

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021619\  
 Data File : VX007565.D  
 Acq On : 15 Feb 2019 13:58  
 Operator : JC/SP  
 Sample : VX0216WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Feb 16 03:41:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Feb 13 07:51:18 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.03  | 128  | 77687    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.86  | 114  | 408747   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.12 | 117  | 364048   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.07   | 65    | 148687   | 29.59    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 98.63%  |
| 60) 4-Bromofluorobenzene  | 11.13  | 95    | 167271   | 29.94    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 99.80%  |
| 63) Toluene-d8            | 8.71   | 98    | 493653   | 30.00    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 100.00% |

## Target Compounds

|                               |      |     |        |         | Ovalue     |
|-------------------------------|------|-----|--------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 81435  | 20.700  | ug/l 98    |
| 3) Chloromethane              | 1.33 | 50  | 85568  | 19.791  | ug/l 96    |
| 4) Vinyl Chloride             | 1.41 | 62  | 94221  | 19.374  | ug/l 100   |
| 5) Bromomethane               | 1.64 | 94  | 81273  | 18.714  | ug/l 99    |
| 6) Chloroethane               | 1.73 | 64  | 60794  | 18.390  | ug/l 96    |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 149483 | 19.608  | ug/l 96    |
| 8) Diethyl Ether              | 2.19 | 74  | 58324  | 19.152  | ug/l 96    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 88585  | 20.596  | ug/l 98    |
| 10) 1,1-Dichloroethene        | 2.38 | 96  | 83769  | 19.627  | ug/l 100   |
| 11) Methyl Iodide             | 2.51 | 142 | 102649 | 16.734  | ug/l 98    |
| 12) Methyl Acetate            | 2.78 | 43  | 110378 | 18.753  | ug/l 99    |
| 13) Acrolein                  | 2.30 | 56  | 94911  | 92.441  | ug/l 99    |
| 14) Acrylonitrile             | 3.15 | 53  | 264147 | 97.400  | ug/l 99    |
| 15) Acetone                   | 2.45 | 58  | 76307  | 103.677 | ug/l 96    |
| 16) Carbon Disulfide          | 2.57 | 76  | 218259 | 19.284  | ug/l 97    |
| 17) Allyl chloride            | 2.73 | 41  | 142601 | 19.501  | ug/l 98    |
| 18) Methylene Chloride        | 2.86 | 84  | 93893  | 19.562  | ug/l 94    |
| 19) trans-1,2-Dichloroethene  | 3.17 | 96  | 87876  | 19.250  | ug/l 97    |
| 20) Diisopropyl ether         | 3.87 | 45  | 271468 | 19.644  | ug/l 98    |
| 21) 1,1-Dichloroethane        | 3.70 | 63  | 157393 | 20.315  | ug/l 99    |
| 22) cis-1,2-Dichloroethene    | 4.60 | 96  | 102375 | 20.152  | ug/l 99    |
| 23) tert-Butyl Alcohol        | 3.07 | 59  | 113461 | 99.538  | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 3.21 | 73  | 286866 | 19.368  | ug/l 99    |
| 25) Chloroform                | 5.21 | 83  | 160986 | 19.674  | ug/l 95    |
| 26) Cyclohexane               | 5.57 | 56  | 134095 | 20.641  | ug/l # 100 |
| 29) 1,1-Dichloropropene       | 5.80 | 75  | 116235 | 20.387  | ug/l 98    |
| 30) 2-Butanone                | 4.70 | 43  | 357641 | 105.994 | ug/l 99    |
| 31) 2,2-Dichloropropane       | 4.59 | 77  | 110178 | 23.785  | ug/l 98    |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 137365 | 20.157  | ug/l 99    |
| 33) Carbon Tetrachloride      | 5.78 | 117 | 120985 | 20.083  | ug/l 95    |
| 34) Benzene                   | 6.14 | 78  | 356072 | 19.810  | ug/l 97    |
| 35) Methacrylonitrile         | 5.06 | 41  | 68761  | 19.600  | ug/l 97    |
| 36) 1,2-Dichloroethane        | 6.20 | 62  | 123398 | 20.173  | ug/l 99    |
| 37) Trichloroethene           | 7.22 | 130 | 104748 | 20.270  | ug/l 95    |
| 38) Methylcyclohexane         | 7.46 | 83  | 138892 | 21.044  | ug/l 99    |
| 39) 1,2-Dichloropropane       | 7.52 | 63  | 90703  | 20.288  | ug/l 95    |
| 40) Dibromomethane            | 7.66 | 93  | 64001  | 19.821  | ug/l 97    |

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 Sample : VX0216WBS01  
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 ALS Vial : 7 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

Quant Time: Feb 16 03:41:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Feb 13 07:51:18 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 41) Bromodichloromethane       | 7.90  | 83   | 111404   | 19.442  | ug/l   | 98       |
| 42) Vinyl Acetate              | 3.82  | 43   | 1219805  | 103.282 | ug/l   | 100      |
| 43) Ethyl Acetate              | 4.85  | 43   | 130793   | 20.241  | ug/l # | 80       |
| 44) Isopropyl Acetate          | 6.46  | 43   | 200043   | 20.051  | ug/l   | 100      |
| 45) 1,4-Dioxane                | 7.75  | 88   | 48312    | 410.322 | ug/l   | 98       |
| 46) Methyl methacrylate        | 7.77  | 41   | 100859   | 19.964  | ug/l   | 98       |
| 47) n-amyl Acetate             | 10.90 | 43   | 171243   | 19.474  | ug/l   | 98       |
| 48) t-1,3-Dichloropropene      | 9.04  | 75   | 115997   | 19.610  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene    | 8.43  | 75   | 132607   | 20.131  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane      | 9.21  | 97   | 95108    | 20.202  | ug/l   | 98       |
| 51) Ethyl methacrylate         | 9.18  | 69   | 133308   | 19.531  | ug/l   | 97       |
| 52) 1,3-Dichloropropane        | 9.37  | 76   | 153376   | 20.197  | ug/l   | 100      |
| 53) Dibromochloromethane       | 9.58  | 129  | 94831    | 19.366  | ug/l   | 99       |
| 54) 1,2-Dibromoethane          | 9.67  | 107  | 102384   | 19.860  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether  | 8.31  | 63   | 343873   | 99.096  | ug/l   | 99       |
| 56) Bromoform                  | 10.85 | 173  | 69106    | 18.710  | ug/l   | 100      |
| 58) 4-Methyl-2-Pentanone       | 8.65  | 43   | 669860   | 102.297 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.49  | 43   | 513931   | 103.329 | ug/l   | 100      |
| 61) Tetrachloroethene          | 9.34  | 164  | 104564   | 20.233  | ug/l   | 97       |
| 62) Toluene                    | 8.79  | 91   | 399735   | 20.162  | ug/l   | 97       |
| 64) Chlorobenzene              | 10.13 | 112  | 254603   | 19.760  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 93077    | 19.944  | ug/l   | 99       |
| 66) Ethyl Benzene              | 10.25 | 91   | 419906   | 19.958  | ug/l   | 99       |
| 67) m/p-Xylenes                | 10.36 | 106  | 328415   | 39.797  | ug/l   | 99       |
| 68) o-Xylene                   | 10.69 | 106  | 162650   | 20.209  | ug/l   | 96       |
| 69) Styrene                    | 10.71 | 104  | 255457   | 19.669  | ug/l   | 100      |
| 70) Isopropylbenzene           | 11.02 | 105  | 424015   | 19.969  | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 141364   | 20.140  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane     | 11.29 | 75   | 159447   | 24.845  | ug/l   | 91       |
| 73) Bromobenzene               | 11.26 | 156  | 115929   | 19.998  | ug/l   | 99       |
| 74) n-propylbenzene            | 11.36 | 91   | 471337   | 19.992  | ug/l   | 100      |
| 75) 2-Chlorotoluene            | 11.42 | 91   | 279116   | 19.800  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 341925   | 19.727  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene    | 11.07 | 75   | 34773    | 18.771  | ug/l   | 95       |
| 78) 4-Chlorotoluene            | 11.51 | 91   | 316983   | 19.700  | ug/l   | 100      |
| 79) tert-butylbenzene          | 12.06 | 119  | 366423   | 19.909  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 352342   | 20.025  | ug/l   | 98       |
| 81) sec-Butylbenzene           | 11.94 | 105  | 413151   | 19.961  | ug/l   | 99       |
| 82) p-Isopropyltoluene         | 12.06 | 119  | 366423   | 19.909  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 12.02 | 146  | 198026   | 19.431  | ug/l   | 97       |
| 84) 1,4-Dichlorobenzene        | 12.10 | 146  | 199028   | 19.570  | ug/l   | 99       |
| 85) n-Butylbenzene             | 12.39 | 91   | 301579   | 19.746  | ug/l   | 99       |
| 86) Hexachloroethane           | 12.60 | 117  | 58595    | 19.176  | ug/l   | 95       |
| 87) 1,2-Dichlorobenzene        | 12.39 | 146  | 200526   | 19.604  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 28725    | 19.610  | ug/l   | 98       |
| 89) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 130592   | 19.439  | ug/l   | 100      |
| 90) Hexachlorobutadiene        | 13.78 | 225  | 65352    | 20.820  | ug/l   | 98       |
| 91) Naphthalene                | 13.83 | 128  | 414195   | 19.332  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene     | 14.02 | 180  | 133043   | 19.481  | ug/l   | 99       |

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Sample : VX0216WBS01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

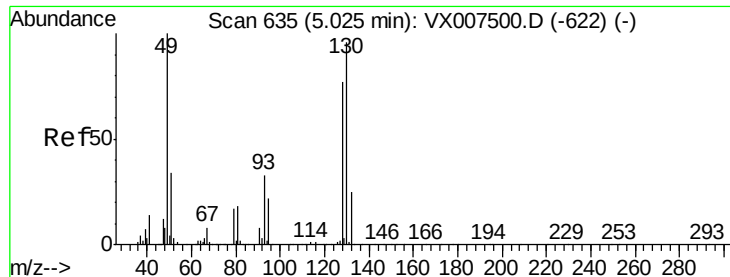
Quant Time: Feb 16 03:41:04 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Feb 13 07:51:18 2019  
Response via : Initial Calibration

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

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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :  
MSVOA\_W  
ClientSampled :

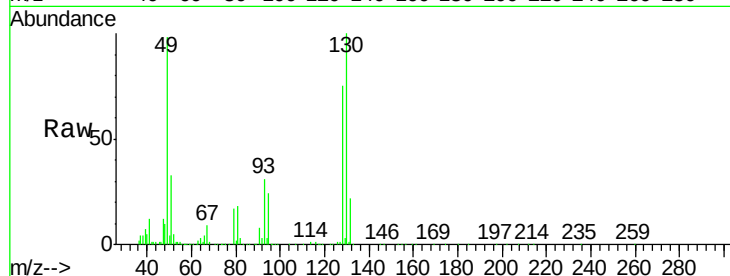
Tot Ion:128 Resp: 77687

Ion Ratio Lower Upper

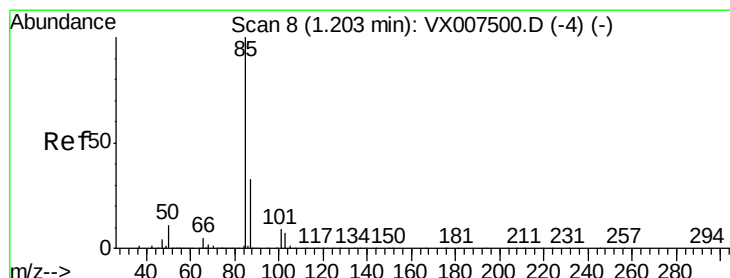
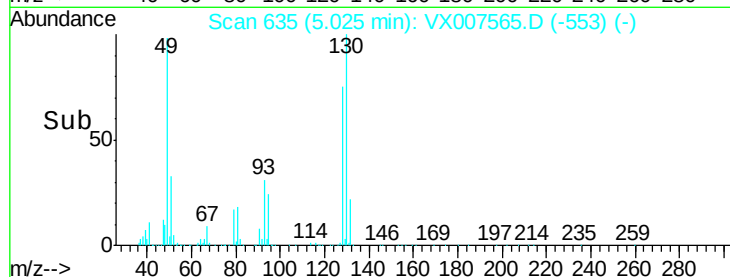
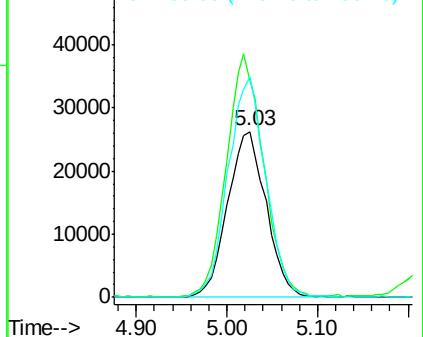
128 100

49 140.4 0.0 350.8

130 129.9 0.0 325.8



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: 20.700 ug/l

RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX007565.D

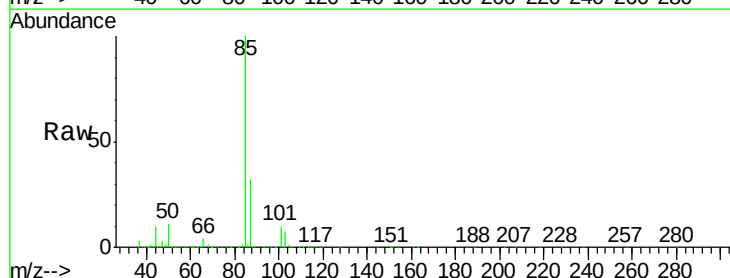
Acq: 15 Feb 2019 13:58

Tgt Ion: 85 Resp: 81435

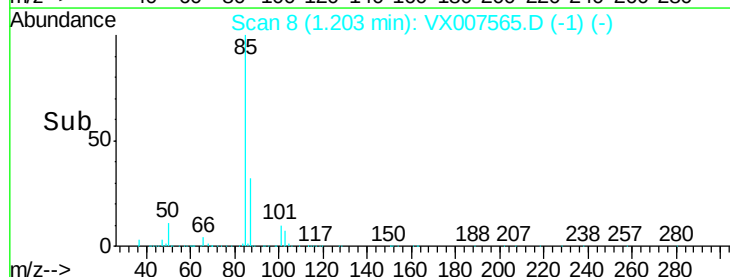
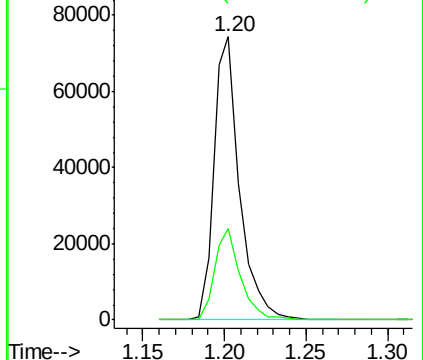
Ion Ratio Lower Upper

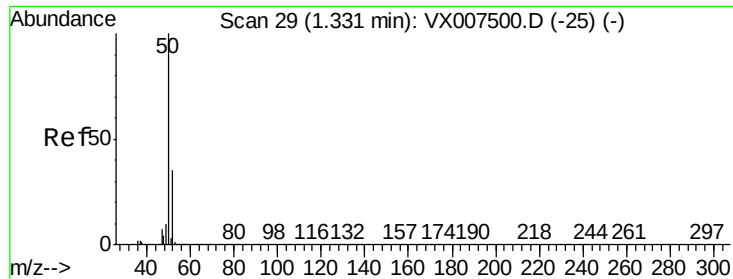
85 100

87 32.3 16.6 49.8



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

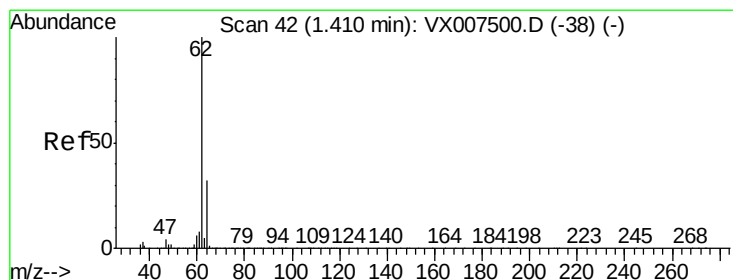
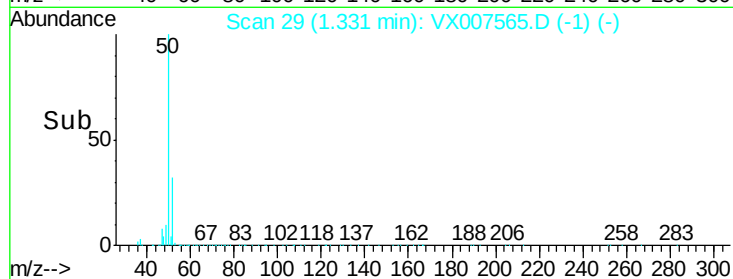
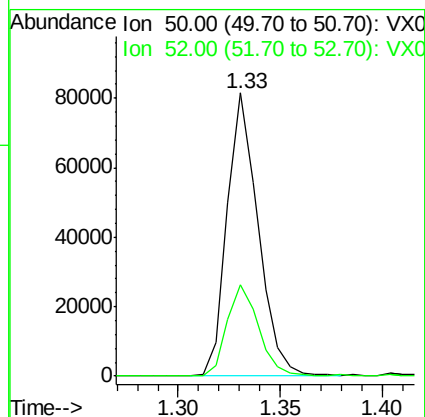
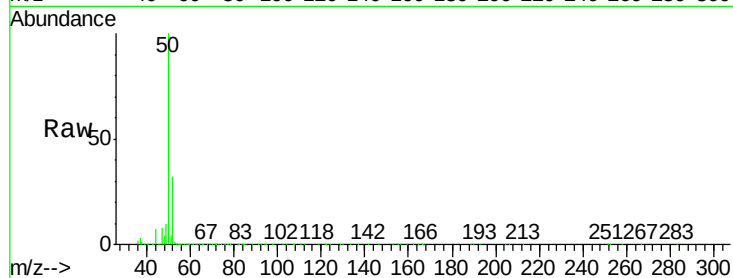




#3  
Chloromethane  
Concen: 19.791 ug/l  
RT: 1.33 min Scan# 29  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

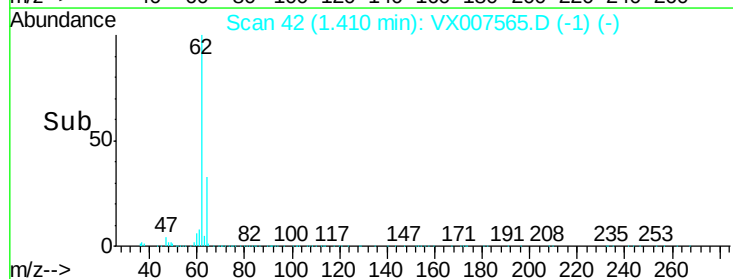
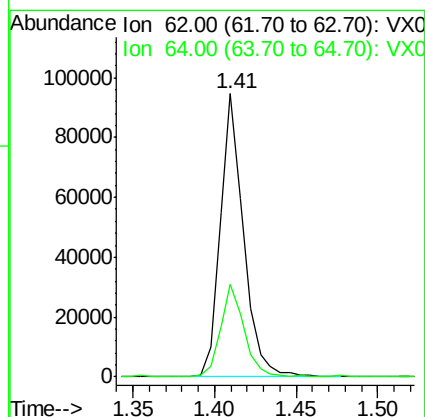
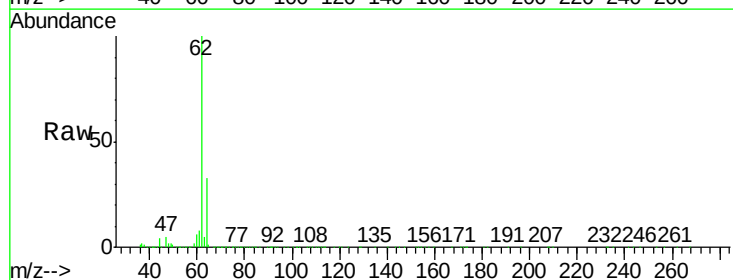
Instrument :  
MSVOA\_W  
ClientSampleId :

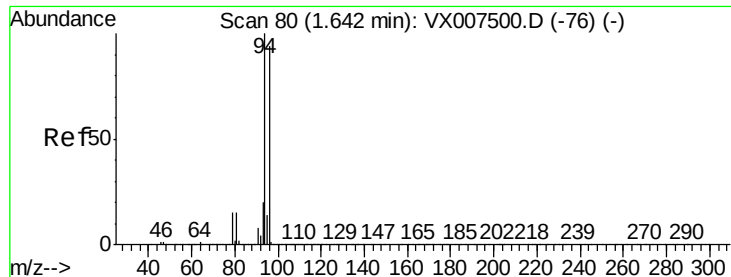
Tot Ion: 50 Resp: 85568  
Ion Ratio Lower Upper  
50 100  
52 32.3 27.5 41.3



#4  
Vinyl Chloride  
Concen: 19.374 ug/l  
RT: 1.41 min Scan# 42  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

Tgt Ion: 62 Resp: 94221  
Ion Ratio Lower Upper  
62 100  
64 32.6 25.9 38.9





#5

Bromomethane

Concen: 18.714 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

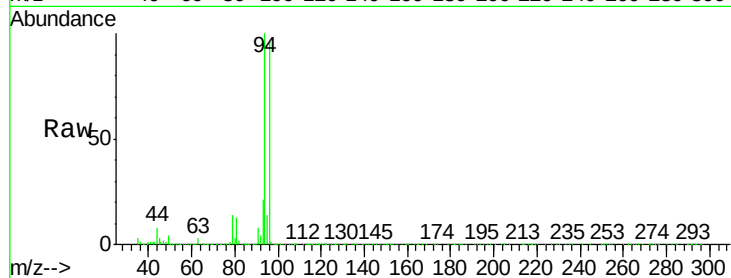
ClientSampleId :

Tot Ion: 94 Resp: 81273

Ion Ratio Lower Upper

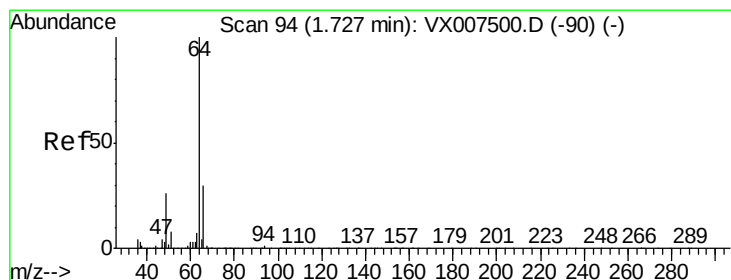
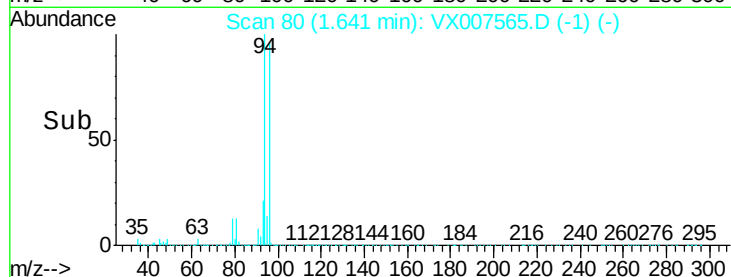
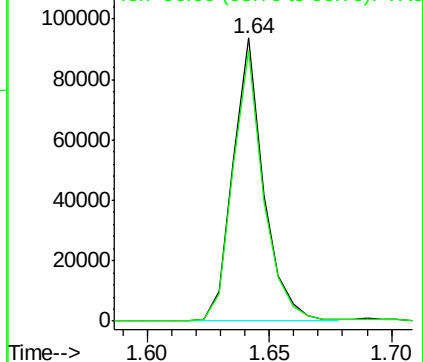
94 100

96 95.5 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.390 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX007565.D

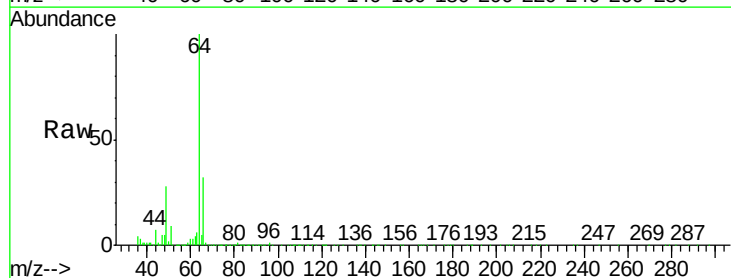
Acq: 15 Feb 2019 13:58

Tgt Ion: 64 Resp: 60794

Ion Ratio Lower Upper

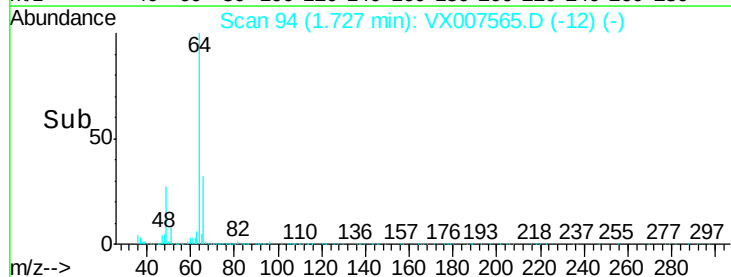
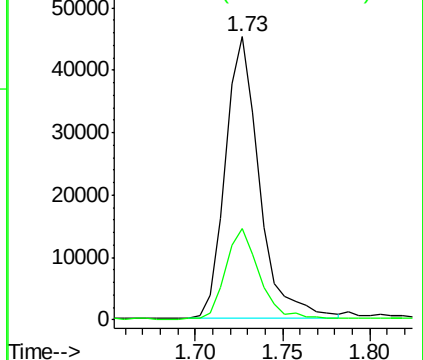
64 100

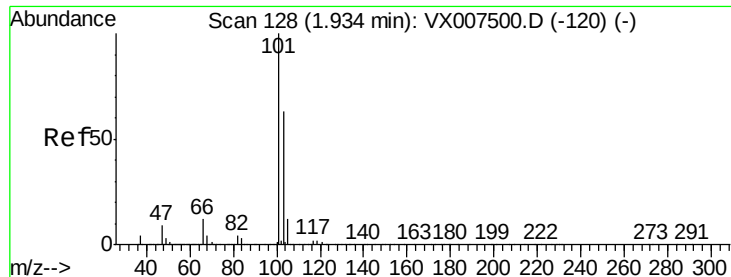
66 32.1 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



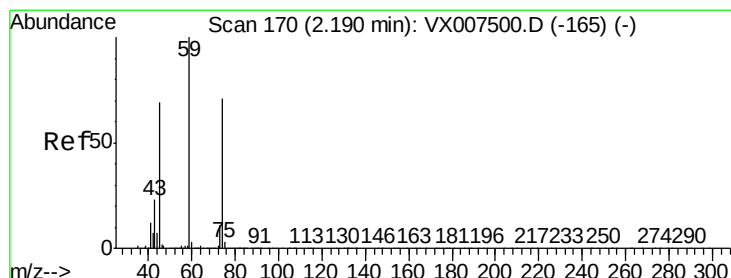
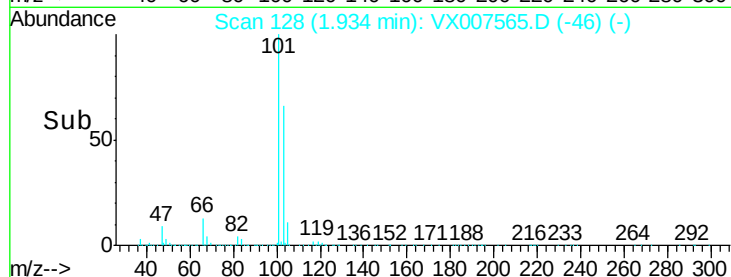
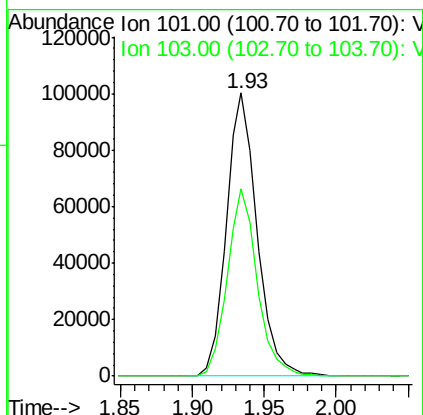
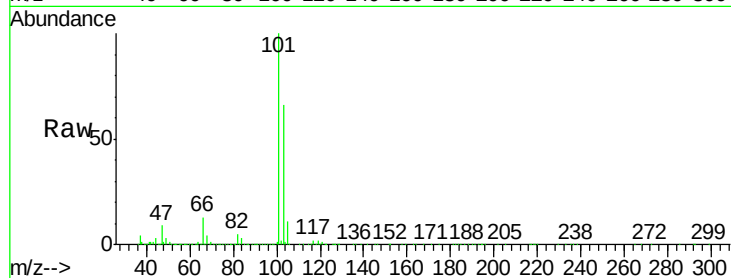


#7

Trichlorofluoromethane  
Concen: 19.608 ug/l  
RT: 1.93 min Scan# 128  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

Instrument :  
MSVOA\_W  
ClientSampled :

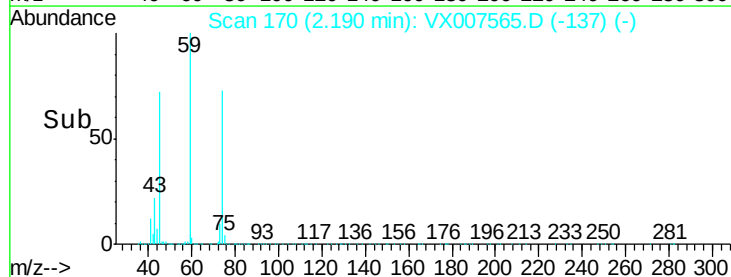
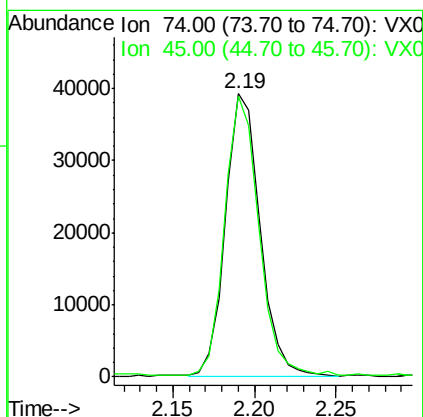
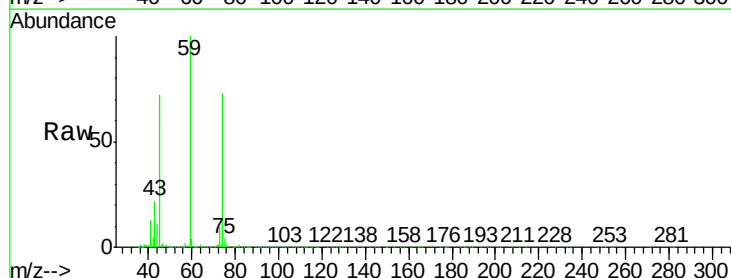
Tot Ion:101 Resp: 149483  
Ion Ratio Lower Upper  
101 100  
103 66.1 50.4 75.6



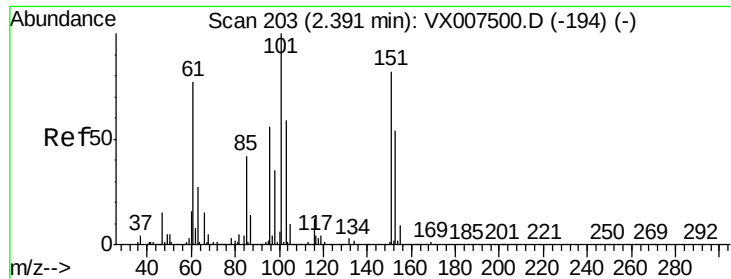
#8

Diethyl Ether  
Concen: 19.152 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

Tgt Ion: 74 Resp: 58324  
Ion Ratio Lower Upper  
74 100  
45 96.8 18.6 167.8







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.596 ug/l

RT: 2.39 min Scan# 203

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

ClientSampleId :

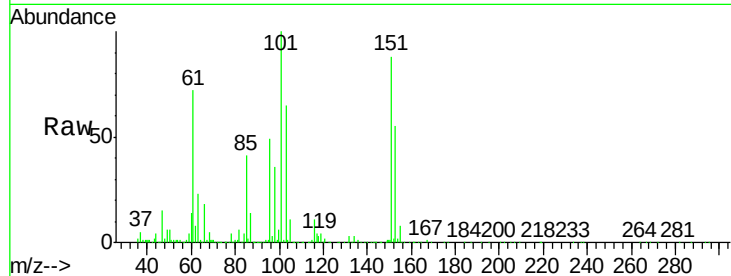
Tot Ion:101 Resp: 88585

Ion Ratio Lower Upper

101 100

85 43.8 0.0 86.8

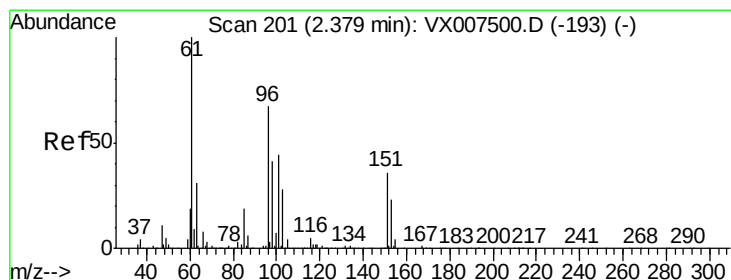
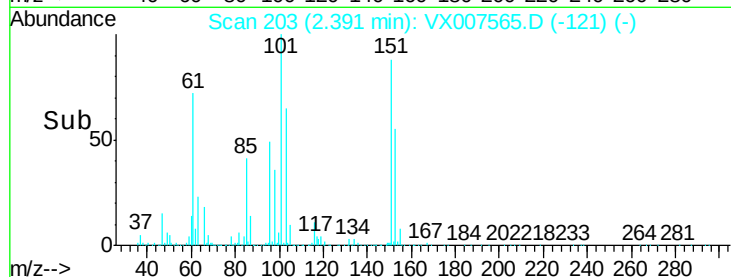
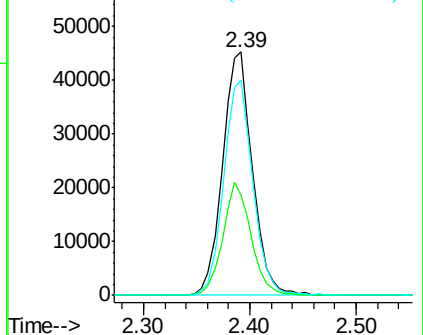
151 86.7 0.0 169.2



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: 19.627 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

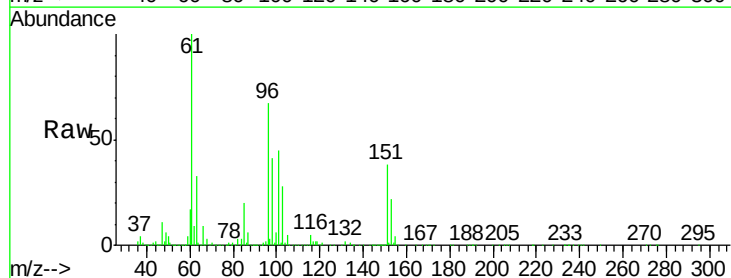
Tgt Ion: 96 Resp: 83769

Ion Ratio Lower Upper

96 100

61 149.5 120.2 180.2

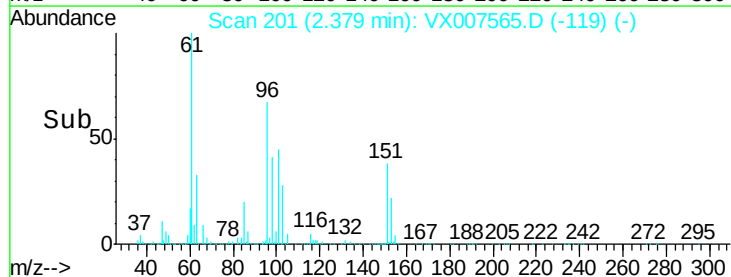
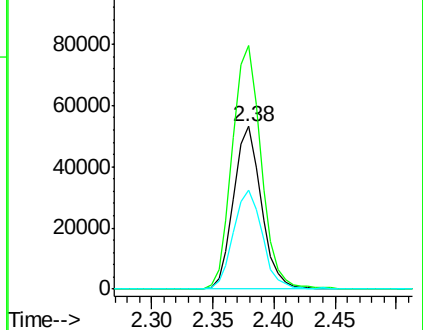
98 61.1 49.0 73.4

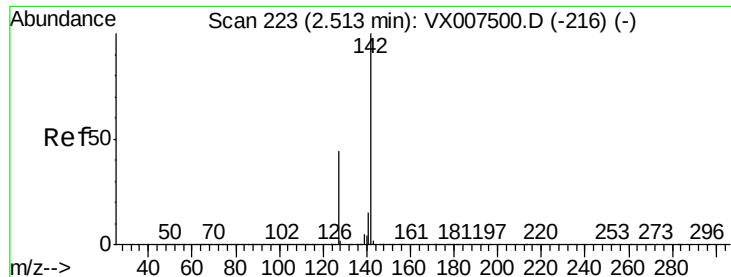


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

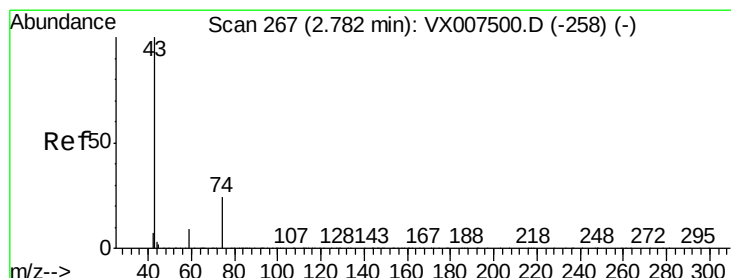
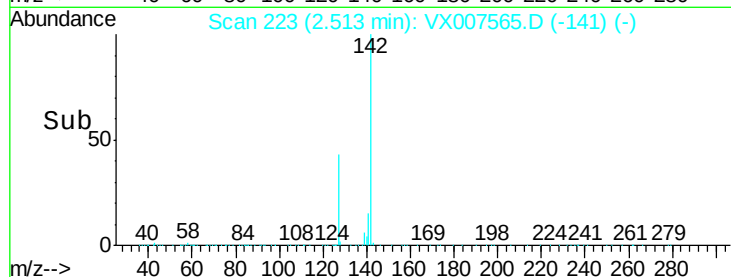
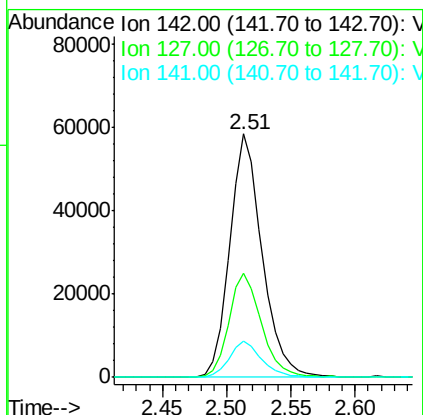
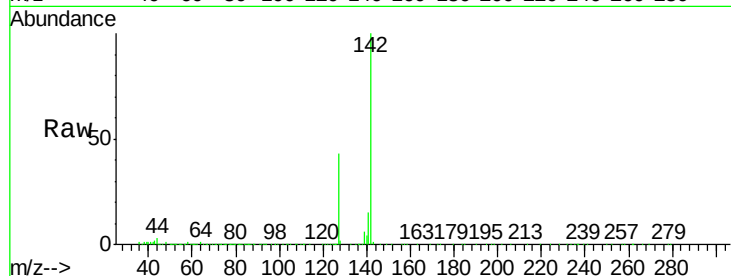




#11  
Methvl Iodide  
Concen: 16.734 ug/l  
RT: 2.51 min Scan# 223  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

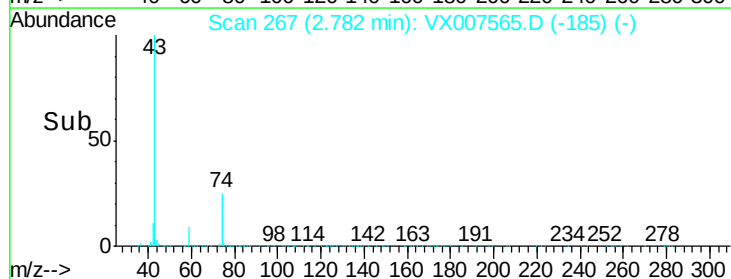
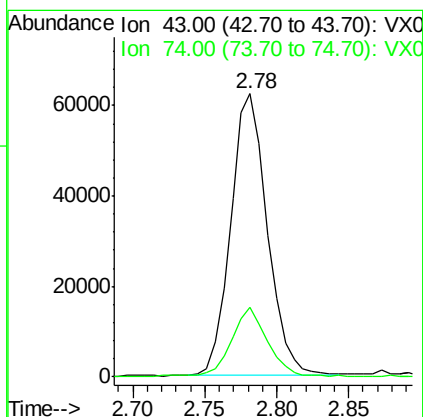
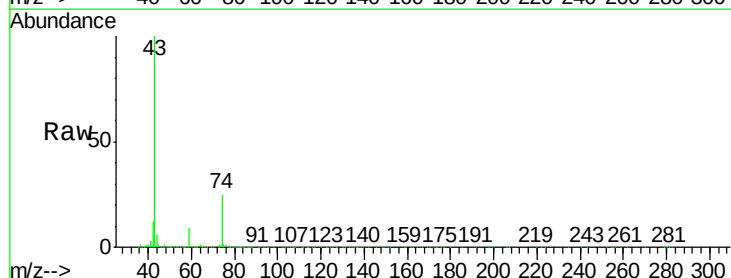
Instrument :  
MSVOA\_W  
ClientSampleId :

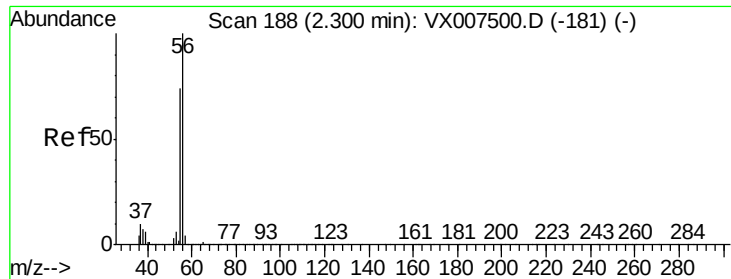
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 42.6  | 22.1  | 66.5  |
| 141     | 14.8  | 7.4   | 22.3  |



#12  
Methyl Acetate  
Concen: 18.753 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.5  | 19.4  | 29.0  |





#13

Acrolein

Concen: 92.441 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

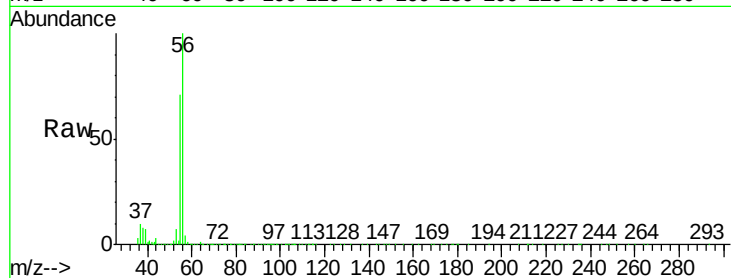
ClientSampleId :

Tot Ion: 56 Resp: 94911

Ion Ratio Lower Upper

56 100

55 72.3 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

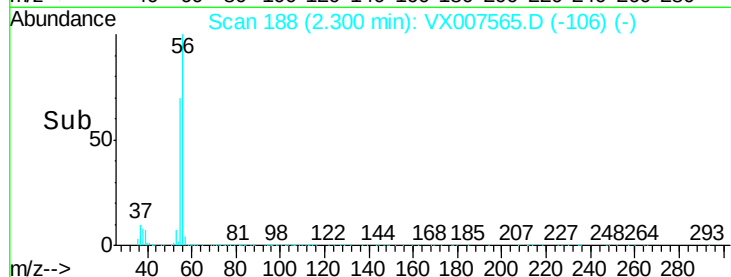
60000

40000

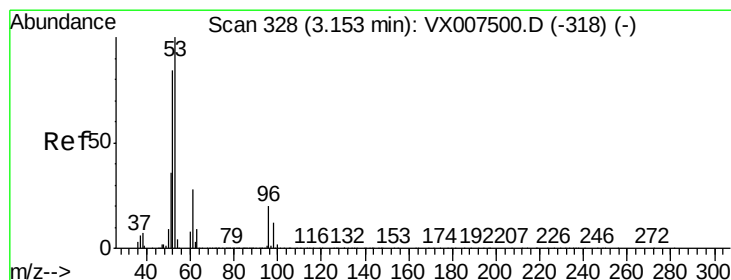
20000

0

Time-->



Time-->



#14

Acrylonitrile

Concen: 97.400 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

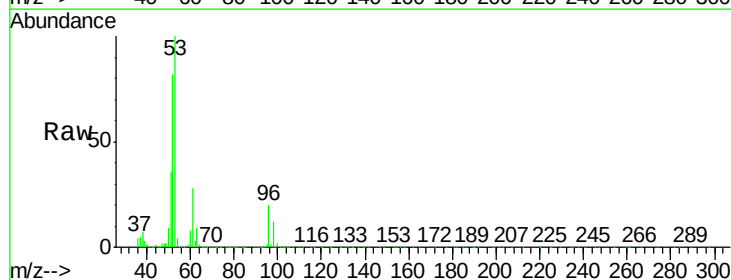
Tgt Ion: 53 Resp: 264147

Ion Ratio Lower Upper

53 100

52 82.8 41.3 124.1

51 36.6 17.5 52.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

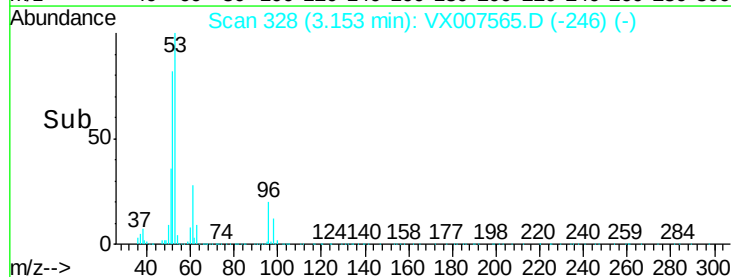
150000

100000

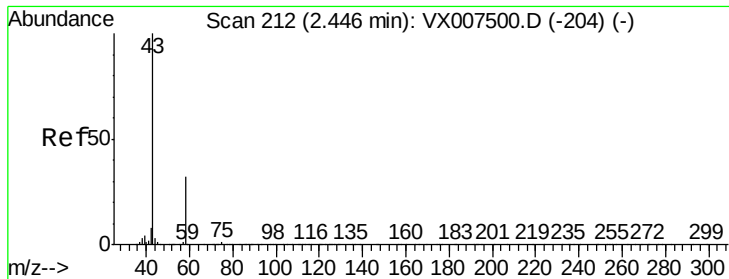
50000

0

Time-->



Time-->



#15

Acetone

Concen: 103.677 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

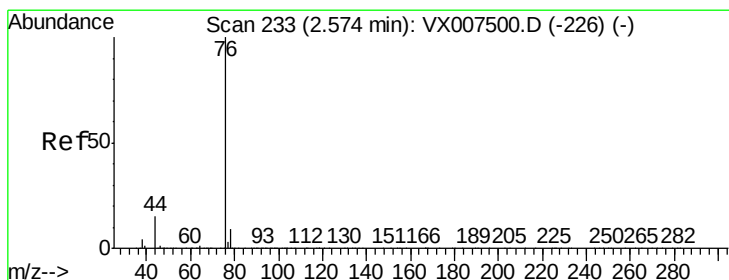
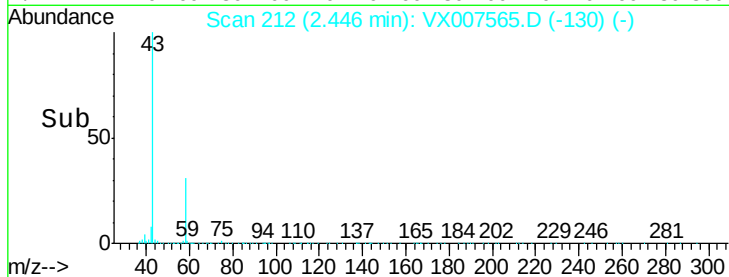
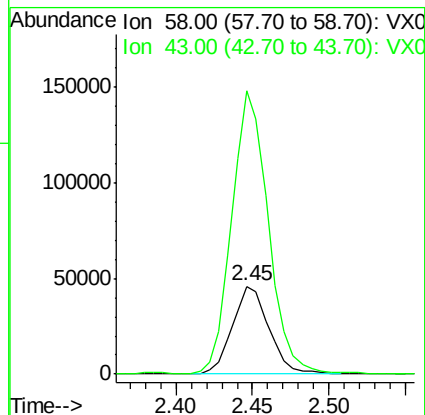
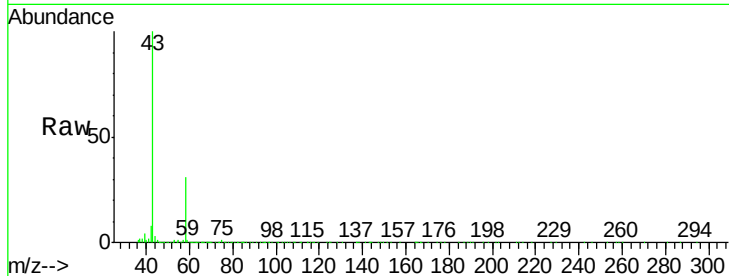
Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 58 Resp: 76307

Ion Ratio Lower Upper

58 100

43 320.0 249.8 374.6



#16

Carbon Disulfide

Concen: 19.284 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007565.D

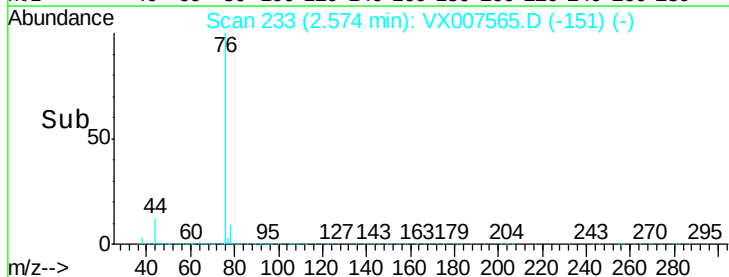
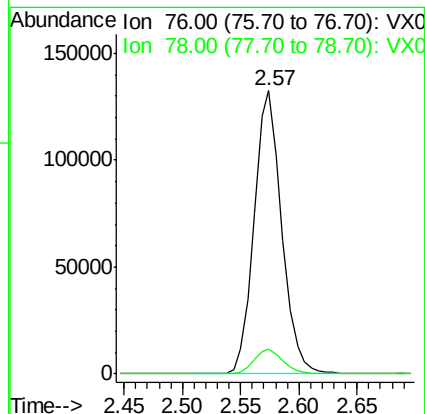
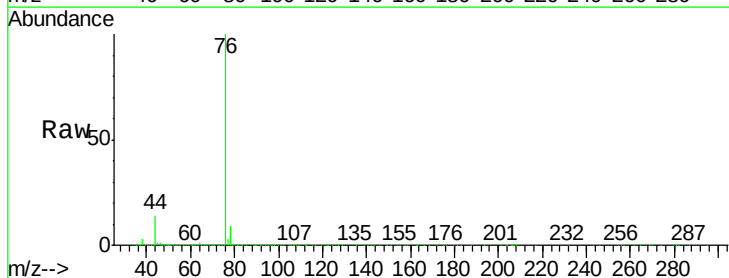
Acq: 15 Feb 2019 13:58

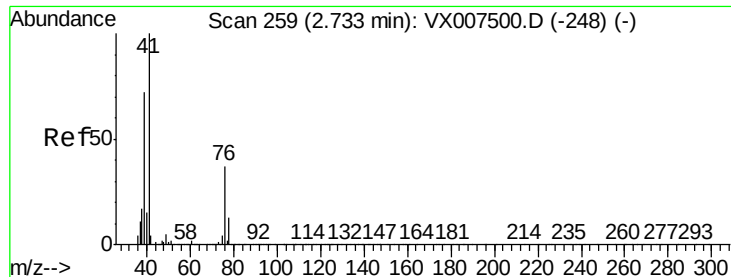
Tgt Ion: 76 Resp: 218259

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3

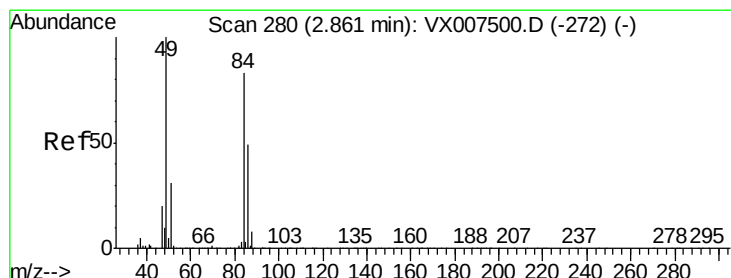
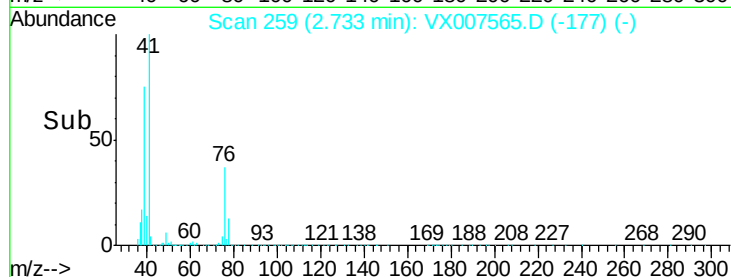
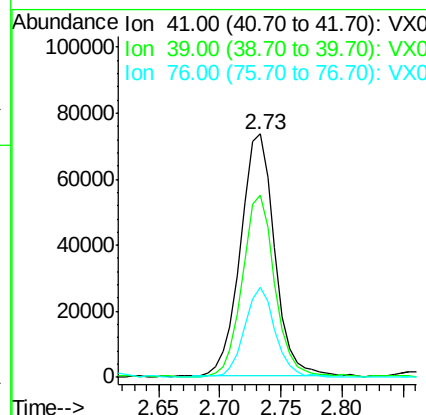
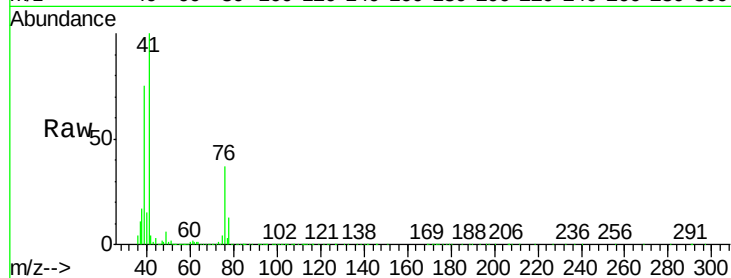




#17  
Allvl chloride  
Concen: 19.501 ug/l  
RT: 2.73 min Scan# 259  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

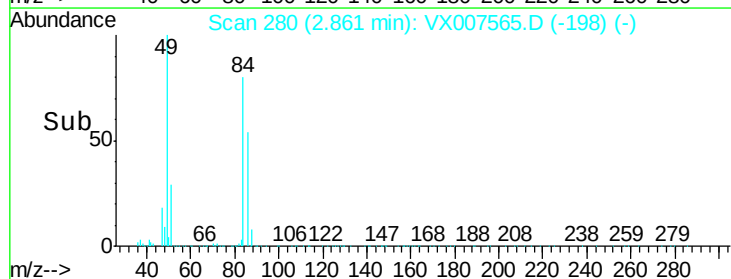
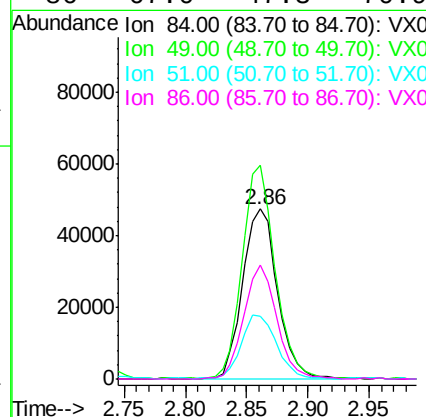
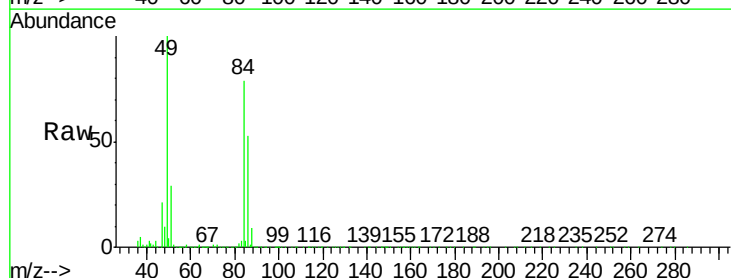
Instrument :  
MSVOA\_W  
ClientSampleId :

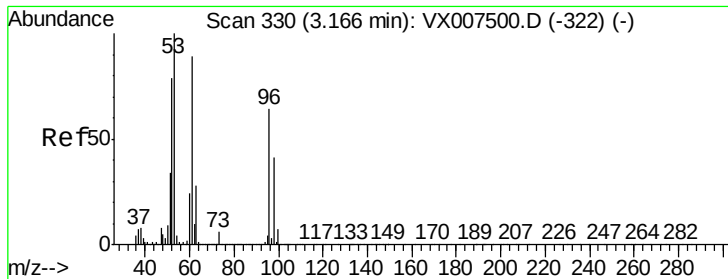
Tot Ion: 41 Resp: 142601  
Ion Ratio Lower Upper  
41 100  
39 74.6 35.8 107.4  
76 36.7 18.3 54.9



#18  
Methylene Chloride  
Concen: 19.562 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

Tgt Ion: 84 Resp: 93893  
Ion Ratio Lower Upper  
84 100  
49 125.2 96.1 144.1  
51 36.7 29.1 43.7  
86 67.0 47.3 70.9





#19

trans-1,2-Dichloroethene

Concen: 19.250 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

ClientSampled :

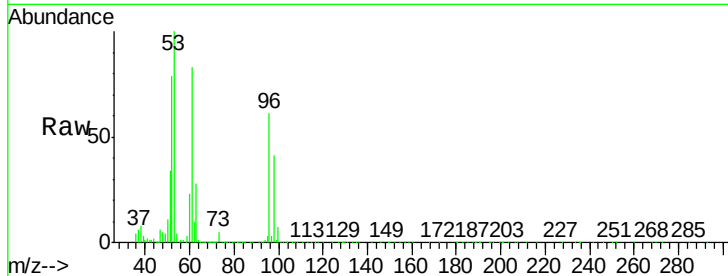
Tot Ion: 96 Resp: 87876

Ion Ratio Lower Upper

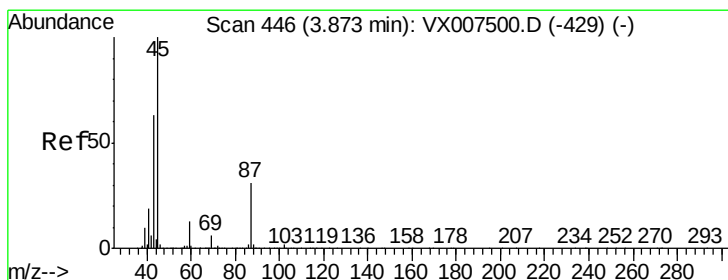
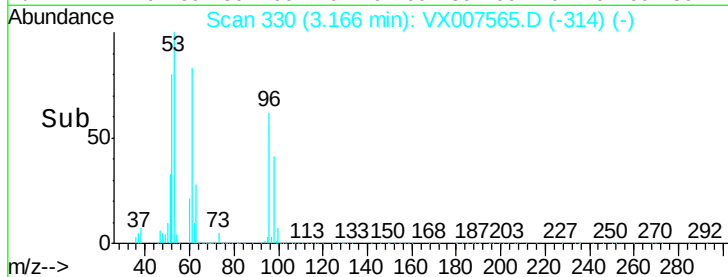
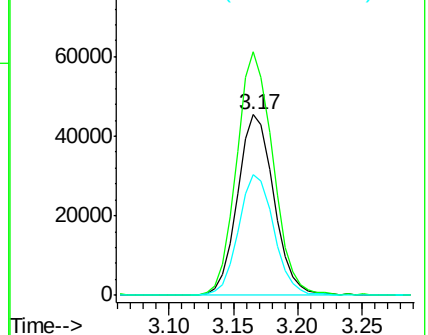
96 100

61 135.1 109.9 164.9

98 66.9 50.4 75.6



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: 19.644 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Tgt Ion: 45 Resp: 271468

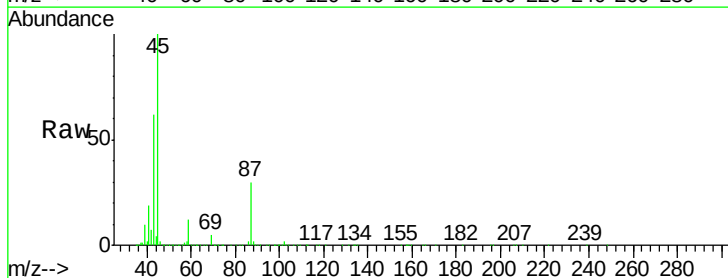
Ion Ratio Lower Upper

45 100

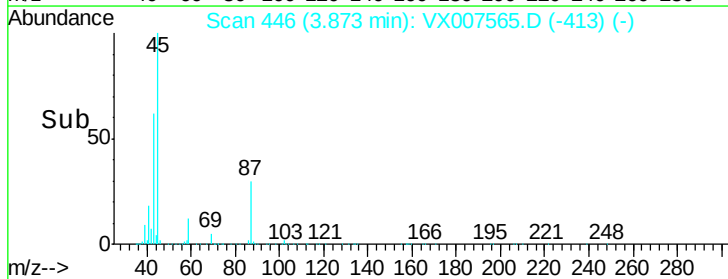
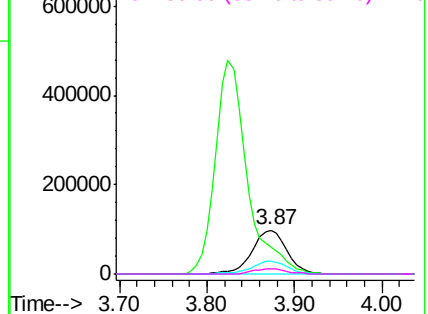
43 61.8 50.6 76.0

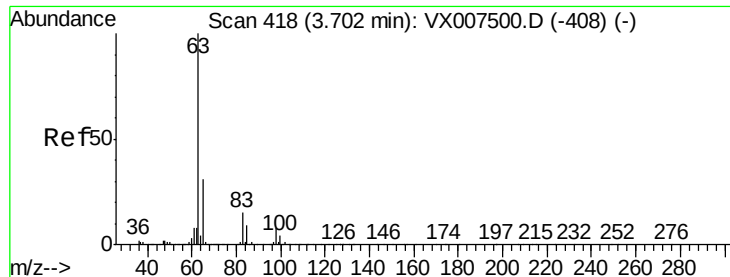
87 30.2 24.5 36.7

59 12.1 10.2 15.2



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: 20.315 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :  
MSVOA\_W  
ClientSampleId :

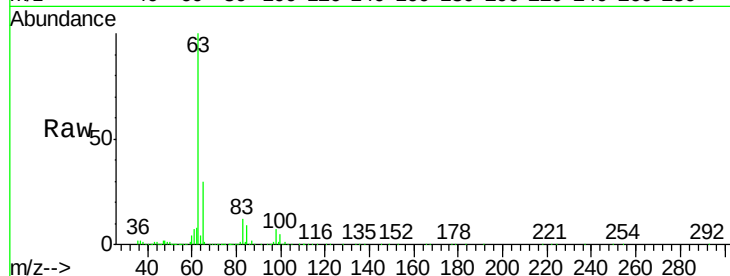
Tot Ion: 63 Resp: 157393

Ion Ratio Lower Upper

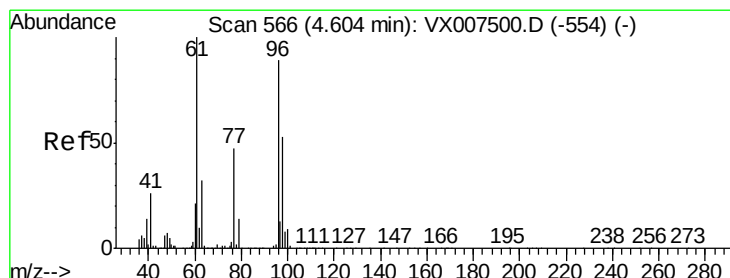
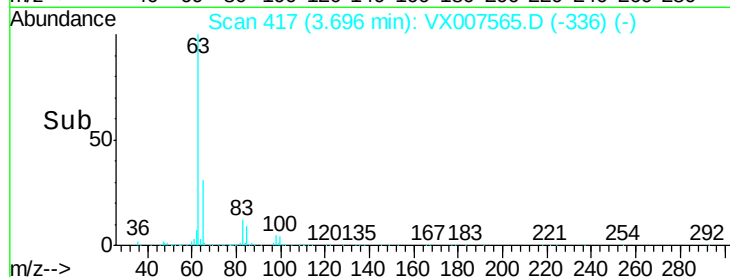
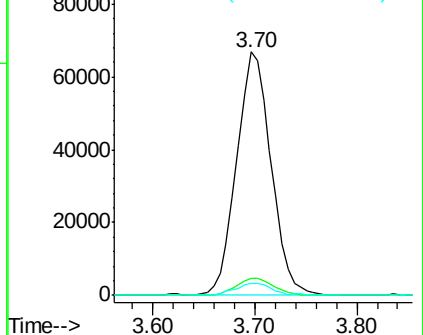
63 100

98 6.9 3.8 11.4

100 4.7 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 20.152 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.01 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

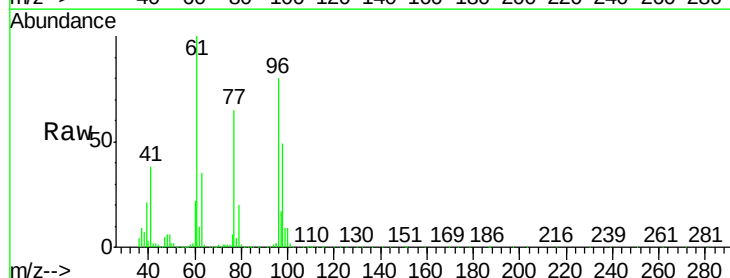
Tgt Ion: 96 Resp: 102375

Ion Ratio Lower Upper

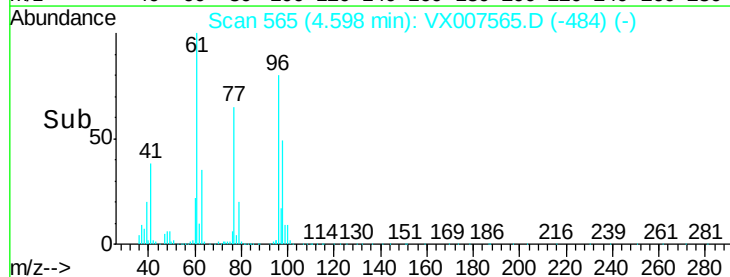
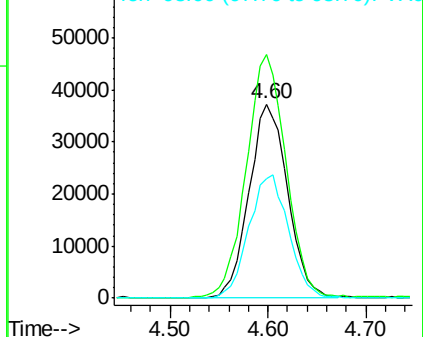
96 100

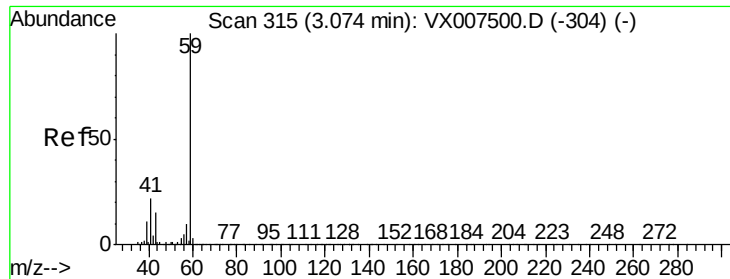
61 128.7 103.5 155.3

98 65.3 52.1 78.1



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



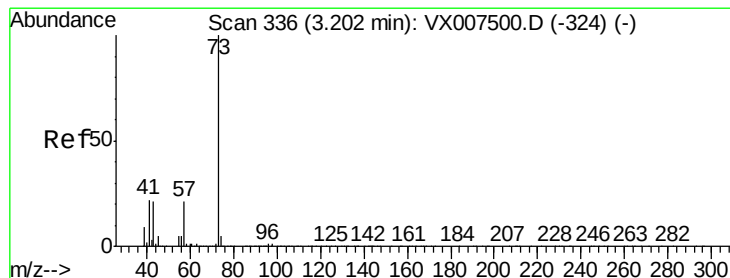
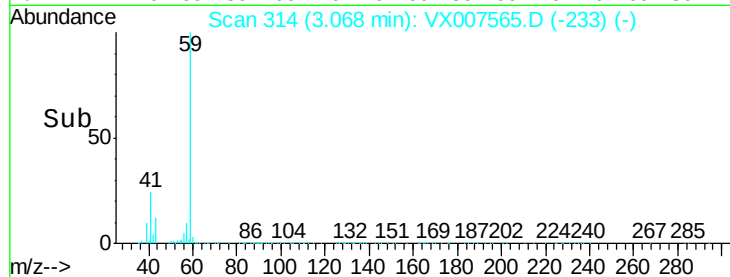
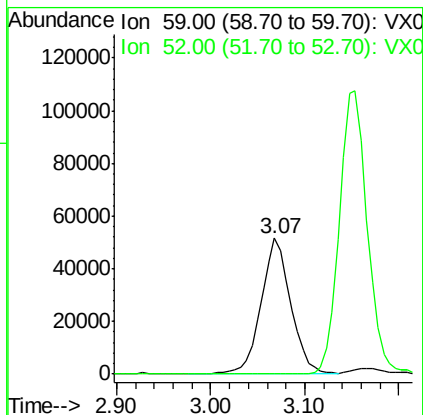
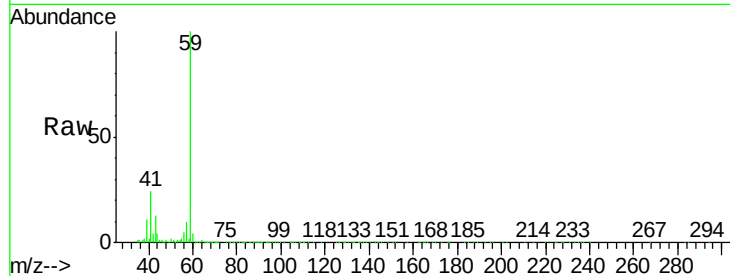


#23

tert-Butyl Alcohol  
 Concen: 99.538 ug/l  
 RT: 3.07 min Scan# 314  
 Delta R.T. -0.01 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

Instrument :  
 MSVOA\_W  
 ClientSampled :

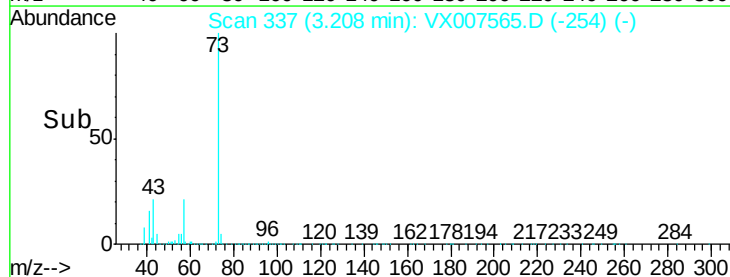
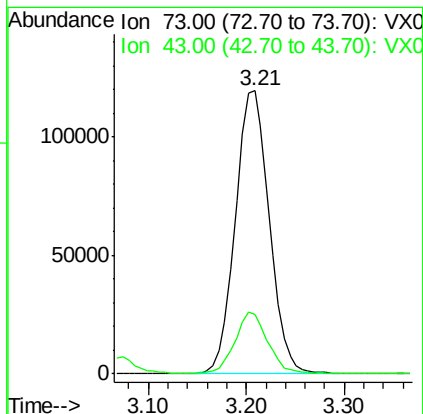
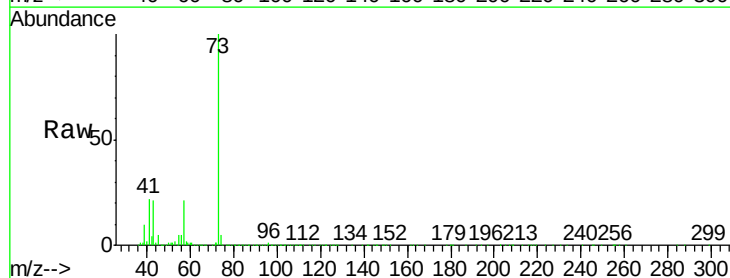
Tot Ion: 59 Resp: 113461  
 Ion Ratio Lower Upper  
 59 100  
 52 0.3 0.2 0.2#



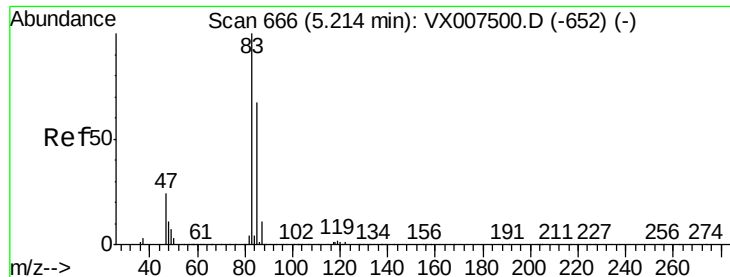
#24

Methyl tert-Butyl Ether  
 Concen: 19.368 ug/l  
 RT: 3.21 min Scan# 337  
 Delta R.T. 0.01 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

Tgt Ion: 73 Resp: 286866  
 Ion Ratio Lower Upper  
 73 100  
 43 20.8 17.1 25.7







#25

Chloroform

Concen: 19.674 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

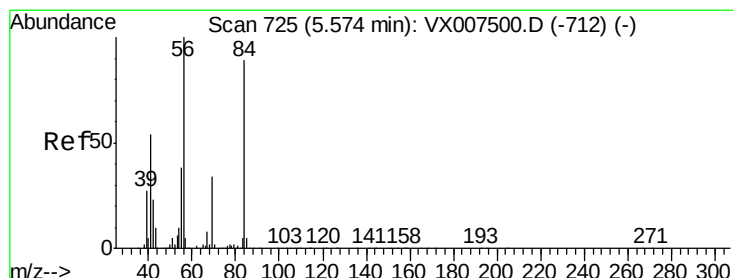
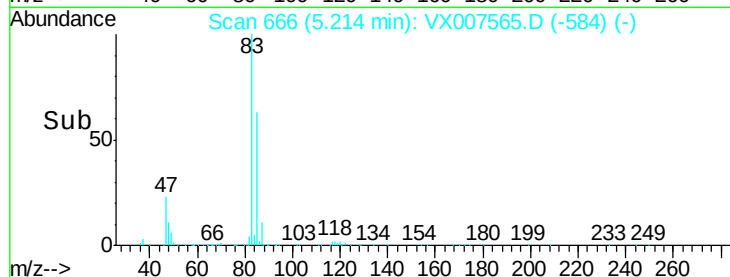
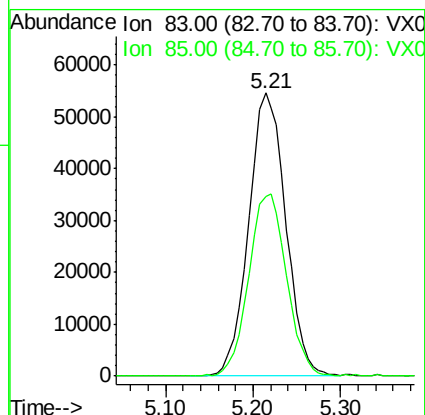
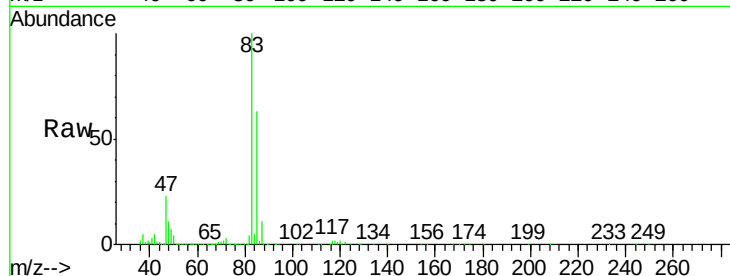
Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 83 Resp: 160986

Ion Ratio Lower Upper

83 100

85 63.3 53.8 80.6



#26

Cyclohexane

Concen: 20.641 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

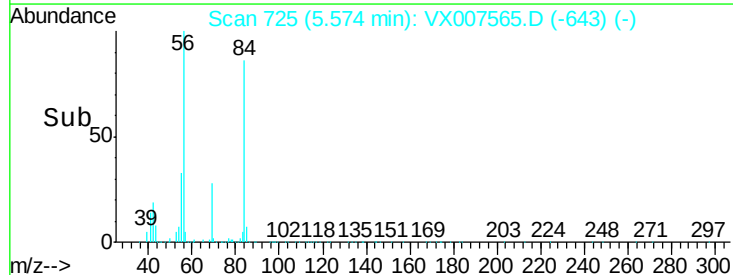
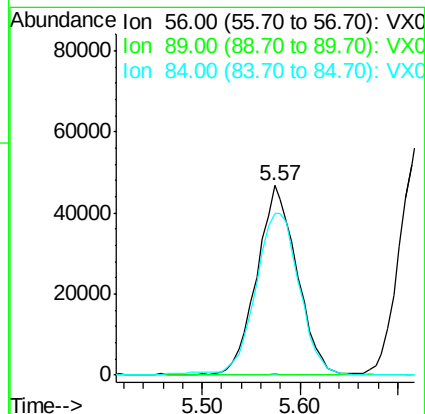
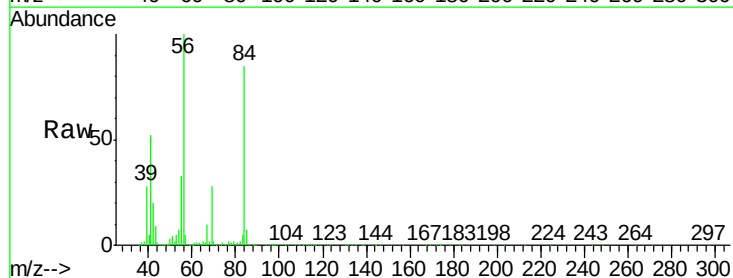
Tgt Ion: 56 Resp: 134095

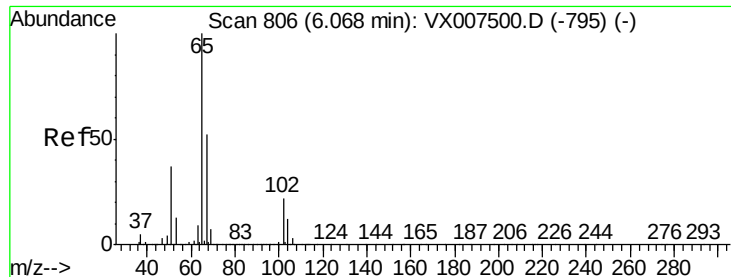
Ion Ratio Lower Upper

56 100

89 0.2 0.0 0.0#

84 92.7 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 29.587 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

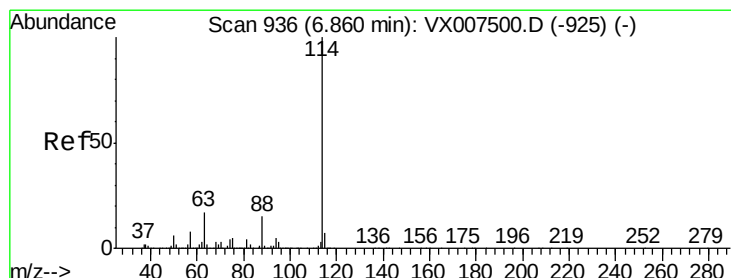
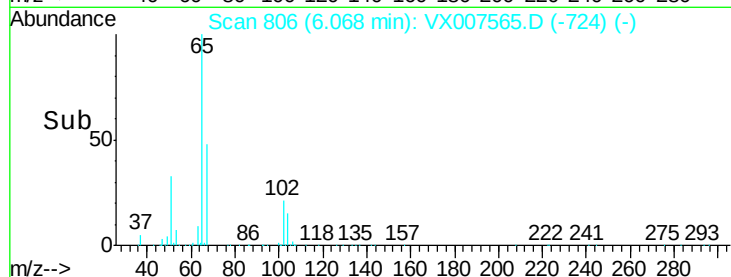
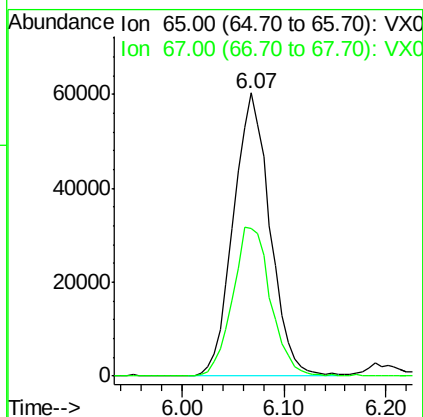
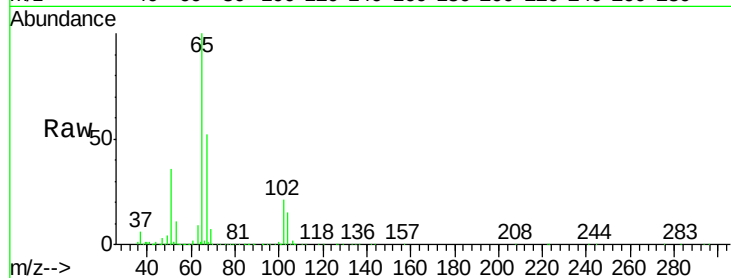
ClientSampleId :

Tot Ion: 65 Resp: 148687

Ion Ratio Lower Upper

65 100

67 55.1 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

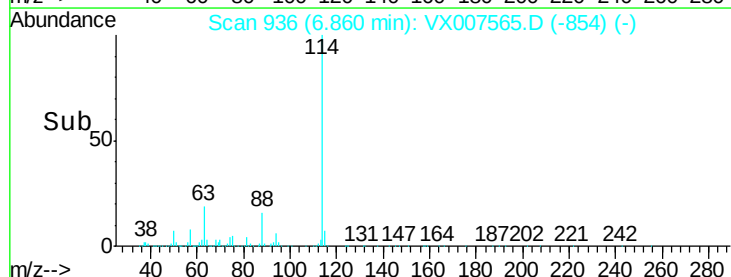
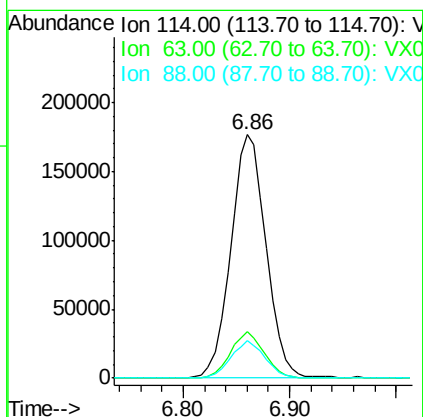
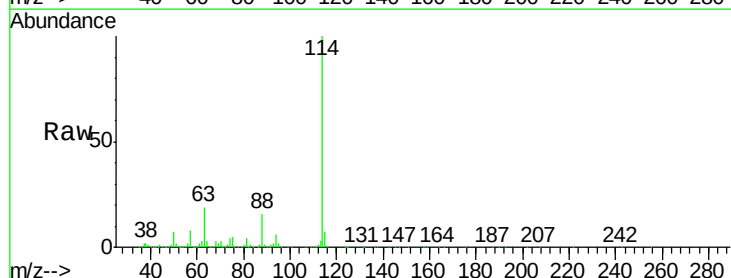
Tgt Ion: 114 Resp: 408747

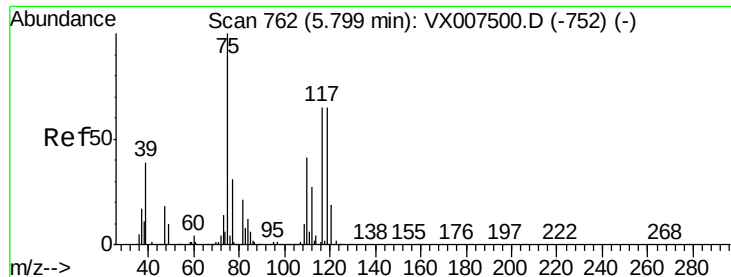
Ion Ratio Lower Upper

114 100

63 18.5 14.2 21.4

88 14.9 11.9 17.9

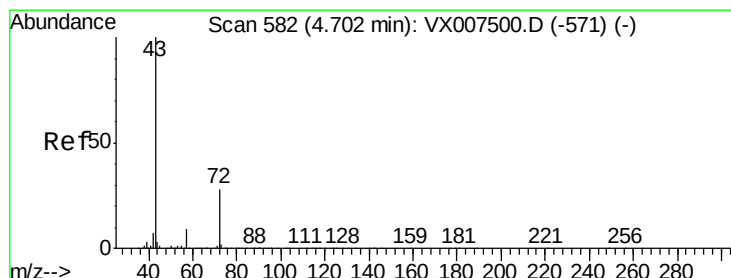
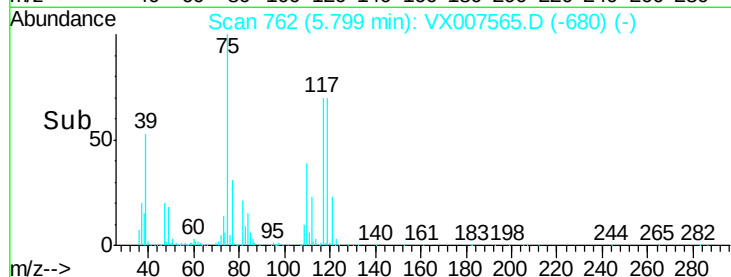
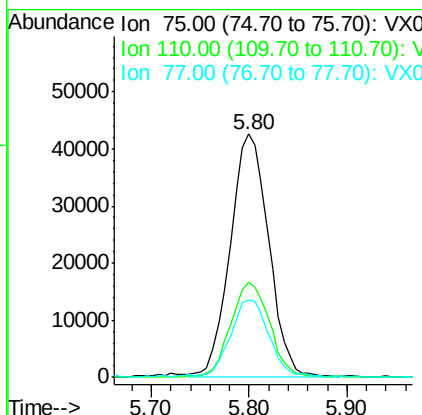
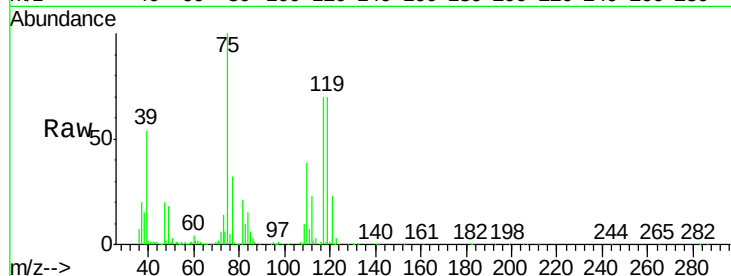




#29  
 1,1-Dichloropropene  
 Concen: 20.387 ug/l  
 RT: 5.80 min Scan# 762  
 Delta R.T. -0.00 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

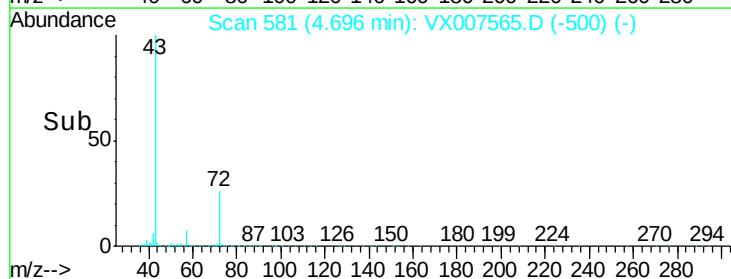
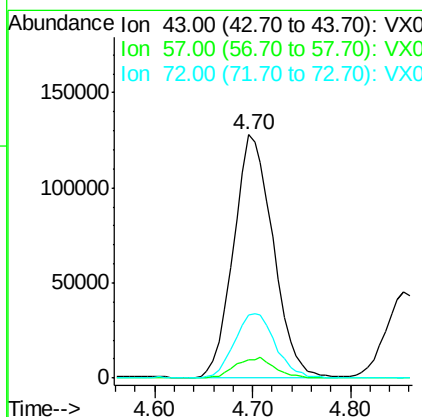
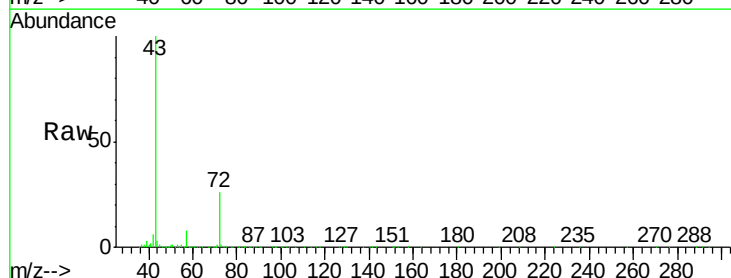
Instrument :  
 MSVOA\_W  
 ClientSampled :

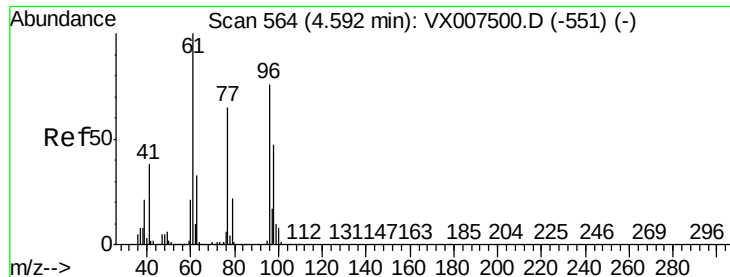
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 39.5  | 0.0   | 80.8  |
| 77      | 29.8  | 0.0   | 62.4  |



#30  
 2-Butanone  
 Concen: 105.994 ug/l  
 RT: 4.70 min Scan# 581  
 Delta R.T. -0.01 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 8.3   | 7.0   | 10.6  |
| 72      | 27.4  | 21.5  | 32.3  |





#31

2,2-Dichloropropane

Concen: 23.785 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

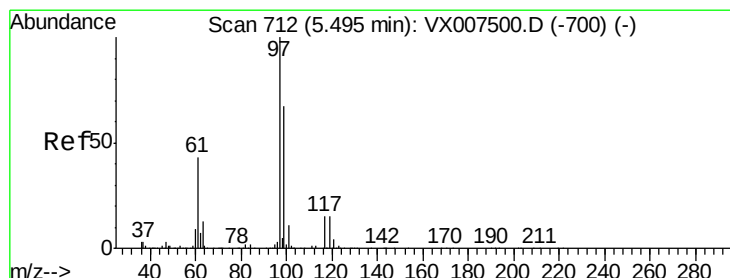
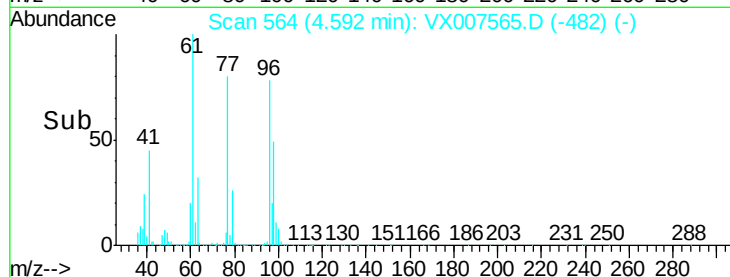
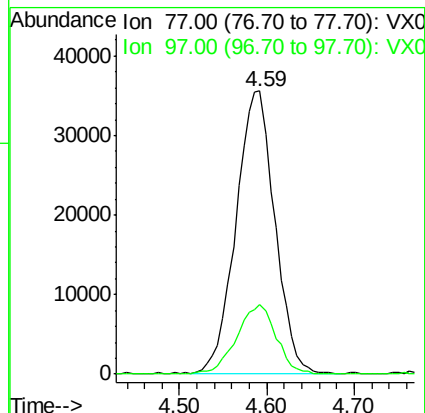
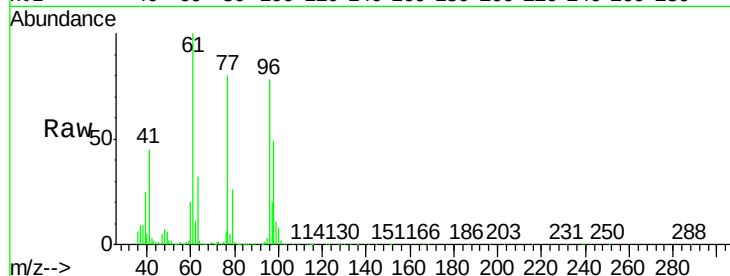
ClientSampleId :

Tot Ion: 77 Resp: 110178

Ion Ratio Lower Upper

77 100

97 24.9 20.6 31.0



#32

1,1,1-Trichloroethane

Concen: 20.157 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

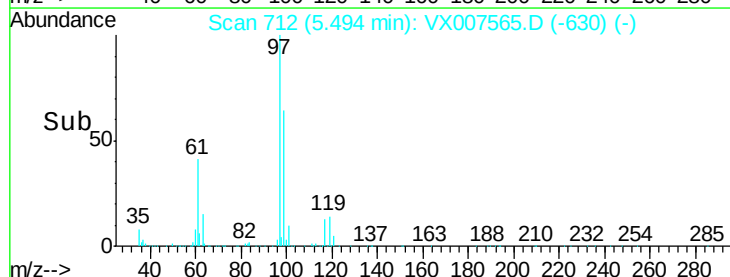
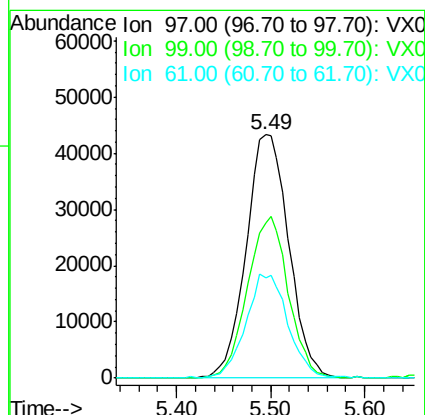
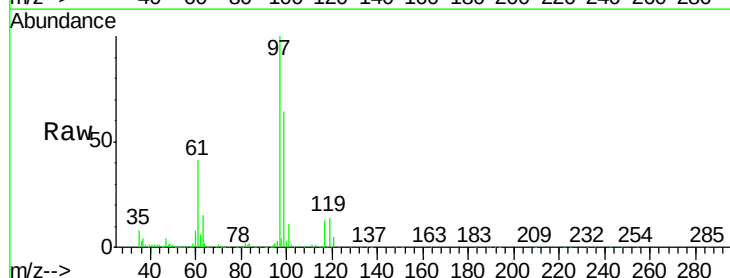
Tgt Ion: 97 Resp: 137365

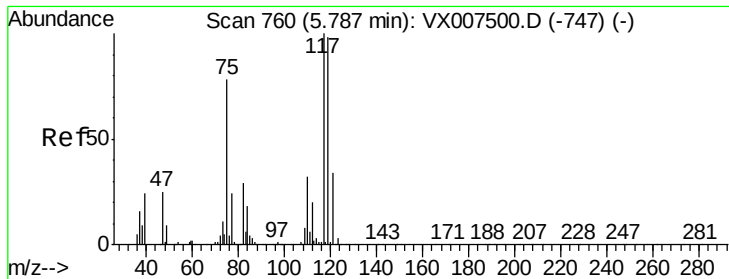
Ion Ratio Lower Upper

97 100

99 63.8 51.7 77.5

61 41.5 32.8 49.2





#33

Carbon Tetrachloride

Concen: 20.083 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

ClientSampled :

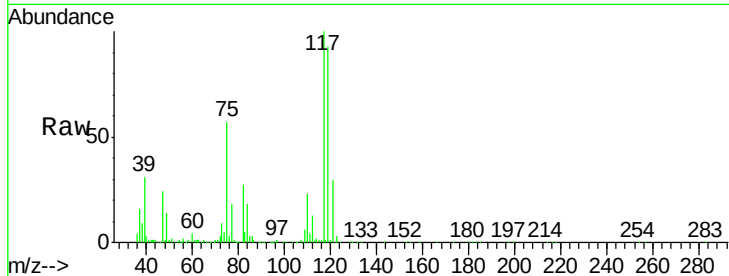
Tot Ion:117 Resp: 120985

Ion Ratio Lower Upper

117 100

119 93.2 78.1 117.1

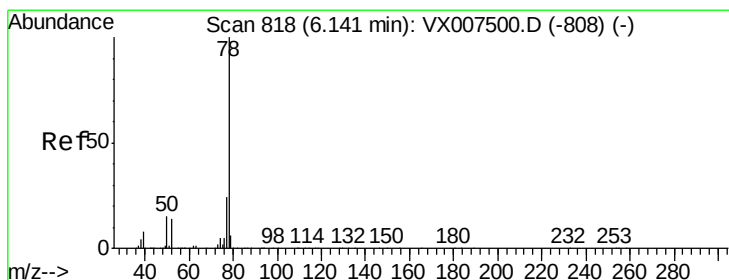
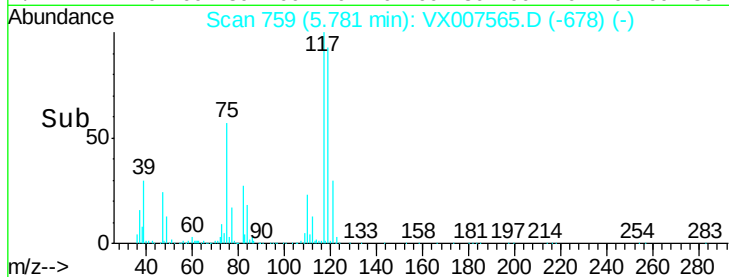
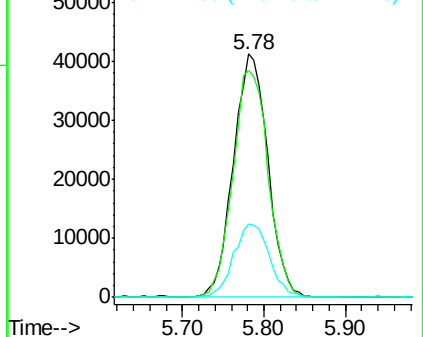
121 30.4 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.810 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

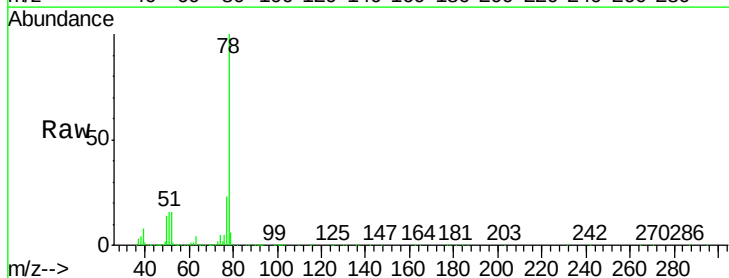
Tgt Ion: 78 Resp: 356072

Ion Ratio Lower Upper

78 100

77 22.8 19.1 28.7

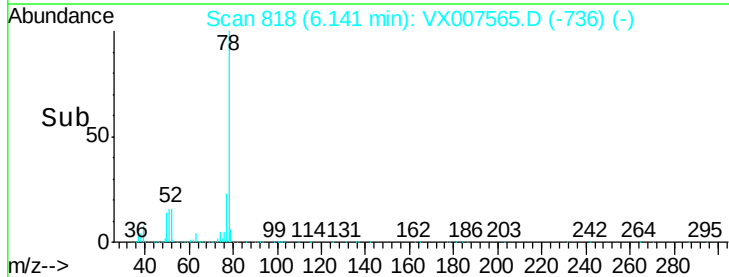
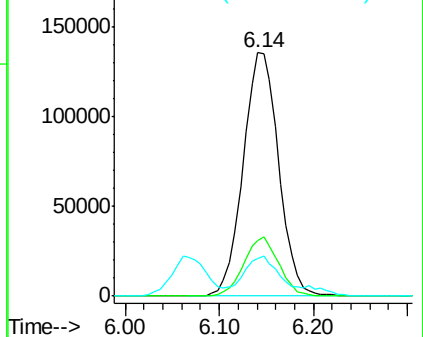
51 14.8 10.8 16.2

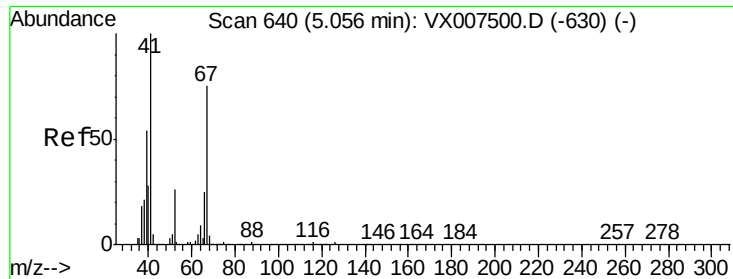


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

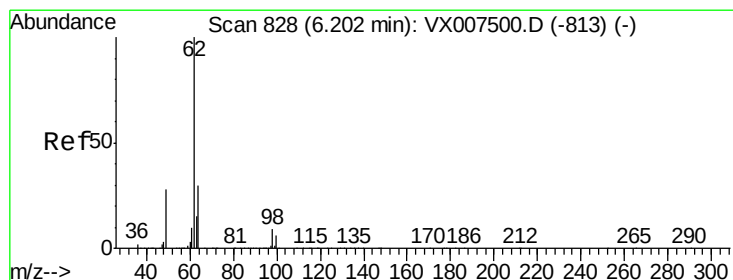
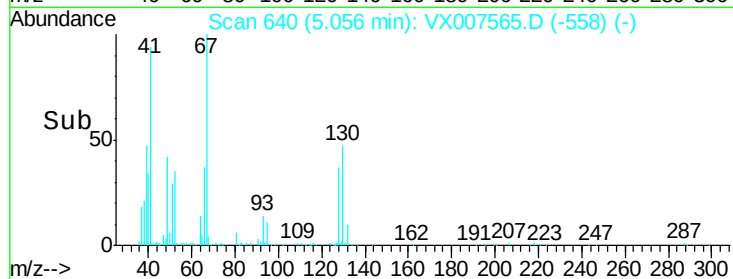
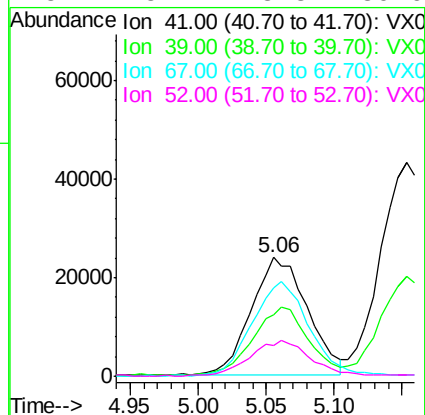
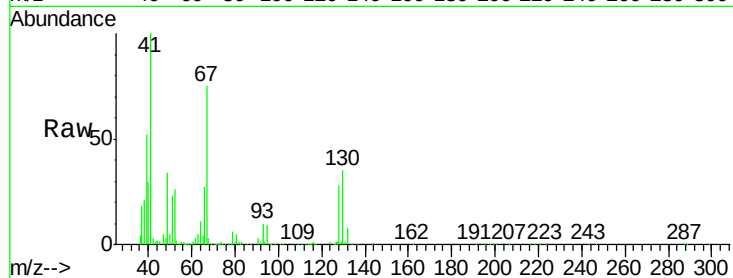




#35  
Methacrylonitrile  
Concen: 19.600 ug/l  
RT: 5.06 min Scan# 640  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

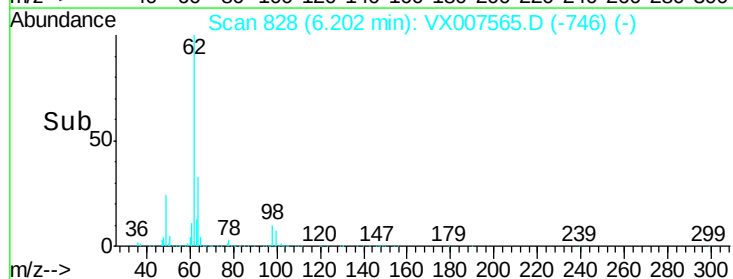
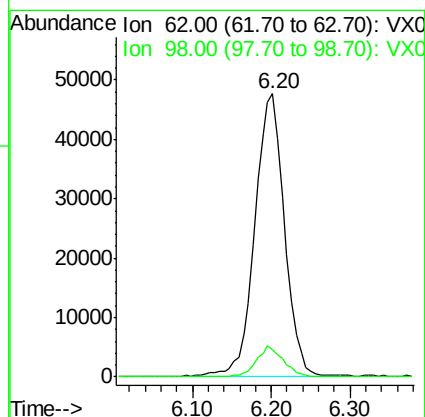
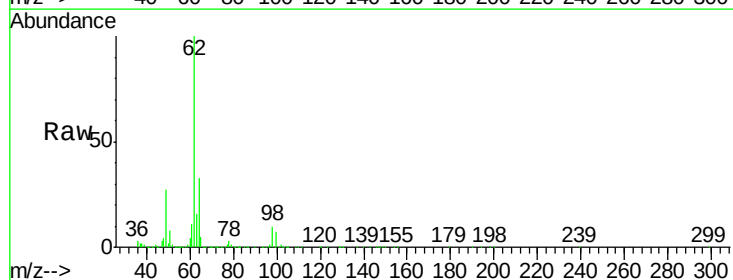
Instrument :  
MSVOA\_W  
ClientSampled :

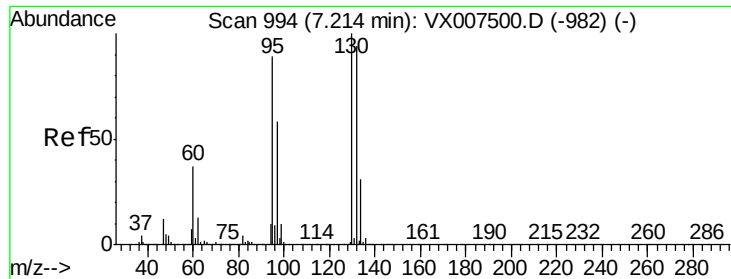
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 68761 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 51.0  | 27.4  | 82.0  |
| 67       | 75.3  | 37.9  | 113.6 |
| 52       | 25.2  | 13.3  | 39.9  |



#36  
1,2-Dichloroethane  
Concen: 20.173 ug/l  
RT: 6.20 min Scan# 828  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 123398 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.1  | 7.8   | 11.8   |





#37

Trichloroethene

Concen: 20.270 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

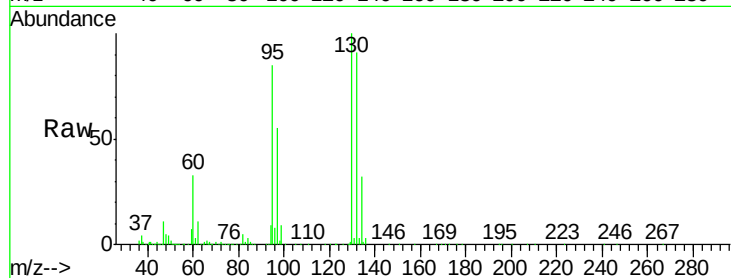
ClientSampled :

Tot Ion:130 Resp: 104748

Ion Ratio Lower Upper

130 100

95 84.6 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

50000

40000

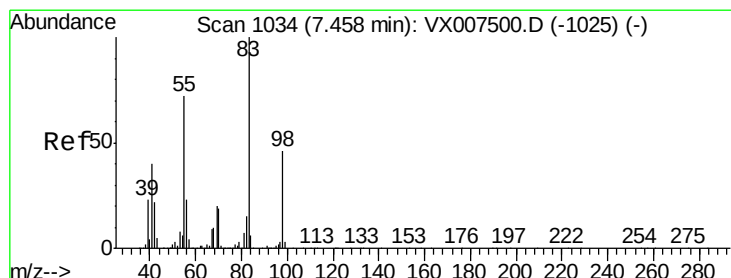
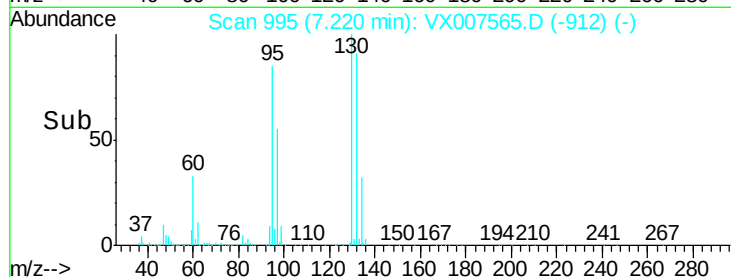
30000

20000

10000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 21.044 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

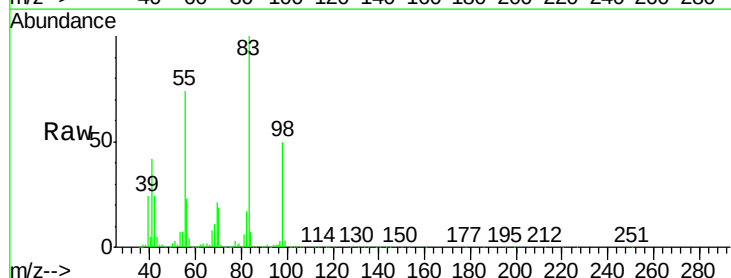
Tgt Ion: 83 Resp: 138892

Ion Ratio Lower Upper

83 100

55 73.4 36.0 108.0

98 48.4 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.46

80000

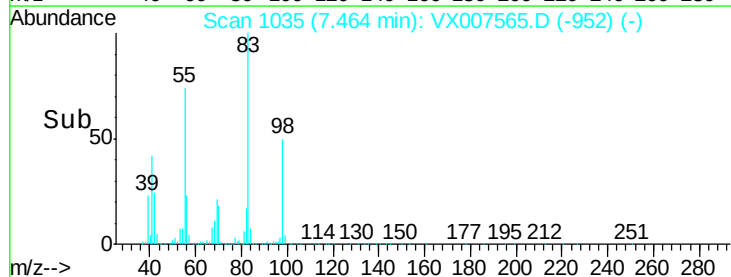
60000

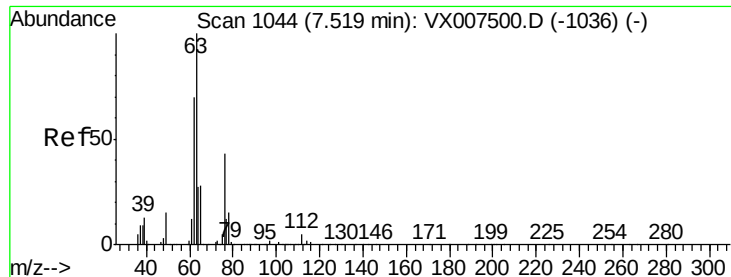
40000

20000

0

Time--> 7.35 7.40 7.45 7.50 7.55

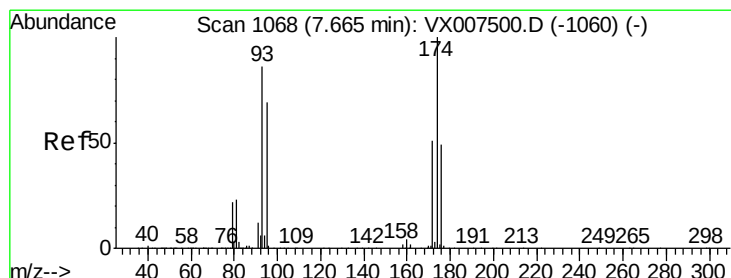
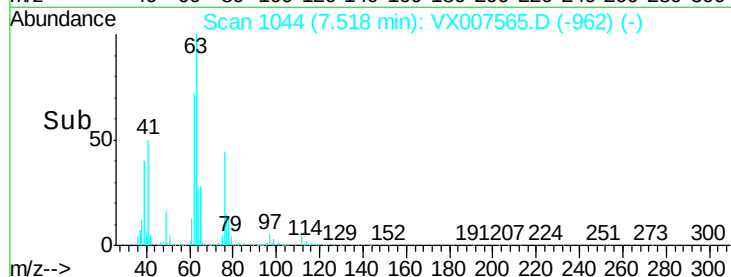
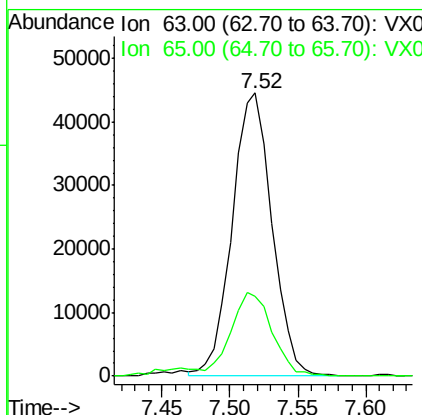
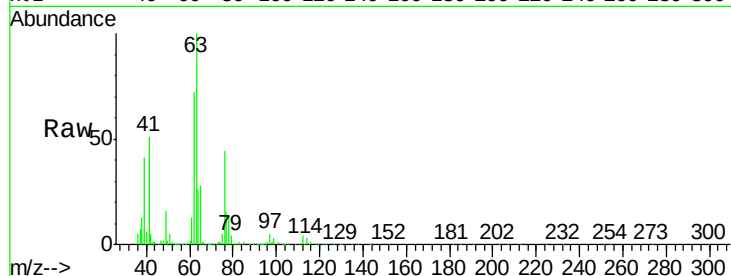




#39  
 1,2-Dichloropropane  
 Concen: 20.288 ug/l  
 RT: 7.52 min Scan# 1044  
 Delta R.T. -0.00 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

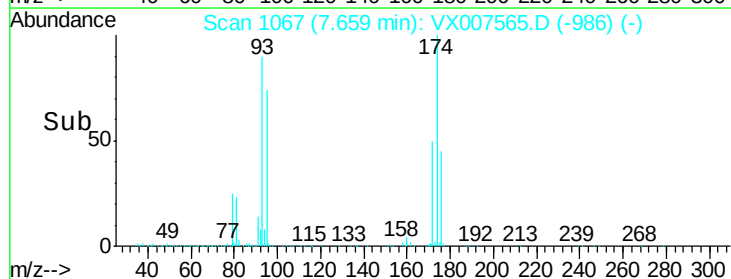
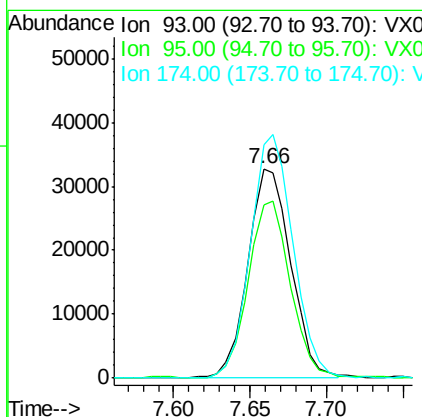
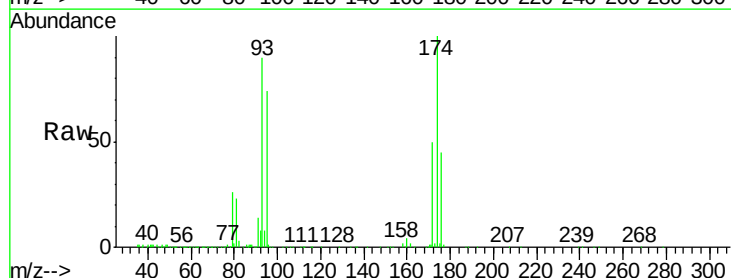
Instrument :  
 MSVOA\_W  
 ClientSampled :

Tot Ion: 63 Resp: 90703  
 Ion Ratio Lower Upper  
 63 100  
 65 28.0 24.6 37.0

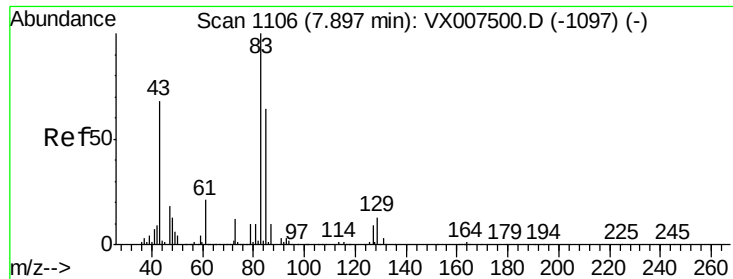


#40  
 Dibromomethane  
 Concen: 19.821 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. -0.01 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

Tgt Ion: 93 Resp: 64001  
 Ion Ratio Lower Upper  
 93 100  
 95 82.5 0.0 158.8  
 174 115.4 0.0 224.2







#41

Bromodichloromethane

Concen: 19.442 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

ClientSampleId :

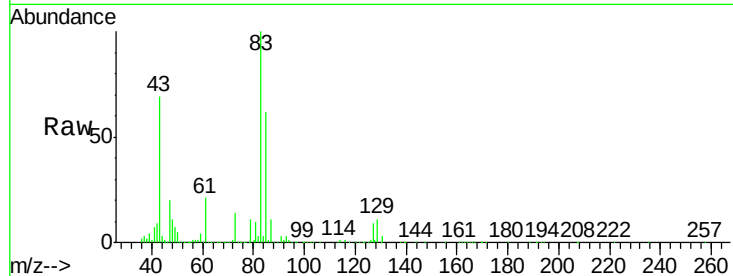
Tot Ion: 83 Resp: 111404

Ion Ratio Lower Upper

83 100

85 62.4 51.1 76.7

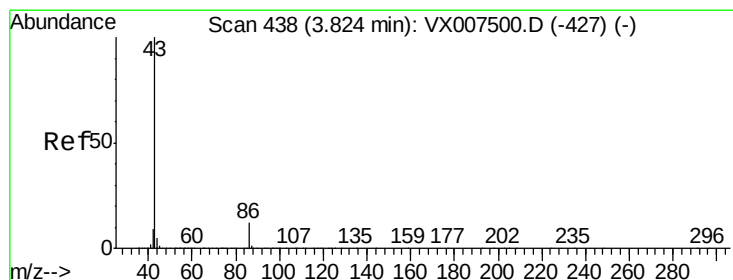
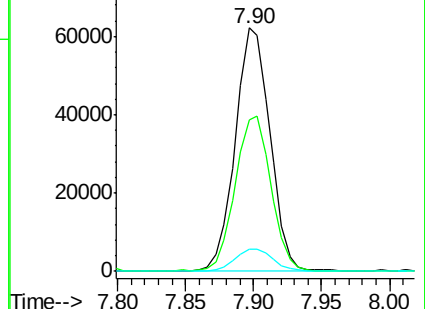
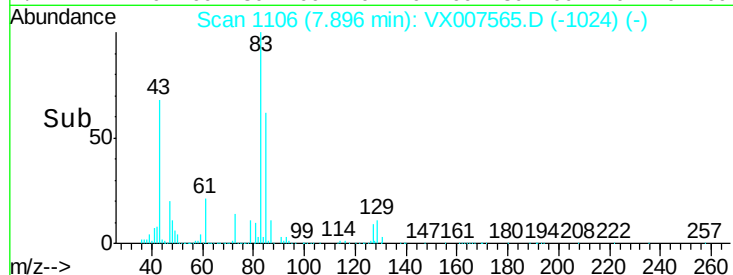
127 8.9 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 103.282 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007565.D

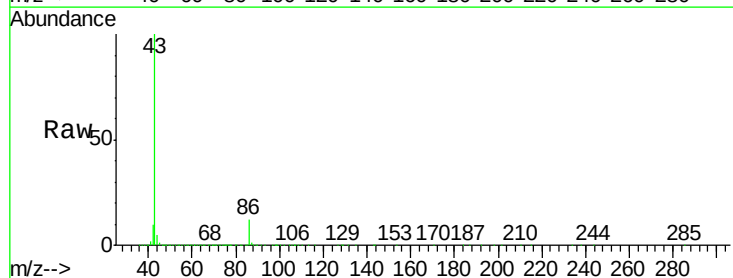
Acq: 15 Feb 2019 13:58

Tgt Ion: 43 Resp: 1219805

Ion Ratio Lower Upper

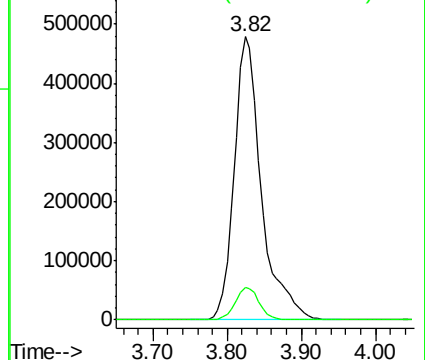
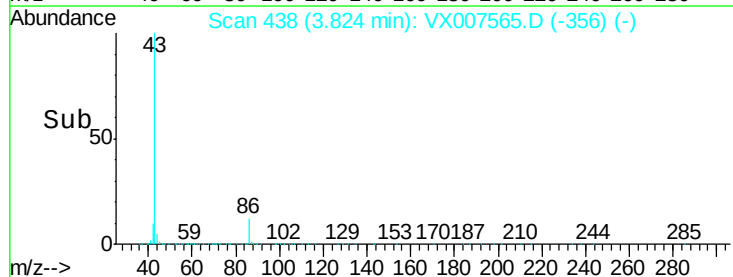
43 100

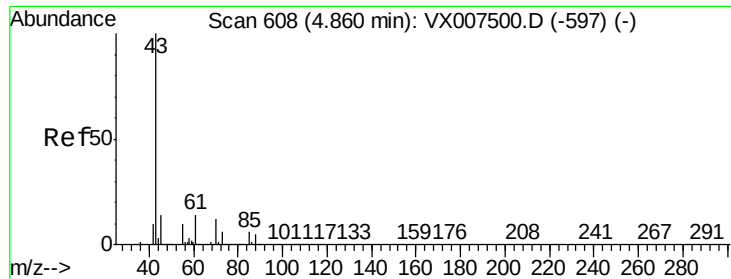
86 10.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

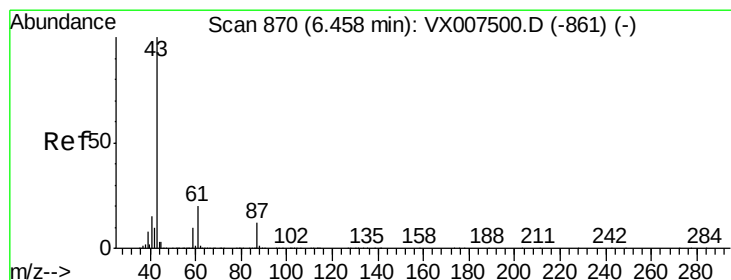
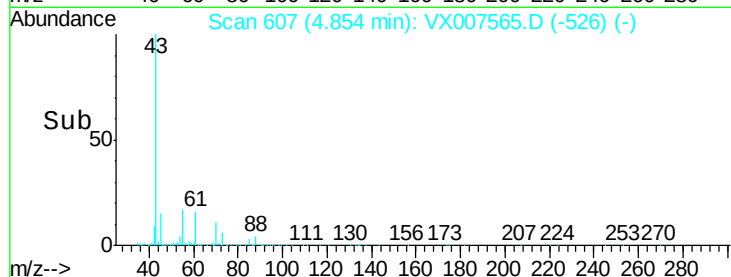
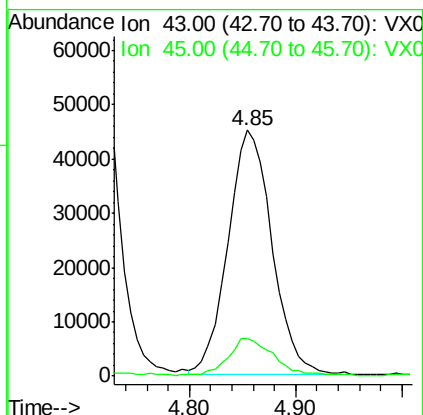
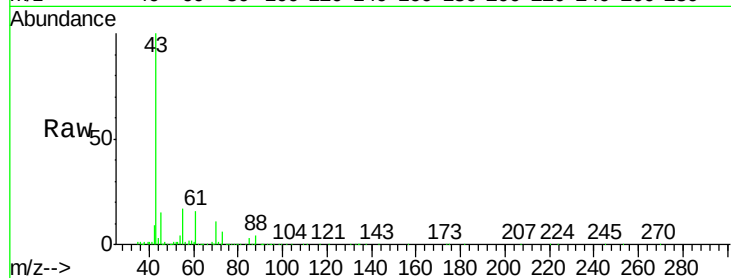




#43  
Ethyl Acetate  
Concen: 20.241 ug/l  
RT: 4.85 min Scan# 607  
Delta R.T. -0.01 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

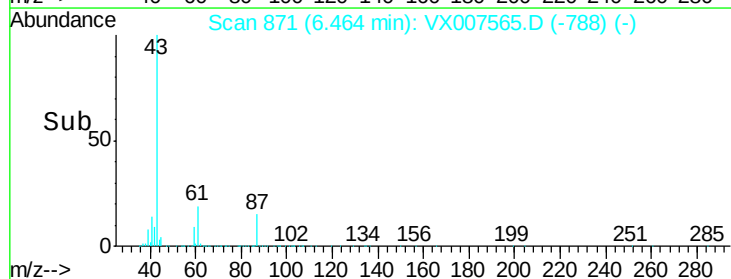
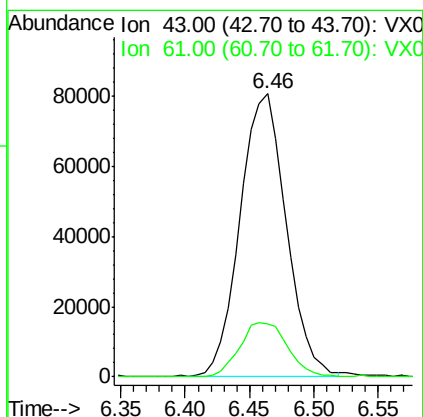
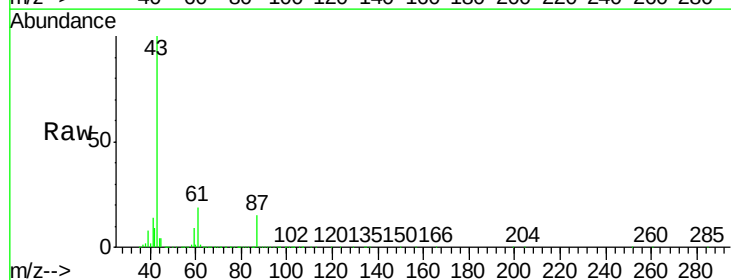
Instrument :  
MSVOA\_W  
ClientSampleId :

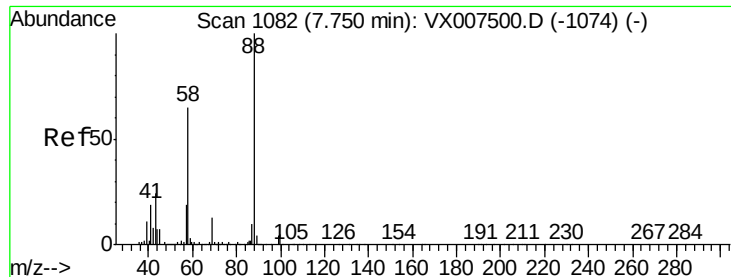
Tot Ion: 43 Resp: 130793  
Ion Ratio Lower Upper  
43 100  
45 15.8 6.9 10.3#



#44  
Isopropyl Acetate  
Concen: 20.051 ug/l  
RT: 6.46 min Scan# 871  
Delta R.T. 0.01 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

Tgt Ion: 43 Resp: 200043  
Ion Ratio Lower Upper  
43 100  
61 20.0 16.1 24.1





#45

1,4-Dioxane

Concen: 410.322 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :  
MSVOA\_W  
ClientSampleId :

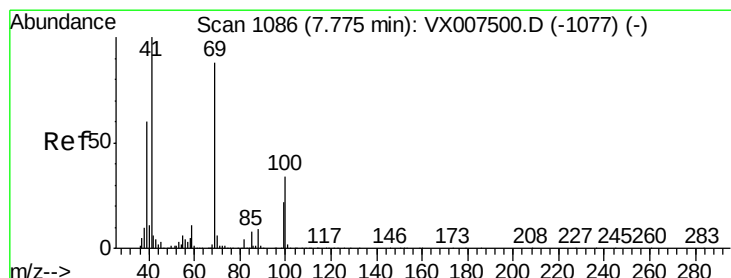
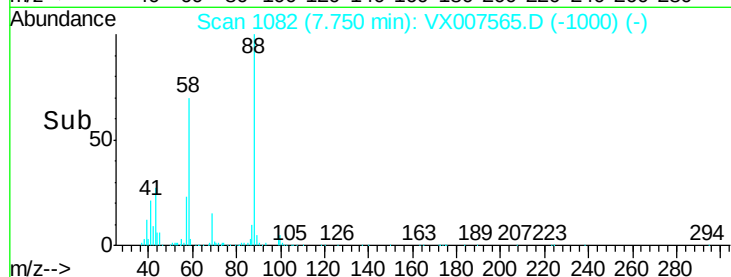
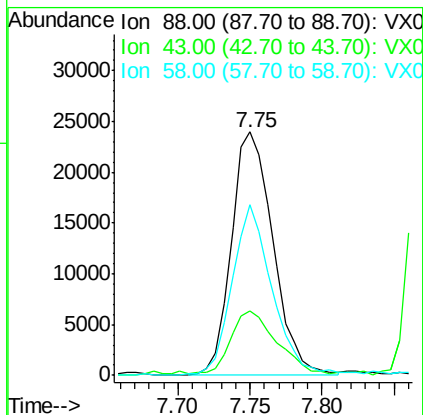
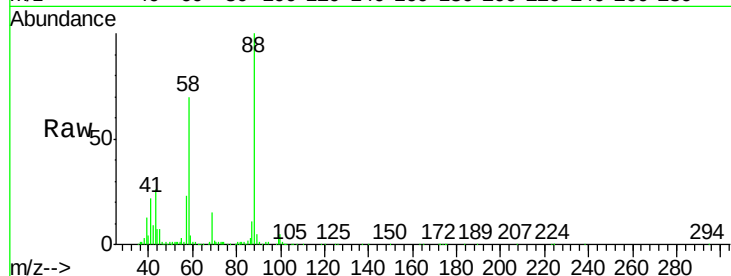
Tot Ion: 88 Resp: 48312

Ion Ratio Lower Upper

88 100

43 28.0 23.6 35.4

58 65.5 51.6 77.4



#46

Methyl methacrylate

Concen: 19.964 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

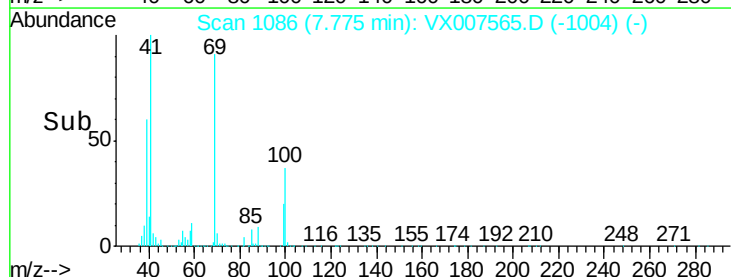
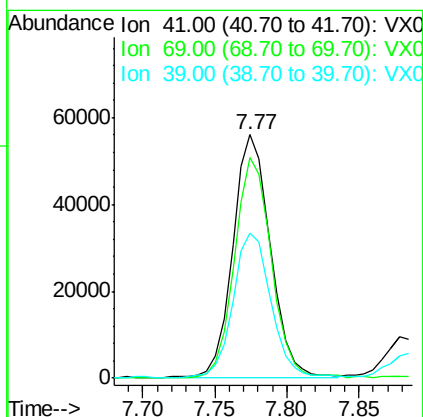
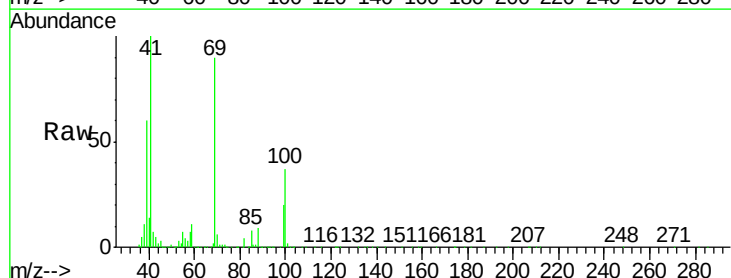
Tgt Ion: 41 Resp: 100859

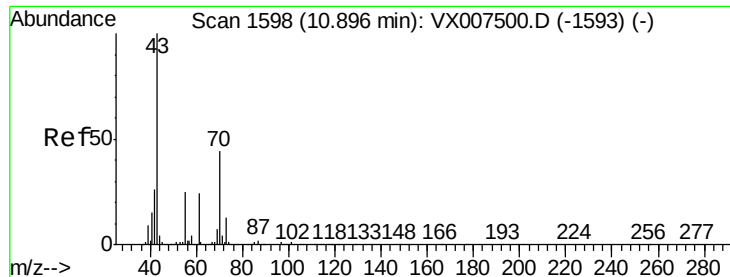
Ion Ratio Lower Upper

41 100

69 90.7 44.2 132.6

39 59.5 29.9 89.8

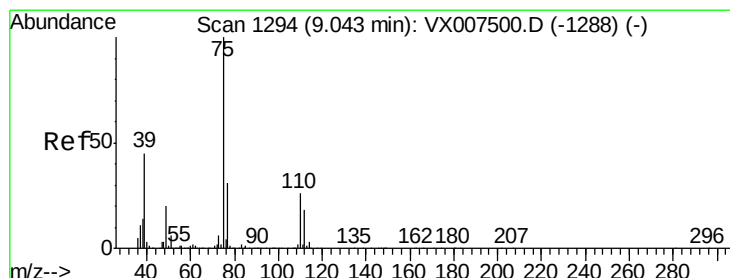
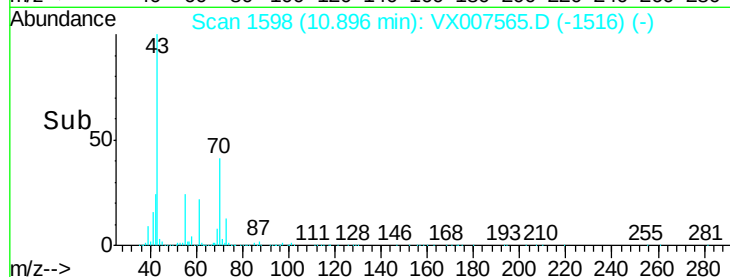
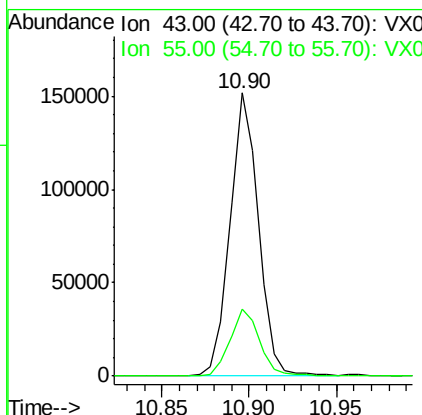
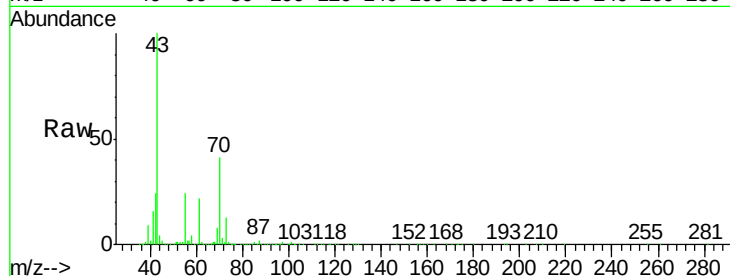




#47  
n-amvl Acetate  
Concen: 19.474 ug/l  
RT: 10.90 min Scan# 1598  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

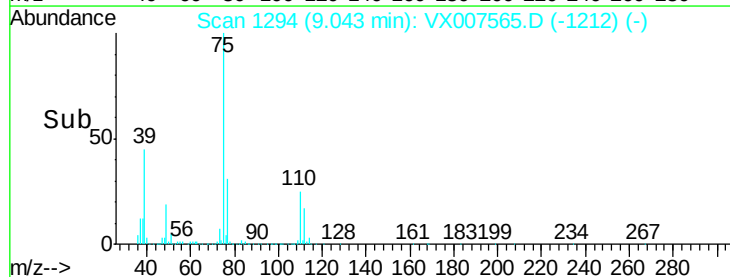
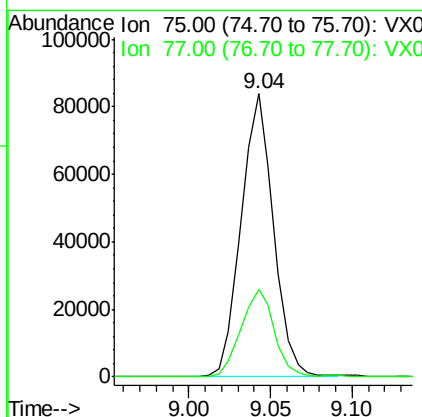
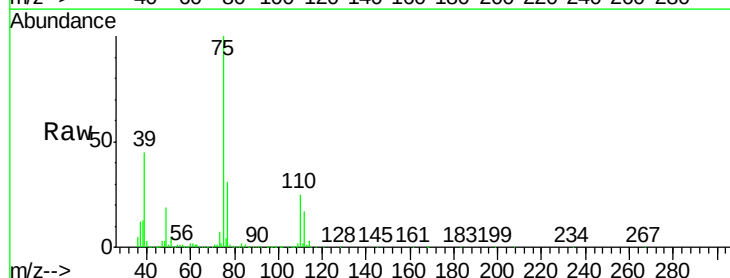
Instrument :  
MSVOA\_W  
ClientSampleId :

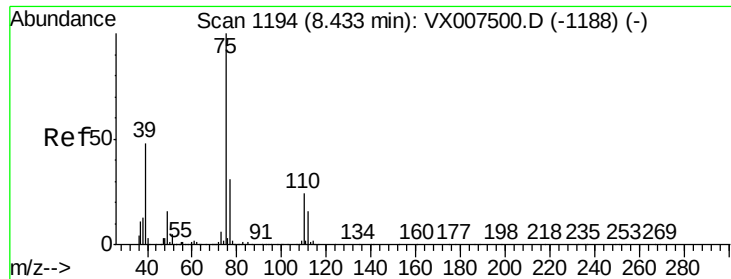
Tot Ion: 43 Resp: 171243  
Ion Ratio Lower Upper  
43 100  
55 24.9 20.8 31.2



#48  
t-1,3-Dichloropropene  
Concen: 19.610 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

Tgt Ion: 75 Resp: 115997  
Ion Ratio Lower Upper  
75 100  
77 30.9 24.5 36.7



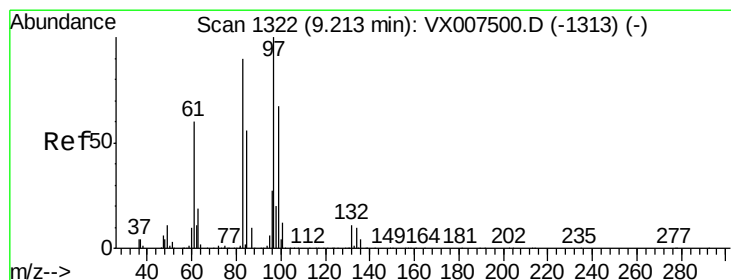
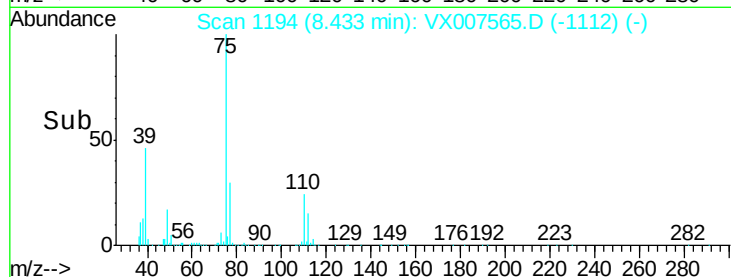
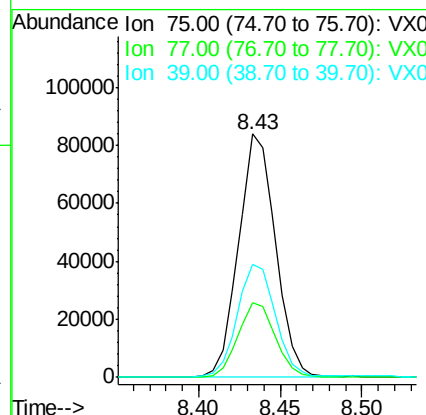
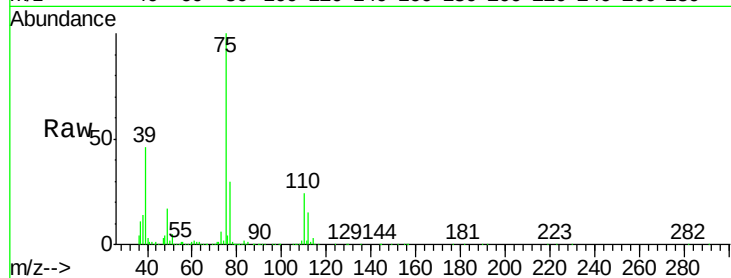


#49

cis-1,3-Dichloropropene  
 Concen: 20.131 ug/l  
 RT: 8.43 min Scan# 1194  
 Delta R.T. -0.00 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

Instrument :  
 MSVOA\_W  
 ClientSampled :

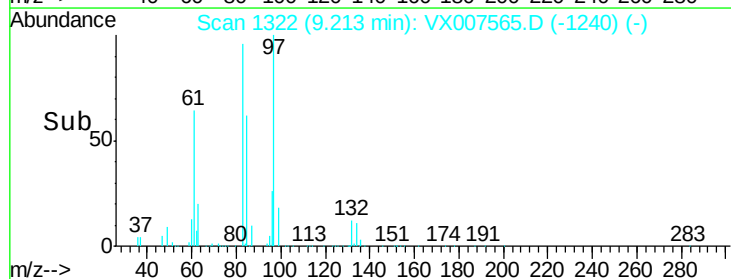
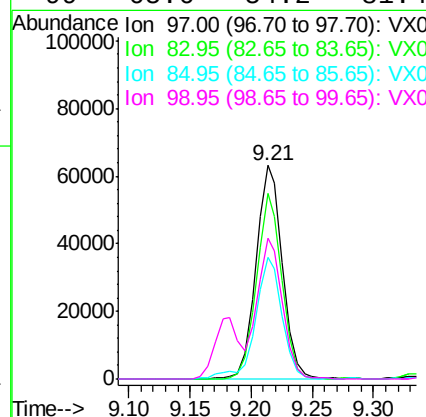
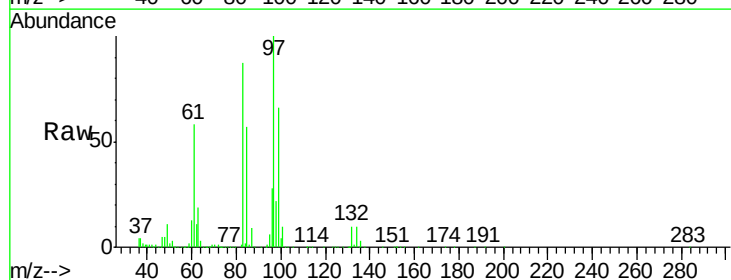
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 132607 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 30.4  | 25.0  | 37.4   |
| 39       | 46.1  | 38.5  | 57.7   |

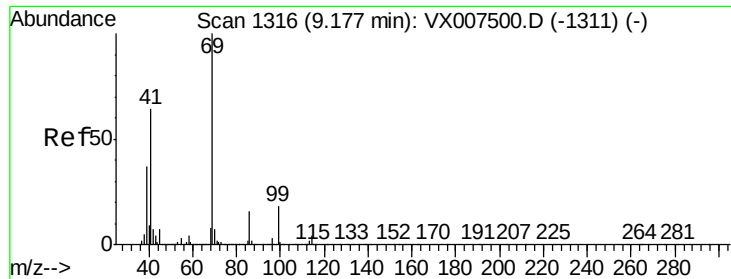


#50

1,1,2-Trichloroethane  
 Concen: 20.202 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 95108 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.1  | 72.0  | 108.0 |
| 85       | 56.6  | 45.0  | 67.6  |
| 99       | 65.6  | 54.2  | 81.4  |





#51

Ethyl methacrylate

Concen: 19.531 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

ClientSampleId :

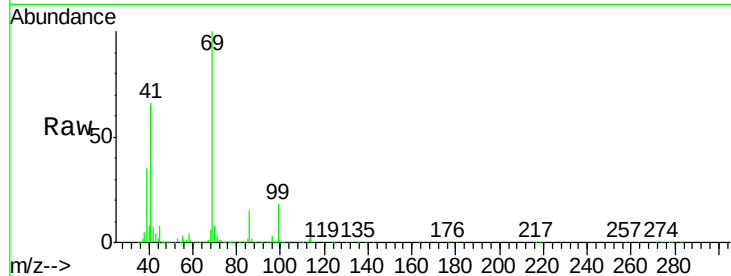
Tot Ion: 69 Resp: 133308

Ion Ratio Lower Upper

69 100

41 65.6 32.1 96.5

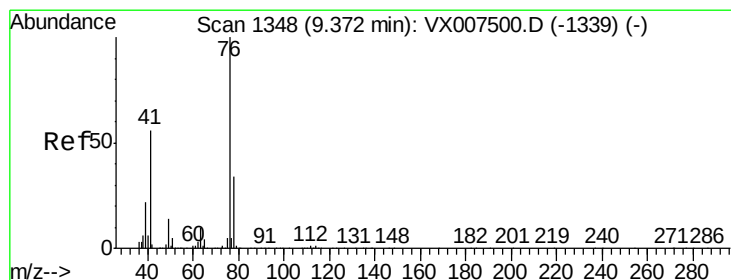
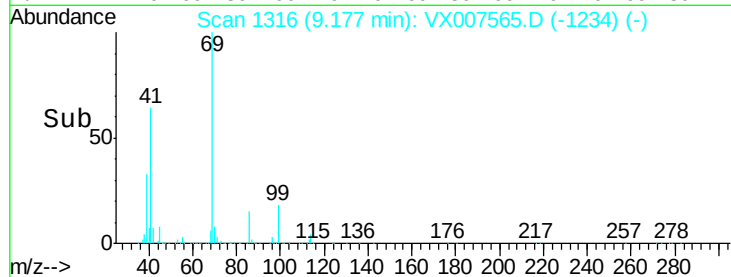
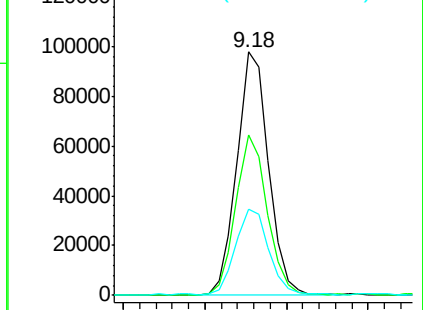
39 35.0 18.8 56.3



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: 20.197 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007565.D

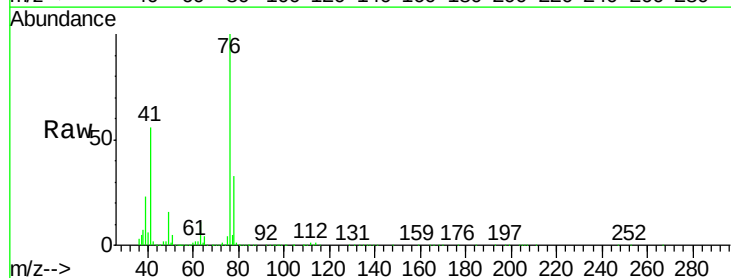
Acq: 15 Feb 2019 13:58

Tgt Ion: 76 Resp: 153376

Ion Ratio Lower Upper

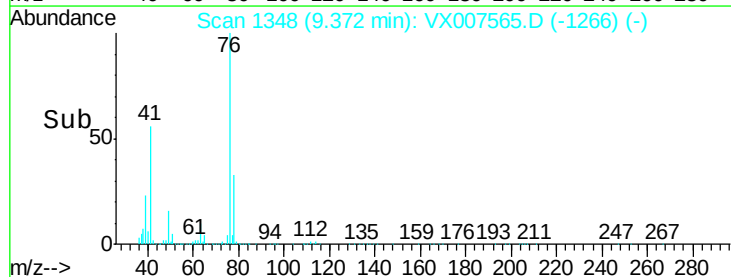
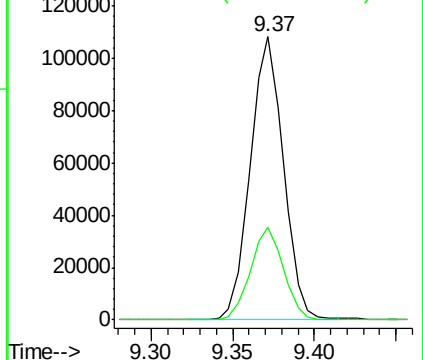
76 100

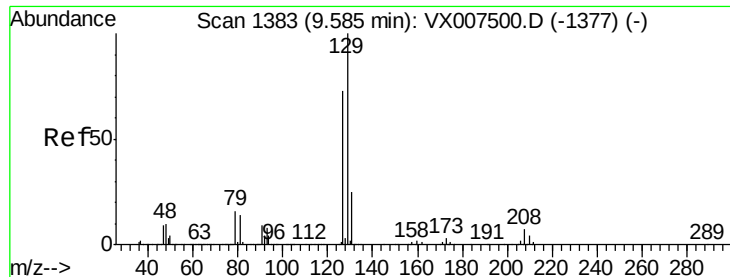
78 32.6 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.366 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

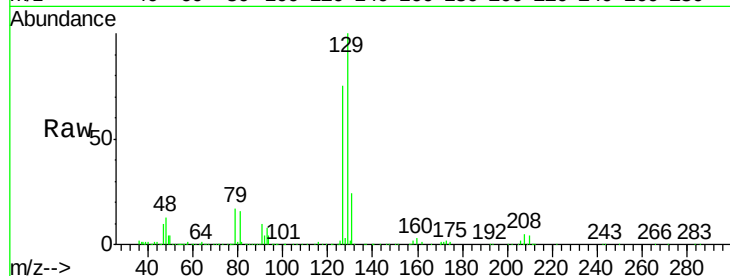
ClientSampleId :

Tot Ion:129 Resp: 94831

Ion Ratio Lower Upper

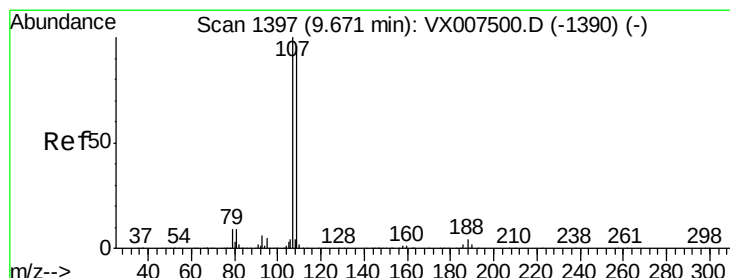
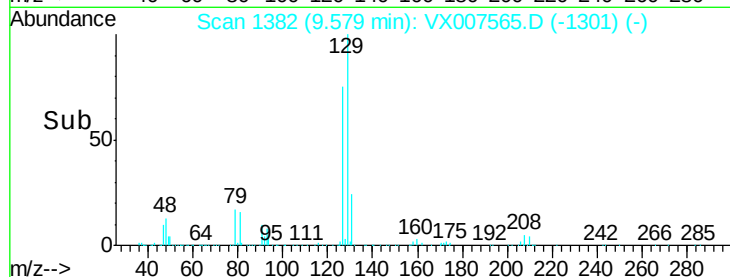
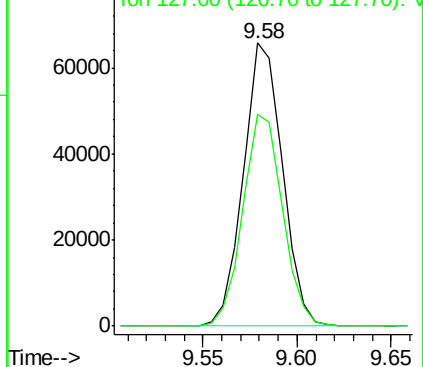
129 100

127 75.9 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.860 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007565.D

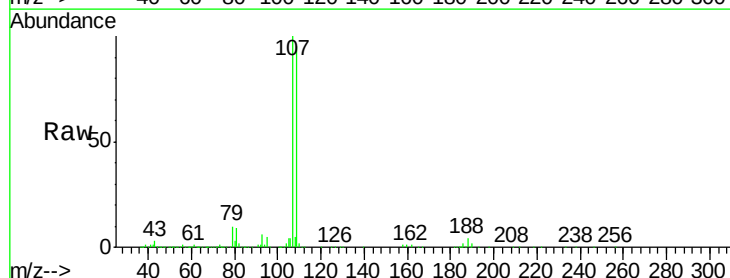
Acq: 15 Feb 2019 13:58

Tgt Ion:107 Resp: 102384

Ion Ratio Lower Upper

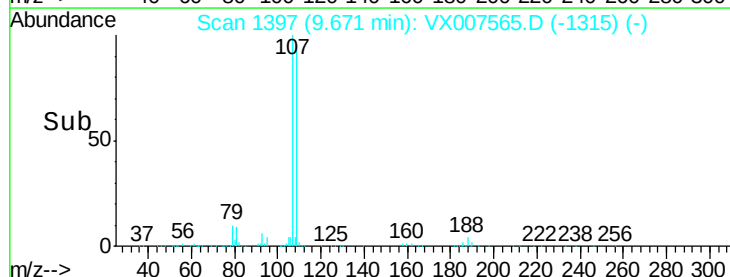
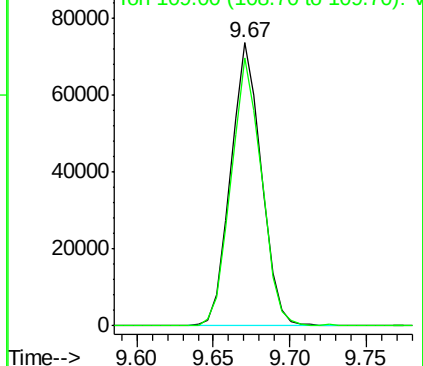
107 100

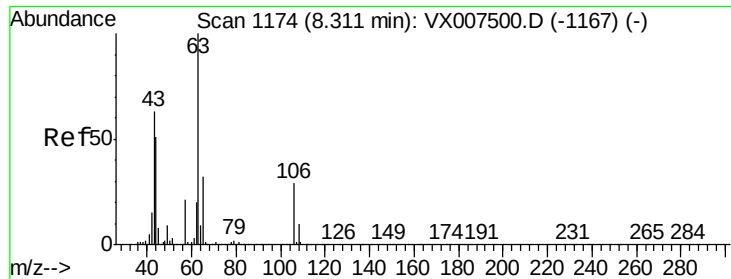
109 93.8 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 99.096 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

ClientSampleId :

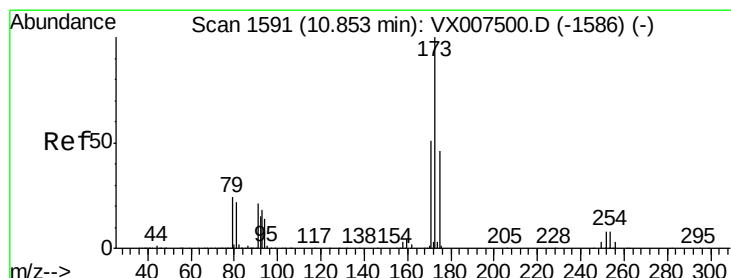
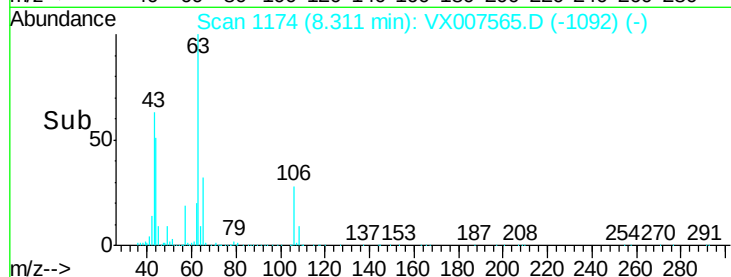
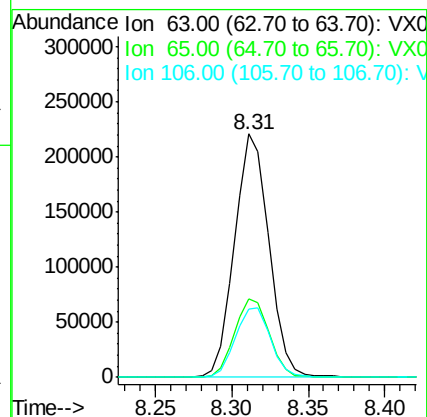
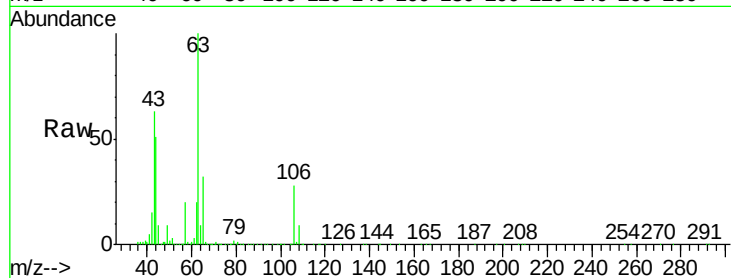
Tot Ion: 63 Resp: 343873

Ion Ratio Lower Upper

63 100

65 32.5 25.7 38.5

106 29.2 23.7 35.5



#56

Bromoform

Concen: 18.710 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

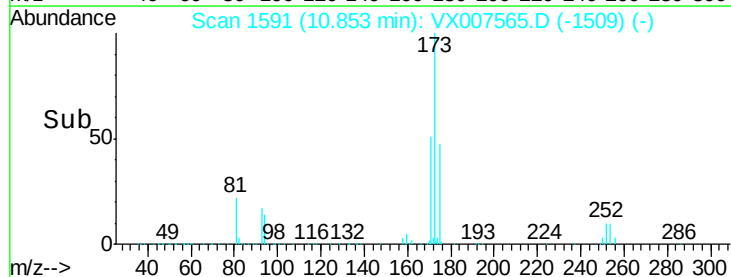
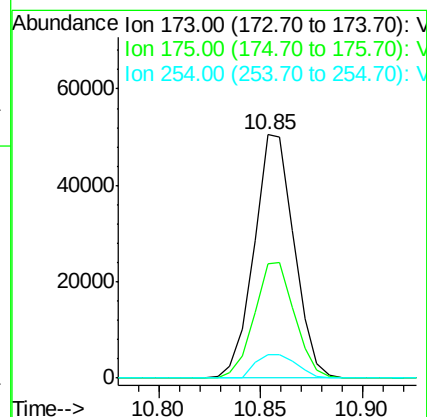
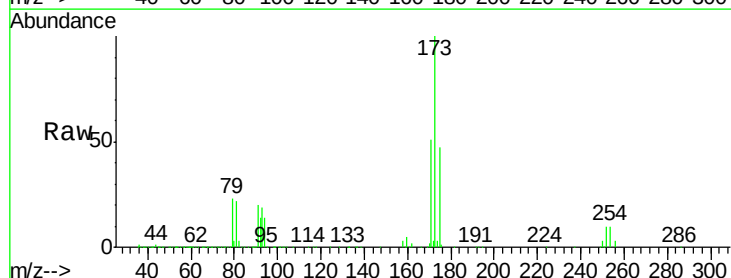
Tgt Ion: 173 Resp: 69106

Ion Ratio Lower Upper

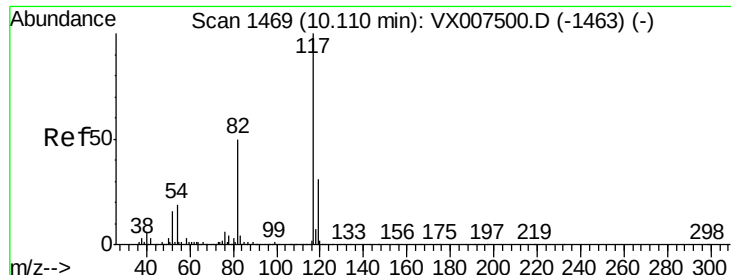
173 100

175 48.0 38.5 57.7

254 10.0 7.4 11.2



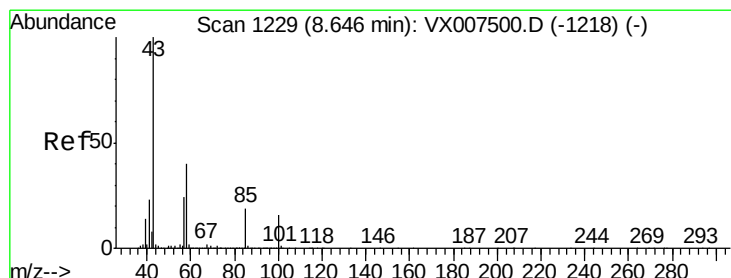
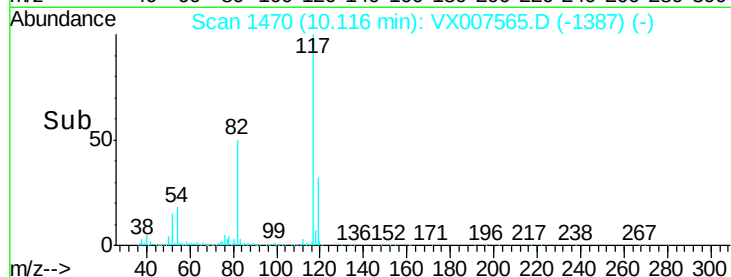
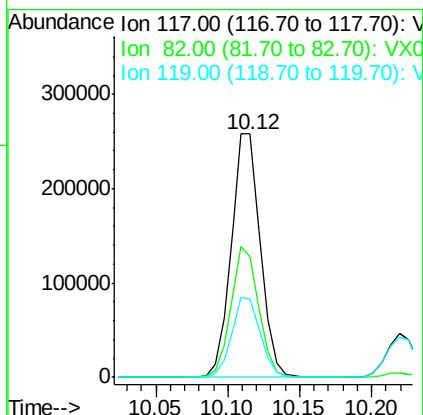
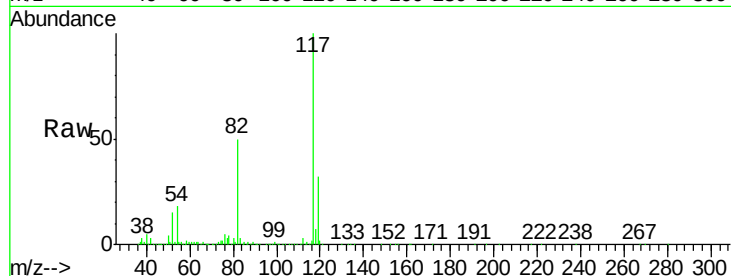




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

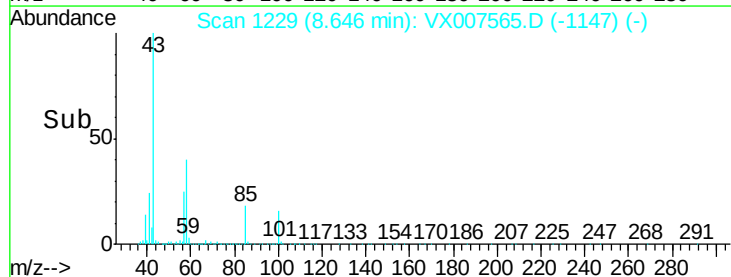
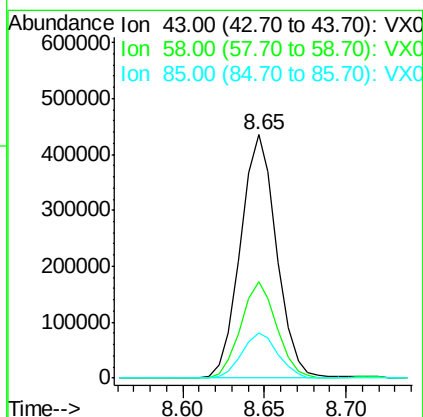
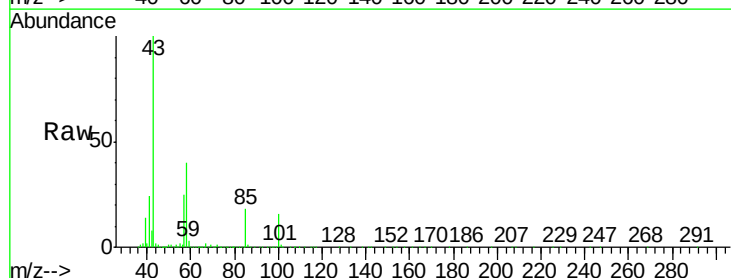
Instrument :  
MSVOA\_W  
ClientSampleId :

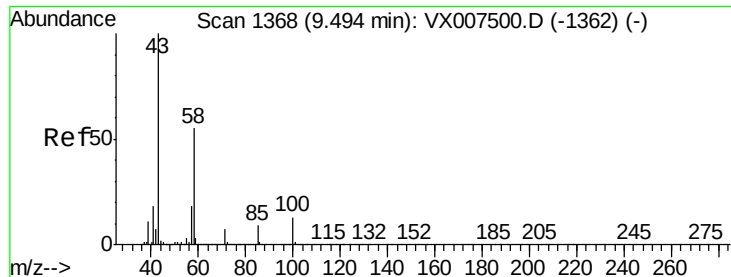
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.3  | 40.4  | 60.6  |
| 119     | 32.4  | 25.8  | 38.6  |



#58  
4-Methyl-2-Pentanone  
Concen: 102.297 ug/l  
RT: 8.65 min Scan# 1229  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 39.4  | 31.4  | 47.0  |
| 85      | 18.6  | 15.0  | 22.6  |

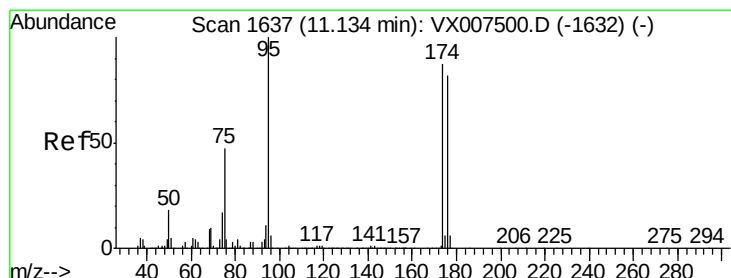
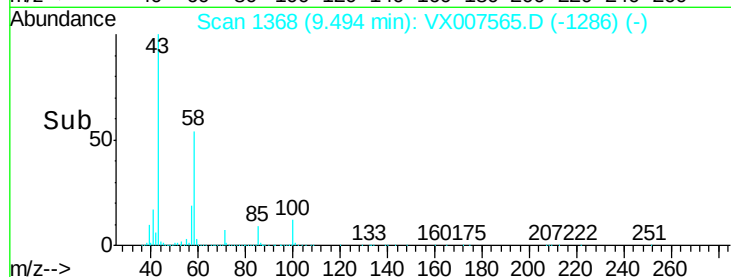
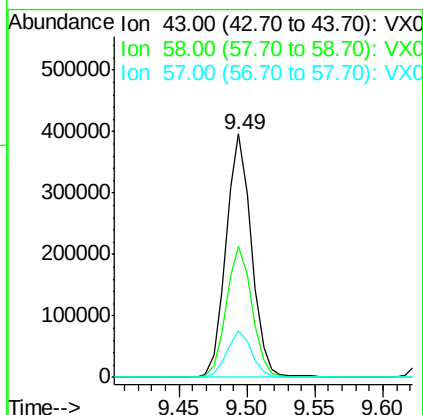
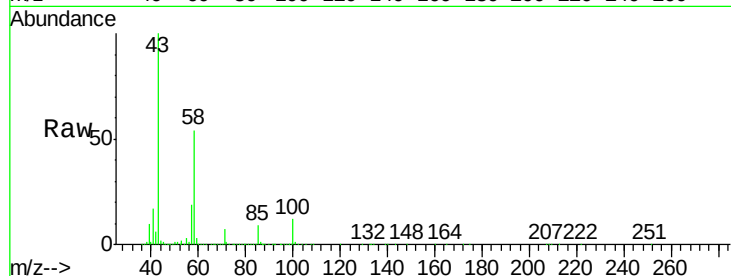




#59  
2-Hexanone  
Concen: 103.329 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

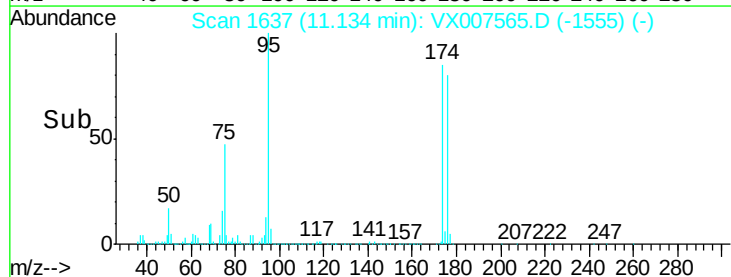
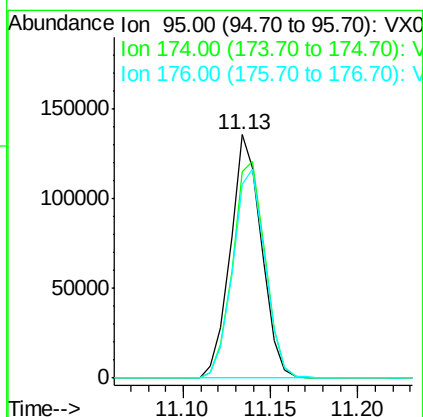
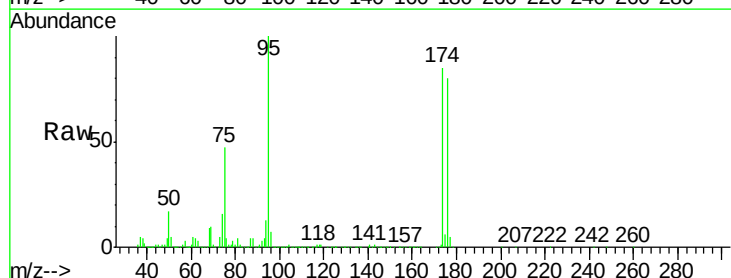
Instrument :  
MSVOA\_W  
ClientSampled :

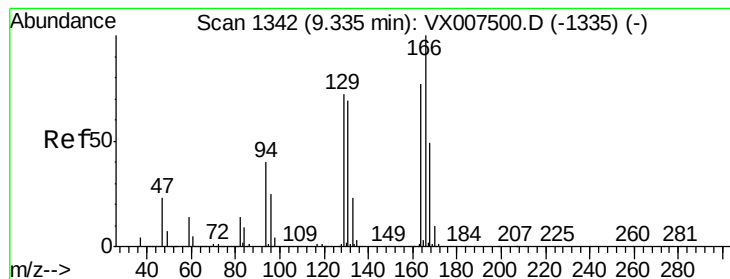
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 54.6  | 43.9  | 65.9  |
| 57      | 18.7  | 14.9  | 22.3  |



#60  
4-Bromofluorobenzene  
Concen: 29.937 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 93.0  | 74.9  | 112.3 |
| 176     | 88.8  | 70.7  | 106.1 |





#61

Tetrachloroethene

Concen: 20.233 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion:164 Resp: 104564

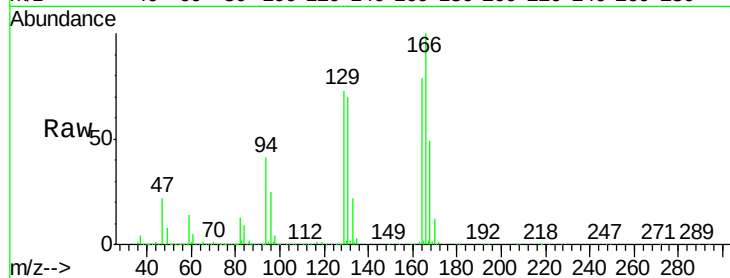
Ion Ratio Lower Upper

164 100

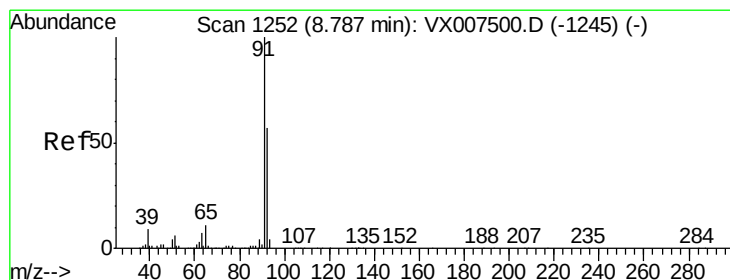
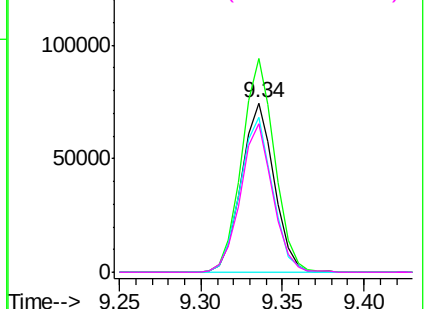
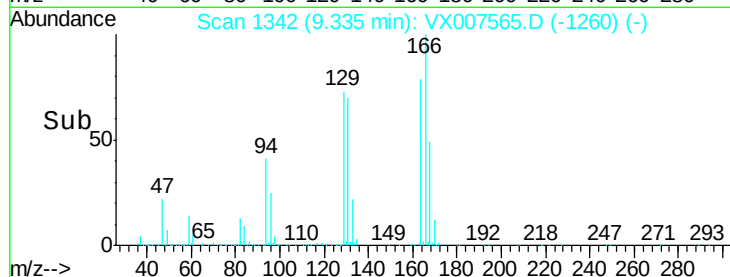
166 126.0 103.9 155.9

129 91.5 74.7 112.1

131 87.8 71.7 107.5



Abundance Ion 163.85 (163.55 to 164.55): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.90 (128.60 to 129.60): V  
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.162 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007565.D

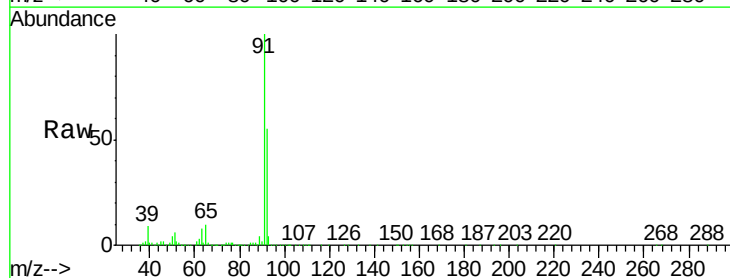
Acq: 15 Feb 2019 13:58

Tgt Ion: 91 Resp: 399735

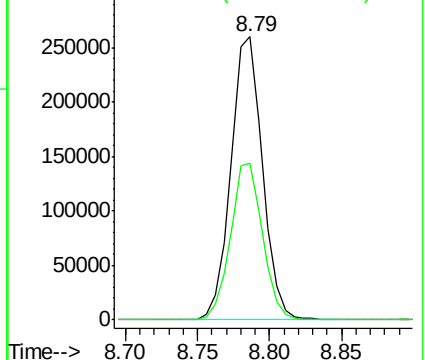
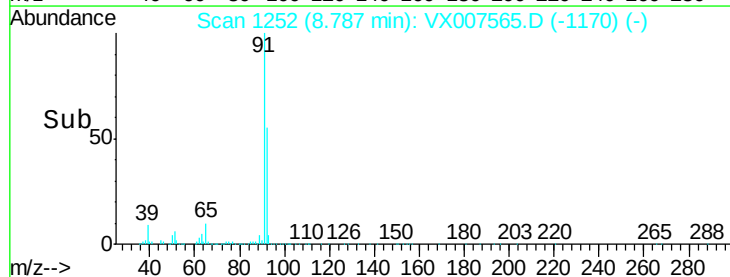
Ion Ratio Lower Upper

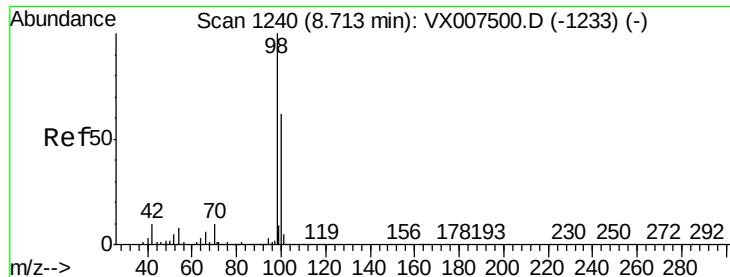
91 100

92 56.1 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.002 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

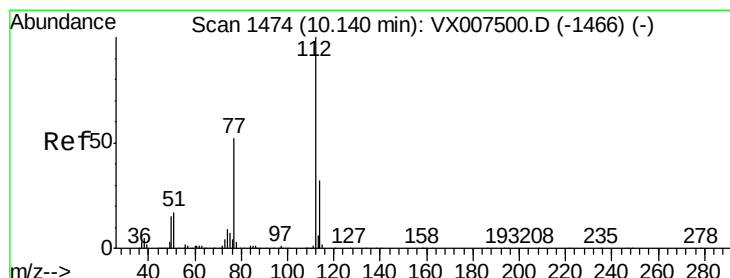
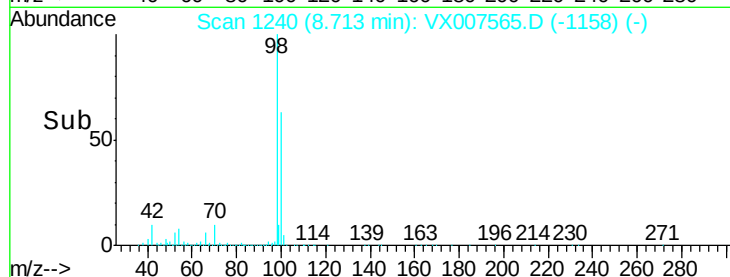
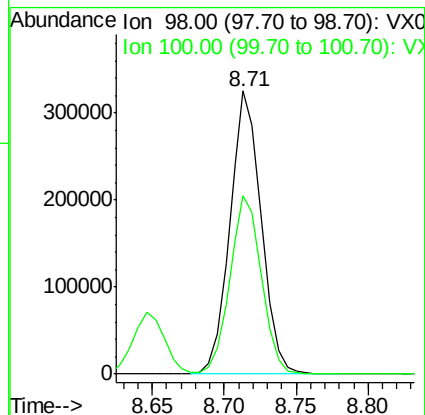
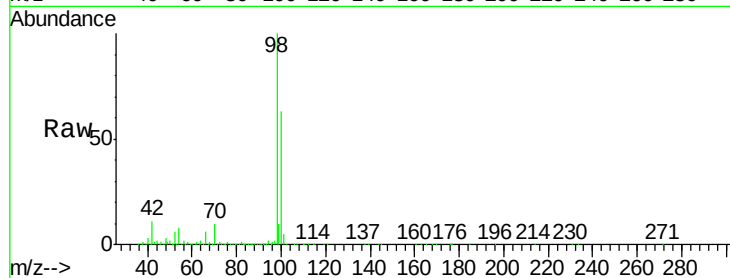
Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 98 Resp: 493653

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3



#64

Chlorobenzene

Concen: 19.760 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007565.D

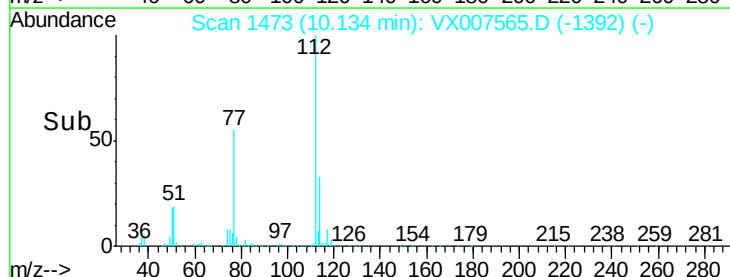
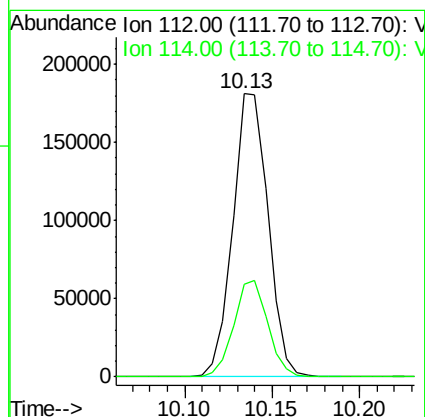
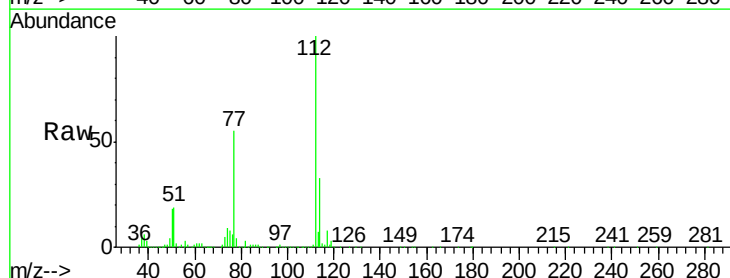
Acq: 15 Feb 2019 13:58

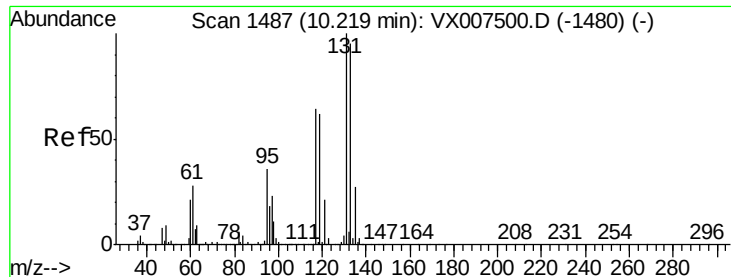
Tgt Ion: 112 Resp: 254603

Ion Ratio Lower Upper

112 100

114 32.9 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.944 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

ClientSampled :

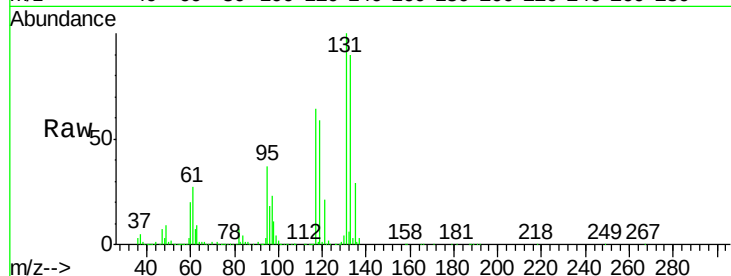
Tot Ion:131 Resp: 93077

Ion Ratio Lower Upper

131 100

133 95.0 0.0 191.6

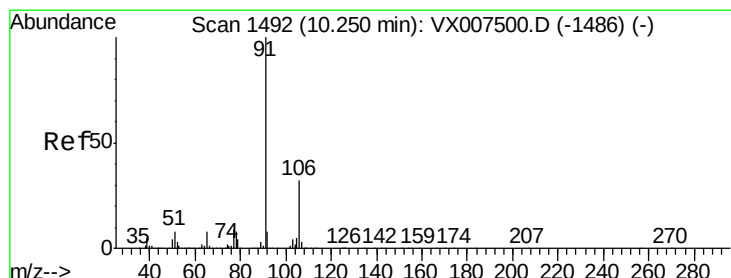
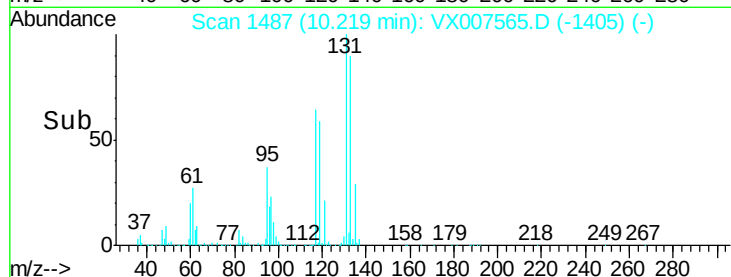
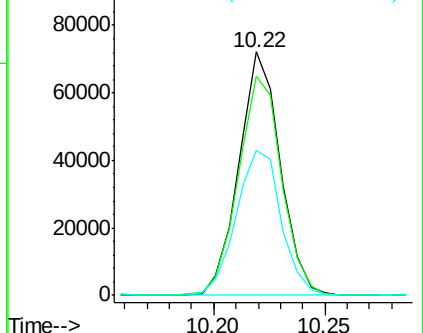
119 64.9 0.0 127.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.958 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007565.D

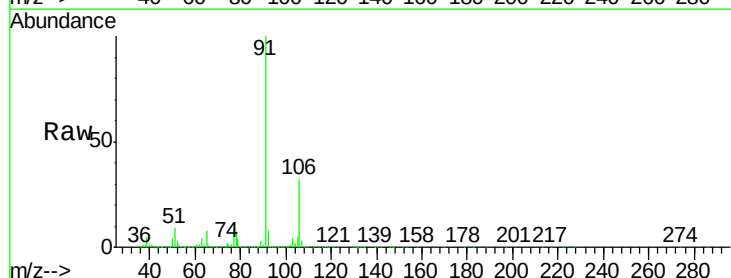
Acq: 15 Feb 2019 13:58

Tgt Ion: 91 Resp: 419906

Ion Ratio Lower Upper

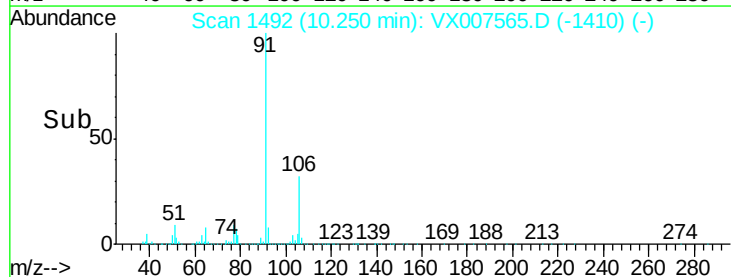
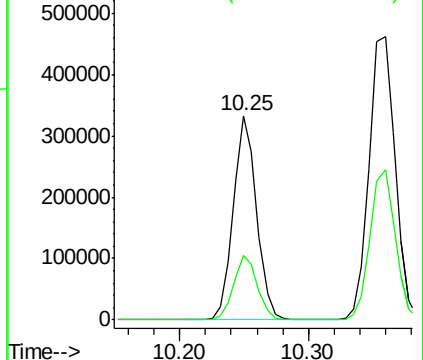
91 100

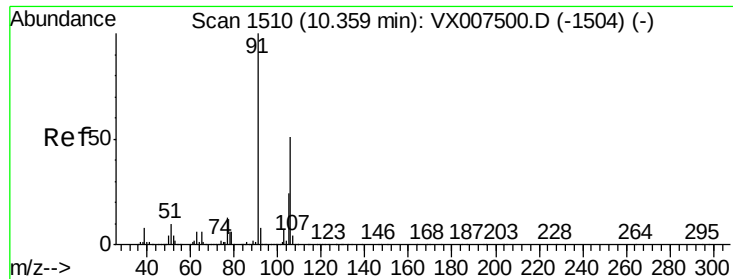
106 31.8 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.797 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

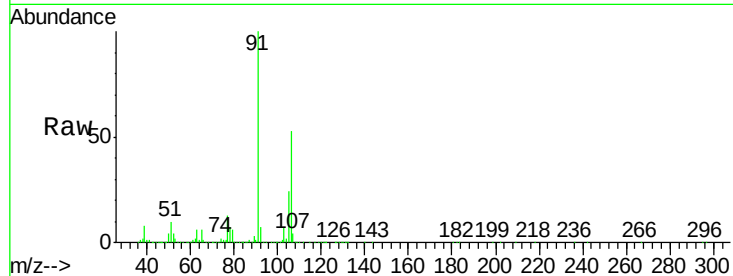
ClientSampleId :

Tot Ion:106 Resp: 328415

Ion Ratio Lower Upper

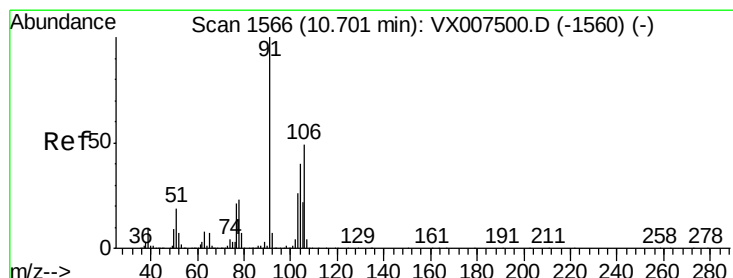
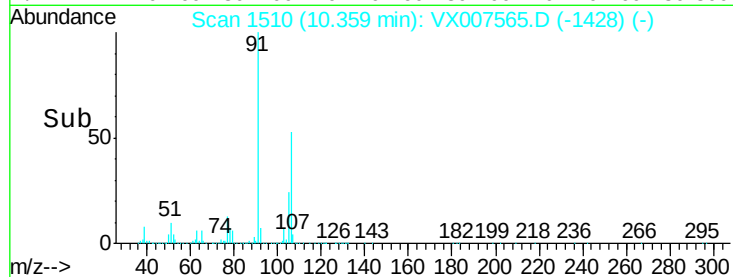
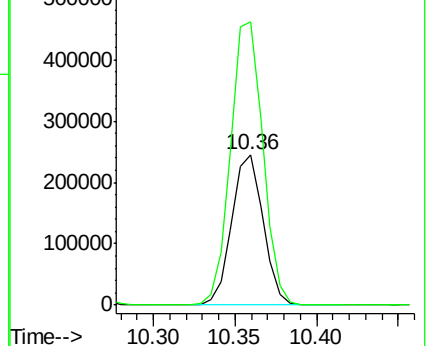
106 100

91 194.1 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 20.209 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX007565.D

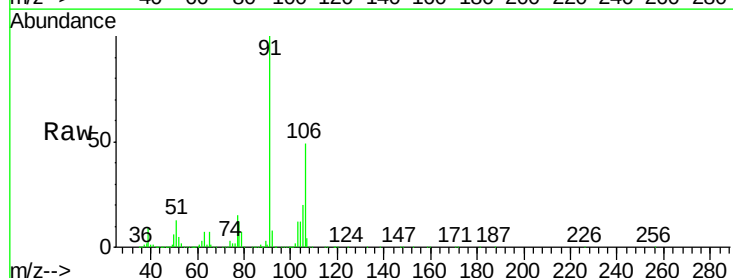
Acq: 15 Feb 2019 13:58

Tgt Ion:106 Resp: 162650

Ion Ratio Lower Upper

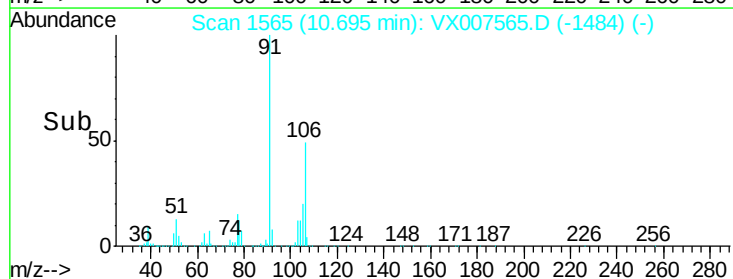
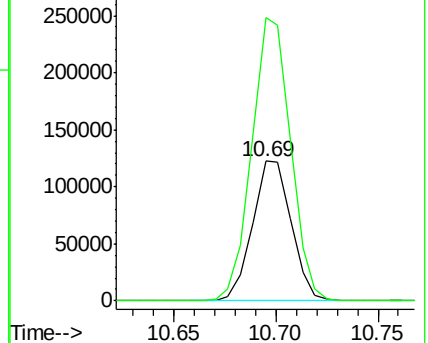
106 100

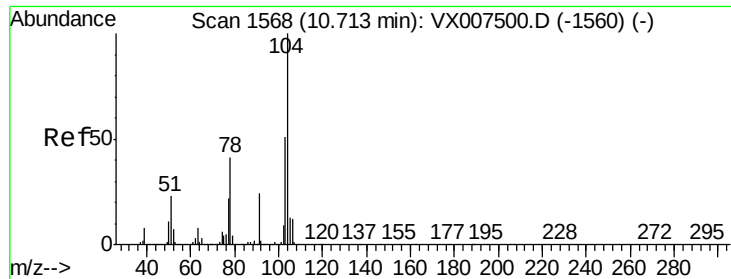
91 202.1 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

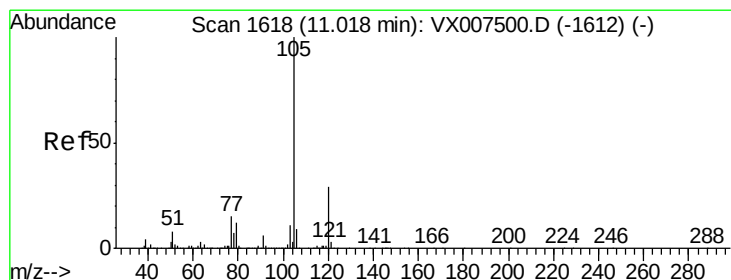
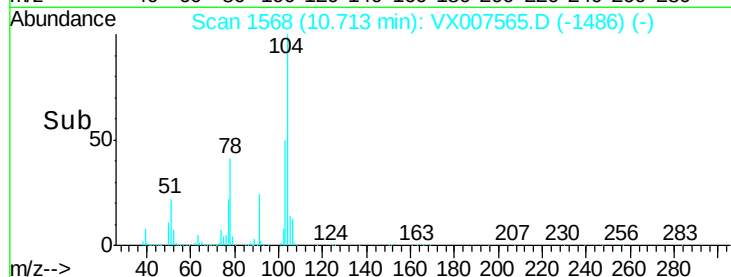
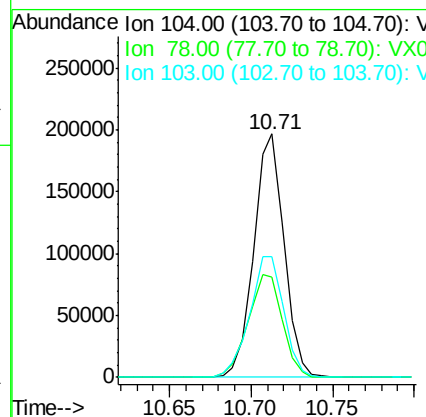
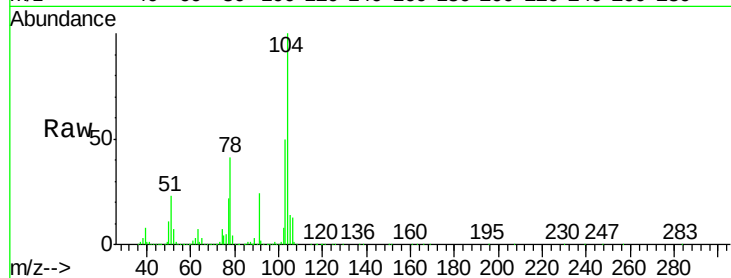




#69  
Stvrene  
Concen: 19.669 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

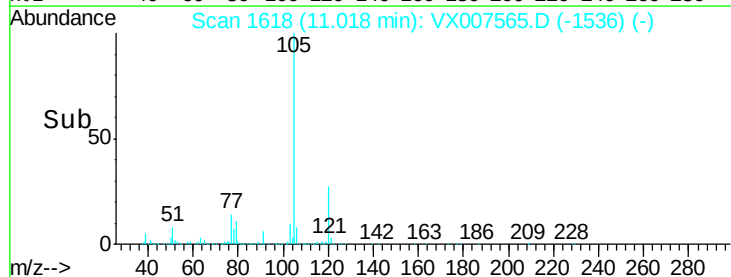
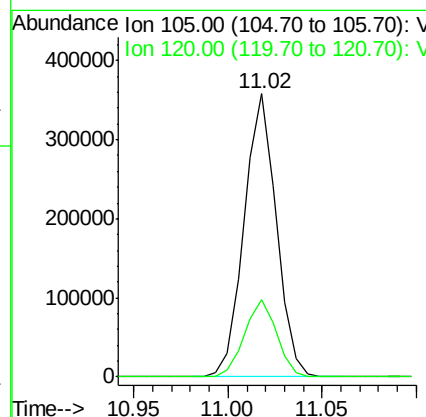
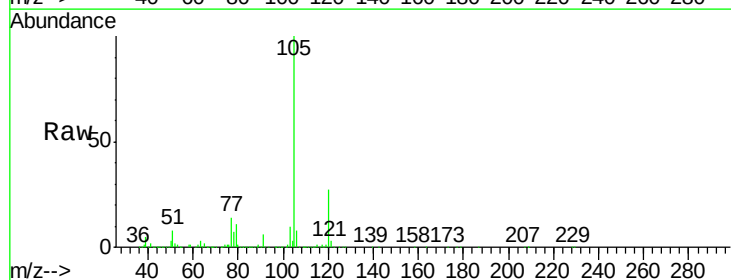
Instrument :  
MSVOA\_W  
ClientSampleId :

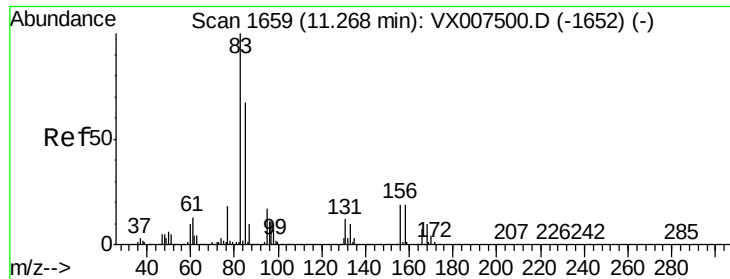
Tot Ion:104 Resp: 255457  
Ion Ratio Lower Upper  
104 100  
78 47.9 38.2 57.2  
103 56.1 45.0 67.4



#70  
Isopropylbenzene  
Concen: 19.969 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

Tgt Ion:105 Resp: 424015  
Ion Ratio Lower Upper  
105 100  
120 27.3 19.8 36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 20.140 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

ClientSampleId :

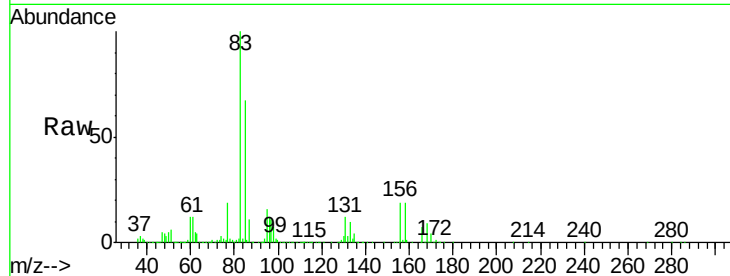
Tot Ion: 83 Resp: 141364

Ion Ratio Lower Upper

83 100

131 11.8 5.4 16.2

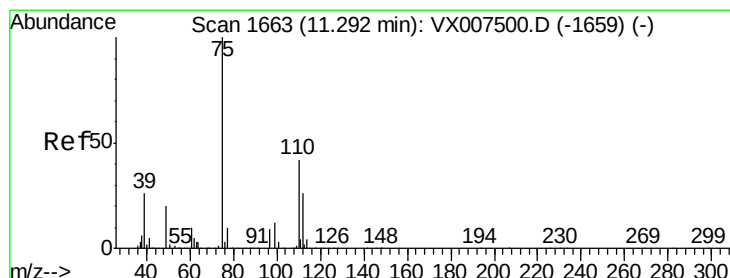
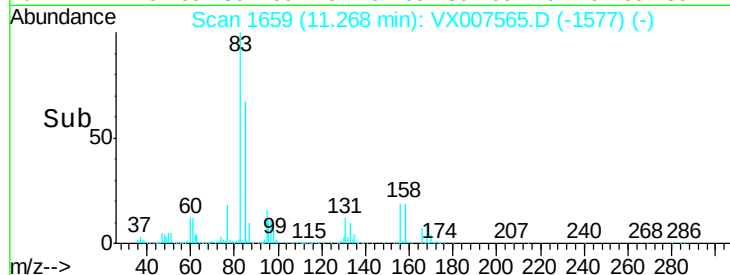
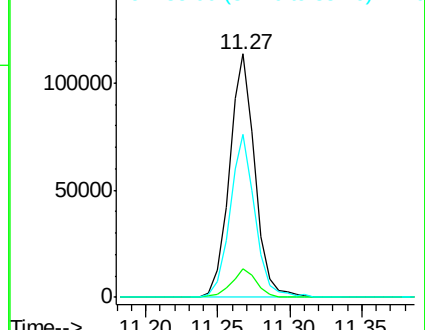
85 65.6 32.8 98.4



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: 24.845 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX007565.D

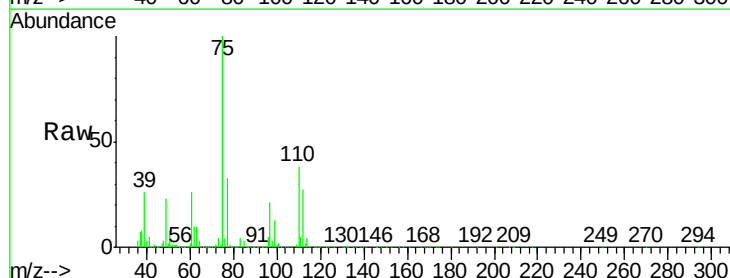
Acq: 15 Feb 2019 13:58

Tgt Ion: 75 Resp: 159447

Ion Ratio Lower Upper

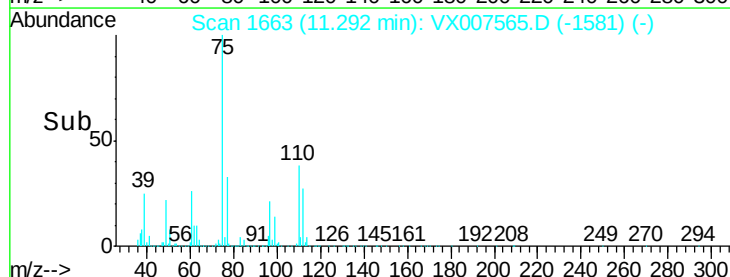
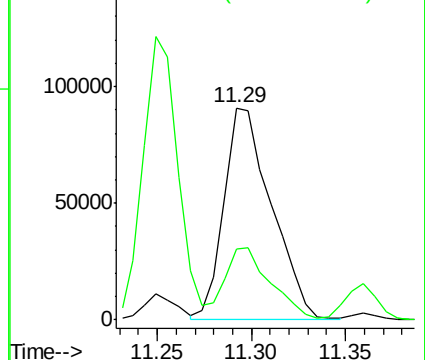
75 100

77 32.8 0.0 76.4

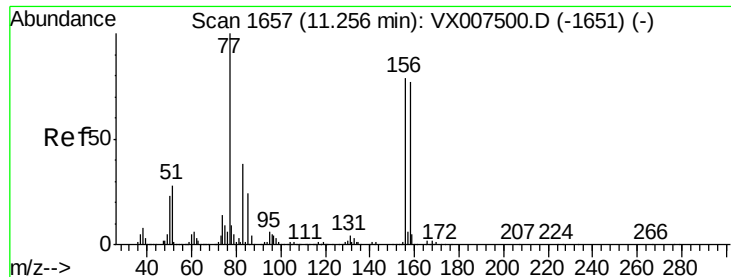


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0







#73

Bromobenzene

Concen: 19.998 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

ClientSampleId :

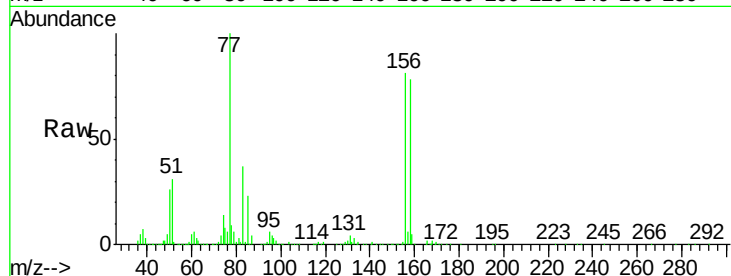
Tot Ion:156 Resp: 115929

Ion Ratio Lower Upper

156 100

77 135.3 0.0 271.4

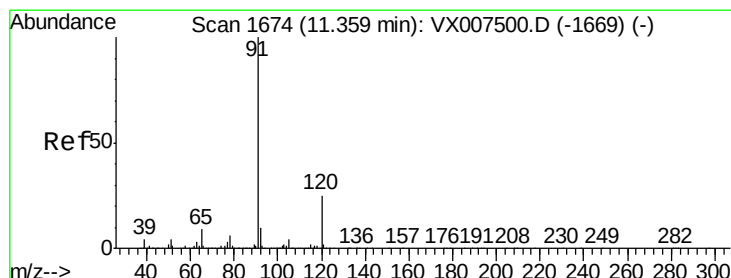
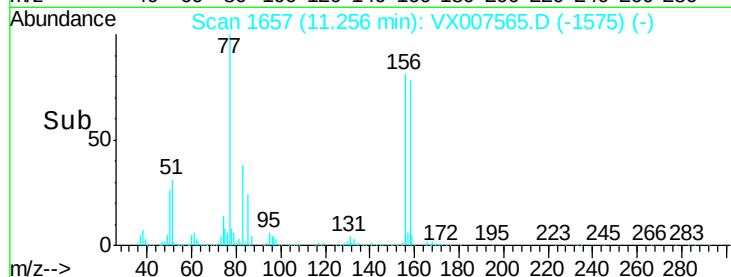
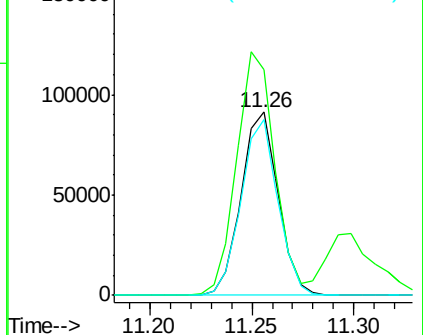
158 95.0 0.0 194.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.992 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007565.D

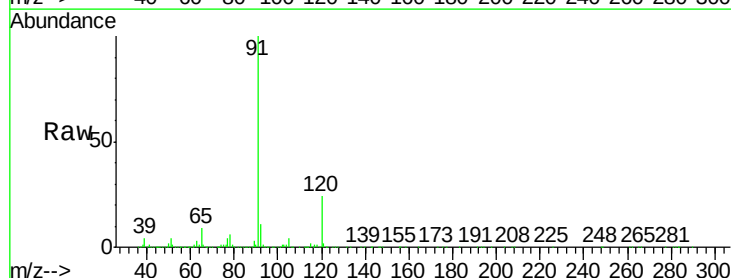
Acq: 15 Feb 2019 13:58

Tgt Ion: 91 Resp: 471337

Ion Ratio Lower Upper

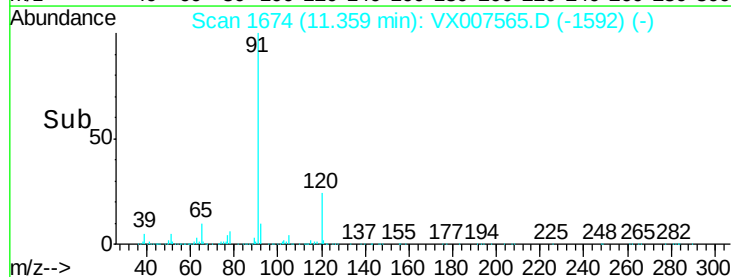
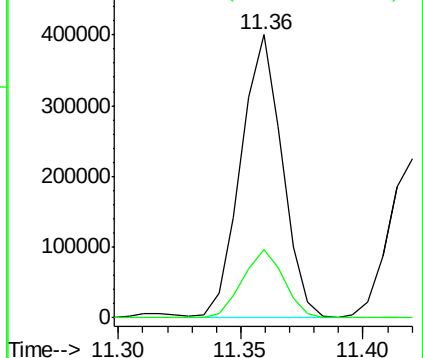
91 100

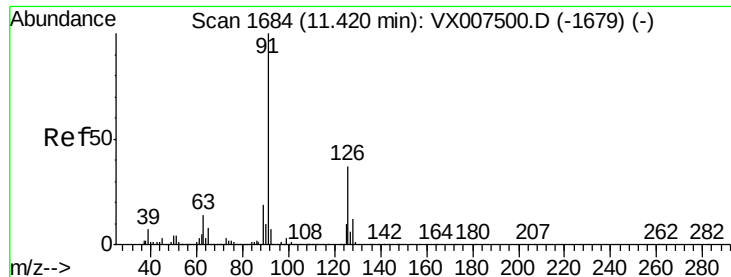
120 24.1 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.800 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

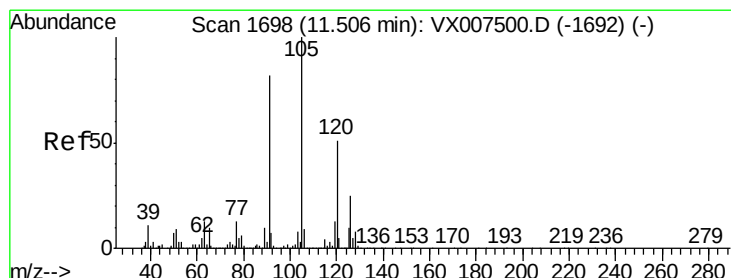
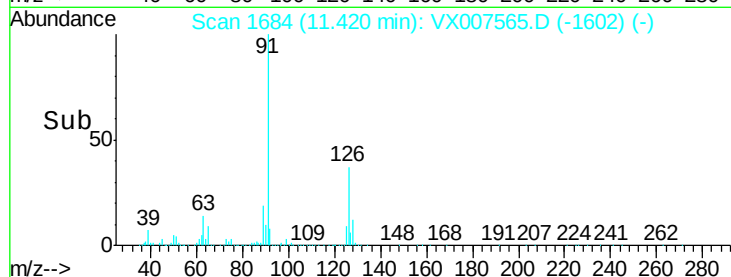
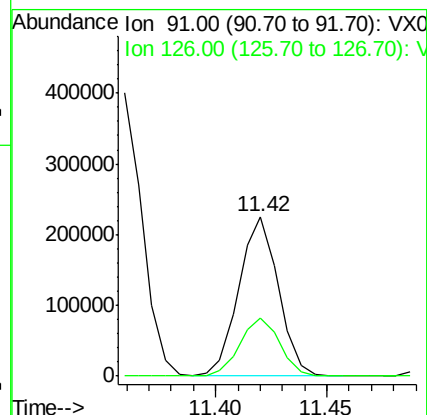
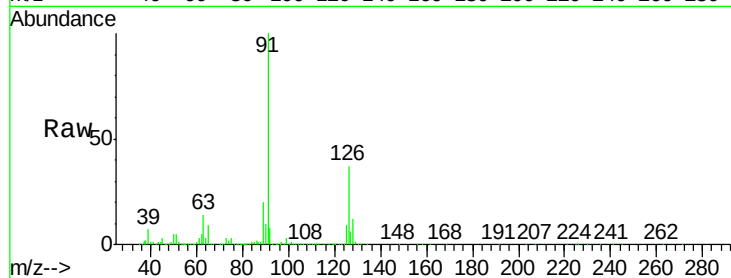
ClientSampled :

Tot Ion: 91 Resp: 279116

Ion Ratio Lower Upper

91 100

126 37.0 0.0 75.2



#76

1,3,5-Trimethylbenzene

Concen: 19.727 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007565.D

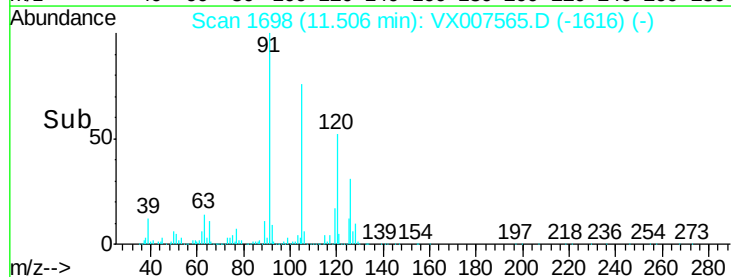
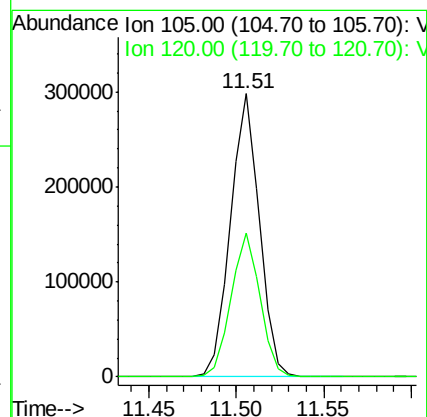
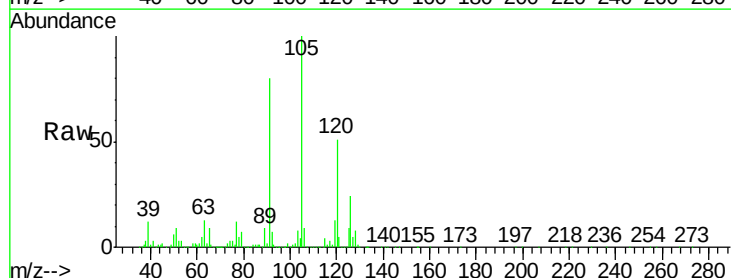
Acq: 15 Feb 2019 13:58

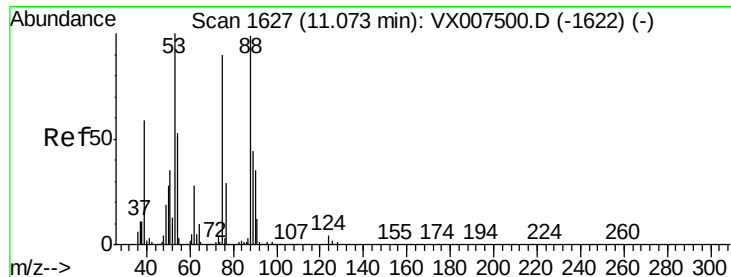
Tgt Ion: 105 Resp: 341925

Ion Ratio Lower Upper

105 100

120 51.0 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.771 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

ClientSampleId :

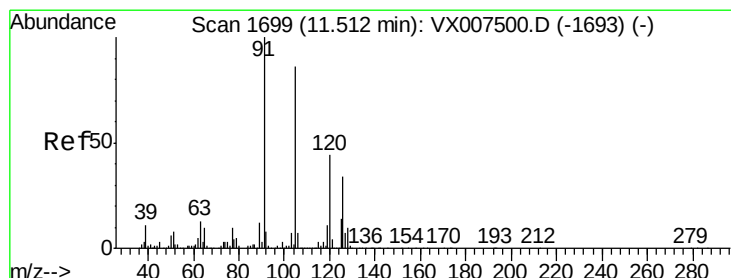
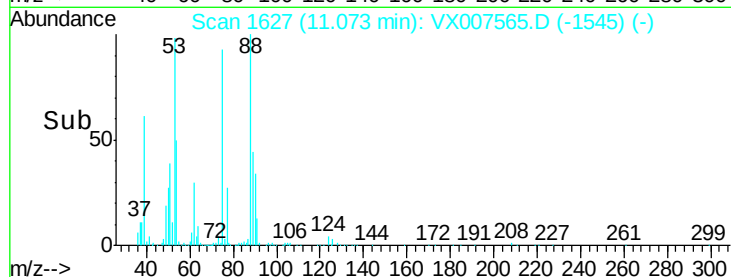
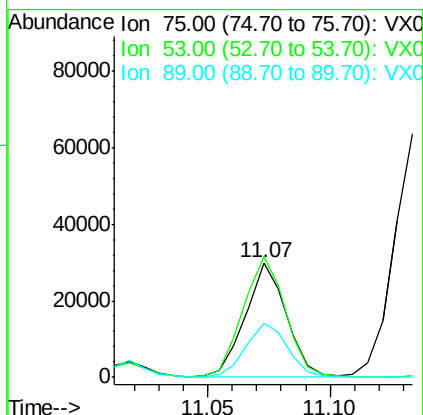
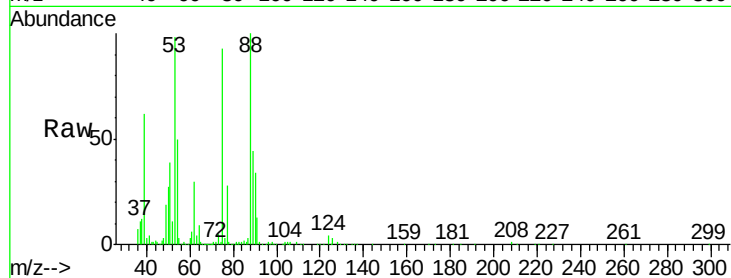
Tot Ion: 75 Resp: 34773

Ion Ratio Lower Upper

75 100

53 104.3 55.5 166.7

89 46.9 24.4 73.2



#78

4-Chlorotoluene

Concen: 19.700 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007565.D

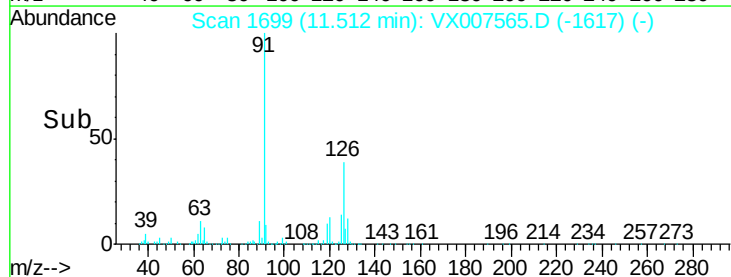
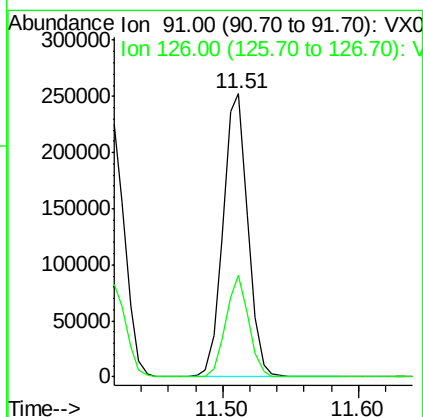
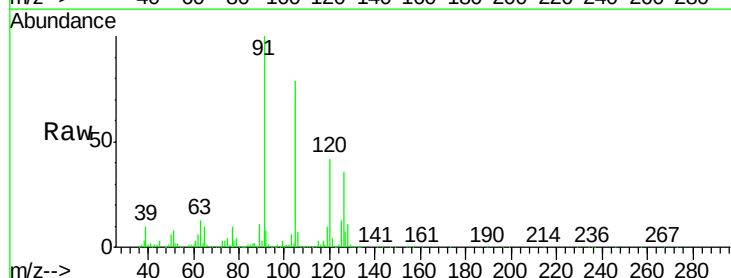
Acq: 15 Feb 2019 13:58

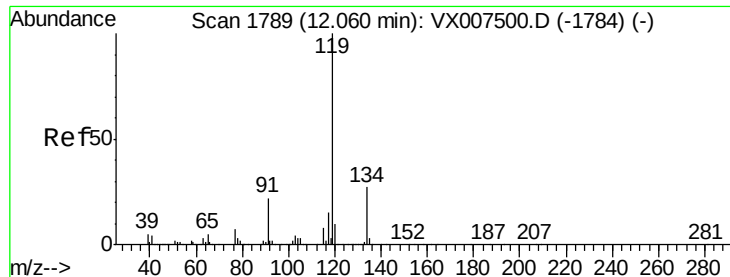
Tgt Ion: 91 Resp: 316983

Ion Ratio Lower Upper

91 100

126 33.0 0.0 66.2

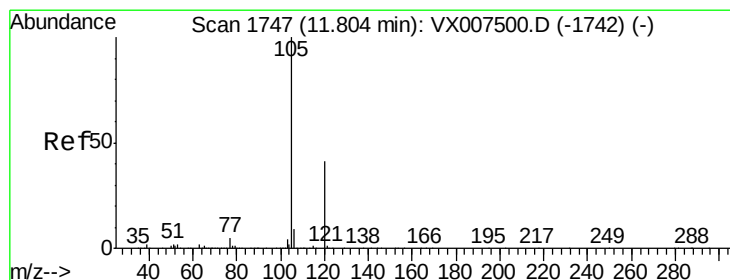
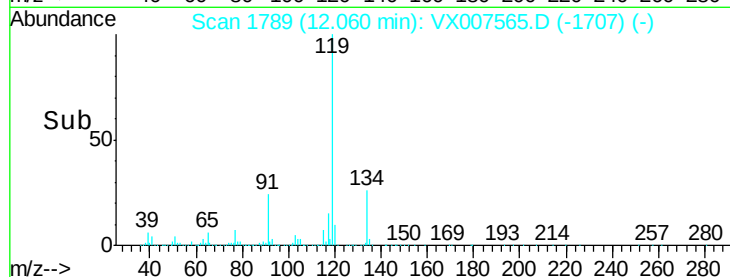
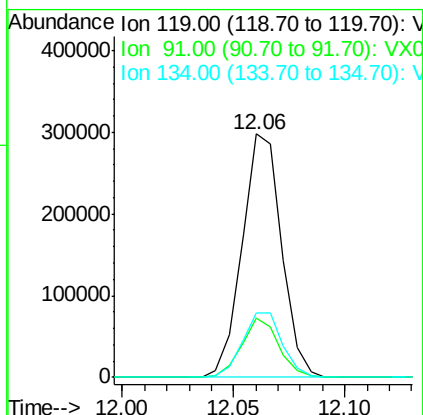
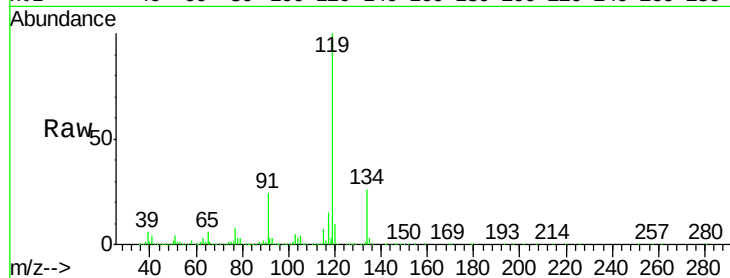




#79  
tert-butylbenzene  
Concen: 19.909 ug/l  
RT: 12.06 min Scan# 1789  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

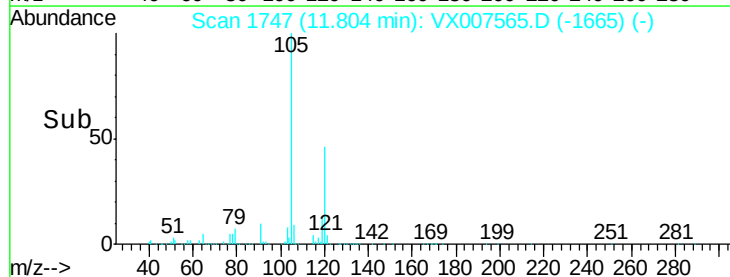
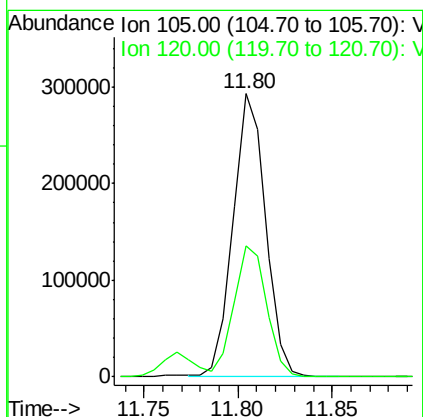
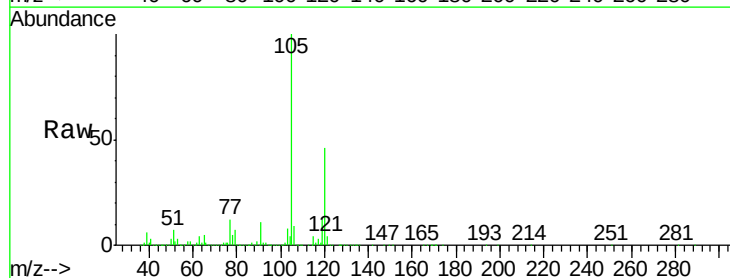
Instrument :  
MSVOA\_W  
ClientSampled :

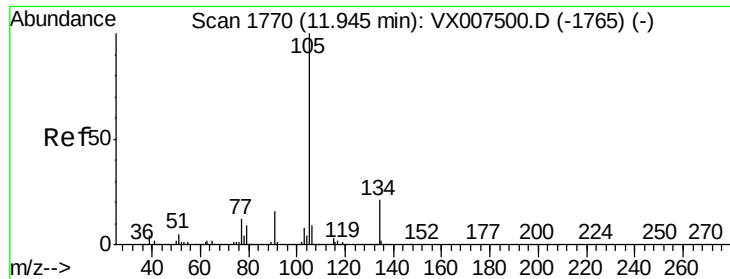
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 23.0  | 0.0   | 45.0  |
| 134     | 26.9  | 0.0   | 55.4  |



#80  
1,2,4-Trimethylbenzene  
Concen: 20.025 ug/l  
RT: 11.80 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VX007565.D  
Acq: 15 Feb 2019 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.0  | 0.0   | 94.0  |

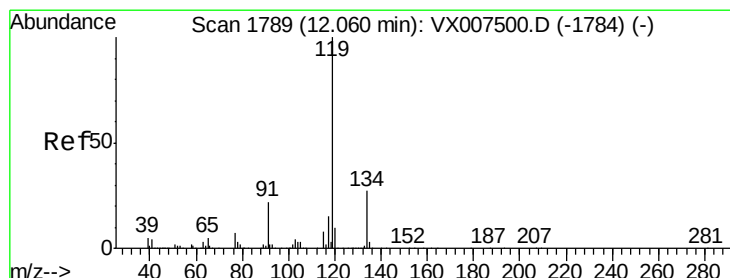
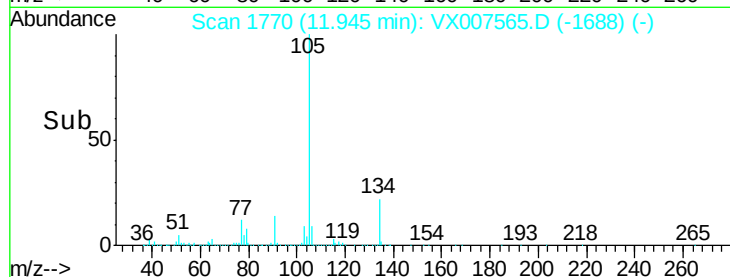
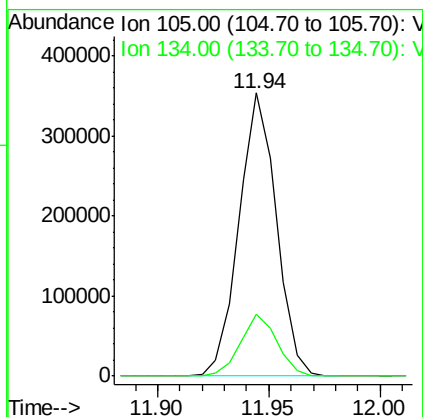
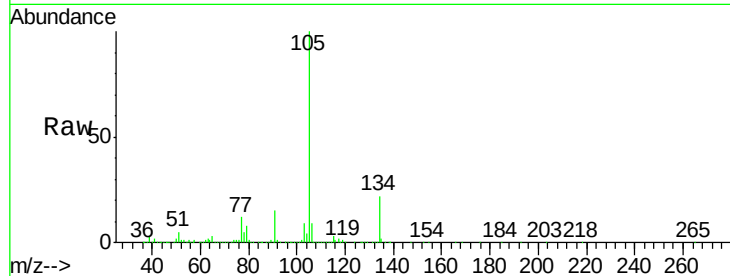




#81  
 sec-Butylbenzene  
 Concen: 19.961 ug/l  
 RT: 11.94 min Scan# 1770  
 Delta R.T. -0.00 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

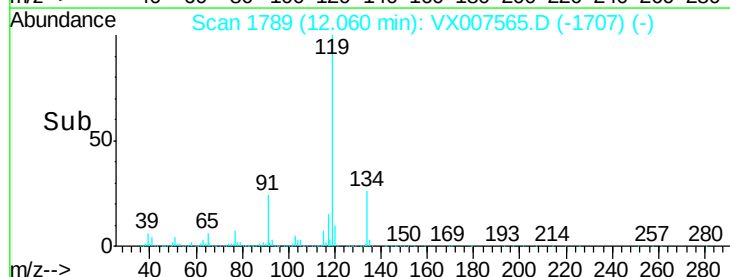
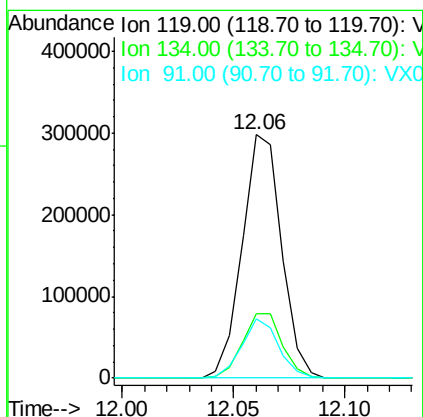
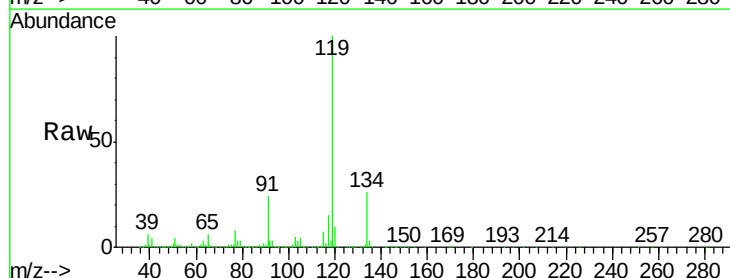
Instrument :  
 MSVOA\_W  
 ClientSampled :

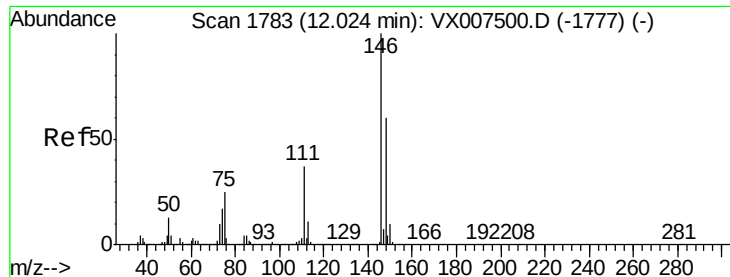
Tot Ion:105 Resp: 413151  
 Ion Ratio Lower Upper  
 105 100  
 134 21.5 0.0 41.8



#82  
 p-Isopropyltoluene  
 Concen: 19.909 ug/l  
 RT: 12.06 min Scan# 1789  
 Delta R.T. -0.00 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

Tgt Ion:119 Resp: 366423  
 Ion Ratio Lower Upper  
 119 100  
 134 26.9 0.0 55.4  
 91 23.0 0.0 45.0





#83

1,3-Dichlorobenzene

Concen: 19.431 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007565.D

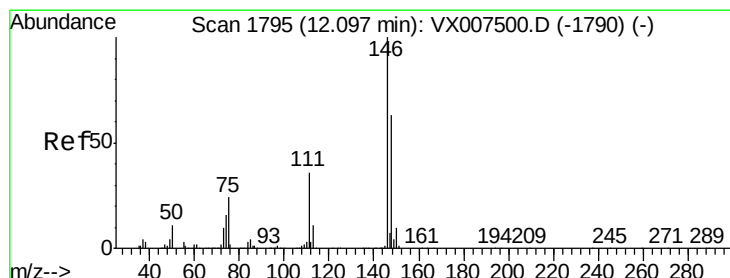
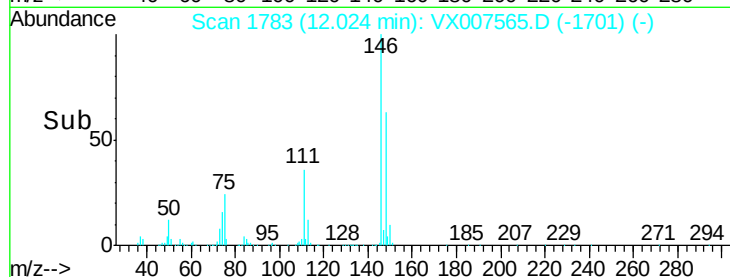
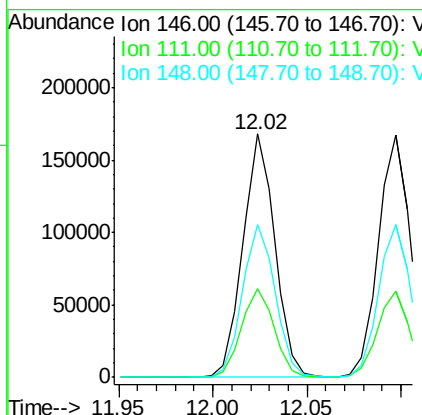
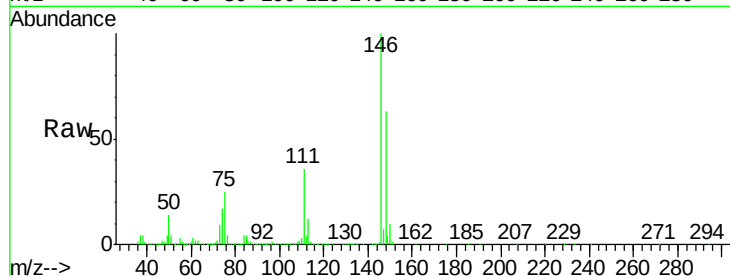
Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 146   | Resp: | 198026 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 37.2  | 18.8  | 56.3   |
| 148      | 64.1  | 30.6  | 91.8   |



#84

1,4-Dichlorobenzene

Concen: 19.570 ug/l

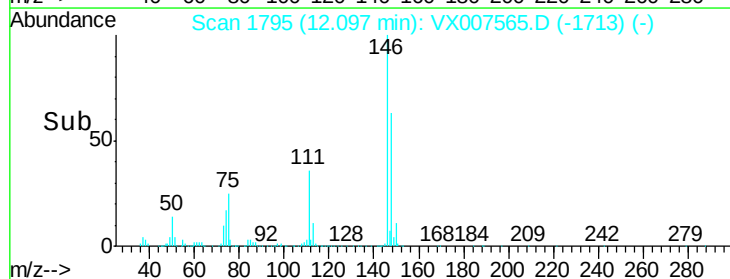
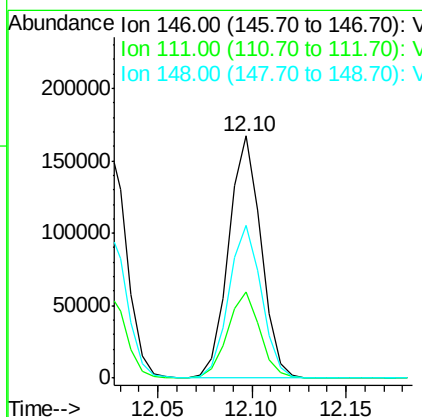
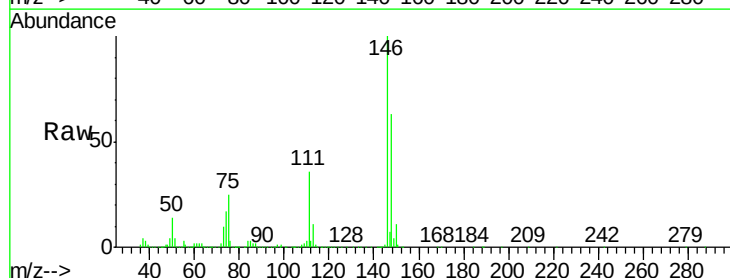
RT: 12.10 min Scan# 1795

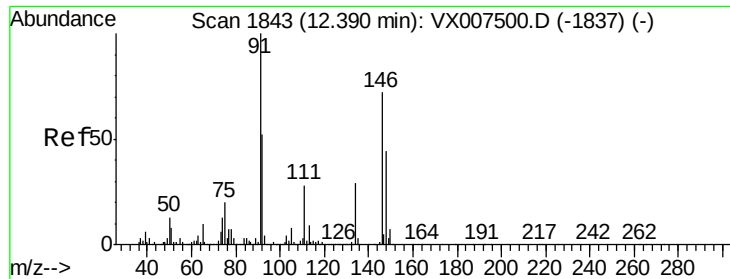
Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 199028 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 35.4  | 17.6  | 52.8   |
| 148      | 63.4  | 31.4  | 94.2   |





#85

n-Butylbenzene

Concen: 19.746 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

ClientSampleId :

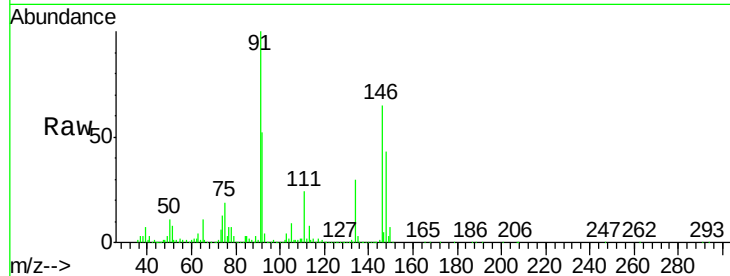
Tot Ion: 91 Resp: 301579

Ion Ratio Lower Upper

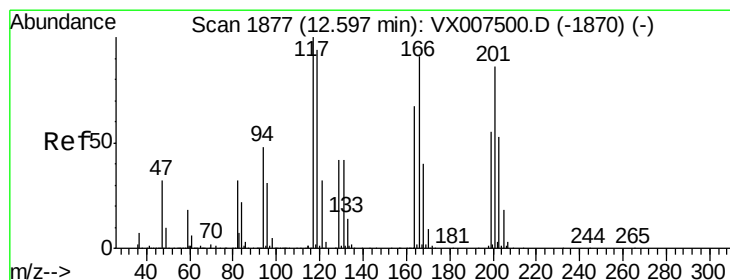
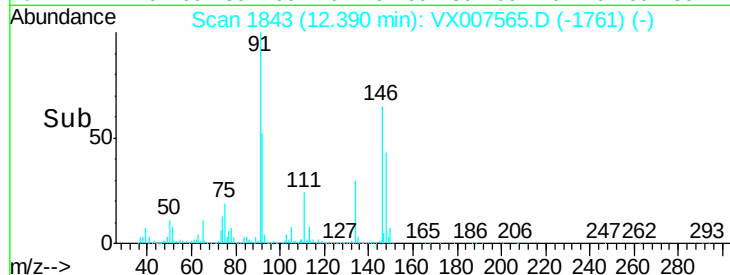
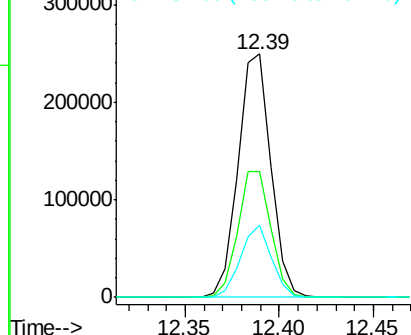
91 100

92 52.2 0.0 105.2

134 27.7 0.0 56.4



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 92.00 (91.70 to 92.70): VX0  
Ion 134.00 (133.70 to 134.70): V



#86

Hexachloroethane

Concen: 19.176 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX007565.D

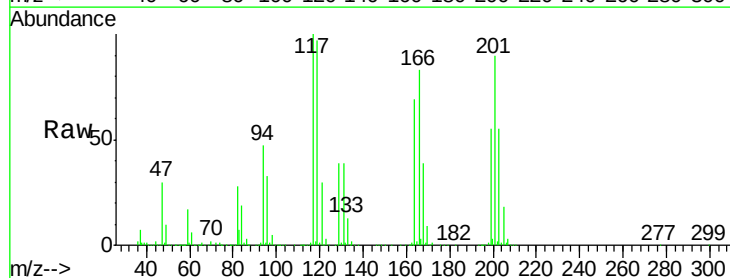
Acq: 15 Feb 2019 13:58

Tgt Ion: 117 Resp: 58595

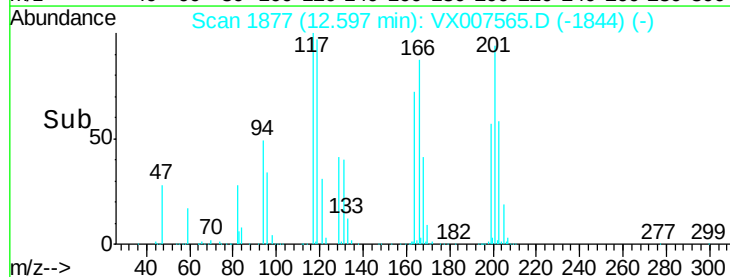
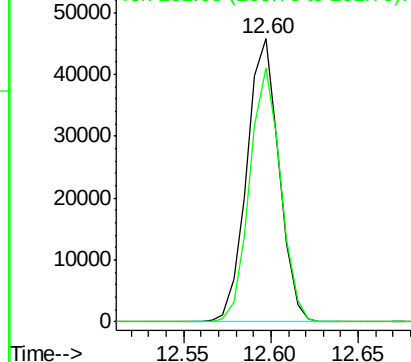
Ion Ratio Lower Upper

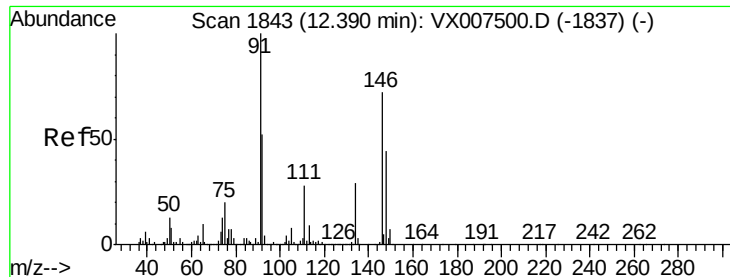
117 100

201 86.3 41.1 123.3



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

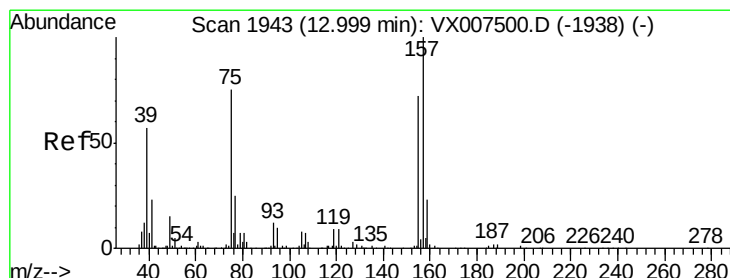
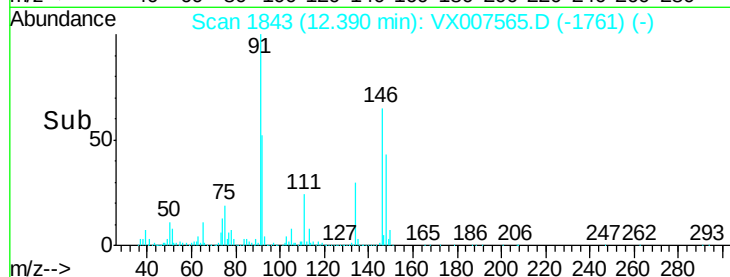
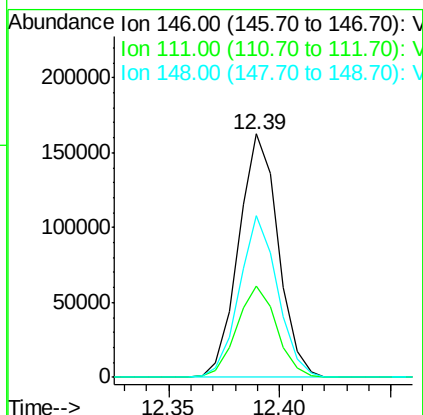
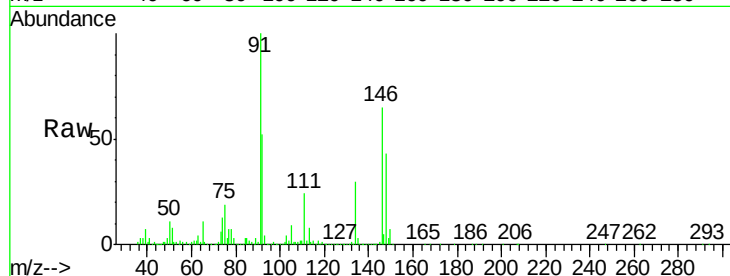




#87  
 1,2-Dichlorobenzene  
 Concen: 19.604 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

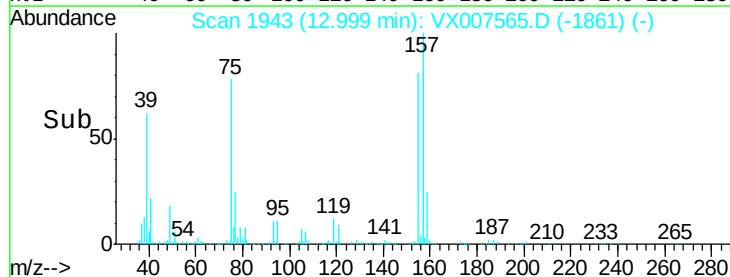
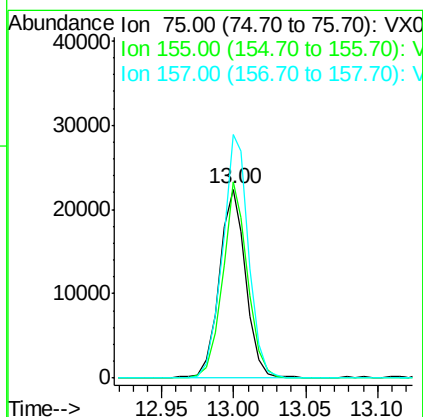
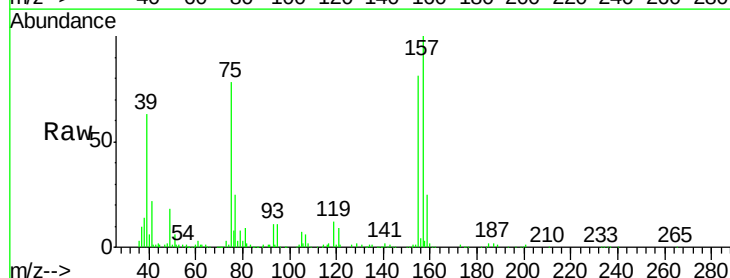
Instrument :  
 MSVOA\_W  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 19.3  | 57.8  |
| 148     | 64.5  | 32.1  | 96.3  |

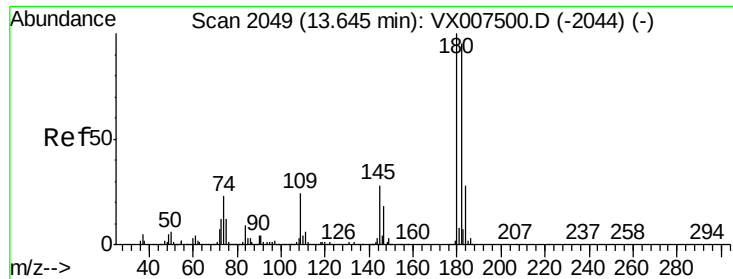


#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.610 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 98.4  | 81.0  | 121.6 |
| 157     | 127.5 | 103.2 | 154.8 |



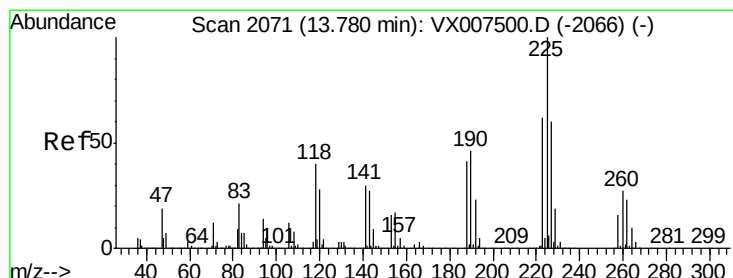
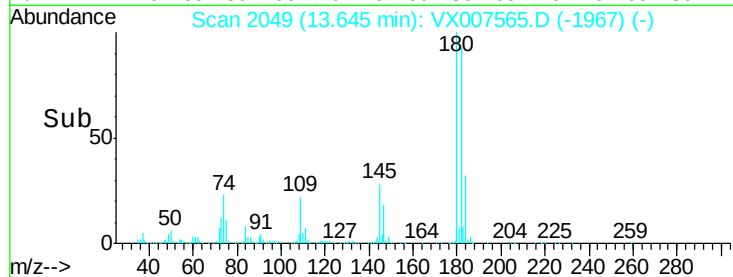
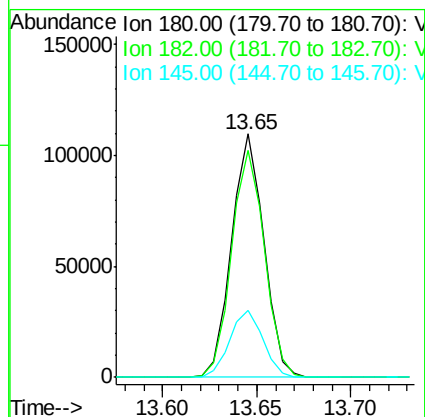
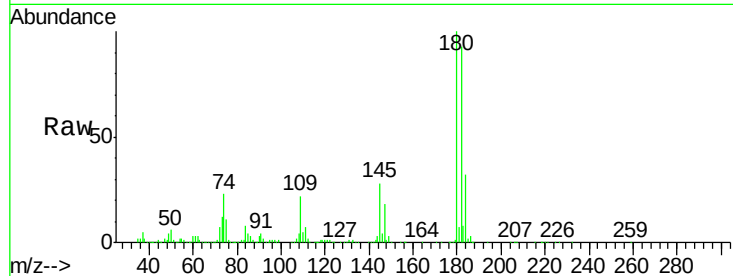




#89  
 1,2,4-Trichlorobenzene  
 Concen: 19.439 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

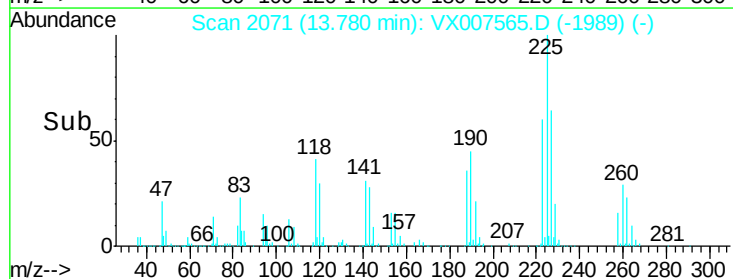
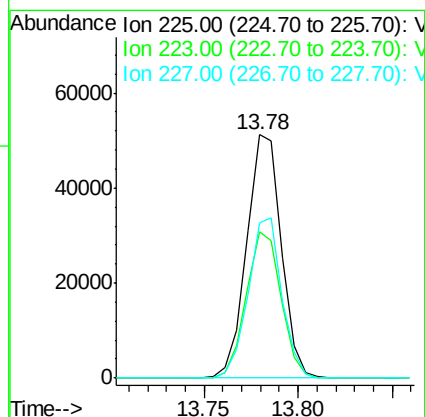
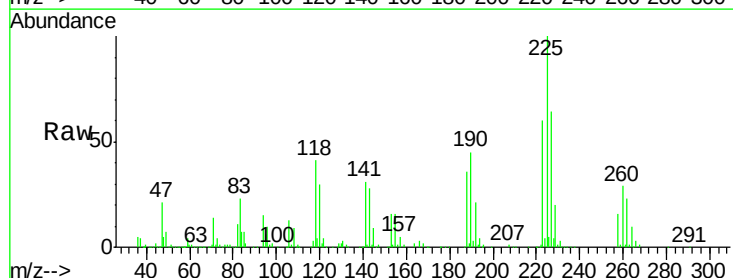
Instrument :  
 MSVOA\_W  
 ClientSampled :

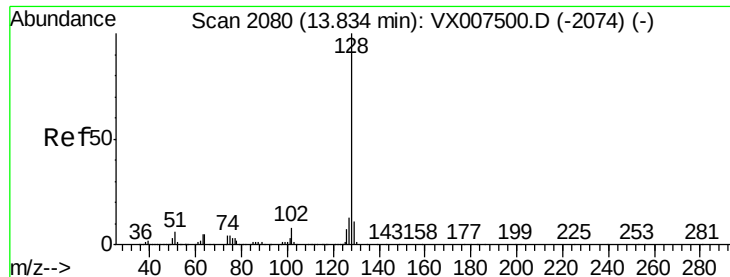
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.5  | 75.6  | 113.4 |
| 145     | 28.5  | 23.0  | 34.6  |



#90  
 Hexachlorobutadiene  
 Concen: 20.820 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. -0.00 min  
 Lab File: VX007565.D  
 Acq: 15 Feb 2019 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 60.4  | 0.0   | 123.8 |
| 227     | 63.7  | 0.0   | 124.4 |





#91

Naphthalene

Concen: 19.332 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007565.D

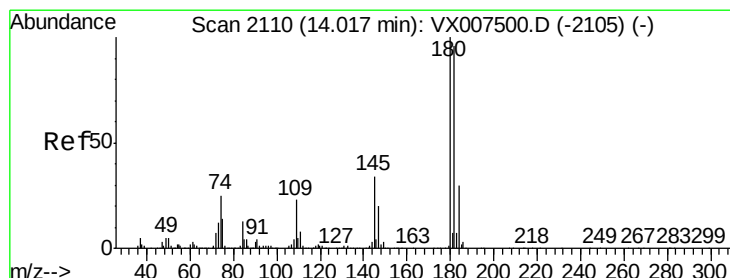
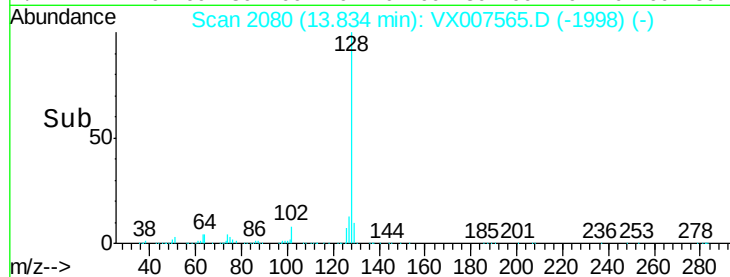
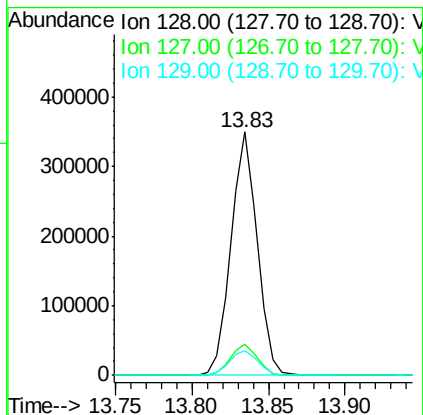
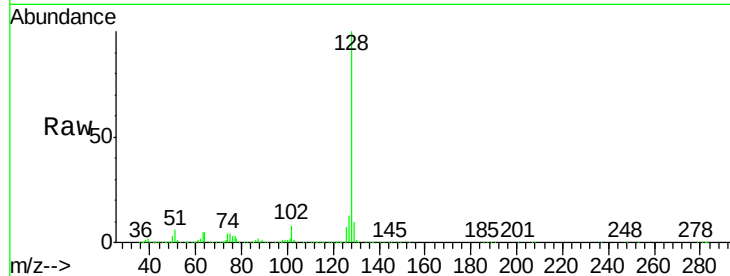
Acq: 15 Feb 2019 13:58

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 128   | Resp: | 414195 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.2  | 10.5  | 15.7   |
| 129      | 11.1  | 8.9   | 13.3   |



#92

1,2,3-Trichlorobenzene

Concen: 19.481 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007565.D

Acq: 15 Feb 2019 13:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 133043 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.8  | 0.0   | 193.0  |
| 145      | 30.6  | 0.0   | 63.0   |

