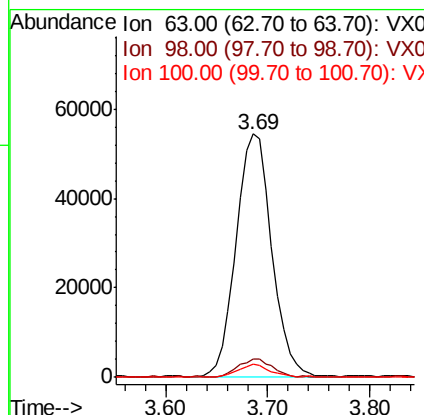
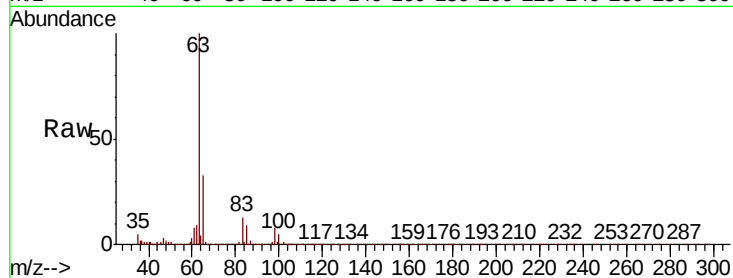




#21  
 1,1-Dichloroethane  
 Concen: 20.742 ug/l  
 RT: 3.69 min Scan# 459  
 Delta R.T. -0.01 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

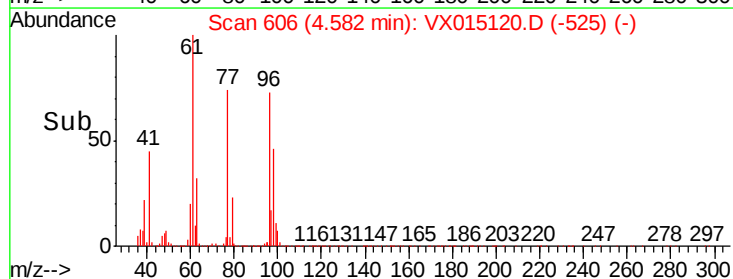
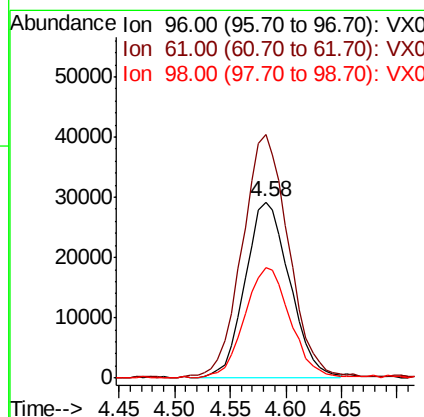
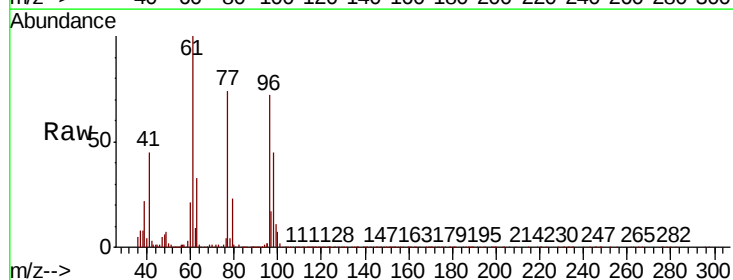
Instrument :  
 MSVOA\_X  
 ClientSampleId :

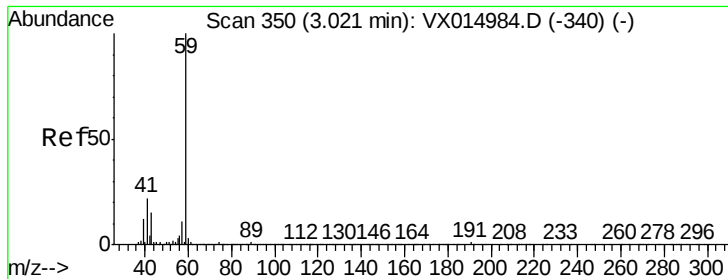
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 7.4   | 3.5   | 10.5  |
| 100     | 5.0   | 2.5   | 7.5   |



#22  
 cis-1,2-Dichloroethene  
 Concen: 19.587 ug/l  
 RT: 4.58 min Scan# 606  
 Delta R.T. -0.01 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 144.9 | 110.6 | 165.8 |
| 98      | 63.7  | 50.4  | 75.6  |



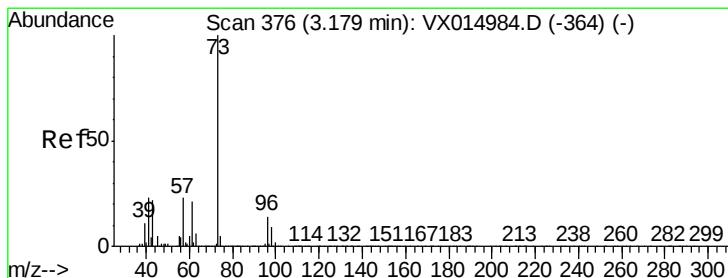
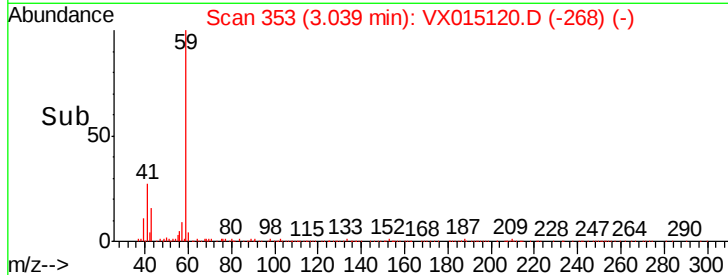
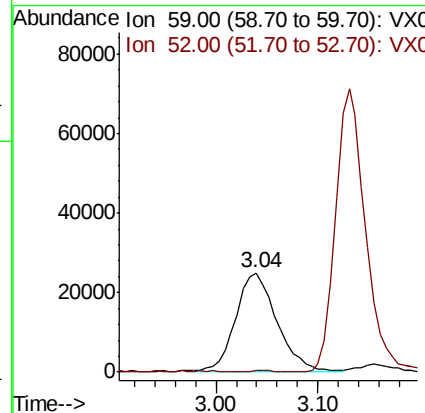
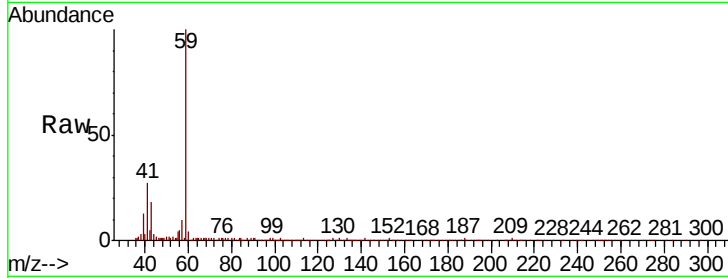


#23

tert-Butyl Alcohol  
 Concen: 95.191 ug/l  
 RT: 3.04 min Scan# 353  
 Delta R.T. 0.02 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

Instrument :  
 MSVOA\_X  
 ClientSampleId :

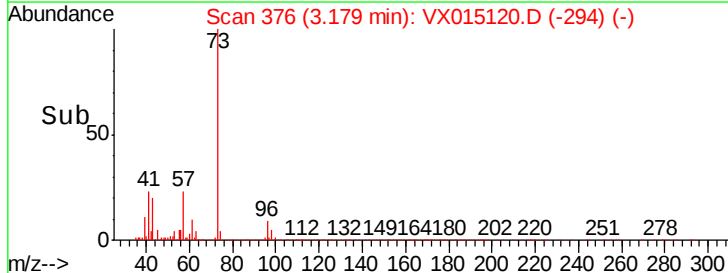
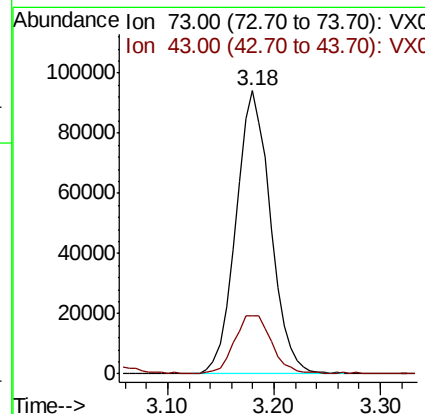
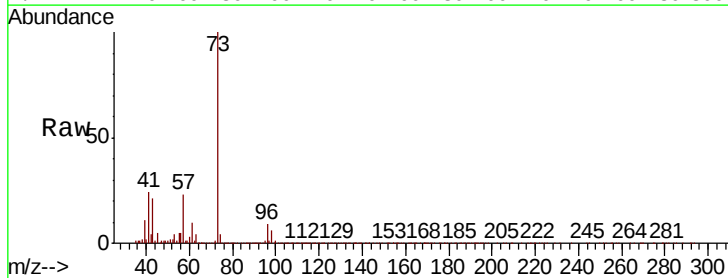
Tot Ion: 59 Resp: 69628  
 Ion Ratio Lower Upper  
 59 100  
 52 0.7 0.4 0.6#

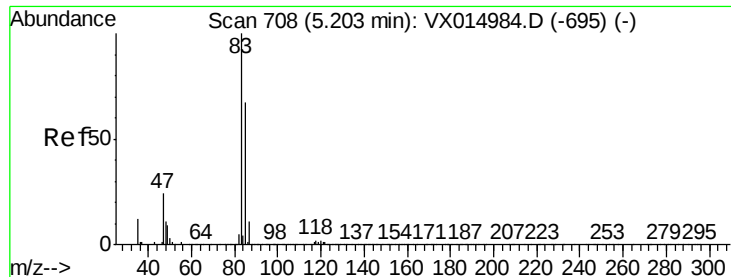


#24

Methyl tert-Butyl Ether  
 Concen: 19.636 ug/l  
 RT: 3.18 min Scan# 376  
 Delta R.T. 0.00 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

Tgt Ion: 73 Resp: 214510  
 Ion Ratio Lower Upper  
 73 100  
 43 21.7 17.7 26.5

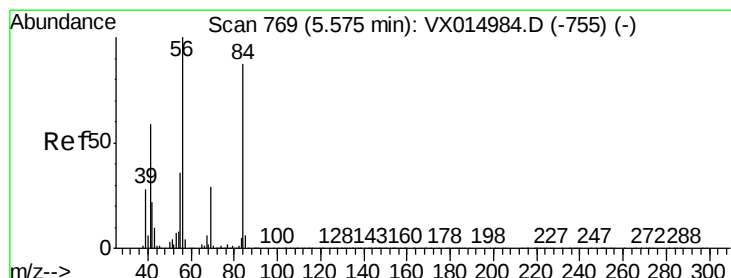
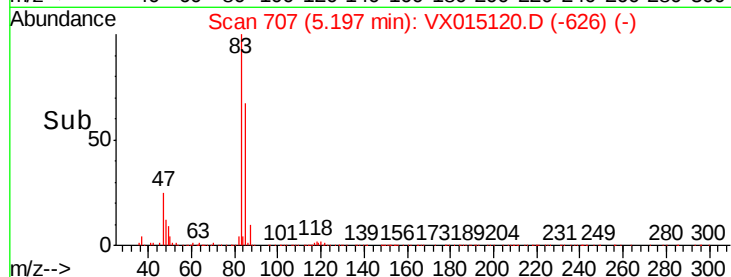
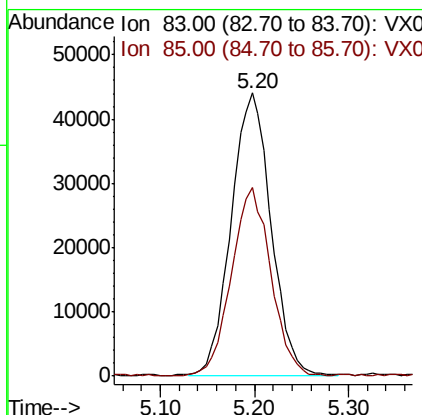
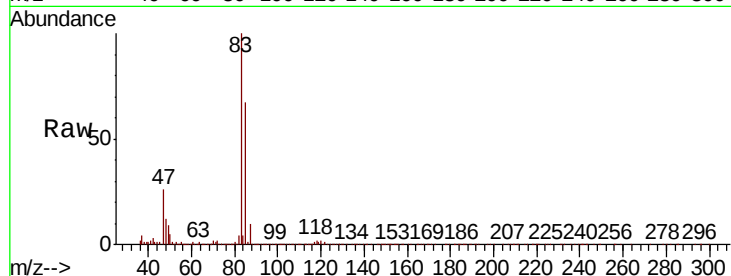




#25  
Chloroform  
Concen: 20.181 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. -0.01 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

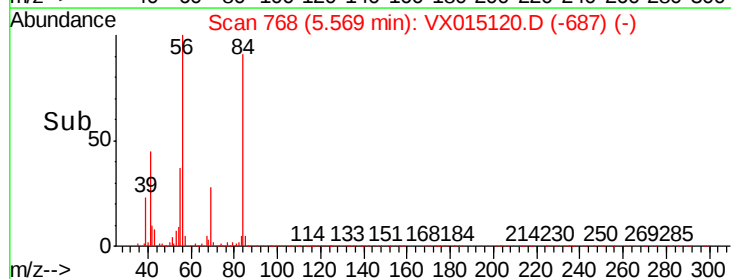
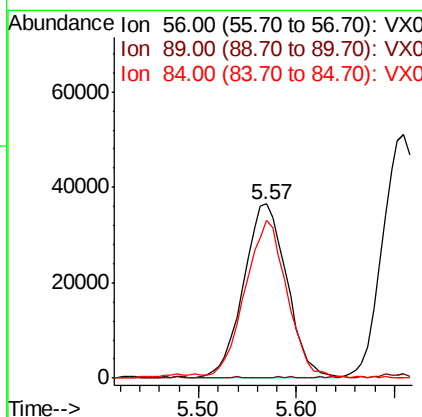
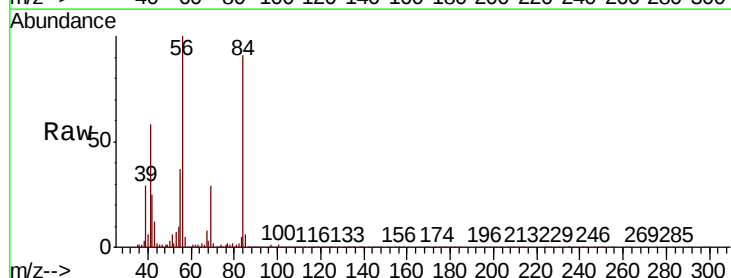
Instrument :  
MSVOA\_X  
ClientSampleId :

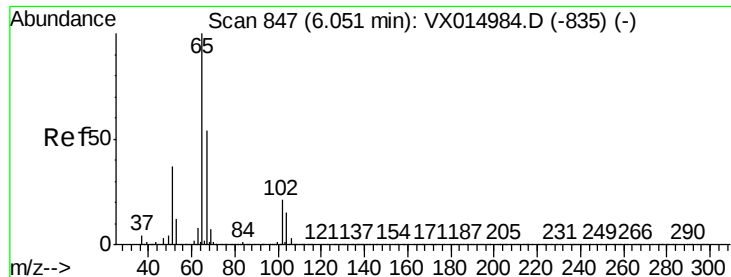
Tot Ion: 83 Resp: 130132  
Ion Ratio Lower Upper  
83 100  
85 66.4 53.4 80.0



#26  
Cyclohexane  
Concen: 19.514 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. -0.01 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

Tgt Ion: 56 Resp: 111523  
Ion Ratio Lower Upper  
56 100  
89 0.2 0.2 0.2  
84 87.3 71.8 107.8





#27

1,2-Dichloroethane-d4

Concen: 29.782 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

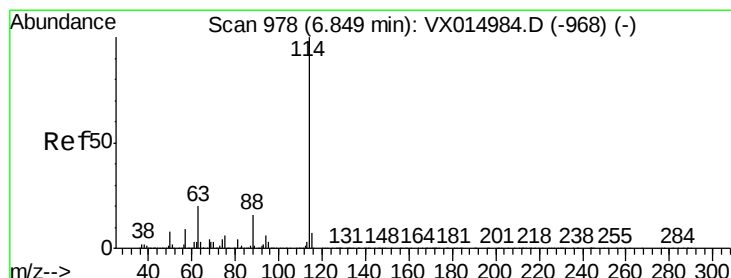
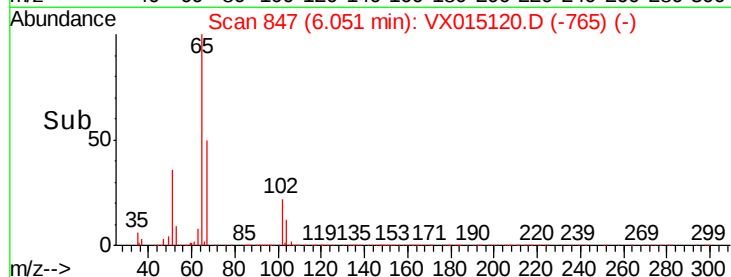
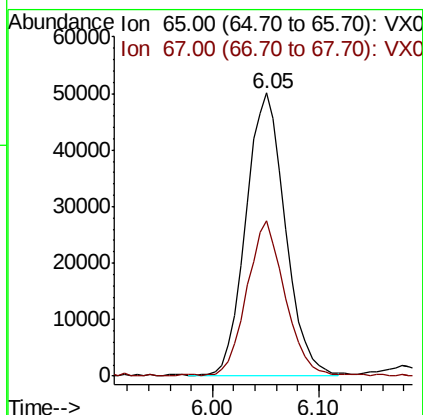
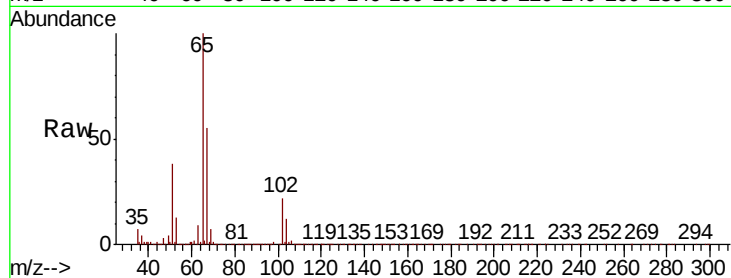
ClientSampleId :

Tot Ion: 65 Resp: 129352

Ion Ratio Lower Upper

65 100

67 52.5 41.9 62.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

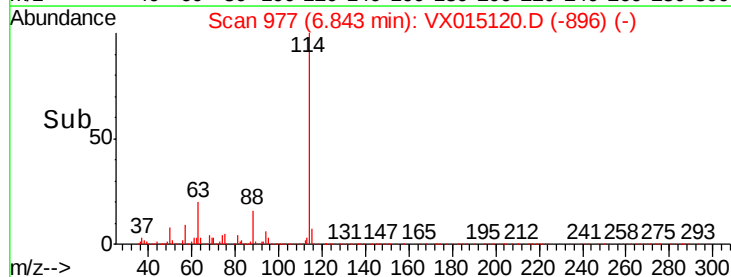
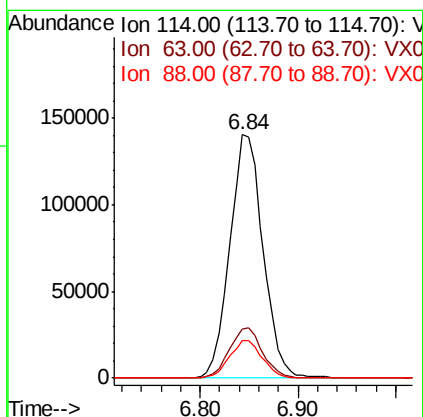
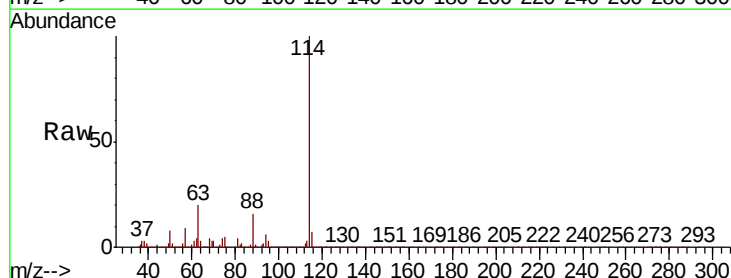
Tgt Ion: 114 Resp: 330112

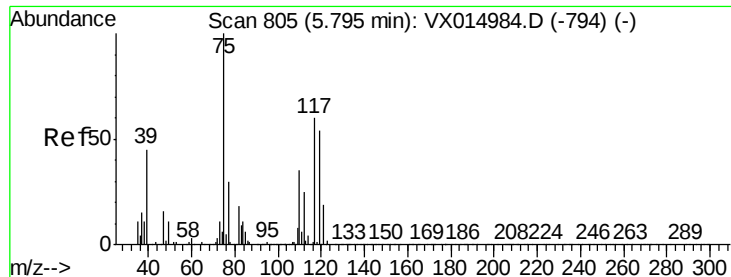
Ion Ratio Lower Upper

114 100

63 20.5 15.6 23.4

88 15.2 12.2 18.2

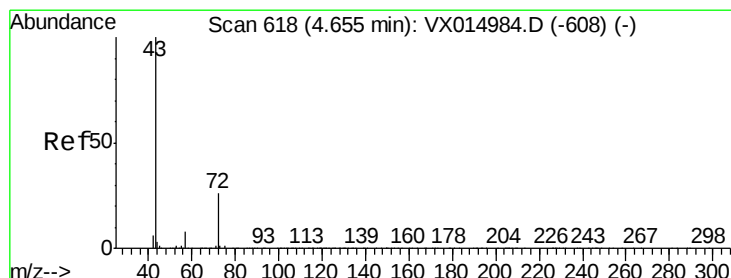
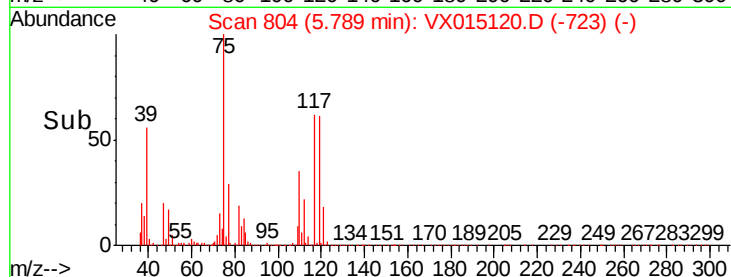
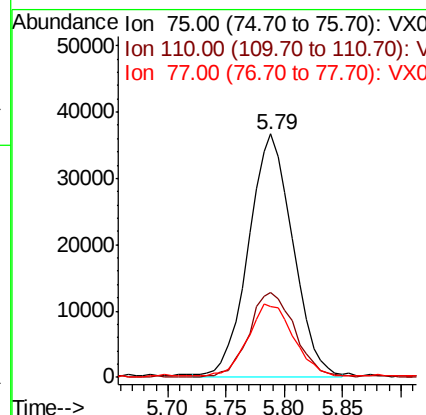
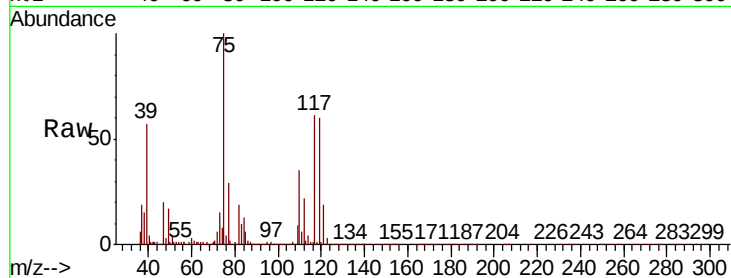




#29  
 1,1-Dichloropropene  
 Concen: 20.709 ug/l  
 RT: 5.79 min Scan# 804  
 Delta R.T. -0.01 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

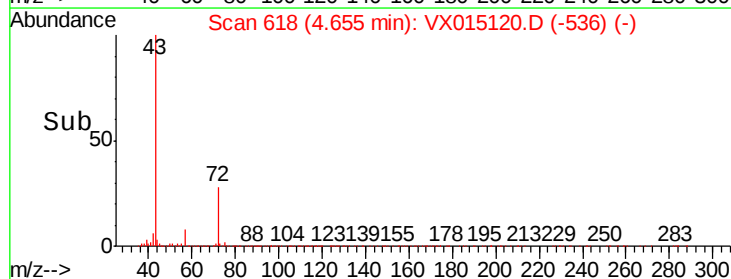
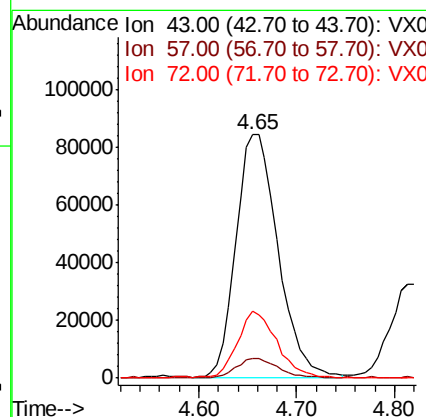
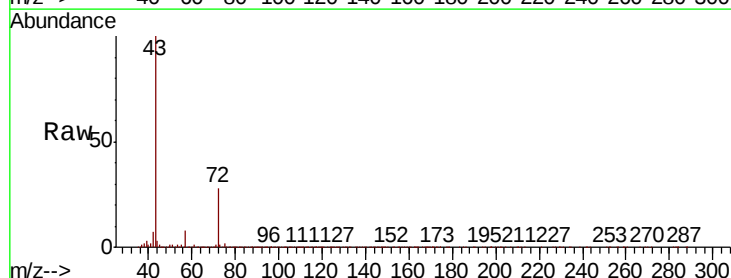
Instrument :  
 MSVOA\_X  
 ClientSampleId :

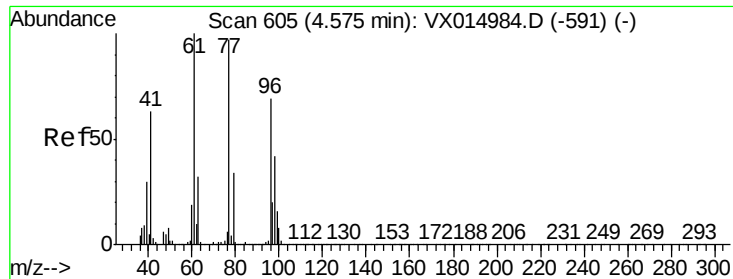
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 96695 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 36.3  | 0.0   | 75.0  |
| 77       | 30.9  | 0.0   | 64.0  |



#30  
 2-Butanone  
 Concen: 93.159 ug/l  
 RT: 4.65 min Scan# 618  
 Delta R.T. 0.00 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 251074 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 57       | 7.9   | 6.5   | 9.7    |
| 72       | 25.3  | 20.3  | 30.5   |





#31

2,2-Dichloropropane

Concen: 20.168 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

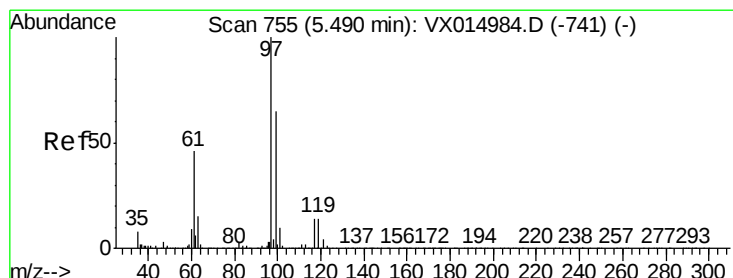
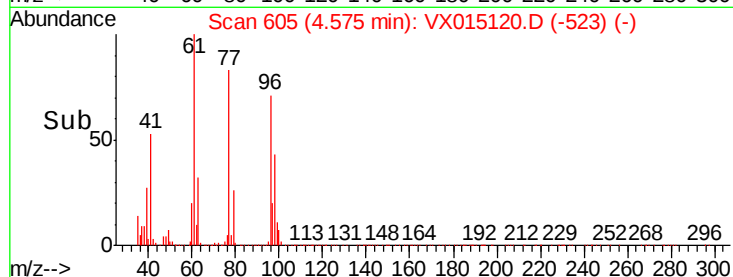
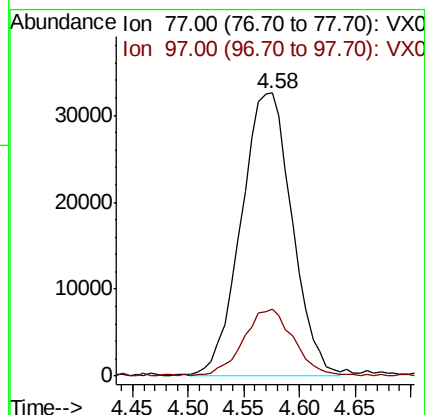
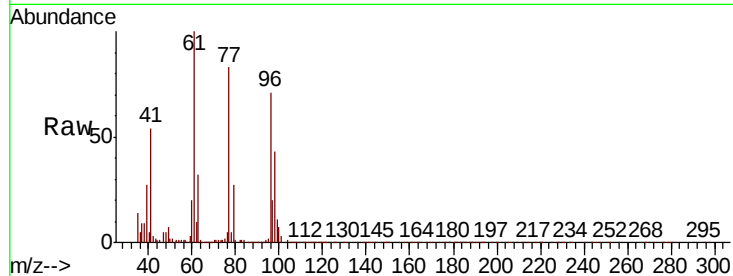
ClientSampleId :

Tot Ion: 77 Resp: 103403

Ion Ratio Lower Upper

77 100

97 23.5 18.4 27.6



#32

1,1,1-Trichloroethane

Concen: 20.597 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

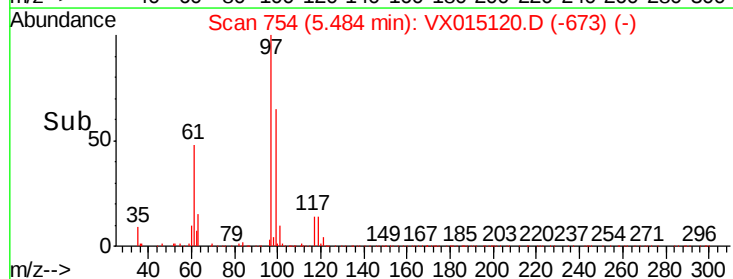
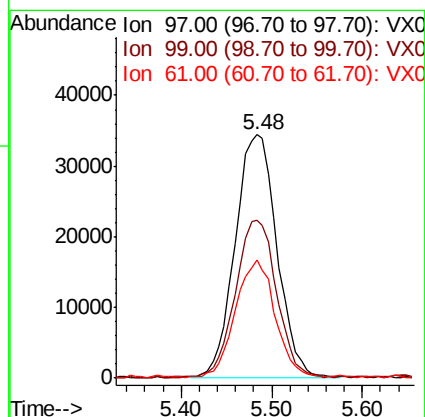
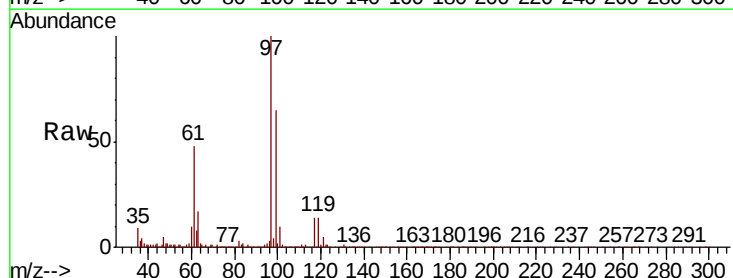
Tgt Ion: 97 Resp: 109214

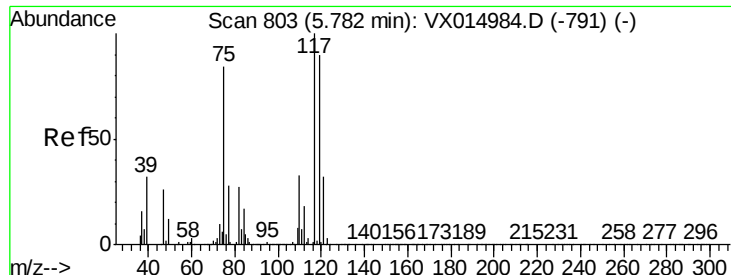
Ion Ratio Lower Upper

97 100

99 64.9 53.0 79.6

61 45.5 36.2 54.2

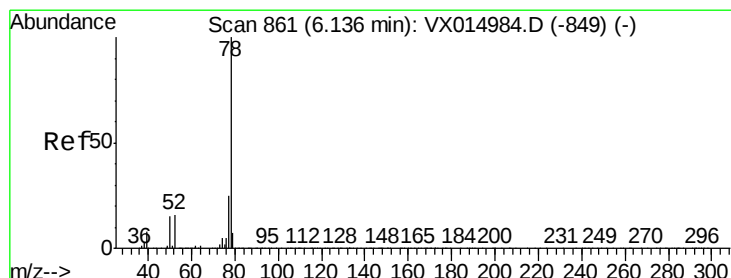
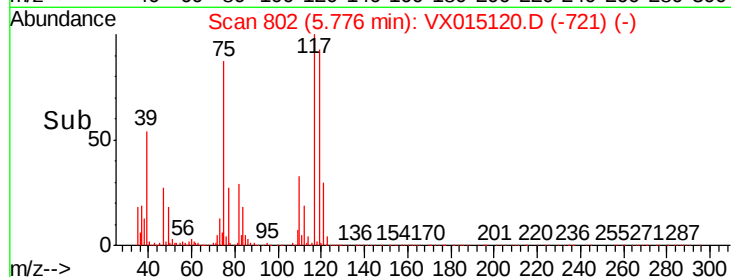
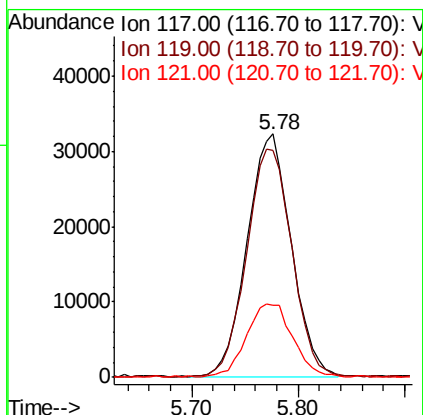
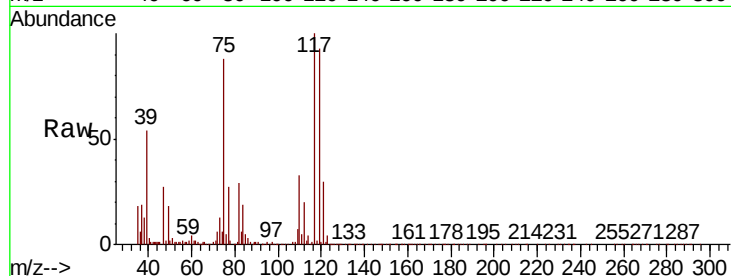




#33  
Carbon Tetrachloride  
Concen: 20.306 ug/l  
RT: 5.78 min Scan# 802  
Delta R.T. -0.01 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

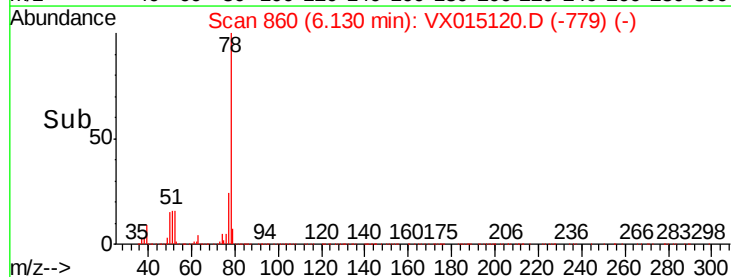
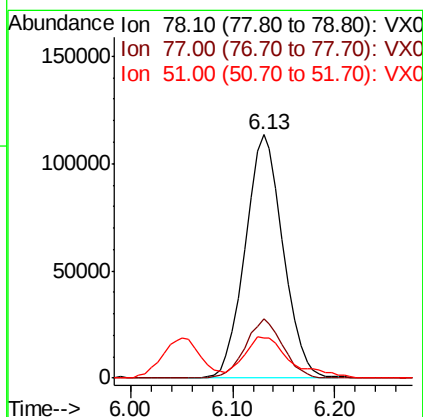
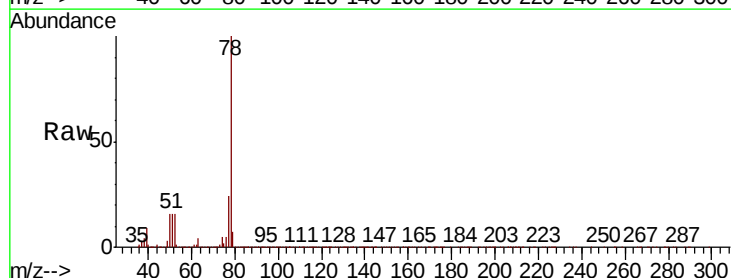
Instrument :  
MSVOA\_X  
ClientSampleId :

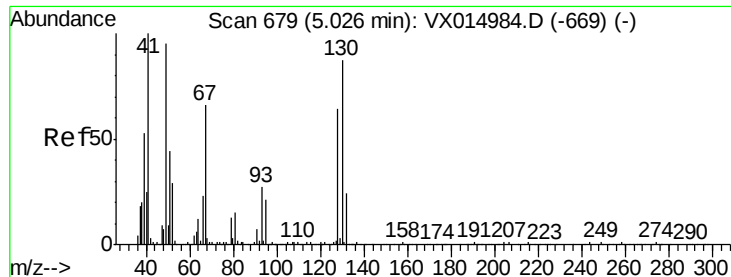
Tot Ion:117 Resp: 94256  
Ion Ratio Lower Upper  
117 100  
119 93.1 71.9 107.9  
121 29.2 25.4 38.2



#34  
Benzene  
Concen: 20.729 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

Tgt Ion: 78 Resp: 292061  
Ion Ratio Lower Upper  
78 100  
77 24.4 20.0 30.0  
51 15.1 13.3 19.9

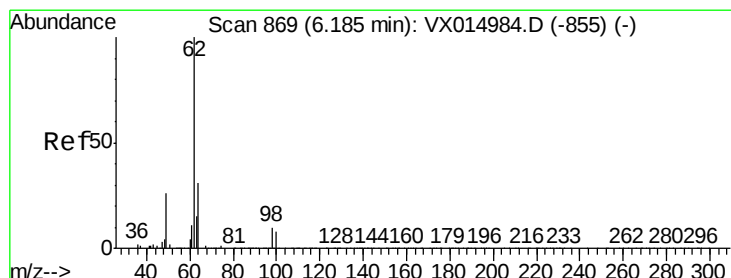
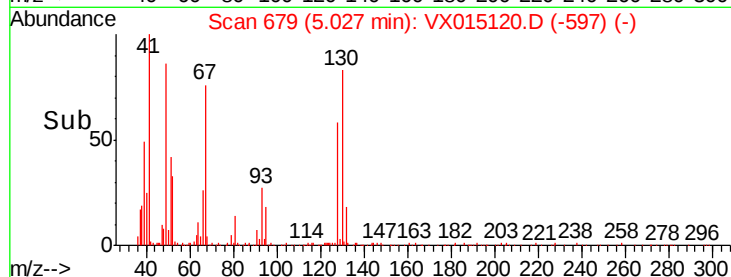
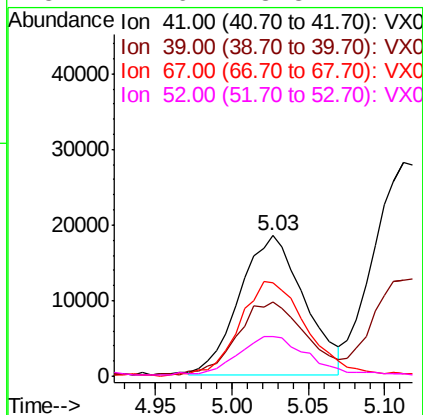
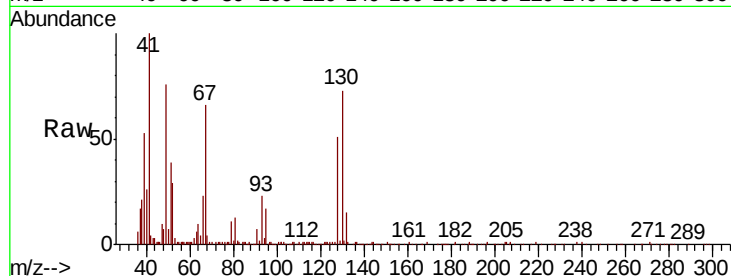




#35  
Methacrylonitrile  
Concen: 19.844 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

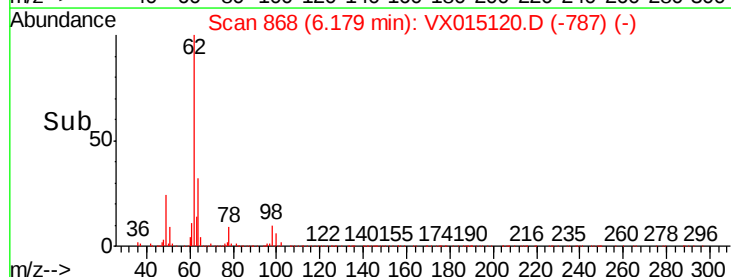
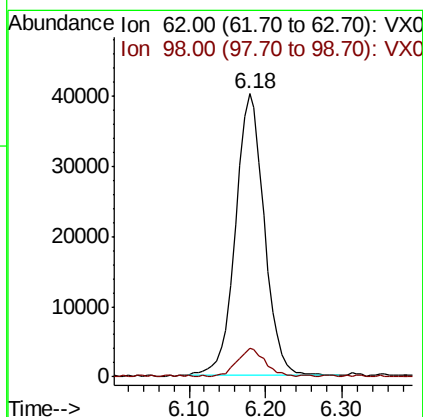
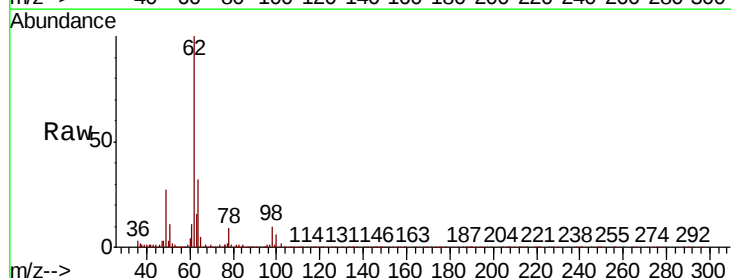
Instrument :  
MSVOA\_X  
ClientSampleId :

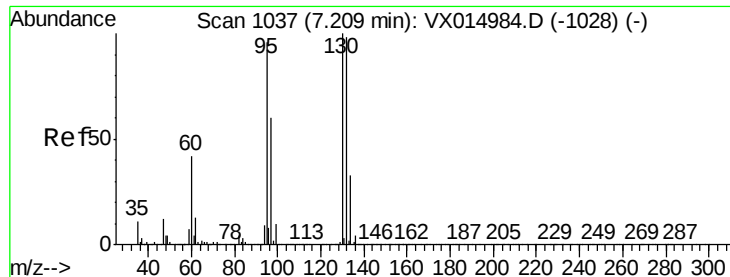
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 54557 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 50.9  | 25.9  | 77.7  |
| 67       | 66.5  | 32.7  | 98.1  |
| 52       | 27.6  | 13.8  | 41.4  |



#36  
1,2-Dichloroethane  
Concen: 20.924 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. -0.01 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 104352 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.5   | 7.5   | 11.3   |





#37

Trichloroethene

Concen: 20.348 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

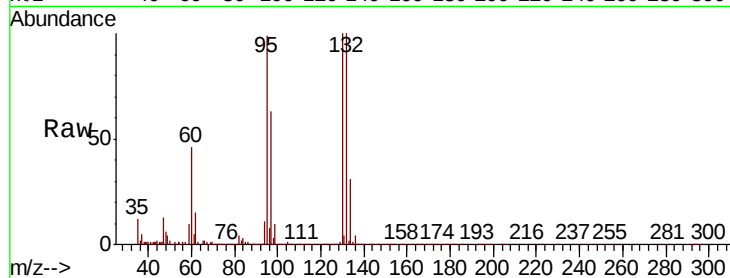
ClientSampleId :

Tot Ion:130 Resp: 80493

Ion Ratio Lower Upper

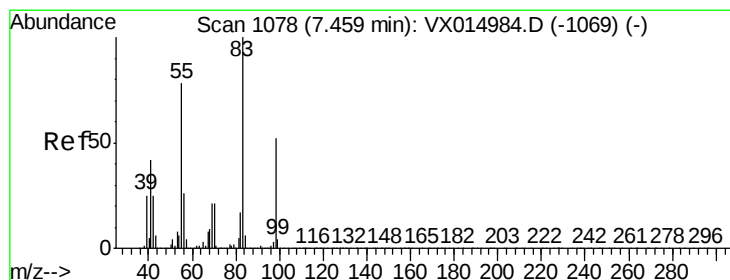
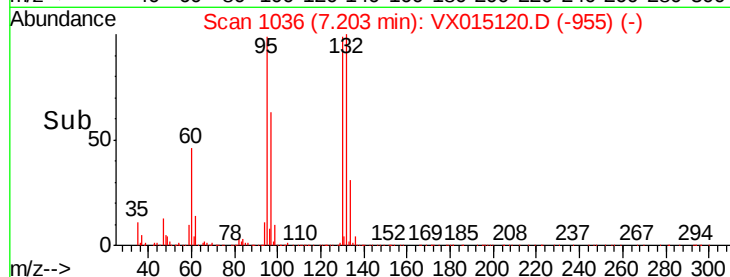
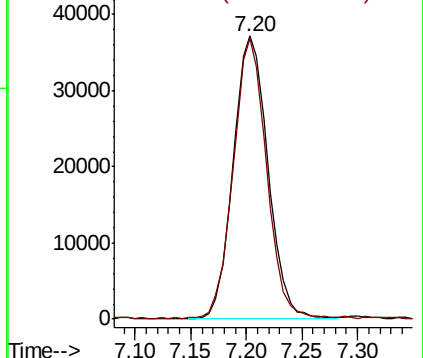
130 100

95 99.0 77.1 115.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 19.594 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

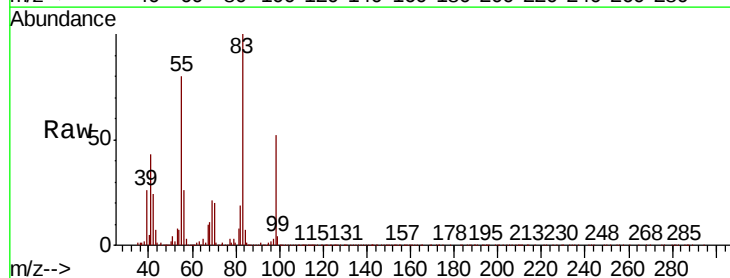
Tgt Ion: 83 Resp: 113402

Ion Ratio Lower Upper

83 100

55 77.5 38.2 114.6

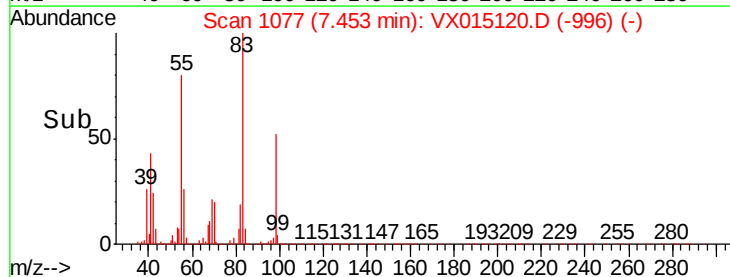
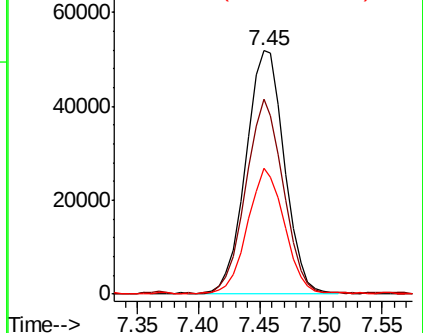
98 50.2 25.3 75.8

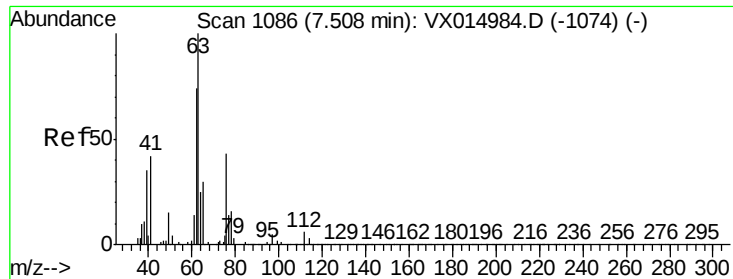


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

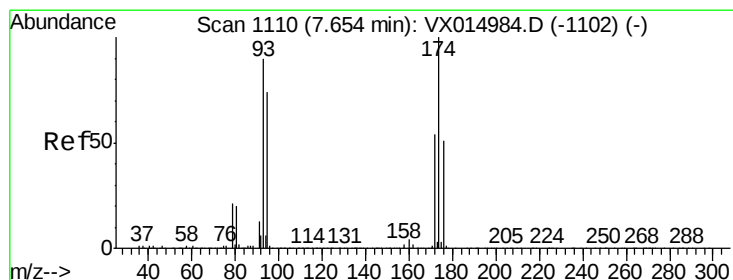
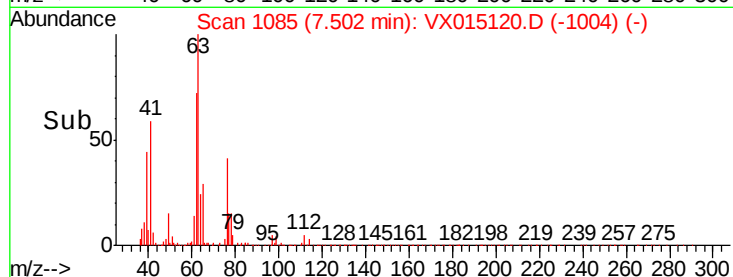
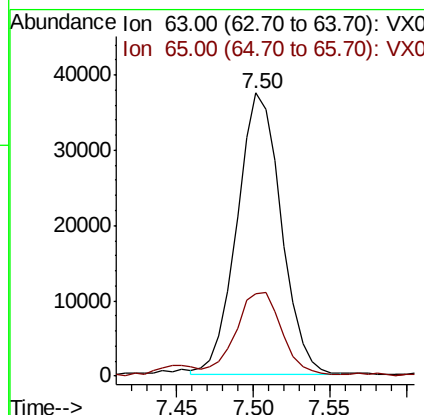
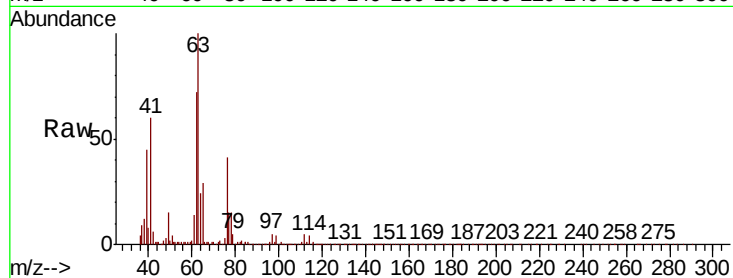




#39  
 1,2-Dichloropropane  
 Concen: 20.840 ug/l  
 RT: 7.50 min Scan# 1085  
 Delta R.T. -0.01 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

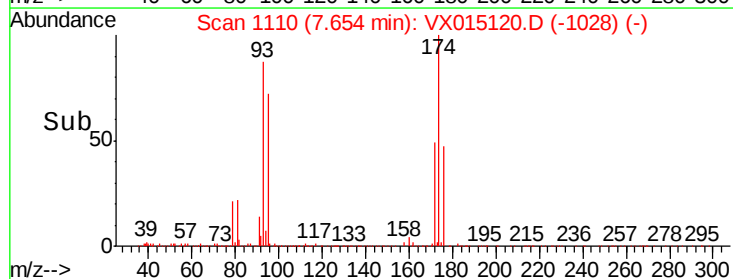
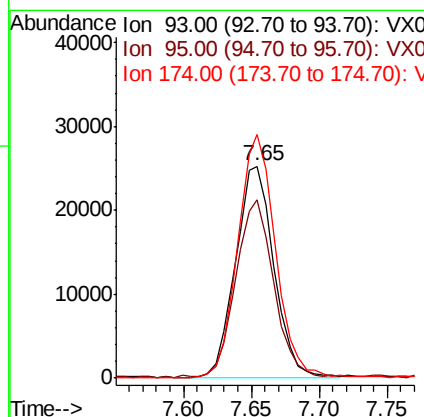
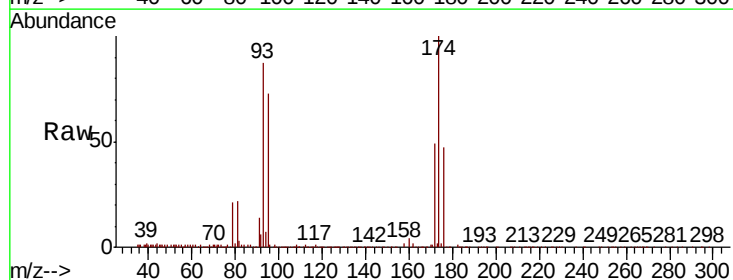
Instrument :  
 MSVOA\_X  
 ClientSampleId :

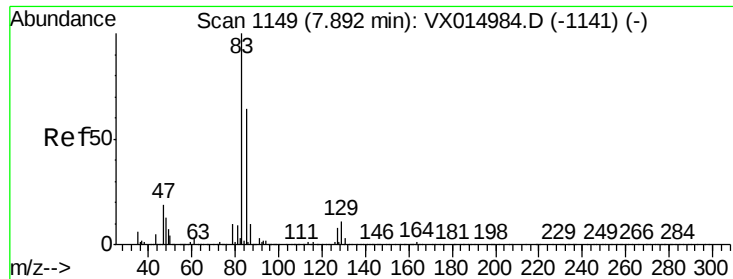
Tot Ion: 63 Resp: 75579  
 Ion Ratio Lower Upper  
 63 100  
 65 28.8 24.6 36.8



#40  
 Dibromomethane  
 Concen: 20.493 ug/l  
 RT: 7.65 min Scan# 1110  
 Delta R.T. 0.00 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

Tgt Ion: 93 Resp: 49627  
 Ion Ratio Lower Upper  
 93 100  
 95 81.7 0.0 164.6  
 174 113.4 0.0 226.4





#41

Bromodichloromethane

Concen: 20.692 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

ClientSampleId :

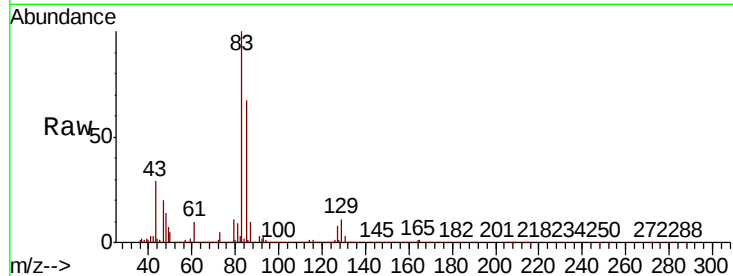
Tot Ion: 83 Resp: 98986

Ion Ratio Lower Upper

83 100

85 66.8 51.0 76.4

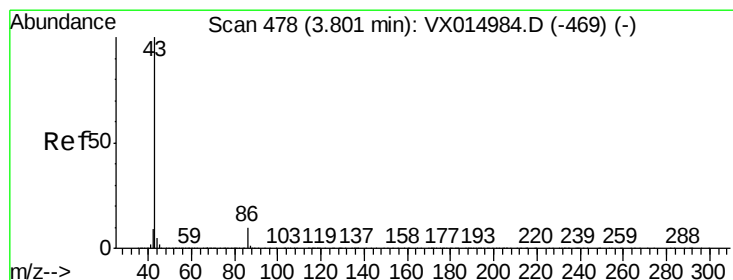
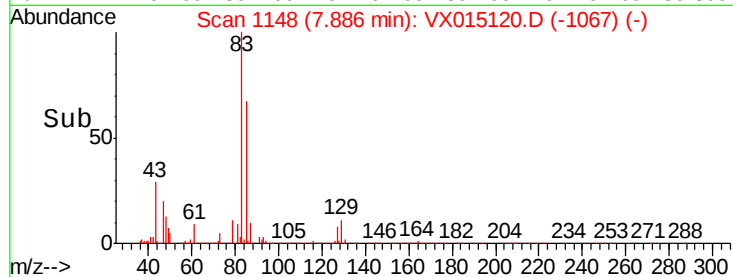
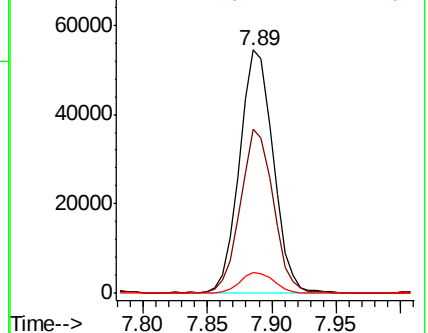
127 8.1 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 103.353 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX015120.D

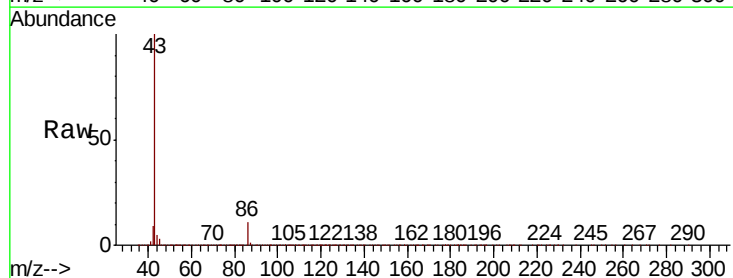
Acq: 06 Mar 2020 12:27

Tgt Ion: 43 Resp: 980432

Ion Ratio Lower Upper

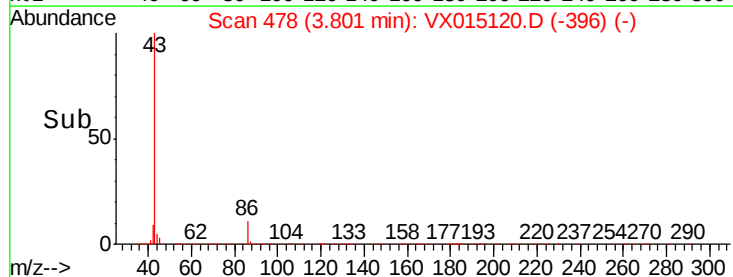
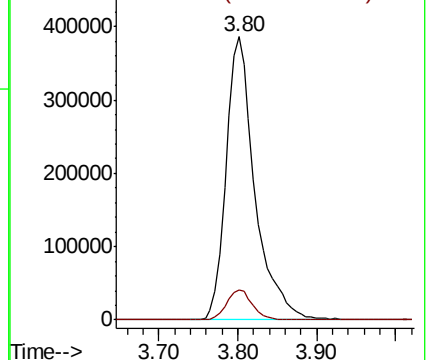
43 100

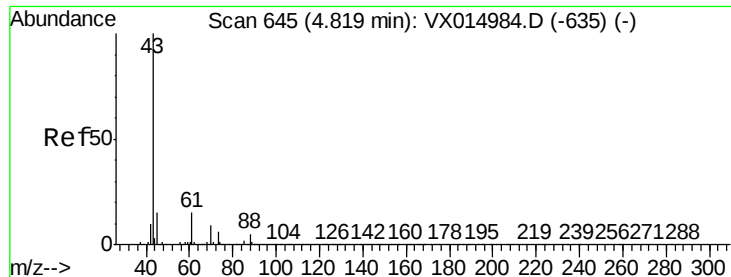
86 9.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

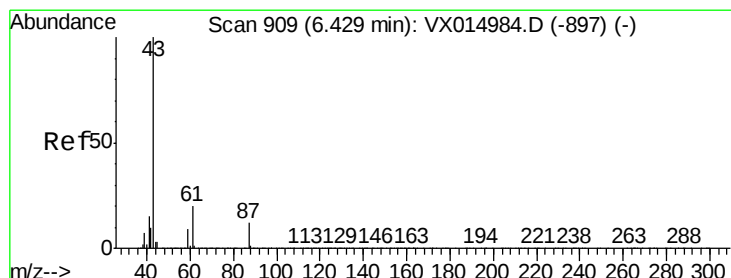
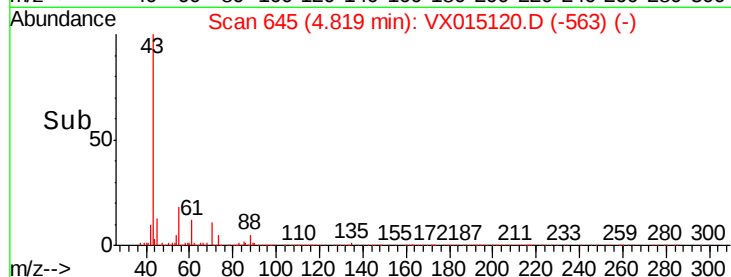
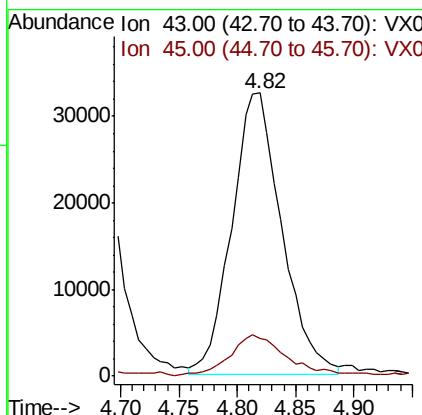
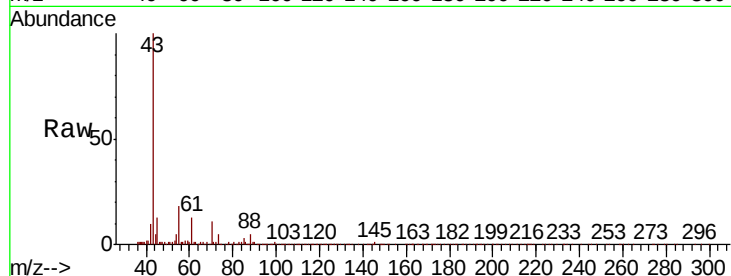




#43  
Ethyl Acetate  
Concen: 19.828 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

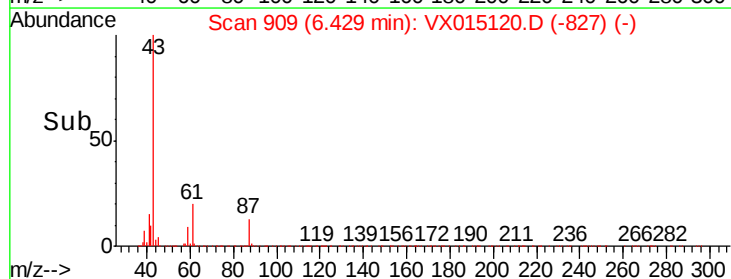
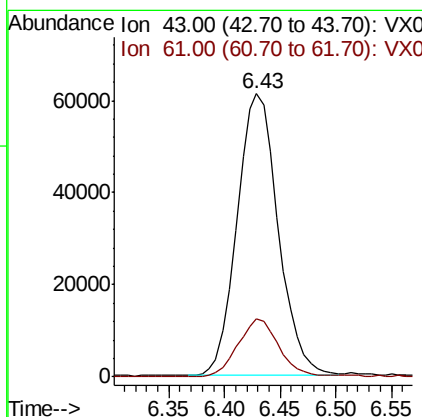
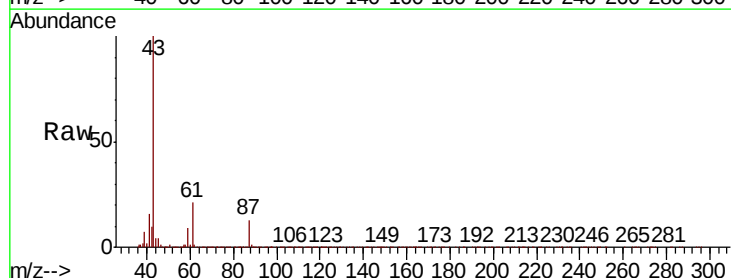
Instrument :  
MSVOA\_X  
ClientSampleId :

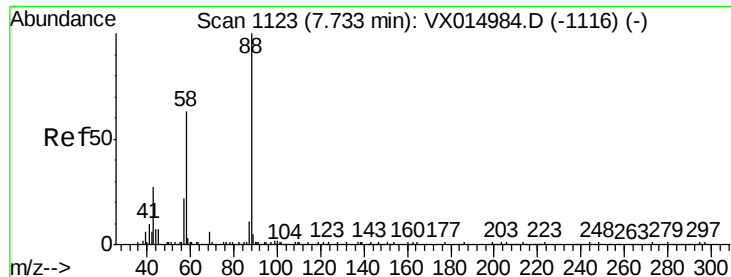
Tot Ion: 43 Resp: 96692  
Ion Ratio Lower Upper  
43 100  
45 16.8 10.8 16.2#



#44  
Isopropyl Acetate  
Concen: 19.165 ug/l  
RT: 6.43 min Scan# 909  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

Tgt Ion: 43 Resp: 157107  
Ion Ratio Lower Upper  
43 100  
61 20.5 15.6 23.4

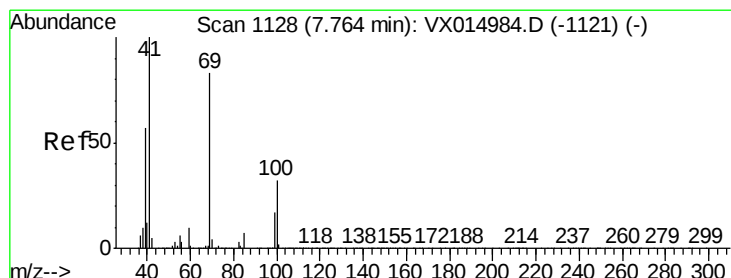
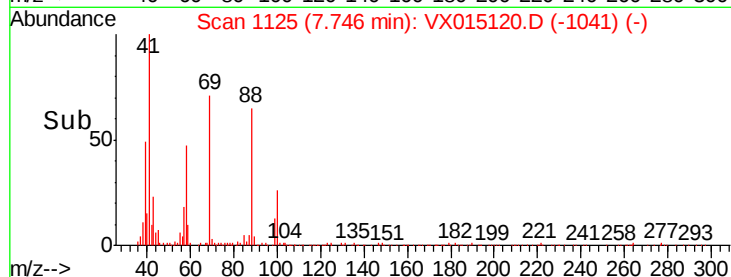
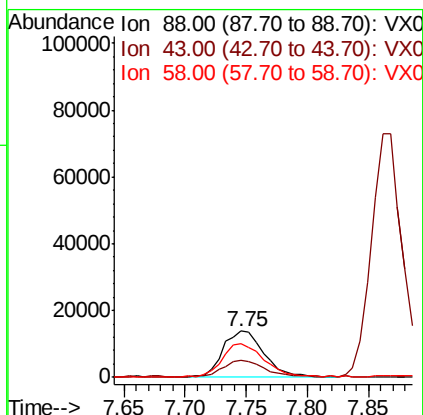
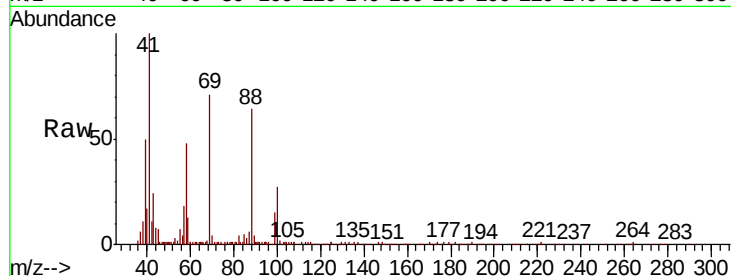




#45  
1,4-Dioxane  
Concen: 424.658 ug/l  
RT: 7.75 min Scan# 1125  
Delta R.T. 0.01 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

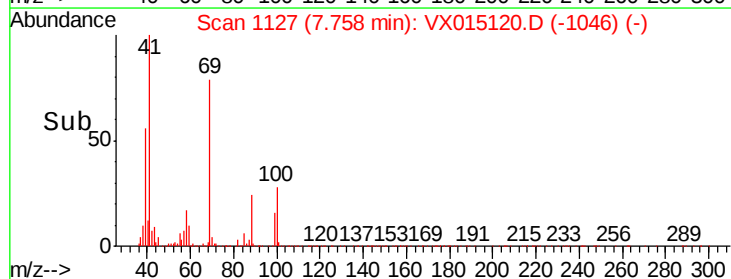
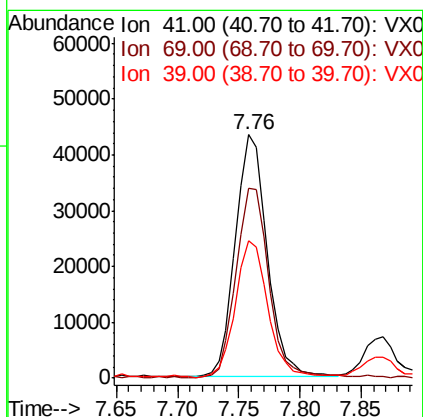
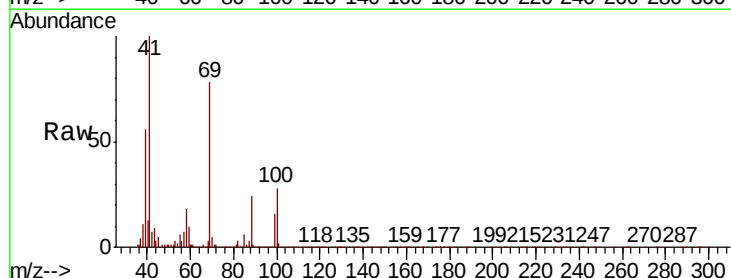
Instrument :  
MSVOA\_X  
ClientSampleId :

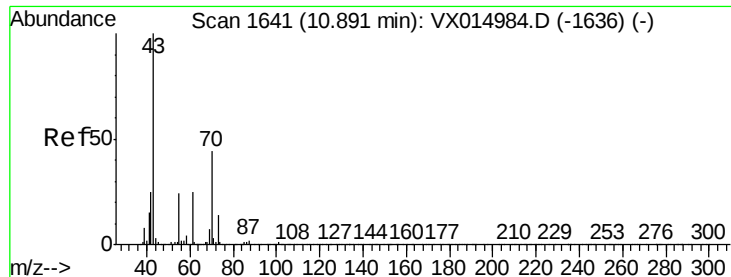
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 34.3  | 25.4  | 38.2  |
| 58      | 71.9  | 55.8  | 83.8  |



#46  
Methyl methacrylate  
Concen: 19.449 ug/l  
RT: 7.76 min Scan# 1127  
Delta R.T. -0.01 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 78.1  | 41.4  | 124.2 |
| 39      | 55.7  | 28.3  | 84.9  |





#47

n-amvl Acetate

Concen: 18.875 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

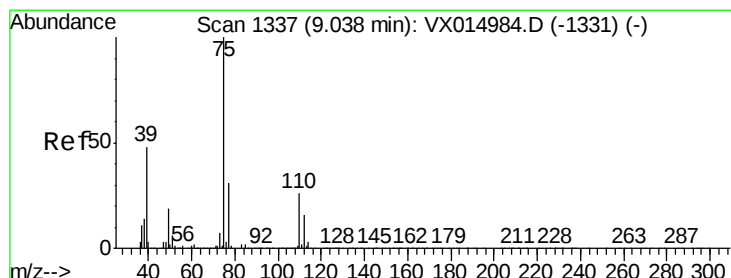
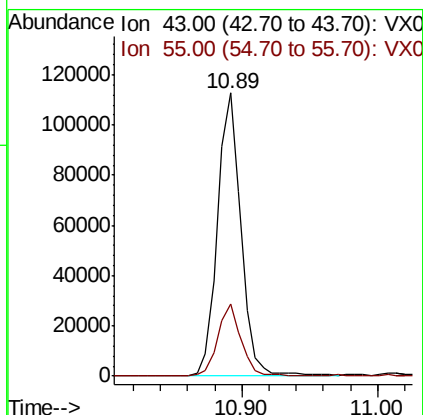
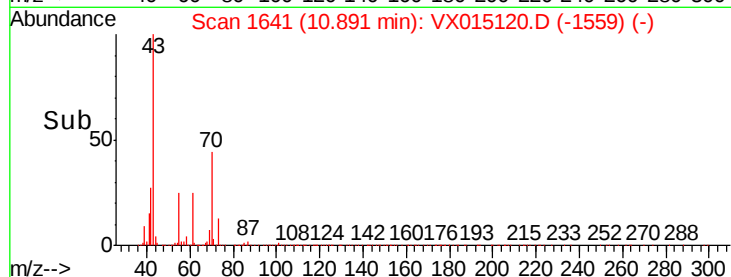
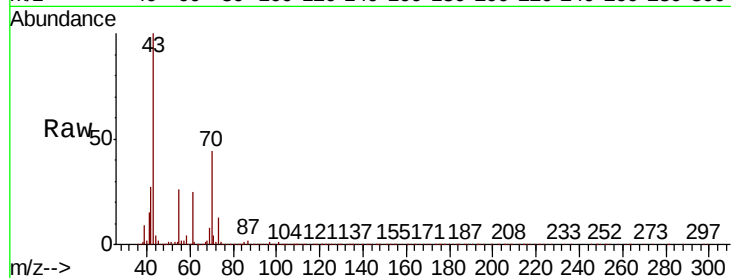
ClientSampleId :

Tot Ion: 43 Resp: 134043

Ion Ratio Lower Upper

43 100

55 24.4 19.2 28.8



#48

t-1,3-Dichloropropene

Concen: 19.915 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX015120.D

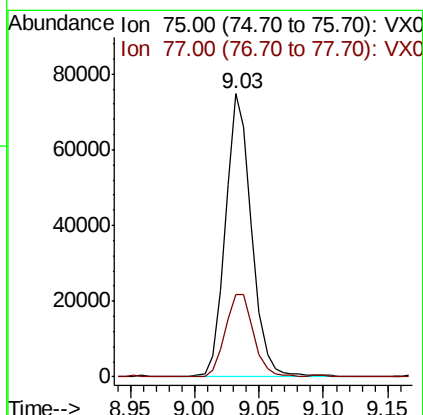
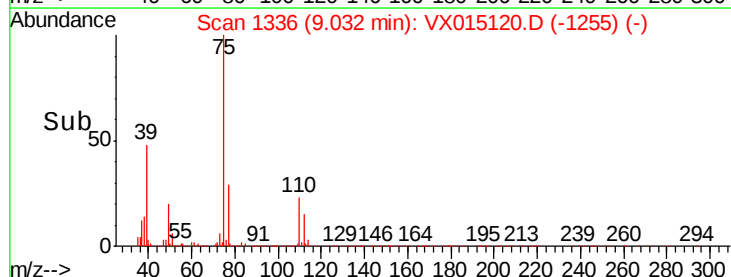
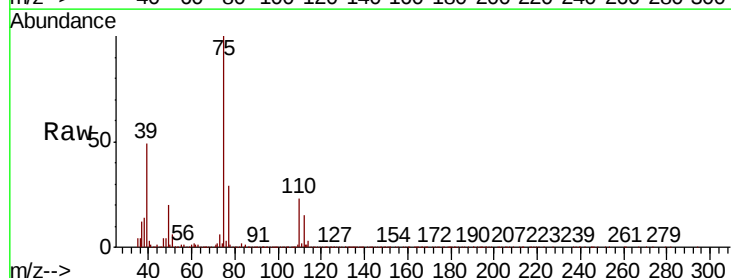
Acq: 06 Mar 2020 12:27

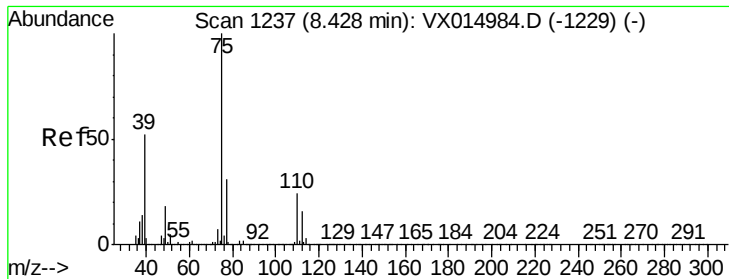
Tgt Ion: 75 Resp: 105698

Ion Ratio Lower Upper

75 100

77 29.1 24.6 36.8



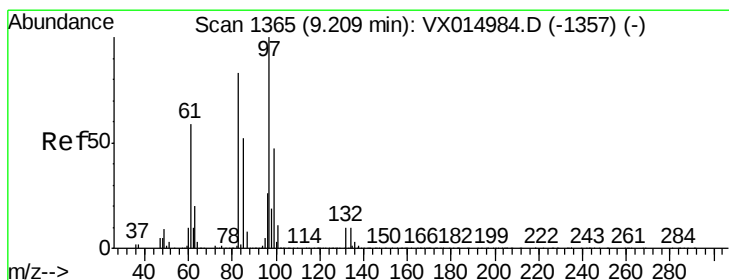
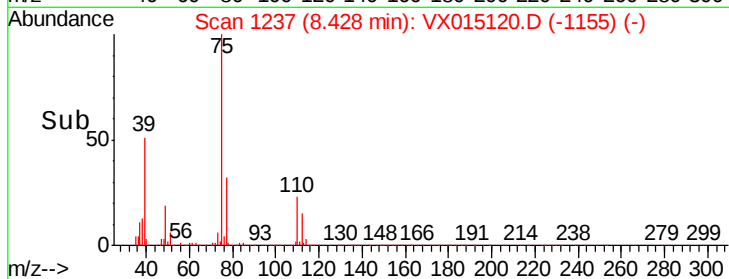
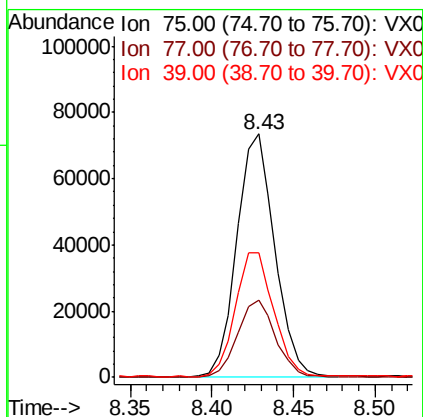
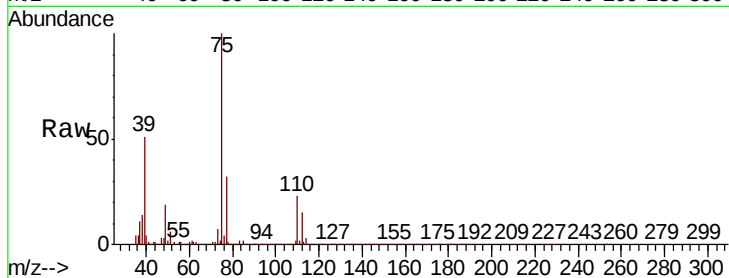


#49

cis-1,3-Dichloropropene  
 Concen: 20.395 ug/l  
 RT: 8.43 min Scan# 1237  
 Delta R.T. 0.00 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

Instrument :  
 MSVOA\_X  
 ClientSampleId :

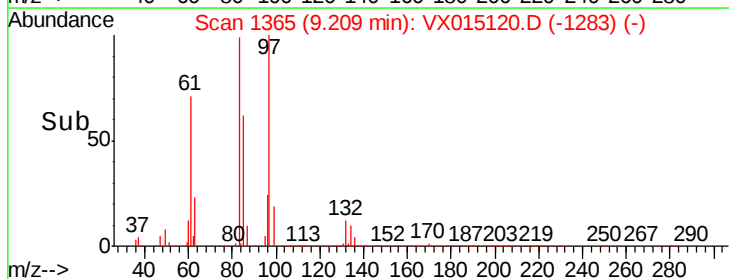
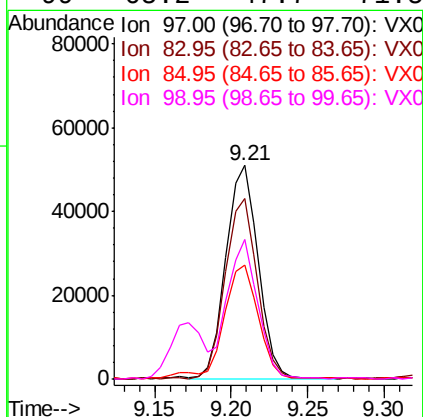
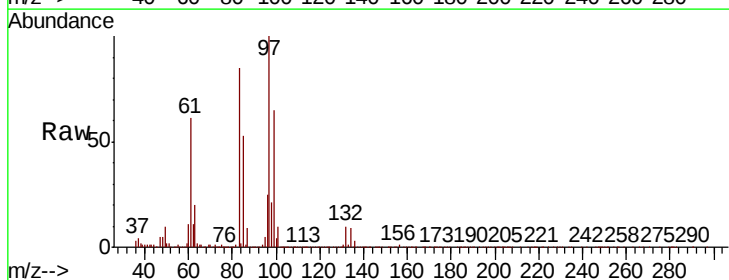
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 119167 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 31.5  | 24.6  | 36.8   |
| 39       | 51.1  | 41.5  | 62.3   |

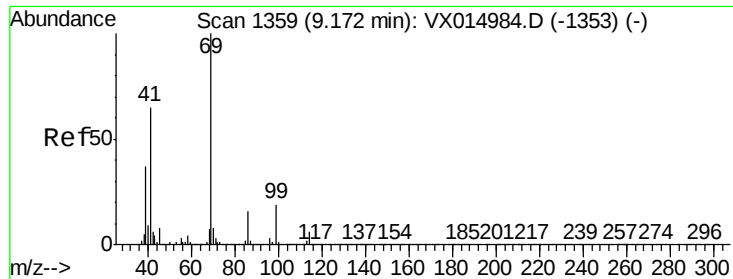


#50

1,1,2-Trichloroethane  
 Concen: 20.697 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 74674 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.8  | 66.2  | 99.2  |
| 85       | 53.0  | 42.4  | 63.6  |
| 99       | 65.2  | 47.7  | 71.5  |





#51

Ethyl methacrylate

Concen: 19.243 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

ClientSampleId :

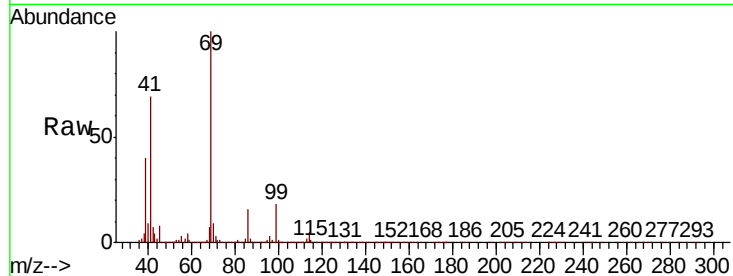
Tot Ion: 69 Resp: 107157

Ion Ratio Lower Upper

69 100

41 67.9 32.7 98.1

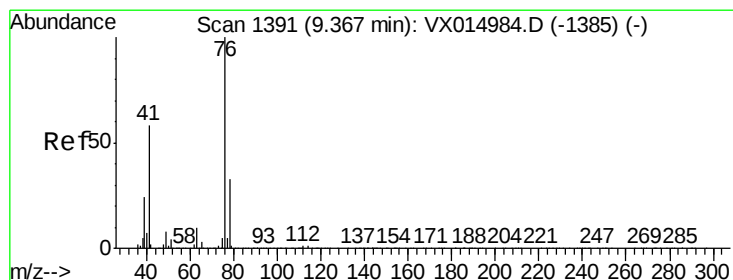
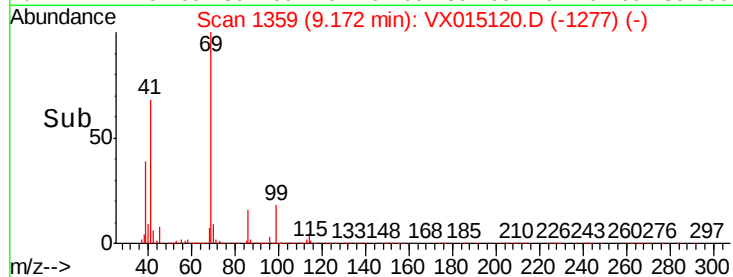
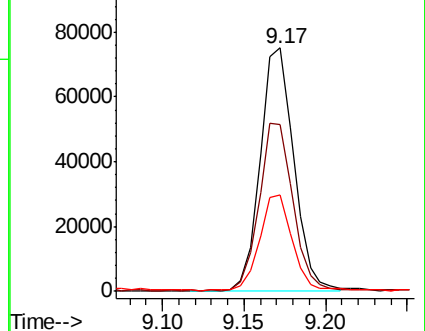
39 39.3 18.2 54.6



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 21.227 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX015120.D

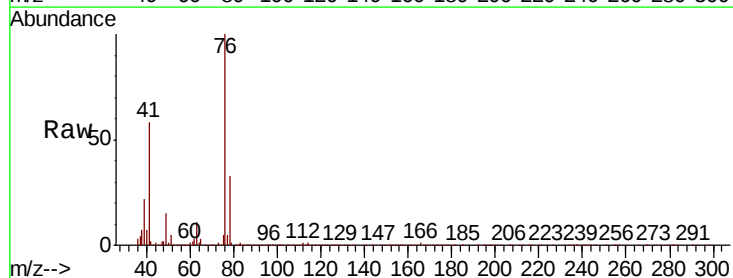
Acq: 06 Mar 2020 12:27

Tgt Ion: 76 Resp: 129558

Ion Ratio Lower Upper

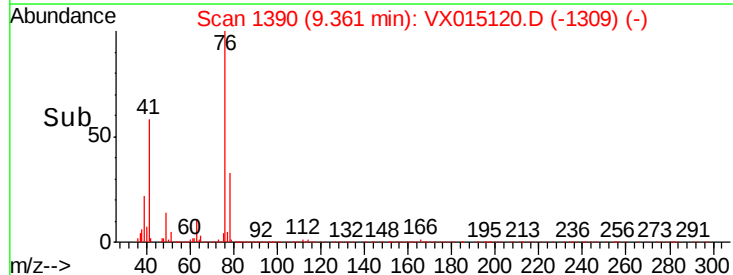
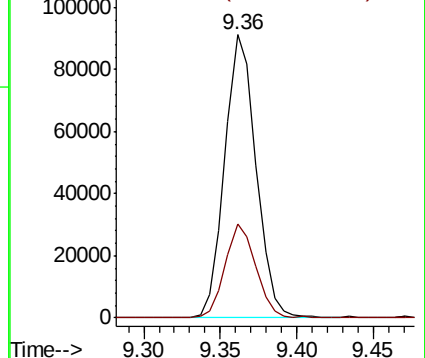
76 100

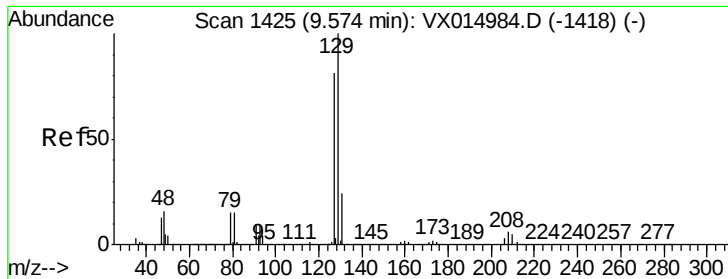
78 32.3 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 20.380 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

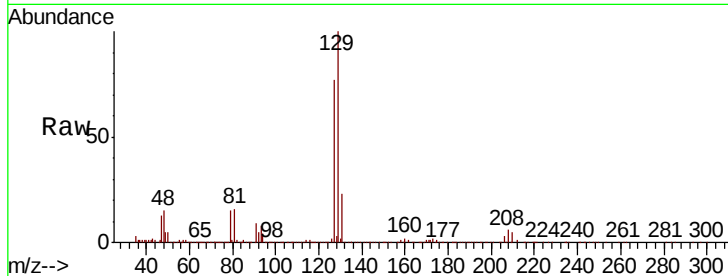
ClientSampleId :

Tot Ion:129 Resp: 79498

Ion Ratio Lower Upper

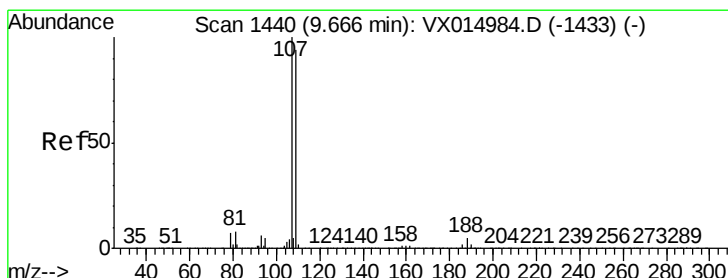
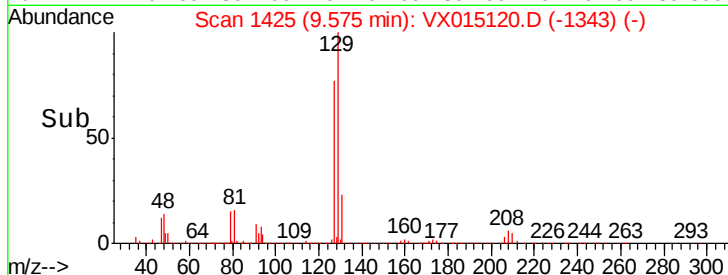
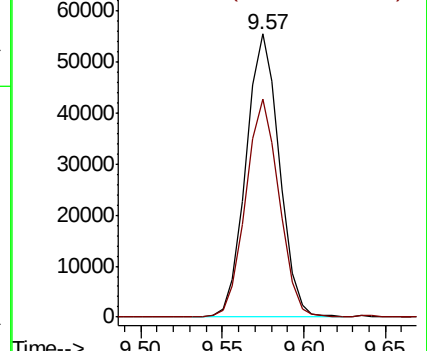
129 100

127 76.8 38.3 114.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.333 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX015120.D

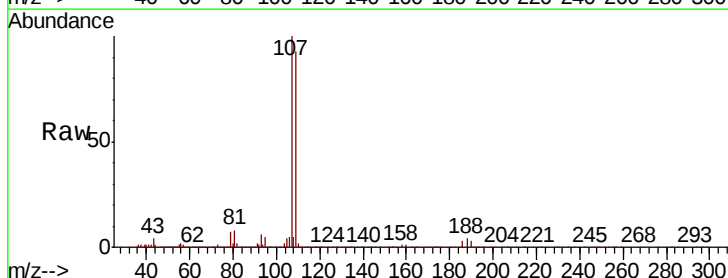
Acq: 06 Mar 2020 12:27

Tgt Ion:107 Resp: 77887

Ion Ratio Lower Upper

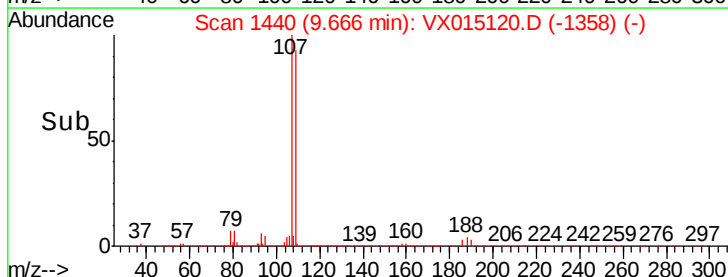
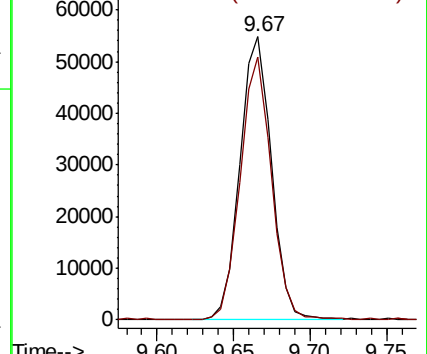
107 100

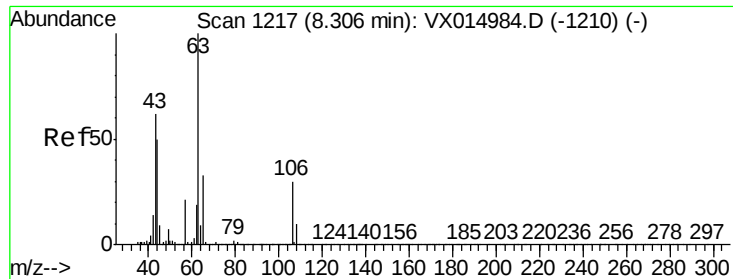
109 92.1 76.3 114.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

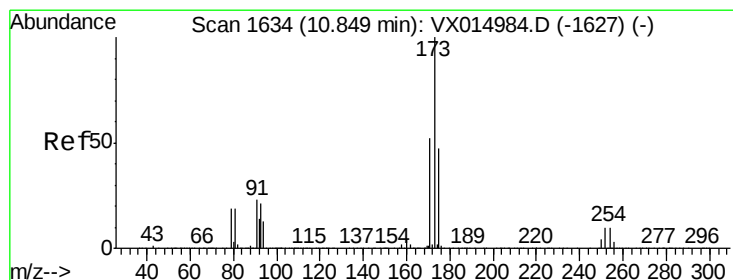
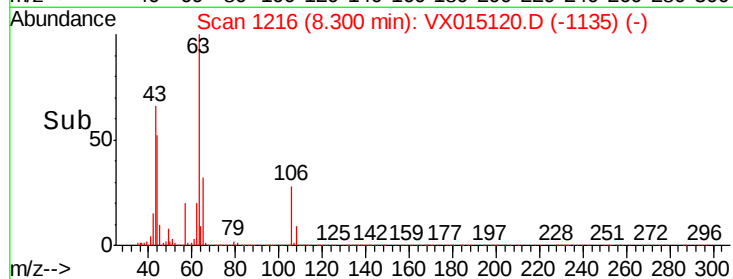
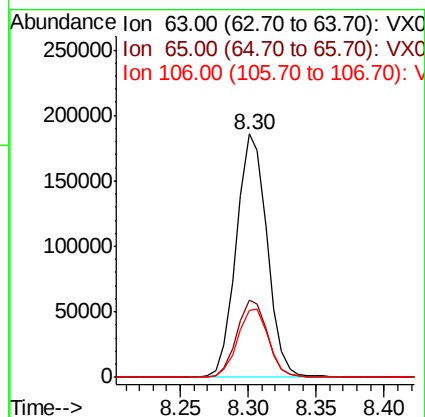
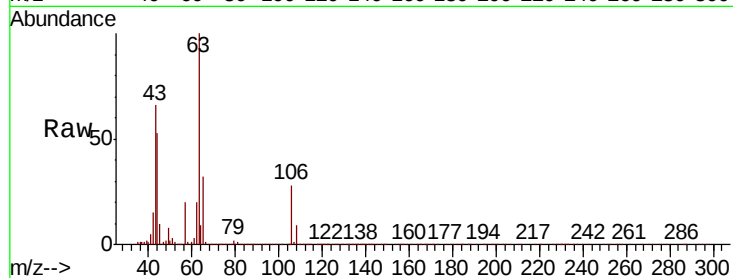




#55  
2-Chloroethyl vinyl ether  
Concen: 98.582 ug/l  
RT: 8.30 min Scan# 1216  
Delta R.T. -0.01 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

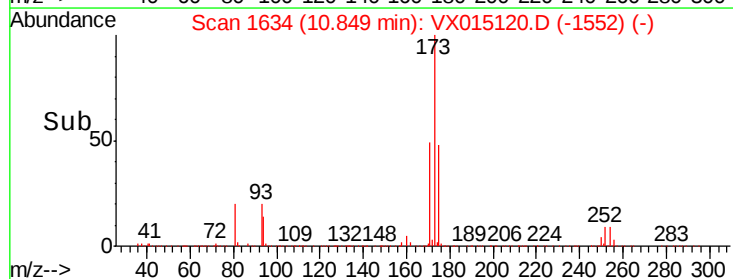
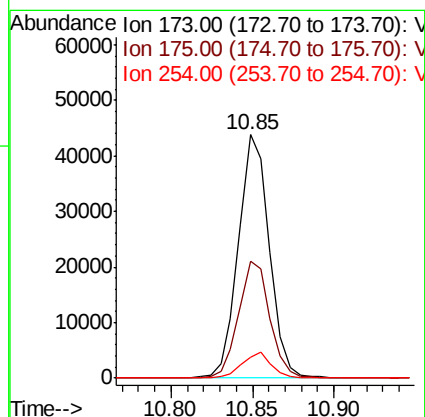
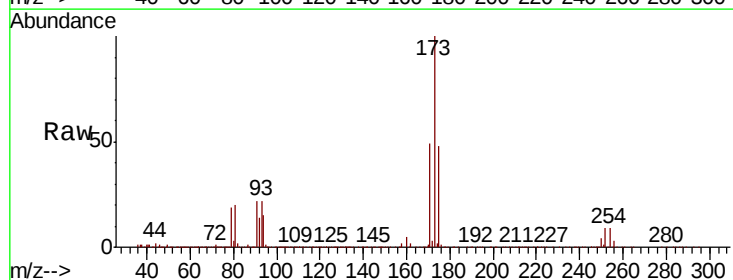
Instrument :  
MSVOA\_X  
ClientSampleId :

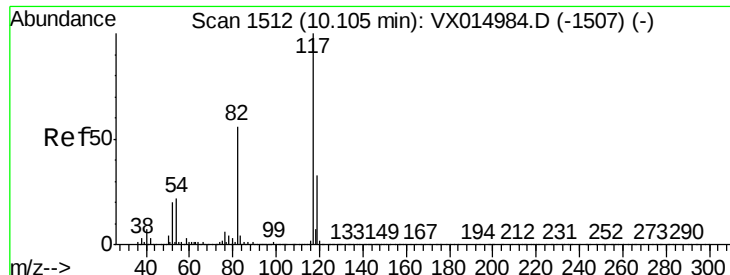
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.6  | 26.0  | 39.0  |
| 106     | 28.7  | 23.9  | 35.9  |



#56  
Bromoform  
Concen: 18.914 ug/l  
RT: 10.85 min Scan# 1634  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.9  | 38.6  | 57.8  |
| 254     | 10.1  | 8.6   | 13.0  |

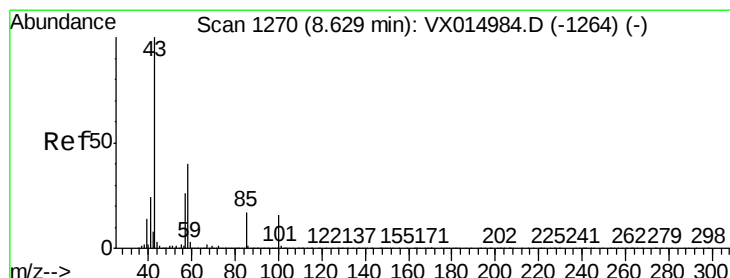
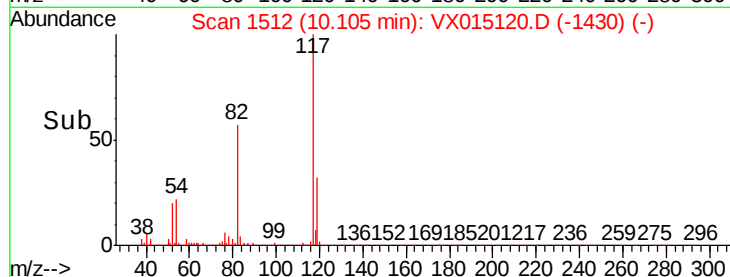
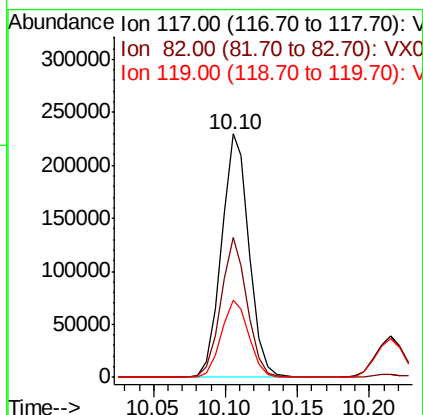
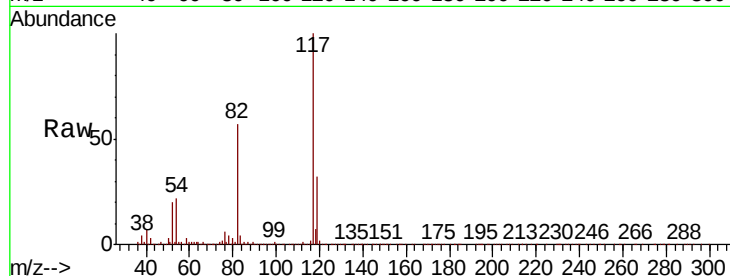




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.10 min Scan# 1512  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

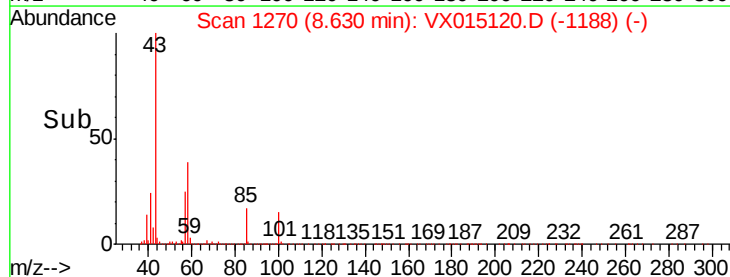
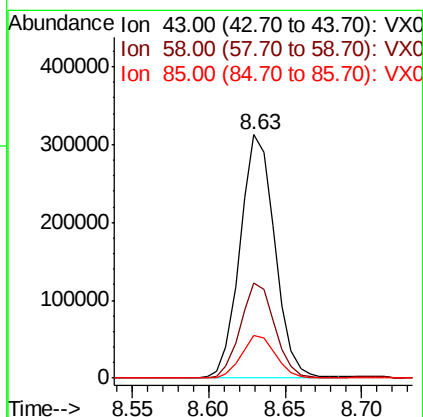
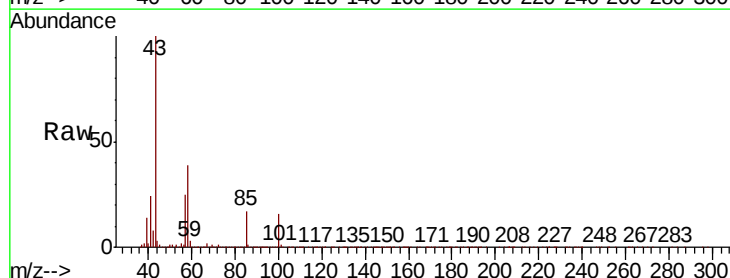
Instrument :  
MSVOA\_X  
ClientSampleId :

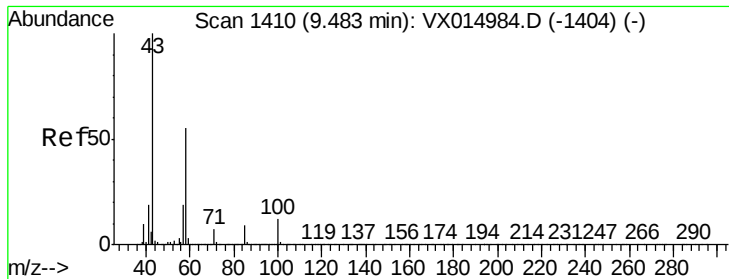
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.5  | 43.4  | 65.2  |
| 119     | 32.0  | 26.0  | 39.0  |



#58  
4-Methyl-2-Pentanone  
Concen: 97.515 ug/l  
RT: 8.63 min Scan# 1270  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 38.7  | 31.7  | 47.5  |
| 85      | 17.5  | 14.4  | 21.6  |

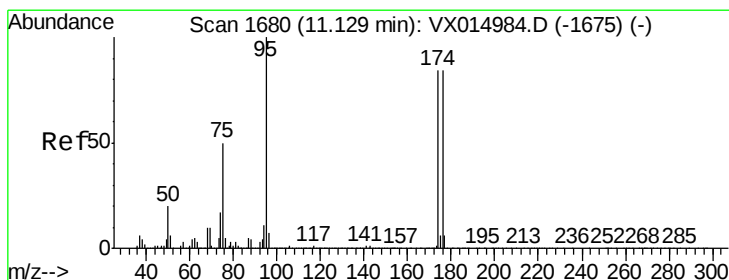
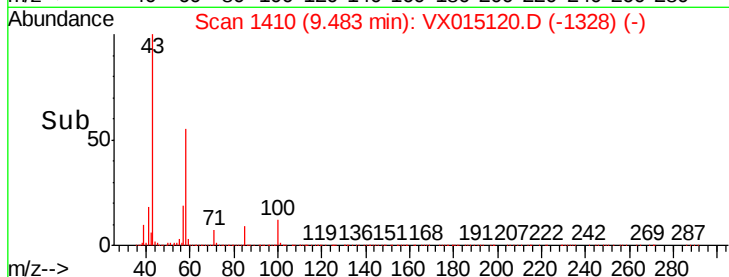
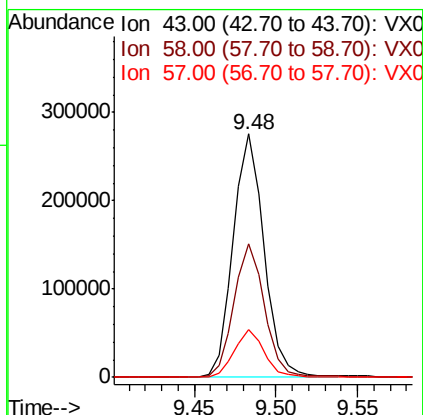
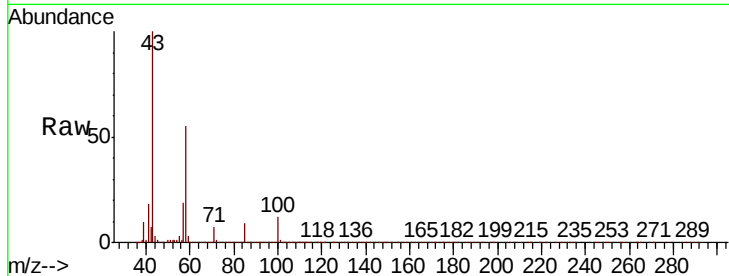




#59  
2-Hexanone  
Concen: 92.344 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

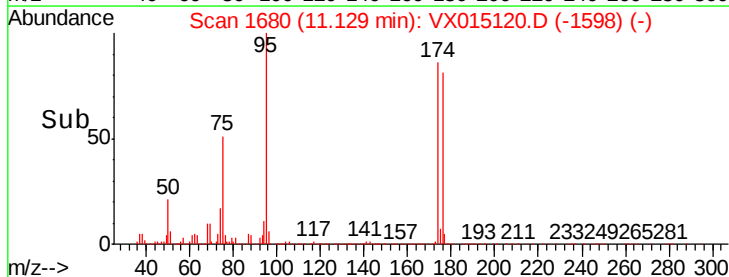
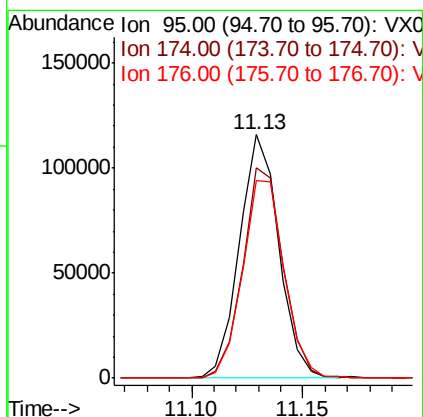
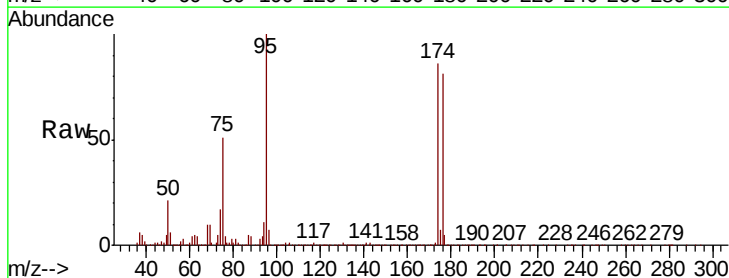
Instrument :  
MSVOA\_X  
ClientSampleId :

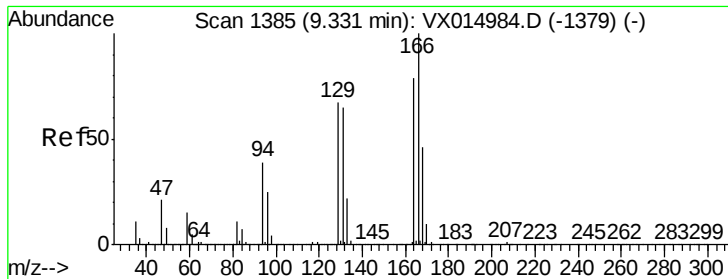
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 53.9  | 44.1  | 66.1  |
| 57      | 18.9  | 15.3  | 22.9  |



#60  
4-Bromofluorobenzene  
Concen: 29.871 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 89.0  | 72.3  | 108.5 |
| 176     | 86.6  | 72.0  | 108.0 |





#61

Tetrachloroethene

Concen: 19.753 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion:164 Resp: 81605

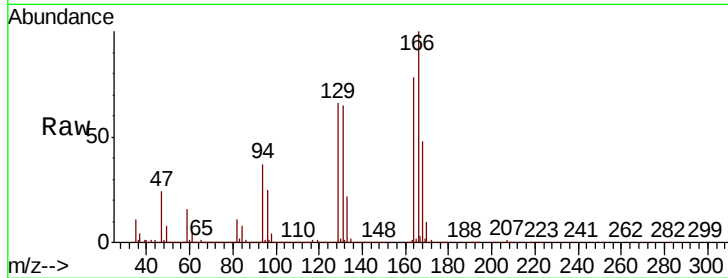
Ion Ratio Lower Upper

164 100

166 127.5 101.2 151.8

129 84.3 67.6 101.4

131 83.0 66.0 99.0

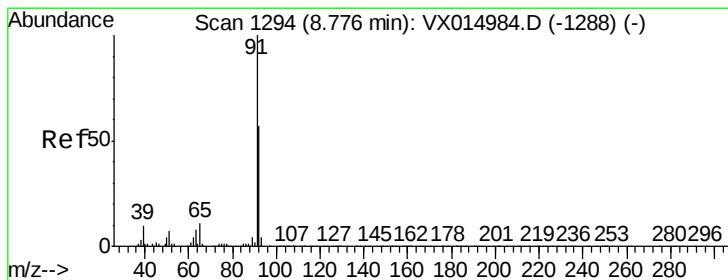
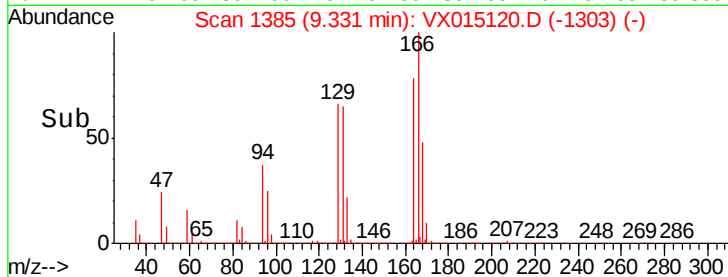
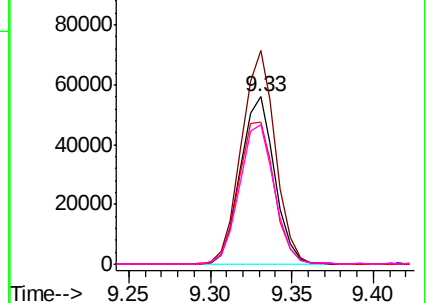


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.071 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX015120.D

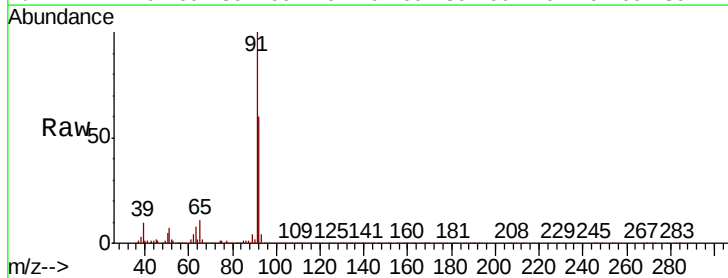
Acq: 06 Mar 2020 12:27

Tgt Ion: 91 Resp: 316220

Ion Ratio Lower Upper

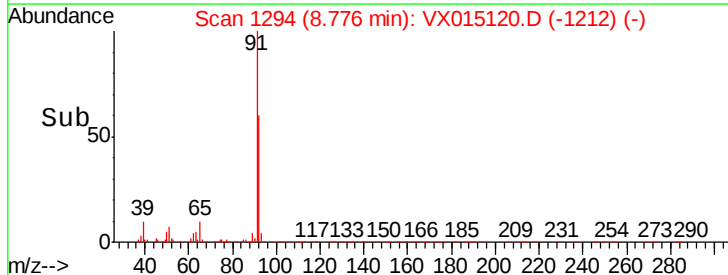
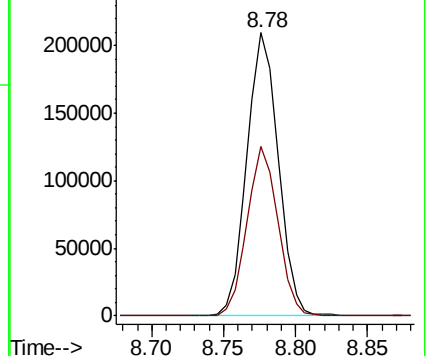
91 100

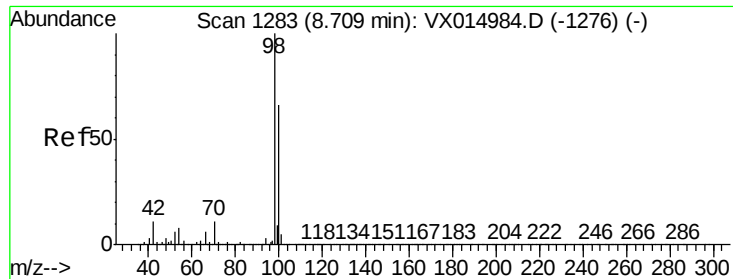
92 58.9 46.6 69.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

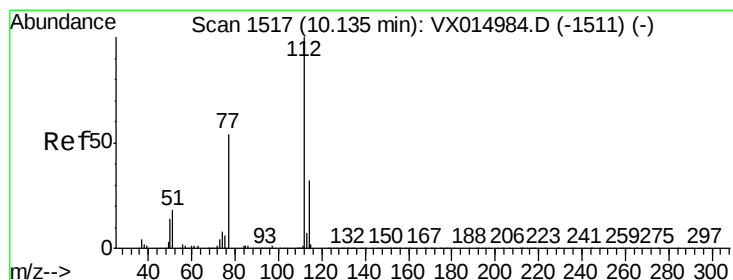
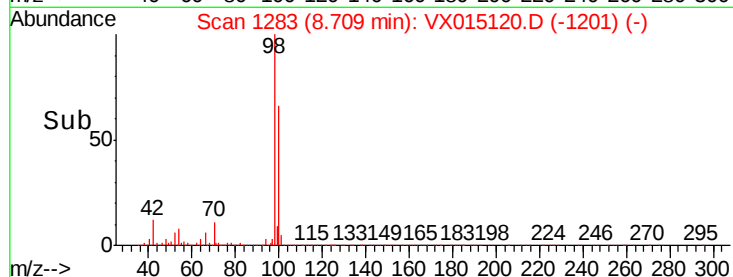
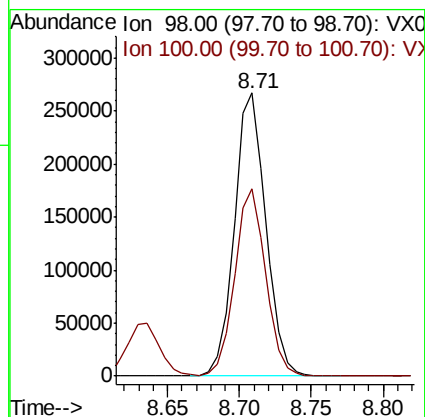
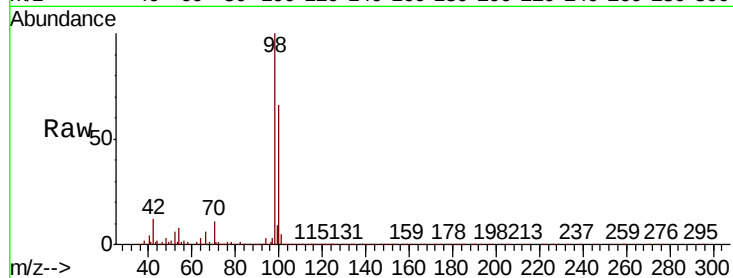




#63  
Toluene-d8  
Concen: 30.225 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

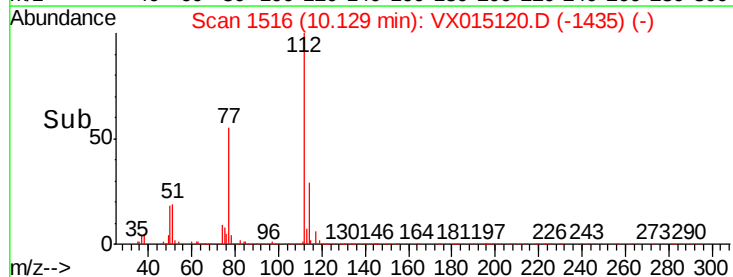
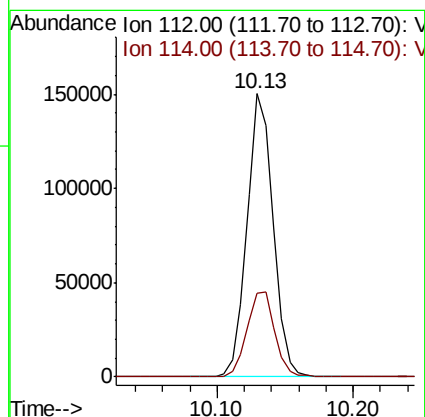
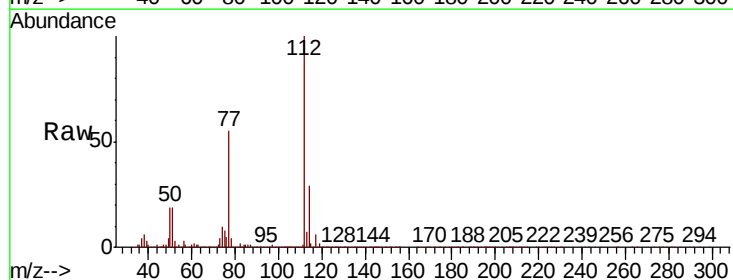
Instrument :  
MSVOA\_X  
ClientSampleId :

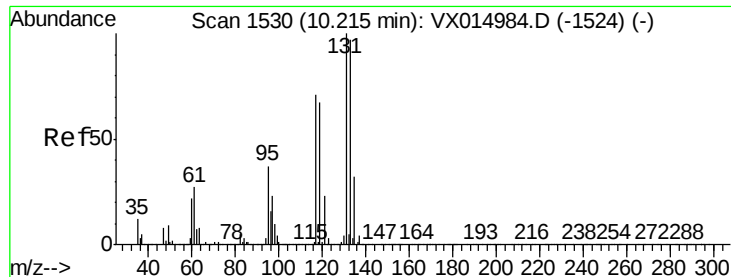
Tot Ion: 98 Resp: 405426  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.8 79.2



#64  
Chlorobenzene  
Concen: 20.093 ug/l  
RT: 10.13 min Scan# 1516  
Delta R.T. -0.01 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

Tgt Ion: 112 Resp: 202064  
Ion Ratio Lower Upper  
112 100  
114 29.4 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 19.876 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

ClientSampleId :

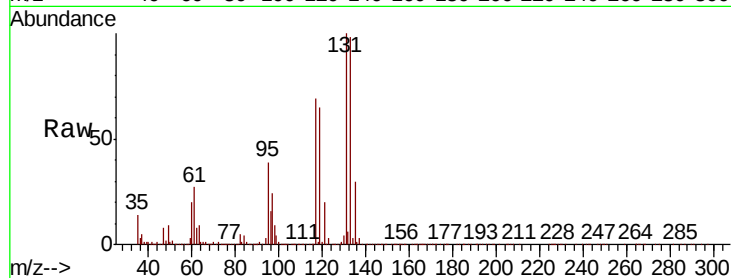
Tot Ion:131 Resp: 74038

Ion Ratio Lower Upper

131 100

133 96.9 0.0 191.4

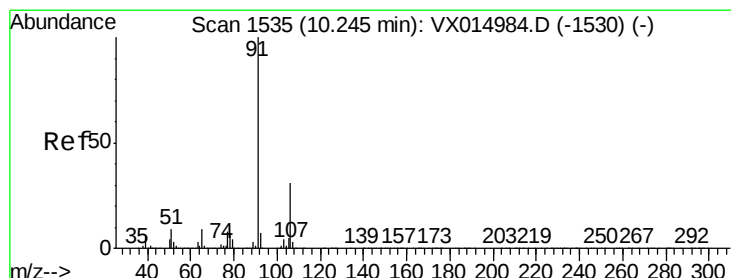
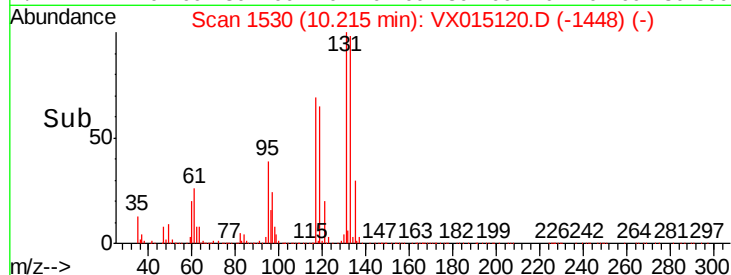
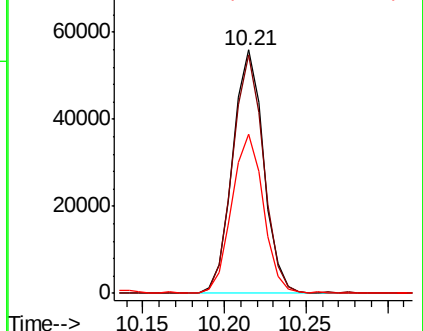
119 66.1 0.0 132.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.687 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX015120.D

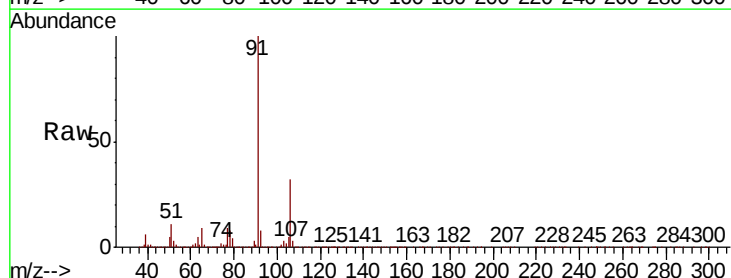
Acq: 06 Mar 2020 12:27

Tgt Ion: 91 Resp: 341675

Ion Ratio Lower Upper

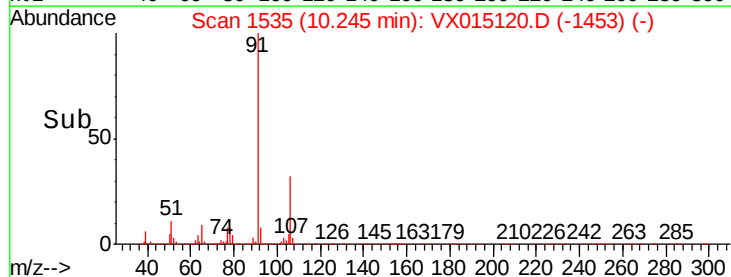
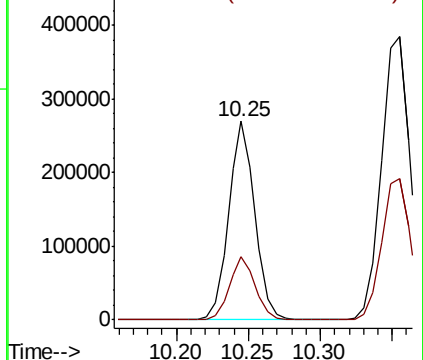
91 100

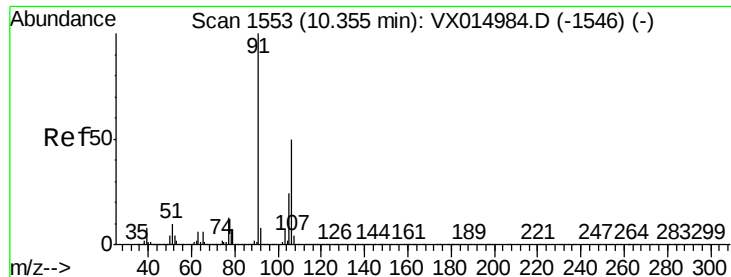
106 31.6 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

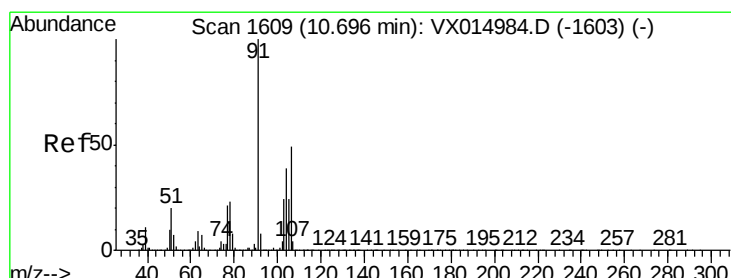
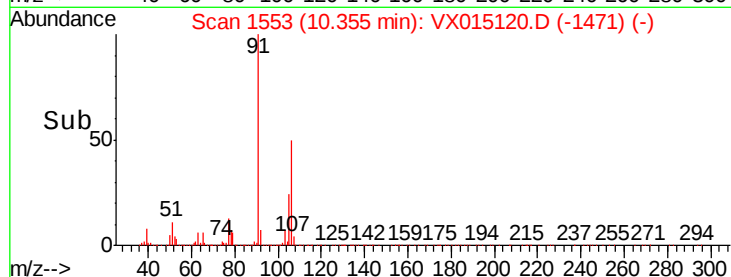
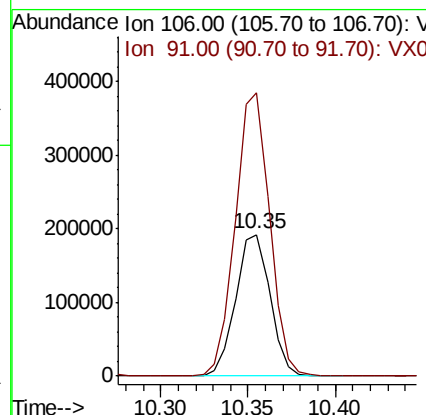
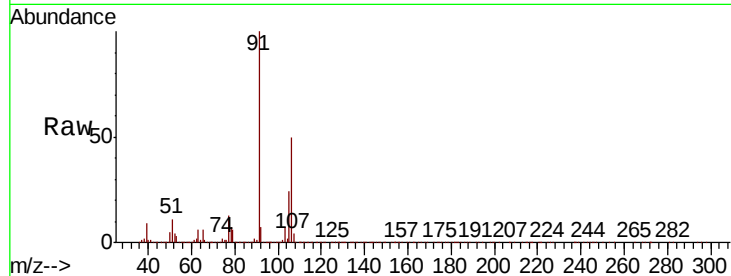




#67  
m/p-Xvlenes  
Concen: 39.428 ug/l  
RT: 10.35 min Scan# 1553  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

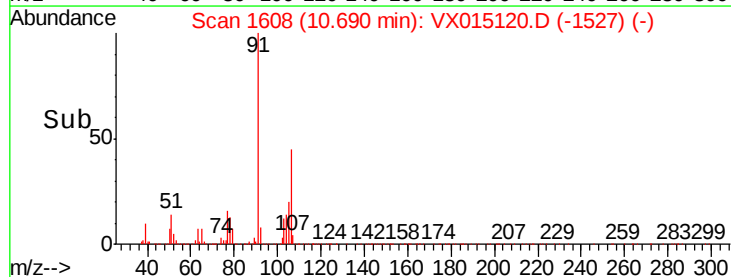
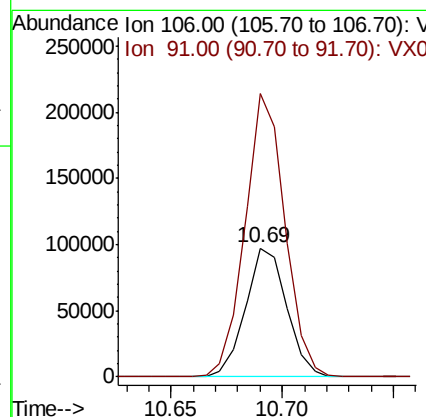
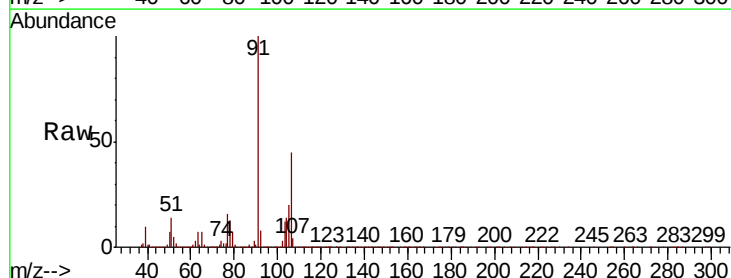
Instrument :  
MSVOA\_X  
ClientSampled :

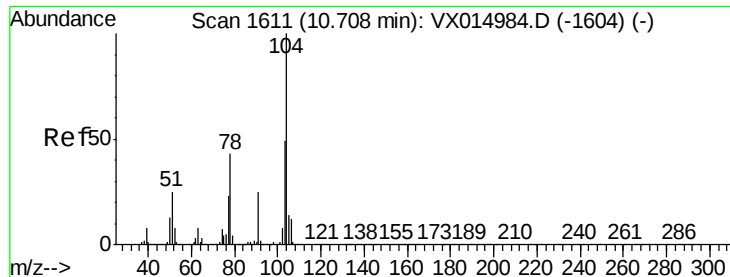
Tot Ion:106 Resp: 263862  
Ion Ratio Lower Upper  
106 100  
91 199.5 160.4 240.6



#68  
o-Xylene  
Concen: 19.271 ug/l  
RT: 10.69 min Scan# 1608  
Delta R.T. -0.01 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

Tgt Ion:106 Resp: 124787  
Ion Ratio Lower Upper  
106 100  
91 213.8 105.3 315.9

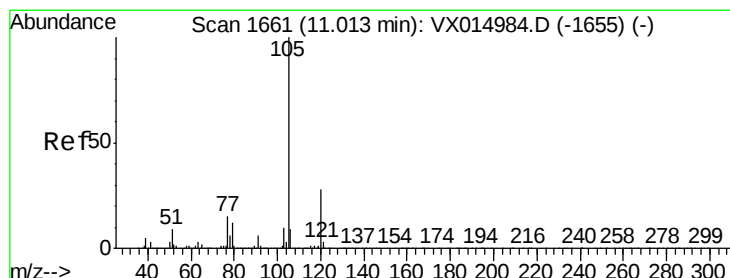
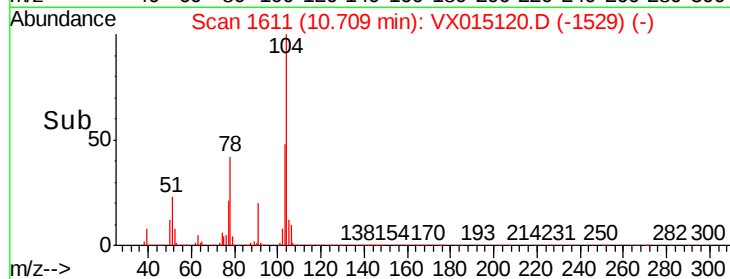
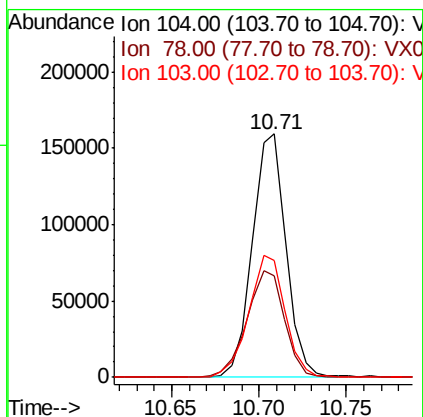
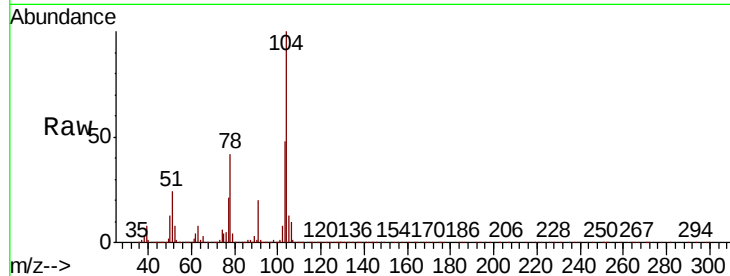




#69  
Stvrene  
Concen: 19.358 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

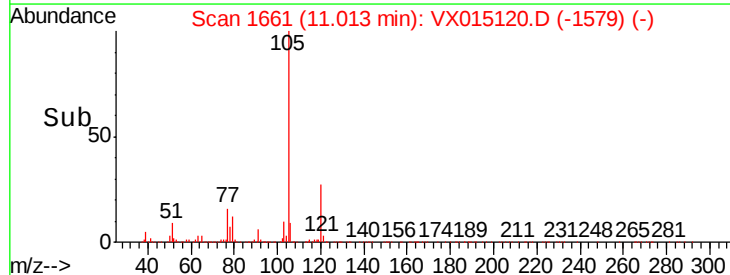
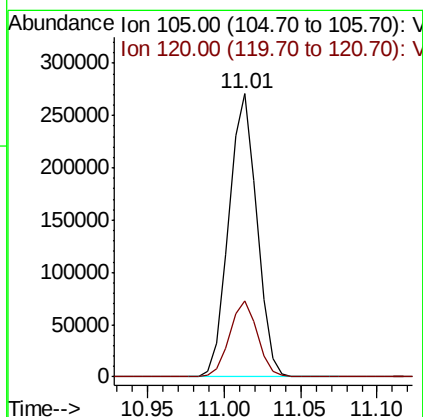
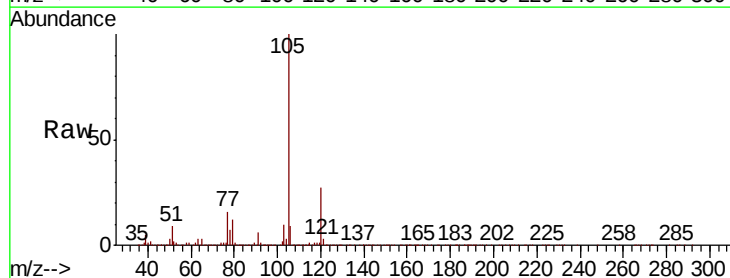
Instrument :  
MSVOA\_X  
ClientSampleId :

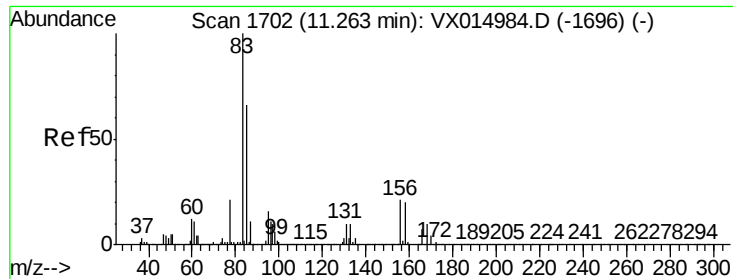
Tot Ion:104 Resp: 214087  
Ion Ratio Lower Upper  
104 100  
78 49.3 39.4 59.2  
103 53.8 42.9 64.3



#70  
Isopropylbenzene  
Concen: 20.027 ug/l  
RT: 11.01 min Scan# 1661  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

Tgt Ion:105 Resp: 344471  
Ion Ratio Lower Upper  
105 100  
120 26.8 18.8 35.0





#71

1,1,2,2-Tetrachloroethane

Concen: 19.921 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

ClientSampleId :

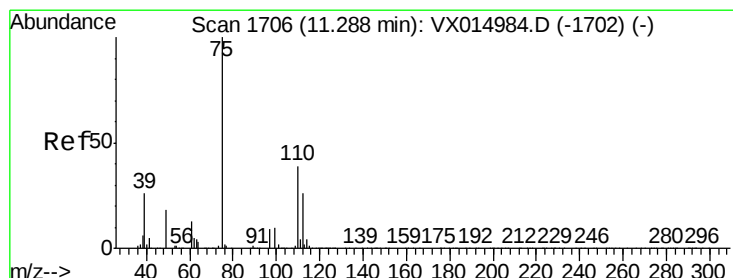
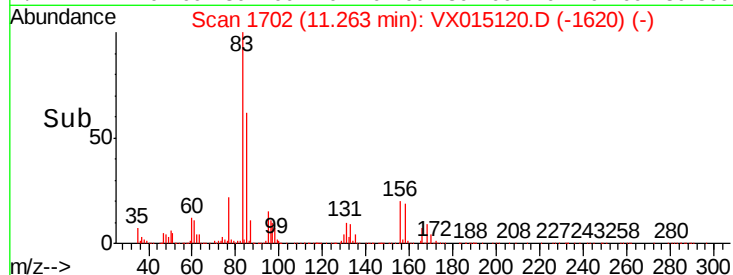
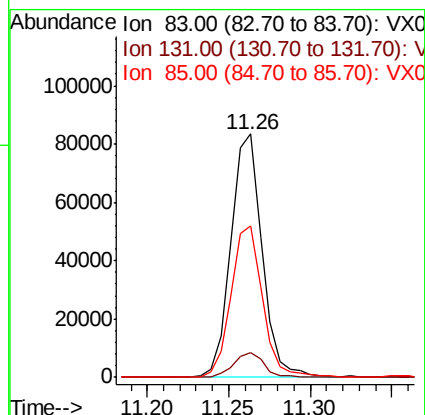
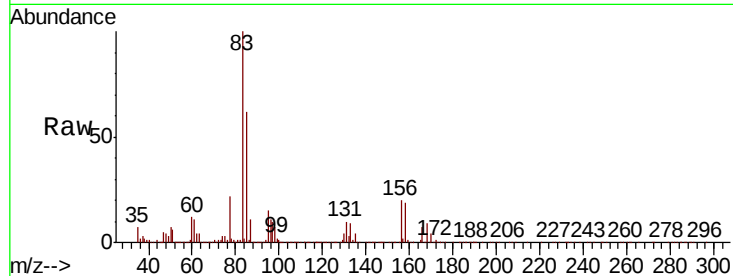
Tot Ion: 83 Resp: 110321

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.4

85 62.4 32.2 96.6



#72

1,2,3-Trichloropropane

Concen: 26.829 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX015120.D

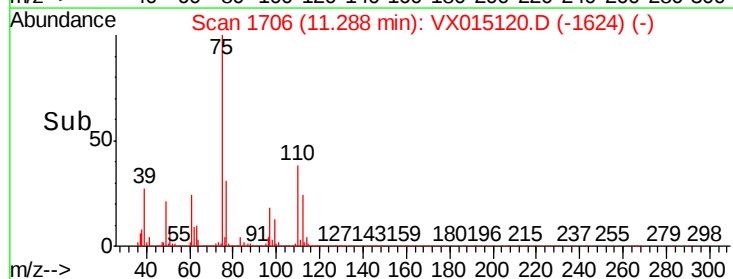
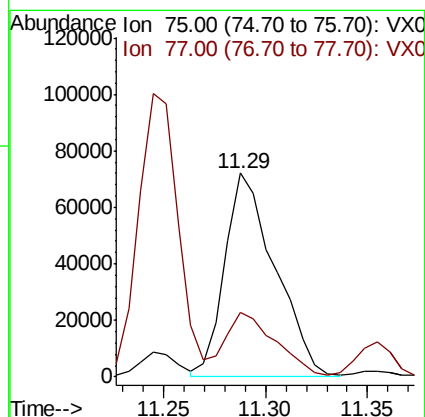
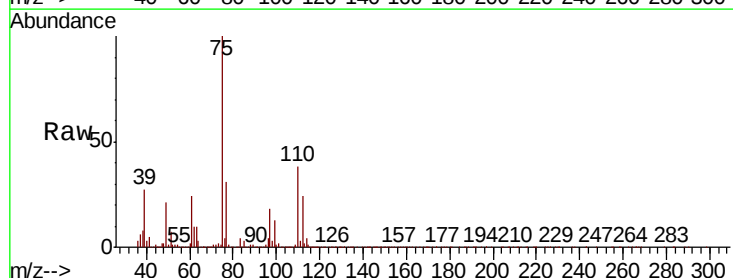
Acq: 06 Mar 2020 12:27

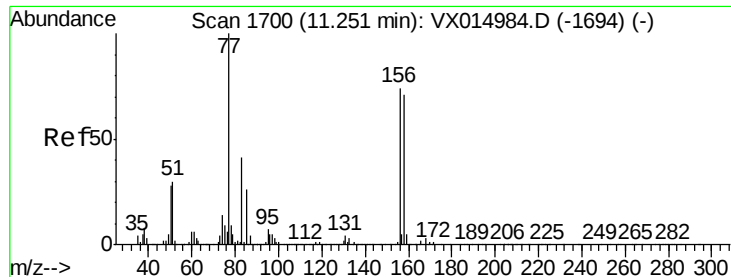
Tgt Ion: 75 Resp: 123247

Ion Ratio Lower Upper

75 100

77 31.6 0.0 75.4





#73

Bromobenzene

Concen: 19.098 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

ClientSampleId :

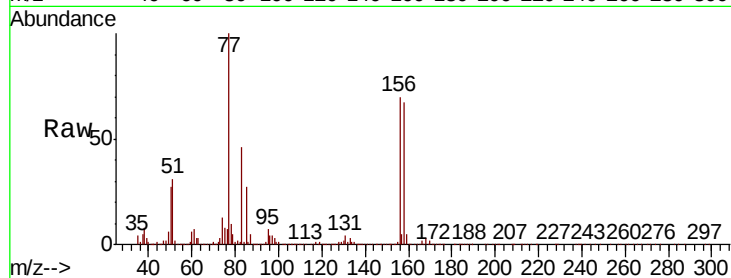
Tot Ion:156 Resp: 88759

Ion Ratio Lower Upper

156 100

77 151.7 0.0 286.8

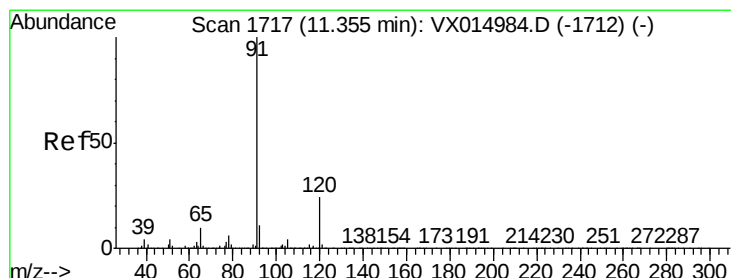
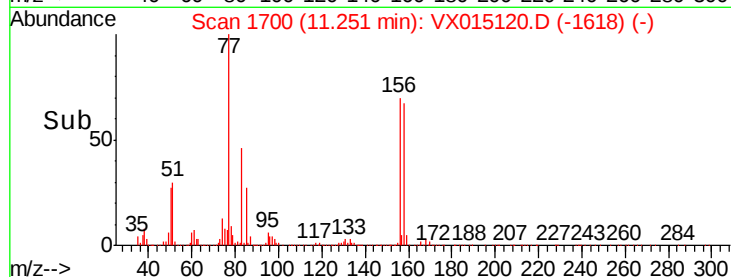
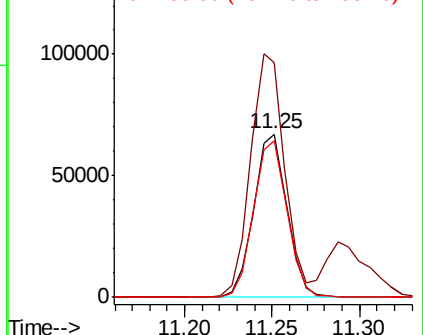
158 96.8 0.0 191.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.173 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX015120.D

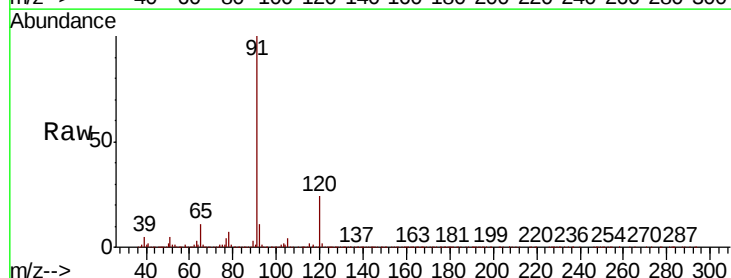
Acq: 06 Mar 2020 12:27

Tgt Ion: 91 Resp: 394926

Ion Ratio Lower Upper

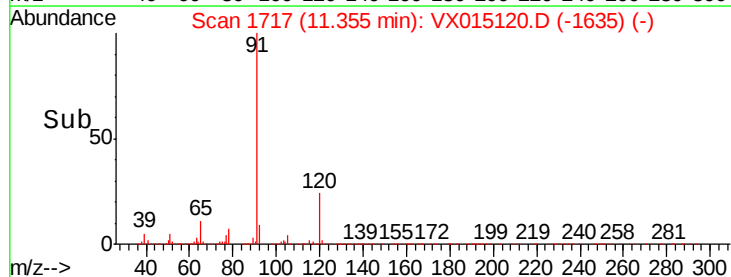
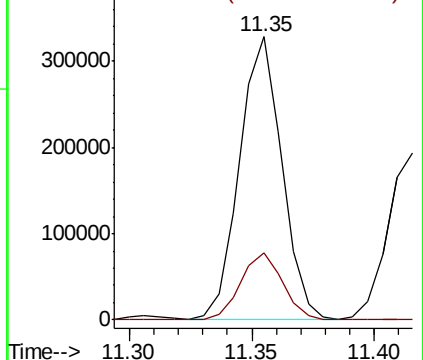
91 100

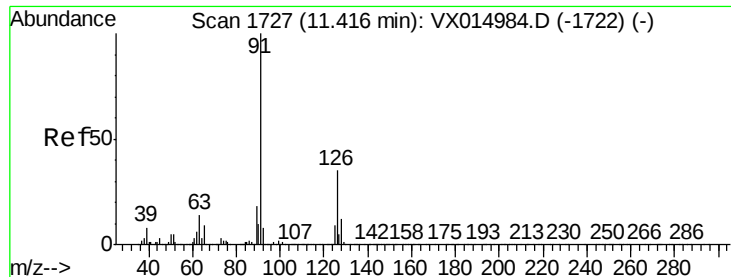
120 23.4 0.0 47.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.299 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

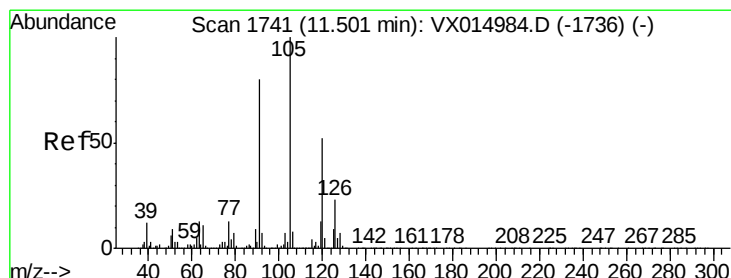
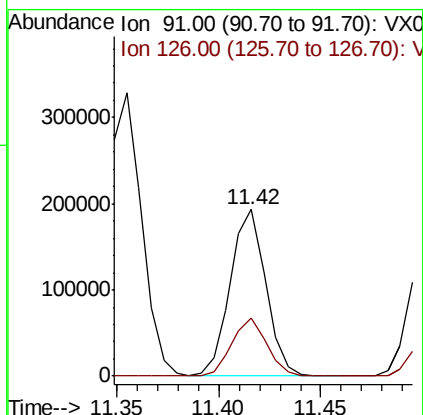
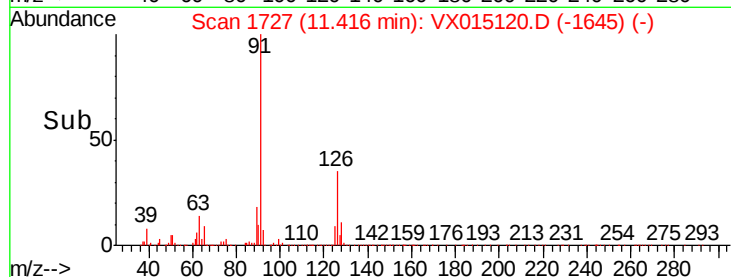
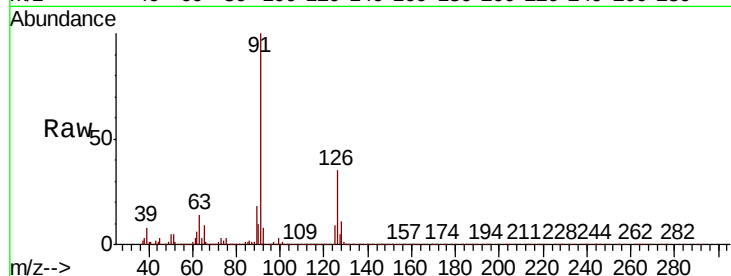
ClientSampleId :

Tot Ion: 91 Resp: 234832

Ion Ratio Lower Upper

91 100

126 34.0 0.0 69.0



#76

1,3,5-Trimethylbenzene

Concen: 19.963 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015120.D

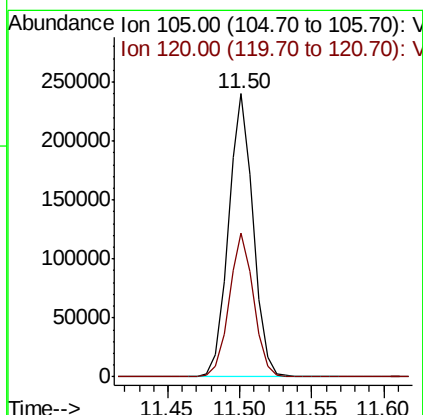
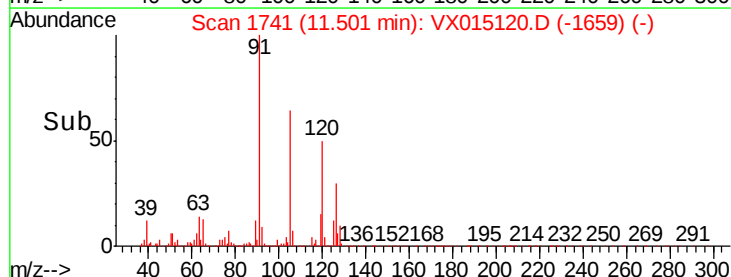
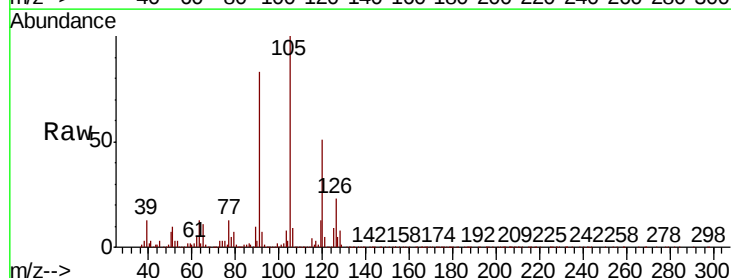
Acq: 06 Mar 2020 12:27

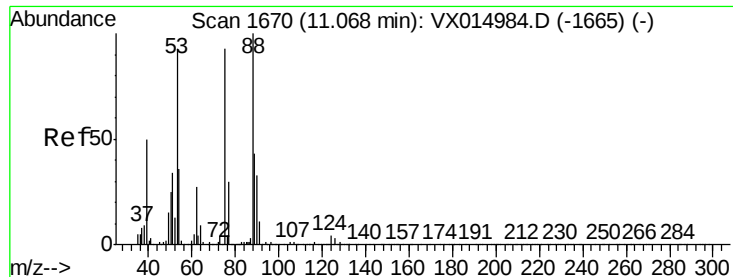
Tgt Ion: 105 Resp: 287768

Ion Ratio Lower Upper

105 100

120 50.3 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 17.623 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

ClientSampleId :

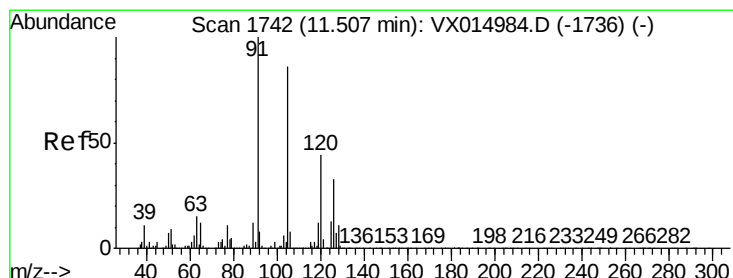
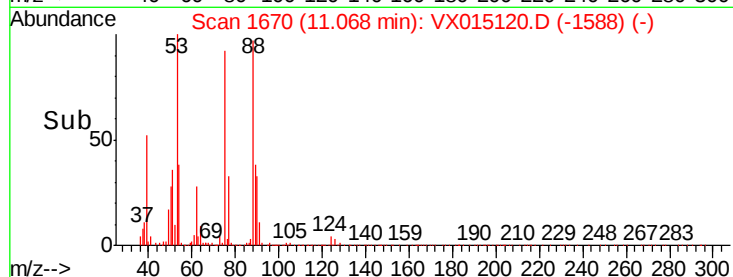
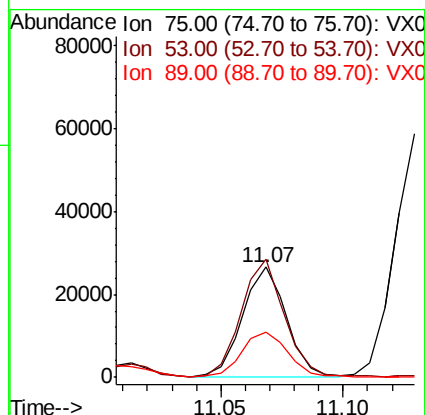
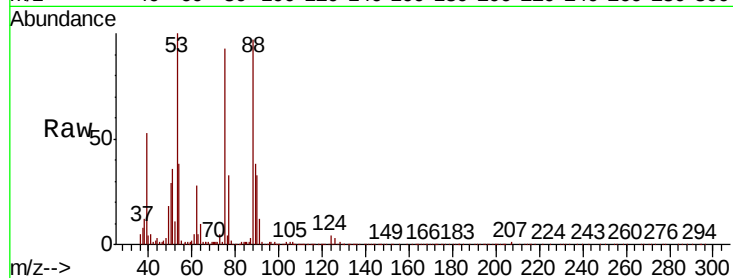
Tot Ion: 75 Resp: 32644

Ion Ratio Lower Upper

75 100

53 106.9 50.0 149.8

89 40.8 23.5 70.5



#78

4-Chlorotoluene

Concen: 19.867 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX015120.D

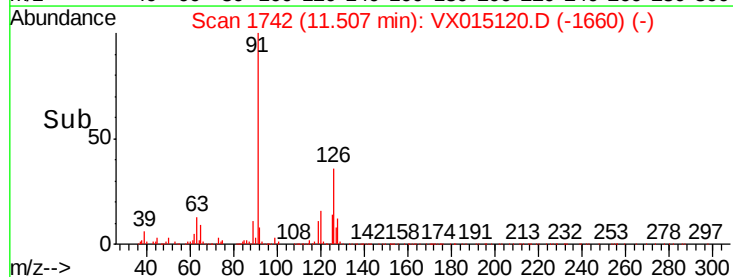
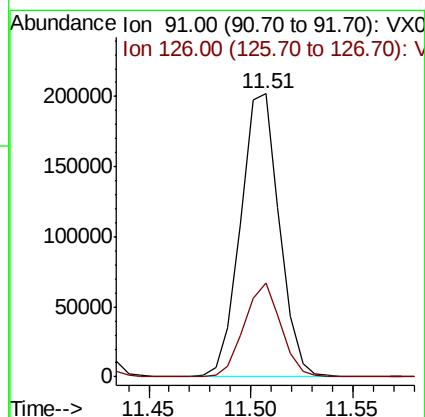
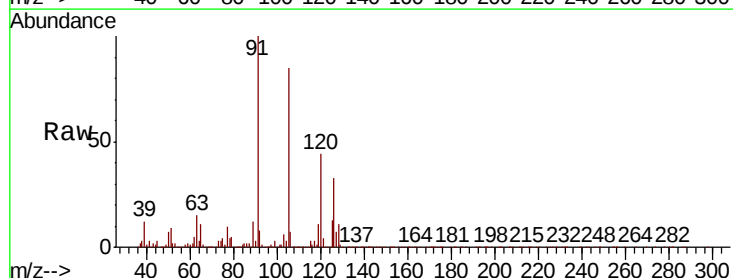
Acq: 06 Mar 2020 12:27

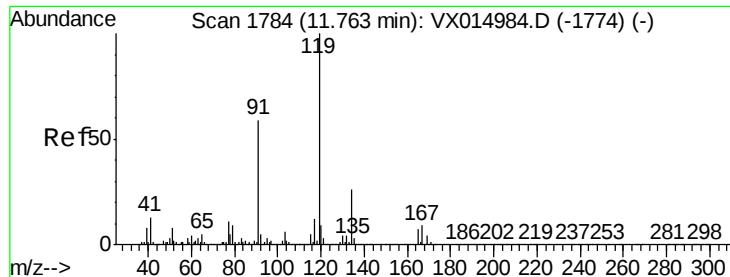
Tgt Ion: 91 Resp: 265855

Ion Ratio Lower Upper

91 100

126 31.1 0.0 62.0

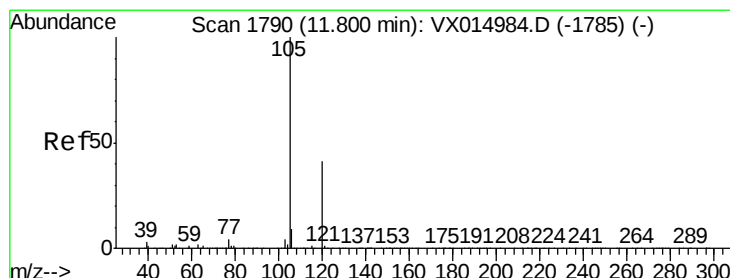
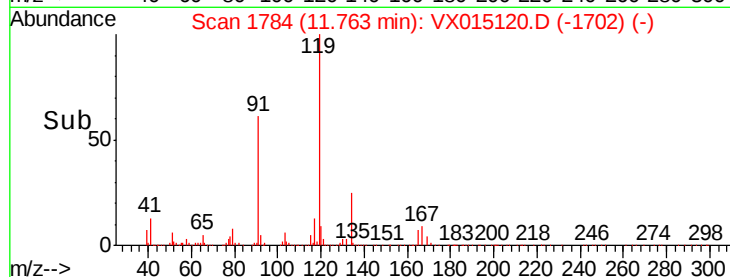
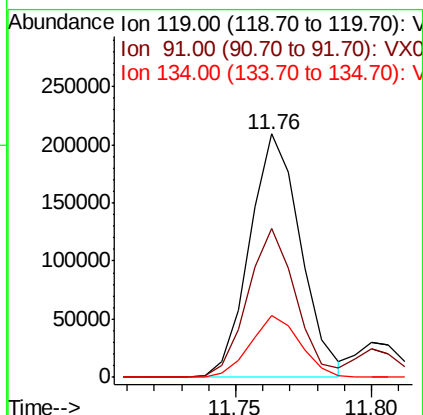
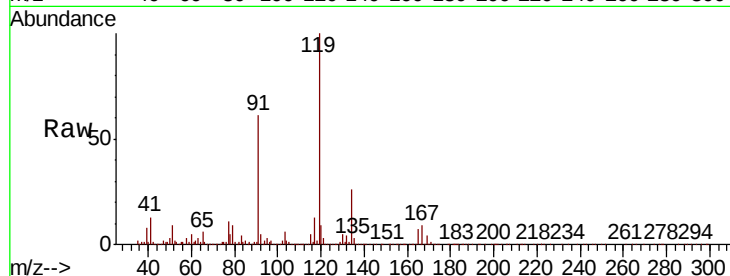




#79  
tert-butylbenzene  
Concen: 19.544 ug/l  
RT: 11.76 min Scan# 1784  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

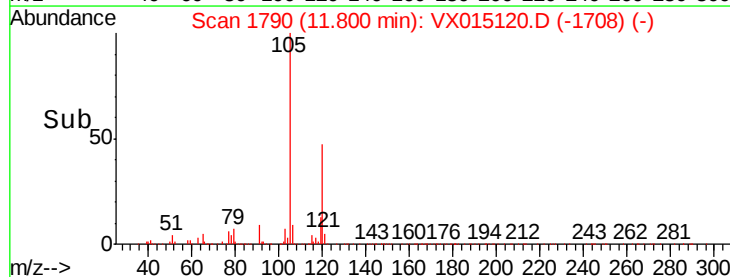
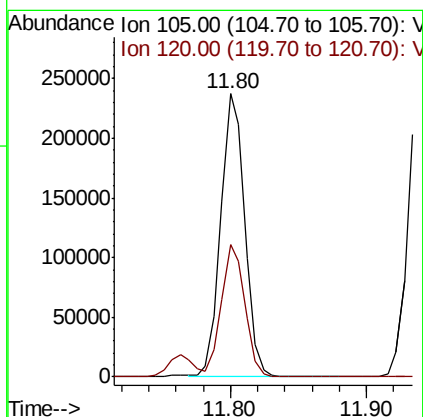
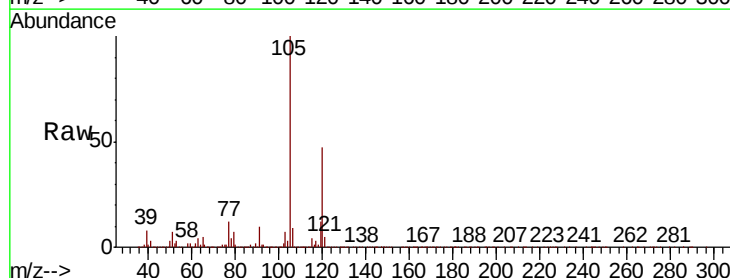
Instrument :  
MSVOA\_X  
ClientSampleId :

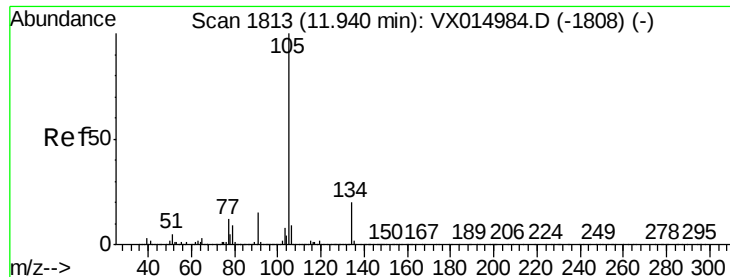
Tot Ion:119 Resp: 272188  
Ion Ratio Lower Upper  
119 100  
91 57.9 0.0 114.4  
134 24.6 0.0 48.8



#80  
1,2,4-Trimethylbenzene  
Concen: 20.157 ug/l  
RT: 11.80 min Scan# 1790  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

Tgt Ion:105 Resp: 288868  
Ion Ratio Lower Upper  
105 100  
120 45.7 0.0 93.4

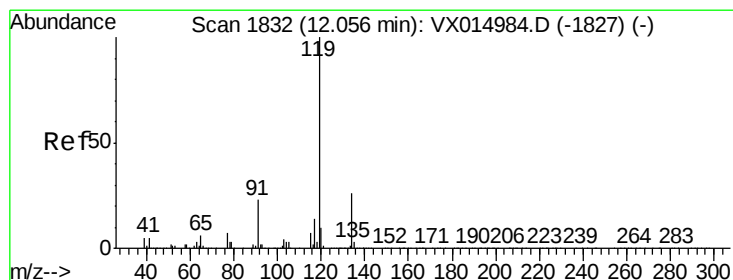
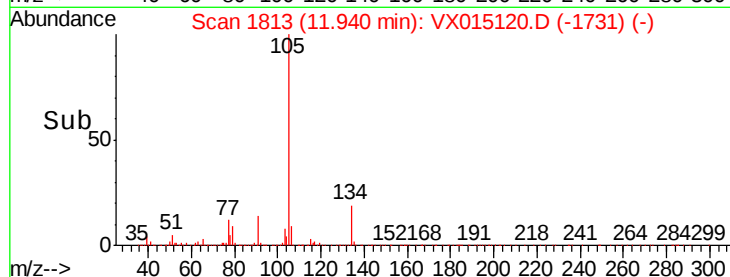
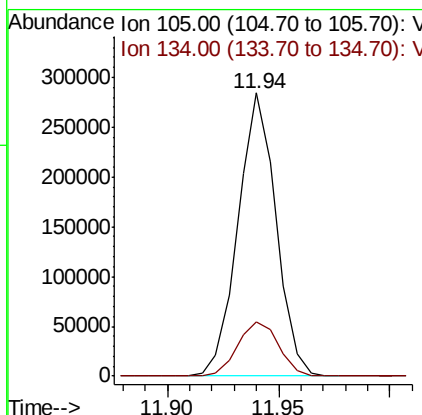
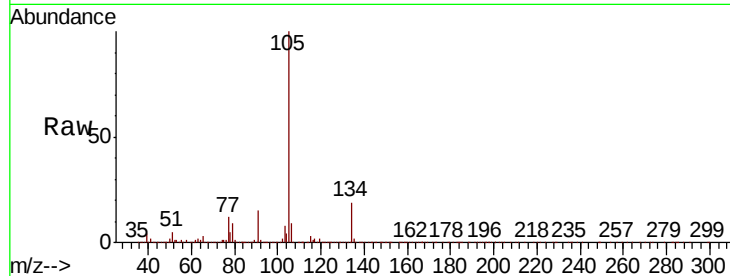




#81  
 sec-Butylbenzene  
 Concen: 20.237 ug/l  
 RT: 11.94 min Scan# 1813  
 Delta R.T. 0.00 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

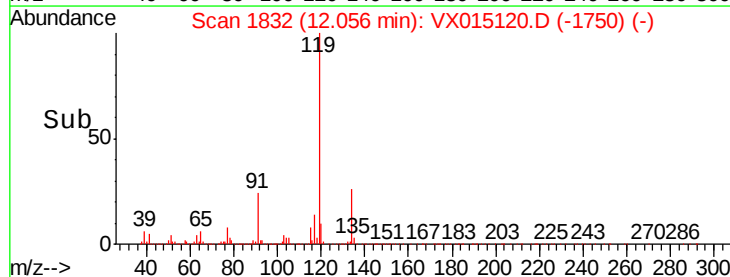
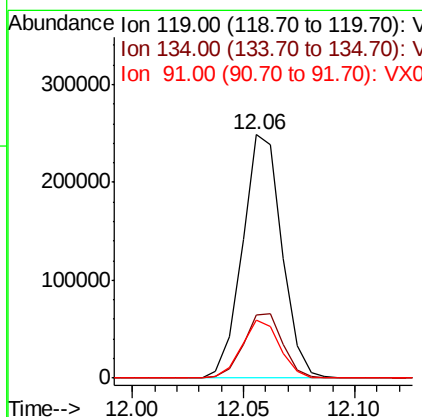
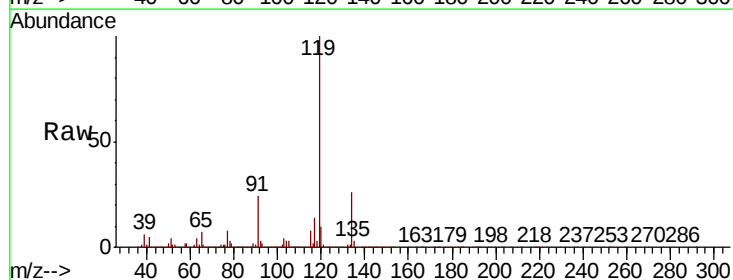
Instrument :  
 MSVOA\_X  
 ClientSampleId :

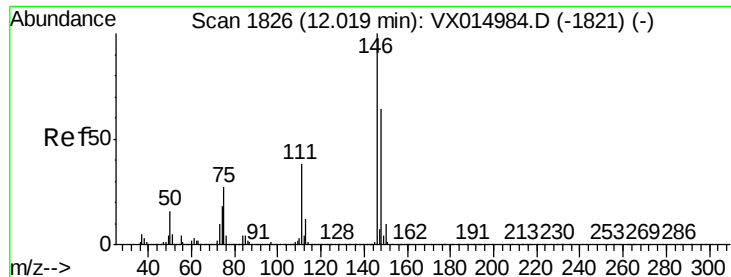
Tot Ion:105 Resp: 337525  
 Ion Ratio Lower Upper  
 105 100  
 134 20.6 0.0 40.8



#82  
 p-Isopropyltoluene  
 Concen: 19.835 ug/l  
 RT: 12.06 min Scan# 1832  
 Delta R.T. 0.00 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

Tgt Ion:119 Resp: 307330  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 0.0 53.2  
 91 22.9 0.0 44.6





#83

1,3-Dichlorobenzene

Concen: 19.488 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

ClientSampleId :

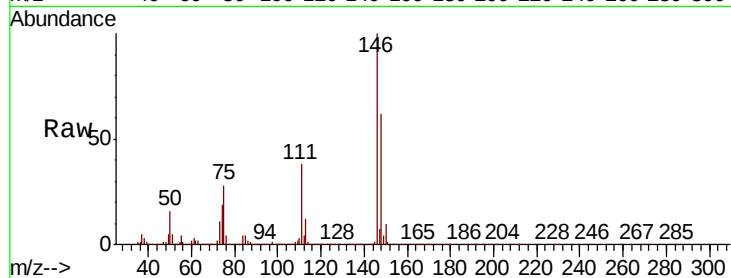
Tot Ion:146 Resp: 158773

Ion Ratio Lower Upper

146 100

111 37.4 19.3 57.9

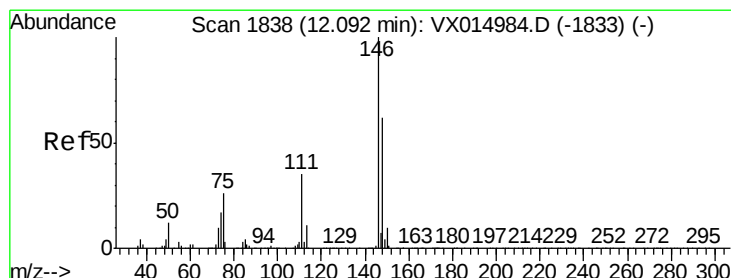
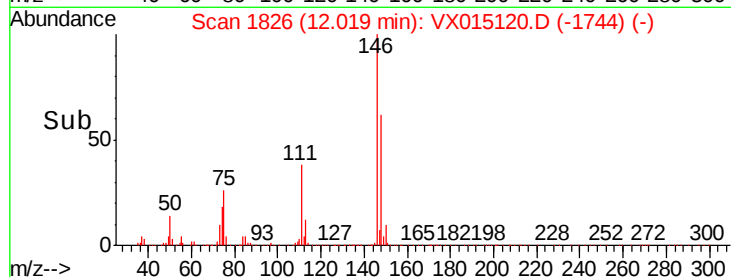
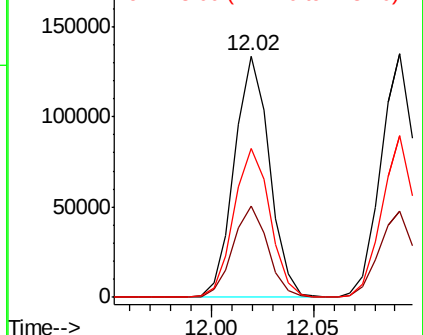
148 63.8 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 19.560 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

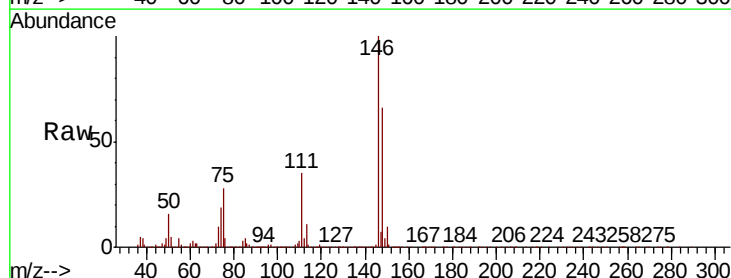
Tgt Ion:146 Resp: 160479

Ion Ratio Lower Upper

146 100

111 36.0 17.8 53.5

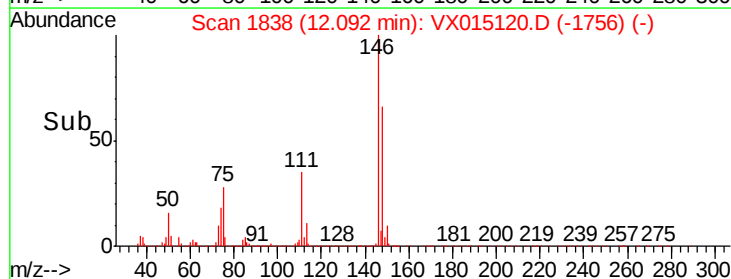
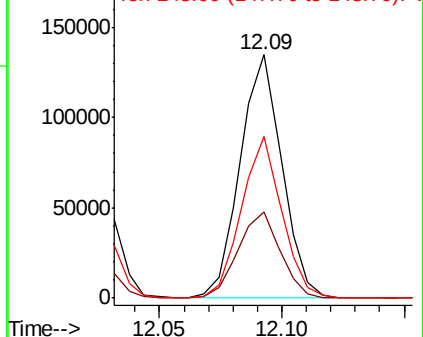
148 64.3 31.4 94.2

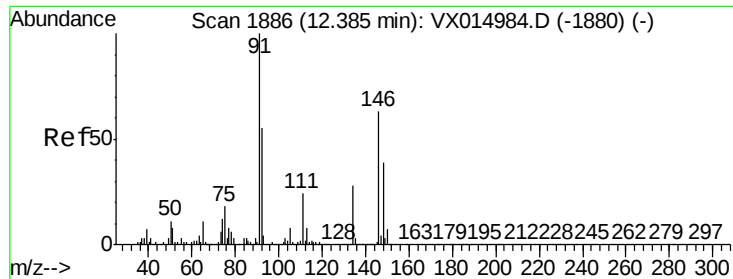


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

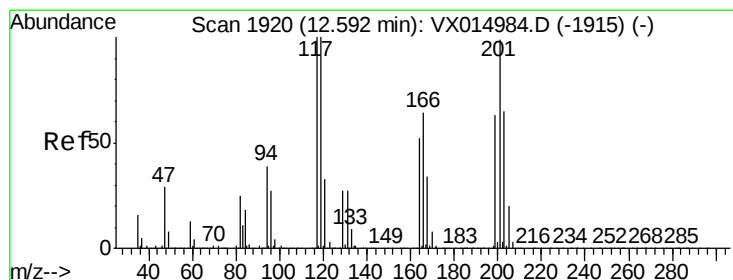
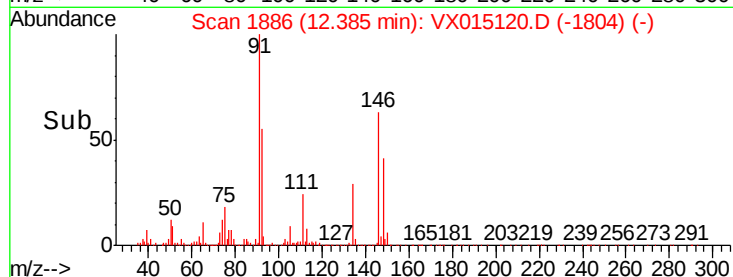
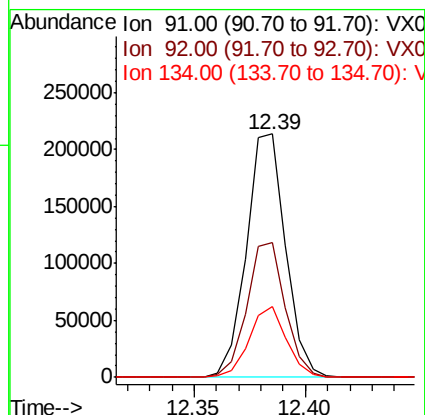
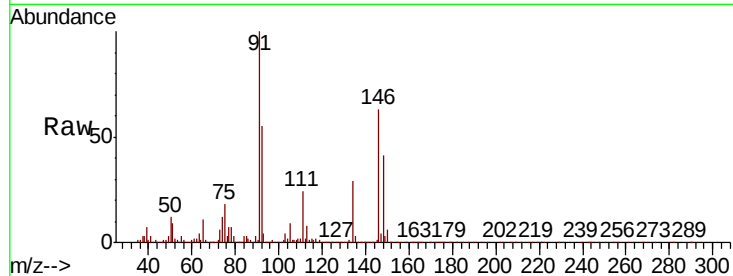




#85  
n-Butylbenzene  
Concen: 19.459 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

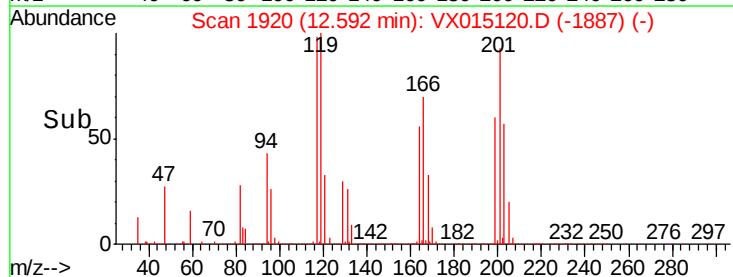
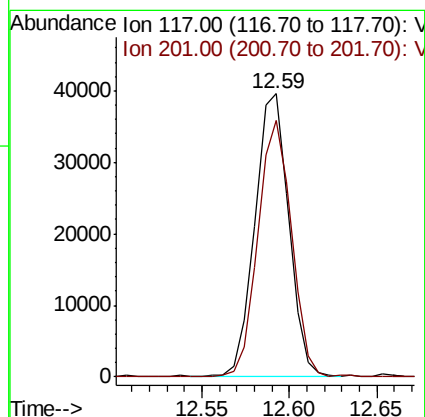
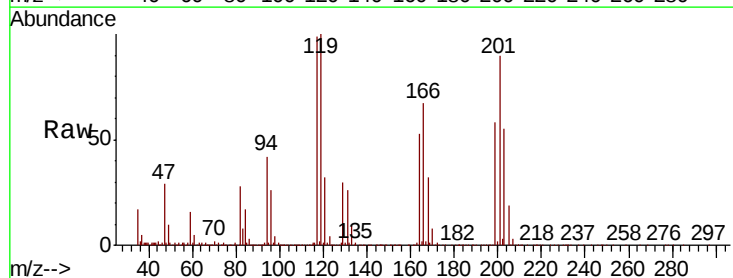
Instrument :  
MSVOA\_X  
ClientSampled :

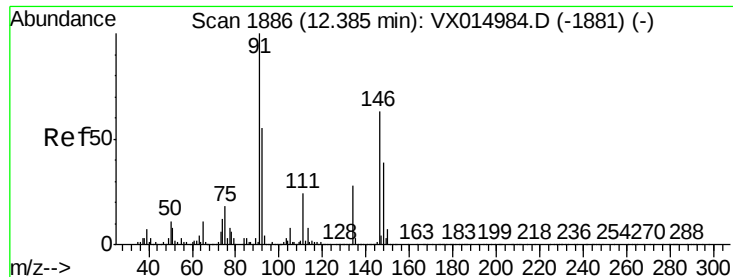
Tot Ion: 91 Resp: 262372  
Ion Ratio Lower Upper  
91 100  
92 54.4 0.0 109.8  
134 27.4 0.0 54.8



#86  
Hexachloroethane  
Concen: 18.994 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: VX015120.D  
Acq: 06 Mar 2020 12:27

Tgt Ion: 117 Resp: 53195  
Ion Ratio Lower Upper  
117 100  
201 89.5 45.6 136.7

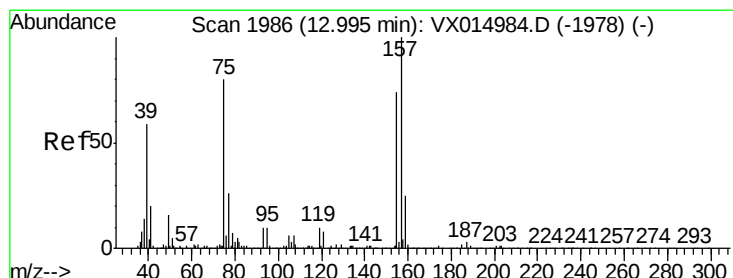
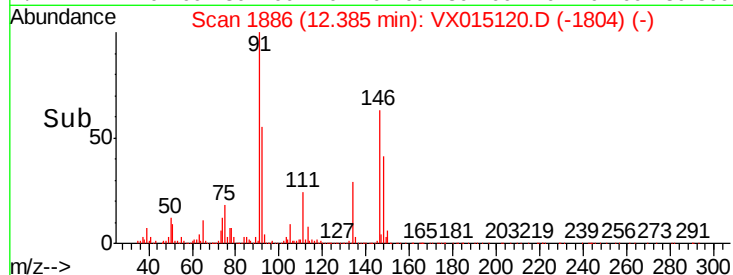
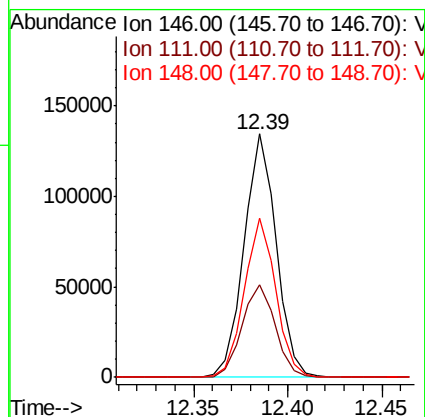
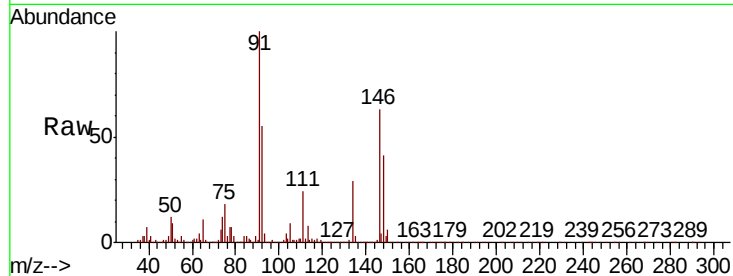




#87  
 1,2-Dichlorobenzene  
 Concen: 19.647 ug/l  
 RT: 12.39 min Scan# 1886  
 Delta R.T. 0.00 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

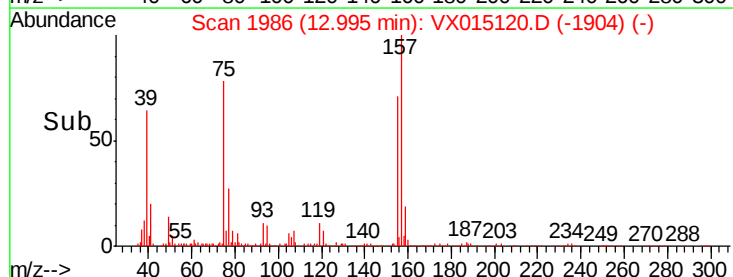
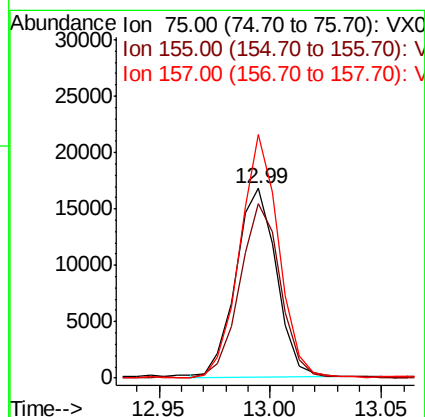
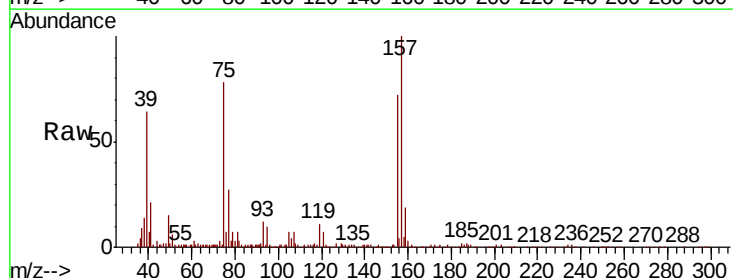
Instrument :  
 MSVOA\_X  
 ClientSampleId :

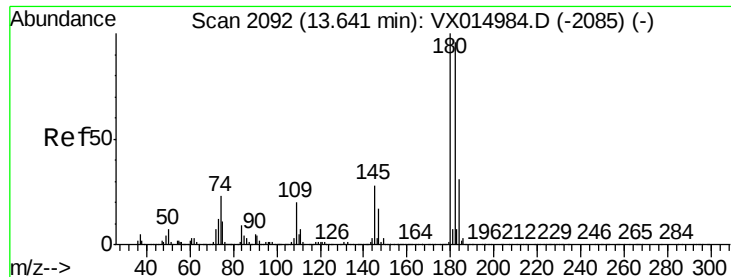
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.7  | 59.1  |
| 148     | 64.0  | 32.0  | 96.0  |



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 17.717 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 92.2  | 74.5  | 111.7 |
| 157     | 123.5 | 96.2  | 144.4 |

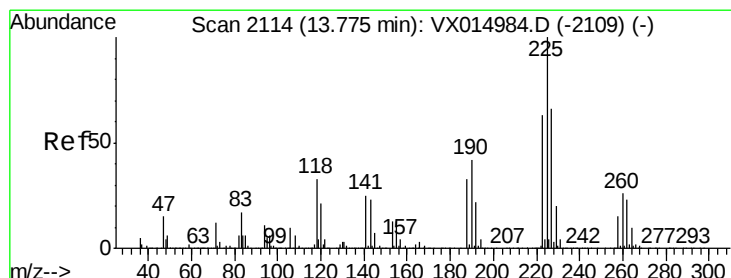
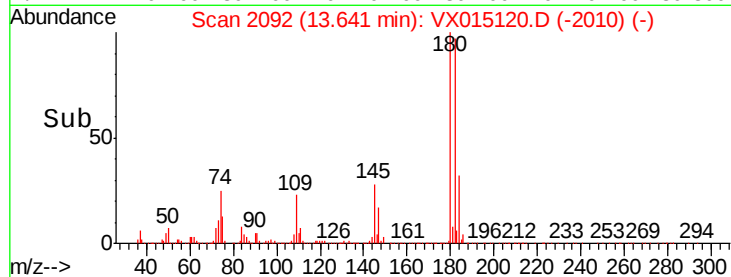
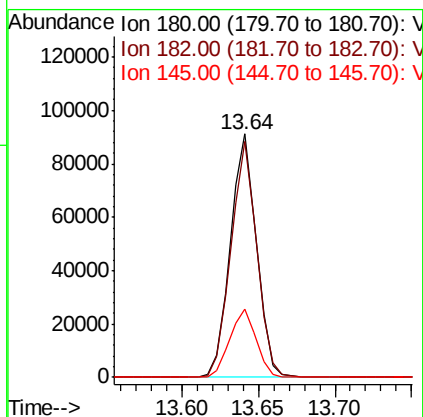
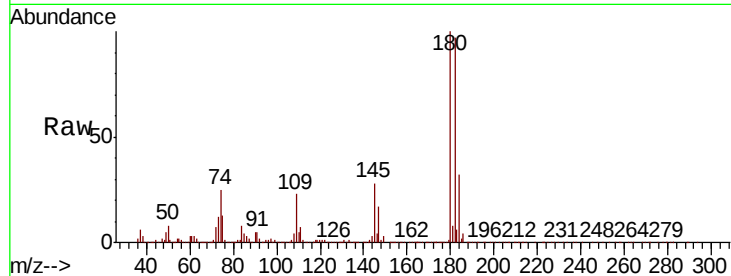




#89  
 1,2,4-Trichlorobenzene  
 Concen: 18.444 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

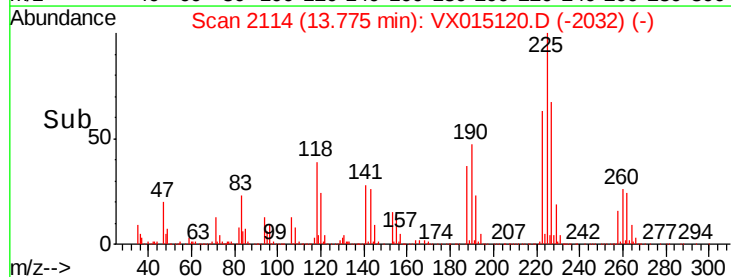
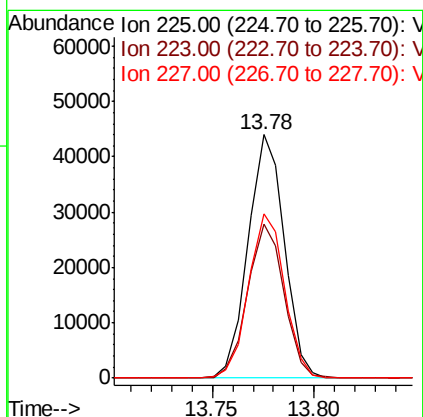
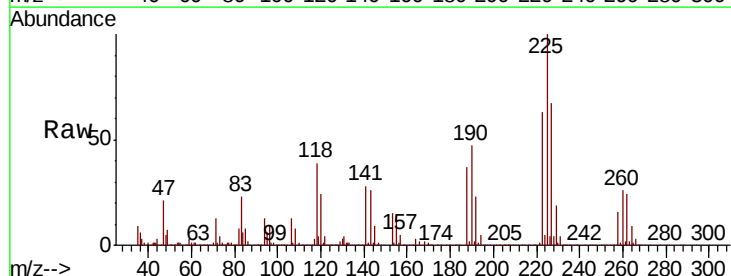
Instrument :  
 MSVOA\_X  
 ClientSampleId :

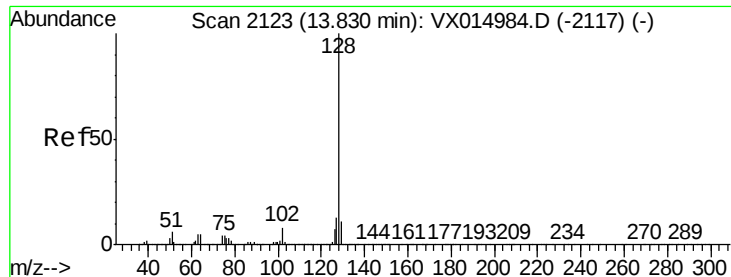
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 76.4  | 114.6 |
| 145     | 28.5  | 21.8  | 32.6  |



#90  
 Hexachlorobutadiene  
 Concen: 18.854 ug/l  
 RT: 13.78 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VX015120.D  
 Acq: 06 Mar 2020 12:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.4  | 0.0   | 132.0 |
| 227     | 67.1  | 0.0   | 131.0 |





#91

Naphthalene

Concen: 18.407 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

Instrument :

MSVOA\_X

ClientSampleId :

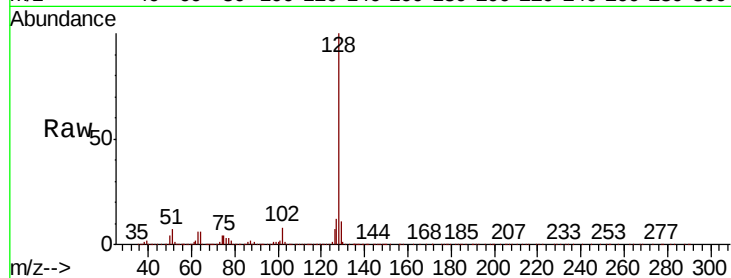
Tot Ion:128 Resp: 303828

Ion Ratio Lower Upper

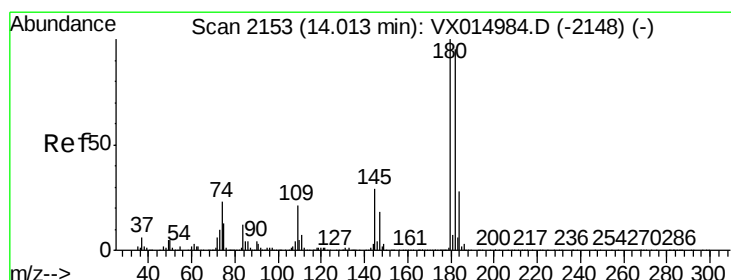
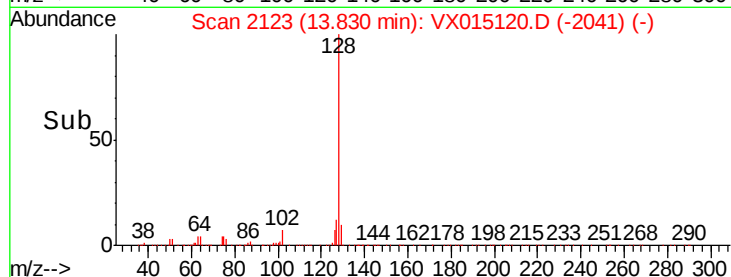
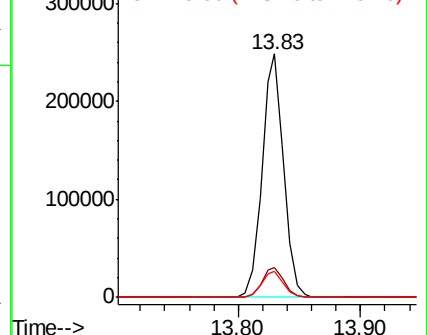
128 100

127 12.8 10.2 15.4

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 19.271 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX015120.D

Acq: 06 Mar 2020 12:27

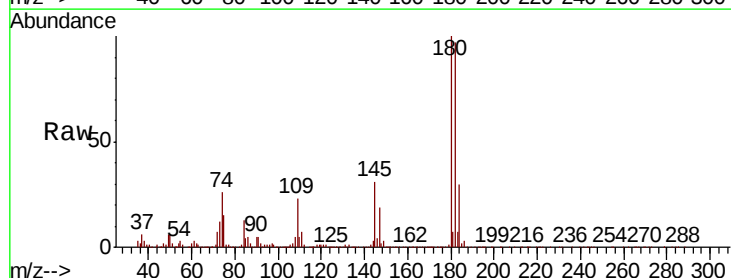
Tgt Ion:180 Resp: 111547

Ion Ratio Lower Upper

180 100

182 97.2 0.0 192.4

145 29.5 0.0 60.4



Abundance Ion 180.00 (179.70 to 180.70): V  
Ion 182.00 (181.70 to 182.70): V  
Ion 145.00 (144.70 to 145.70): V

