

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031220\  
 Data File : VX015212.D  
 Acq On : 11 Mar 2020 19:56  
 Operator : JC/SP  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 12 08:25:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Mar 12 08:23:39 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.01  | 128  | 53148    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.85  | 114  | 275423   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.11 | 117  | 255933   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.06   | 65    | 102726   | 28.03    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 93.43%  |
| 60) 4-Bromofluorobenzene  | 11.13  | 95    | 118064   | 29.65    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 98.83%  |
| 63) Toluene-d8            | 8.71   | 98    | 342618   | 30.79    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 102.63% |

## Target Compounds

|                               |      |     |        |        | Ovalue     |
|-------------------------------|------|-----|--------|--------|------------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 14973  | 6.200  | ug/l 98    |
| 3) Chloromethane              | 1.32 | 50  | 21819  | 6.846  | ug/l 96    |
| 4) Vinyl Chloride             | 1.40 | 62  | 20824  | 6.124  | ug/l 98    |
| 5) Bromomethane               | 1.64 | 94  | 13231  | 5.618  | ug/l 93    |
| 6) Chloroethane               | 1.72 | 64  | 12545  | 5.640  | ug/l 94    |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 23480  | 4.908  | ug/l 92    |
| 8) Diethyl Ether              | 2.18 | 74  | 11361  | 5.561  | ug/l 97    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 14819  | 5.325  | ug/l 99    |
| 10) 1,1-Dichloroethene        | 2.37 | 96  | 14095  | 4.981  | ug/l 91    |
| 11) Methyl Iodide             | 2.50 | 142 | 10527  | 3.157  | ug/l 95    |
| 13) Acrolein                  | 2.28 | 56  | 16397  | 24.482 | ug/l 98    |
| 14) Acrylonitrile             | 3.13 | 53  | 43269  | 26.817 | ug/l 97    |
| 15) Acetone                   | 2.44 | 58  | 11103  | 20.859 | ug/l 91    |
| 17) Allyl chloride            | 2.72 | 41  | 25908  | 5.177  | ug/l 97    |
| 18) Methylene Chloride        | 2.85 | 84  | 17561  | 5.387  | ug/l 95    |
| 19) trans-1,2-Dichloroethene  | 3.16 | 96  | 16942  | 5.487  | ug/l 84    |
| 20) Diisopropyl ether         | 3.84 | 45  | 52890  | 5.227  | ug/l 97    |
| 21) 1,1-Dichloroethane        | 3.69 | 63  | 29416  | 5.321  | ug/l 97    |
| 22) cis-1,2-Dichloroethene    | 4.59 | 96  | 17845  | 5.049  | ug/l 98    |
| 23) tert-Butyl Alcohol        | 3.03 | 59  | 18362  | 28.865 | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 3.18 | 73  | 44107  | 4.720  | ug/l # 91  |
| 25) Chloroform                | 5.20 | 83  | 28061  | 5.087  | ug/l 98    |
| 26) Cyclohexane               | 5.56 | 56  | 25604  | 5.170  | ug/l # 96  |
| 29) 1,1-Dichloropropene       | 5.79 | 75  | 11868  | 2.994  | ug/l 52    |
| 30) 2-Butanone                | 4.66 | 43  | 55492  | 24.611 | ug/l # 97  |
| 31) 2,2-Dichloropropane       | 4.56 | 77  | 18239  | 4.359  | ug/l 98    |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 22613  | 5.067  | ug/l 99    |
| 33) Carbon Tetrachloride      | 5.78 | 117 | 18986  | 4.871  | ug/l 96    |
| 34) Benzene                   | 6.13 | 78  | 64748  | 5.380  | ug/l 95    |
| 35) Methacrylonitrile         | 5.03 | 41  | 11451  | 4.872  | ug/l 91    |
| 37) Trichloroethene           | 7.21 | 130 | 19001  | 5.617  | ug/l 97    |
| 38) Methylcyclohexane         | 7.45 | 83  | 24093  | 4.947  | ug/l 97    |
| 39) 1,2-Dichloropropane       | 7.50 | 63  | 16735  | 5.371  | ug/l 93    |
| 40) Dibromomethane            | 7.66 | 93  | 11451  | 5.563  | ug/l 99    |
| 41) Bromodichloromethane      | 7.89 | 83  | 19677  | 4.885  | ug/l # 98  |
| 42) Vinyl Acetate             | 3.81 | 43  | 207924 | 25.553 | ug/l 99    |
| 43) Ethyl Acetate             | 4.82 | 43  | 22334  | 5.316  | ug/l # 97  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031220\  
 Data File : VX015212.D  
 Acq On : 11 Mar 2020 19:56  
 Operator : JC/SP  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 12 08:25:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Mar 12 08:23:39 2020  
 Response via : Initial Calibration

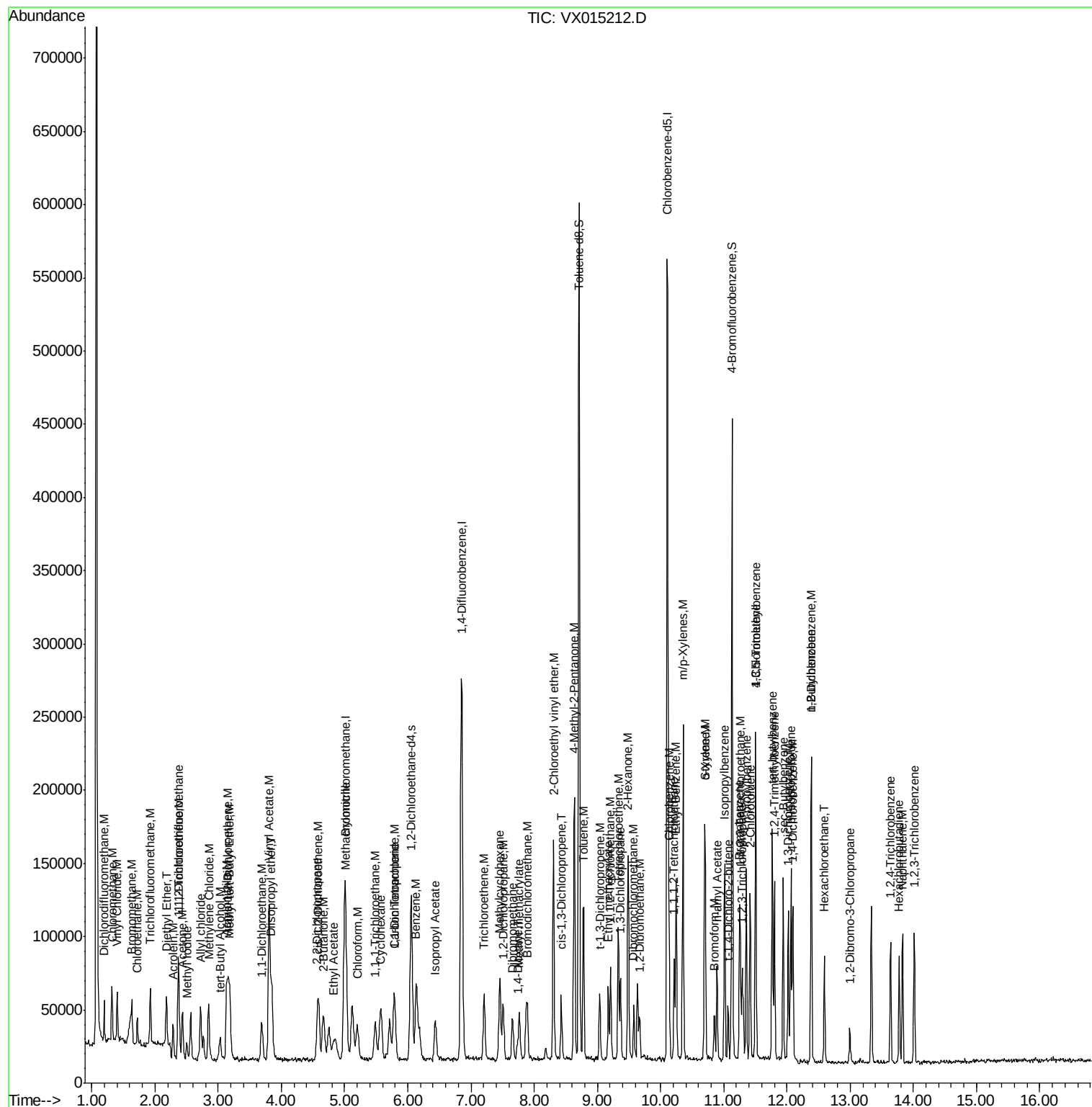
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 44) Isopropyl Acetate          | 6.43  | 43   | 37033    | 5.326   | ug/l   | 95       |
| 45) 1,4-Dioxane                | 7.74  | 88   | 7289     | 110.087 | ug/l # | 92       |
| 46) Methyl methacrylate        | 7.76  | 41   | 17579    | 5.095   | ug/l   | 93       |
| 47) n-amyl Acetate             | 10.89 | 43   | 26306    | 4.378   | ug/l   | 99       |
| 48) t-1,3-Dichloropropene      | 9.04  | 75   | 19729    | 4.421   | ug/l   | 95       |
| 49) cis-1,3-Dichloropropene    | 8.43  | 75   | 23590    | 4.775   | ug/l   | 92       |
| 50) 1,1,2-Trichloroethane      | 9.21  | 97   | 16319    | 5.325   | ug/l   | 97       |
| 51) Ethyl methacrylate         | 9.17  | 69   | 21932    | 4.640   | ug/l   | 94       |
| 52) 1,3-Dichloropropane        | 9.37  | 76   | 27550    | 5.310   | ug/l   | 98       |
| 53) Dibromochloromethane       | 9.57  | 129  | 16068    | 4.895   | ug/l   | 97       |
| 54) 1,2-Dibromoethane          | 9.67  | 107  | 16656    | 5.129   | ug/l   | 97       |
| 55) 2-Chloroethyl vinyl ether  | 8.31  | 63   | 58021    | 23.205  | ug/l   | 99       |
| 56) Bromoform                  | 10.85 | 173  | 11534    | 4.511   | ug/l   | 95       |
| 58) 4-Methyl-2-Pentanone       | 8.64  | 43   | 108552   | 25.374  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 79418    | 24.109  | ug/l   | 97       |
| 61) Tetrachloroethene          | 9.33  | 164  | 19014    | 5.463   | ug/l   | 96       |
| 62) Toluene                    | 8.78  | 91   | 70299    | 5.313   | ug/l   | 100      |
| 64) Chlorobenzene              | 10.14 | 112  | 44935    | 5.325   | ug/l   | 95       |
| 65) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 15605    | 5.000   | ug/l   | 99       |
| 66) Ethyl Benzene              | 10.25 | 91   | 72293    | 4.973   | ug/l   | 98       |
| 67) m/p-Xylenes                | 10.36 | 106  | 55196    | 9.845   | ug/l   | 99       |
| 68) o-Xylene                   | 10.70 | 106  | 25746    | 4.751   | ug/l   | 96       |
| 69) Styrene                    | 10.71 | 104  | 43660    | 4.686   | ug/l   | 99       |
| 70) Isopropylbenzene           | 11.01 | 105  | 70428    | 4.903   | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 24825    | 5.345   | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane     | 11.29 | 75   | 25439    | 6.428   | ug/l   | 94       |
| 73) Bromobenzene               | 11.25 | 156  | 20055    | 5.168   | ug/l   | 98       |
| 74) n-propylbenzene            | 11.35 | 91   | 79007    | 4.819   | ug/l   | 99       |
| 75) 2-Chlorotoluene            | 11.42 | 91   | 49183    | 5.096   | ug/l   | 97       |
| 76) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 56850    | 4.732   | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene    | 11.07 | 75   | 6247     | 4.045   | ug/l   | 93       |
| 78) 4-Chlorotoluene            | 11.51 | 91   | 57044    | 5.079   | ug/l   | 98       |
| 79) tert-butylbenzene          | 11.76 | 119  | 54035    | 4.667   | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 55301    | 4.613   | ug/l   | 98       |
| 81) sec-Butylbenzene           | 11.94 | 105  | 66525    | 4.768   | ug/l   | 100      |
| 82) p-Isopropyltoluene         | 12.06 | 119  | 58828    | 4.567   | ug/l   | 97       |
| 83) 1,3-Dichlorobenzene        | 12.02 | 146  | 35241    | 5.152   | ug/l   | 97       |
| 84) 1,4-Dichlorobenzene        | 12.09 | 146  | 34718    | 5.047   | ug/l   | 97       |
| 85) n-Butylbenzene             | 12.39 | 91   | 47555    | 4.218   | ug/l   | 100      |
| 86) Hexachloroethane           | 12.59 | 117  | 10064    | 4.298   | ug/l   | 96       |
| 87) 1,2-Dichlorobenzene        | 12.39 | 146  | 33185    | 4.900   | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 4428     | 4.435   | ug/l   | 98       |
| 89) 1,2,4-Trichlorobenzene     | 13.64 | 180  | 21444    | 4.374   | ug/l   | 98       |
| 90) Hexachlorobutadiene        | 13.78 | 225  | 11515    | 4.747   | ug/l   | 98       |
| 91) Naphthalene                | 13.83 | 128  | 54702    | 3.963   | ug/l   | 98       |
| 92) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 22406    | 4.586   | ug/l   | 99       |
| -----                          |       |      |          |         |        |          |

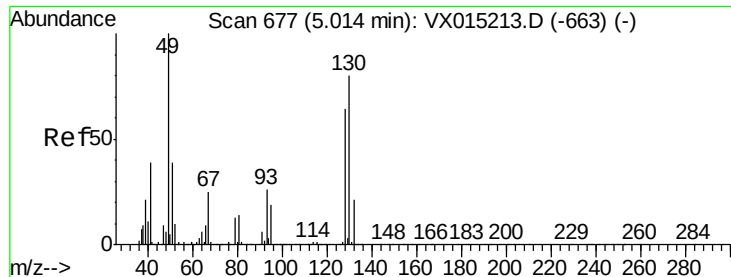
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031220\  
 Data File : VX015212.D  
 Acq On : 11 Mar 2020 19:56  
 Operator : JC/SP  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 12 08:25:28 2020  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Mar 12 08:23:39 2020  
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :  
MSVOA\_X  
ClientSampleId :

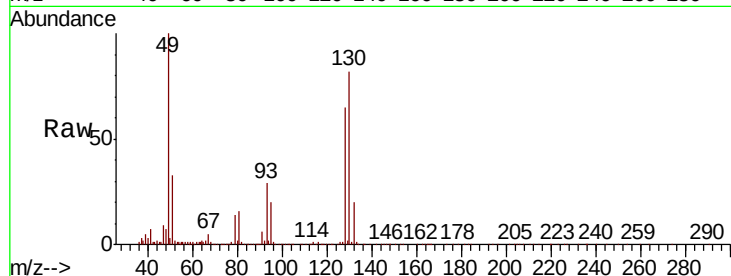
Tot Ion:128 Resp: 53148

Ion Ratio Lower Upper

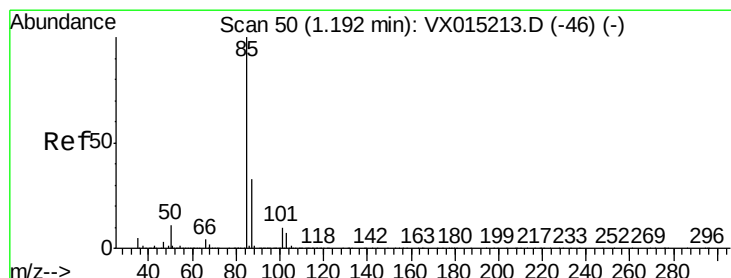
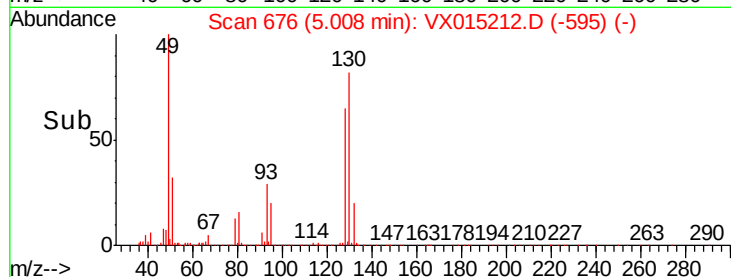
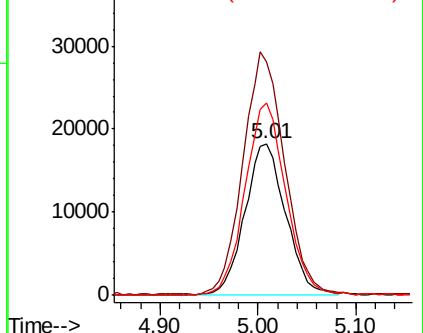
128 100

49 161.8 0.0 410.8

130 126.1 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 49.00 (48.70 to 49.70): VX0  
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.200 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015212.D

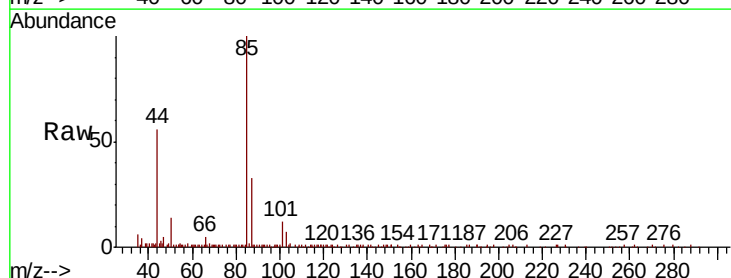
Acq: 11 Mar 2020 19:56

Tgt Ion: 85 Resp: 14973

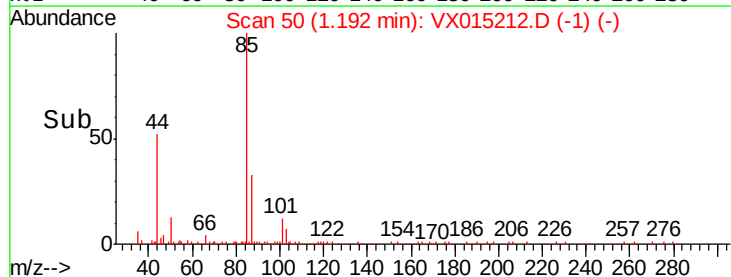
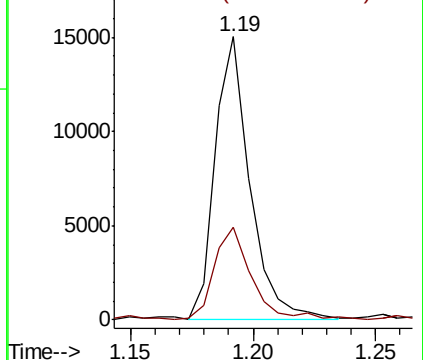
Ion Ratio Lower Upper

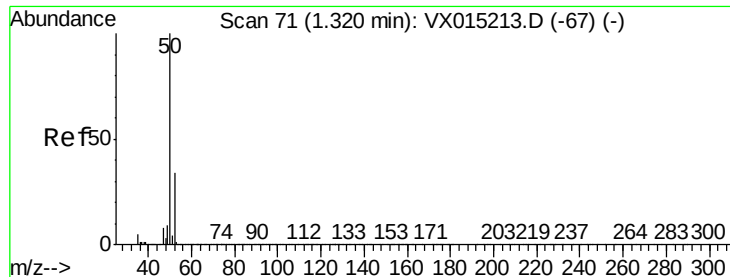
85 100

87 32.2 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0

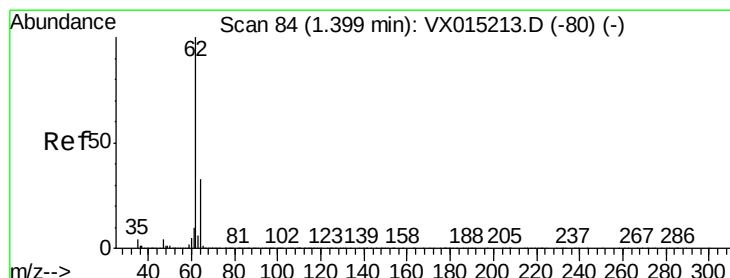
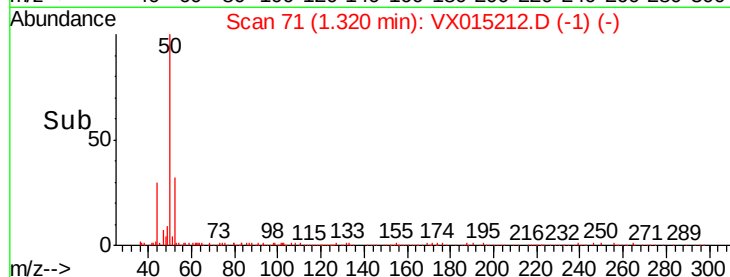
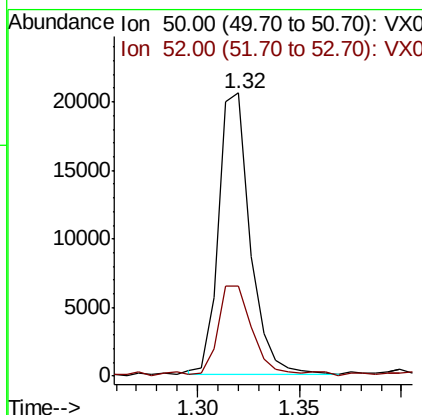
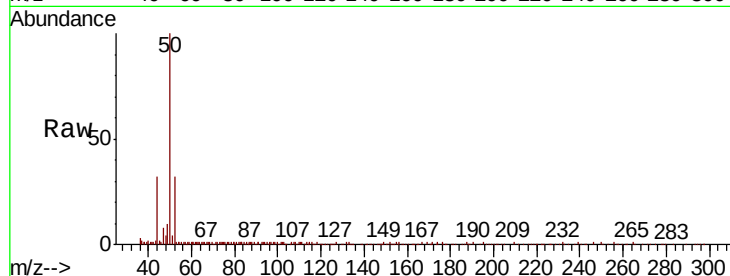




#3  
Chloromethane  
Concen: 6.846 ug/l  
RT: 1.32 min Scan# 71  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

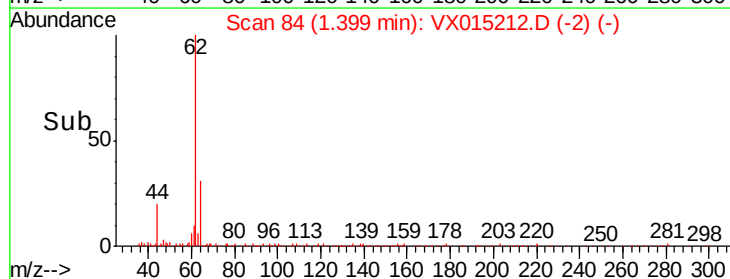
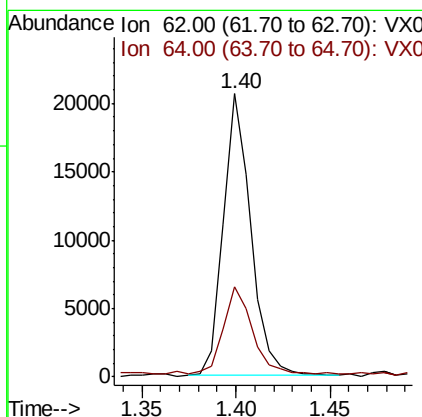
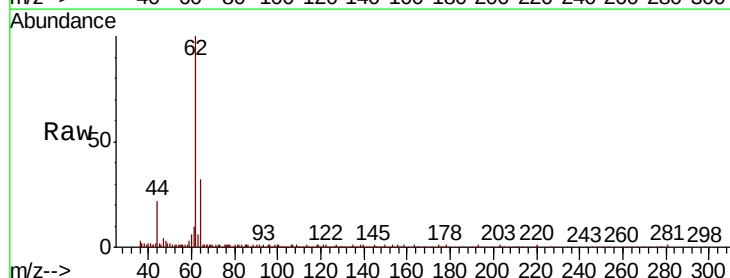
Instrument :  
MSVOA\_X  
ClientSampleId :

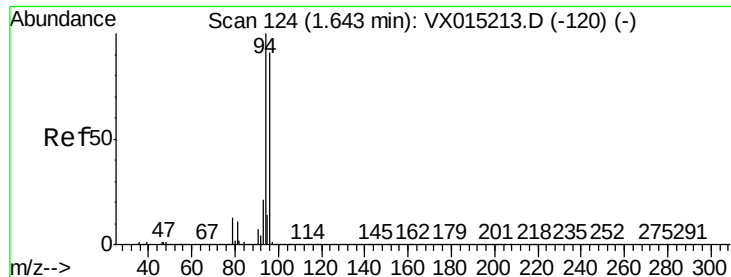
Tot Ion: 50 Resp: 21819  
Ion Ratio Lower Upper  
50 100  
52 32.1 27.4 41.0



#4  
Vinyl Chloride  
Concen: 6.124 ug/l  
RT: 1.40 min Scan# 84  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

Tgt Ion: 62 Resp: 20824  
Ion Ratio Lower Upper  
62 100  
64 31.0 25.9 38.9





#5

Bromomethane

Concen: 5.618 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

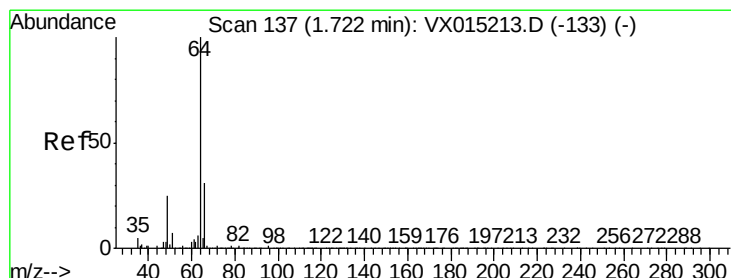
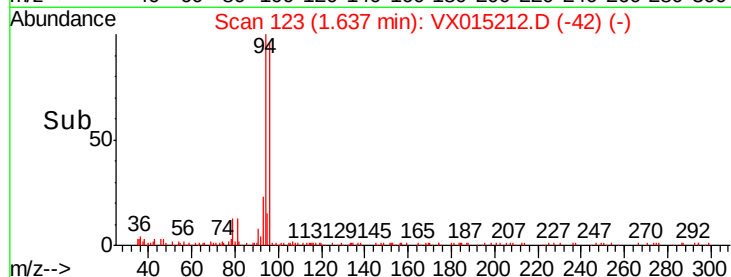
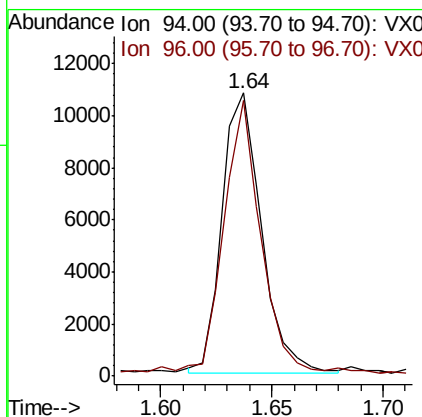
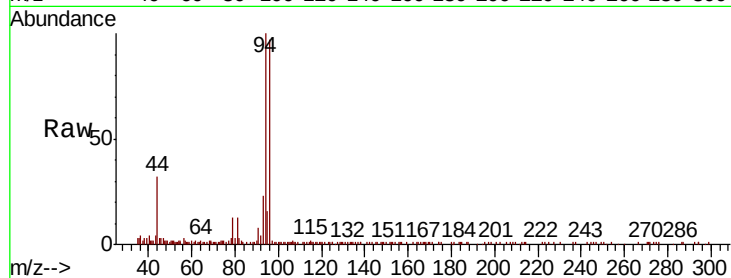
ClientSampleId :

Tot Ion: 94 Resp: 13231

Ion Ratio Lower Upper

94 100

96 96.4 72.2 108.2



#6

Chloroethane

Concen: 5.640 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX015212.D

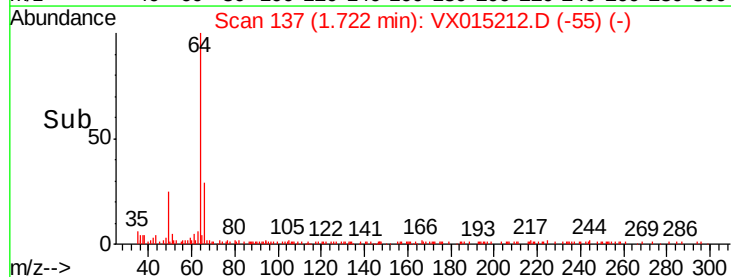
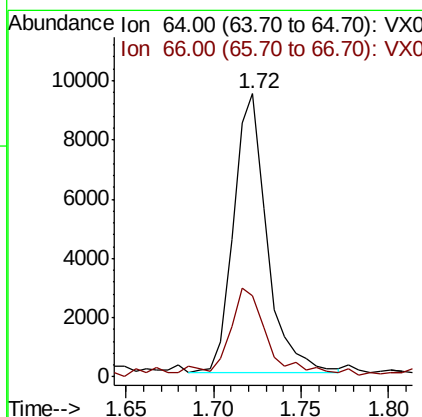
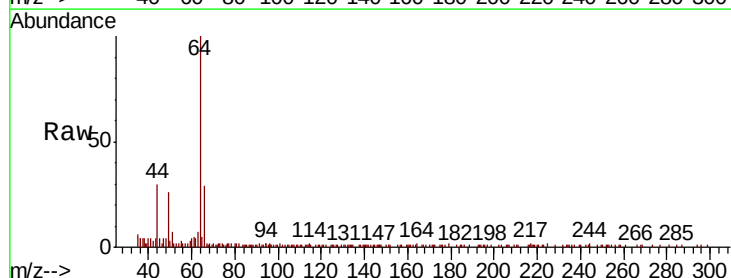
Acq: 11 Mar 2020 19:56

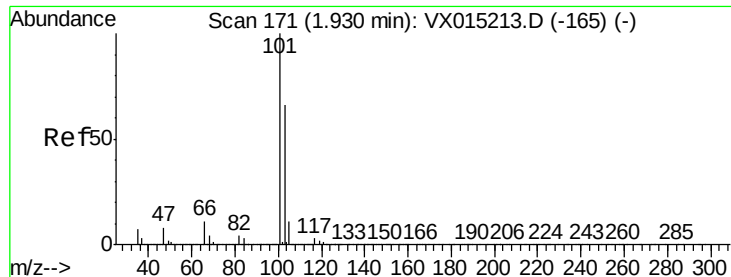
Tgt Ion: 64 Resp: 12545

Ion Ratio Lower Upper

64 100

66 27.8 24.9 37.3



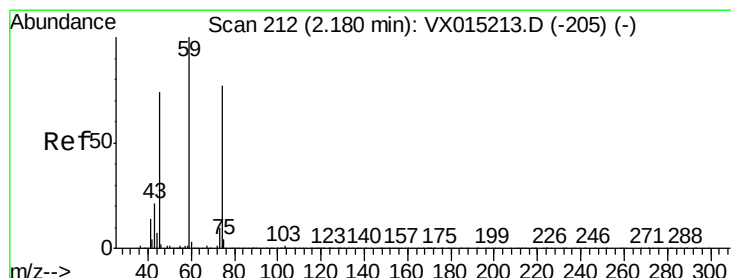
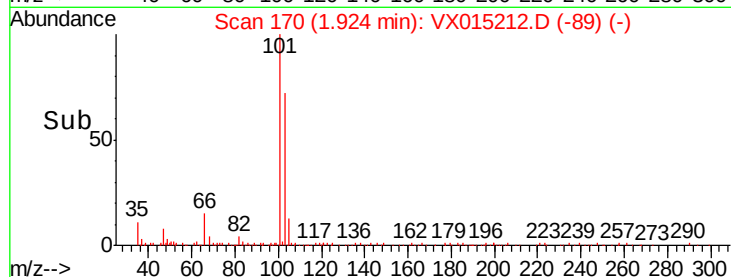
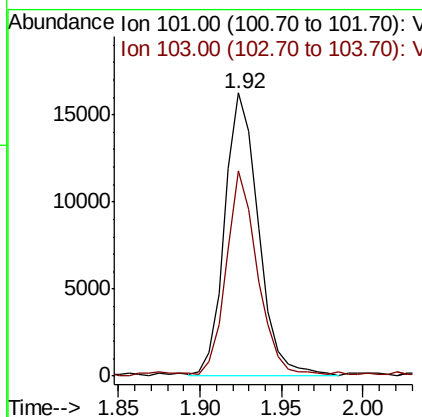
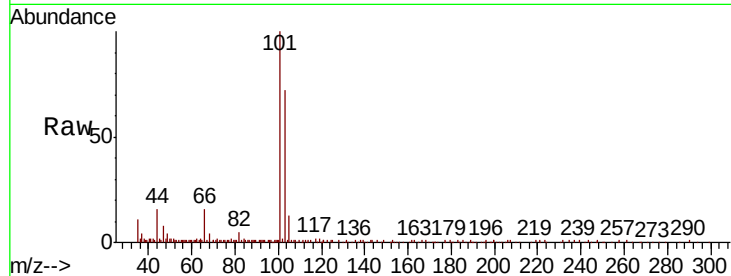


#7

Trichlorofluoromethane  
 Concen: 4.908 ug/l  
 RT: 1.92 min Scan# 170  
 Delta R.T. -0.01 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

Instrument :  
 MSVOA\_X  
 ClientSampleId :

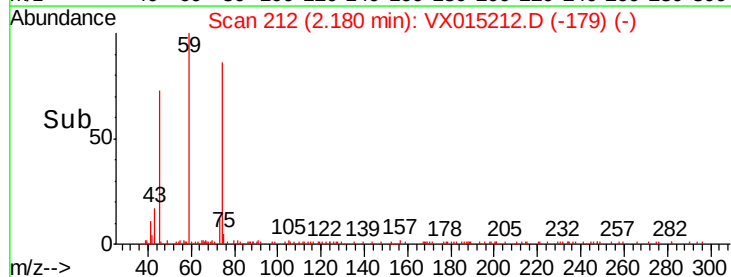
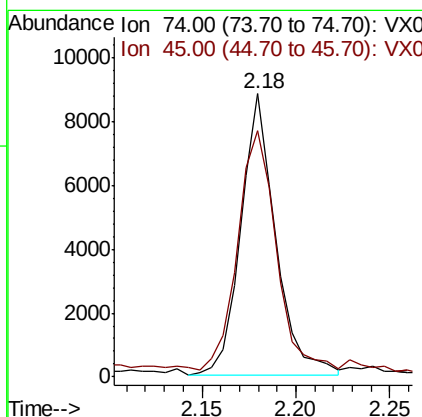
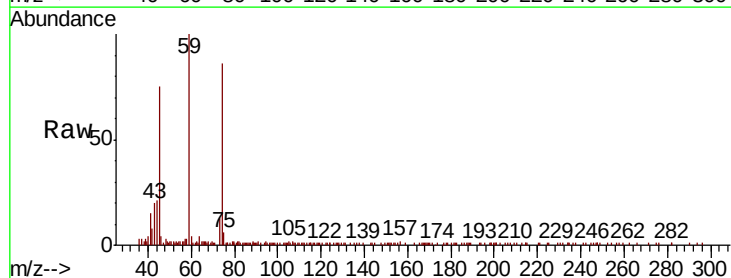
Tot Ion:101 Resp: 23480  
 Ion Ratio Lower Upper  
 101 100  
 103 71.8 52.5 78.7



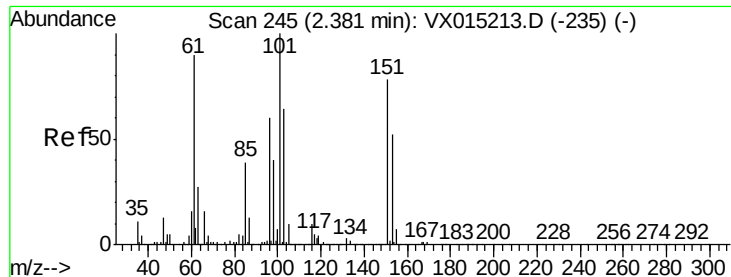
#8

Diethyl Ether  
 Concen: 5.561 ug/l  
 RT: 2.18 min Scan# 212  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

Tgt Ion: 74 Resp: 11361  
 Ion Ratio Lower Upper  
 74 100  
 45 92.5 19.1 171.5







#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.325 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

ClientSampleId :

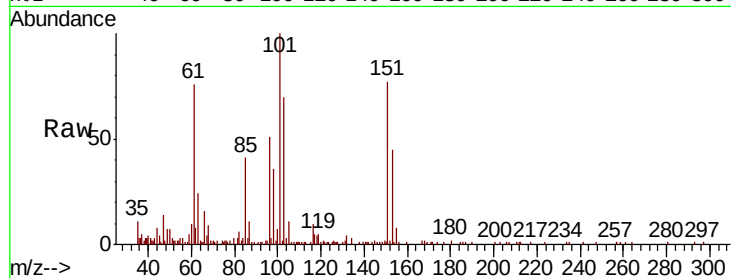
Tot Ion:101 Resp: 14819

Ion Ratio Lower Upper

101 100

85 41.3 0.0 84.6

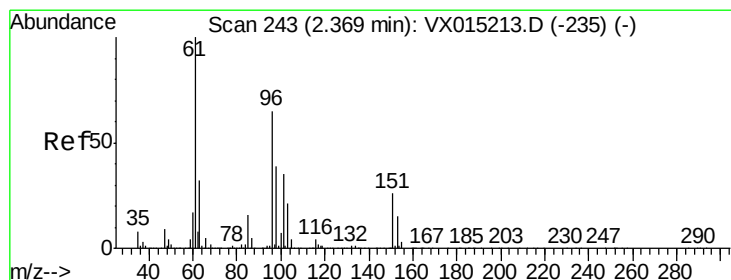
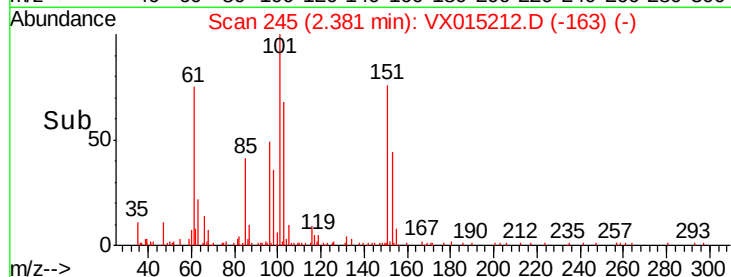
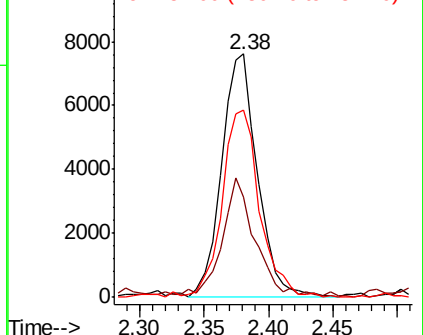
151 80.0 0.0 161.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 4.981 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

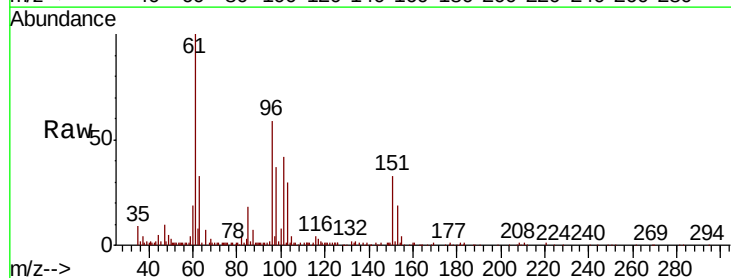
Tgt Ion: 96 Resp: 14095

Ion Ratio Lower Upper

96 100

61 167.6 123.1 184.7

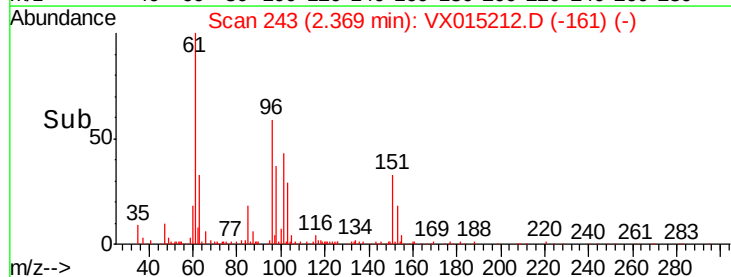
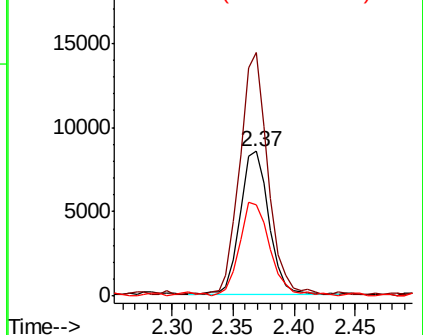
98 63.2 48.1 72.1



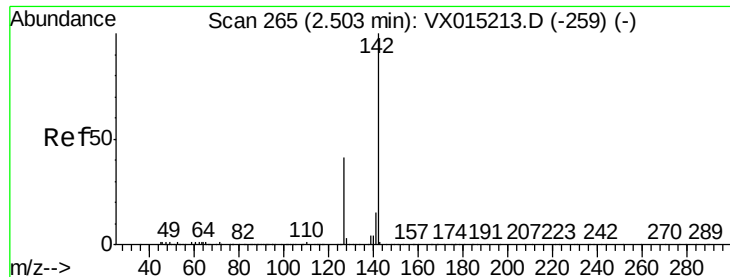
Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



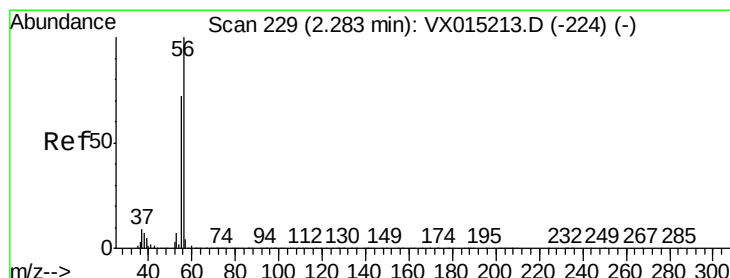
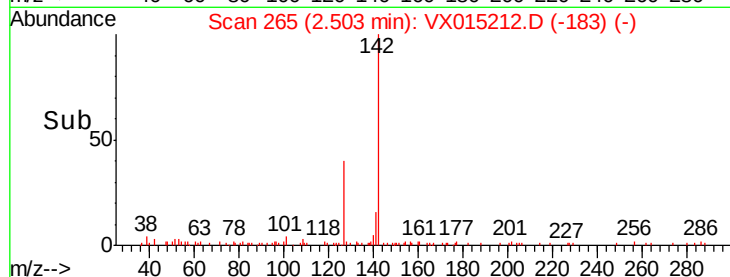
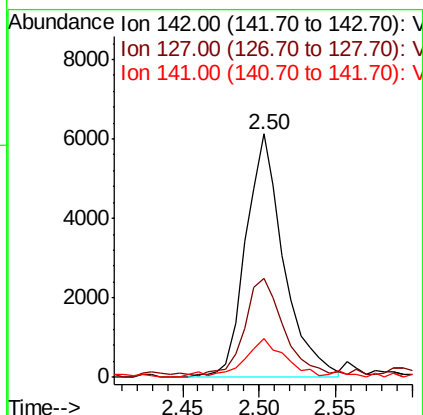
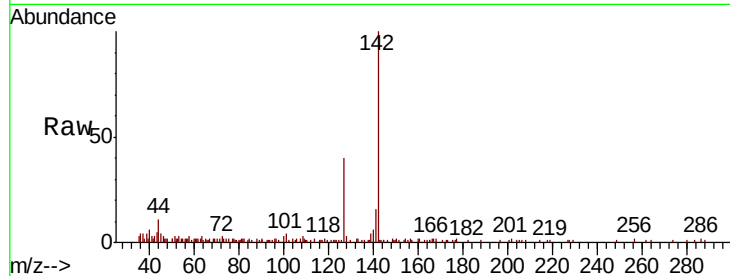




#11  
Methvl Iodide  
Concen: 3.157 ug/l  
RT: 2.50 min Scan# 265  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

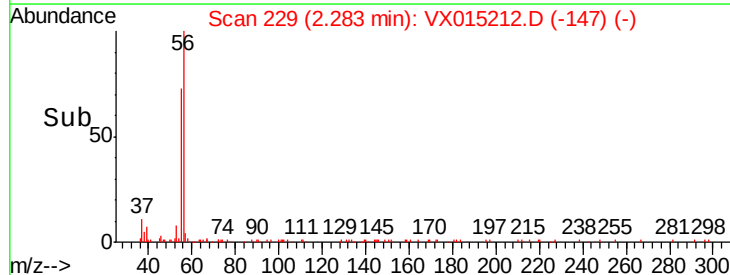
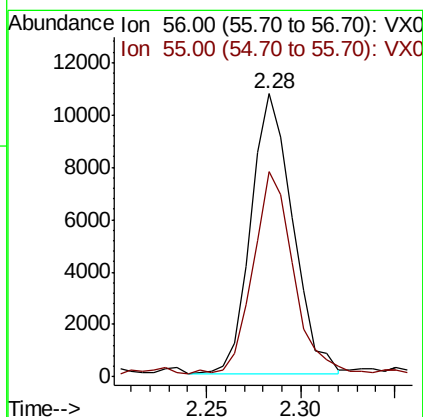
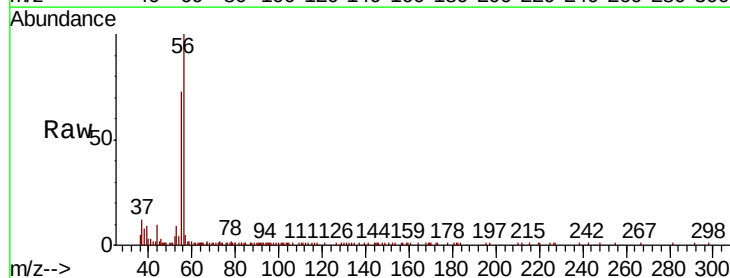
Instrument :  
MSVOA\_X  
ClientSampleId :

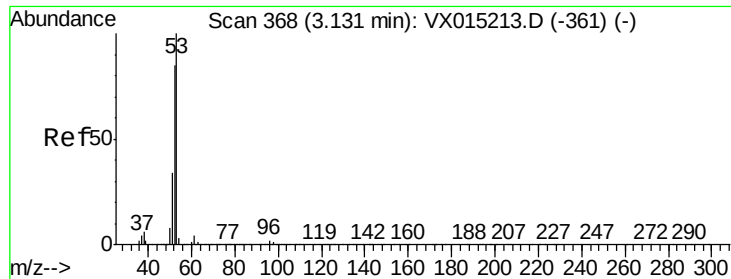
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 38.1  | 20.7  | 62.1  |
| 141     | 14.1  | 7.5   | 22.6  |



#13  
Acrolein  
Concen: 24.482 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 68.8  | 56.2  | 84.4  |

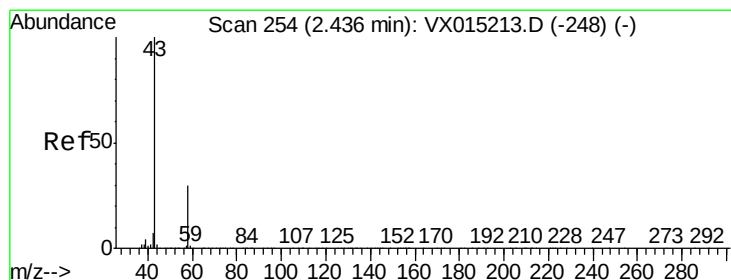
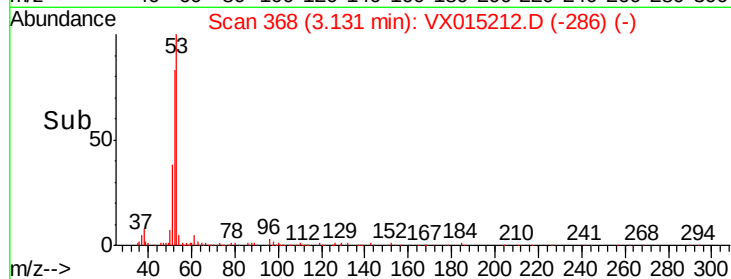
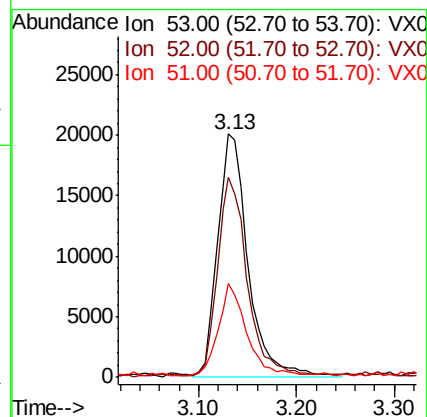
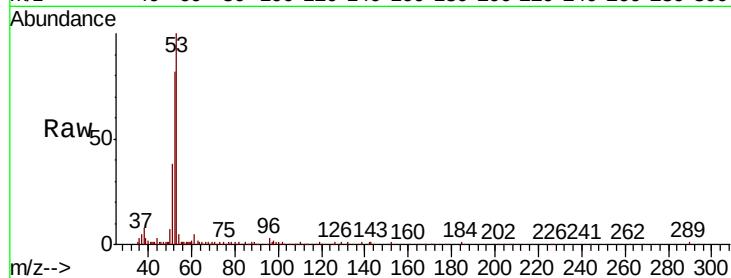




#14  
 Acrylonitrile  
 Concen: 26.817 ug/l  
 RT: 3.13 min Scan# 368  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

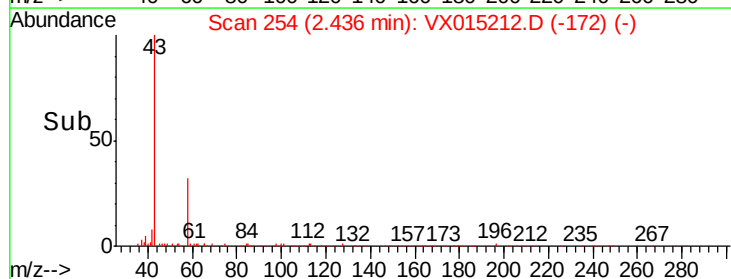
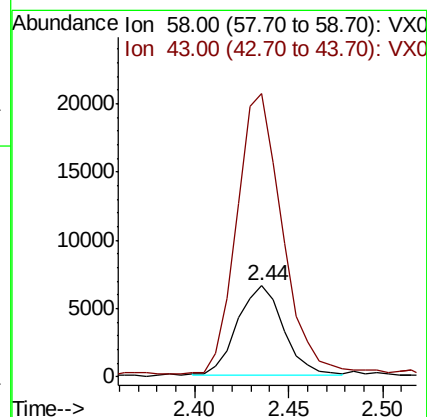
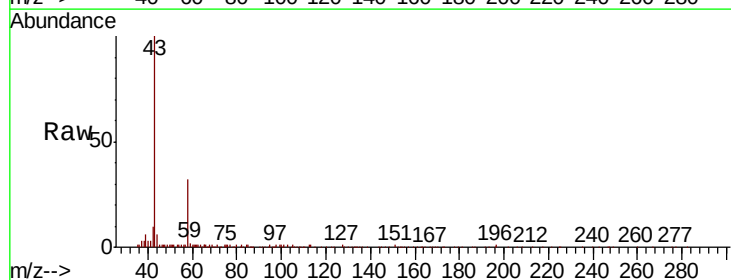
Instrument :  
 MSVOA\_X  
 ClientSampleId :

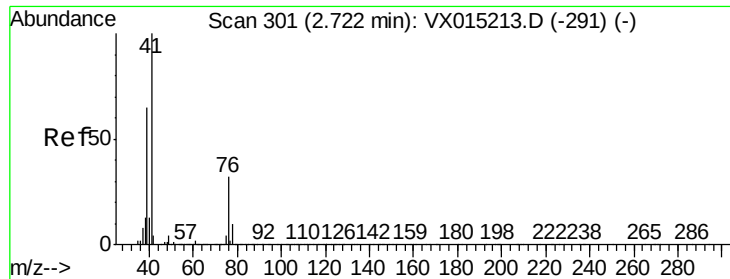
| Tot Ion | 53    | Resp  | 43269 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 53      | 100   |       |       |
| 52      | 79.4  | 41.1  | 123.3 |
| 51      | 34.7  | 18.1  | 54.4  |



#15  
 Acetone  
 Concen: 20.859 ug/l  
 RT: 2.44 min Scan# 254  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

| Tgt Ion | 58    | Resp  | 11103 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 58      | 100   |       |       |
| 43      | 315.5 | 267.7 | 401.5 |

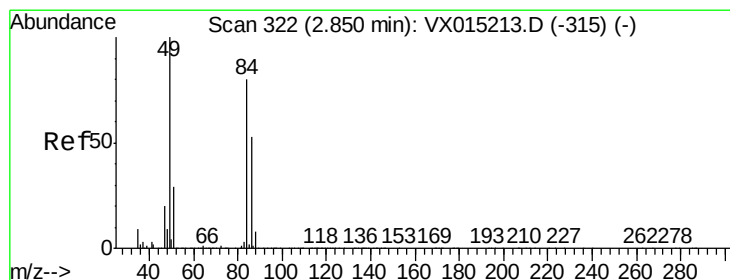
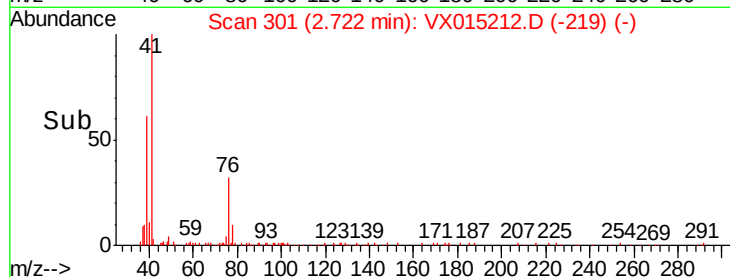
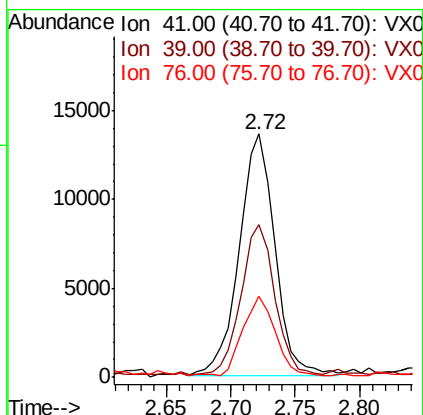
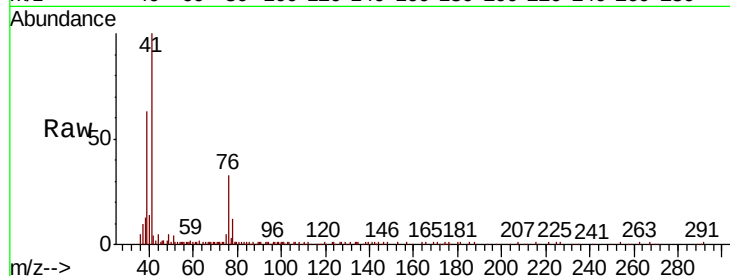




#17  
 Allvl chloride  
 Concen: 5.177 ug/l  
 RT: 2.72 min Scan# 301  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

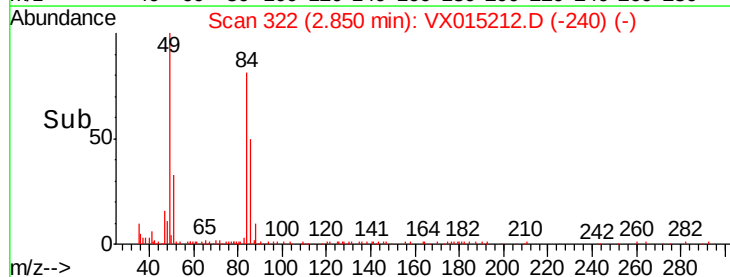
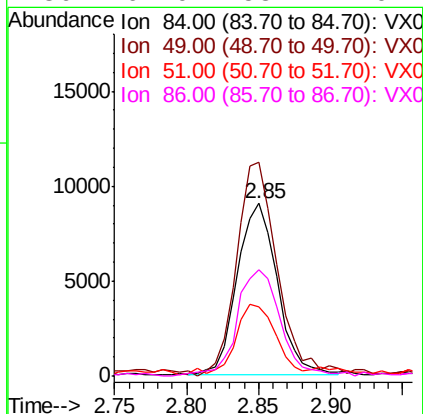
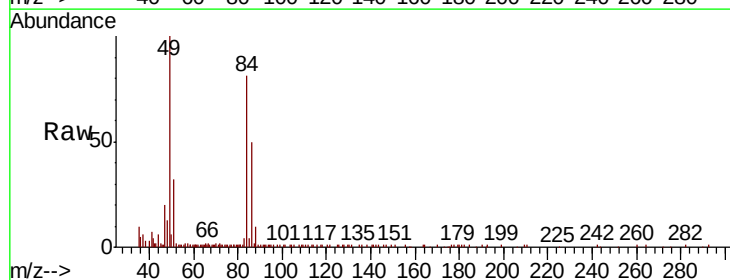
Instrument :  
 MSVOA\_X  
 ClientSampleId :

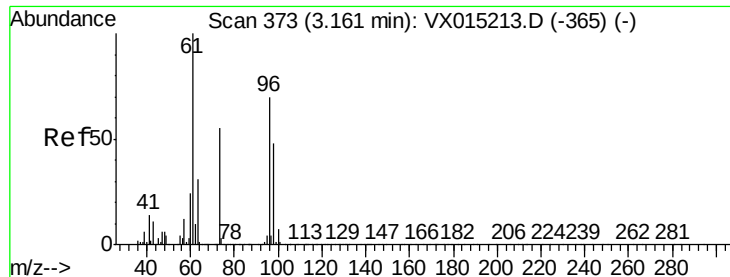
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 61.7  | 32.6  | 97.7  |
| 76      | 32.6  | 16.2  | 48.5  |



#18  
 Methylene Chloride  
 Concen: 5.387 ug/l  
 RT: 2.85 min Scan# 322  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 121.7 | 100.5 | 150.7 |
| 51      | 38.4  | 28.7  | 43.1  |
| 86      | 61.0  | 53.1  | 79.7  |





#19

trans-1,2-Dichloroethene

Concen: 5.487 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :  
MSVOA\_X  
ClientSampled :

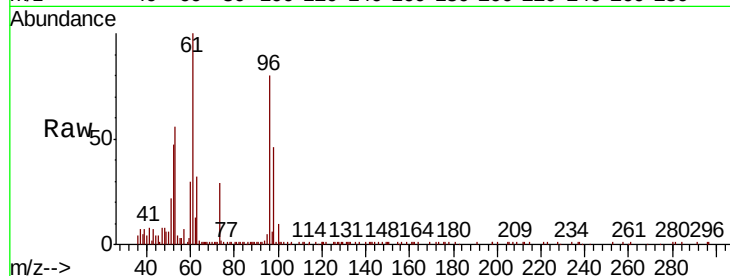
Tot Ion: 96 Resp: 16942

Ion Ratio Lower Upper

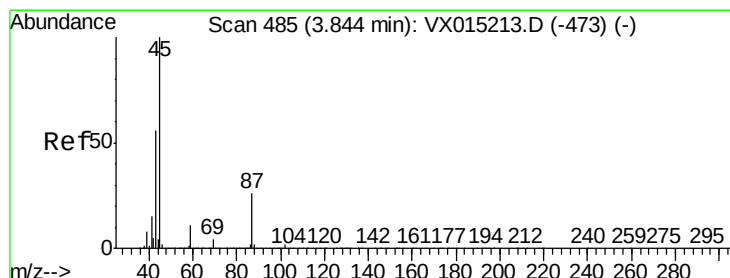
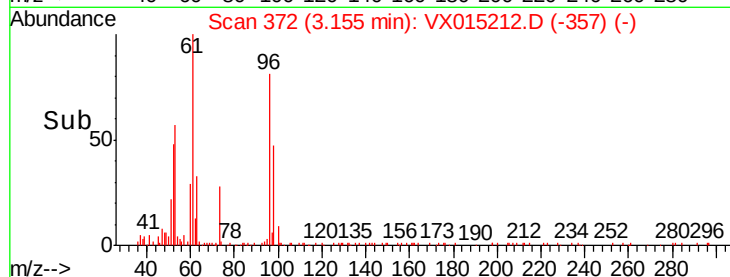
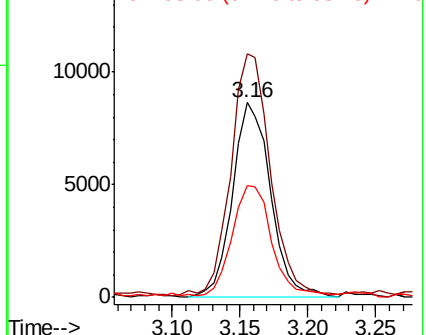
96 100

61 122.4 113.8 170.6

98 56.1 54.6 82.0



Abundance Ion 96.00 (95.70 to 96.70): VX0  
Ion 61.00 (60.70 to 61.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 5.227 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Tgt Ion: 45 Resp: 52890

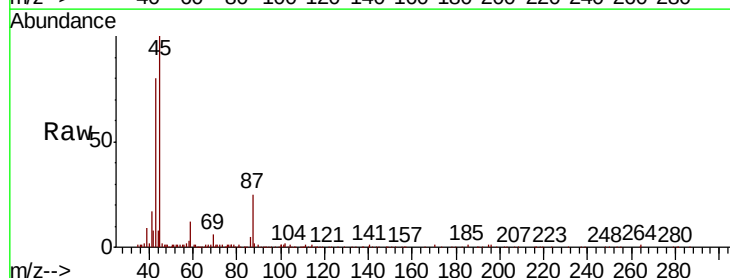
Ion Ratio Lower Upper

45 100

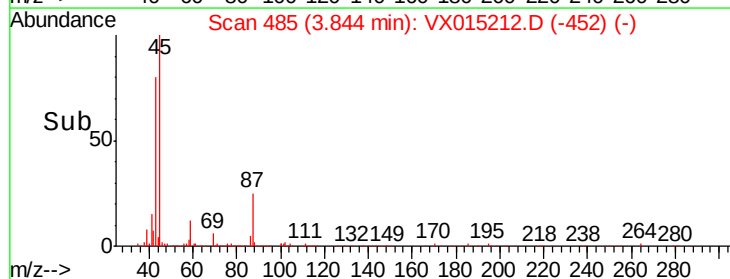
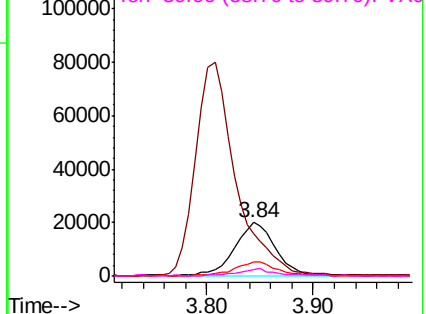
43 78.0 60.3 90.5

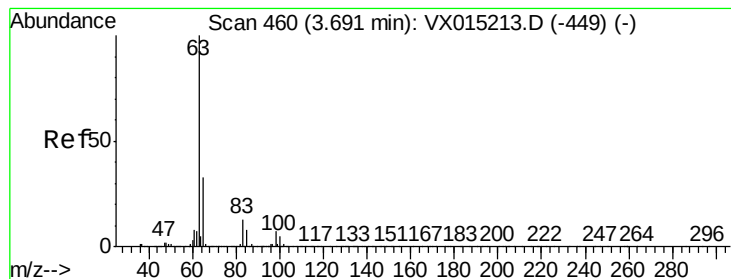
87 25.1 21.0 31.6

59 11.6 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0  
Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 5.321 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

ClientSampleId :

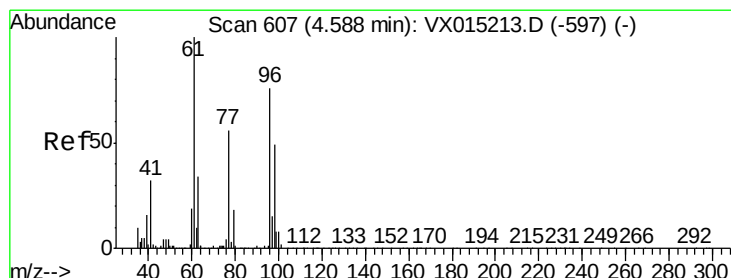
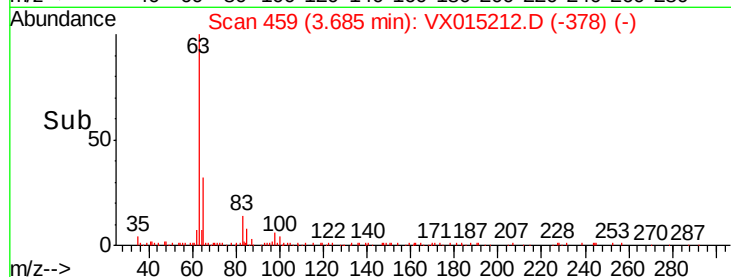
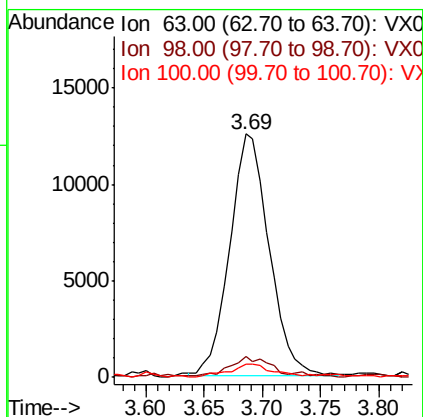
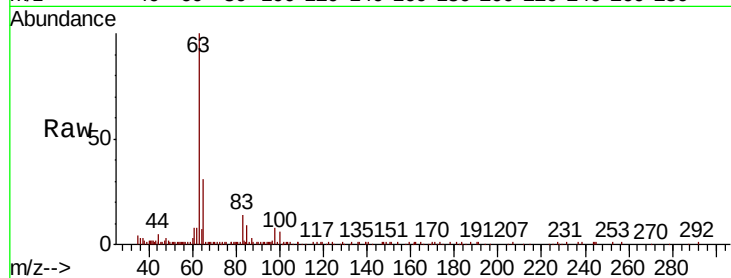
Tot Ion: 63 Resp: 29416

Ion Ratio Lower Upper

63 100

98 8.4 3.6 10.8

100 5.7 2.6 7.8



#22

cis-1,2-Dichloroethene

Concen: 5.049 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

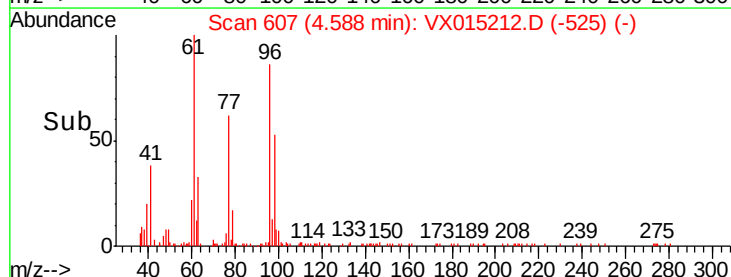
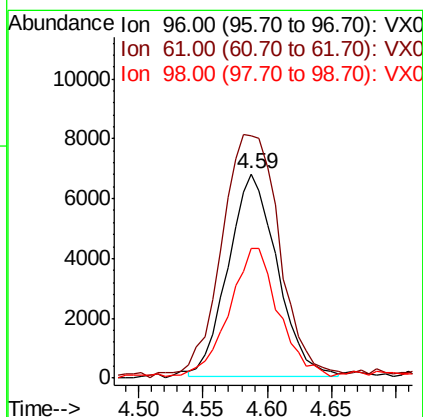
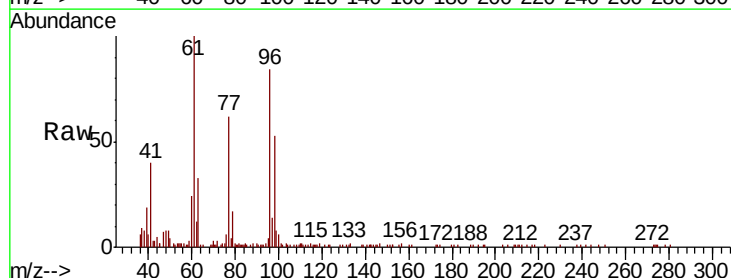
Tgt Ion: 96 Resp: 17845

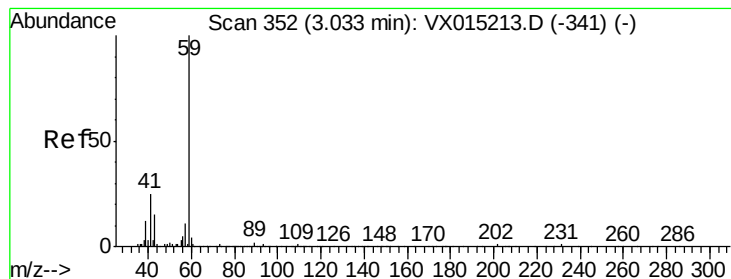
Ion Ratio Lower Upper

96 100

61 139.8 109.3 163.9

98 64.4 51.3 76.9





#23

tert-Butyl Alcohol

Concen: 28.865 ug/l

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

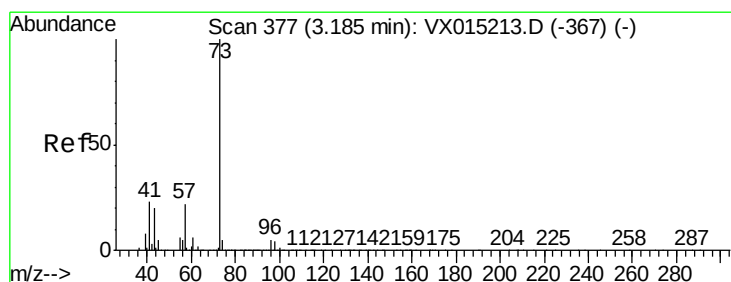
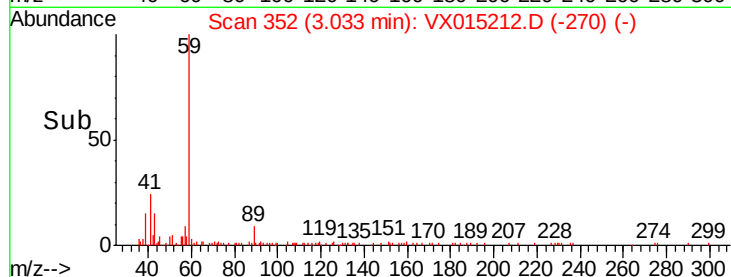
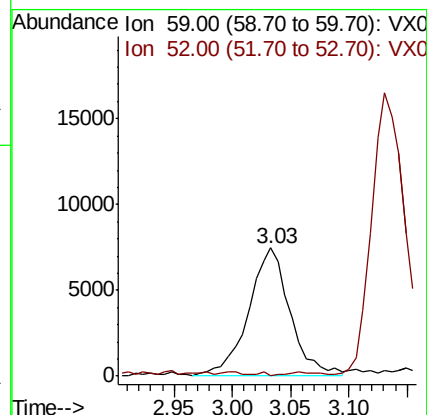
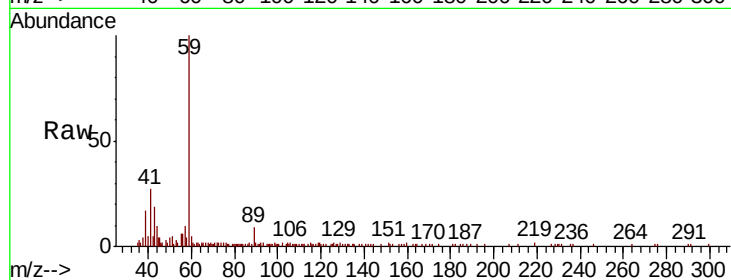
ClientSampleId :

Tot Ion: 59 Resp: 18362

Ion Ratio Lower Upper

59 100

52 0.7 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 4.720 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: VX015212.D

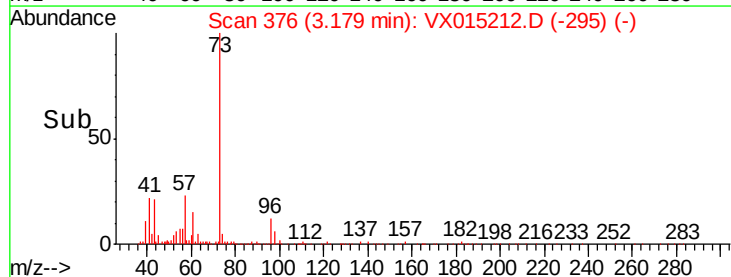
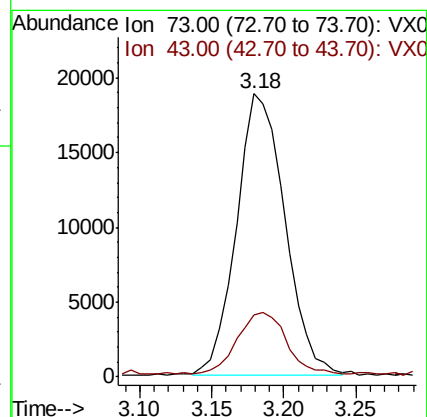
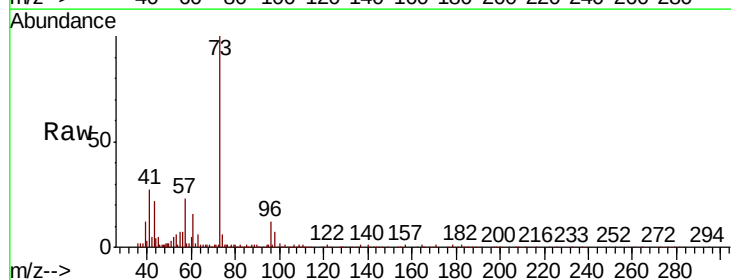
Acq: 11 Mar 2020 19:56

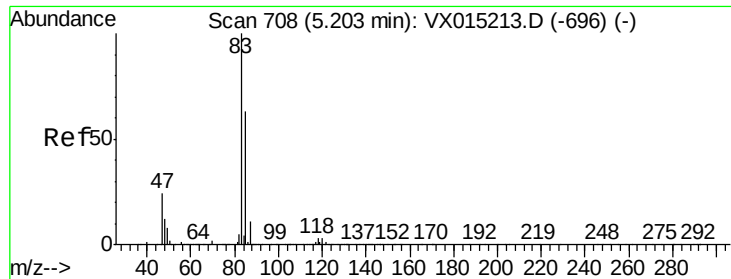
Tgt Ion: 73 Resp: 44107

Ion Ratio Lower Upper

73 100

43 24.8 16.4 24.6#





#25

Chloroform

Concen: 5.087 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

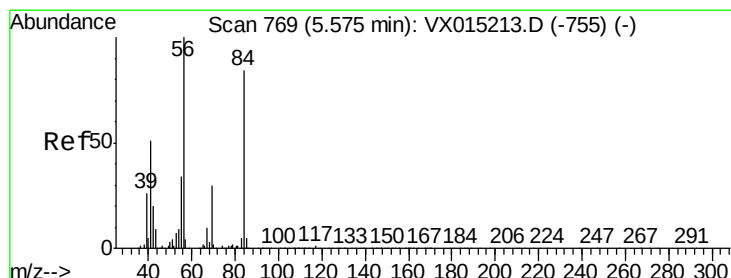
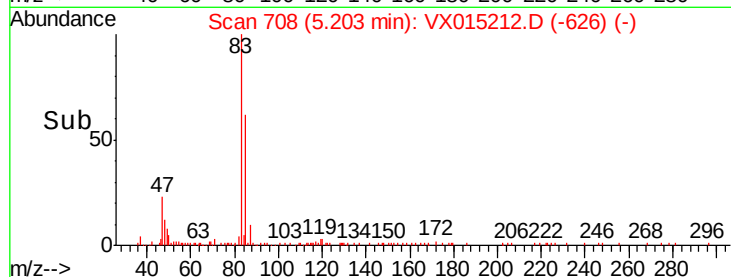
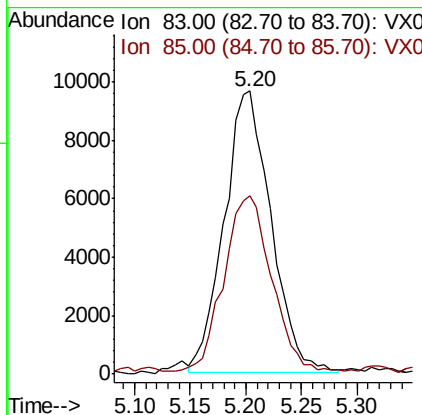
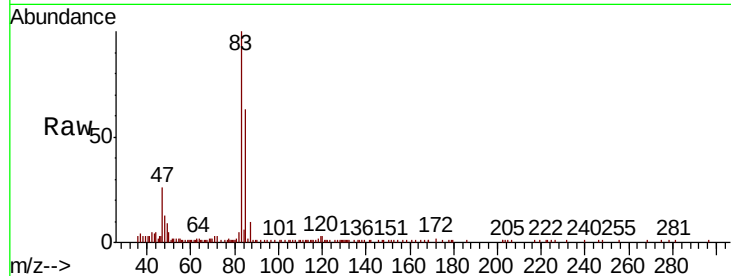
ClientSampleId :

Tot Ion: 83 Resp: 28061

Ion Ratio Lower Upper

83 100

85 61.5 50.7 76.1



#26

Cyclohexane

Concen: 5.170 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

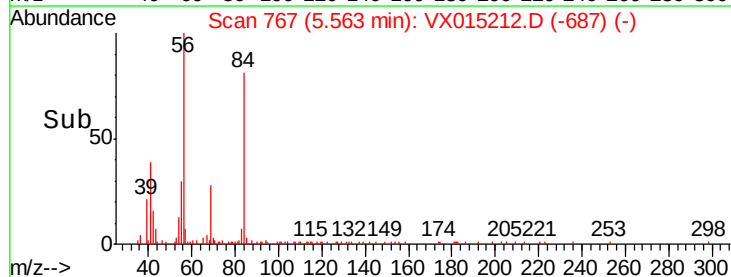
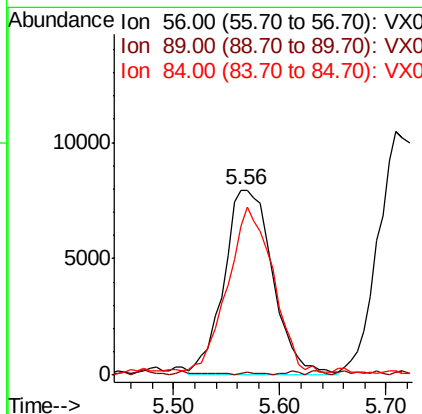
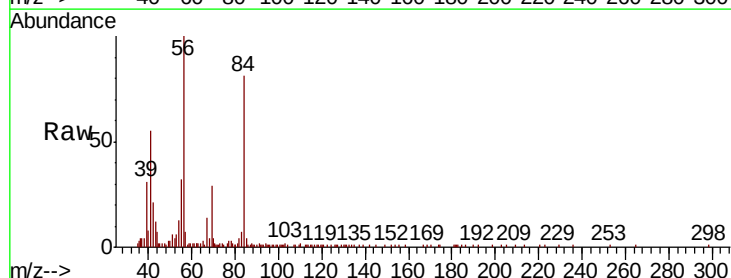
Tgt Ion: 56 Resp: 25604

Ion Ratio Lower Upper

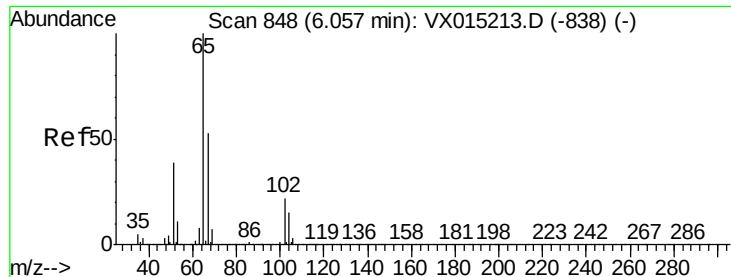
56 100

89 0.6 0.1 0.1#

84 80.2 67.3 100.9







#27

1,2-Dichloroethane-d4

Concen: 28.032 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

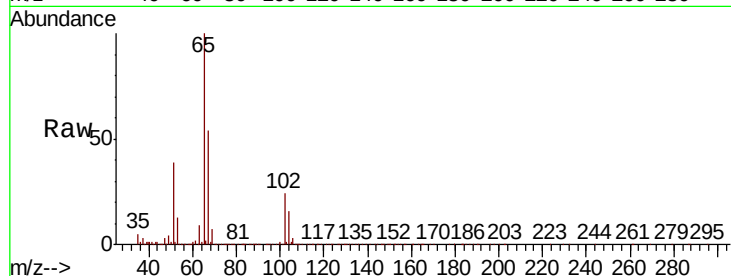
ClientSampleId :

Tot Ion: 65 Resp: 102726

Ion Ratio Lower Upper

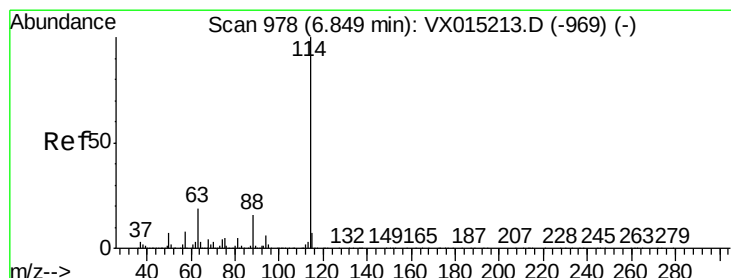
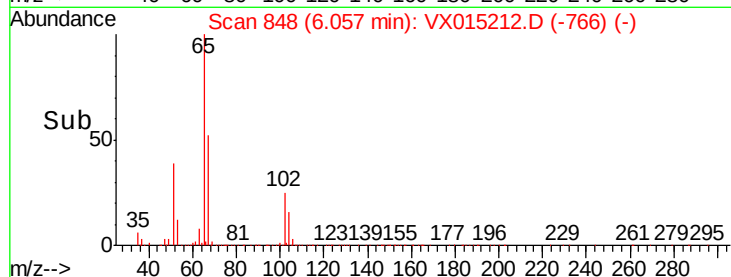
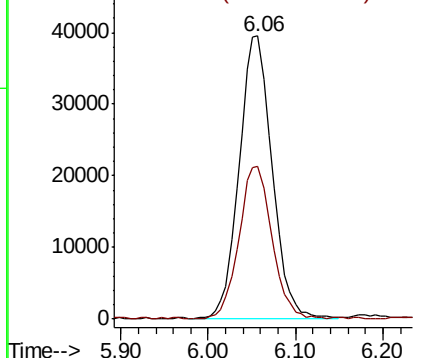
65 100

67 53.7 42.2 63.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

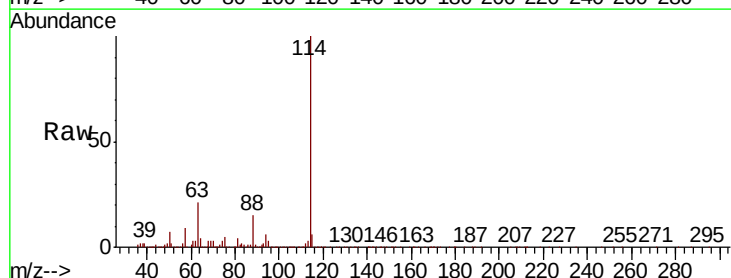
Tgt Ion: 114 Resp: 275423

Ion Ratio Lower Upper

114 100

63 19.6 15.8 23.6

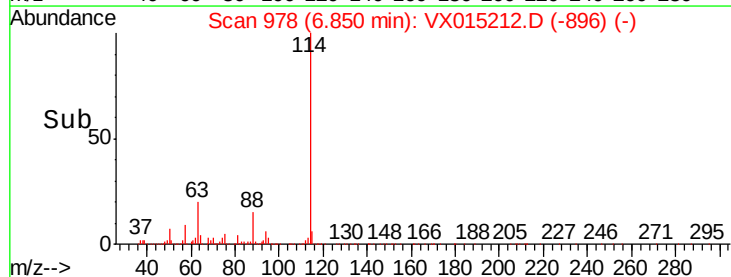
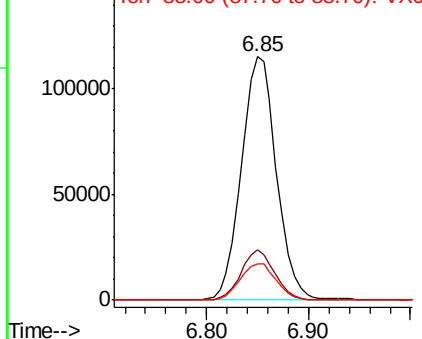
88 15.5 12.4 18.6

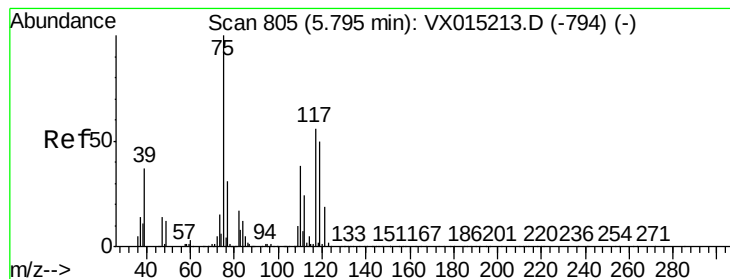


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 2.994 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :  
MSVOA\_X  
ClientSampleId :

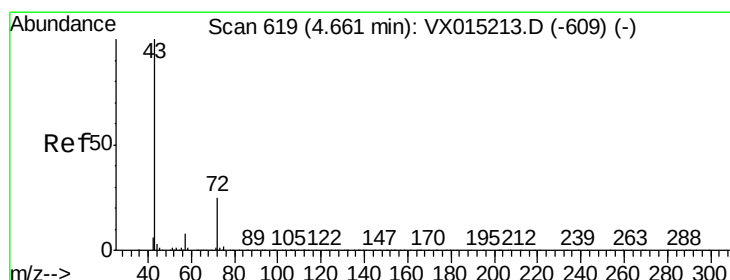
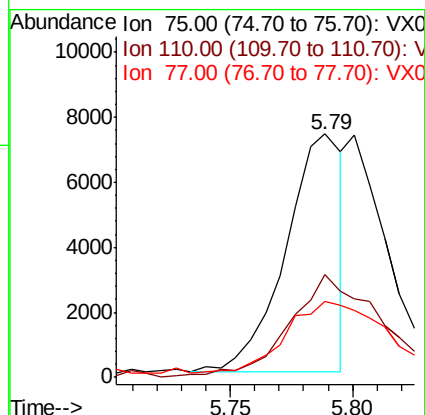
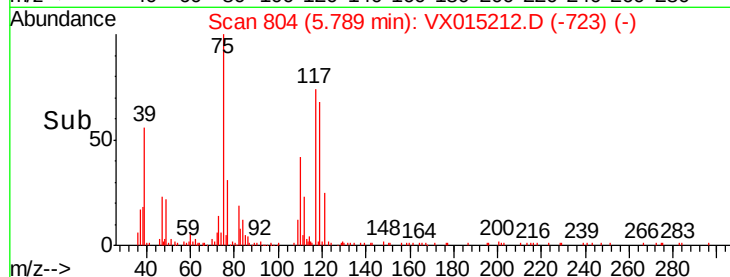
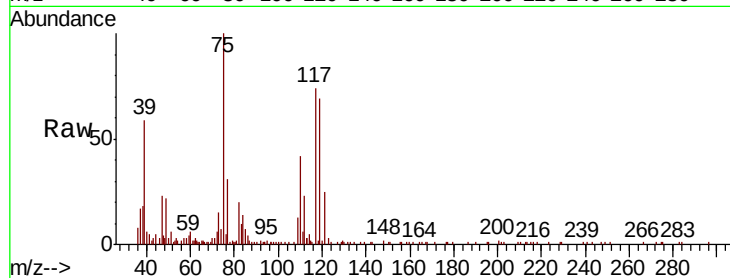
Tot Ion: 75 Resp: 11868

Ion Ratio Lower Upper

75 100

110 71.0 0.0 74.2

77 51.3 0.0 61.6



#30

2-Butanone

Concen: 24.611 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

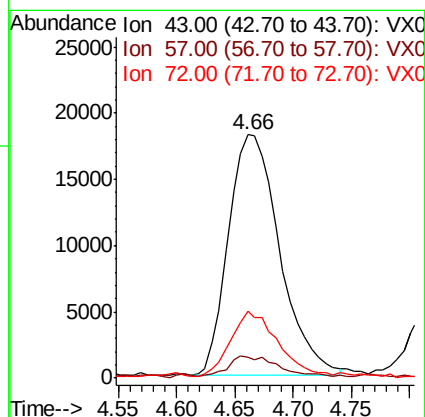
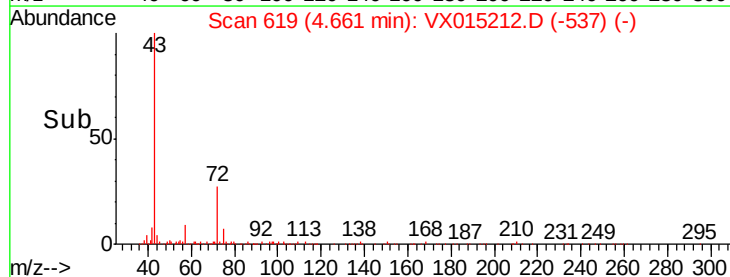
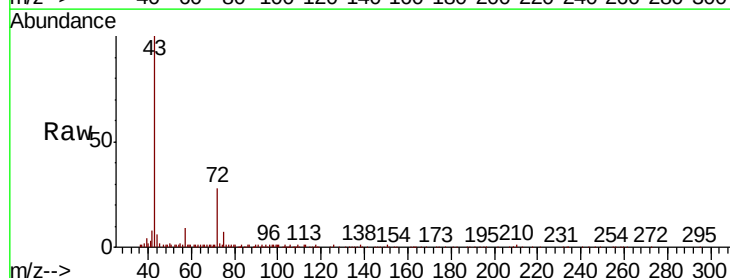
Tgt Ion: 43 Resp: 55492

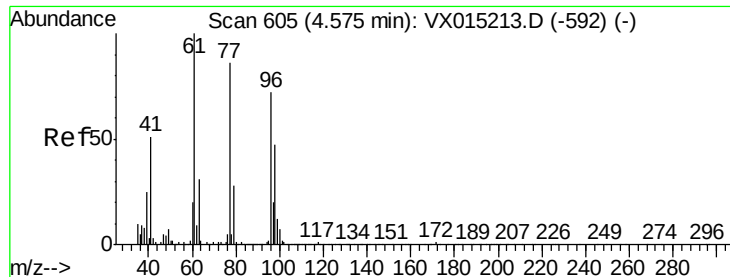
Ion Ratio Lower Upper

43 100

57 4.1 6.0 9.0#

72 25.0 20.2 30.4

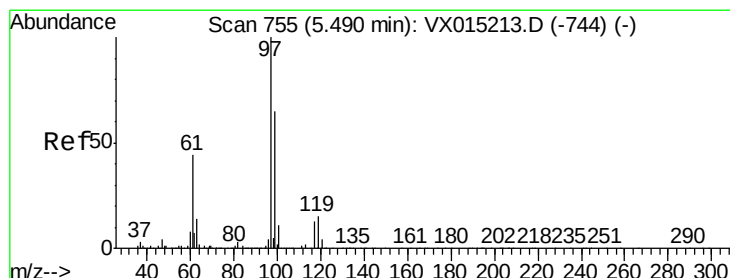
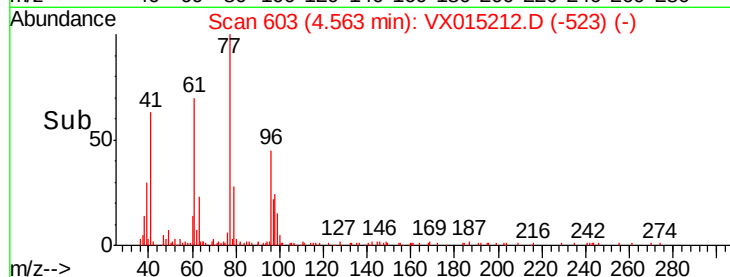
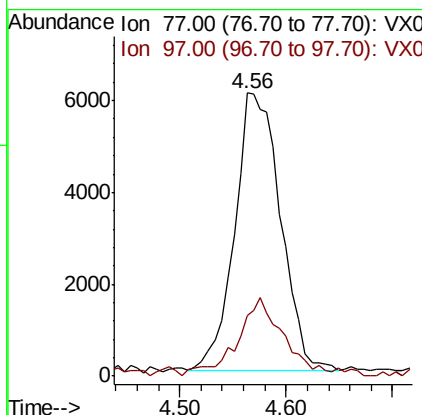
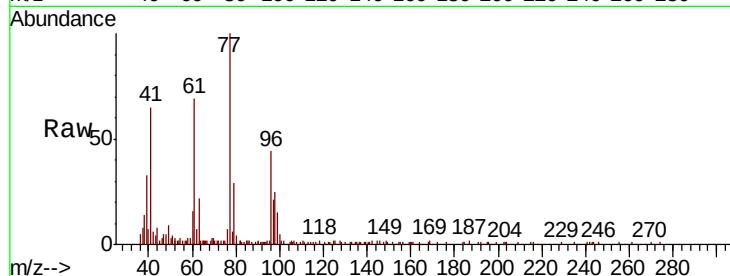




#31  
 2,2-Dichloropropane  
 Concen: 4.359 ug/l  
 RT: 4.56 min Scan# 603  
 Delta R.T. -0.01 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

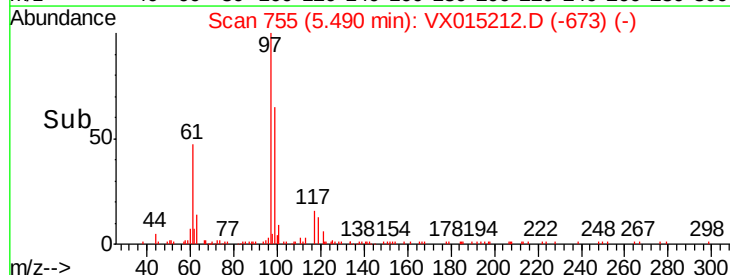
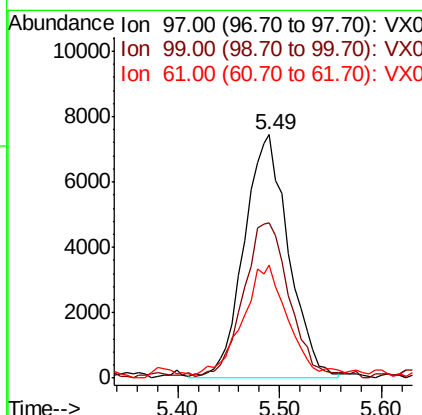
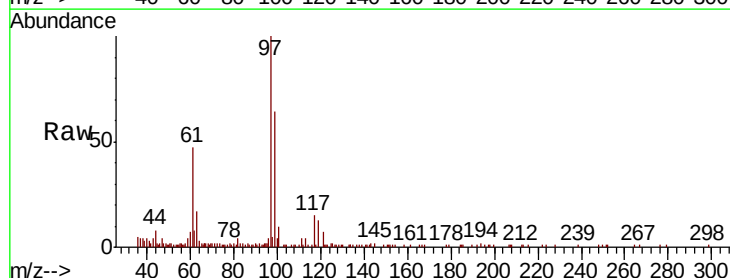
Instrument :  
 MSVOA\_X  
 ClientSampleId :

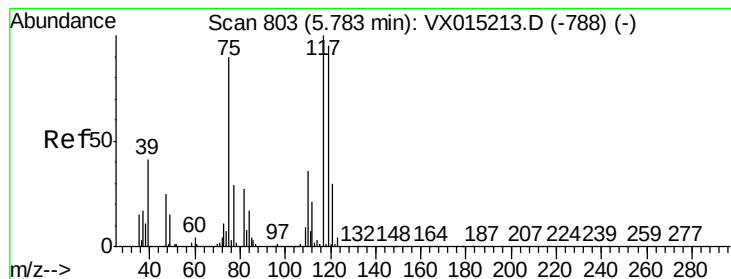
Tot Ion: 77 Resp: 18239  
 Ion Ratio Lower Upper  
 77 100  
 97 25.5 19.4 29.2



#32  
 1,1,1-Trichloroethane  
 Concen: 5.067 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

Tgt Ion: 97 Resp: 22613  
 Ion Ratio Lower Upper  
 97 100  
 99 64.9 51.8 77.6  
 61 46.7 36.1 54.1





#33

Carbon Tetrachloride

Concen: 4.871 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

ClientSampleId :

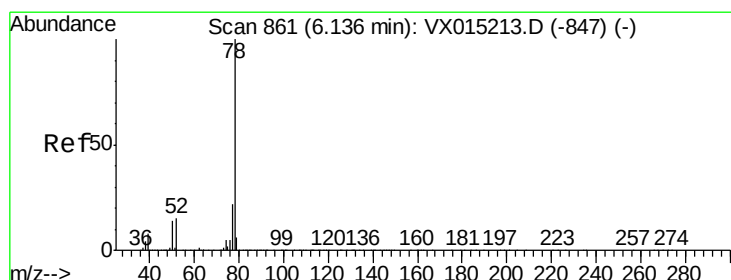
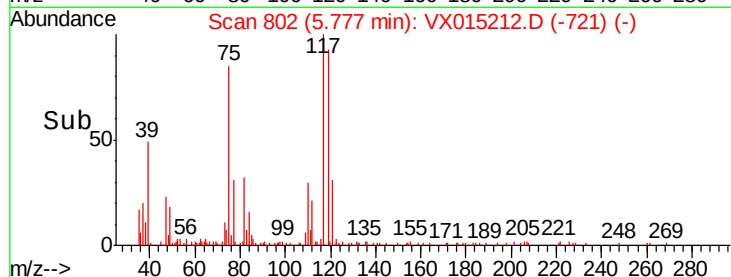
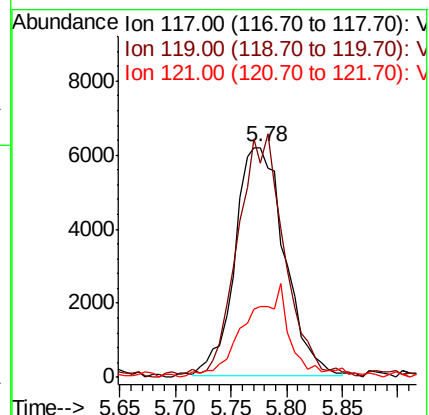
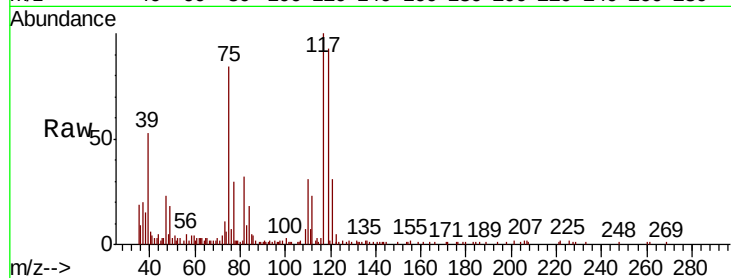
Tot Ion:117 Resp: 18986

Ion Ratio Lower Upper

117 100

119 91.6 76.2 114.2

121 27.4 24.2 36.4



#34

Benzene

Concen: 5.380 ug/l

RT: 6.13 min Scan# 860

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

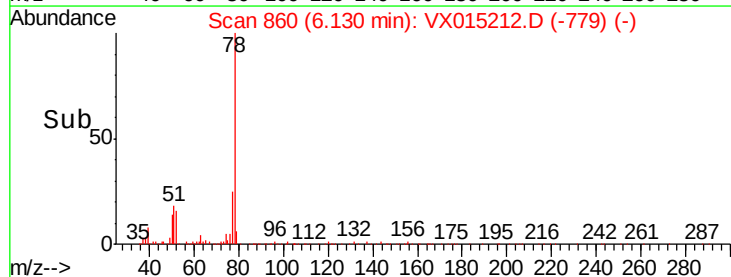
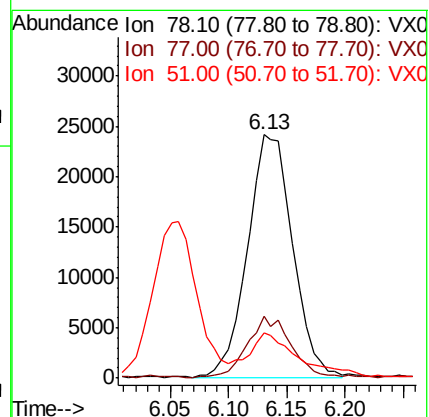
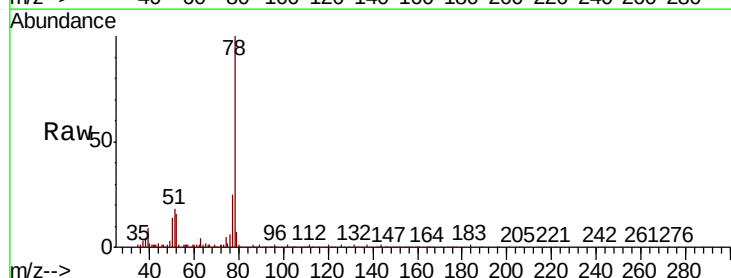
Tgt Ion: 78 Resp: 64748

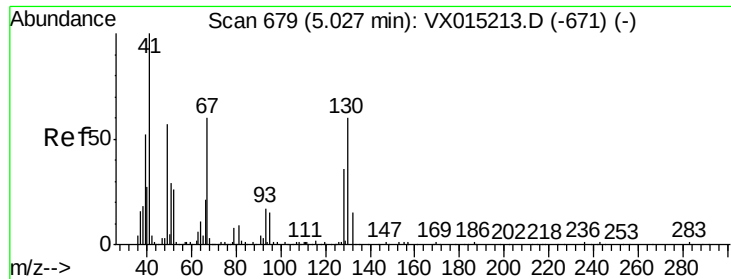
Ion Ratio Lower Upper

78 100

77 25.1 17.9 26.9

51 15.3 13.4 20.0

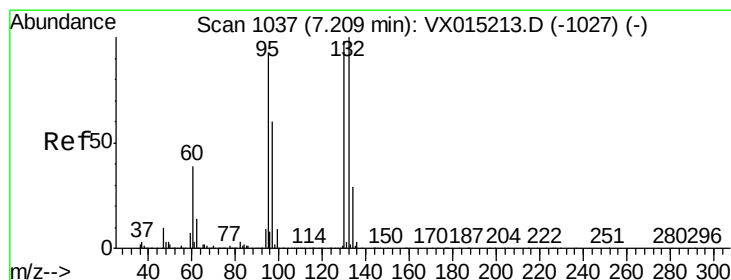
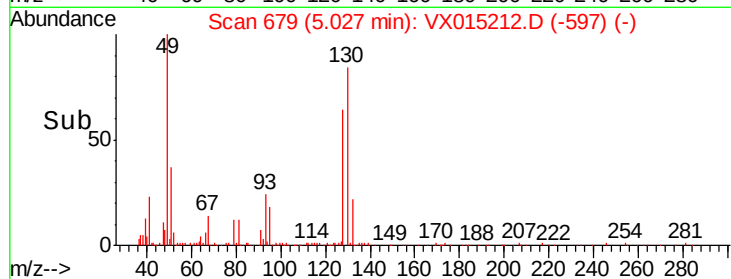
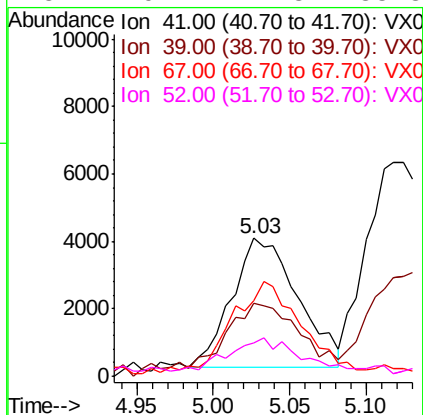
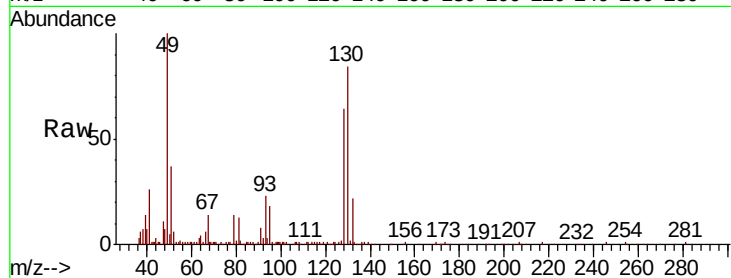




#35  
Methacrylonitrile  
Concen: 4.872 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

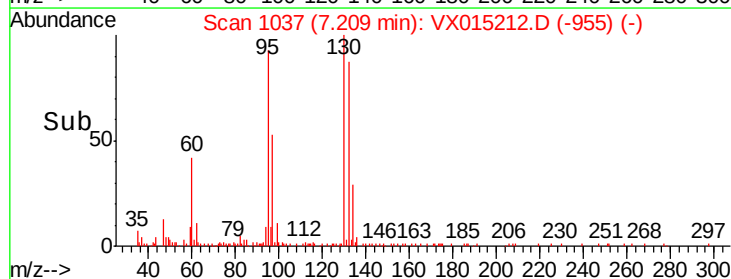
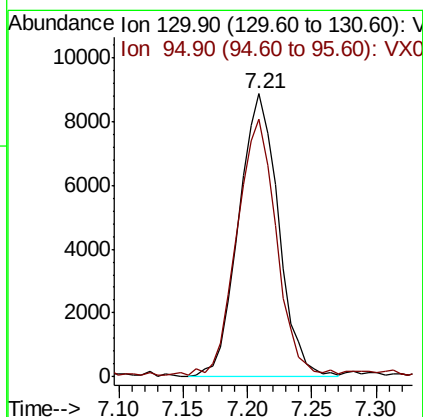
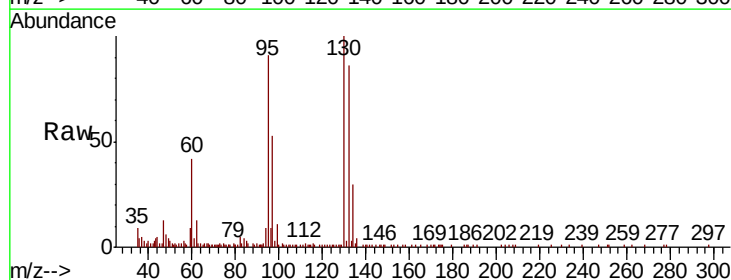
Instrument :  
MSVOA\_X  
ClientSampleId :

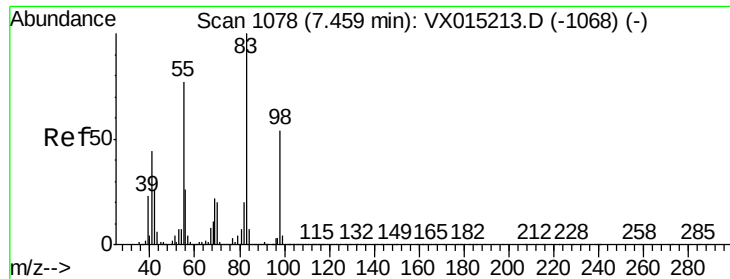
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 11451 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 50.5  | 25.9  | 77.6  |
| 67       | 48.9  | 29.4  | 88.2  |
| 52       | 19.2  | 12.8  | 38.3  |



#37  
Trichloroethene  
Concen: 5.617 ug/l  
RT: 7.21 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 19001 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 91.0  | 75.4  | 113.2 |

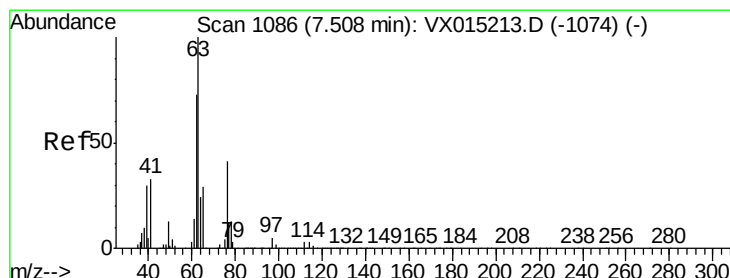
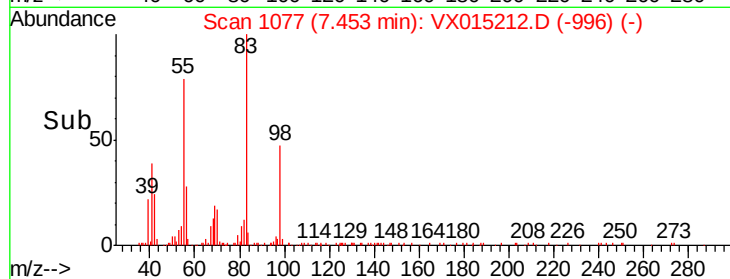
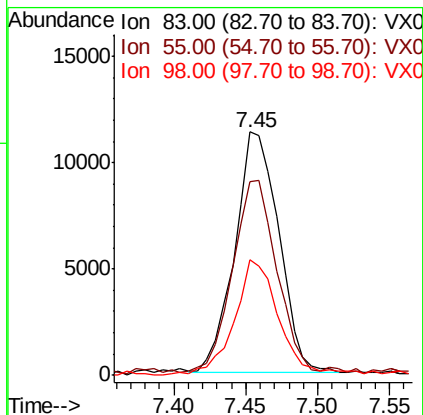
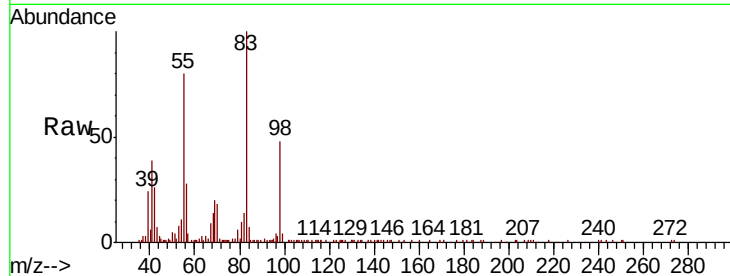




#38  
Methylvlcyclohexane  
Concen: 4.947 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

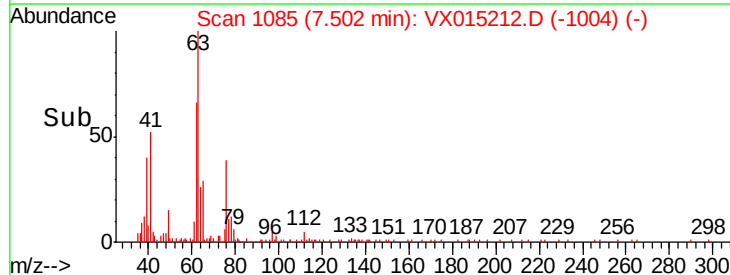
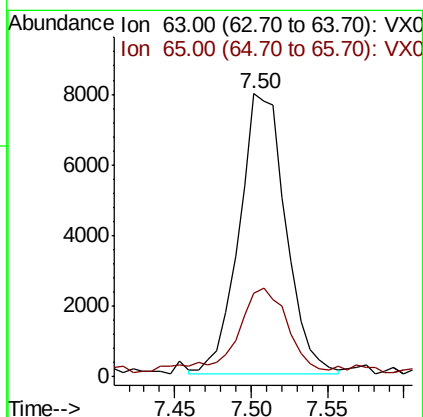
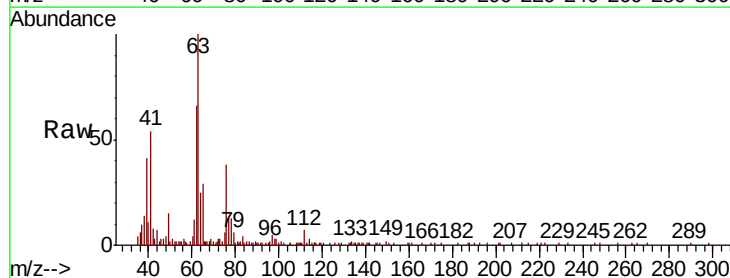
Instrument :  
MSVOA\_X  
ClientSampleId :

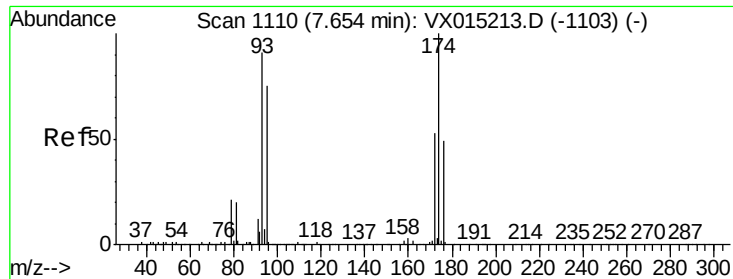
Tot Ion: 83 Resp: 24093  
Ion Ratio Lower Upper  
83 100  
55 82.7 39.9 119.6  
98 47.3 24.8 74.3



#39  
1,2-Dichloropropane  
Concen: 5.371 ug/l  
RT: 7.50 min Scan# 1085  
Delta R.T. -0.01 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

Tgt Ion: 63 Resp: 16735  
Ion Ratio Lower Upper  
63 100  
65 26.1 23.8 35.8





#40

Dibromomethane

Concen: 5.563 ug/l

RT: 7.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

ClientSampleId :

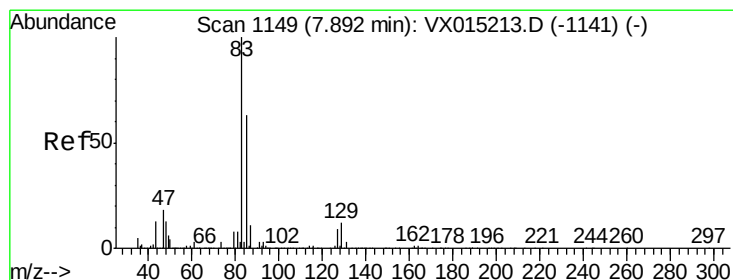
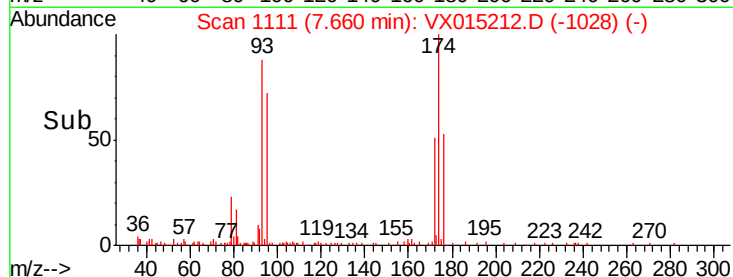
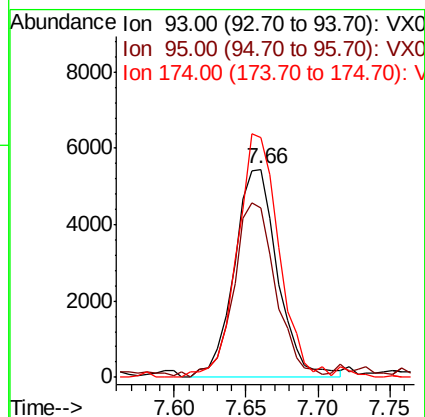
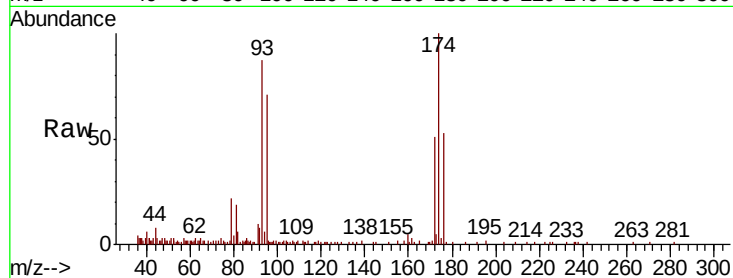
Tot Ion: 93 Resp: 11451

Ion Ratio Lower Upper

93 100

95 81.0 0.0 159.6

174 111.0 0.0 225.2



#41

Bromodichloromethane

Concen: 4.885 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

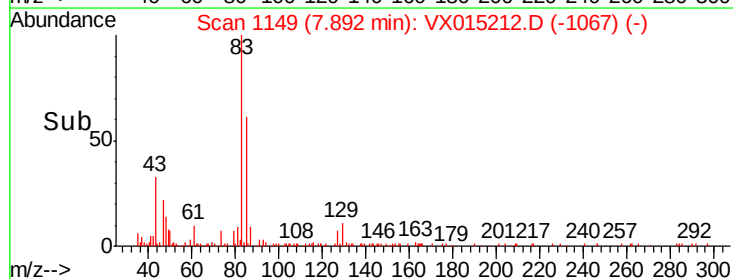
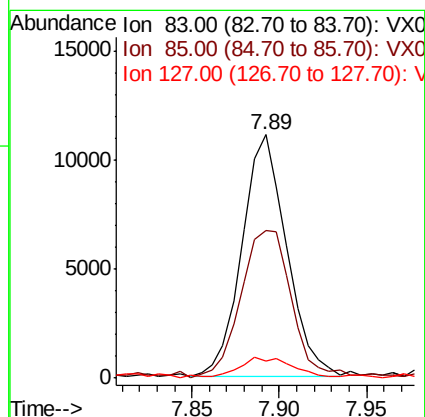
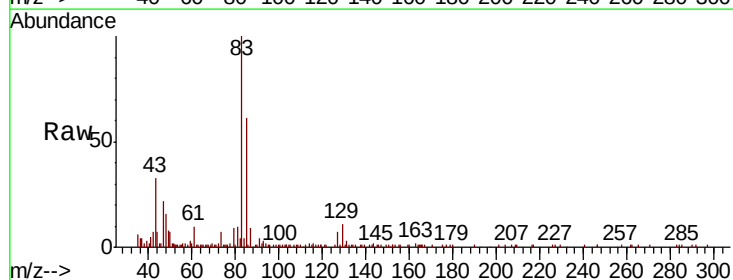
Tgt Ion: 83 Resp: 19677

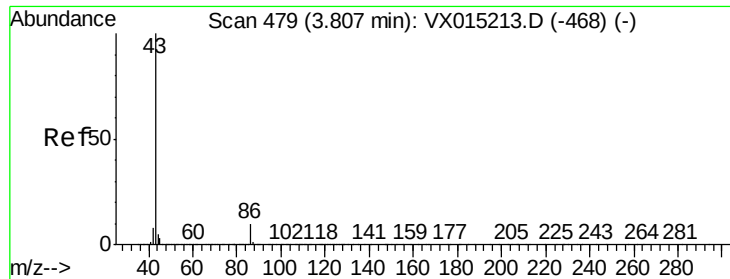
Ion Ratio Lower Upper

83 100

85 61.6 50.0 75.0

127 6.5 7.1 10.7#





#42

Vinyl Acetate

Concen: 25.553 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

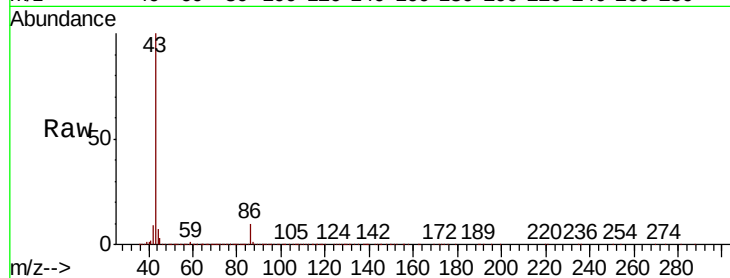
ClientSampleId :

Tot Ion: 43 Resp: 207924

Ion Ratio Lower Upper

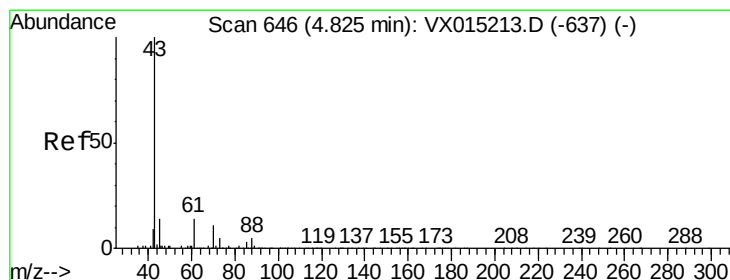
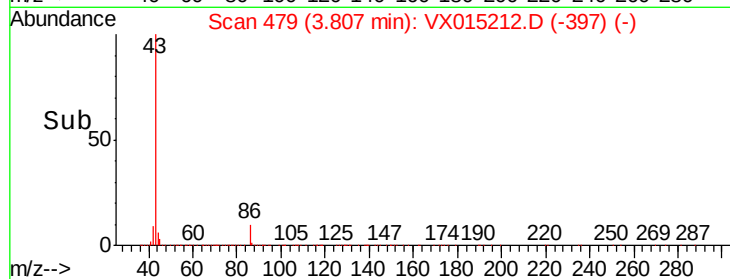
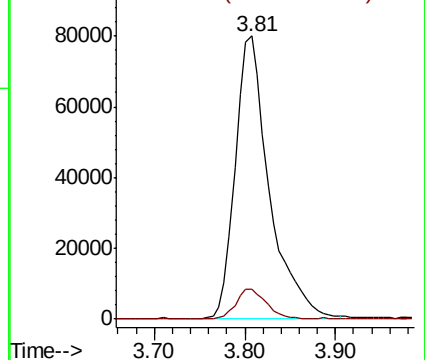
43 100

86 9.7 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#43

Ethyl Acetate

Concen: 5.316 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.01 min

Lab File: VX015212.D

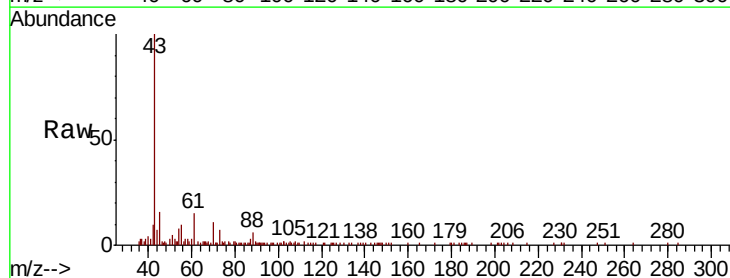
Acq: 11 Mar 2020 19:56

Tgt Ion: 43 Resp: 22334

Ion Ratio Lower Upper

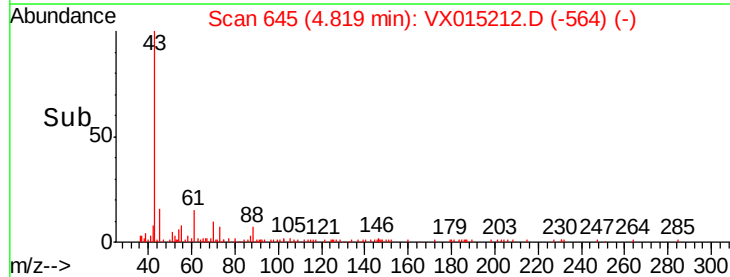
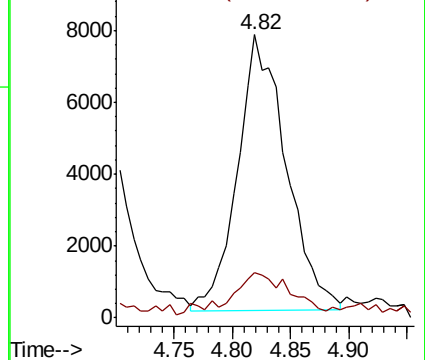
43 100

45 8.0 0.1 0.1#

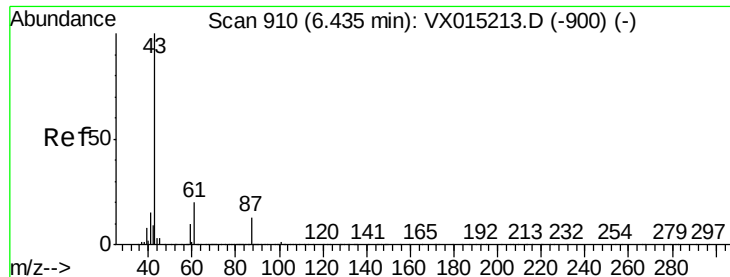


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0







#44

Isopropyl Acetate

Concen: 5.326 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

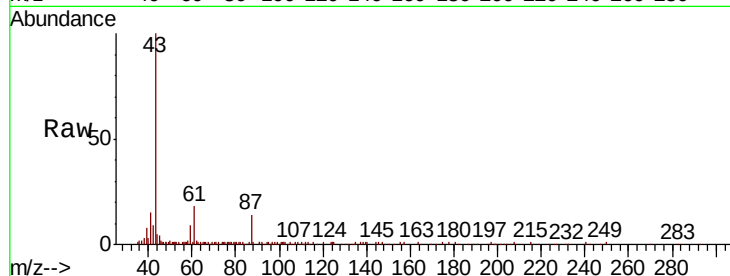
ClientSampleId :

Tot Ion: 43 Resp: 37033

Ion Ratio Lower Upper

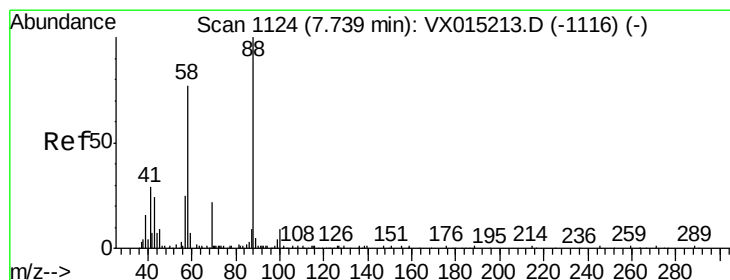
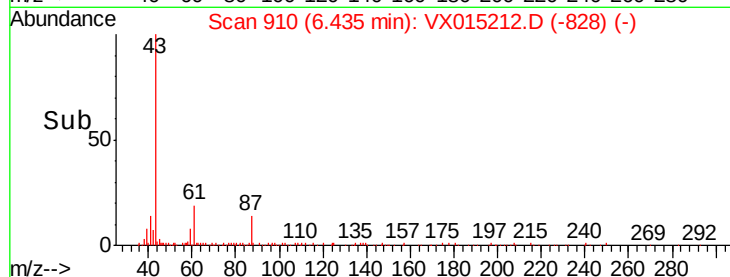
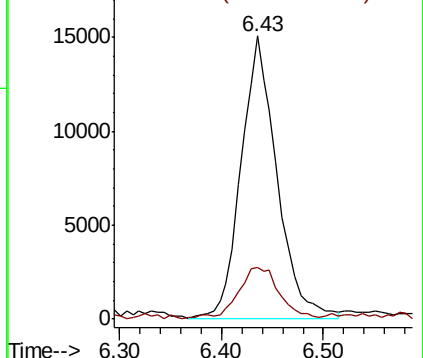
43 100

61 18.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#45

1,4-Dioxane

Concen: 110.087 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

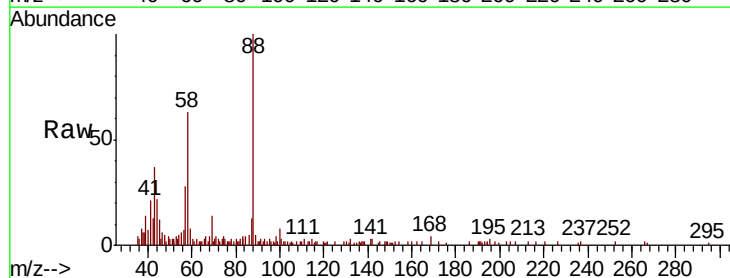
Tgt Ion: 88 Resp: 7289

Ion Ratio Lower Upper

88 100

43 38.7 24.8 37.2#

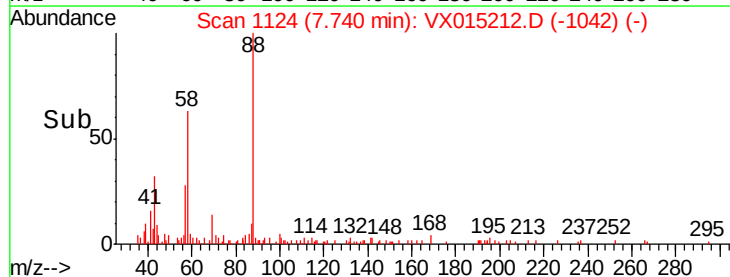
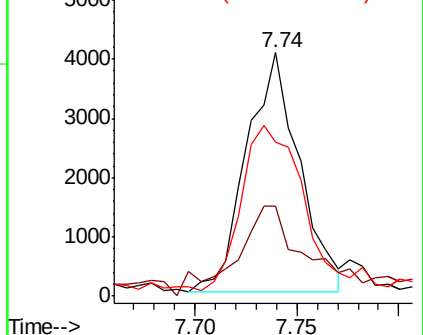
58 79.7 59.7 89.5

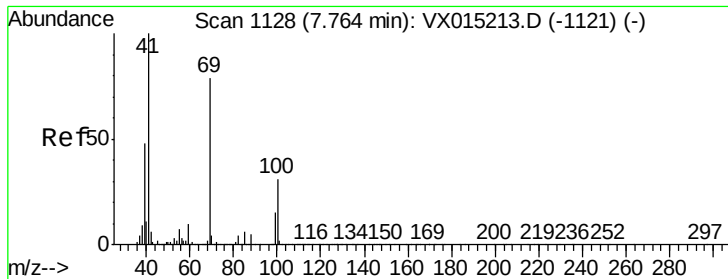


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

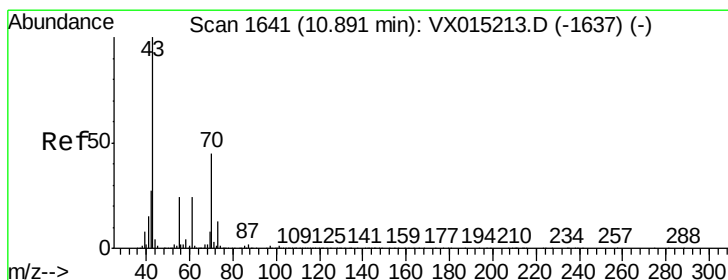
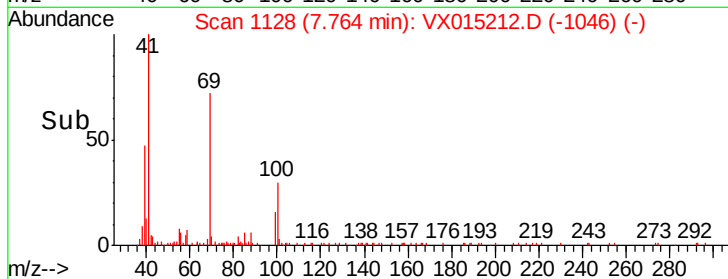
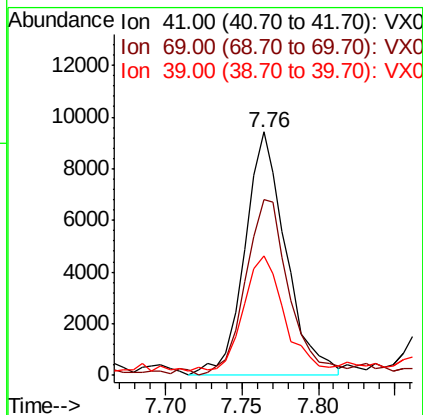
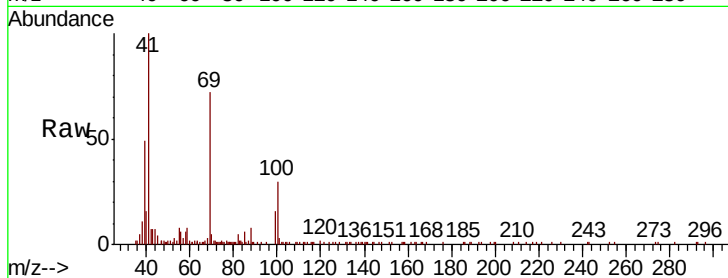




#46  
Methyl methacrylate  
Concen: 5.095 ug/l  
RT: 7.76 min Scan# 1128  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

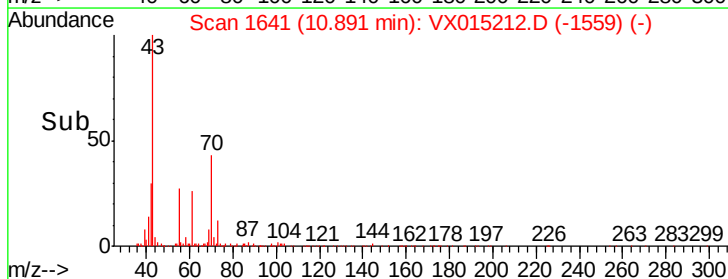
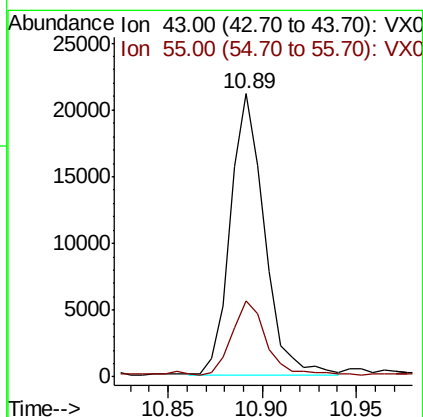
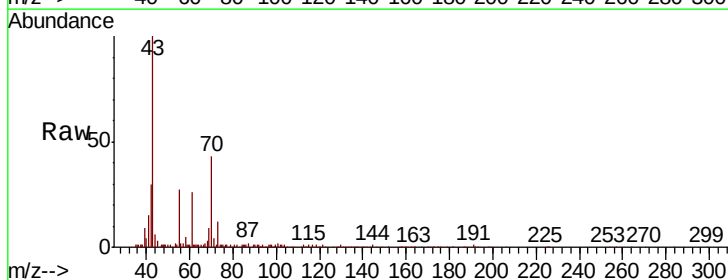
Instrument :  
MSVOA\_X  
ClientSampleId :

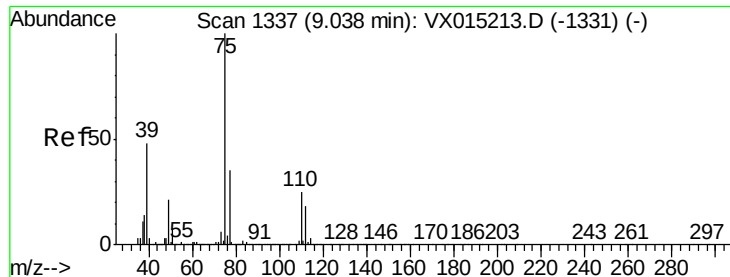
Tot Ion: 41 Resp: 17579  
Ion Ratio Lower Upper  
41 100  
69 69.8 39.6 118.7  
39 47.1 23.5 70.6



#47  
n-amyl Acetate  
Concen: 4.378 ug/l  
RT: 10.89 min Scan# 1641  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

Tgt Ion: 43 Resp: 26306  
Ion Ratio Lower Upper  
43 100  
55 25.8 20.2 30.2

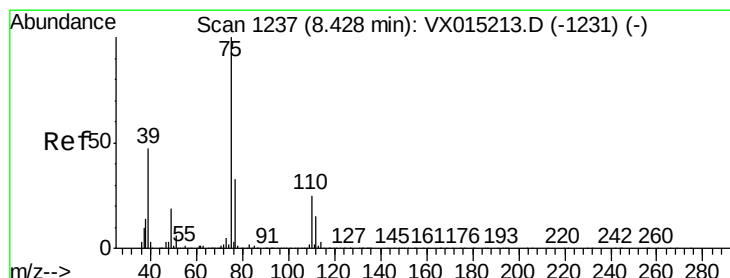
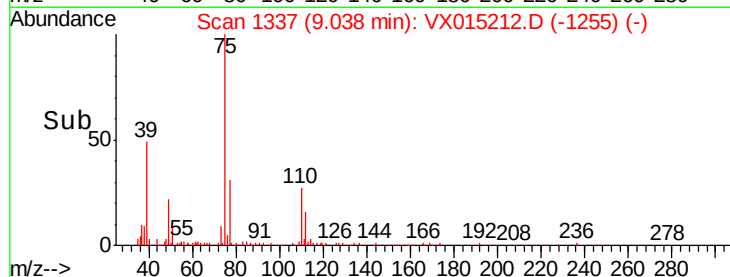
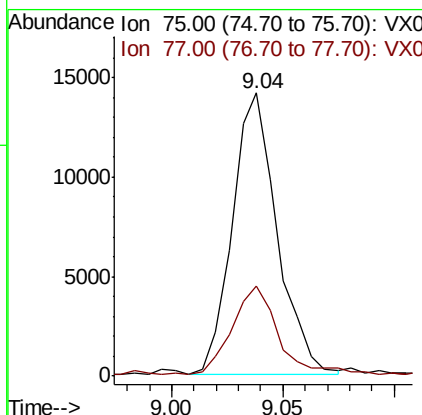
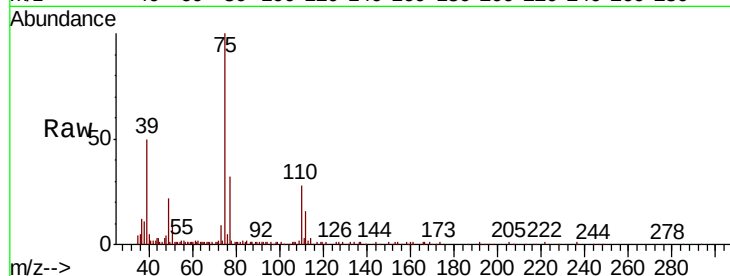




#48  
t-1,3-Dichloropropene  
Concen: 4.421 ug/l  
RT: 9.04 min Scan# 1337  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

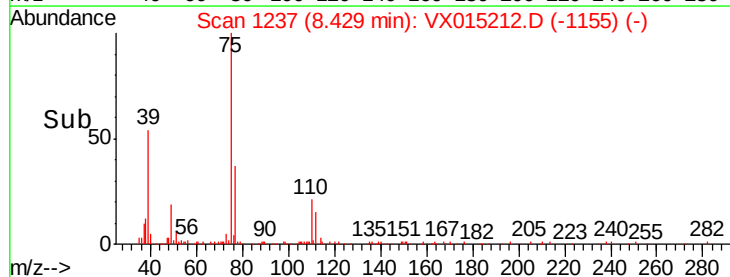
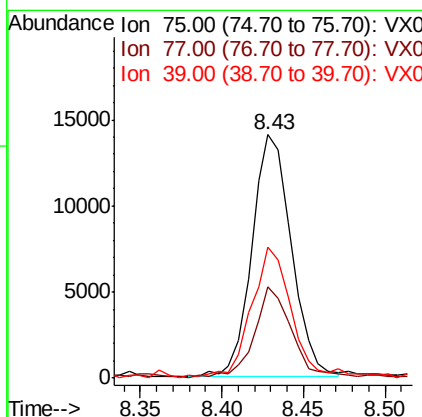
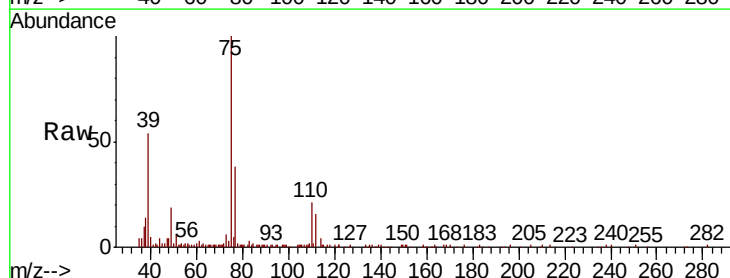
Instrument :  
MSVOA\_X  
ClientSampleId :

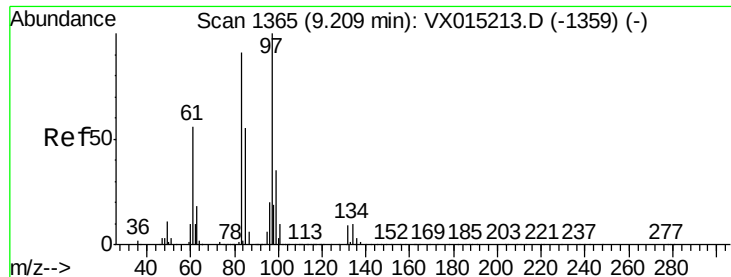
Tot Ion: 75 Resp: 19729  
Ion Ratio Lower Upper  
75 100  
77 31.9 27.7 41.5



#49  
cis-1,3-Dichloropropene  
Concen: 4.775 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

Tgt Ion: 75 Resp: 23590  
Ion Ratio Lower Upper  
75 100  
77 37.1 26.5 39.7  
39 53.1 37.4 56.2

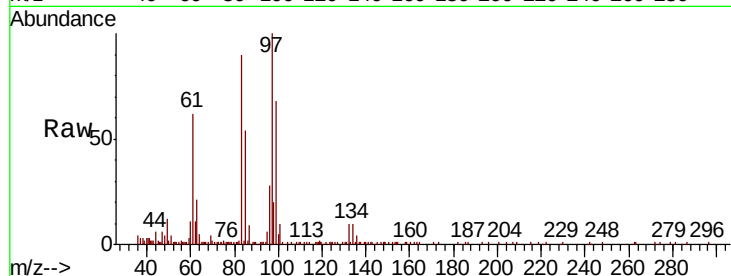




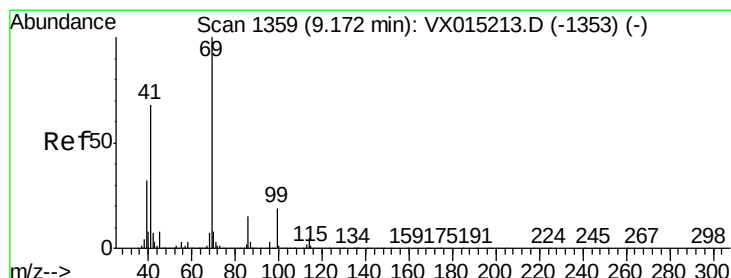
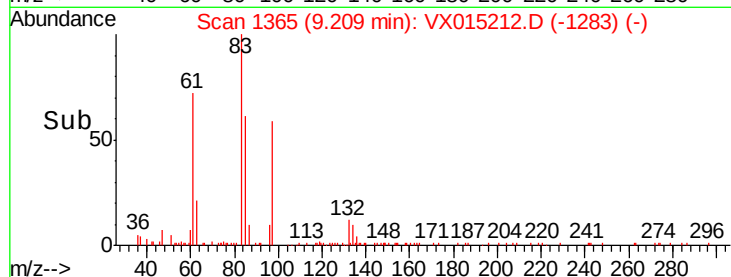
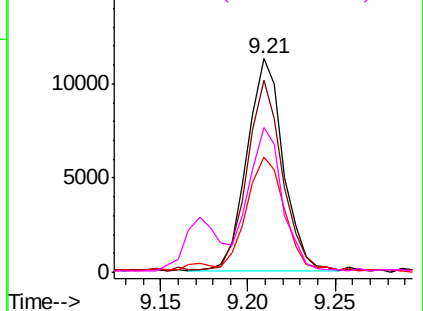
#50  
1,1,2-Trichloroethane  
Concen: 5.325 ug/l  
RT: 9.21 min Scan# 1365  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

Instrument :  
MSVOA\_X  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 16319 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 89.0  | 72.4  | 108.6 |
| 85       | 53.1  | 46.6  | 69.8  |
| 99       | 67.0  | 51.9  | 77.9  |

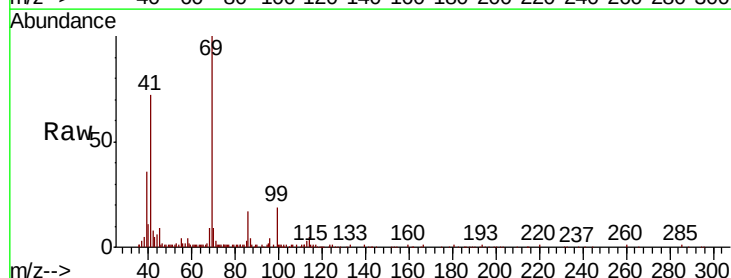


Abundance Ion 97.00 (96.70 to 97.70): VX0  
Ion 82.95 (82.65 to 83.65): VX0  
Ion 84.95 (84.65 to 85.65): VX0  
Ion 98.95 (98.65 to 99.65): VX0

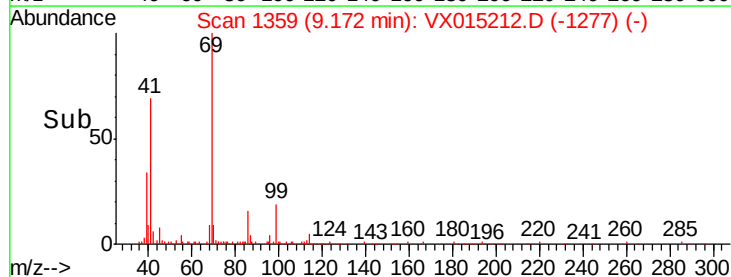
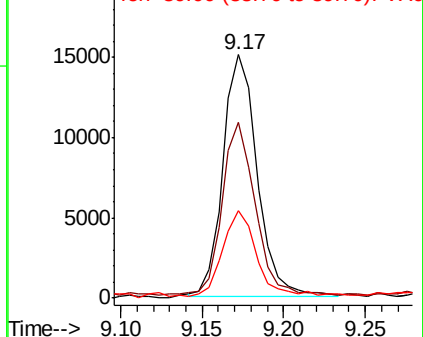


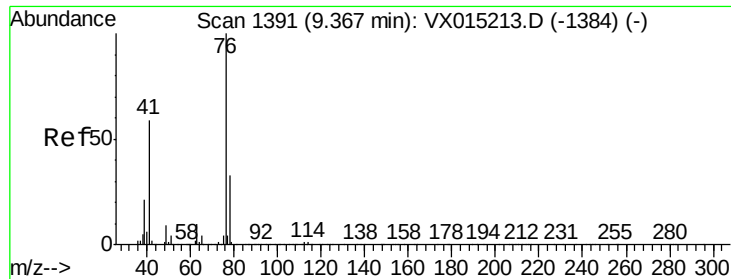
#51  
Ethyl methacrylate  
Concen: 4.640 ug/l  
RT: 9.17 min Scan# 1359  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 21932 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 71.8  | 33.8  | 101.3 |
| 39       | 35.7  | 16.1  | 48.2  |



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: 5.310 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

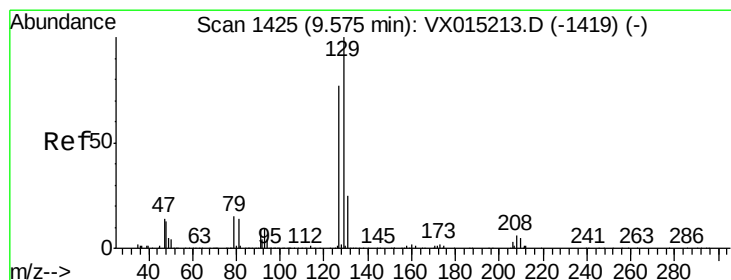
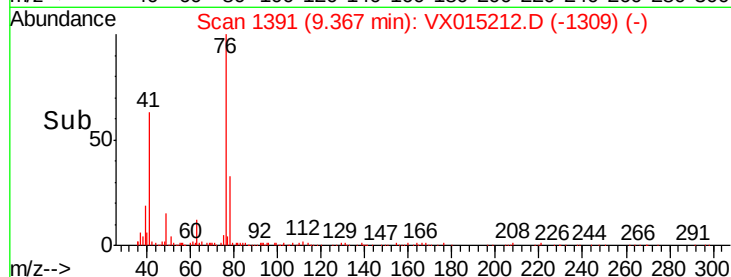
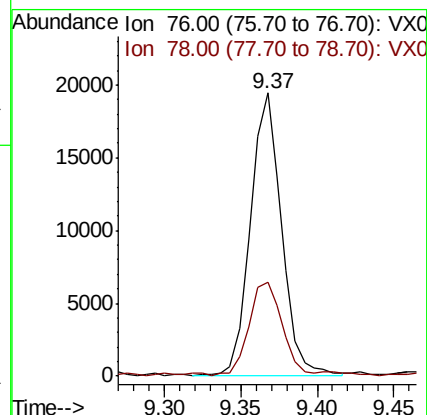
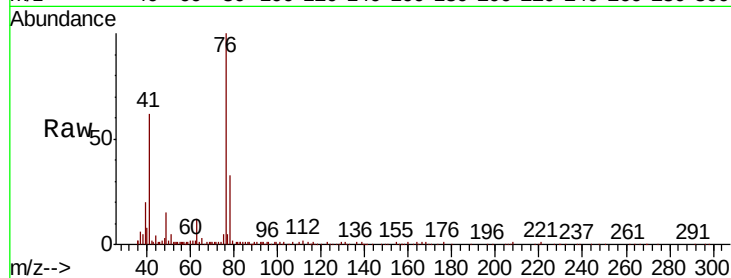
ClientSampleId :

Tot Ion: 76 Resp: 27550

Ion Ratio Lower Upper

76 100

78 33.5 0.0 65.0



#53

Dibromochloromethane

Concen: 4.895 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX015212.D

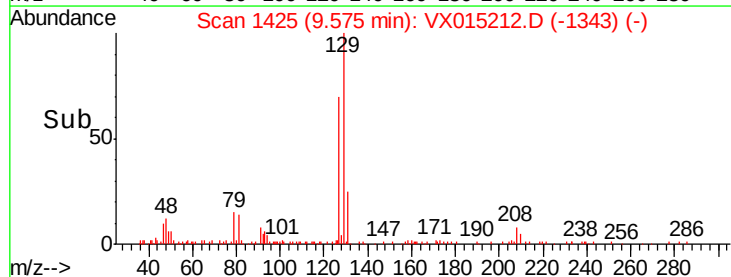
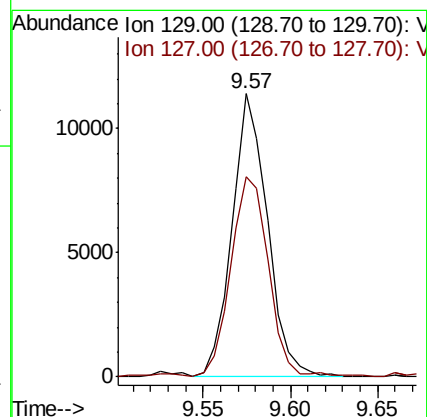
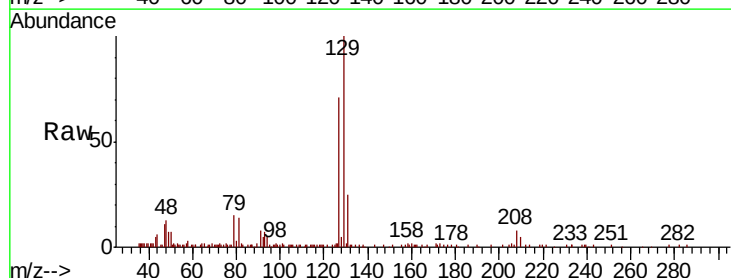
Acq: 11 Mar 2020 19:56

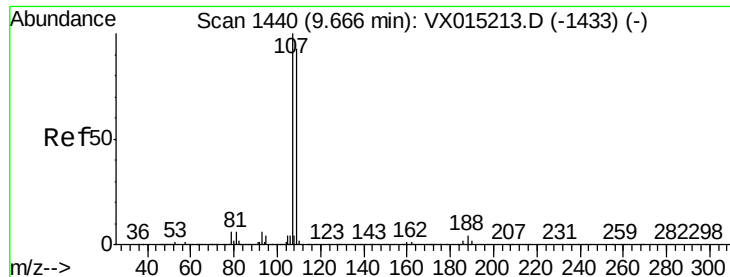
Tgt Ion: 129 Resp: 16068

Ion Ratio Lower Upper

129 100

127 74.5 38.6 115.8

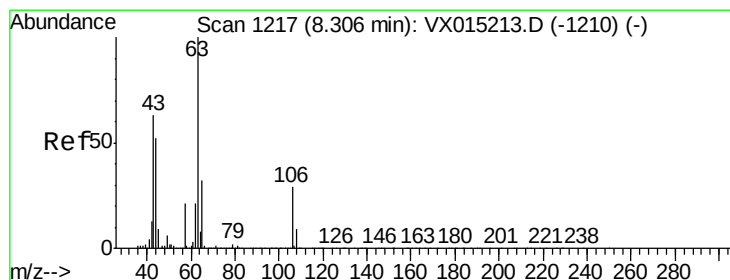
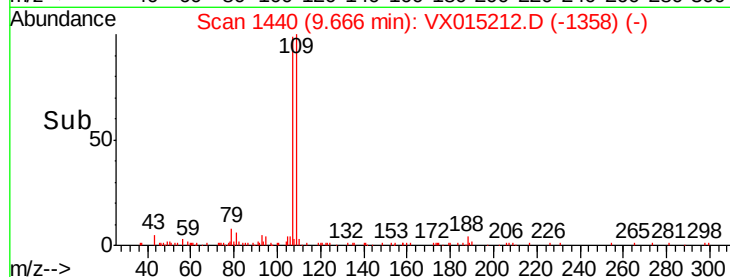
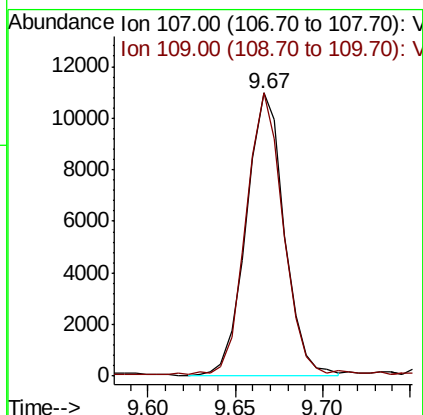
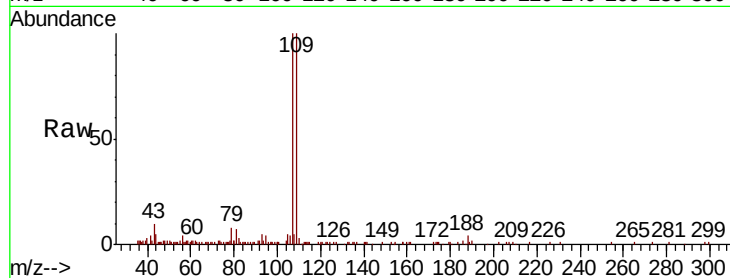




#54  
 1,2-Dibromoethane  
 Concen: 5.129 ug/l  
 RT: 9.67 min Scan# 1440  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

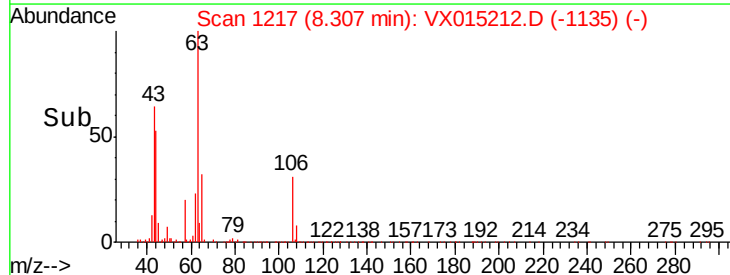
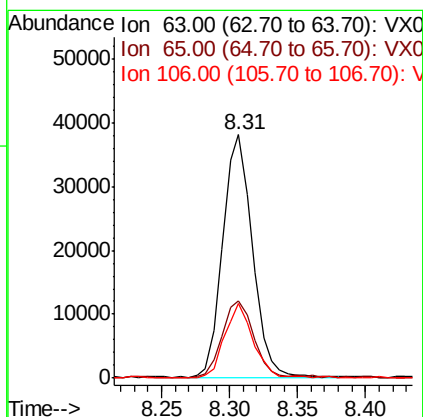
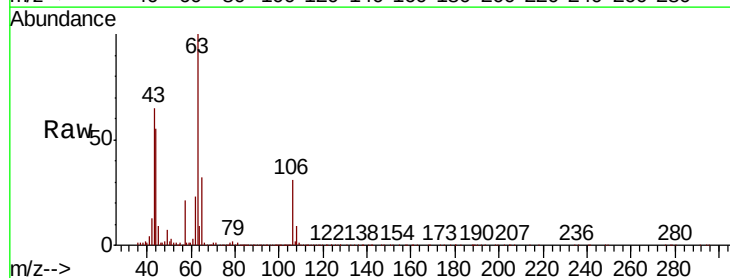
Instrument :  
 MSVOA\_X  
 ClientSampleId :

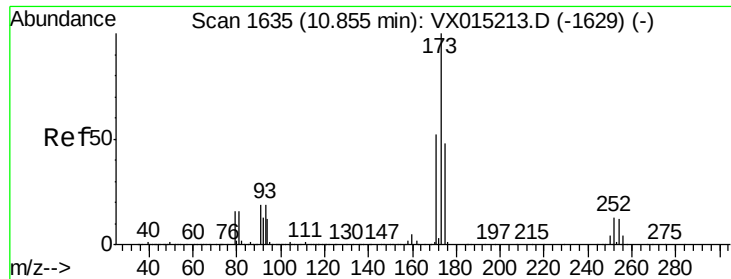
Tot Ion: 107 Resp: 16656  
 Ion Ratio Lower Upper  
 107 100  
 109 97.5 75.4 113.2



#55  
 2-Chloroethyl vinyl ether  
 Concen: 23.205 ug/l  
 RT: 8.31 min Scan# 1217  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

Tgt Ion: 63 Resp: 58021  
 Ion Ratio Lower Upper  
 63 100  
 65 32.6 25.9 38.9  
 106 29.6 23.1 34.7





#56

Bromoform

Concen: 4.511 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

ClientSampled :

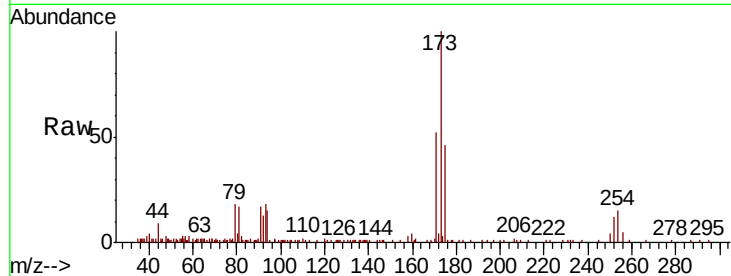
Tot Ion:173 Resp: 11534

Ion Ratio Lower Upper

173 100

175 54.0 40.0 60.0

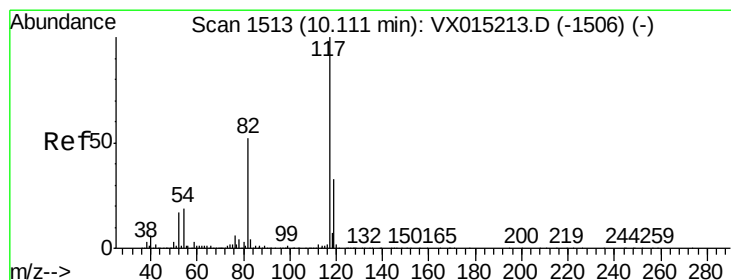
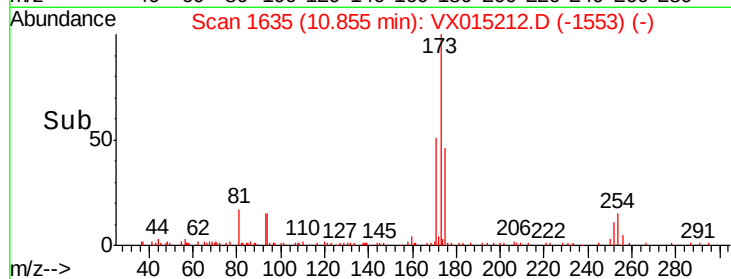
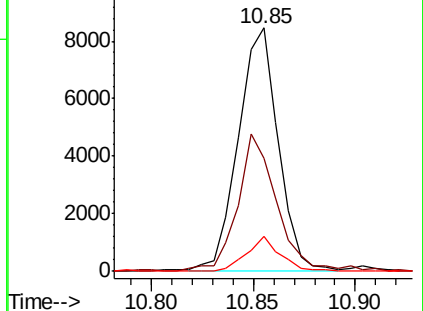
254 12.0 9.1 13.7



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

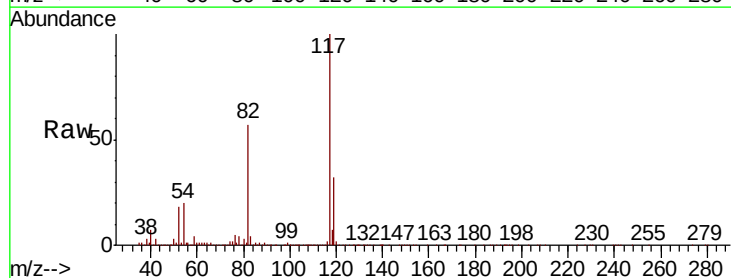
Tgt Ion:117 Resp: 255933

Ion Ratio Lower Upper

117 100

82 55.2 43.6 65.4

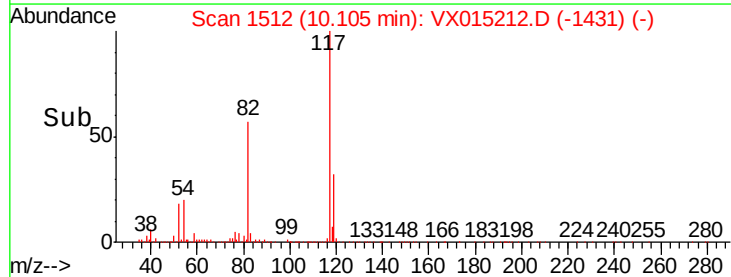
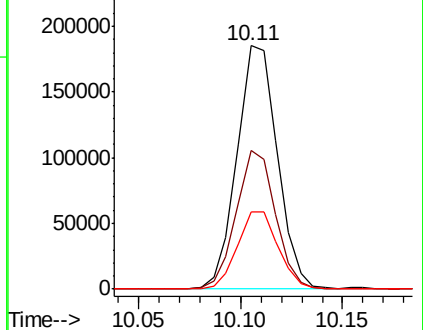
119 32.3 25.9 38.9

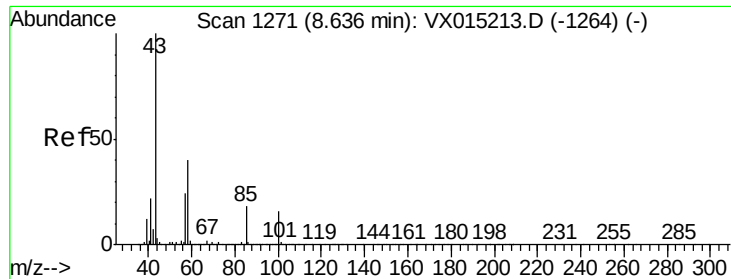


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

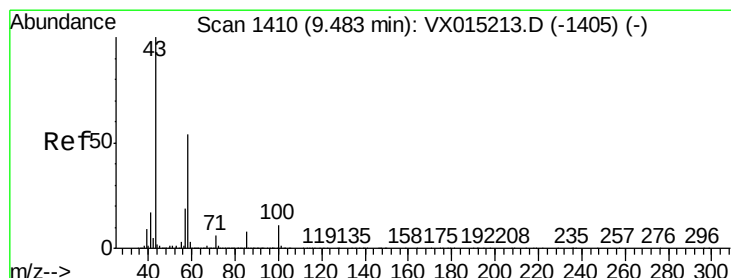
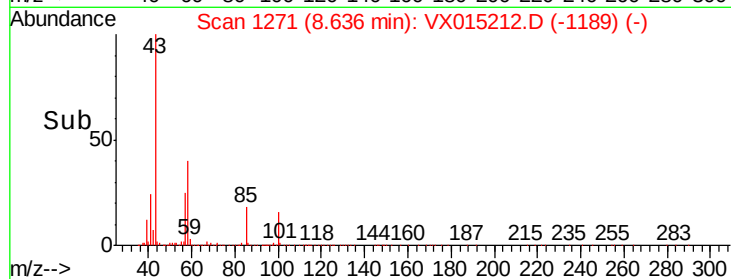
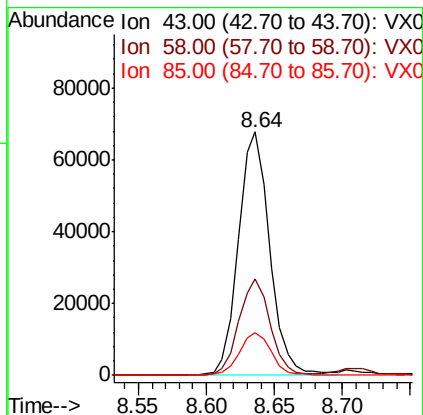
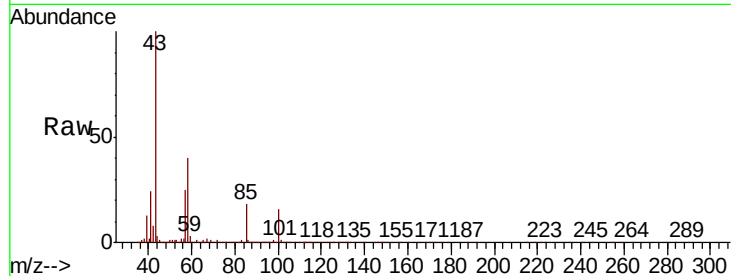




#58  
 4-Methyl-2-Pentanone  
 Concen: 25.374 ug/l  
 RT: 8.64 min Scan# 1271  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

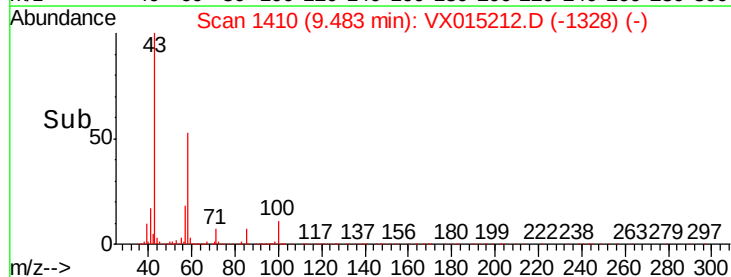
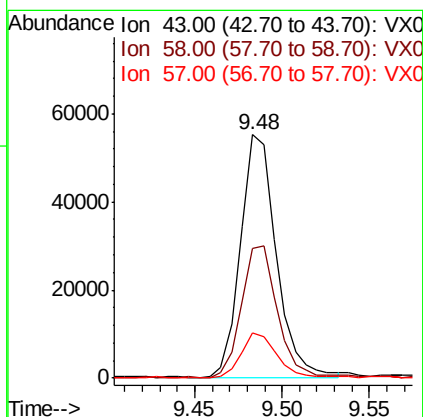
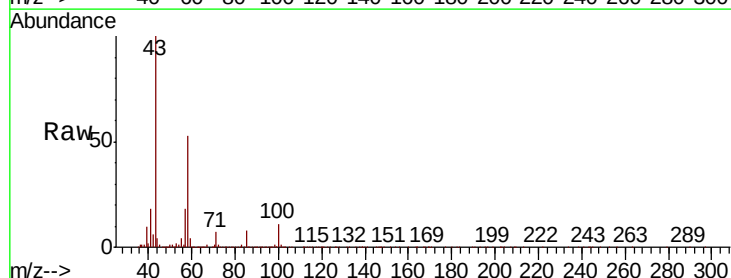
Instrument :  
 MSVOA\_X  
 ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 108552 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 39.8  | 31.8  | 47.8   |
| 85       | 17.5  | 13.8  | 20.6   |

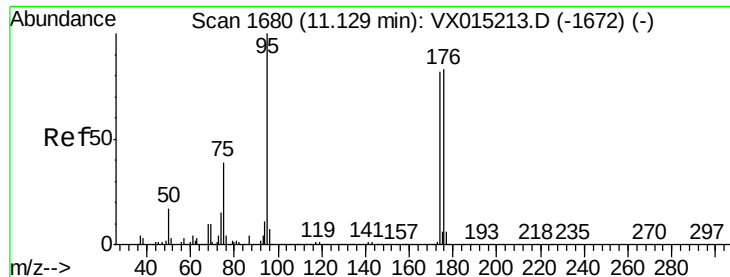


#59  
 2-Hexanone  
 Concen: 24.109 ug/l  
 RT: 9.48 min Scan# 1410  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 79418 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 53.1  | 44.2  | 66.4  |
| 57       | 17.7  | 15.0  | 22.4  |



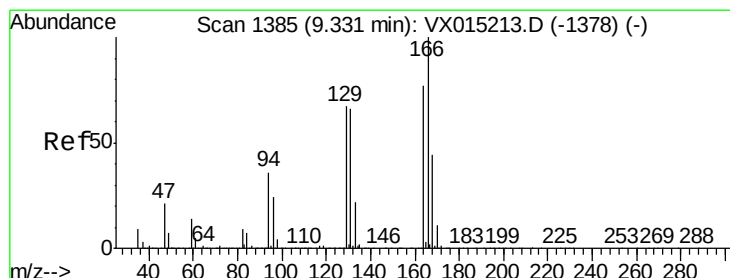
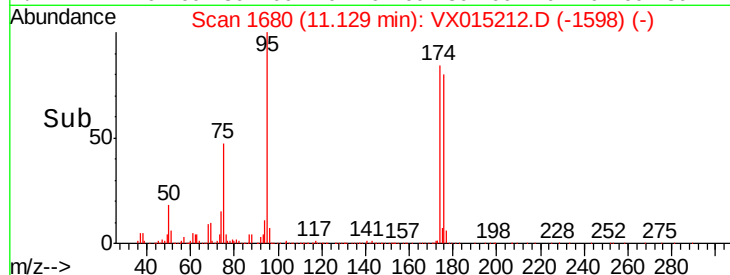
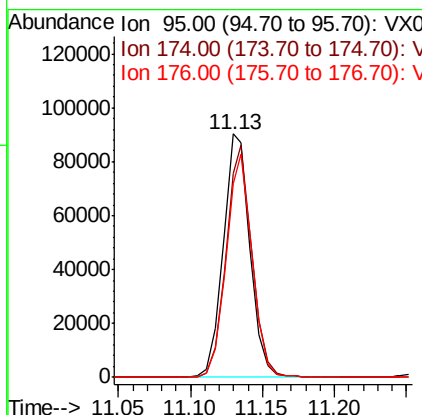
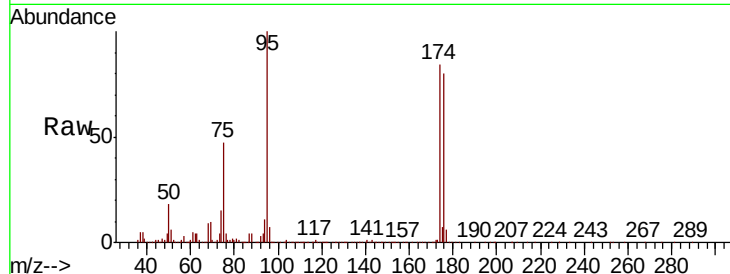




#60  
4-Bromofluorobenzene  
Concen: 29.648 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

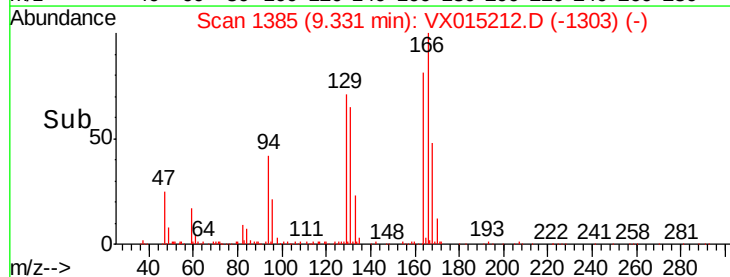
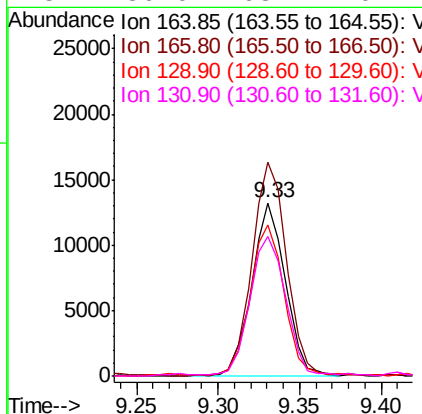
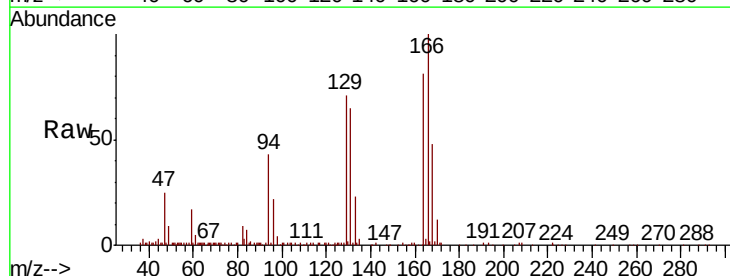
Instrument :  
MSVOA\_X  
ClientSampleId :

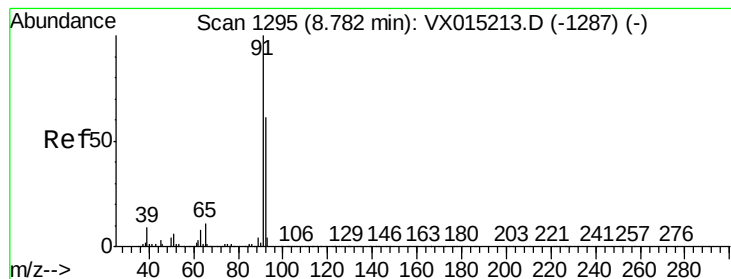
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 91.8  | 71.9  | 107.9 |
| 176     | 88.6  | 71.1  | 106.7 |



#61  
Tetrachloroethene  
Concen: 5.463 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 123.3 | 103.4 | 155.2 |
| 129     | 87.0  | 69.1  | 103.7 |
| 131     | 80.0  | 68.1  | 102.1 |





#62

Toluene

Concen: 5.313 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

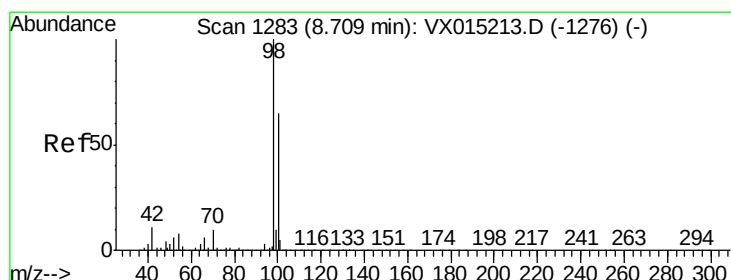
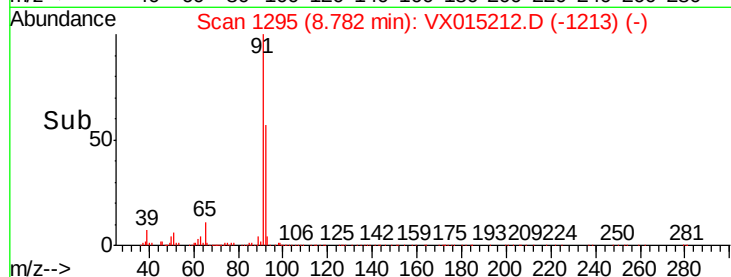
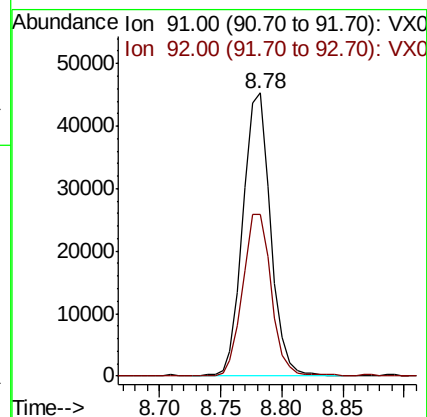
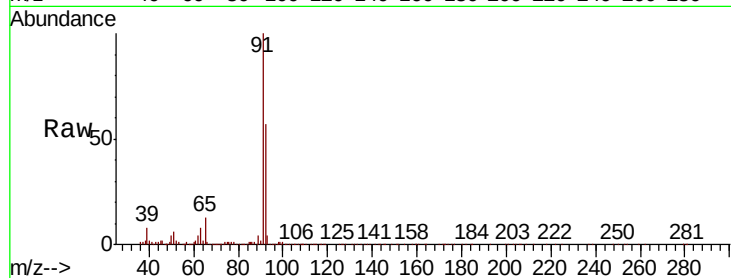
ClientSampleId :

Tot Ion: 91 Resp: 70299

Ion Ratio Lower Upper

91 100

92 58.9 46.9 70.3



#63

Toluene-d8

Concen: 30.790 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015212.D

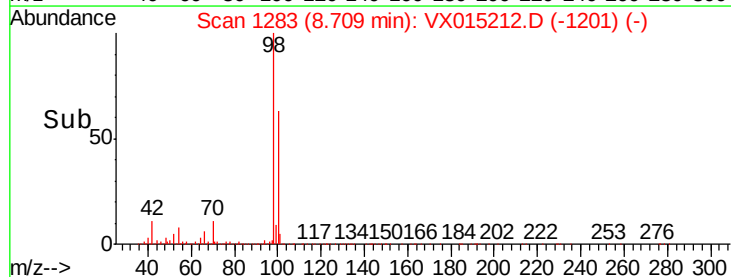
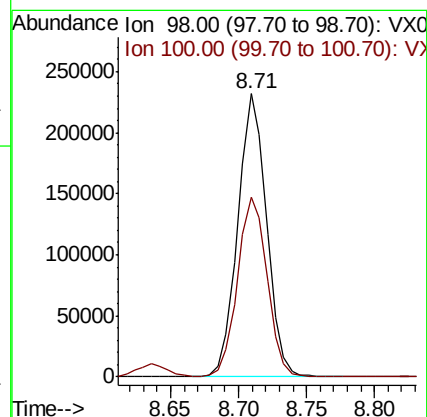
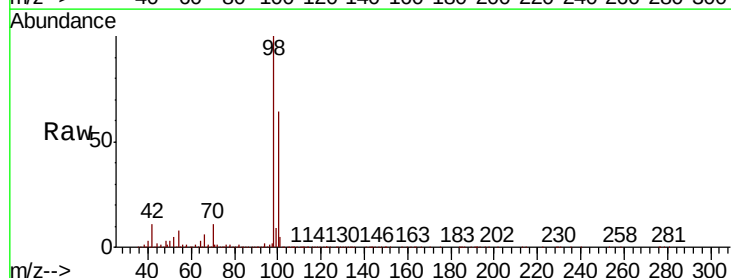
Acq: 11 Mar 2020 19:56

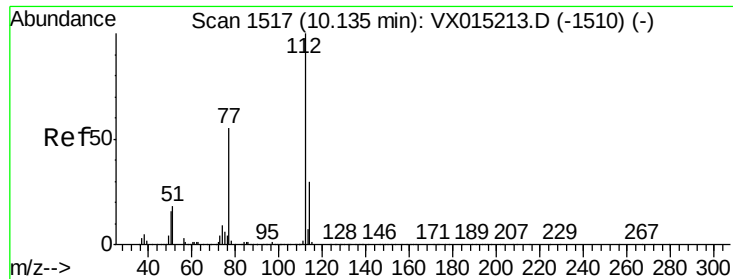
Tgt Ion: 98 Resp: 342618

Ion Ratio Lower Upper

98 100

100 65.0 53.3 79.9





#64

Chlorobenzene

Concen: 5.325 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

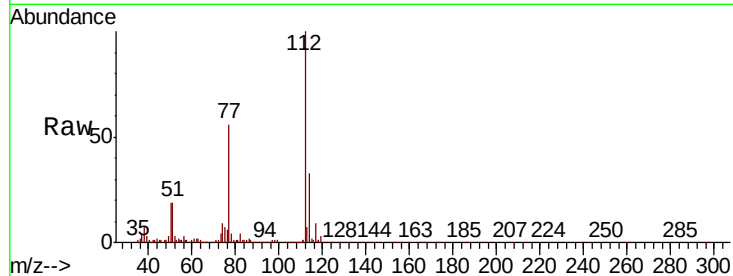
ClientSampleId :

Tot Ion:112 Resp: 44935

Ion Ratio Lower Upper

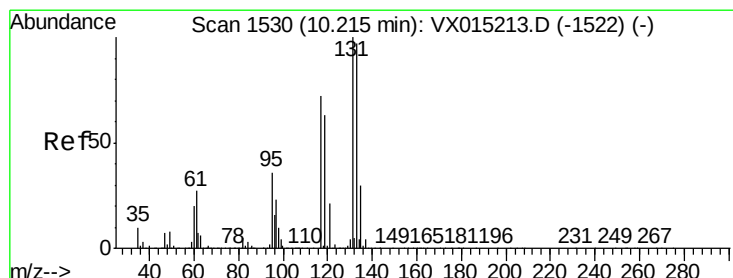
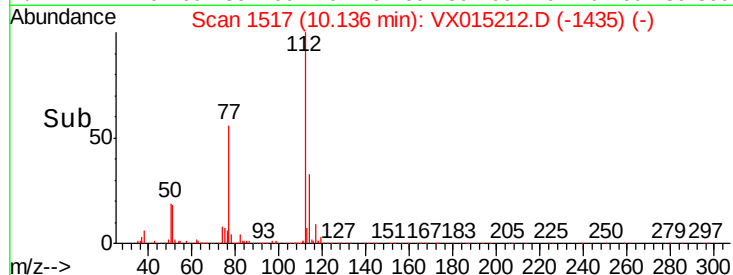
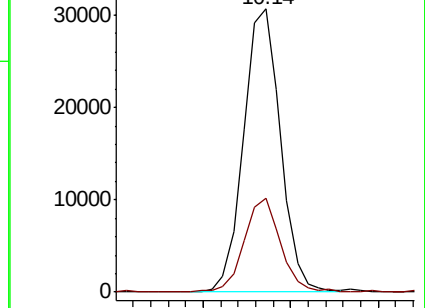
112 100

114 32.9 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 5.000 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

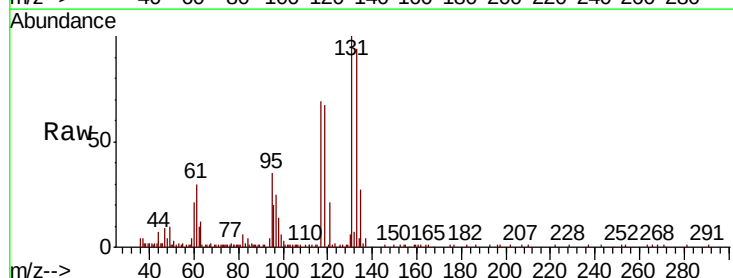
Tgt Ion:131 Resp: 15605

Ion Ratio Lower Upper

131 100

133 94.3 0.0 190.6

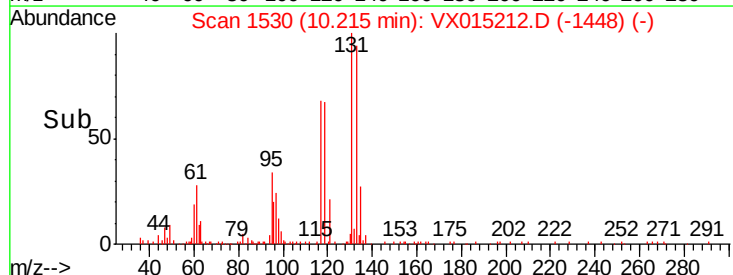
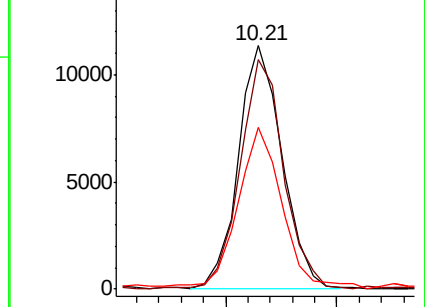
119 66.6 0.0 131.2

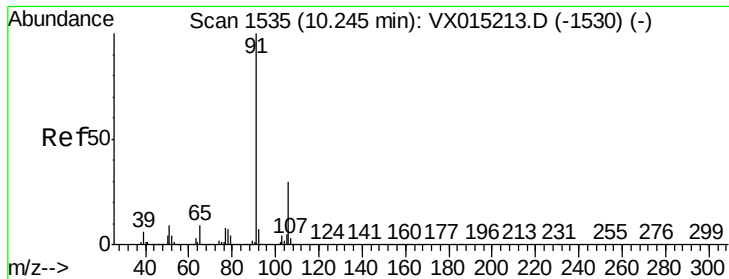


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#66

Ethyl Benzene

Concen: 4.973 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

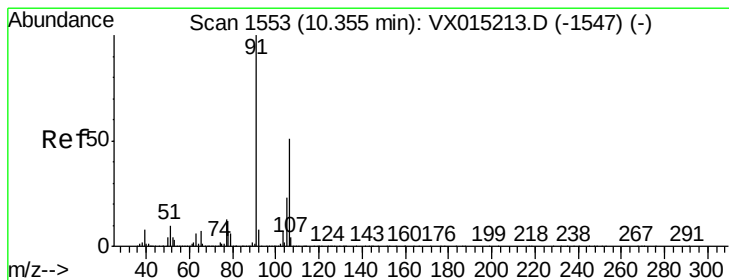
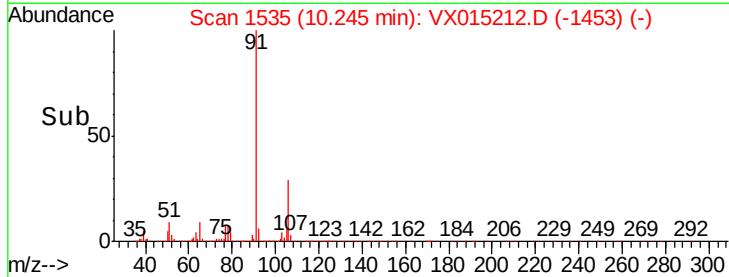
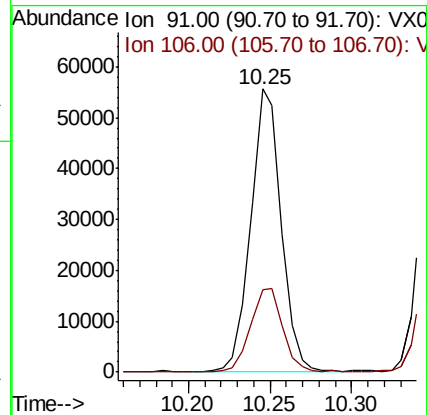
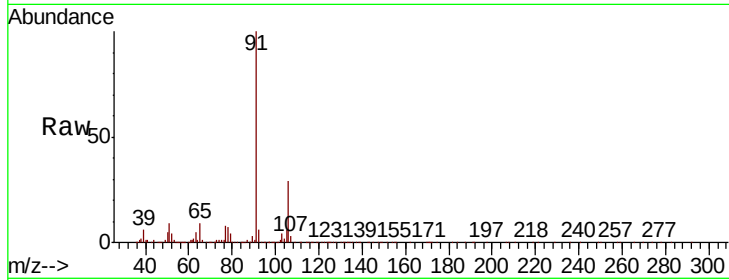
ClientSampleId :

Tot Ion: 91 Resp: 72293

Ion Ratio Lower Upper

91 100

106 29.0 24.2 36.4



#67

m/p-Xylenes

Concen: 9.845 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX015212.D

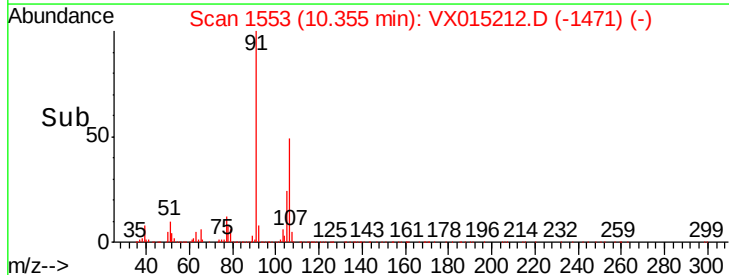
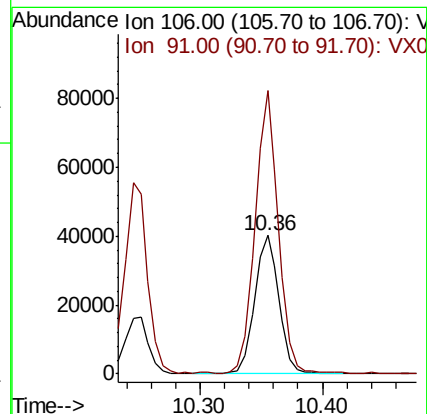
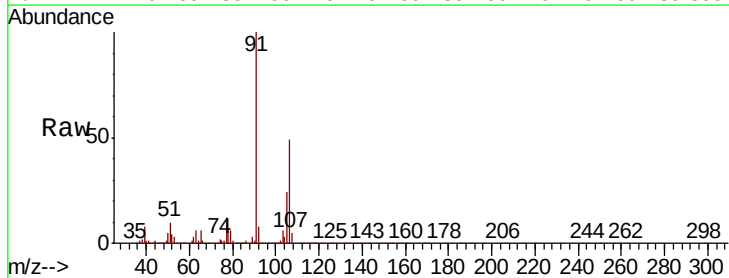
Acq: 11 Mar 2020 19:56

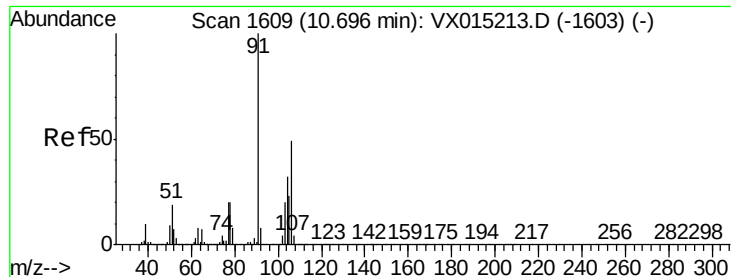
Tgt Ion: 106 Resp: 55196

Ion Ratio Lower Upper

106 100

91 196.4 158.2 237.2

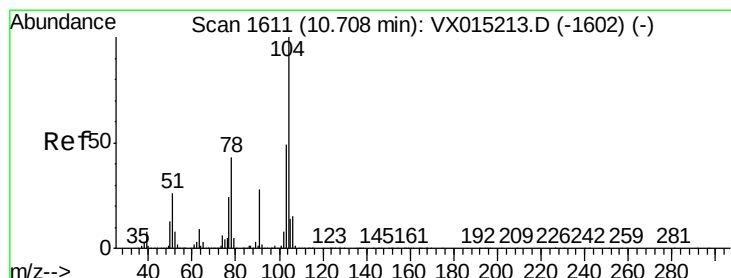
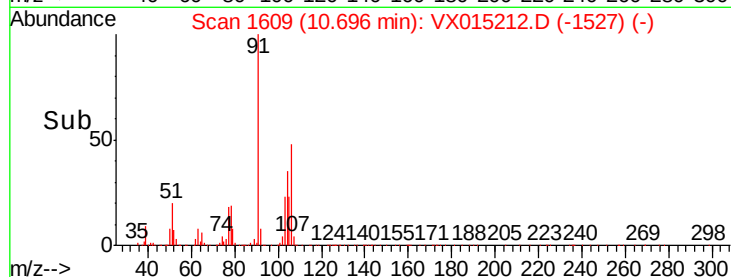
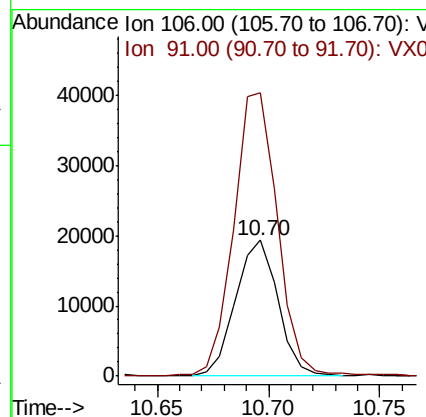
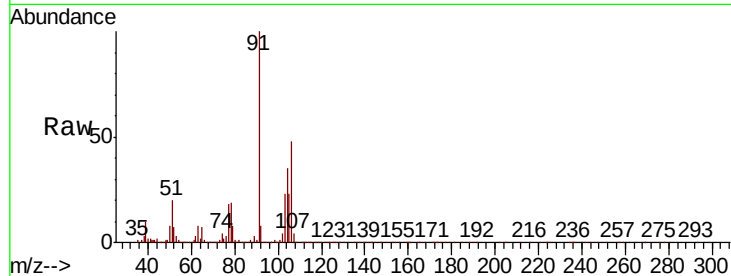




#68  
o-Xylene  
Concen: 4.751 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

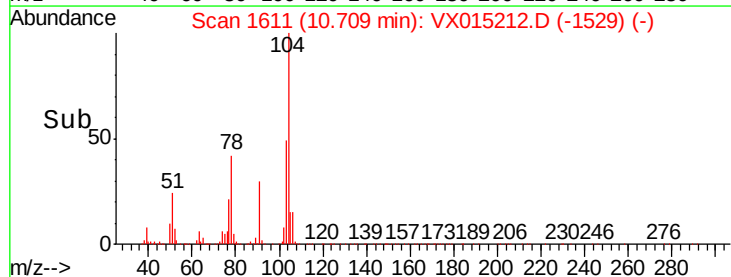
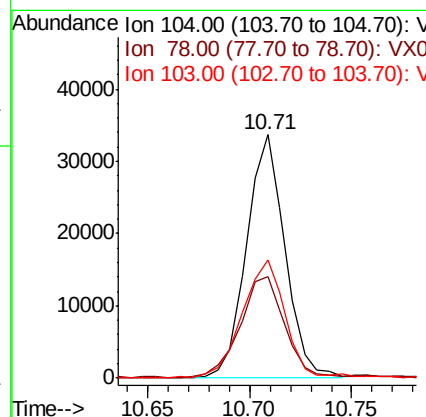
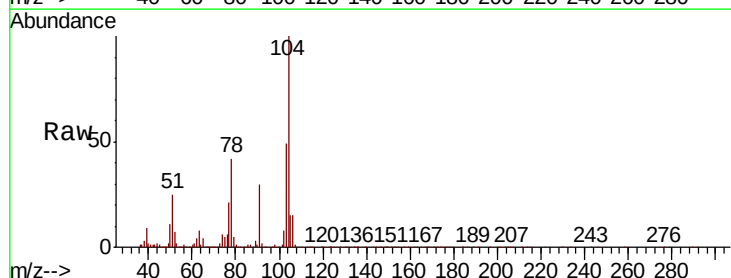
Instrument :  
MSVOA\_X  
ClientSampleId :

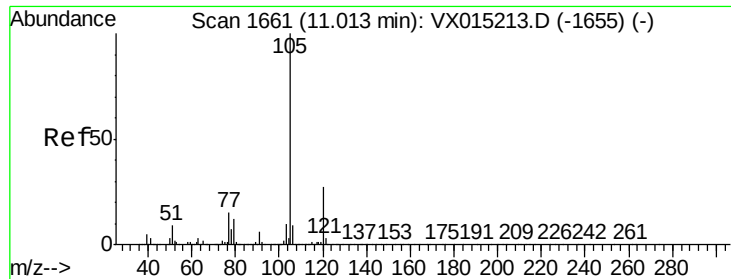
Tot Ion:106 Resp: 25746  
Ion Ratio Lower Upper  
106 100  
91 212.7 103.6 310.8



#69  
Styrene  
Concen: 4.686 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

Tgt Ion:104 Resp: 43660  
Ion Ratio Lower Upper  
104 100  
78 48.1 38.3 57.5  
103 54.0 42.6 64.0





#70

Isopropylbenzene

Concen: 4.903 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

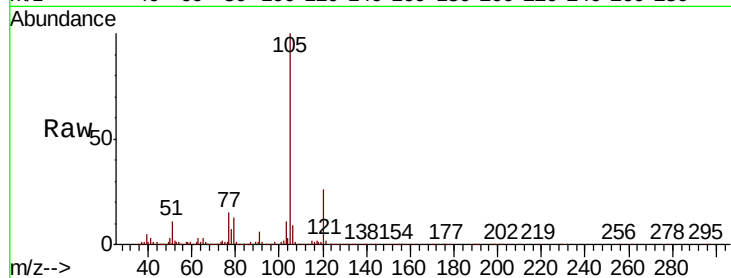
ClientSampleId :

Tot Ion:105 Resp: 70428

Ion Ratio Lower Upper

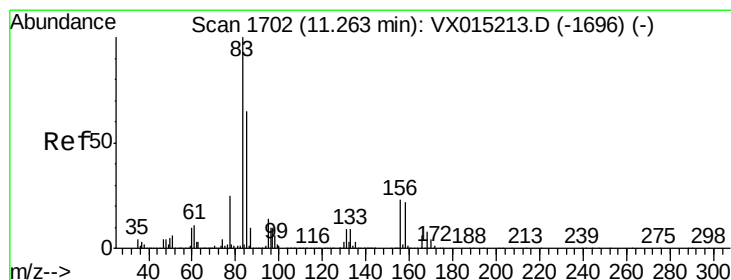
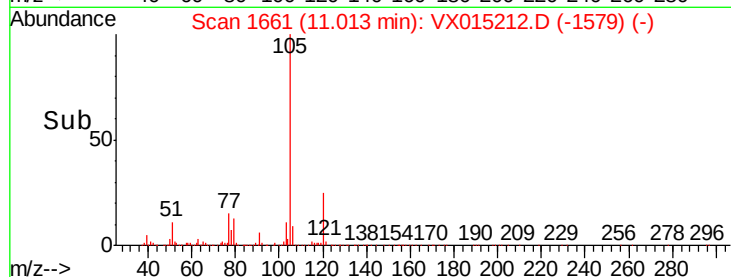
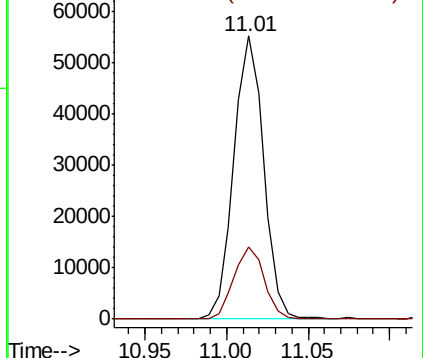
105 100

120 26.1 19.0 35.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 5.345 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

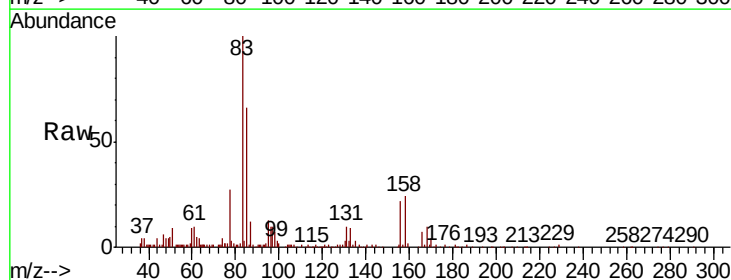
Tgt Ion: 83 Resp: 24825

Ion Ratio Lower Upper

83 100

131 11.6 5.0 15.0

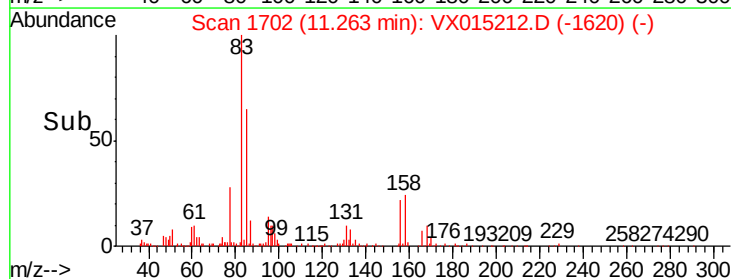
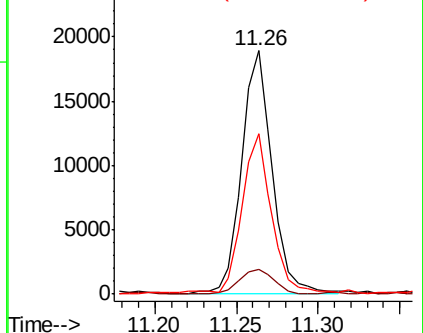
85 62.1 32.1 96.3

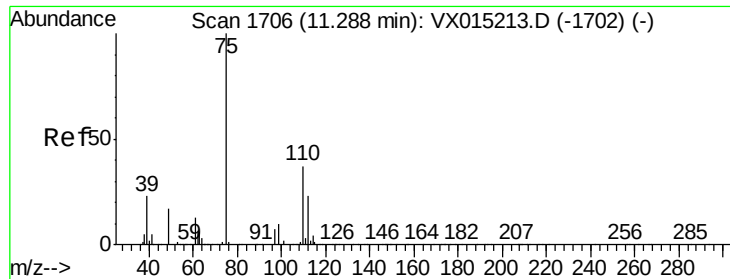


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0

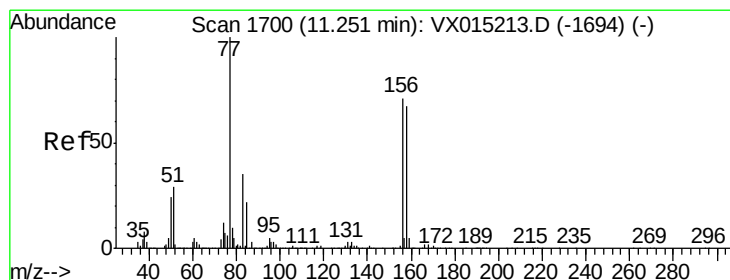
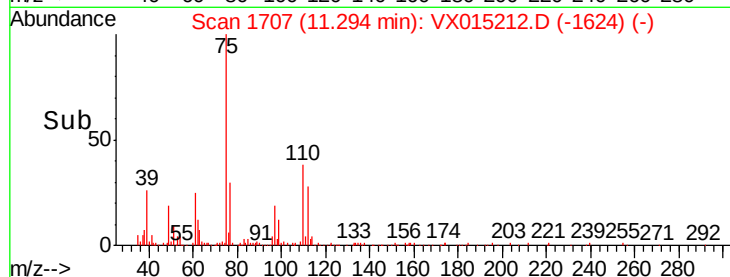
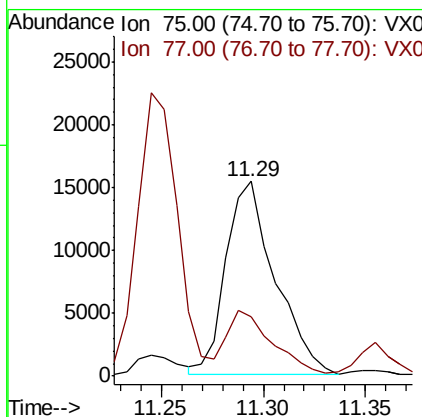
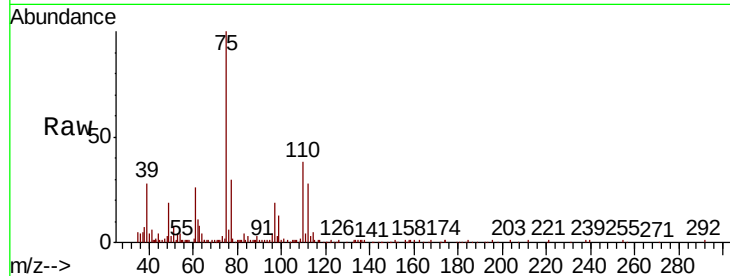




#72  
 1,2,3-Trichloropropane  
 Concen: 6.428 ug/l  
 RT: 11.29 min Scan# 1707  
 Delta R.T. 0.01 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

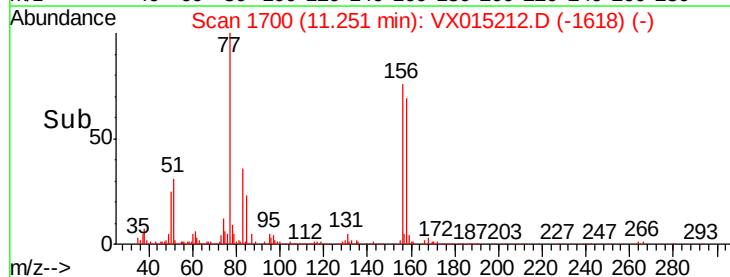
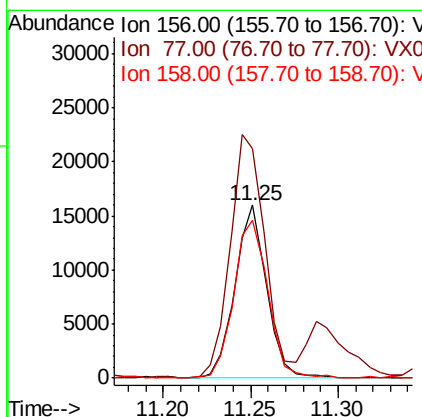
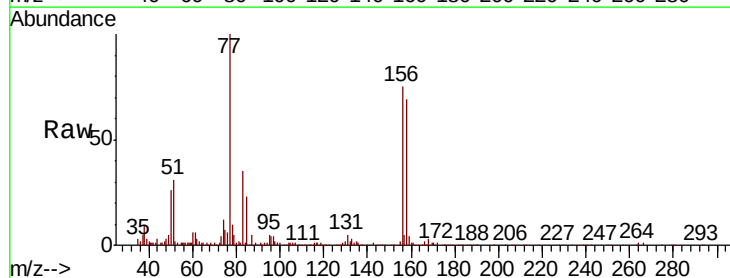
Instrument :  
 MSVOA\_X  
 ClientSampled :

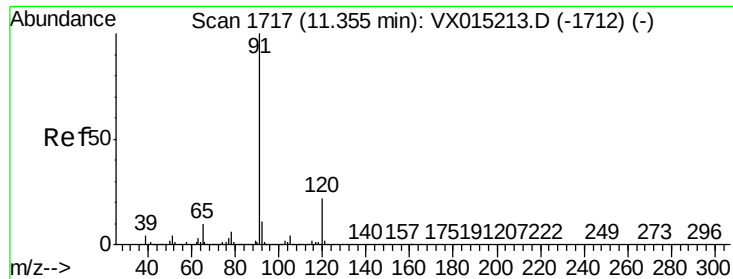
Tot Ion: 75 Resp: 25439  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 0.0 69.4



#73  
 Bromobenzene  
 Concen: 5.168 ug/l  
 RT: 11.25 min Scan# 1700  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

Tgt Ion: 156 Resp: 20055  
 Ion Ratio Lower Upper  
 156 100  
 77 154.8 0.0 300.2  
 158 98.0 0.0 195.2





#74

n-propylbenzene

Concen: 4.819 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

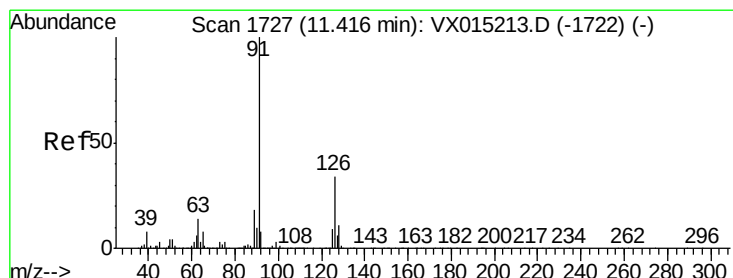
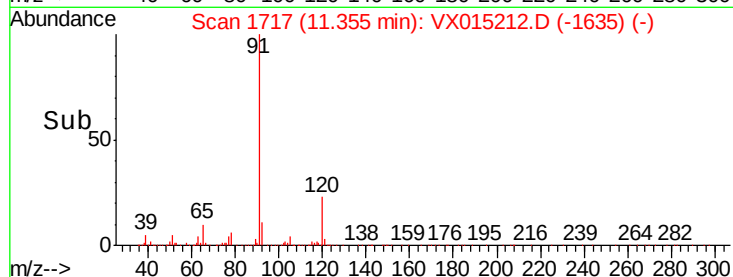
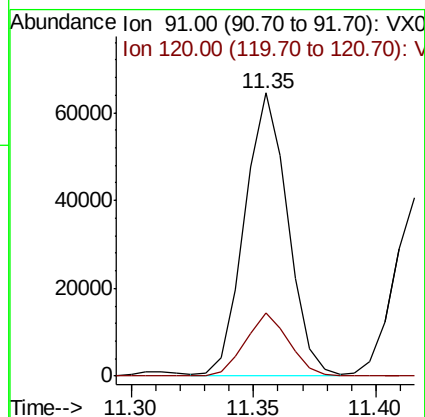
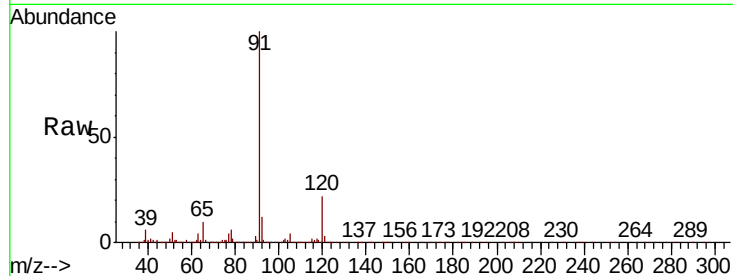
ClientSampleId :

Tot Ion: 91 Resp: 79007

Ion Ratio Lower Upper

91 100

120 22.6 0.0 46.4



#75

2-Chlorotoluene

Concen: 5.096 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX015212.D

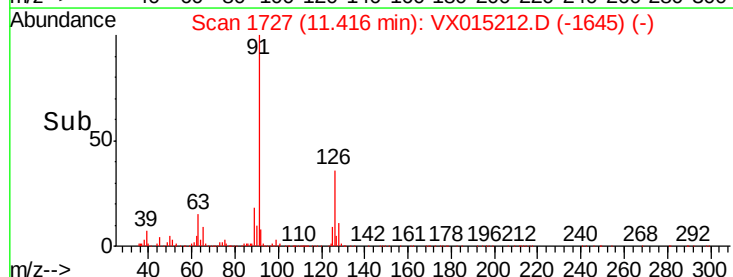
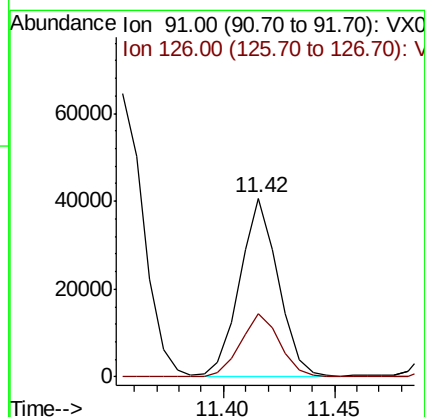
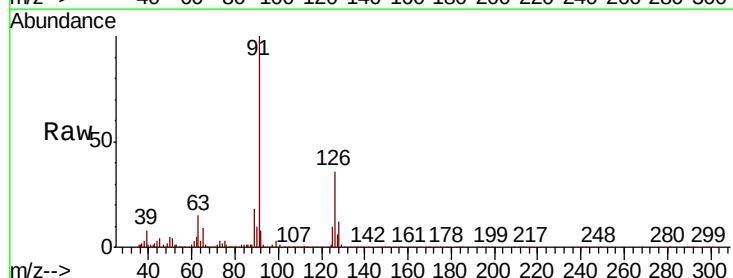
Acq: 11 Mar 2020 19:56

Tgt Ion: 91 Resp: 49183

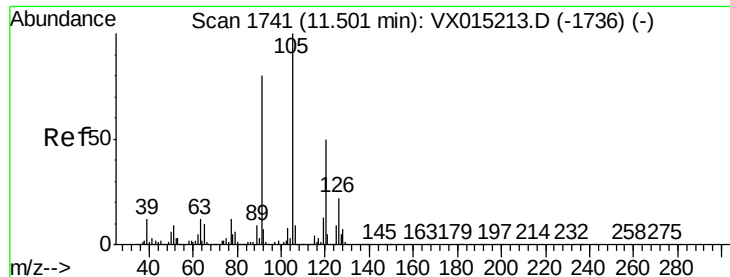
Ion Ratio Lower Upper

91 100

126 35.8 0.0 68.0







#76

1,3,5-Trimethylbenzene

Concen: 4.732 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

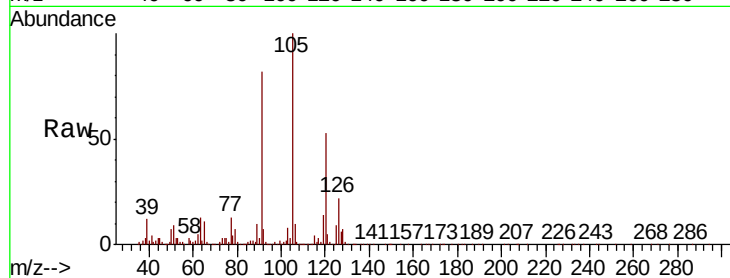
ClientSampleId :

Tot Ion:105 Resp: 56850

Ion Ratio Lower Upper

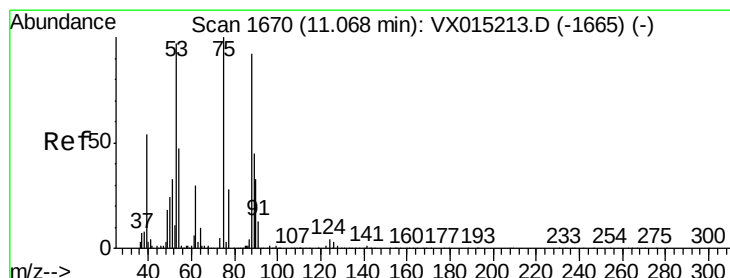
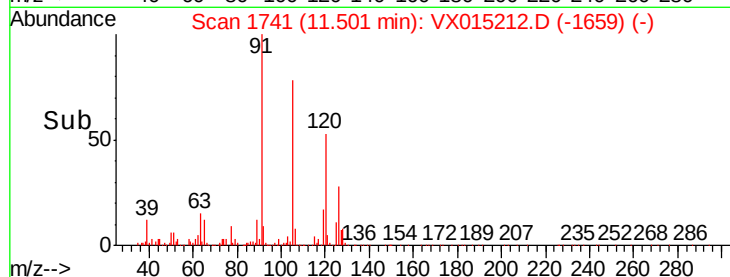
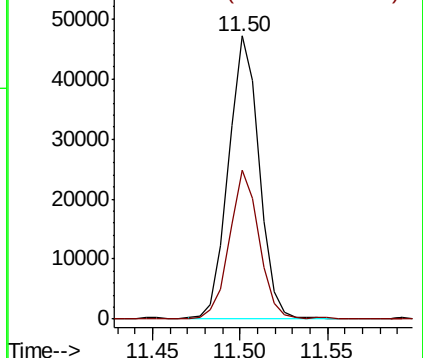
105 100

120 51.1 0.0 100.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 4.045 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

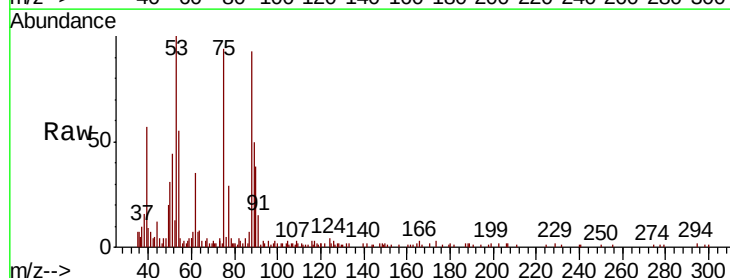
Tgt Ion: 75 Resp: 6247

Ion Ratio Lower Upper

75 100

53 104.8 48.7 146.1

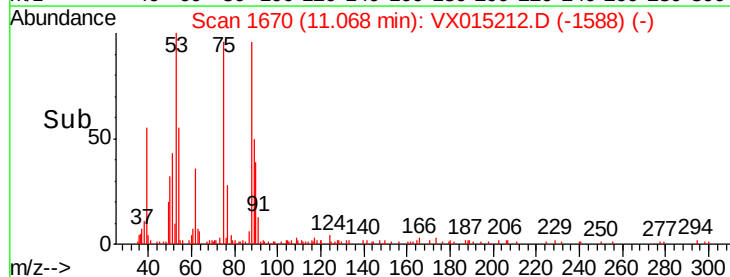
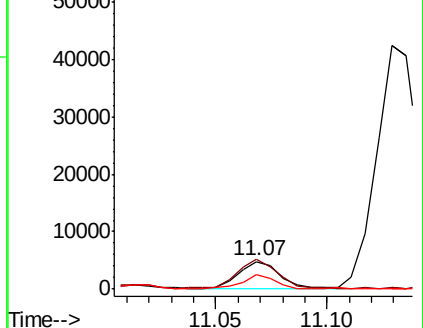
89 48.9 22.4 67.3

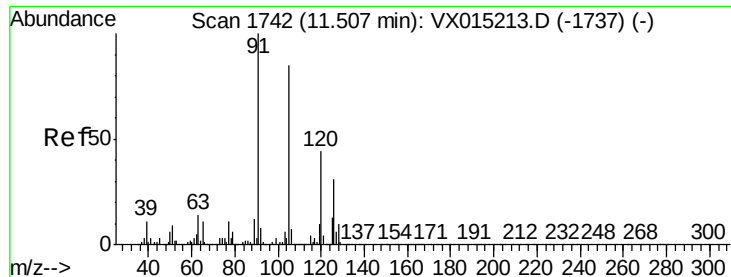


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

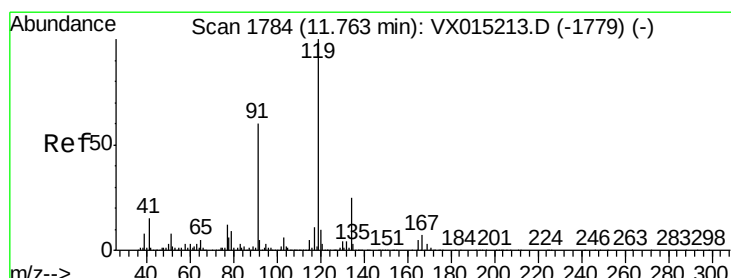
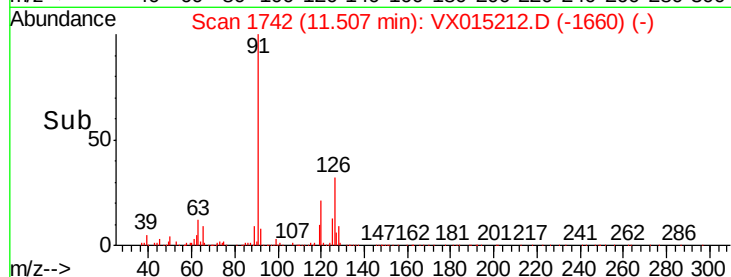
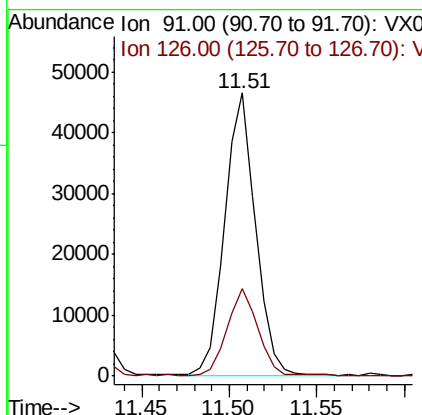
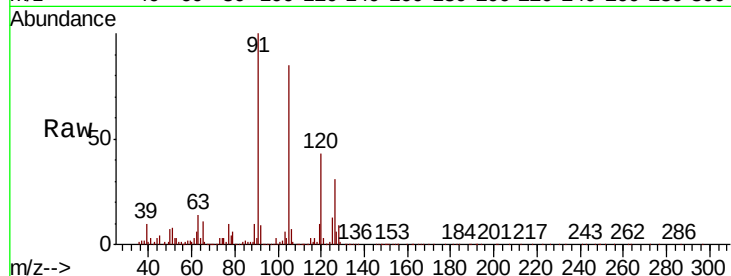




#78  
4-Chlorotoluene  
Concen: 5.079 ug/l  
RT: 11.51 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

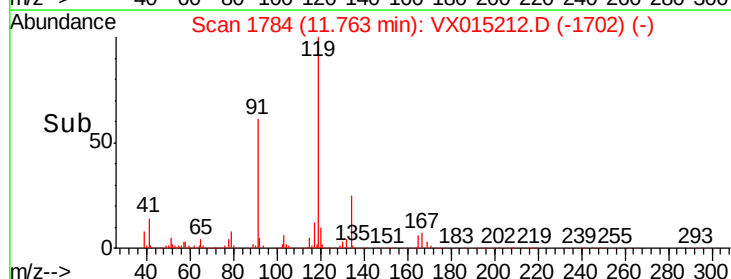
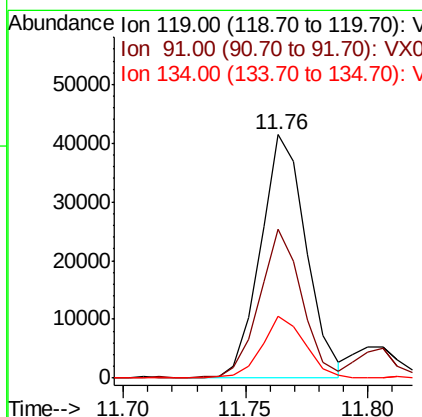
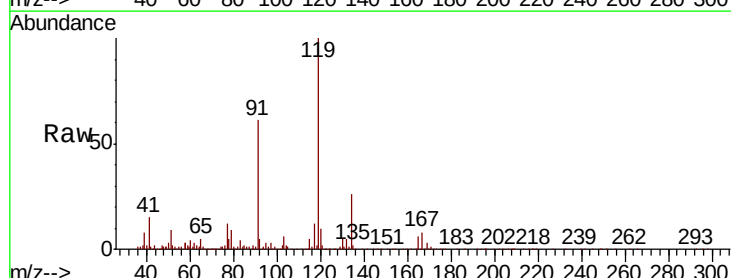
Instrument :  
MSVOA\_X  
ClientSampled :

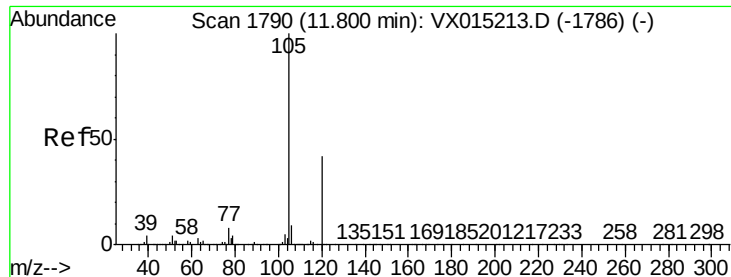
Tot Ion: 91 Resp: 57044  
Ion Ratio Lower Upper  
91 100  
126 30.9 0.0 60.0



#79  
tert-butylbenzene  
Concen: 4.667 ug/l  
RT: 11.76 min Scan# 1784  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

Tgt Ion: 119 Resp: 54035  
Ion Ratio Lower Upper  
119 100  
91 56.8 0.0 113.8  
134 24.3 0.0 50.6

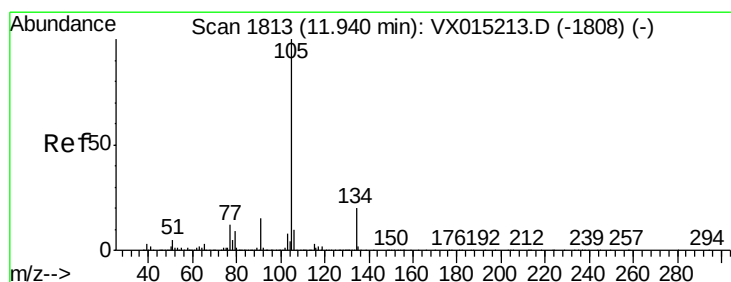
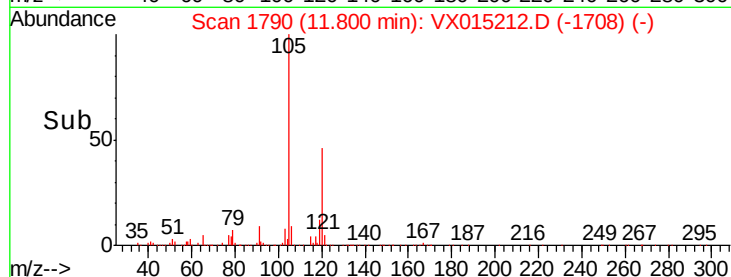
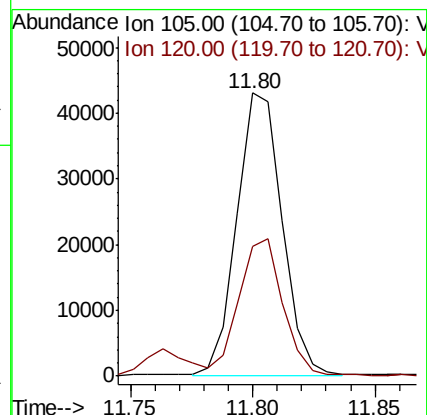
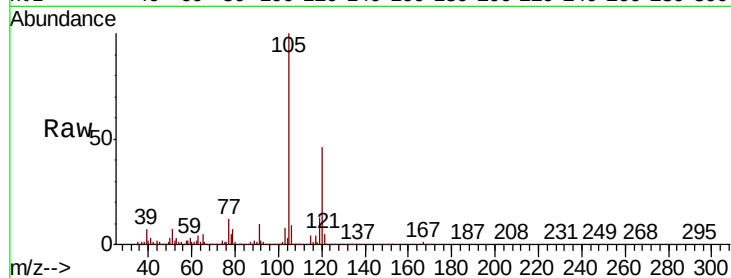




#80  
 1,2,4-Trimethylbenzene  
 Concen: 4.613 ug/l  
 RT: 11.80 min Scan# 1790  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

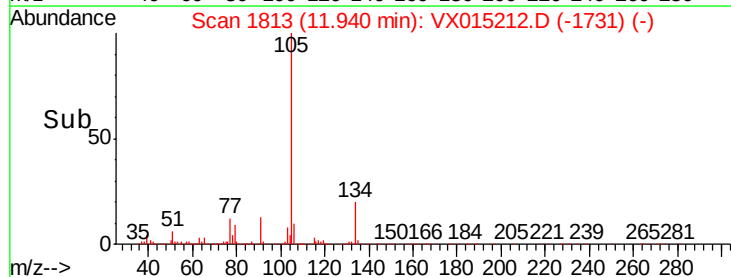
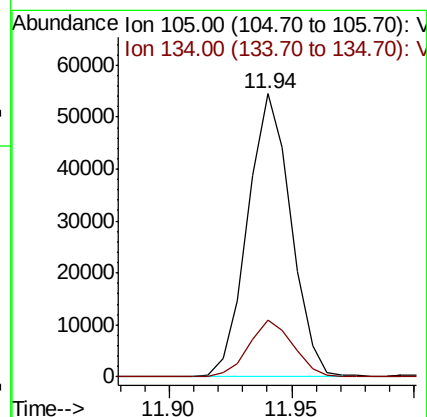
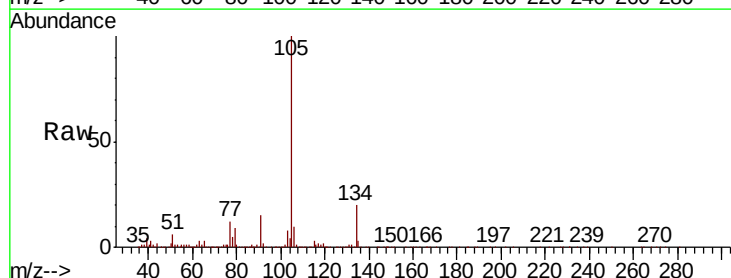
Instrument :  
 MSVOA\_X  
 ClientSampleId :

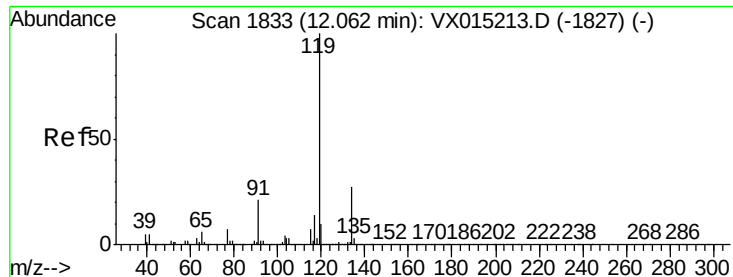
Tot Ion:105 Resp: 55301  
 Ion Ratio Lower Upper  
 105 100  
 120 47.1 0.0 92.2



#81  
 sec-Butylbenzene  
 Concen: 4.768 ug/l  
 RT: 11.94 min Scan# 1813  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

Tgt Ion:105 Resp: 66525  
 Ion Ratio Lower Upper  
 105 100  
 134 20.9 0.0 41.4

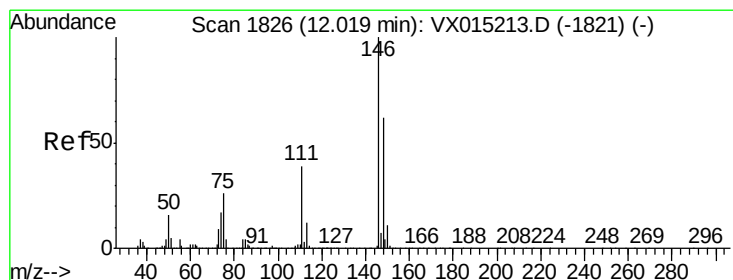
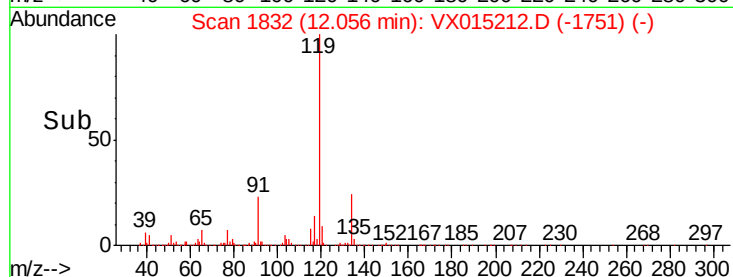
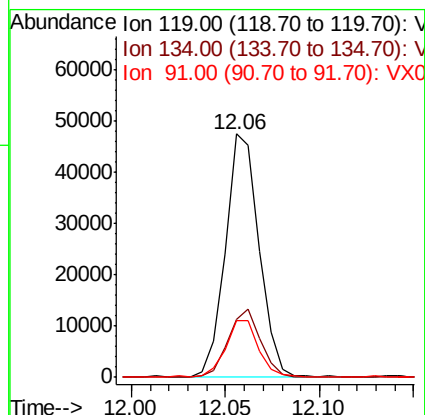
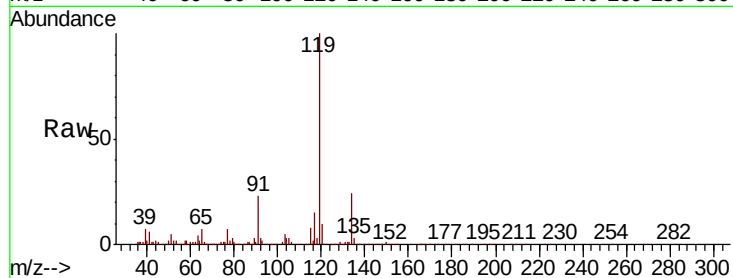




#82  
 p-Isopropyltoluene  
 Concen: 4.567 ug/l  
 RT: 12.06 min Scan# 1832  
 Delta R.T. -0.01 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

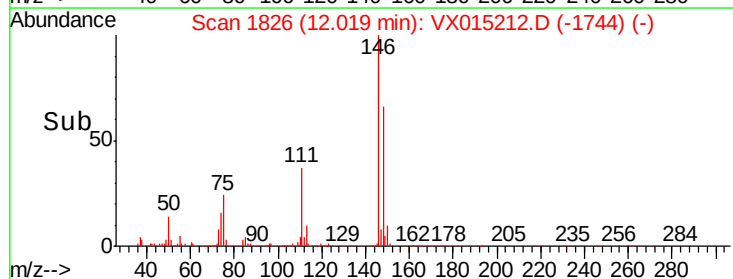
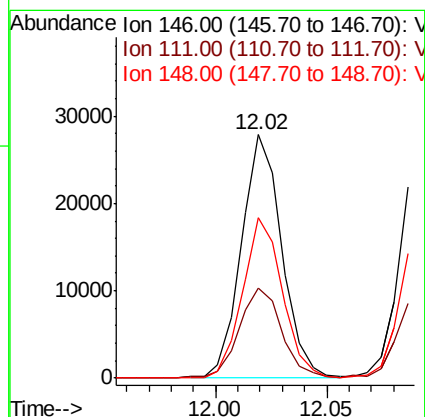
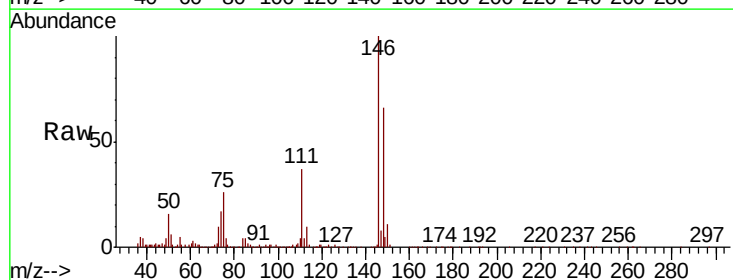
Instrument :  
 MSVOA\_X  
 ClientSampleId :

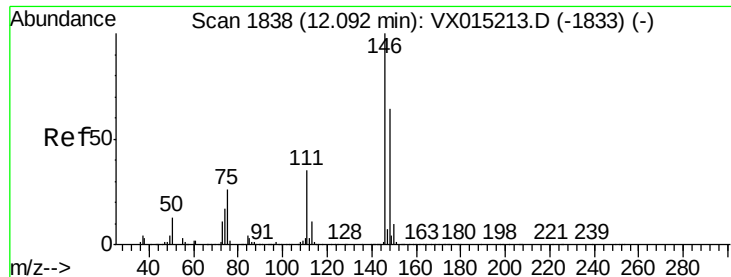
Tot Ion:119 Resp: 58828  
 Ion Ratio Lower Upper  
 119 100  
 134 27.2 0.0 52.2  
 91 23.2 0.0 43.4



#83  
 1,3-Dichlorobenzene  
 Concen: 5.152 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

Tgt Ion:146 Resp: 35241  
 Ion Ratio Lower Upper  
 146 100  
 111 39.1 19.1 57.5  
 148 65.3 31.3 93.9

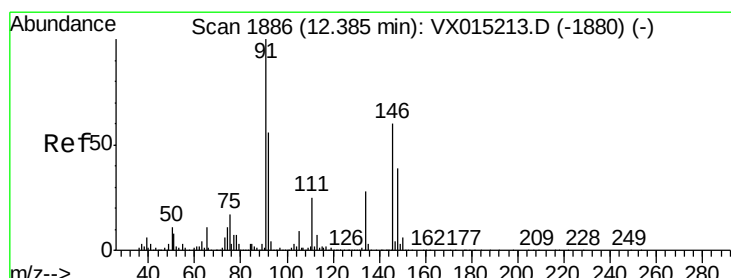
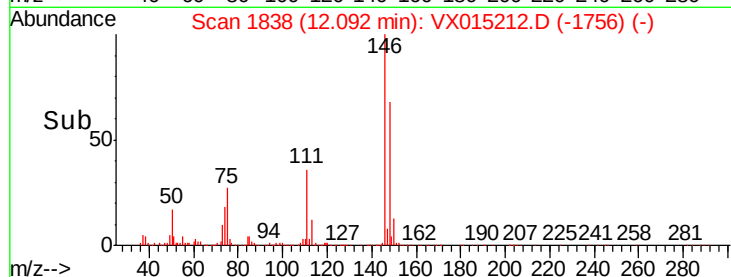
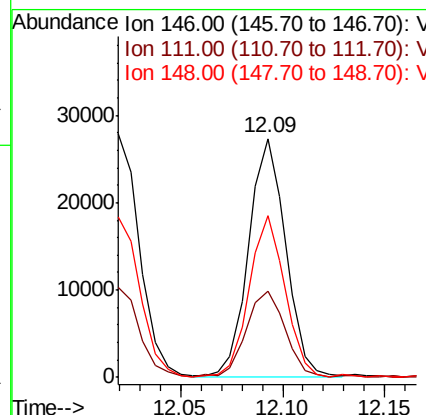
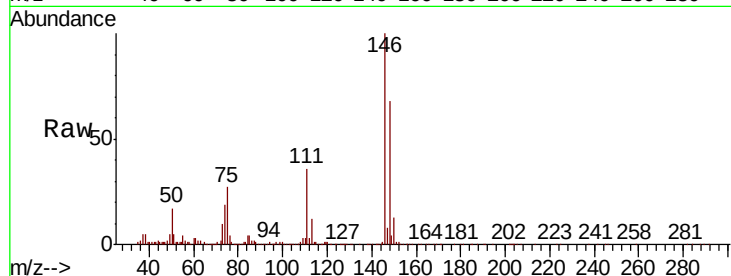




#84  
 1,4-Dichlorobenzene  
 Concen: 5.047 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

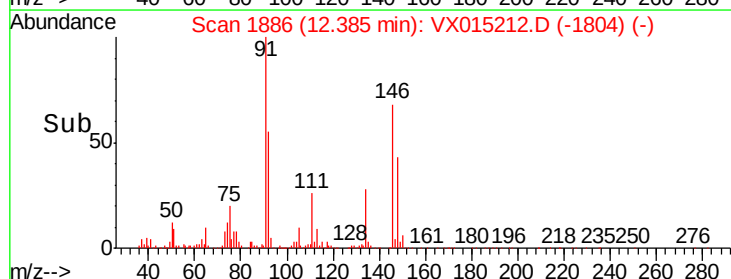
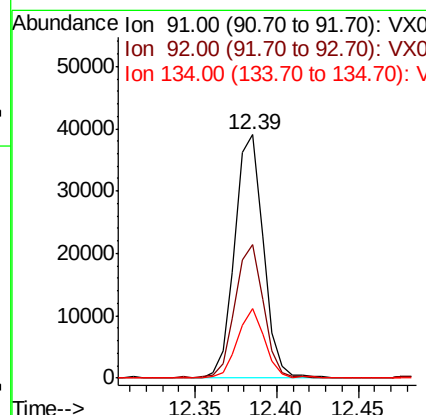
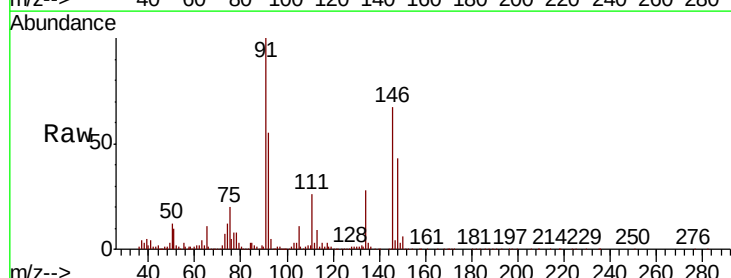
Instrument :  
 MSVOA\_X  
 ClientSampleId :

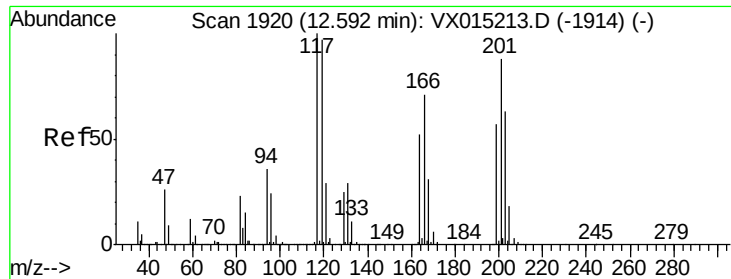
Tot Ion:146 Resp: 34718  
 Ion Ratio Lower Upper  
 146 100  
 111 37.9 18.1 54.1  
 148 65.2 31.7 95.1



#85  
 n-Butylbenzene  
 Concen: 4.218 ug/l  
 RT: 12.39 min Scan# 1886  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

Tgt Ion: 91 Resp: 47555  
 Ion Ratio Lower Upper  
 91 100  
 92 54.5 0.0 109.6  
 134 27.1 0.0 54.6

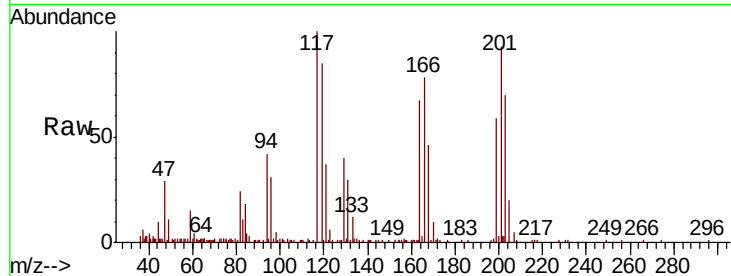




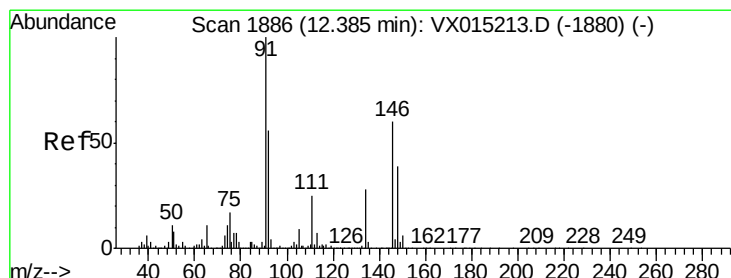
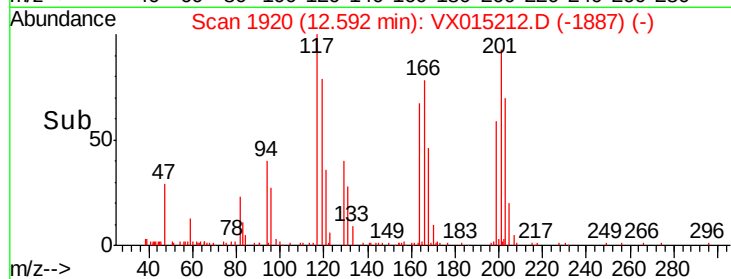
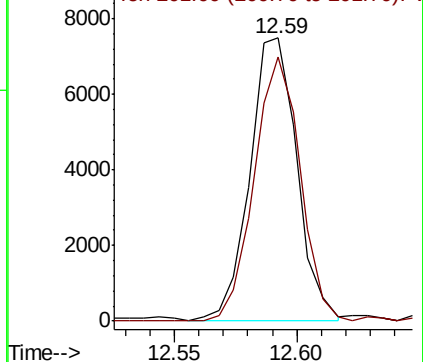
#86  
Hexachloroethane  
Concen: 4.298 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion:117 Resp: 10064  
Ion Ratio Lower Upper  
117 100  
201 91.2 43.8 131.4

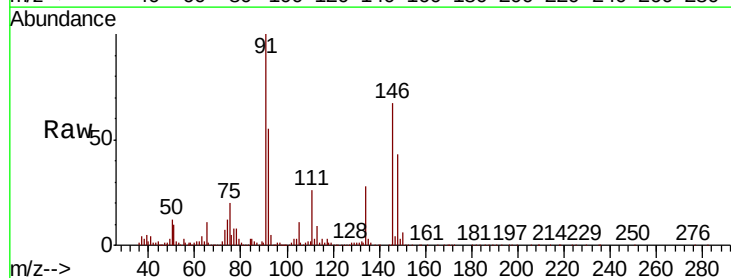


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 201.00 (200.70 to 201.70): V

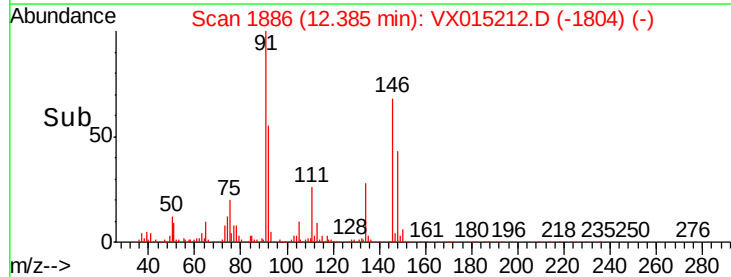
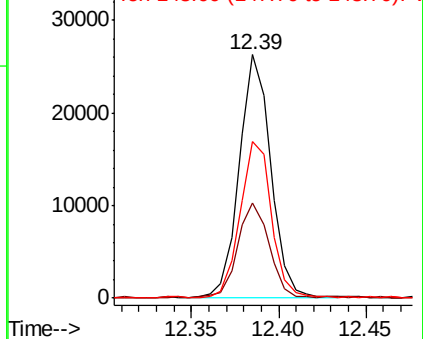


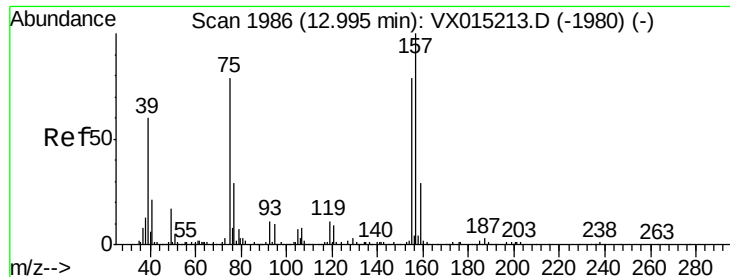
#87  
1,2-Dichlorobenzene  
Concen: 4.900 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX015212.D  
Acq: 11 Mar 2020 19:56

Tgt Ion:146 Resp: 33185  
Ion Ratio Lower Upper  
146 100  
111 39.2 20.2 60.5  
148 63.6 32.5 97.5



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





#88

1,2-Dibromo-3-Chloropropane

Concen: 4.435 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

ClientSampleId :

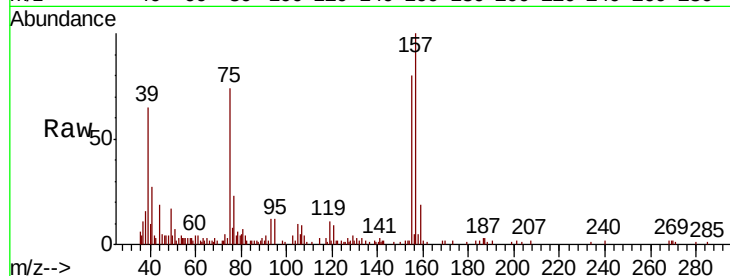
Tot Ion: 75 Resp: 4428

Ion Ratio Lower Upper

75 100

155 100.0 79.4 119.2

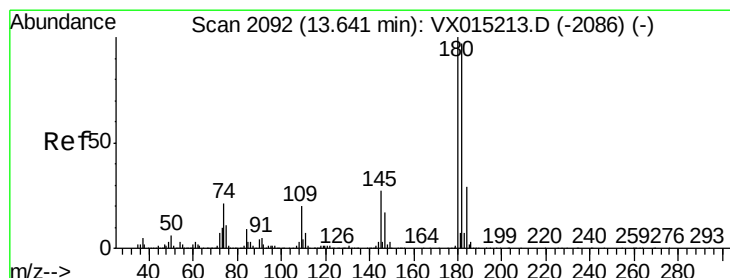
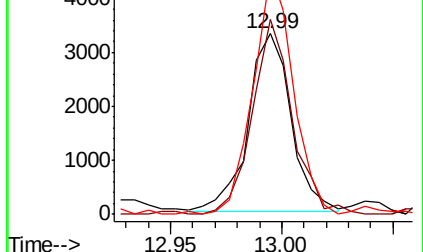
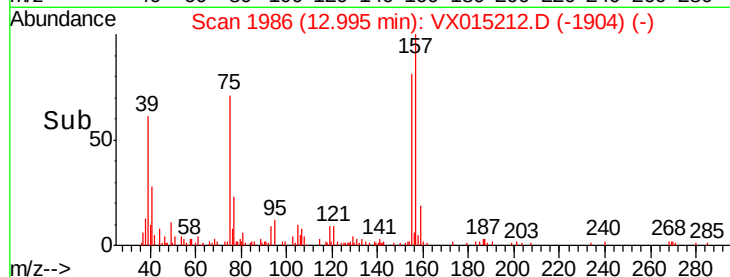
157 126.6 99.1 148.7



Abundance Ion 75.00 (74.70 to 75.70): VX015212.D (-1980) (-)

Ion 155.00 (154.70 to 155.70): VX015212.D (-1980) (-)

Ion 157.00 (156.70 to 157.70): VX015212.D (-1980) (-)



#89

1,2,4-Trichlorobenzene

Concen: 4.374 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

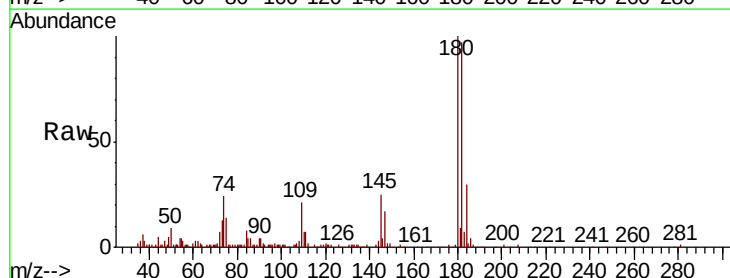
Tgt Ion:180 Resp: 21444

Ion Ratio Lower Upper

180 100

182 92.2 75.6 113.4

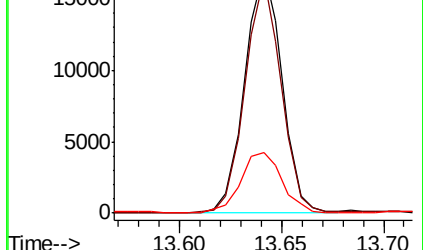
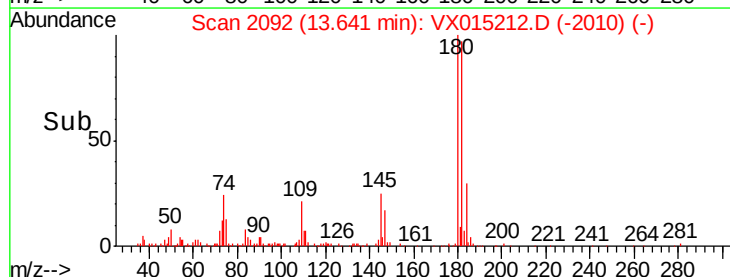
145 28.1 22.7 34.1

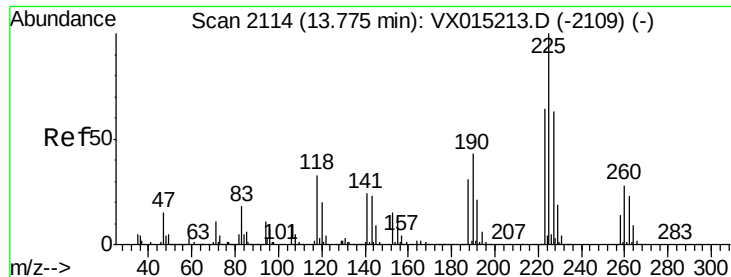


Abundance Ion 180.00 (179.70 to 180.70): VX015212.D (-2086) (-)

Ion 182.00 (181.70 to 182.70): VX015212.D (-2086) (-)

Ion 145.00 (144.70 to 145.70): VX015212.D (-2086) (-)





#90

Hexachlorobutadiene

Concen: 4.747 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

Instrument :

MSVOA\_X

ClientSampleId :

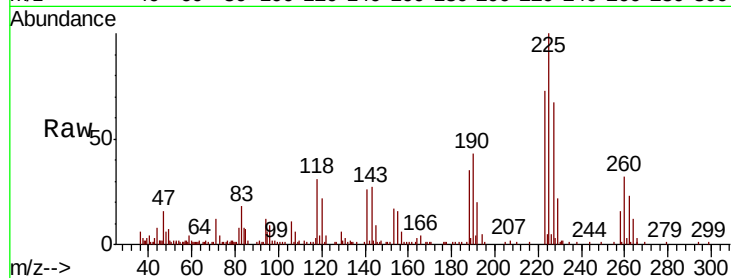
Tot Ion:225 Resp: 11515

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 65.8  | 0.0   | 127.6 |
| 227 | 65.8  | 0.0   | 128.6 |

225 100

223 65.8 0.0 127.6

227 65.8 0.0 128.6

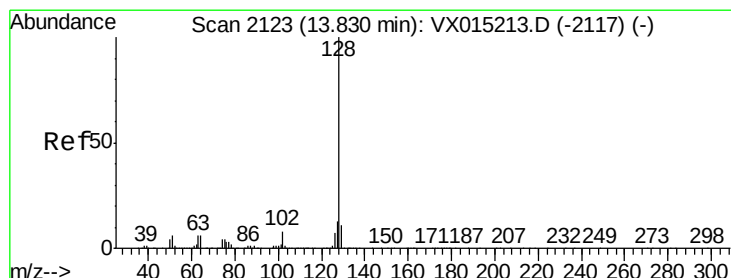
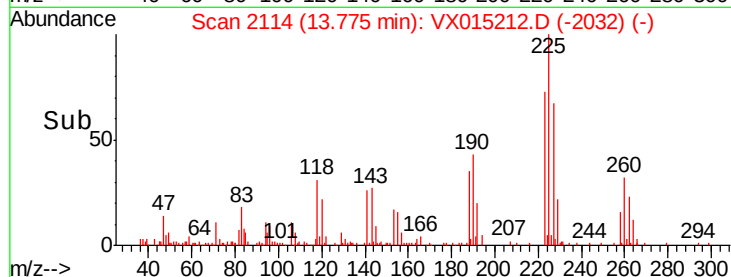
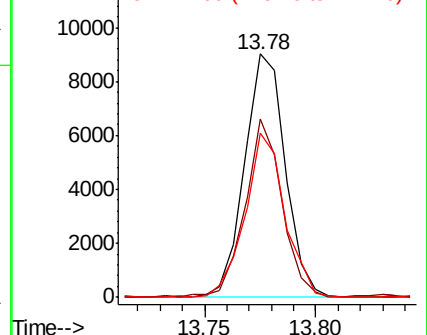


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 3.963 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015212.D

Acq: 11 Mar 2020 19:56

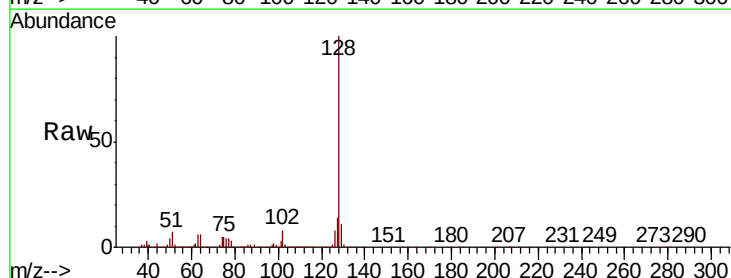
Tgt Ion:128 Resp: 54702

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 14.2  | 10.4  | 15.6  |
| 129 | 10.6  | 8.8   | 13.2  |

128 100

127 14.2 10.4 15.6

129 10.6 8.8 13.2

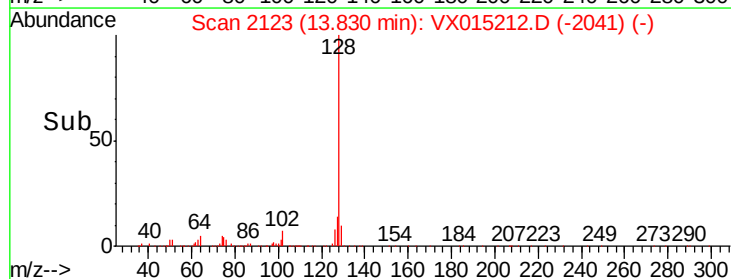
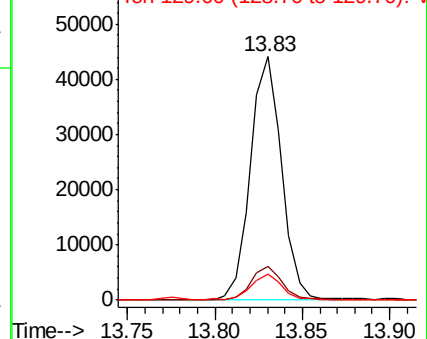


Abundance

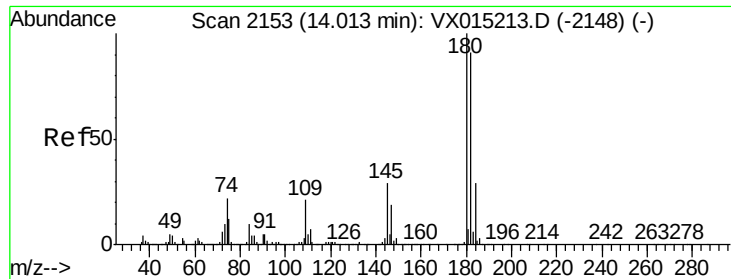
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V







#92  
 1,2,3-Trichlorobenzene  
 Concen: 4.586 ug/l  
 RT: 14.01 min Scan# 2153  
 Delta R.T. 0.00 min  
 Lab File: VX015212.D  
 Acq: 11 Mar 2020 19:56

Instrument :  
 MSVOA\_X  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.6  | 0.0   | 188.4 |
| 145     | 29.0  | 0.0   | 59.2  |

