

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120318\  
 Data File : VX006265.D  
 Acq On : 03 Dec 2018 20:31  
 Operator : JC/MD  
 Sample : VX1203WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1203WBSD01

Quant Time: Dec 04 05:00:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 30 03:55:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 723163   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 1105676  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 994305   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 487332   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 365078   | 49.45 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.90% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 347463   | 48.54 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.08% |      |
| 50) Toluene-d8            | 8.71   | 98  | 1247648  | 47.91 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.82% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 457341   | 46.61 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.22% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 146888  | 20.745 | ug/l | 97     |
| 3) Chloromethane              | 1.33 | 50  | 137712  | 18.926 | ug/l | 96     |
| 4) Vinyl Chloride             | 1.41 | 62  | 153197  | 19.562 | ug/l | 96     |
| 5) Bromomethane               | 1.64 | 94  | 112667  | 20.759 | ug/l | 99     |
| 6) Chloroethane               | 1.73 | 64  | 93995   | 19.575 | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 240432  | 20.001 | ug/l | 99     |
| 8) Diethyl Ether              | 2.19 | 74  | 91209   | 20.048 | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 133526  | 19.534 | ug/l | 100    |
| 10) Methyl Iodide             | 2.51 | 142 | 199905  | 19.406 | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.07 | 59  | 194059  | 96.121 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 2.38 | 96  | 128386  | 19.620 | ug/l | 93     |
| 13) Acrolein                  | 2.29 | 56  | 90573   | 82.081 | ug/l | 99     |
| 14) Allyl chloride            | 2.73 | 41  | 238134  | 18.422 | ug/l | 99     |
| 15) Acrylonitrile             | 3.15 | 53  | 407068  | 96.623 | ug/l | 100    |
| 16) Acetone                   | 2.45 | 43  | 343131  | 99.043 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.57 | 76  | 378996  | 18.796 | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 251426  | 21.701 | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 453928  | 19.445 | ug/l | 100    |
| 20) Methylene Chloride        | 2.86 | 84  | 145560  | 19.742 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 133980  | 19.213 | ug/l | 99     |
| 22) Diisopropyl ether         | 3.87 | 45  | 399995  | 19.811 | ug/l | 98     |
| 23) Vinyl Acetate             | 3.82 | 43  | 1712890 | 99.467 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 231713  | 20.079 | ug/l | 99     |
| 25) 2-Butanone                | 4.70 | 43  | 493990  | 99.931 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 173365  | 16.278 | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 157514  | 20.250 | ug/l | 97     |
| 28) Bromochloromethane        | 5.02 | 49  | 100122  | 19.863 | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 341527  | 99.408 | ug/l | 98     |
| 30) Chloroform                | 5.22 | 83  | 247738  | 20.428 | ug/l | 100    |
| 31) Cyclohexane               | 5.57 | 56  | 211440  | 19.826 | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 231311  | 20.046 | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 178098  | 19.128 | ug/l | 99     |
| 37) Ethyl Acetate             | 4.85 | 43  | 197746  | 18.965 | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 210388  | 19.207 | ug/l | 98     |

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 Sample : VX1203WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1203WBSD01

Quant Time: Dec 04 05:00:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 30 03:55:33 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 231566   | 19.160  | ug/l   | 98       |
| 40) Benzene                    | 6.14  | 78   | 550239   | 19.731  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.06  | 41   | 108400   | 18.893  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 180540   | 19.781  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 324500   | 18.666  | ug/l   | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 165693   | 19.613  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 136537   | 19.264  | ug/l   | 98       |
| 46) Dibromomethane             | 7.66  | 93   | 99672    | 19.472  | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.90  | 83   | 195963   | 19.769  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.77  | 41   | 159267   | 18.831  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 80650    | 386.907 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 965006   | 95.352  | ug/l   | 99       |
| 52) Toluene                    | 8.79  | 92   | 360197   | 19.633  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 208528   | 17.988  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 222796   | 18.508  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 146132   | 19.606  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 221696   | 19.026  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 233124   | 19.779  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 570064   | 96.410  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 734237   | 94.960  | ug/l   | 100      |
| 60) Dibromochloromethane       | 9.59  | 129  | 175035   | 19.044  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 161206   | 19.343  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 153665   | 20.521  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.14 | 112  | 417443   | 19.778  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 160489   | 19.570  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 678953   | 19.341  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 539616   | 38.374  | ug/l   | 100      |
| 69) o-Xylene                   | 10.70 | 106  | 266205   | 19.165  | ug/l   | 99       |
| 70) Styrene                    | 10.71 | 104  | 427569   | 19.033  | ug/l   | 98       |
| 71) Bromoform                  | 10.86 | 173  | 139653   | 18.040  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 701680   | 20.849  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 280715   | 19.370  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 224517   | 20.853  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 257325   | 27.357  | ug/l   | 87       |
| 77) Bromobenzene               | 11.26 | 156  | 191211   | 20.473  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.36 | 91   | 755157   | 20.186  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 453730   | 20.406  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 572425   | 20.443  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 70397    | 17.563  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 522487   | 20.211  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 609222   | 20.391  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 592439   | 20.490  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 691513   | 20.345  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 616195   | 20.133  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 334138   | 20.106  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 326390   | 19.350  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.39 | 91   | 501192   | 19.192  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 123269   | 19.762  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 328272   | 19.903  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 53028    | 19.213  | ug/l   | 94       |

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Acq On : 03 Dec 2018 20:31  
Operator : JC/MD  
Sample : VX1203WBSD01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 25 Sample Multiplier: 1

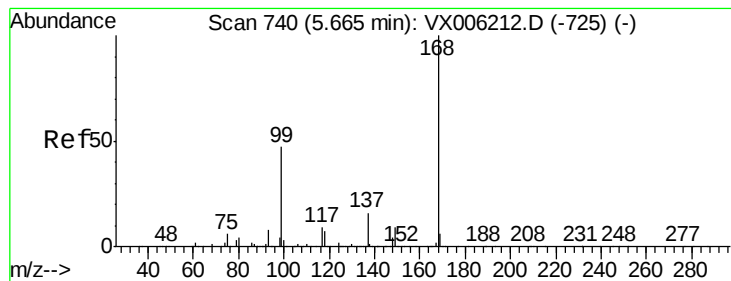
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203WBSD01

Quant Time: Dec 04 05:00:02 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 30 03:55:33 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 230245   | 19.134 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 104060   | 19.555 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 752721   | 20.110 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 229710   | 19.274 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

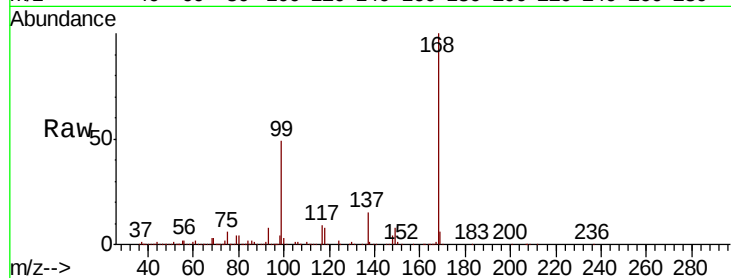
VX1203WBSD01

Tot Ion:168 Resp: 723163

Ion Ratio Lower Upper

168 100

99 49.1 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

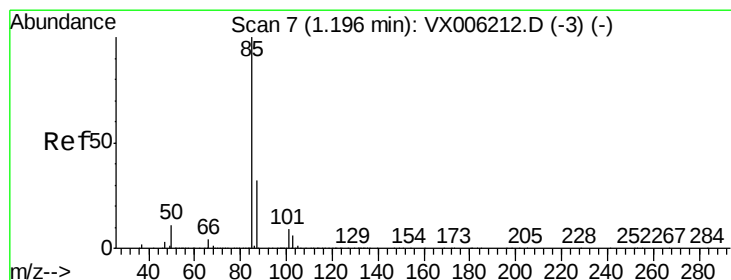
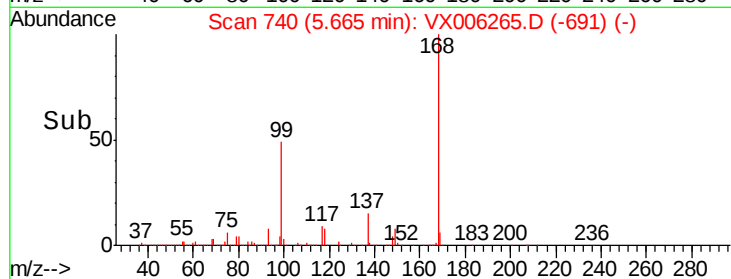
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.745 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX006265.D

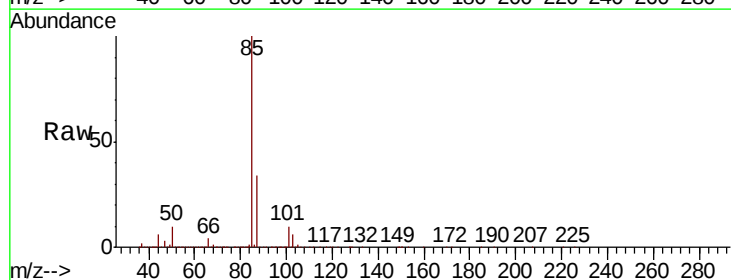
Acq: 03 Dec 2018 20:31

Tgt Ion: 85 Resp: 146888

Ion Ratio Lower Upper

85 100

87 34.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

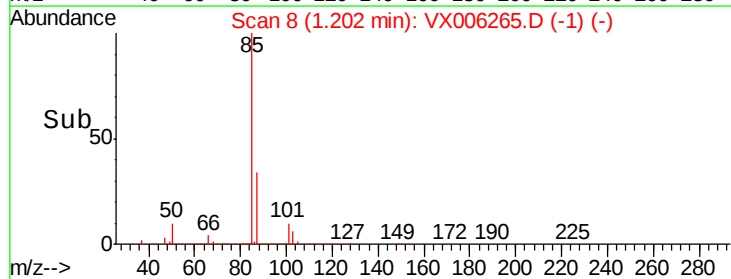
1.20

100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 18.926 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

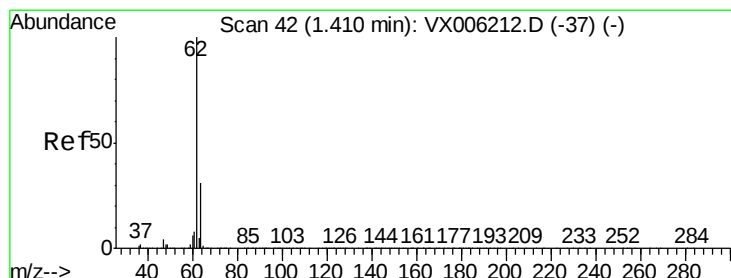
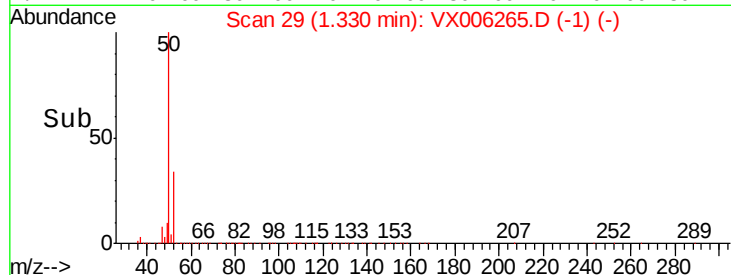
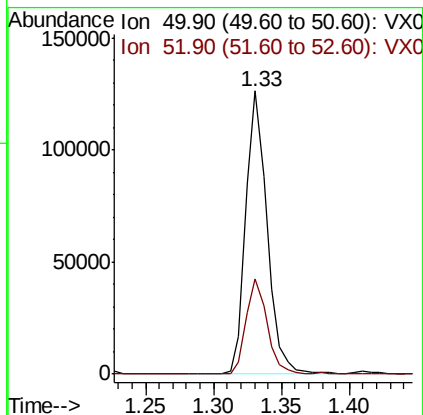
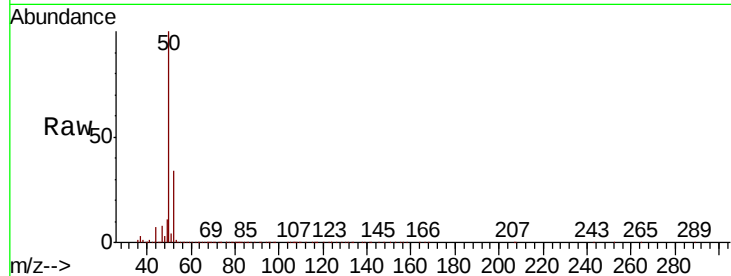
VX1203WBSD01

Tot Ion: 50 Resp: 137712

Ion Ratio Lower Upper

50 100

52 33.5 25.2 37.8



#4

Vinyl Chloride

Concen: 19.562 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006265.D

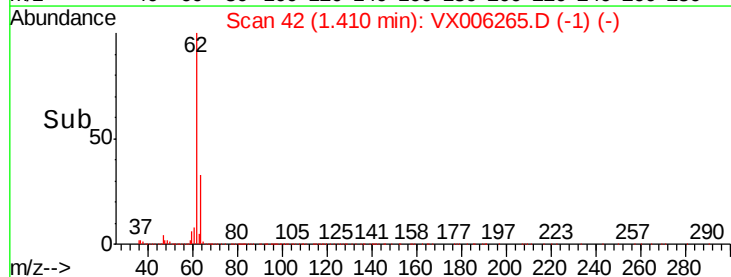
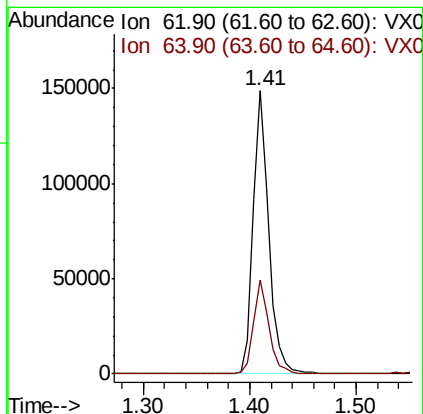
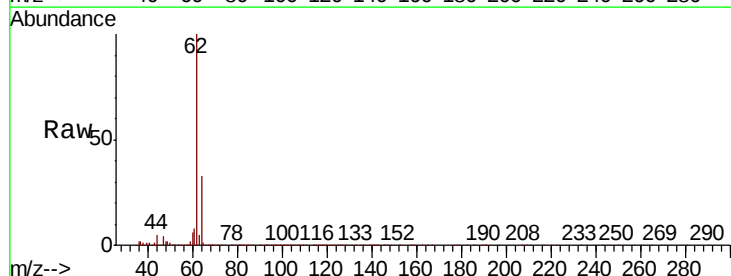
Acq: 03 Dec 2018 20:31

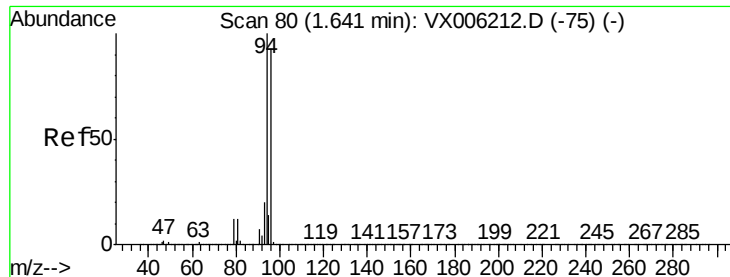
Tgt Ion: 62 Resp: 153197

Ion Ratio Lower Upper

62 100

64 33.2 24.9 37.3





#5

Bromomethane

Concen: 20.759 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

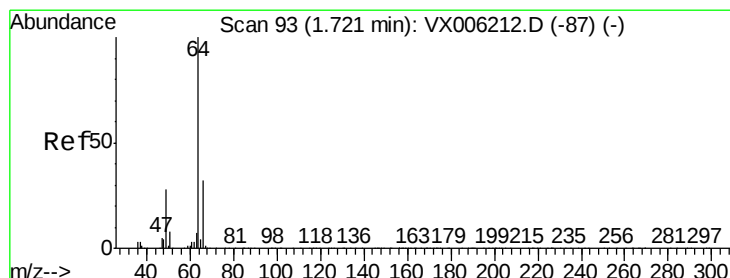
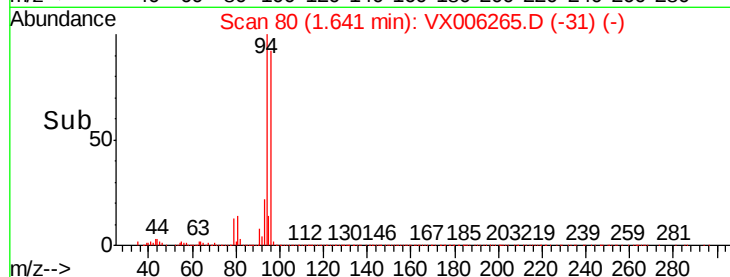
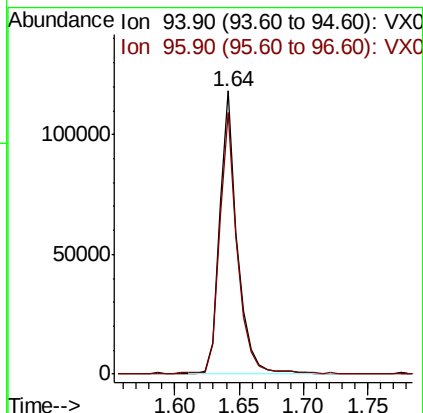
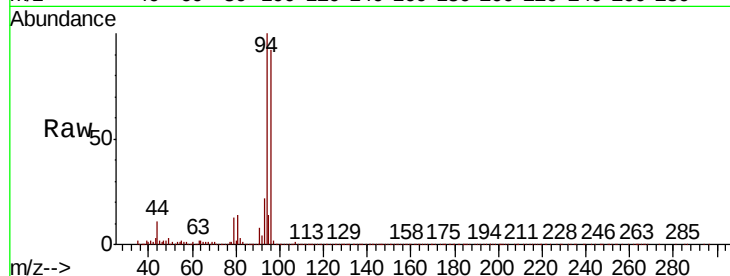
VX1203WBSD01

Tot Ion: 94 Resp: 112667

Ion Ratio Lower Upper

94 100

96 92.2 74.5 111.7



#6

Chloroethane

Concen: 19.575 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006265.D

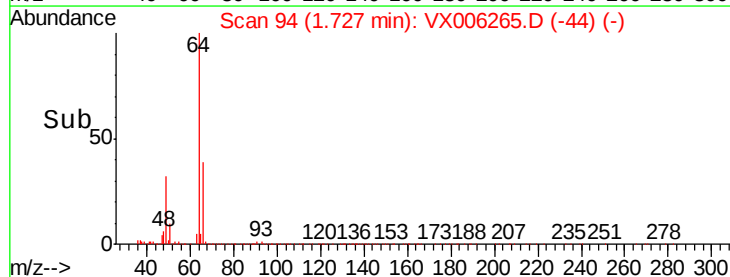
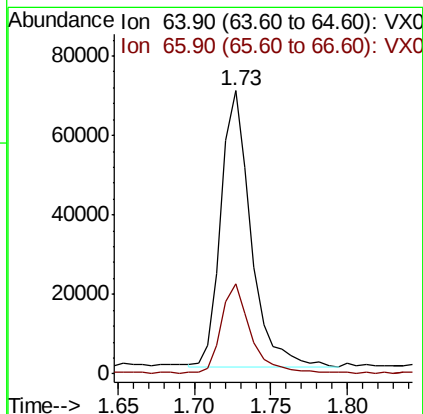
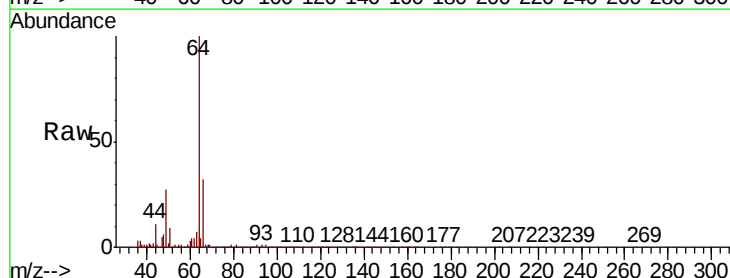
Acq: 03 Dec 2018 20:31

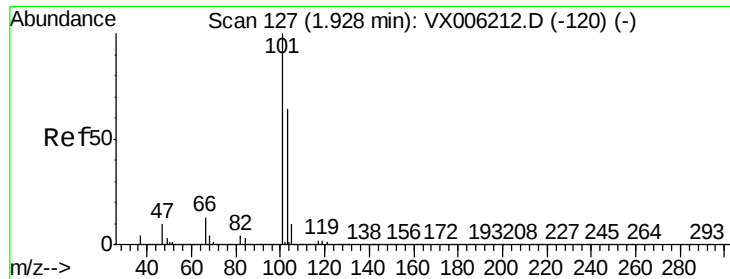
Tgt Ion: 64 Resp: 93995

Ion Ratio Lower Upper

64 100

66 32.2 25.9 38.9



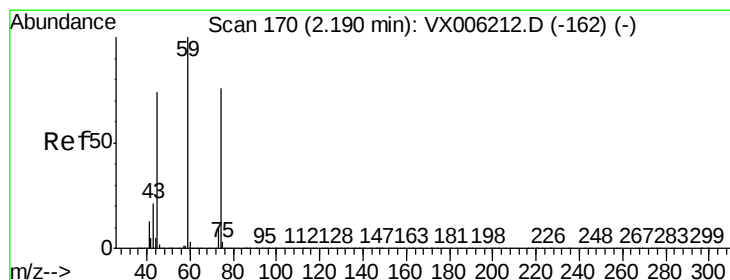
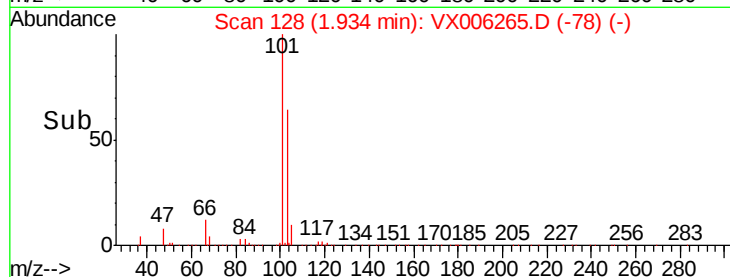
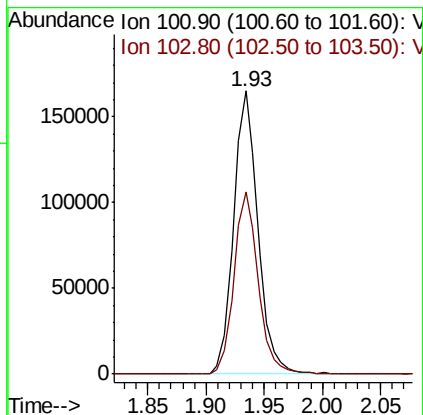
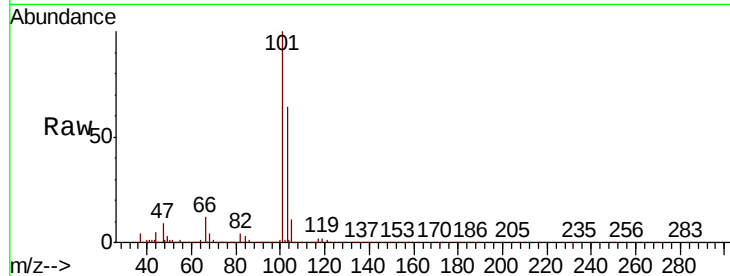


#7

Trichlorofluoromethane  
 Concen: 20.001 ug/l  
 RT: 1.93 min Scan# 128  
 Delta R.T. 0.01 min  
 Lab File: VX006265.D  
 Acq: 03 Dec 2018 20:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1203WBSD01

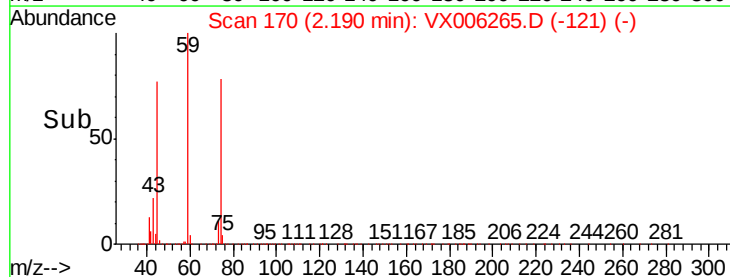
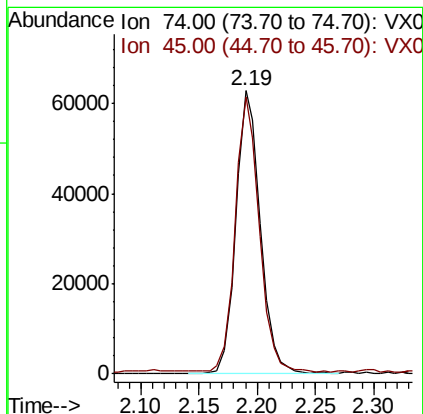
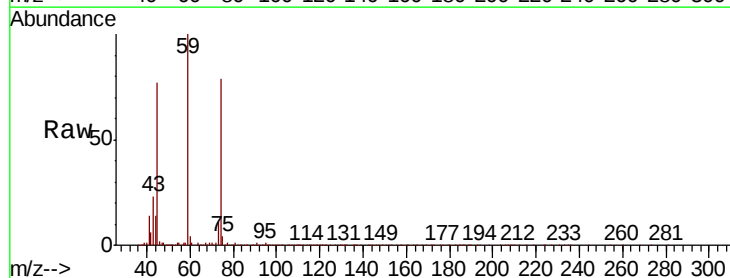
Tot Ion:101 Resp: 240432  
 Ion Ratio Lower Upper  
 101 100  
 103 64.2 51.0 76.4

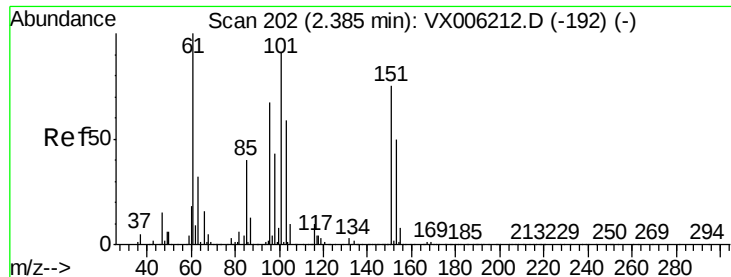


#8

Diethyl Ether  
 Concen: 20.048 ug/l  
 RT: 2.19 min Scan# 170  
 Delta R.T. -0.00 min  
 Lab File: VX006265.D  
 Acq: 03 Dec 2018 20:31

Tgt Ion: 74 Resp: 91209  
 Ion Ratio Lower Upper  
 74 100  
 45 95.6 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.534 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

VX1203WBSD01

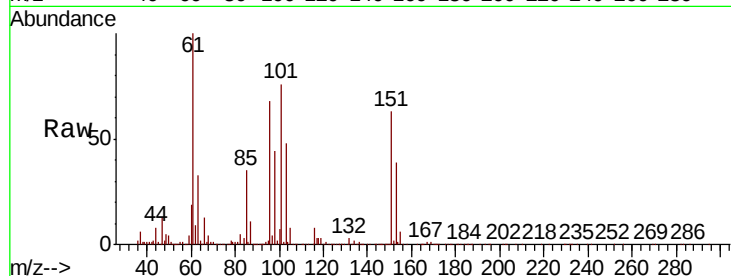
Tot Ion:101 Resp: 133526

Ion Ratio Lower Upper

101 100

85 44.1 35.5 53.3

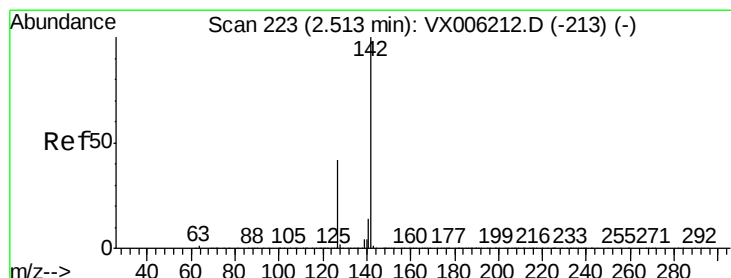
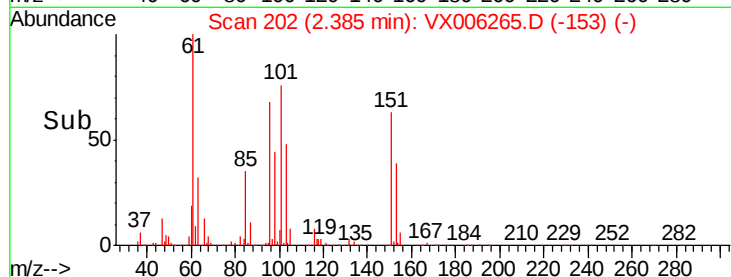
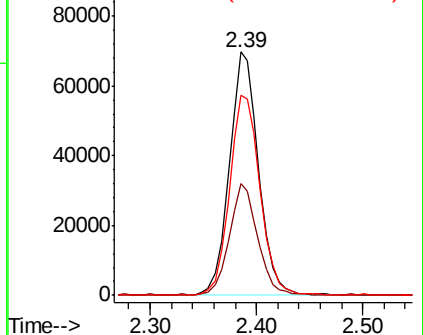
151 86.2 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.406 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

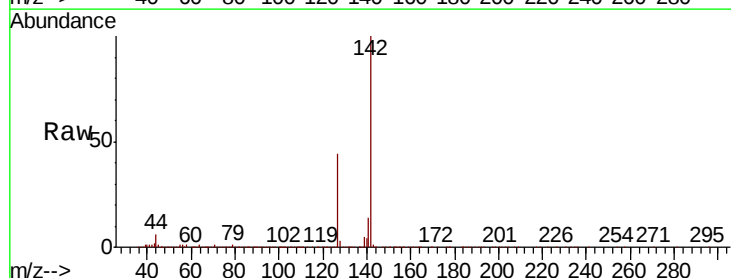
Tgt Ion:142 Resp: 199905

Ion Ratio Lower Upper

142 100

127 43.4 34.8 52.2

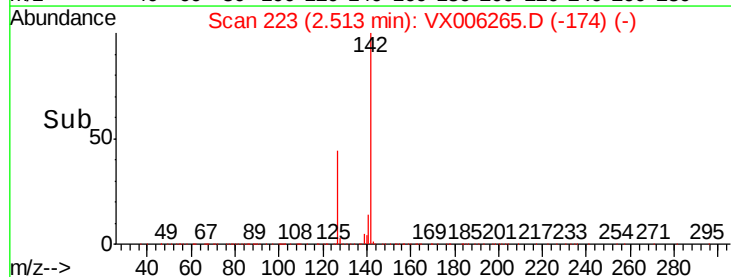
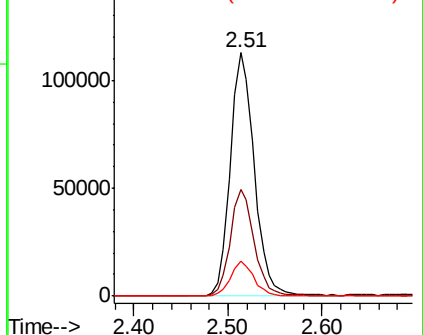
141 14.3 11.4 17.2

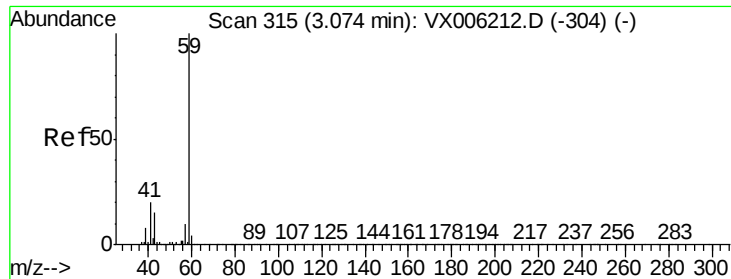


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

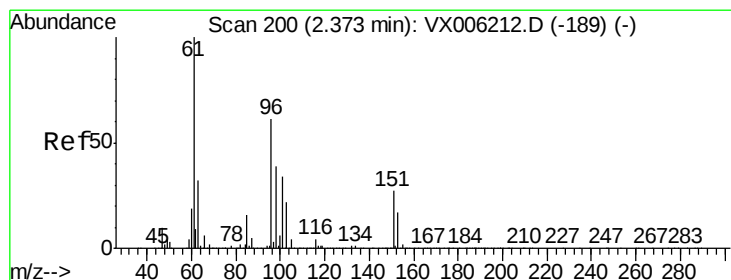
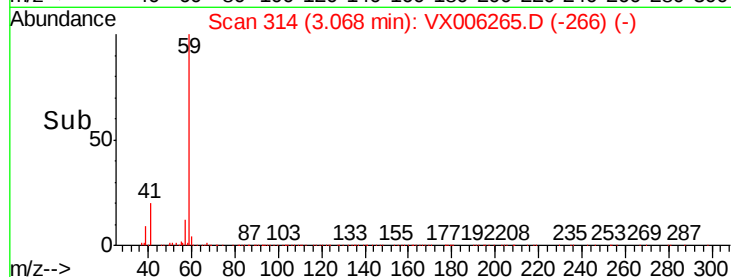
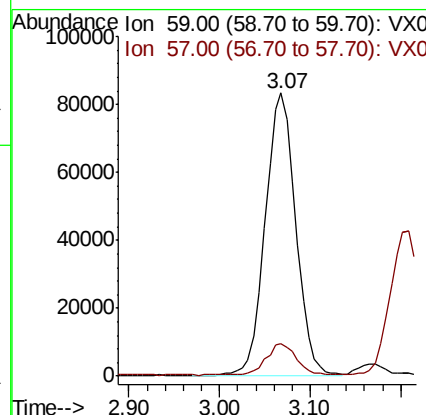
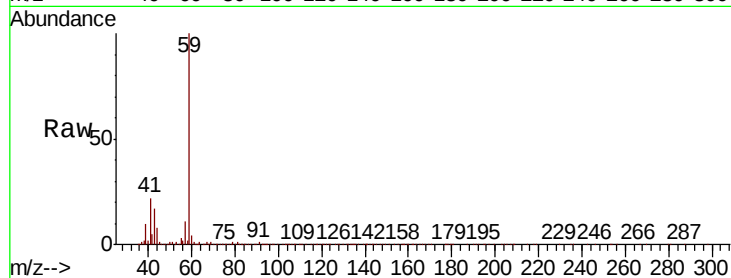




#11  
Tert butyl alcohol  
Concen: 96.121 ug/l  
RT: 3.07 min Scan# 314  
Delta R.T. -0.01 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

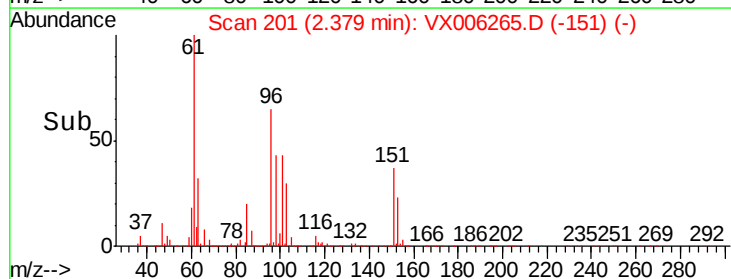
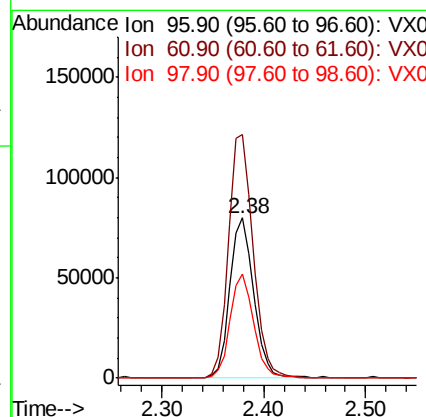
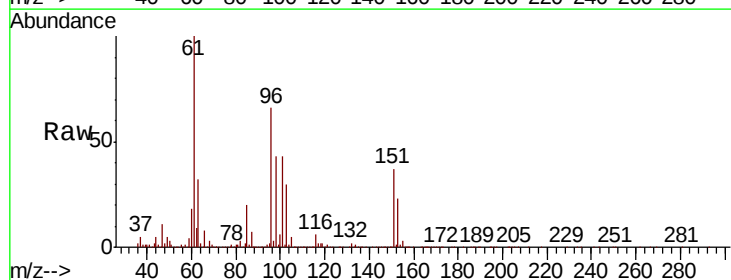
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203WBSD01

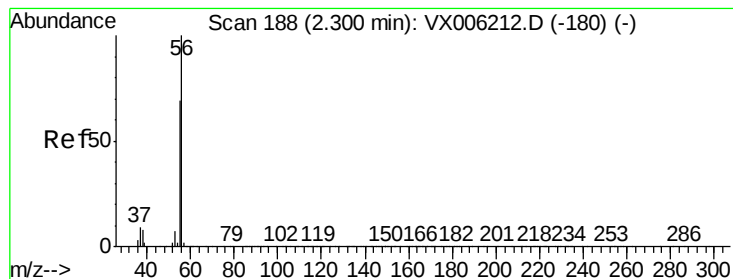
Tot Ion: 59 Resp: 194059  
Ion Ratio Lower Upper  
59 100  
57 10.9 8.2 12.2



#12  
1,1-Dichloroethene  
Concen: 19.620 ug/l  
RT: 2.38 min Scan# 201  
Delta R.T. 0.01 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Tgt Ion: 96 Resp: 128386  
Ion Ratio Lower Upper  
96 100  
61 152.3 131.7 197.5  
98 65.1 51.8 77.6





#13

Acrolein

Concen: 82.081 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

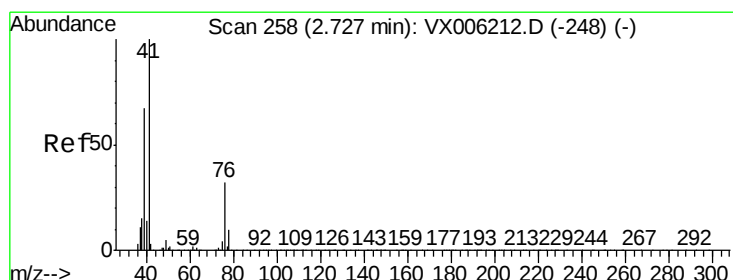
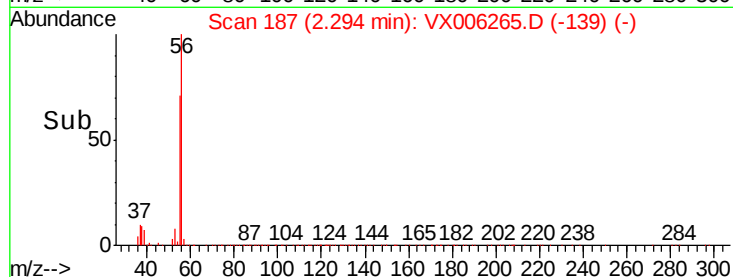
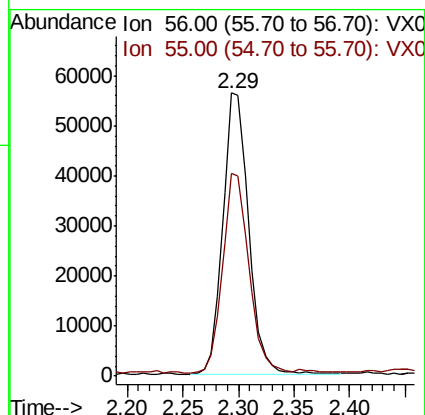
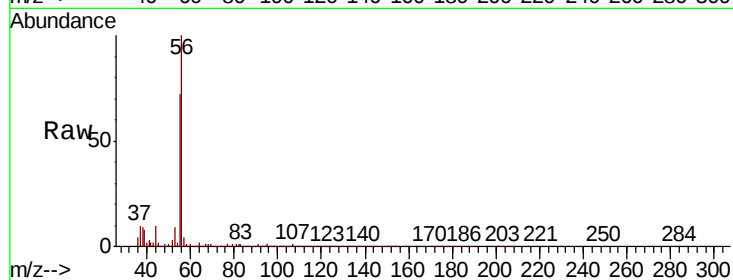
VX1203WBSD01

Tot Ion: 56 Resp: 90573

Ion Ratio Lower Upper

56 100

55 71.7 57.8 86.6



#14

Allyl chloride

Concen: 18.422 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

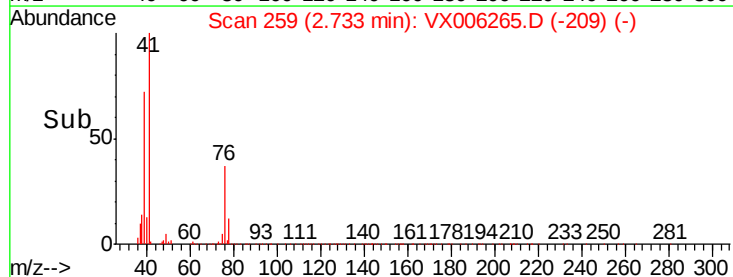
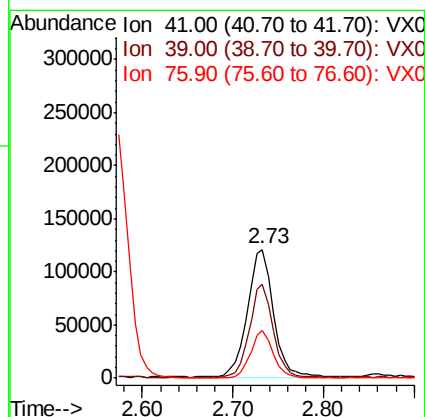
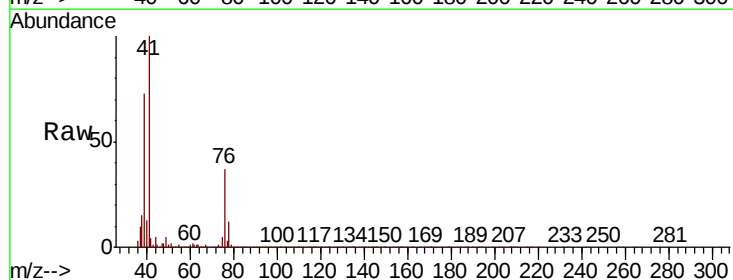
Tgt Ion: 41 Resp: 238134

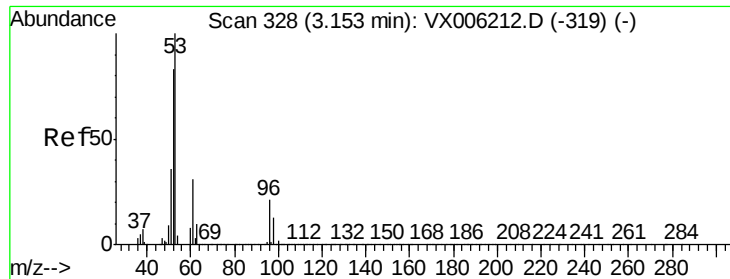
Ion Ratio Lower Upper

41 100

39 66.7 52.4 78.6

76 32.3 25.4 38.0





#15

Acrylonitrile

Concen: 96.623 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

VX1203WBSD01

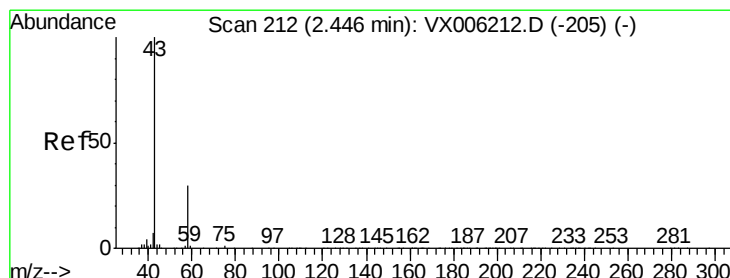
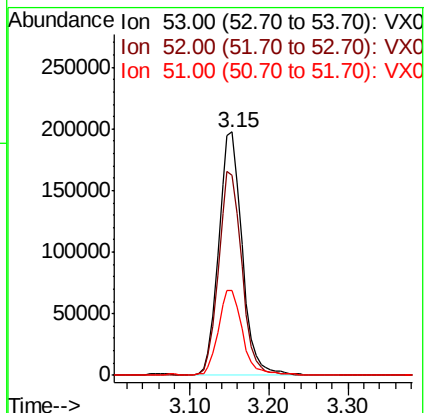
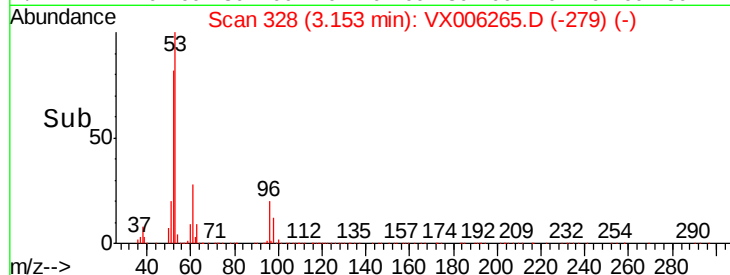
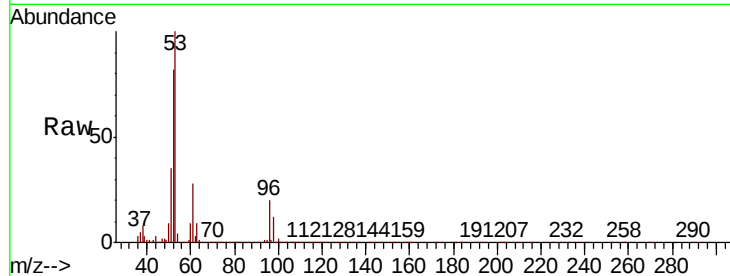
Tot Ion: 53 Resp: 407068

Ion Ratio Lower Upper

53 100

52 83.0 66.2 99.4

51 36.1 28.7 43.1



#16

Acetone

Concen: 99.043 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006265.D

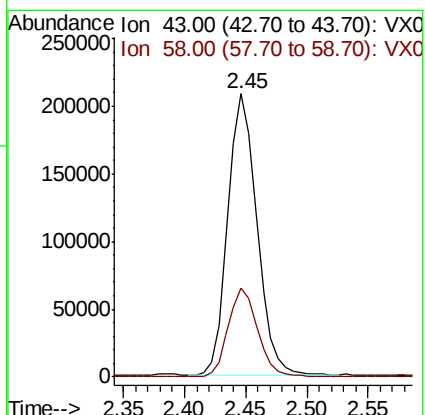
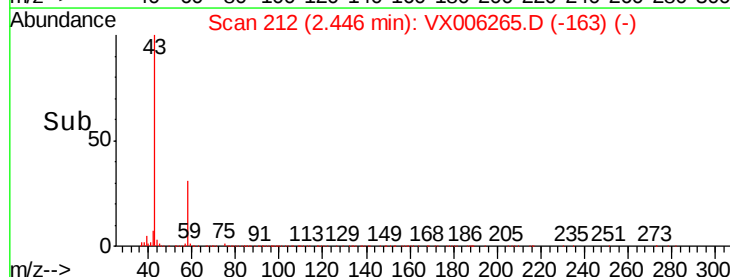
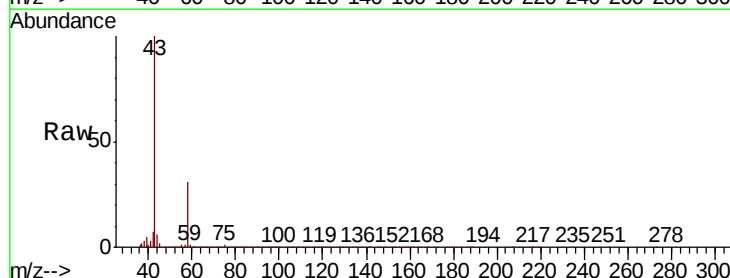
Acq: 03 Dec 2018 20:31

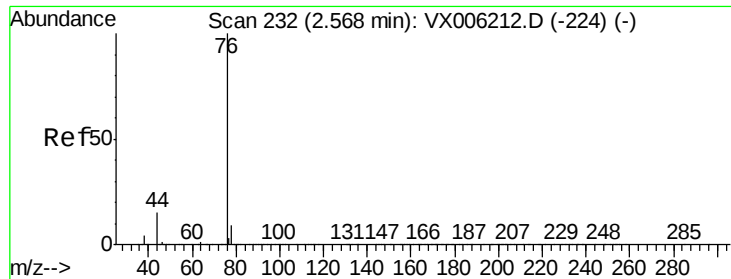
Tgt Ion: 43 Resp: 343131

Ion Ratio Lower Upper

43 100

58 31.3 24.0 36.0





#17

Carbon Disulfide

Concen: 18.796 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

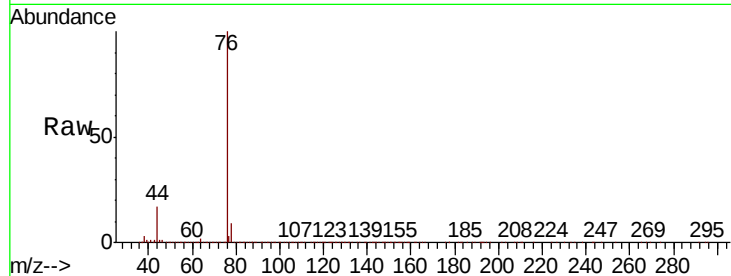
VX1203WBSD01

Tot Ion: 76 Resp: 378996

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

100000

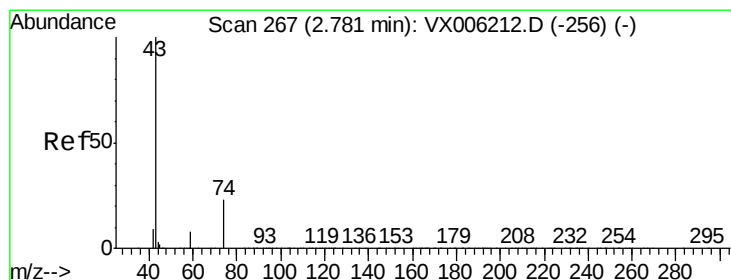
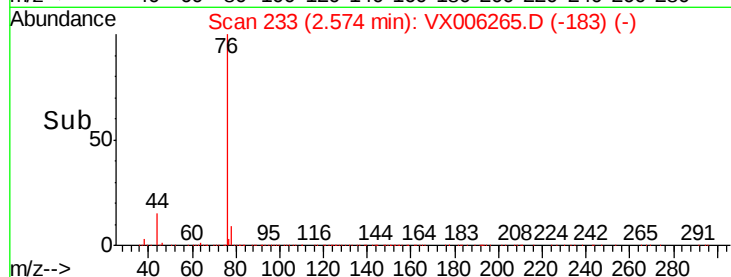
50000

0

2.57

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 21.701 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX006265.D

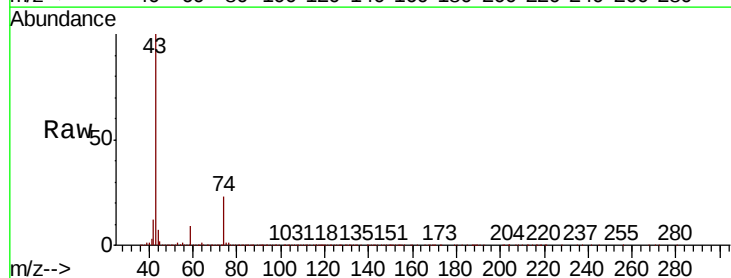
Acq: 03 Dec 2018 20:31

Tgt Ion: 43 Resp: 251426

Ion Ratio Lower Upper

43 100

74 22.5 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

150000

100000

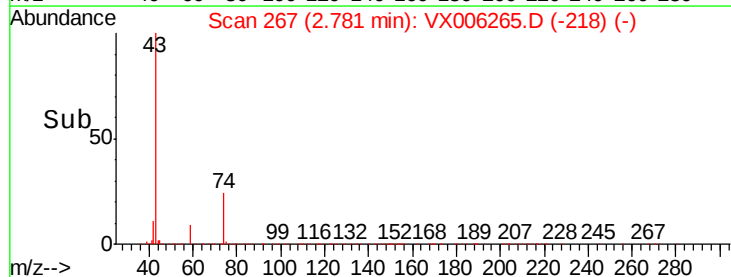
50000

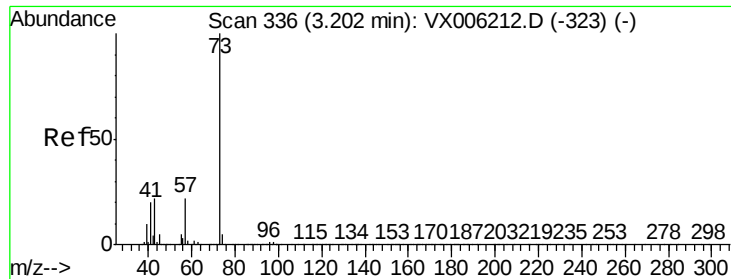
0

2.78

2.70 2.75 2.80 2.85 2.90

Time-->

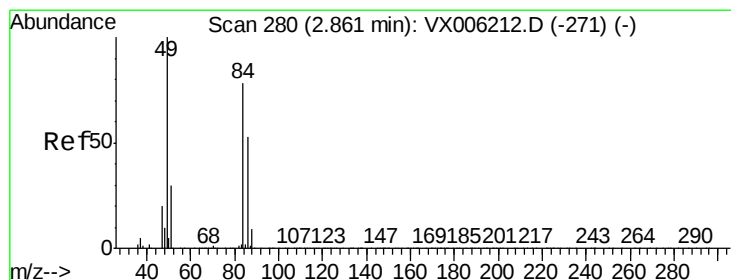
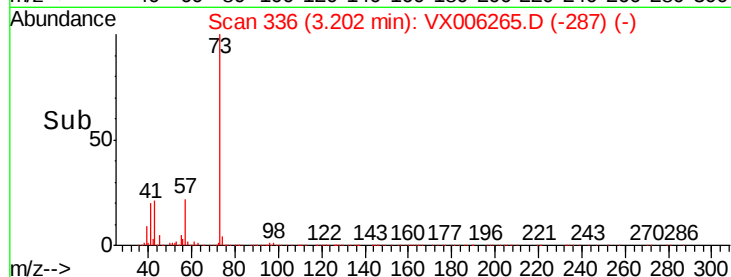
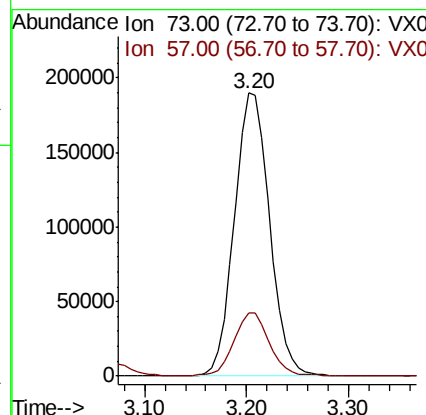
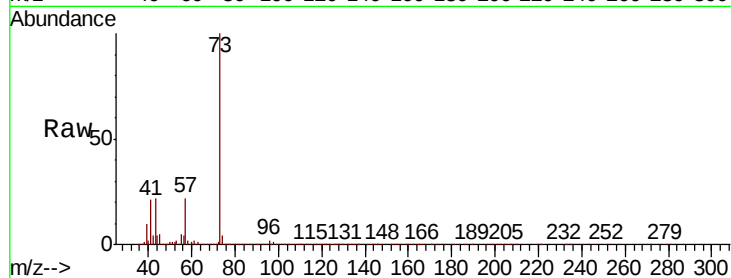




#19  
Methvl tert-butvl Ether  
Concen: 19.445 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

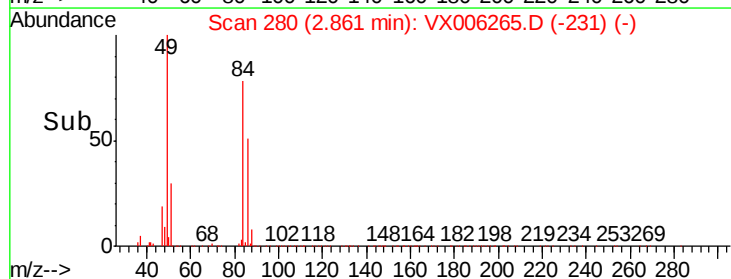
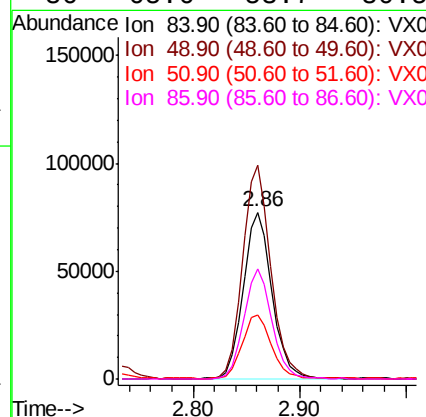
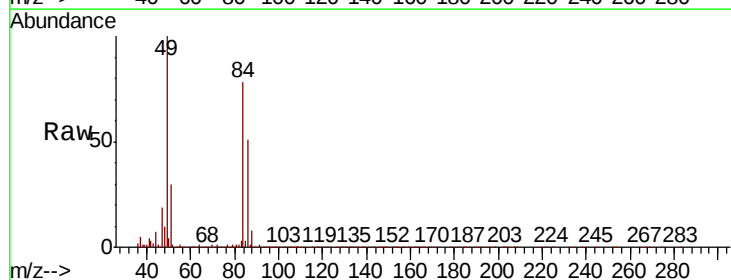
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203WBSD01

Tot Ion: 73 Resp: 453928  
Ion Ratio Lower Upper  
73 100  
57 21.9 17.5 26.3



#20  
Methylene Chloride  
Concen: 19.742 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Tgt Ion: 84 Resp: 145560  
Ion Ratio Lower Upper  
84 100  
49 128.0 102.2 153.4  
51 37.7 31.1 46.7  
86 65.6 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 19.213 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

VX1203WBSD01

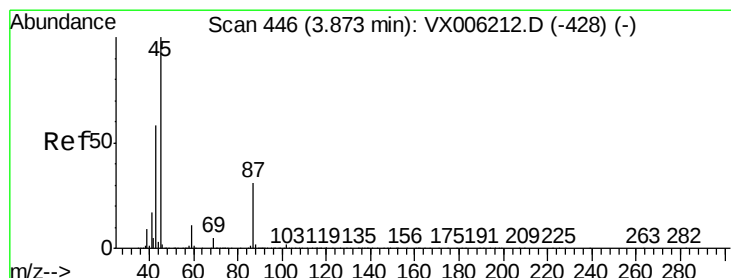
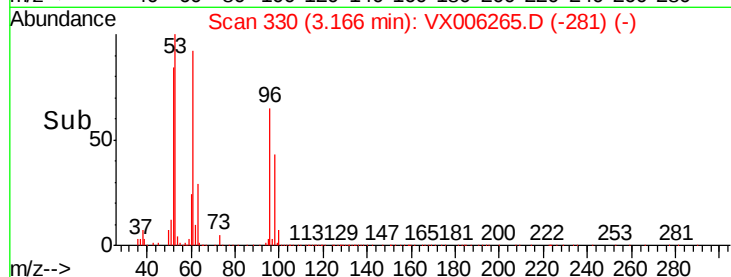
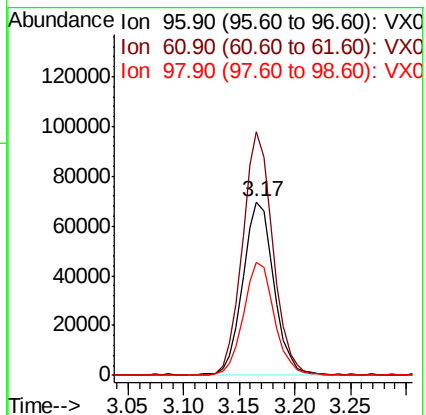
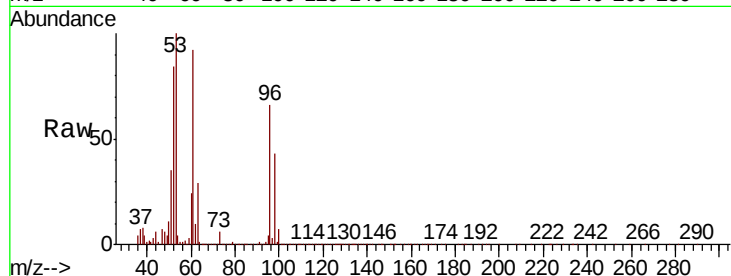
Tot Ion: 96 Resp: 133980

Ion Ratio Lower Upper

96 100

61 140.7 113.3 169.9

98 65.2 53.2 79.8



#22

Diisopropyl ether

Concen: 19.811 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Tgt Ion: 45 Resp: 399995

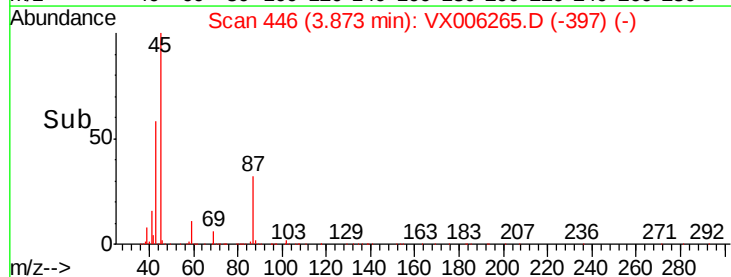
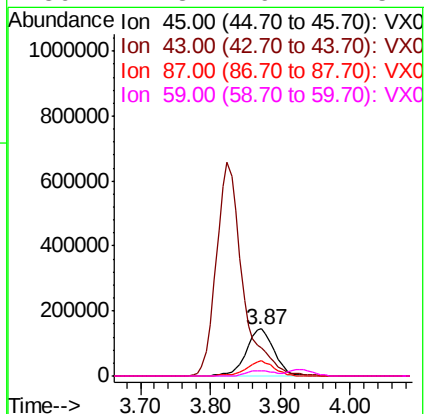
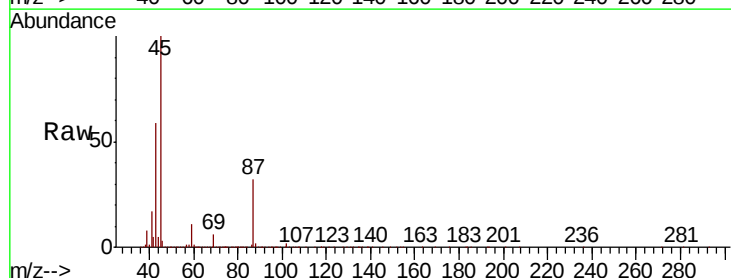
Ion Ratio Lower Upper

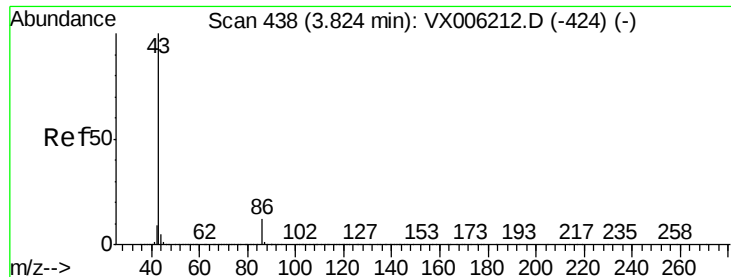
45 100

43 58.7 46.2 69.2

87 32.4 24.9 37.3

59 11.3 9.1 13.7





#23

Vinyl Acetate

Concen: 99.467 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

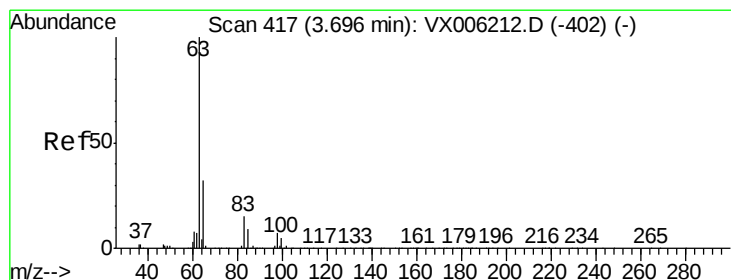
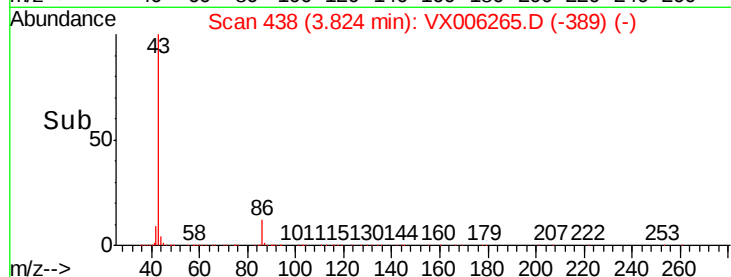
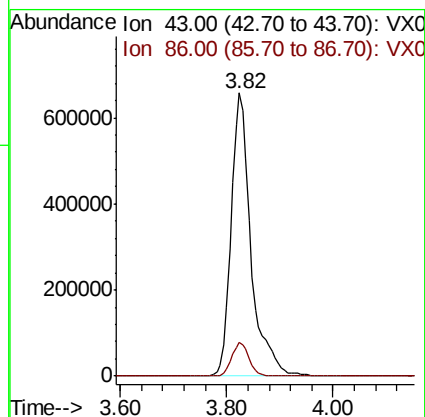
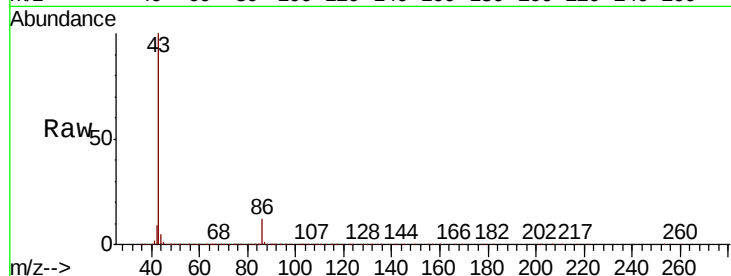
VX1203WBSD01

Tot Ion: 43 Resp: 1712890

Ion Ratio Lower Upper

43 100

86 11.7 9.4 14.0



#24

1,1-Dichloroethane

Concen: 20.079 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

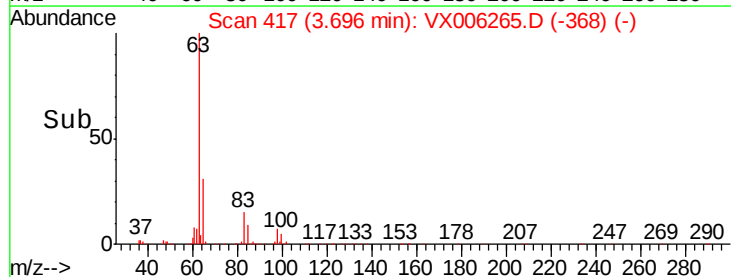
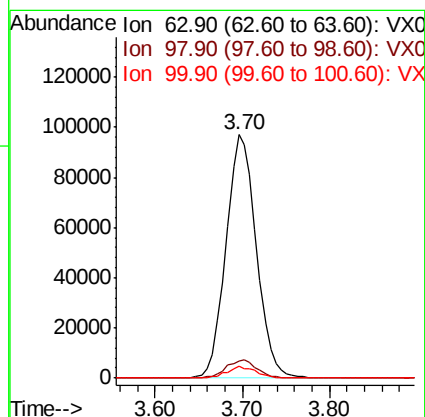
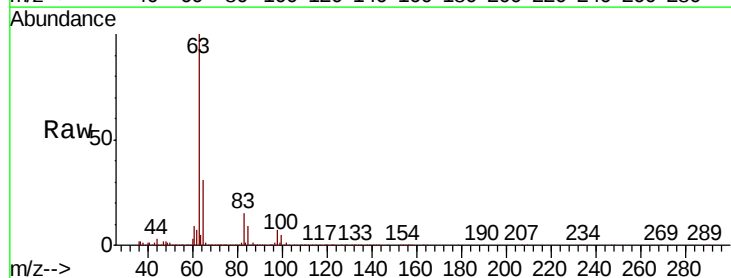
Tgt Ion: 63 Resp: 231713

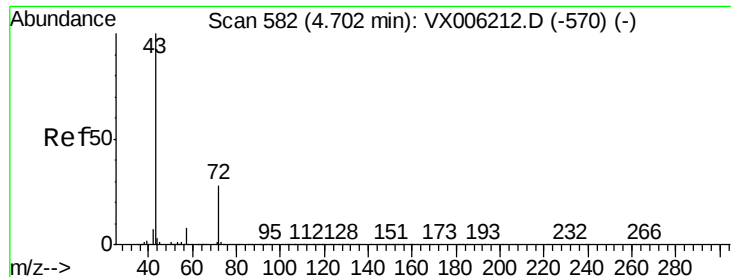
Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

100 4.8 2.5 7.4





#25

2-Butanone

Concen: 99.931 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

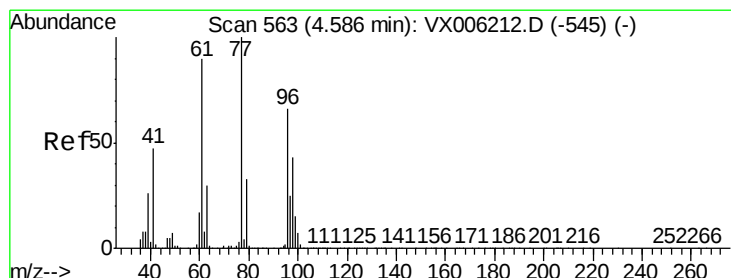
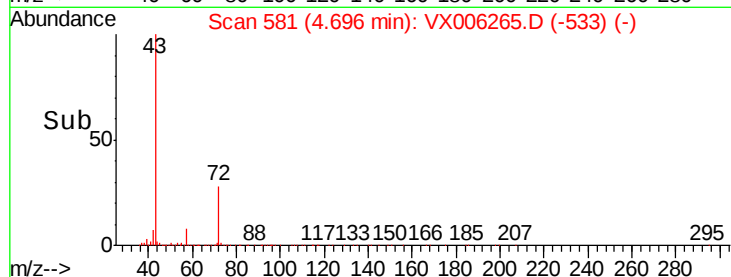
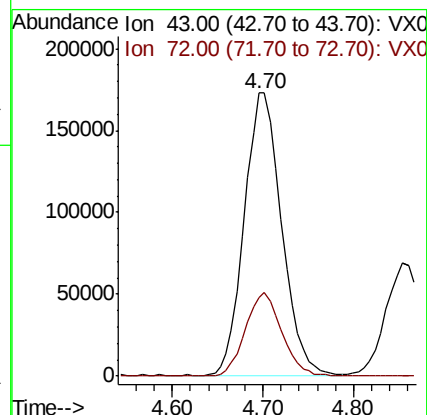
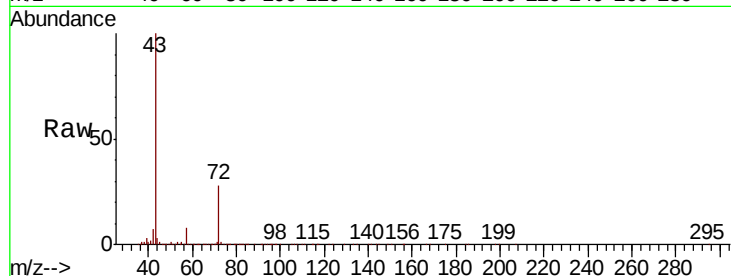
VX1203WBSD01

Tot Ion: 43 Resp: 493990

Ion Ratio Lower Upper

43 100

72 27.6 22.6 33.8



#26

2,2-Dichloropropane

Concen: 16.278 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006265.D

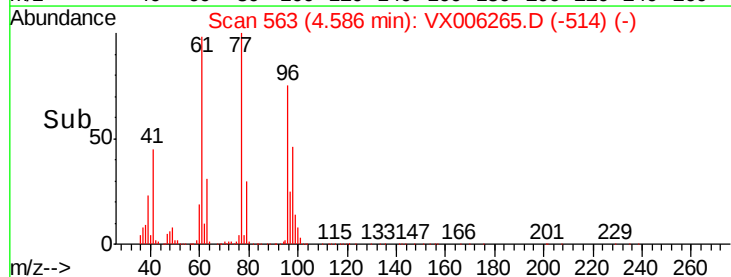
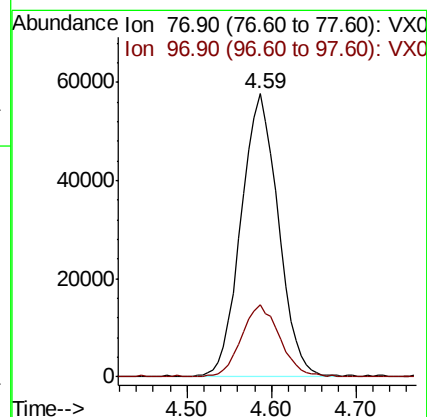
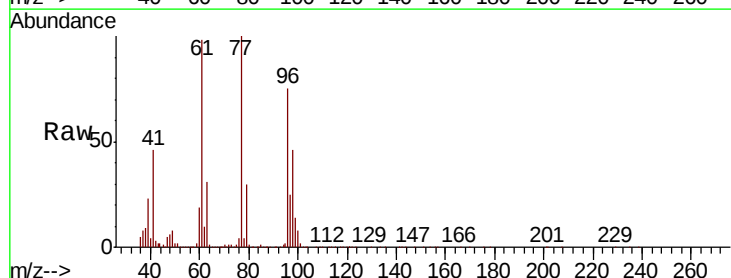
Acq: 03 Dec 2018 20:31

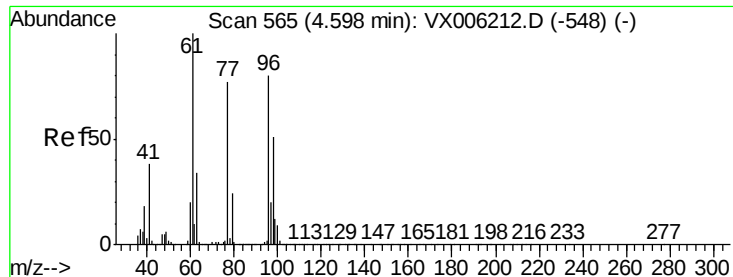
Tgt Ion: 77 Resp: 173365

Ion Ratio Lower Upper

77 100

97 25.7 12.3 36.8



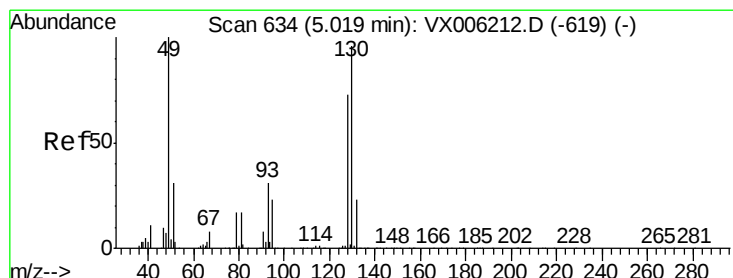
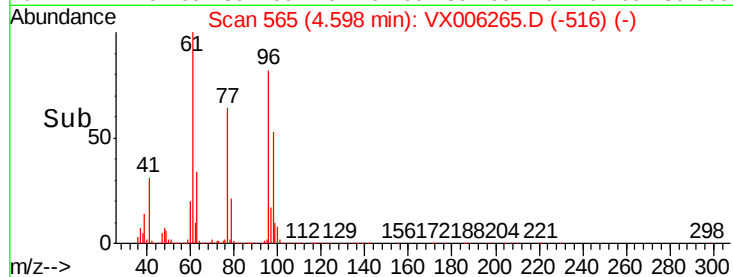
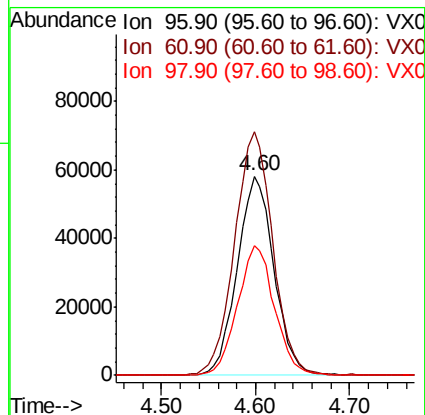
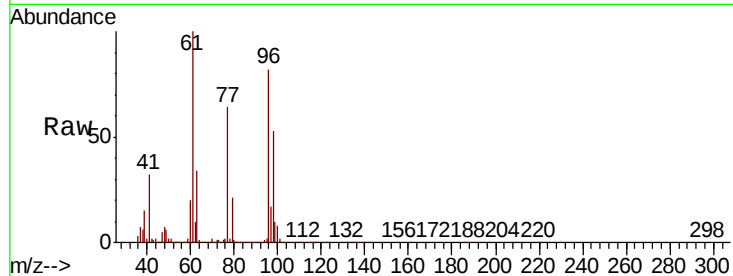


#27

cis-1,2-Dichloroethene  
Concen: 20.250 ug/l  
RT: 4.60 min Scan# 565  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203WBSD01

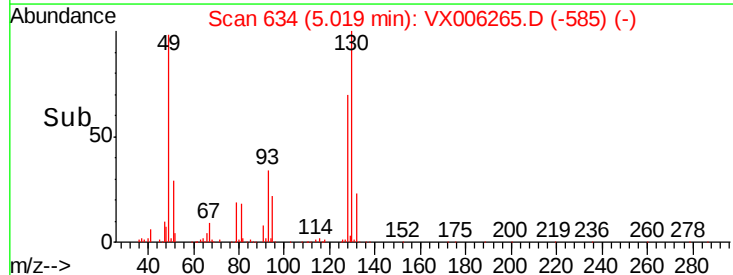
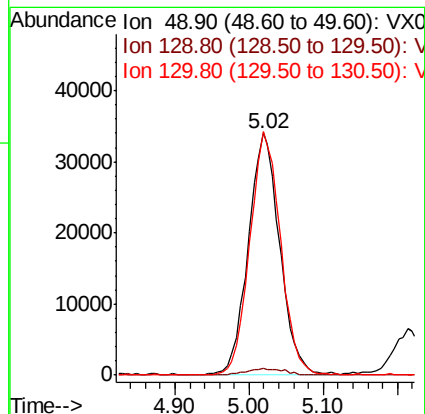
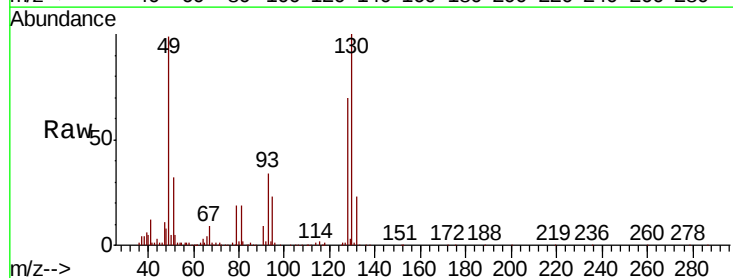
Tot Ion: 96 Resp: 157514  
Ion Ratio Lower Upper  
96 100  
61 127.9 0.0 265.0  
98 65.7 0.0 130.2

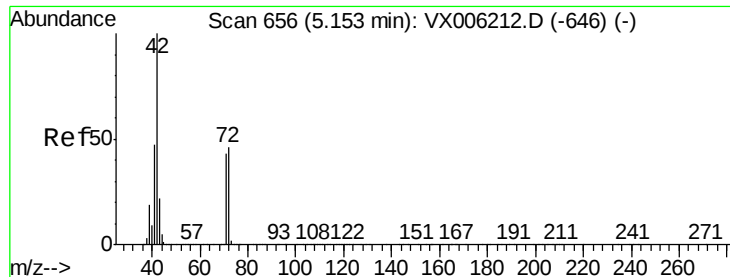


#28

Bromochloromethane  
Concen: 19.863 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Tgt Ion: 49 Resp: 100122  
Ion Ratio Lower Upper  
49 100  
129 3.2 0.0 5.0  
130 98.8 78.3 117.5





#29

Tetrahydrofuran

Concen: 99.408 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

VX1203WBSD01

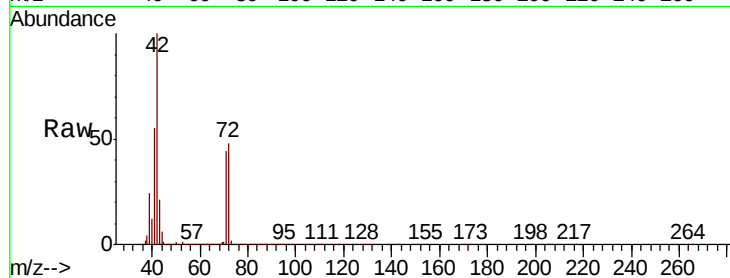
Tot Ion: 42 Resp: 341527

Ion Ratio Lower Upper

42 100

72 48.4 37.8 56.8

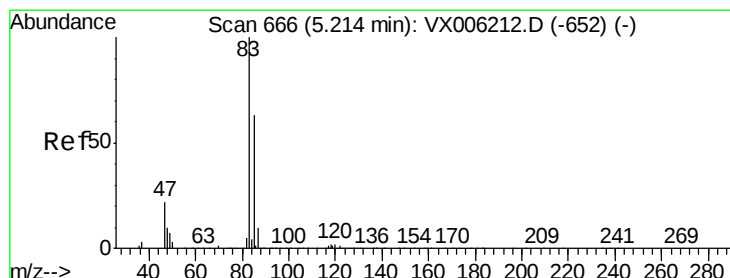
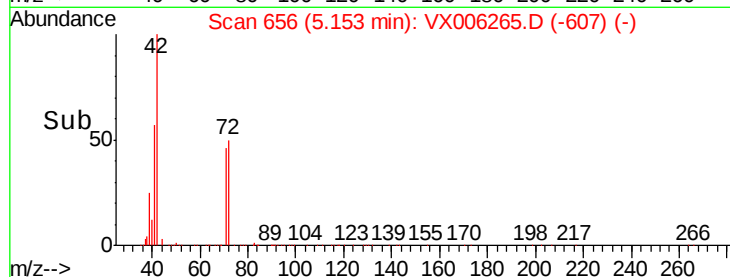
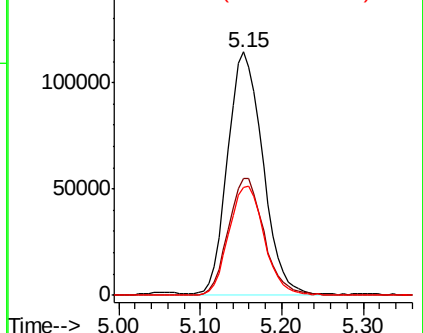
71 45.4 35.2 52.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 20.428 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX006265.D

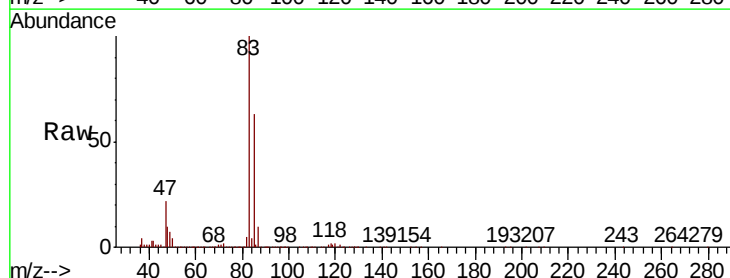
Acq: 03 Dec 2018 20:31

Tgt Ion: 83 Resp: 247738

Ion Ratio Lower Upper

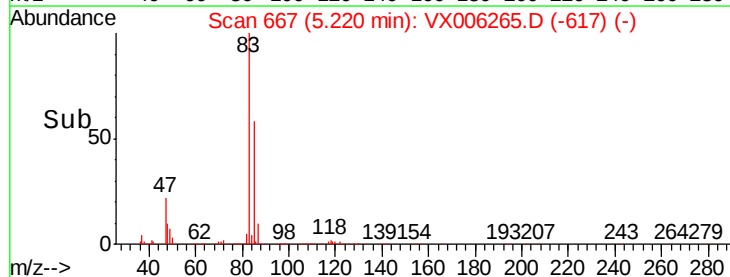
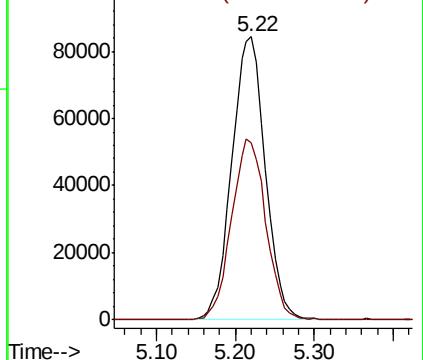
83 100

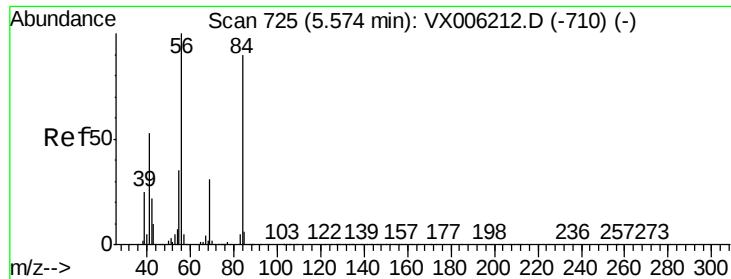
85 62.6 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

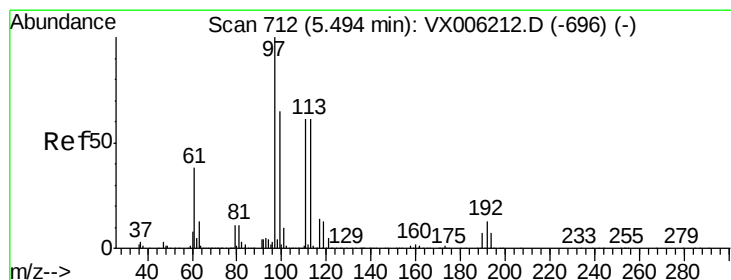
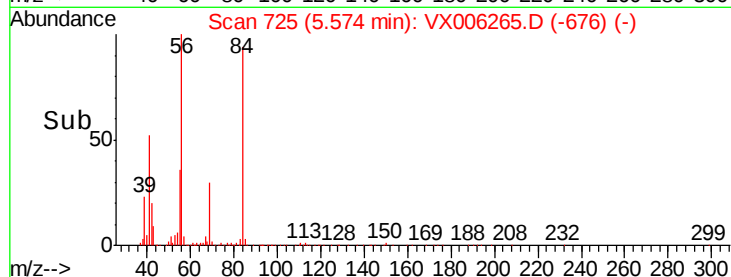
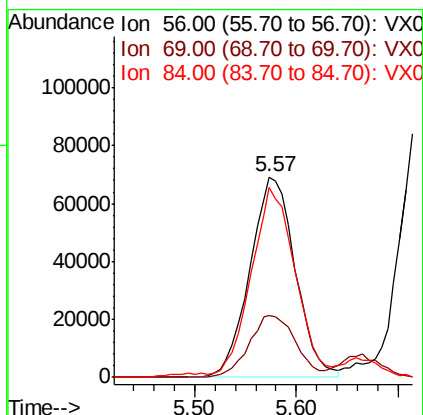
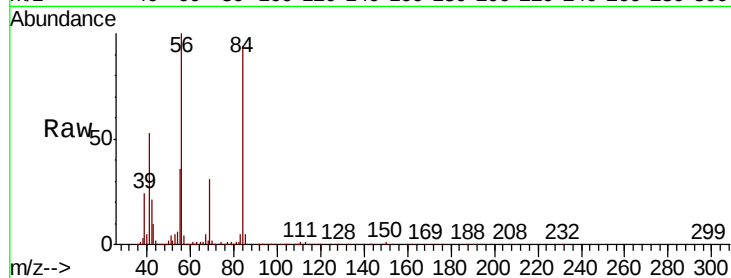




#31  
Cyclohexane  
Concen: 19.826 ug/l  
RT: 5.57 min Scan# 725  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

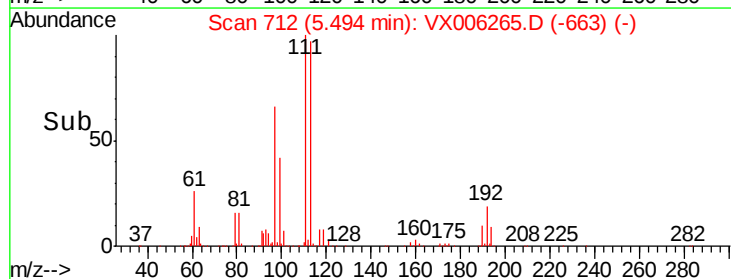
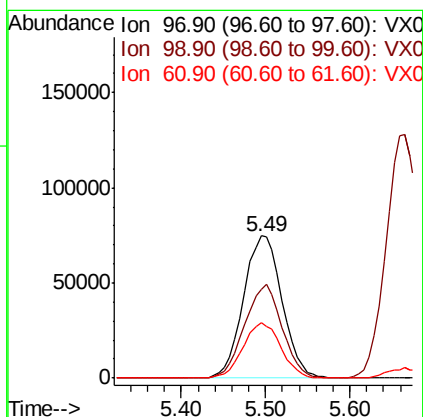
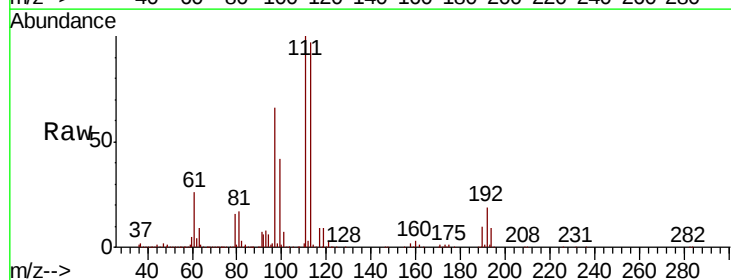
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203WBSD01

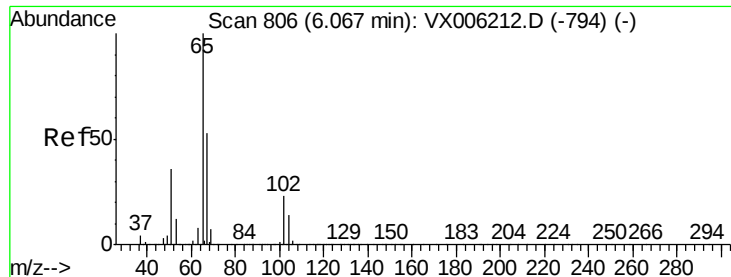
Tot Ion: 56 Resp: 211440  
Ion Ratio Lower Upper  
56 100  
69 30.6 24.5 36.7  
84 93.0 71.8 107.6



#32  
1,1,1-Trichloroethane  
Concen: 20.046 ug/l  
RT: 5.49 min Scan# 712  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Tgt Ion: 97 Resp: 231311  
Ion Ratio Lower Upper  
97 100  
99 64.6 51.6 77.4  
61 38.4 30.6 46.0





#33

1,2-Dichloroethane-d4

Concen: 49.453 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

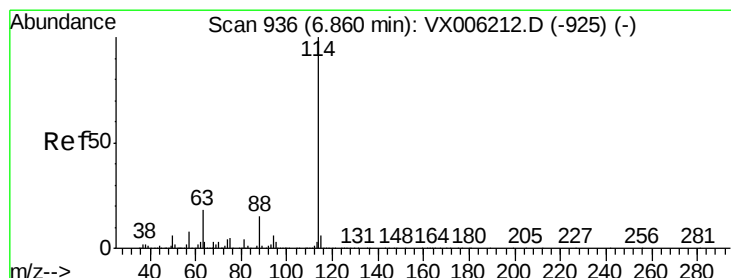
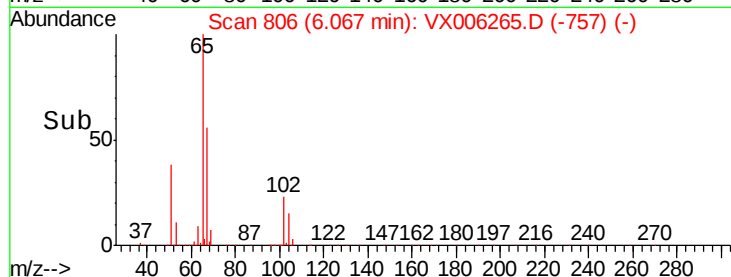
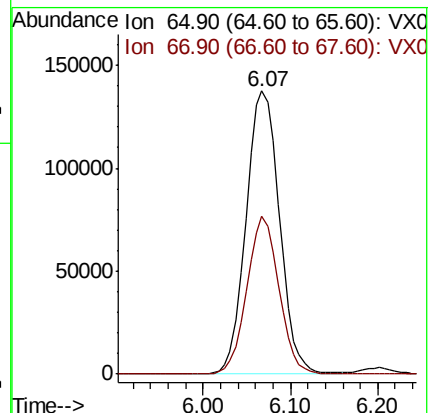
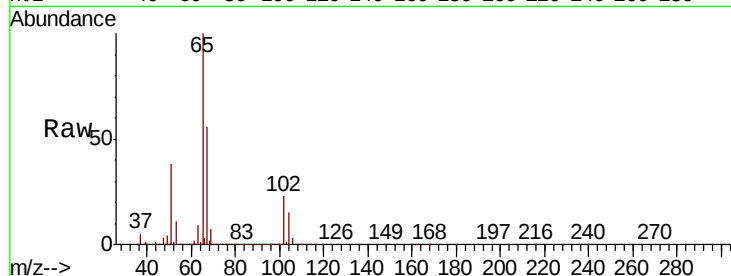
VX1203WBSD01

Tot Ion: 65 Resp: 365078

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

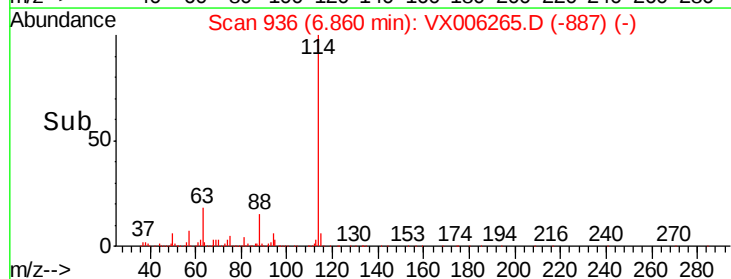
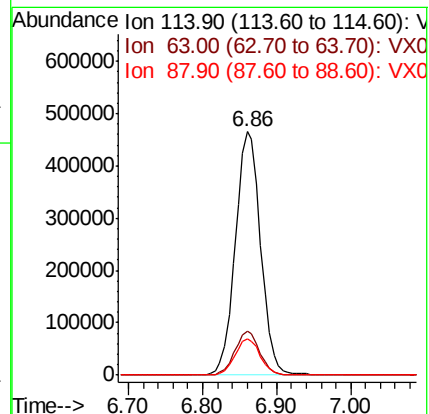
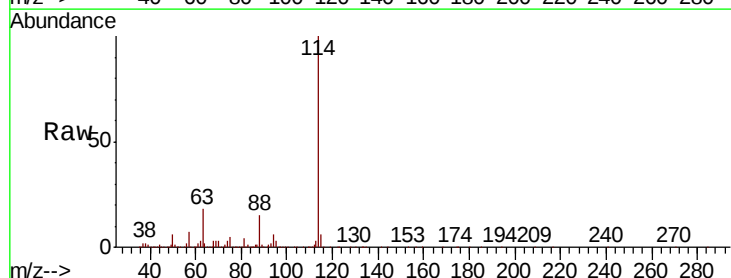
Tgt Ion: 114 Resp: 1105676

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.6

88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 48.536 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

VX1203WBSD01

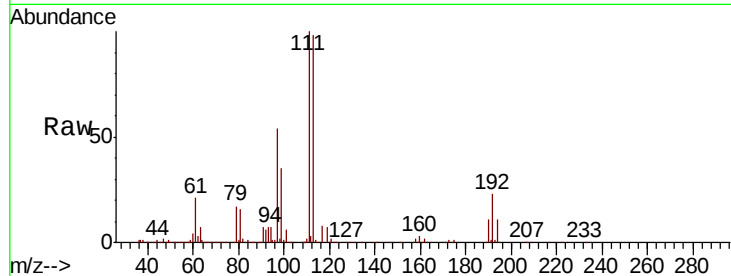
Tot Ion:113 Resp: 347463

Ion Ratio Lower Upper

113 100

111 103.3 81.1 121.7

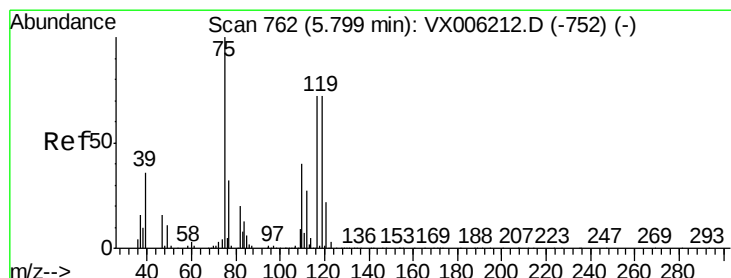
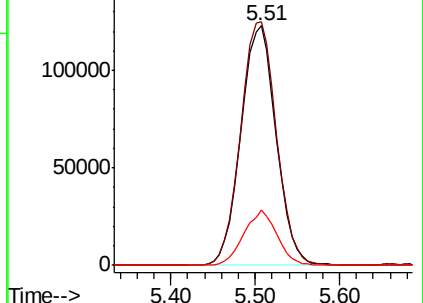
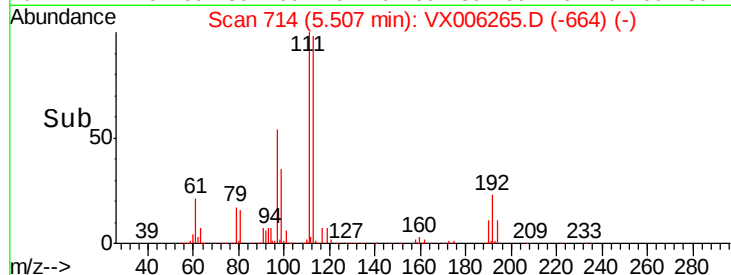
192 21.7 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.128 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

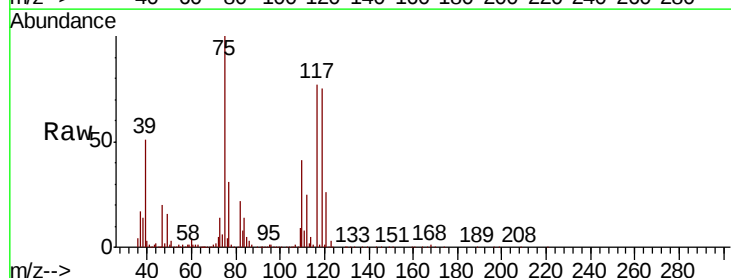
Tgt Ion: 75 Resp: 178098

Ion Ratio Lower Upper

75 100

110 40.7 20.4 61.3

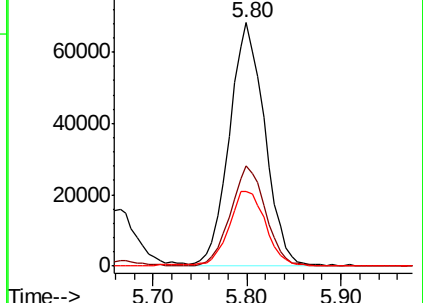
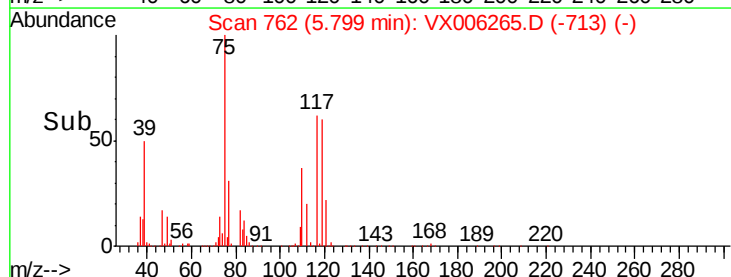
77 31.7 24.9 37.3

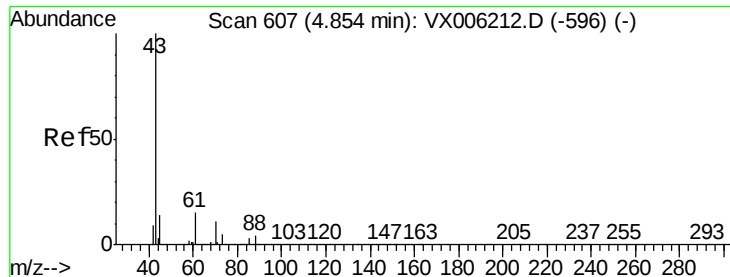


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

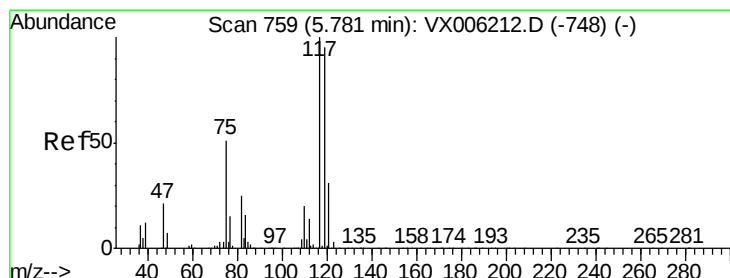
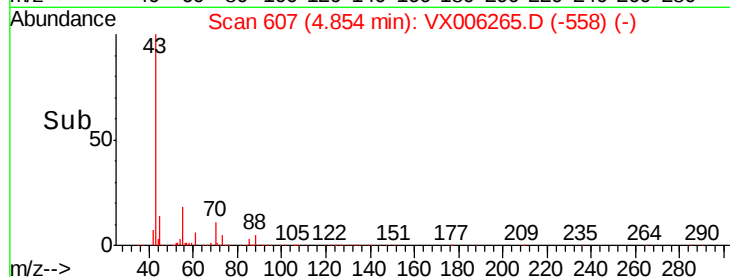
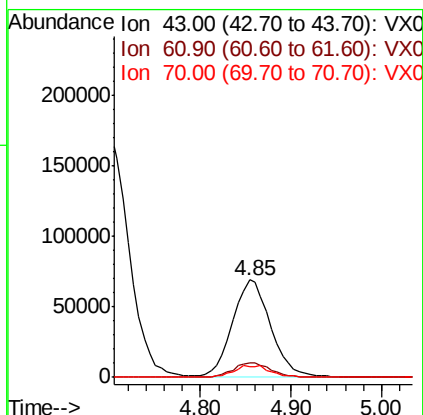
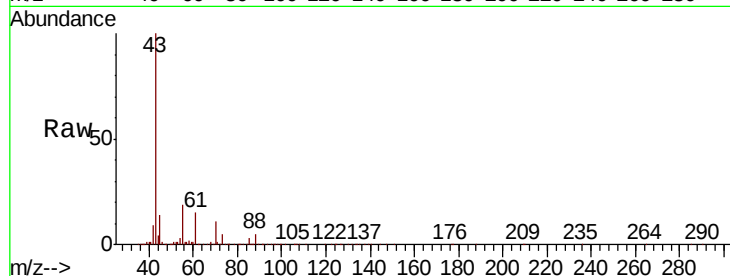




#37  
Ethyl Acetate  
Concen: 18.965 ug/l  
RT: 4.85 min Scan# 607  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

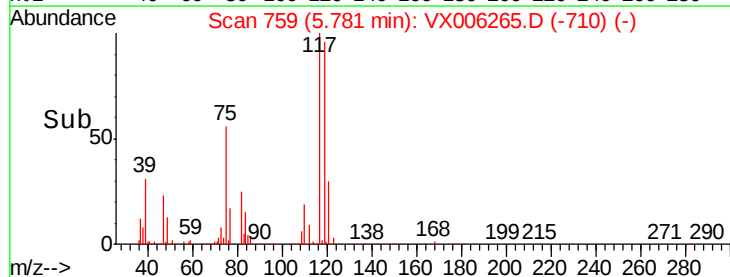
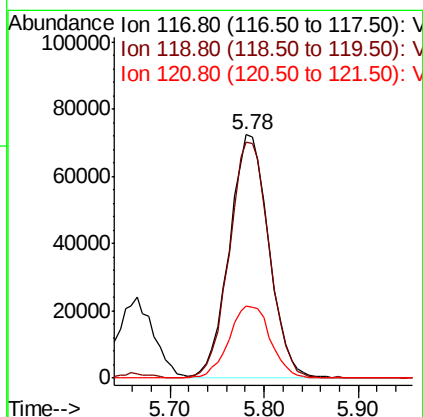
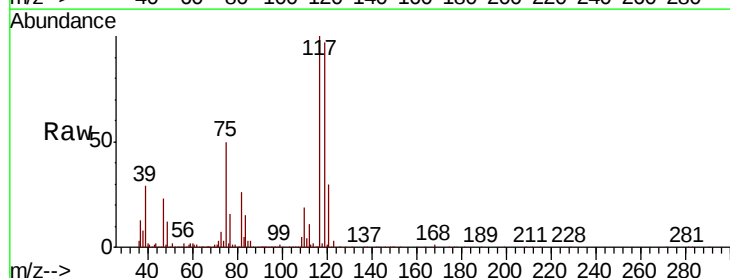
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203WBSD01

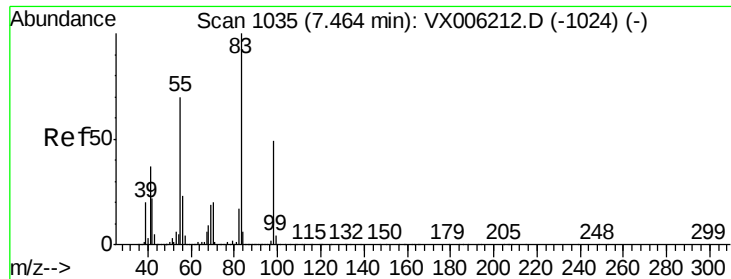
Tot Ion: 43 Resp: 197746  
Ion Ratio Lower Upper  
43 100  
61 14.9 11.5 17.3  
70 12.5 9.0 13.6



#38  
Carbon Tetrachloride  
Concen: 19.207 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Tgt Ion: 117 Resp: 210388  
Ion Ratio Lower Upper  
117 100  
119 96.6 75.8 113.8  
121 29.8 24.6 37.0

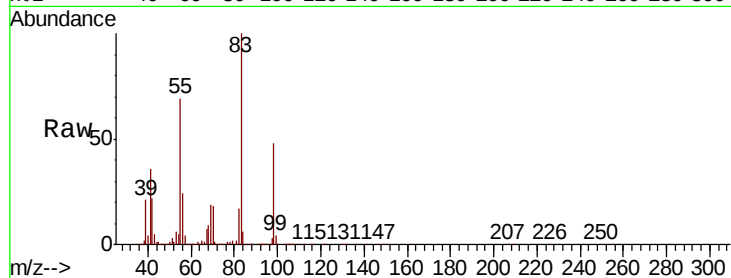




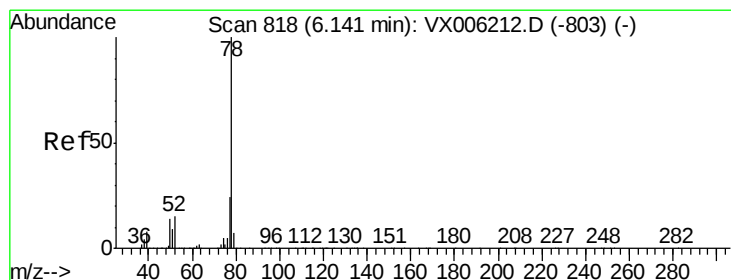
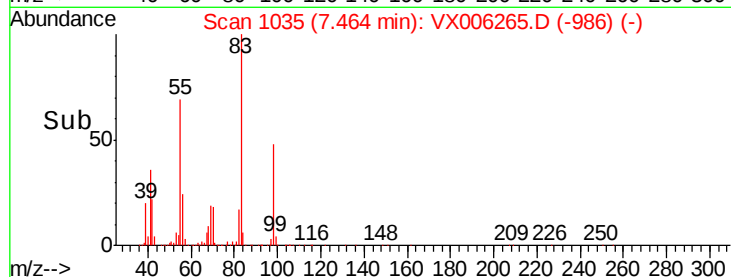
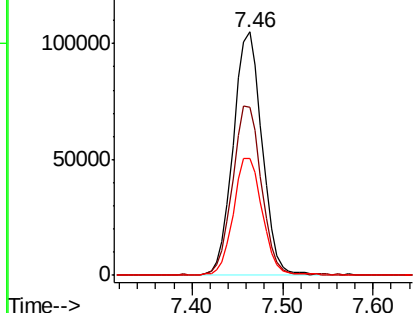
#39  
Methylvlcvclohexane  
Concen: 19.160 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203WBSD01

| Tot Ion   | 83.00 | Resp  | 231566 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 68.7  | 56.4  | 84.6   |
| 98        | 48.1  | 39.0  | 58.6   |

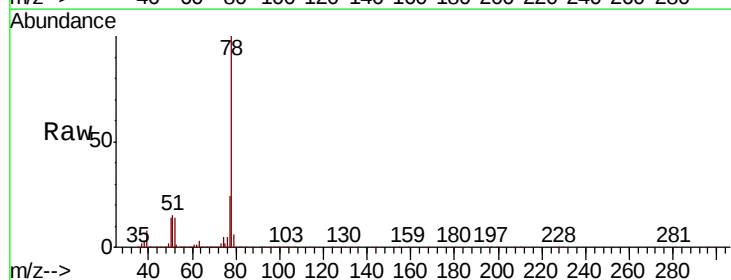


Abundance Ion 83.00 (82.70 to 83.70): VX0  
Ion 55.00 (54.70 to 55.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0

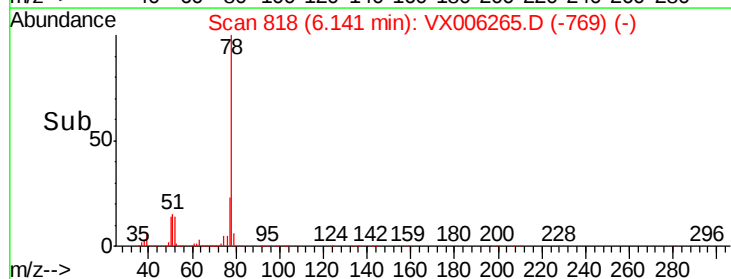
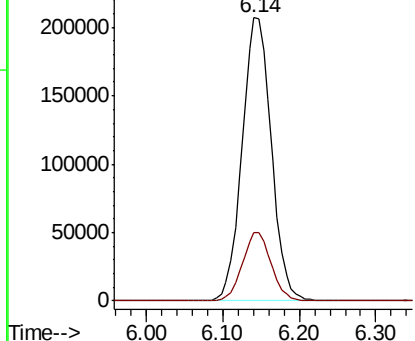


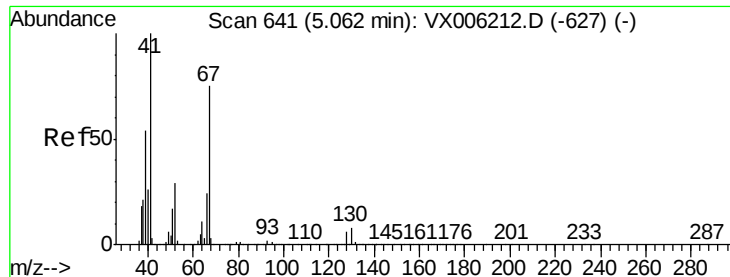
#40  
Benzene  
Concen: 19.731 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

| Tgt Ion   | 78.00 | Resp  | 550239 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 24.1  | 19.2  | 28.8   |



Abundance Ion 78.00 (77.70 to 78.70): VX0  
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 18.893 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

VX1203WBSD01

Tot Ion: 41 Resp: 108400

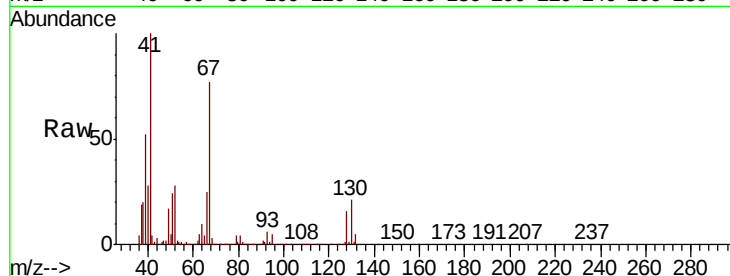
Ion Ratio Lower Upper

41 100

39 54.8 44.0 66.0

67 78.9 61.4 92.0

52 29.5 23.5 35.3

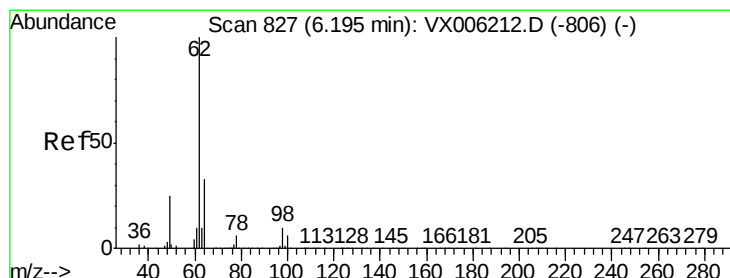
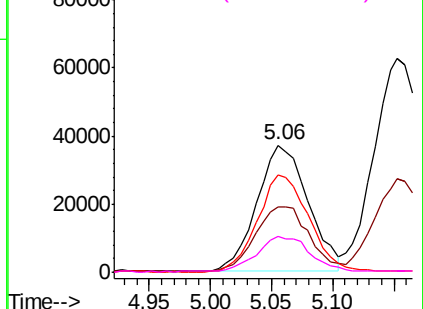
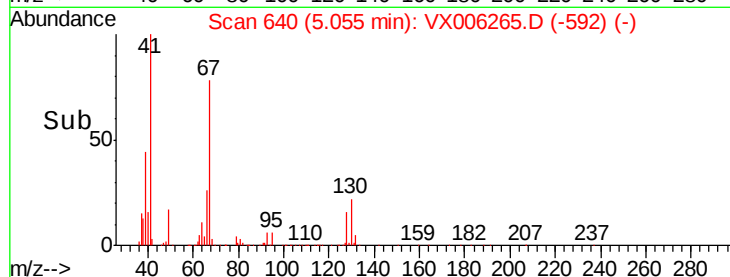


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.781 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX006265.D

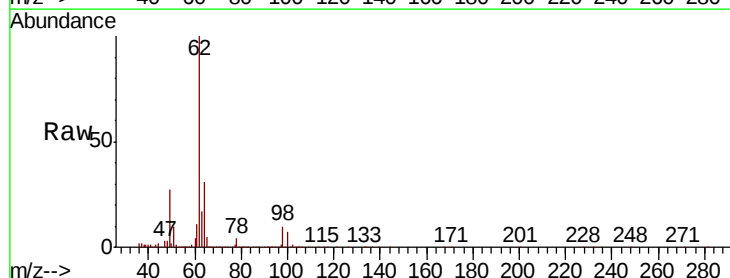
Acq: 03 Dec 2018 20:31

Tgt Ion: 62 Resp: 180540

Ion Ratio Lower Upper

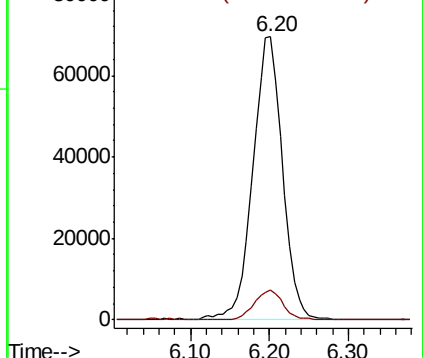
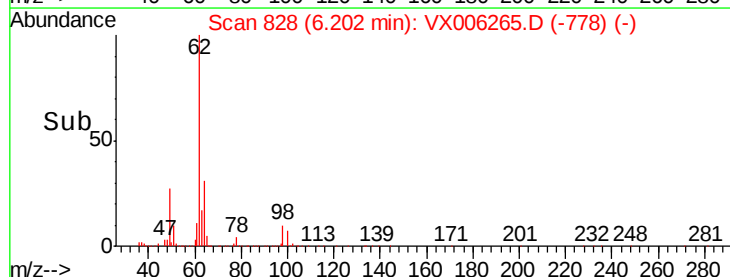
62 100

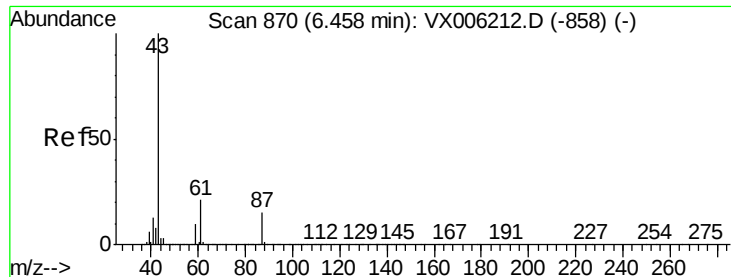
98 10.3 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.666 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

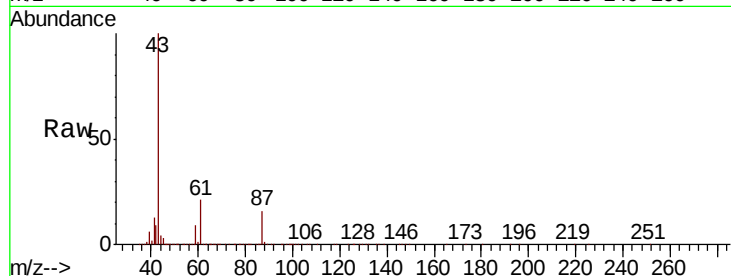
MSVOA\_X

ClientSampled :

VX1203WBSD01

Tot Ion: 43 Resp: 324500

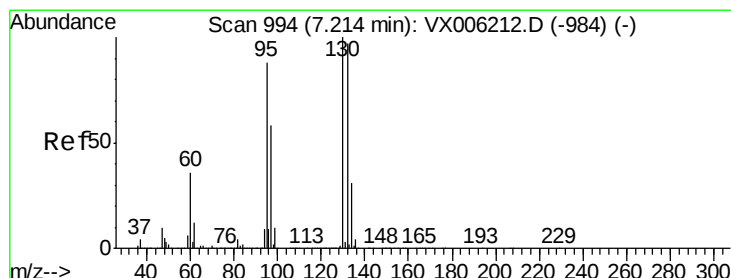
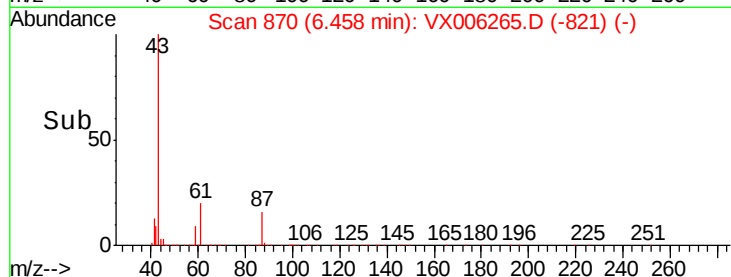
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 20.9  | 16.8  | 25.2  |
| 87  | 15.6  | 11.9  | 17.9  |



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 19.613 ug/l

RT: 7.21 min Scan# 994

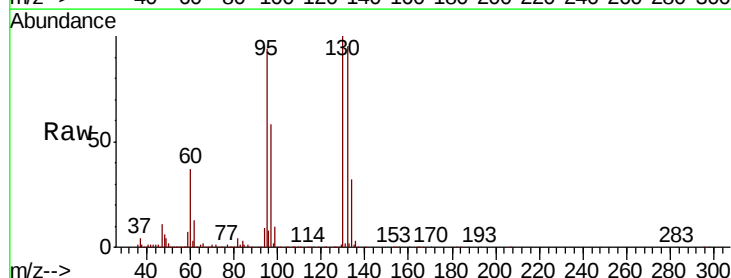
Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

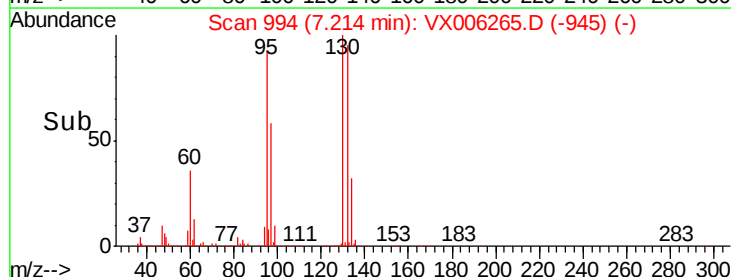
Tgt Ion:130 Resp: 165693

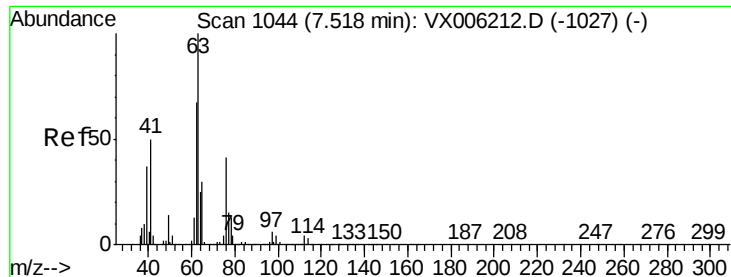
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 93.4  | 0.0   | 175.8 |



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.264 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

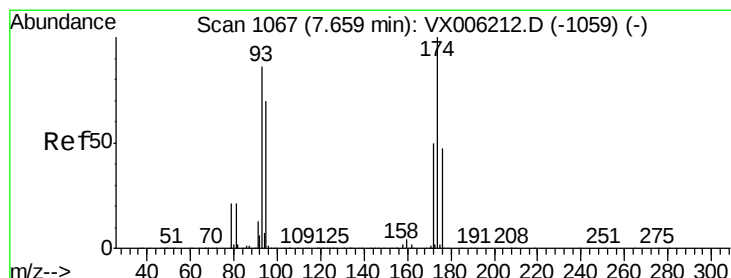
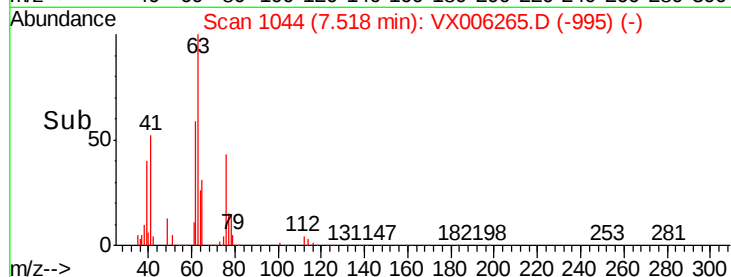
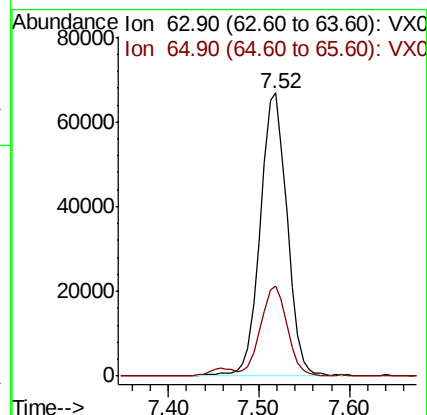
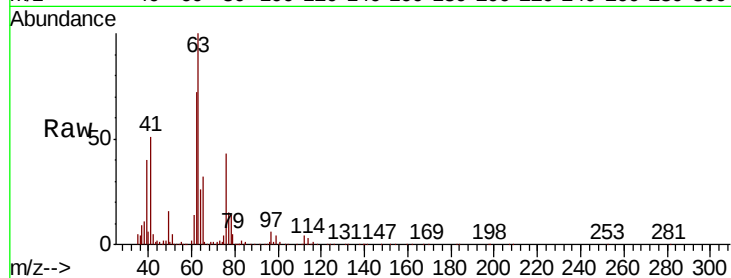
VX1203WBSD01

Tot Ion: 63 Resp: 136537

Ion Ratio Lower Upper

63 100

65 31.6 24.3 36.5



#46

Dibromomethane

Concen: 19.472 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

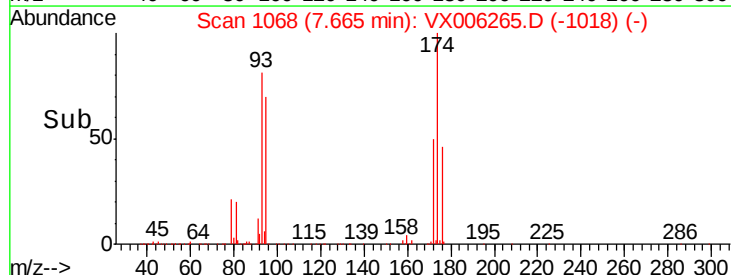
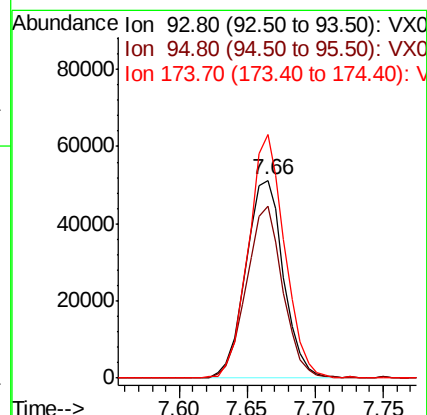
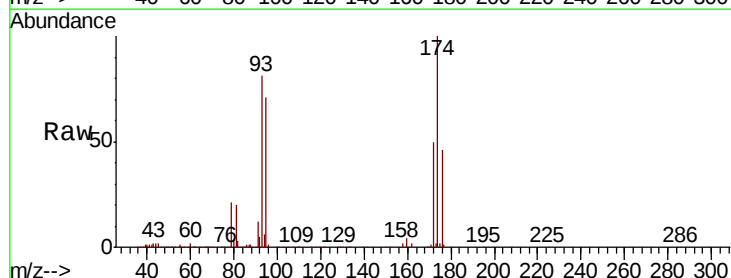
Tgt Ion: 93 Resp: 99672

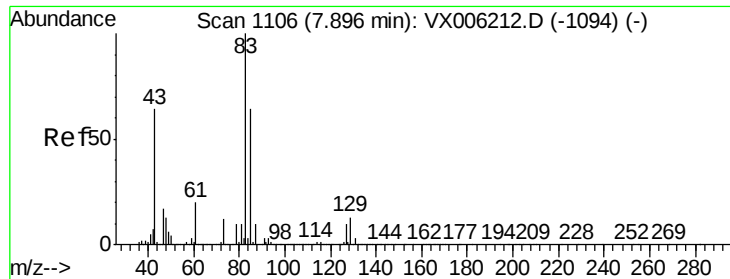
Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.4

174 118.3 97.2 145.8





#47

Bromodichloromethane

Concen: 19.769 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

VX1203WBSD01

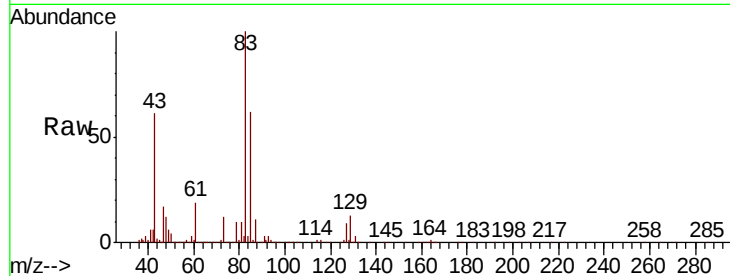
Tot Ion: 83 Resp: 195963

Ion Ratio Lower Upper

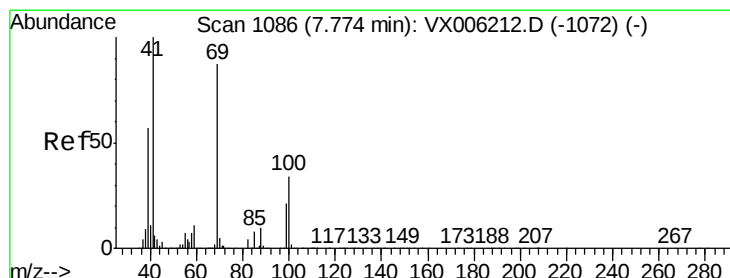
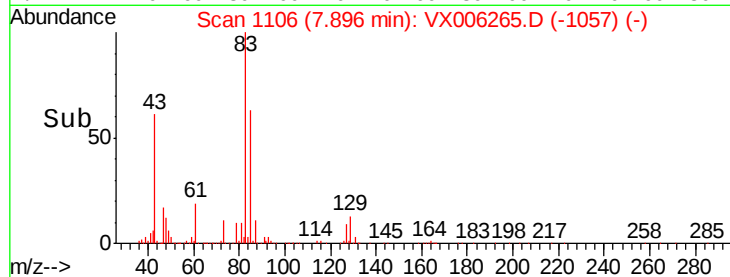
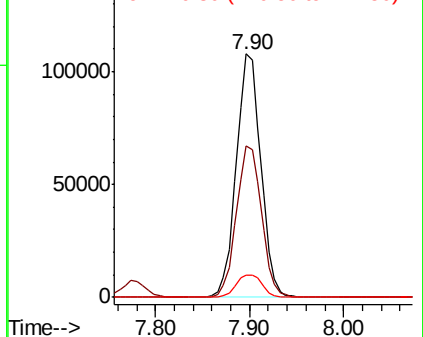
83 100

85 62.3 51.4 77.0

127 9.1 7.9 11.9



Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.831 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

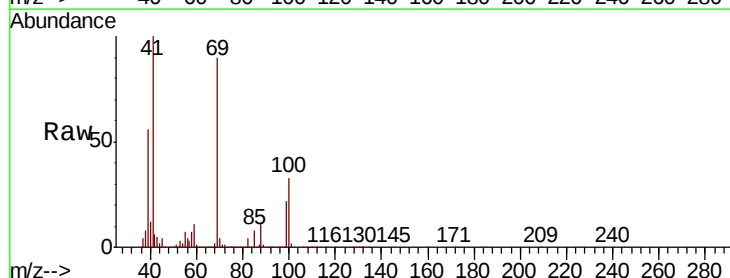
Tgt Ion: 41 Resp: 159267

Ion Ratio Lower Upper

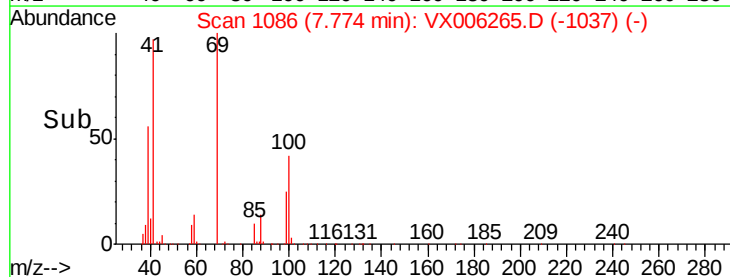
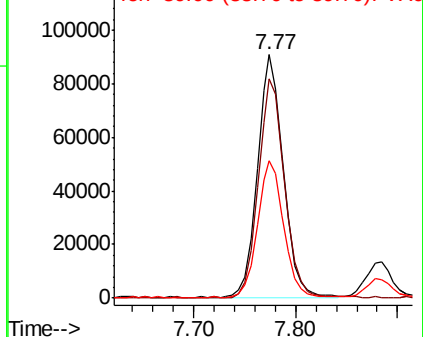
41 100

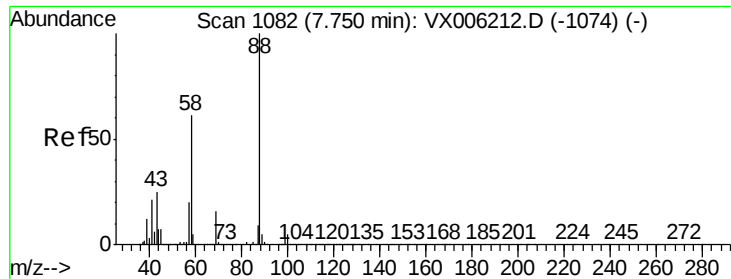
69 92.5 70.3 105.5

39 57.5 45.3 67.9



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

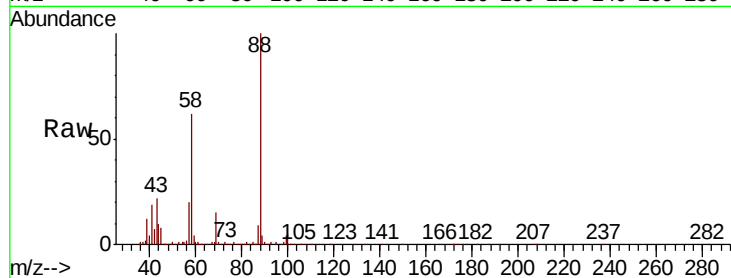




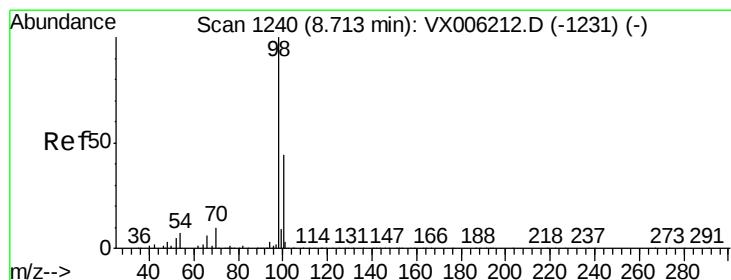
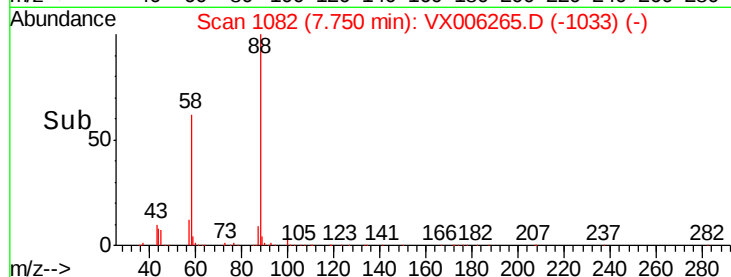
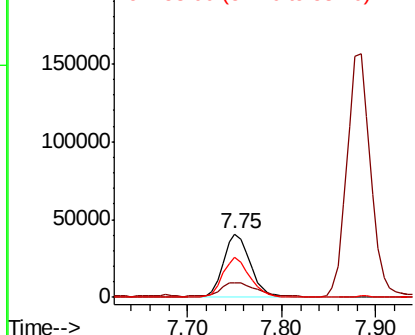
#49  
1,4-Dioxane  
Concen: 386.907 ug/l  
RT: 7.75 min Scan# 1082  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203WBSD01

Tot Ion: 88 Resp: 80650  
Ion Ratio Lower Upper  
88 100  
43 28.3 23.2 34.8  
58 63.3 51.4 77.0

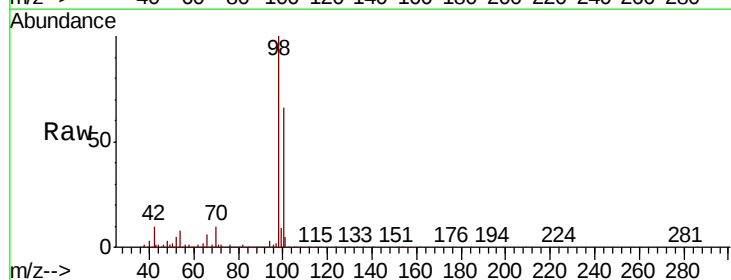


Abundance Ion 88.00 (87.70 to 88.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0

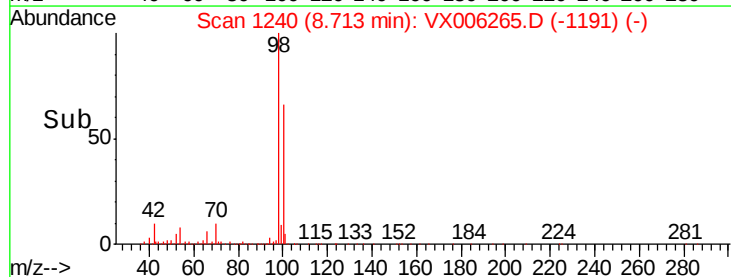
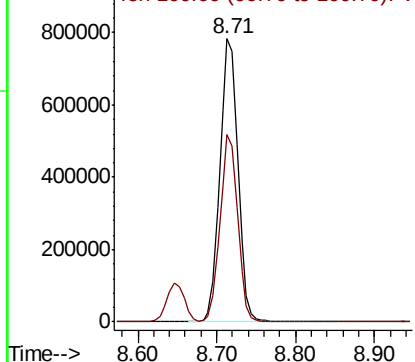


#50  
Toluene-d8  
Concen: 47.913 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Tgt Ion: 98 Resp: 1247648  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 95.352 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

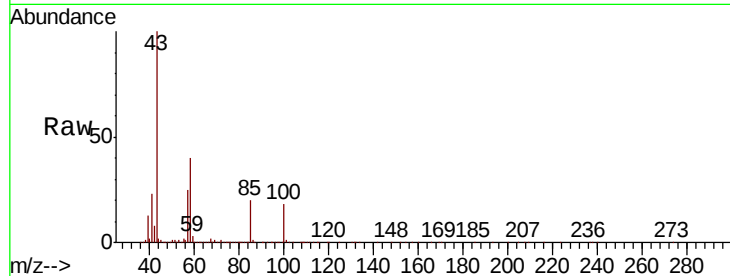
VX1203WBSD01

Tot Ion: 43 Resp: 965006

Ion Ratio Lower Upper

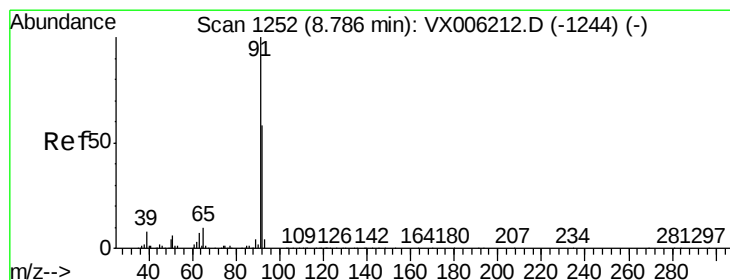
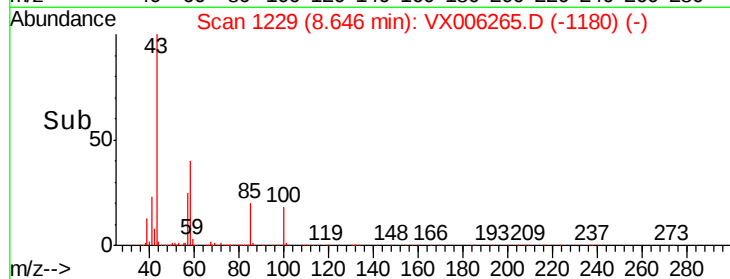
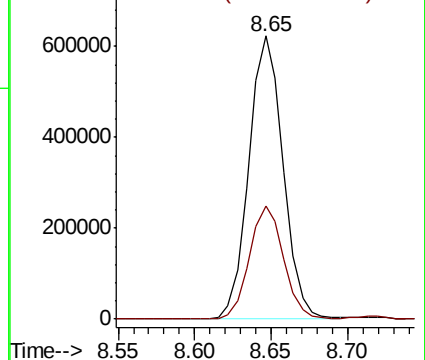
43 100

58 39.8 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.633 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006265.D

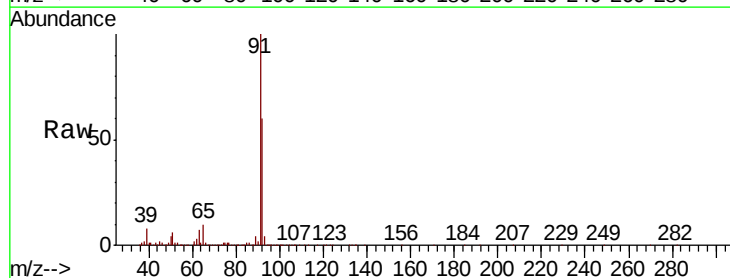
Acq: 03 Dec 2018 20:31

Tgt Ion: 92 Resp: 360197

Ion Ratio Lower Upper

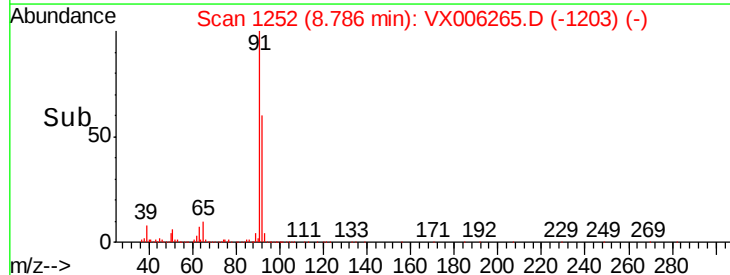
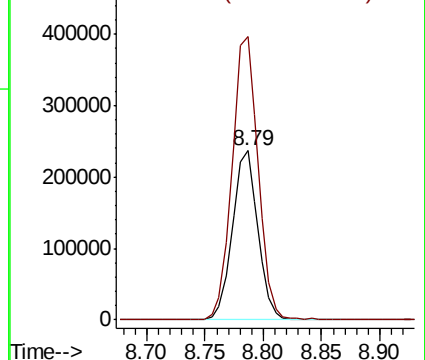
92 100

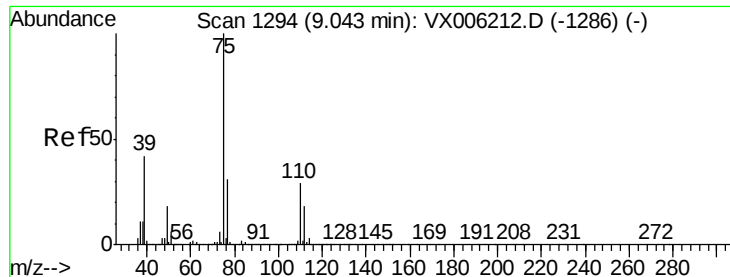
91 171.2 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

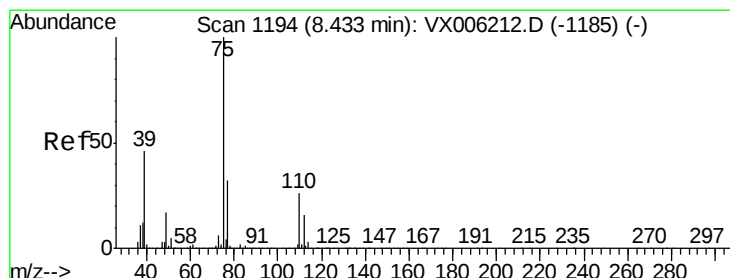
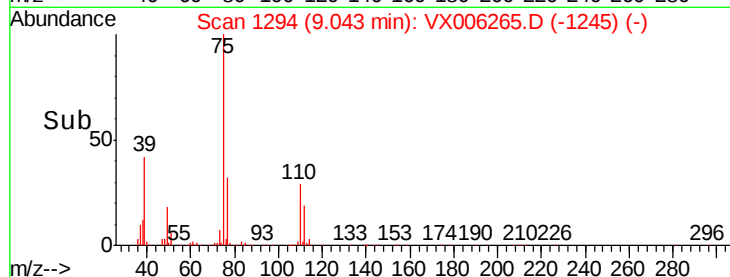
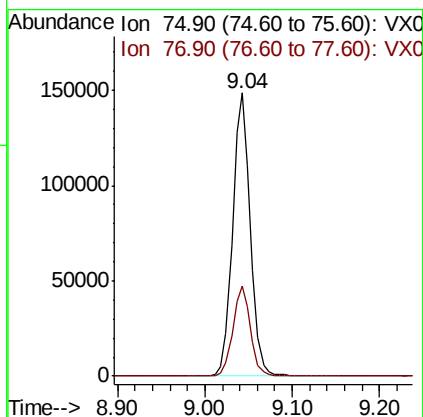
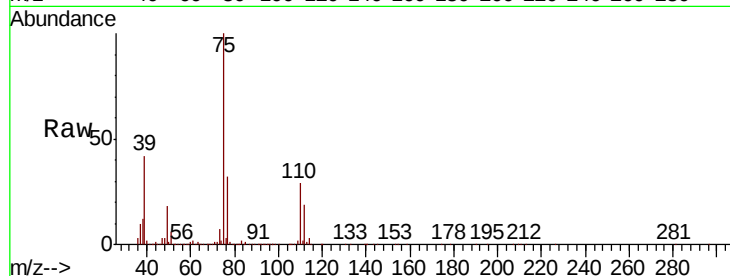




#53  
 t-1,3-Dichloropropene  
 Concen: 17.988 ug/l  
 RT: 9.04 min Scan# 1294  
 Delta R.T. -0.00 min  
 Lab File: VX006265.D  
 Acq: 03 Dec 2018 20:31

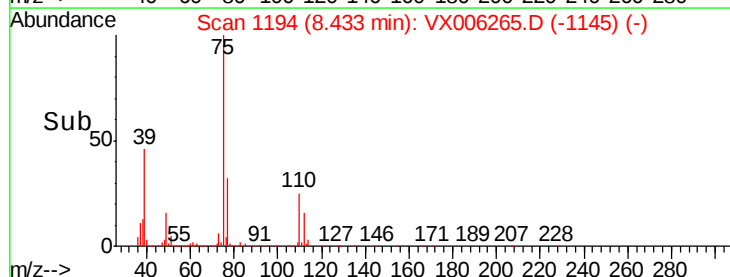
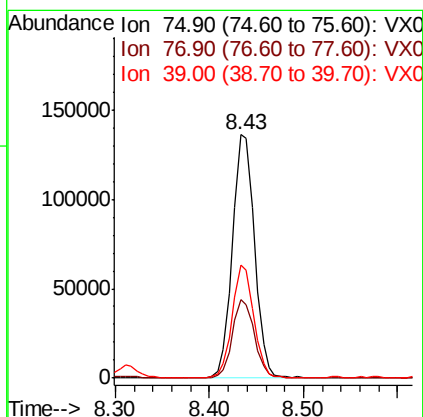
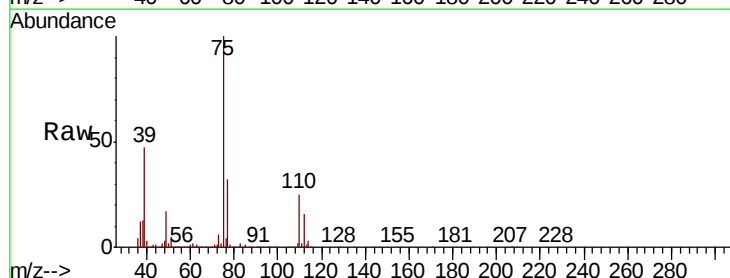
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1203WBSD01

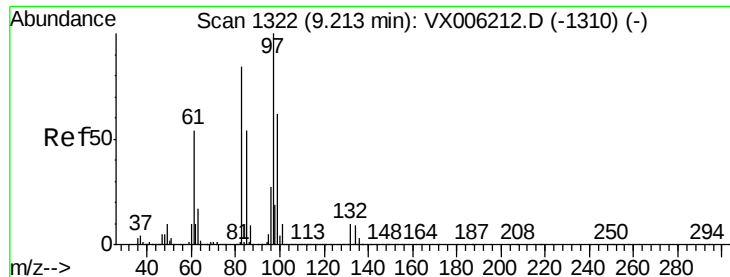
Tot Ion: 75 Resp: 208528  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 18.508 ug/l  
 RT: 8.43 min Scan# 1194  
 Delta R.T. -0.00 min  
 Lab File: VX006265.D  
 Acq: 03 Dec 2018 20:31

Tgt Ion: 75 Resp: 222796  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.6 38.4  
 39 46.4 36.5 54.7





#55

1,1,2-Trichloroethane

Concen: 19.606 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

VX1203WBSD01

Tot Ion: 97 Resp: 146132

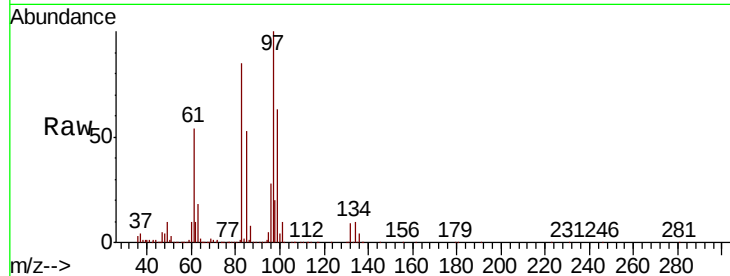
Ion Ratio Lower Upper

97 100

83 84.4 67.1 100.7

85 53.4 43.2 64.8

99 63.5 49.8 74.6

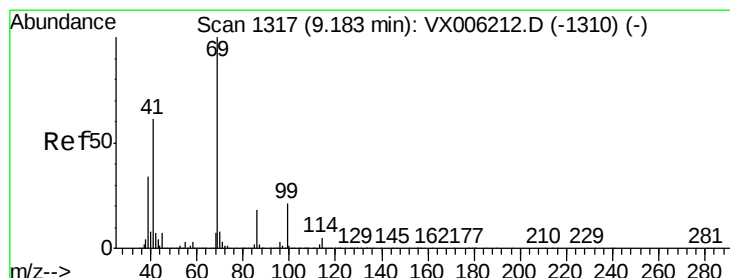
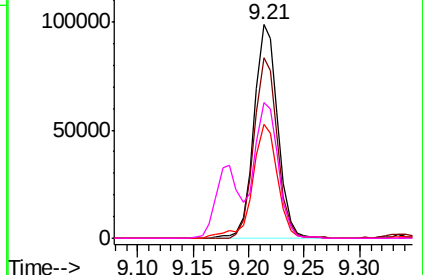
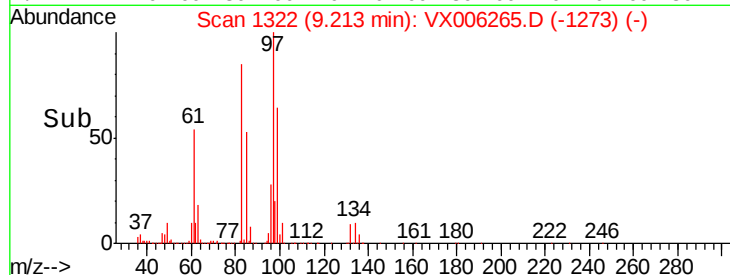


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.026 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

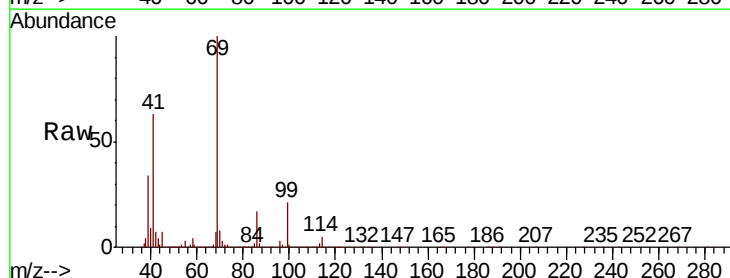
Tgt Ion: 69 Resp: 221696

Ion Ratio Lower Upper

69 100

41 61.8 50.6 76.0

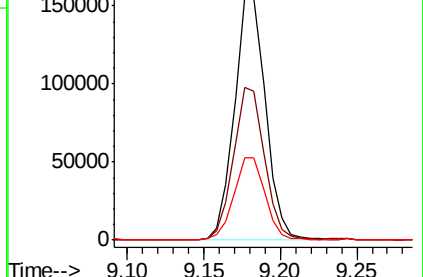
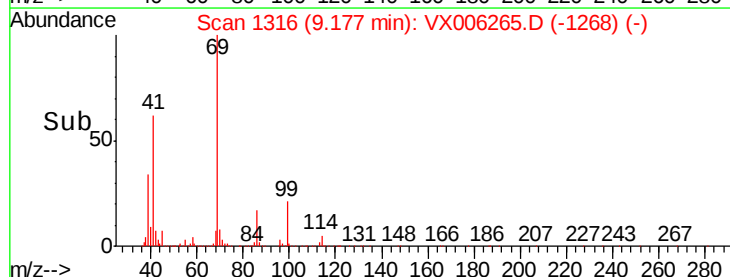
39 33.4 27.6 41.4

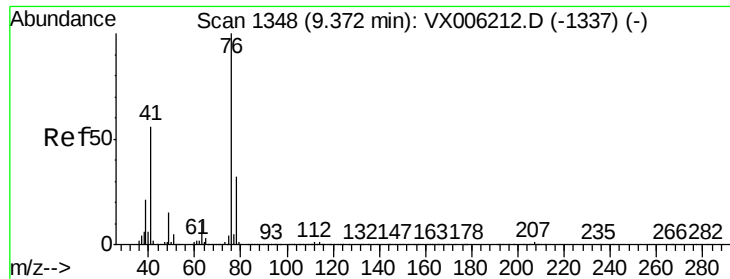


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.779 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

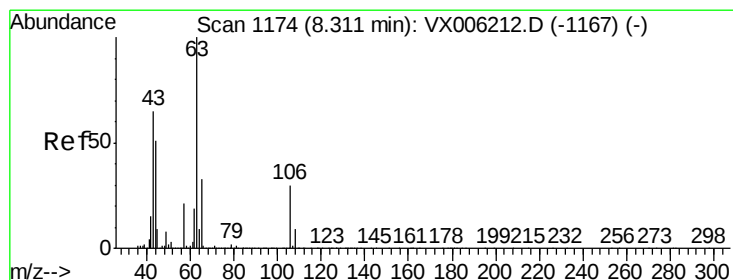
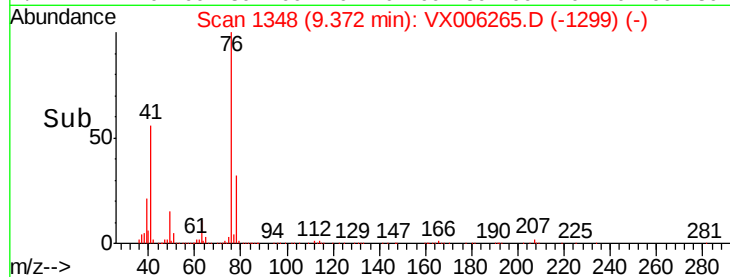
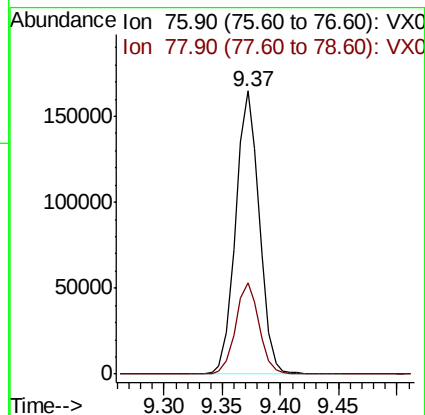
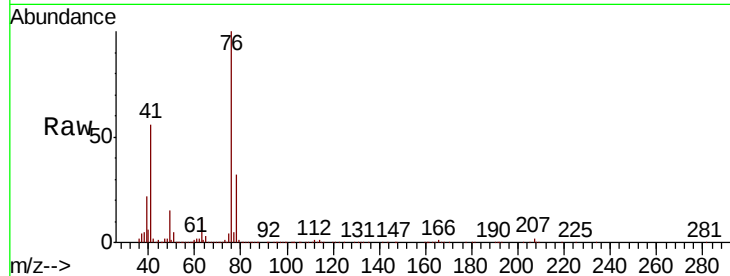
VX1203WBSD01

Tot Ion: 76 Resp: 233124

Ion Ratio Lower Upper

76 100

78 31.9 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 96.410 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006265.D

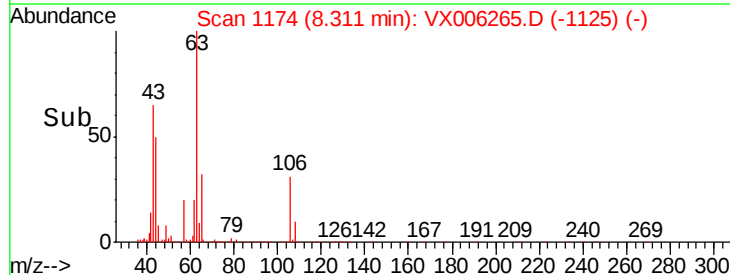
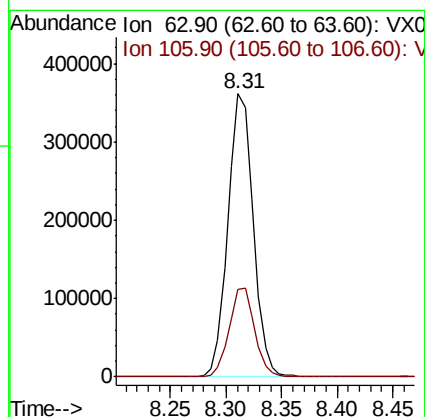
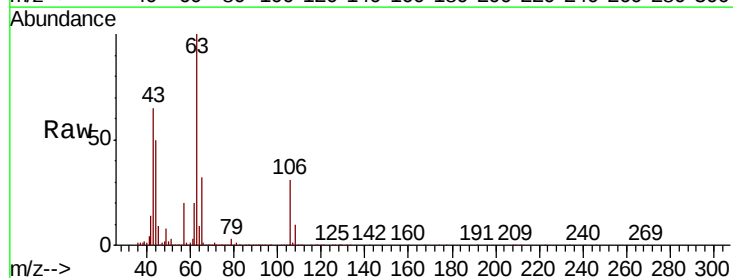
Acq: 03 Dec 2018 20:31

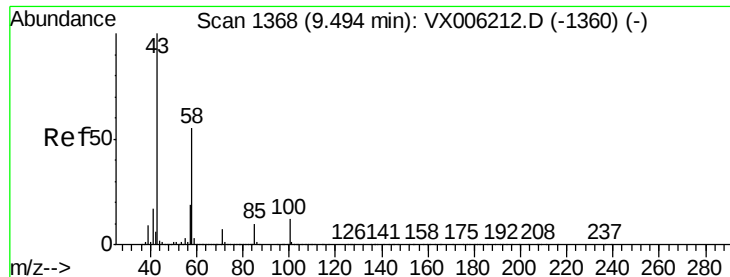
Tgt Ion: 63 Resp: 570064

Ion Ratio Lower Upper

63 100

106 31.7 24.9 37.3





#59

2-Hexanone

Concen: 94.960 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

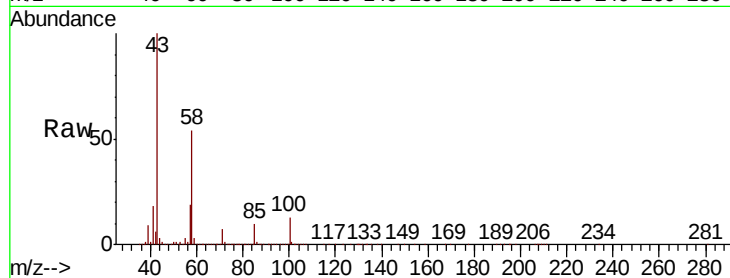
VX1203WBSD01

Tot Ion: 43 Resp: 734237

Ion Ratio Lower Upper

43 100

58 55.2 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

600000

500000

400000

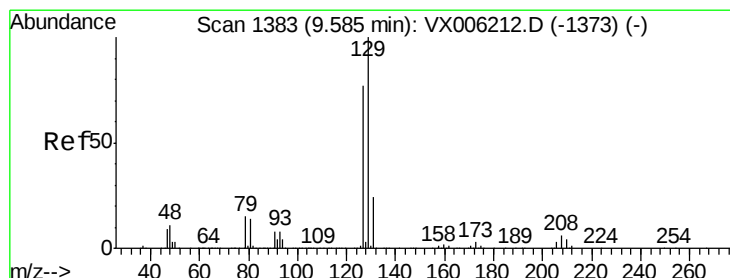
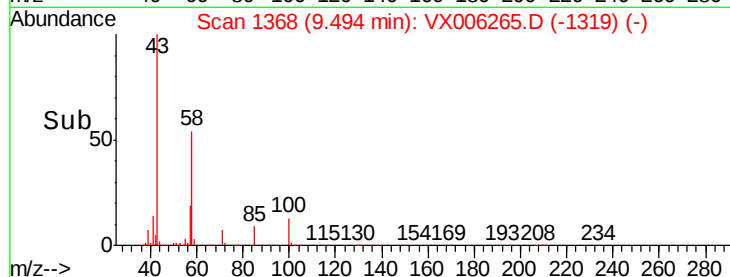
300000

200000

100000

0

Time--> 9.40 9.50 9.60



#60

Dibromochloromethane

Concen: 19.044 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX006265.D

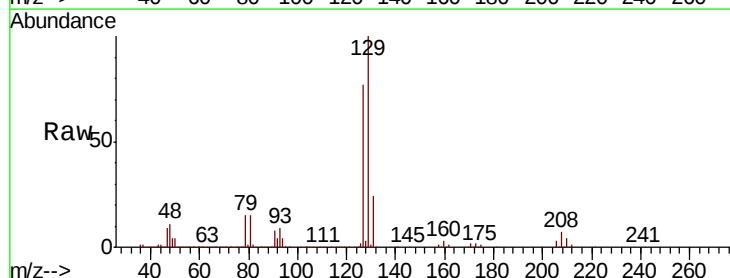
Acq: 03 Dec 2018 20:31

Tgt Ion:129 Resp: 175035

Ion Ratio Lower Upper

129 100

127 77.0 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

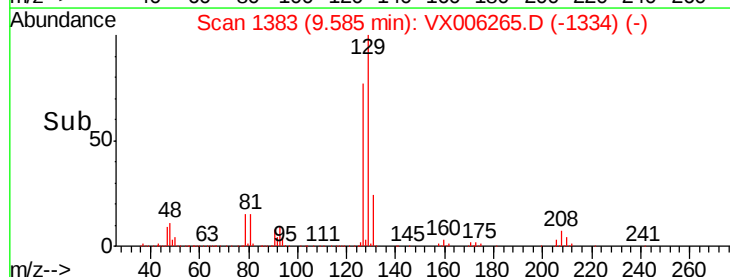
9.59

100000

50000

0

Time--> 9.50 9.55 9.60 9.65 9.70





#61

1,2-Dibromoethane

Concen: 19.343 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

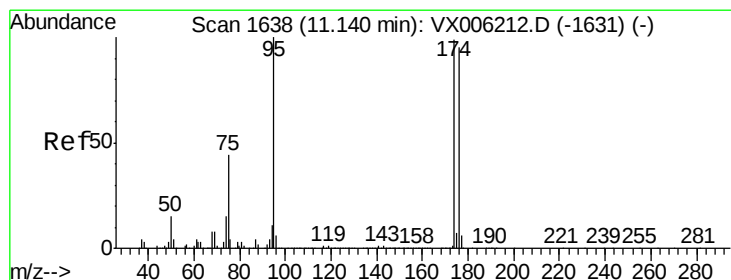
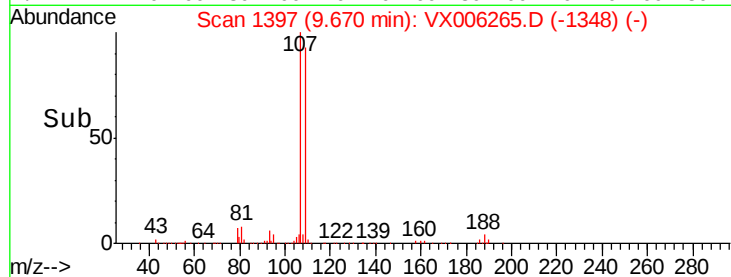
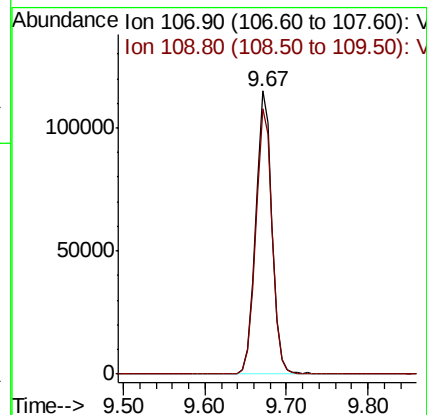
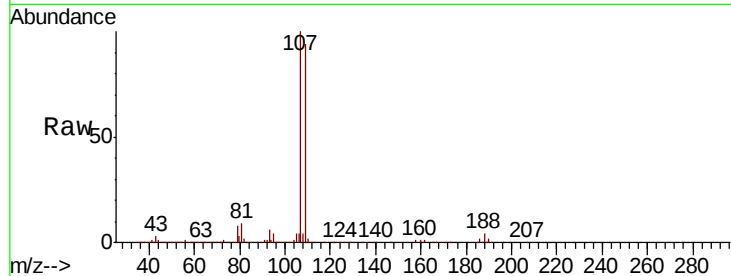
VX1203WBSD01

Tot Ion:107 Resp: 161206

Ion Ratio Lower Upper

107 100

109 95.0 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 46.608 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

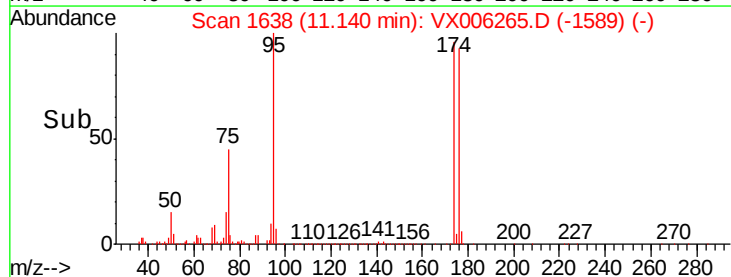
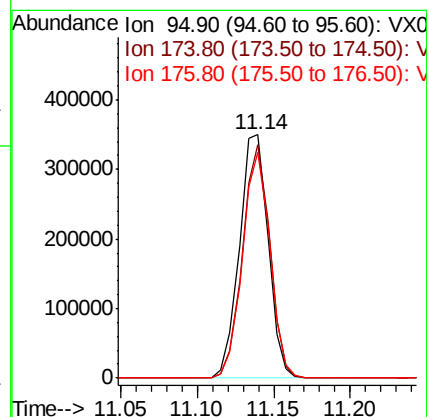
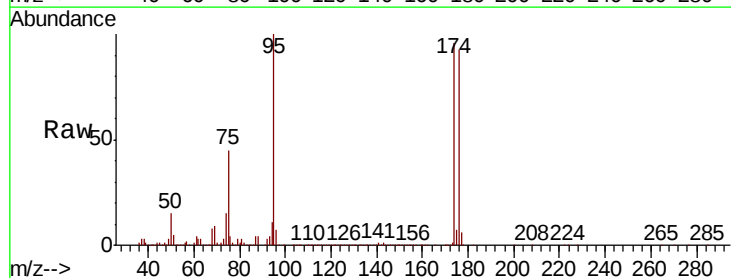
Tgt Ion: 95 Resp: 457341

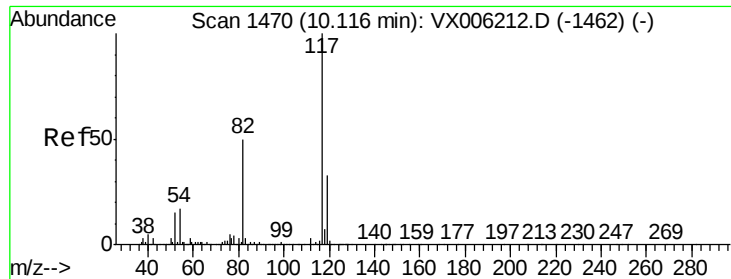
Ion Ratio Lower Upper

95 100

174 90.6 0.0 187.0

176 88.7 0.0 181.8

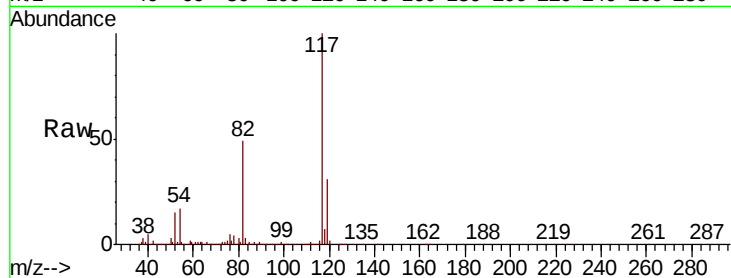




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 49.0  | 39.6  | 59.4  |
| 119     | 31.5  | 26.3  | 39.5  |

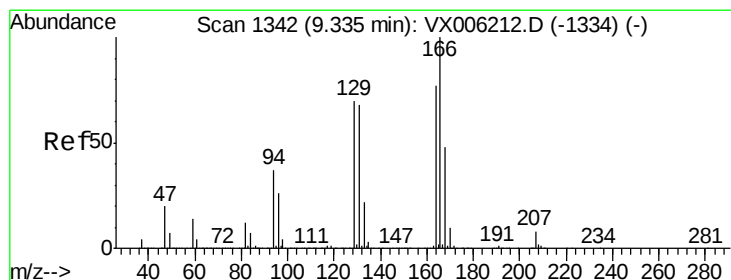
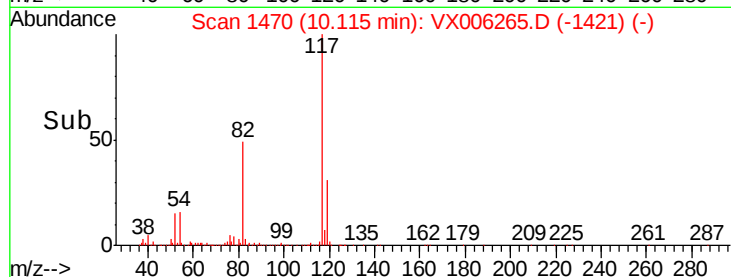
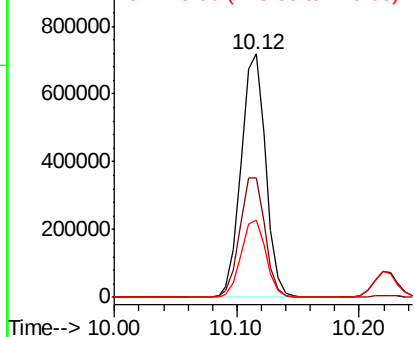


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 20.521 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.8 | 104.2 | 156.2 |
| 129     | 88.8  | 72.6  | 108.8 |
| 131     | 83.4  | 70.3  | 105.5 |

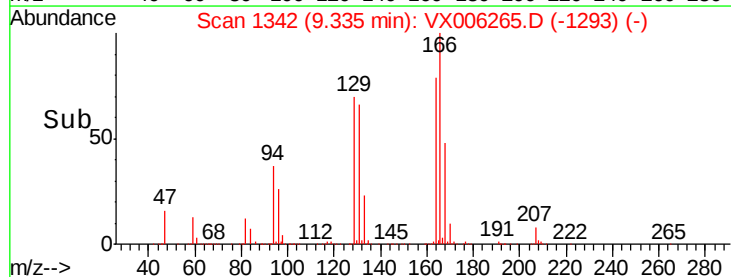
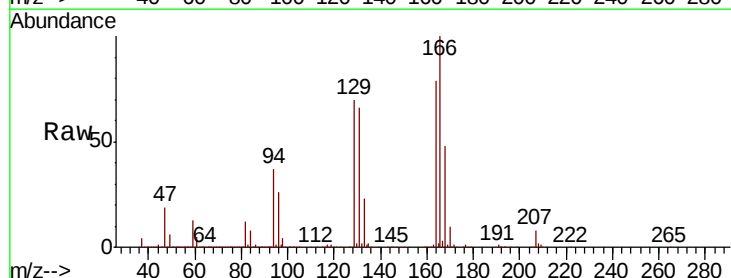
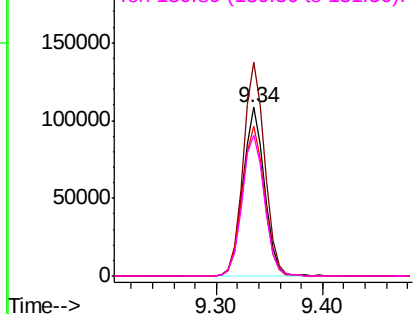
Abundance

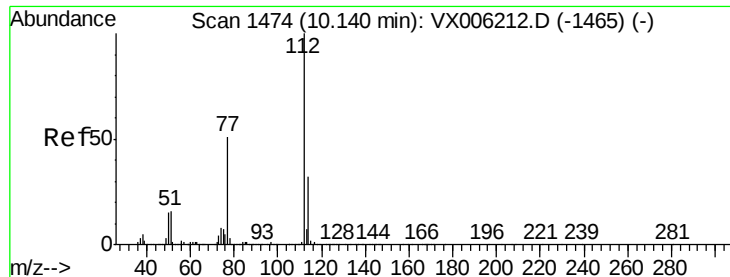
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

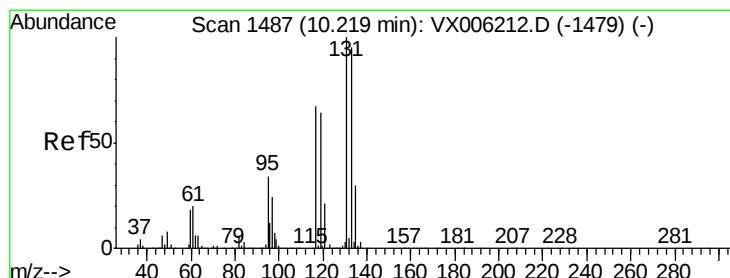
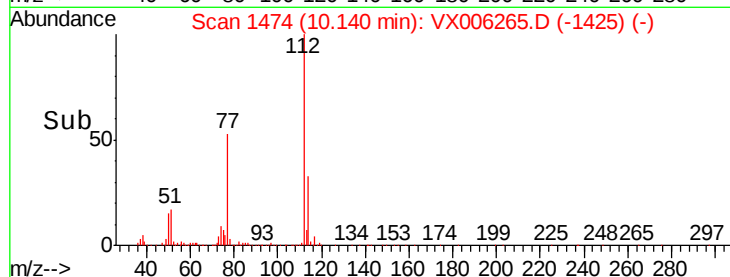
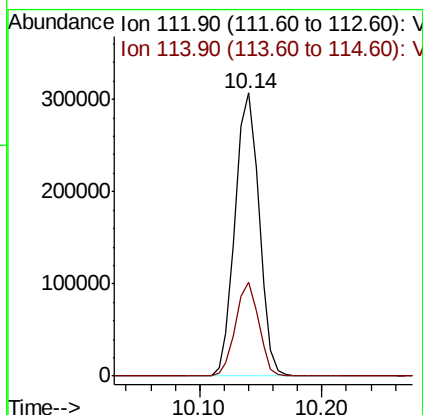
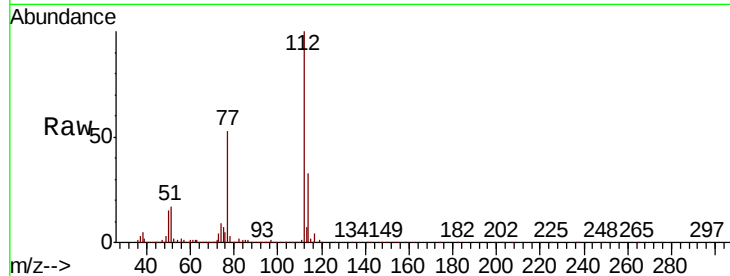




#65  
Chlorobenzene  
Concen: 19.778 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

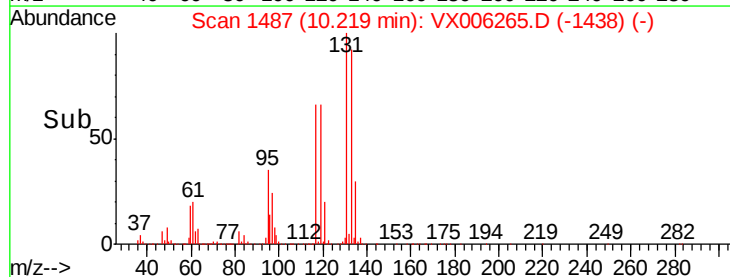
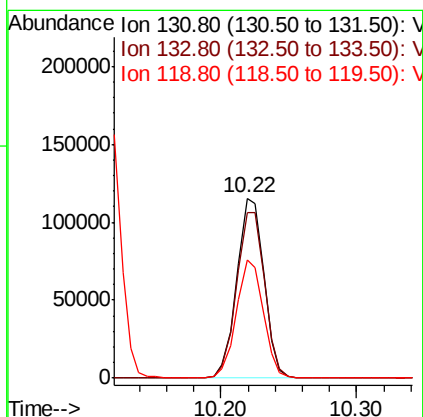
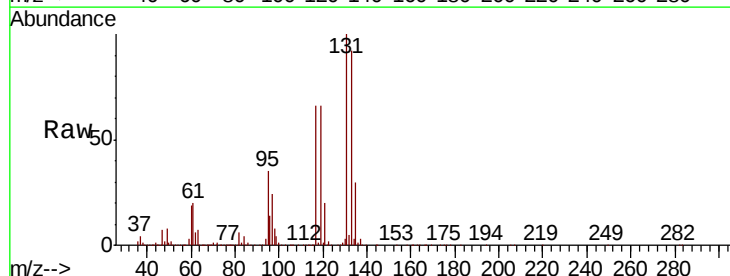
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203WBSD01

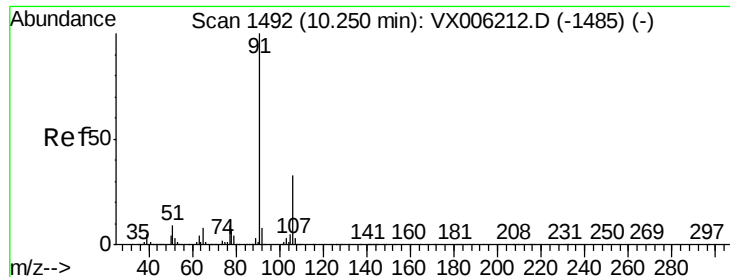
Tot Ion:112 Resp: 417443  
Ion Ratio Lower Upper  
112 100  
114 33.2 25.4 38.2



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.570 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Tgt Ion:131 Resp: 160489  
Ion Ratio Lower Upper  
131 100  
133 95.5 48.1 144.4  
119 65.3 32.1 96.3

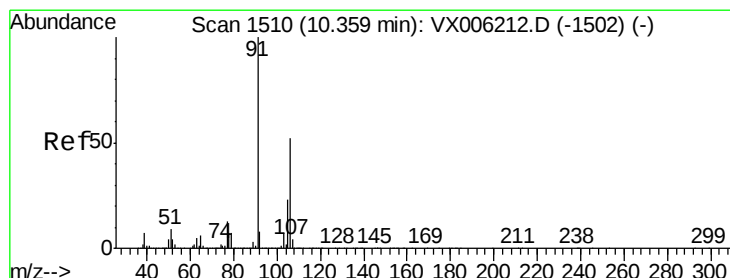
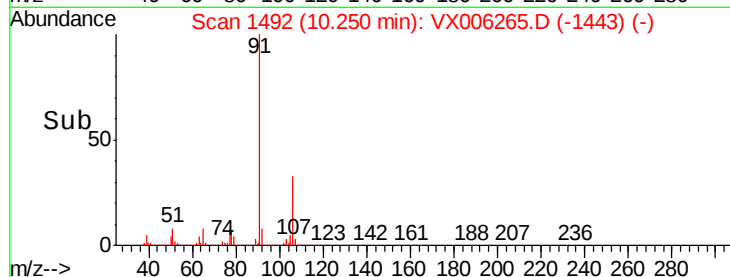
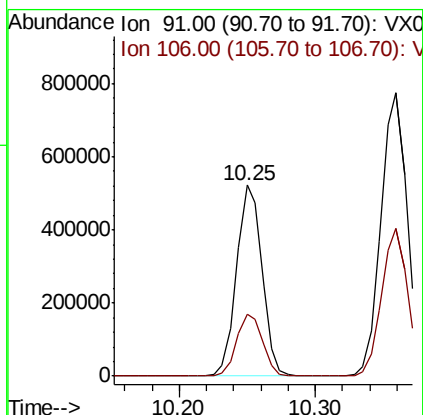
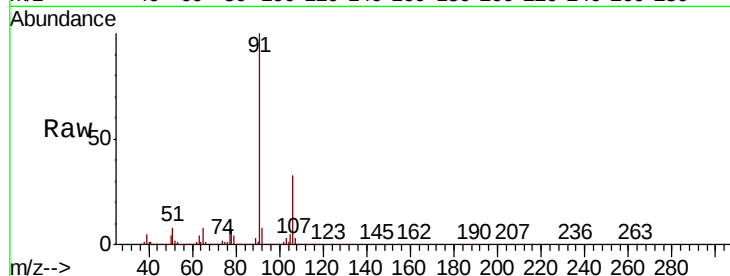




#67  
Ethyl Benzene  
Concen: 19.341 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

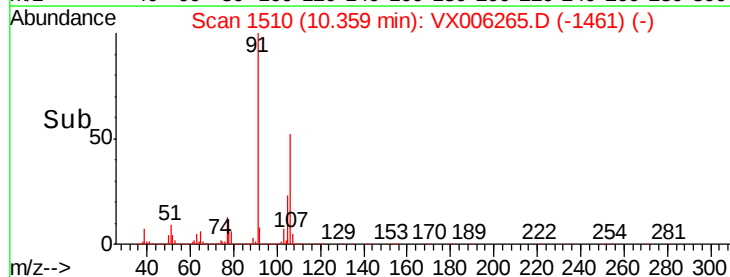
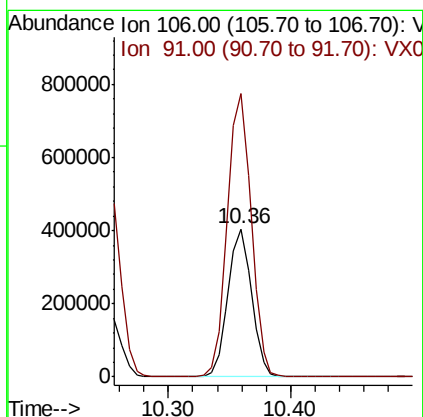
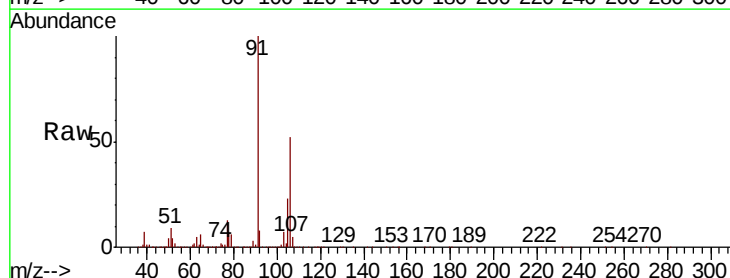
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203WBSD01

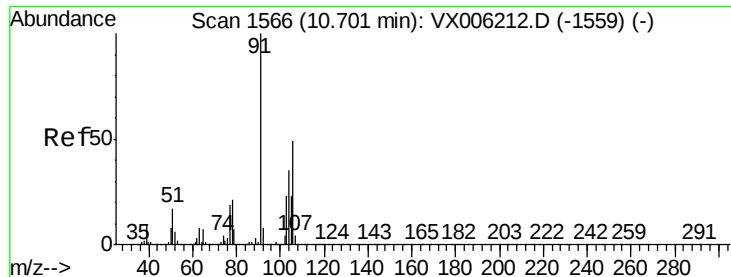
Tot Ion: 91 Resp: 678953  
Ion Ratio Lower Upper  
91 100  
106 32.6 26.5 39.7



#68  
m/p-Xylenes  
Concen: 38.374 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Tgt Ion: 106 Resp: 539616  
Ion Ratio Lower Upper  
106 100  
91 193.9 155.2 232.8

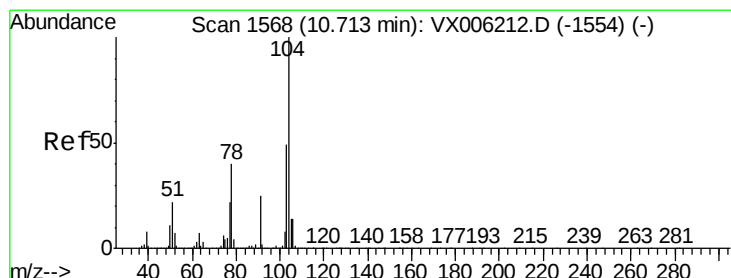
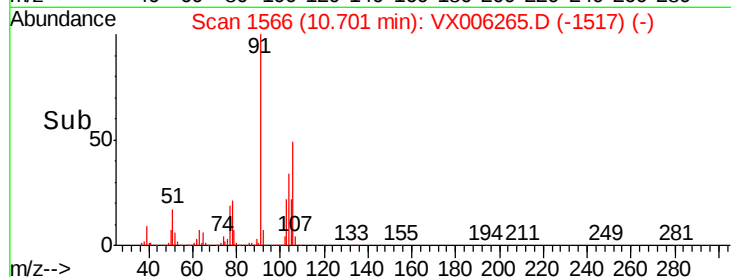
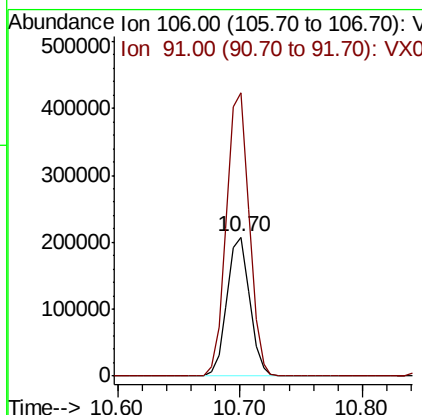
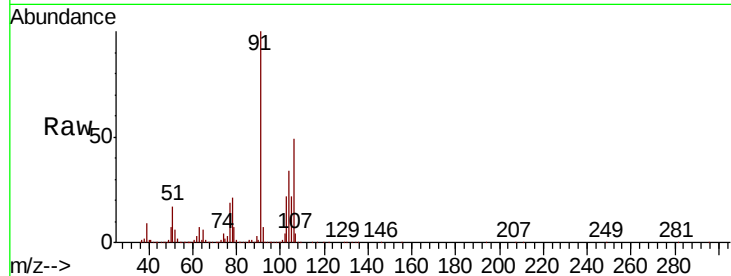




#69  
o-Xylene  
Concen: 19.165 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

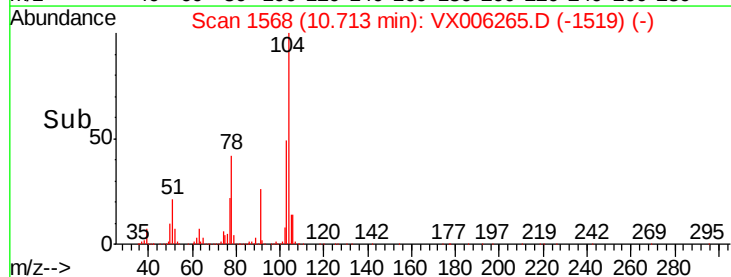
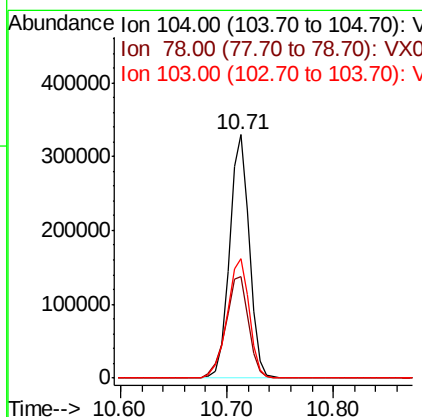
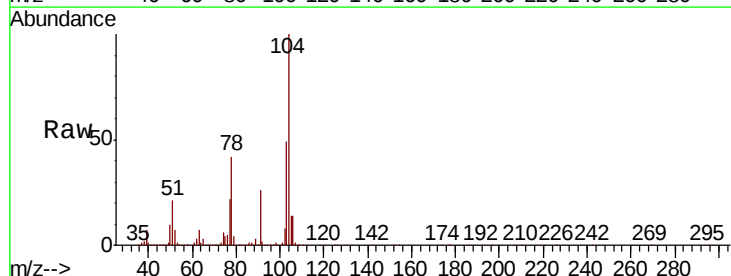
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203WBSD01

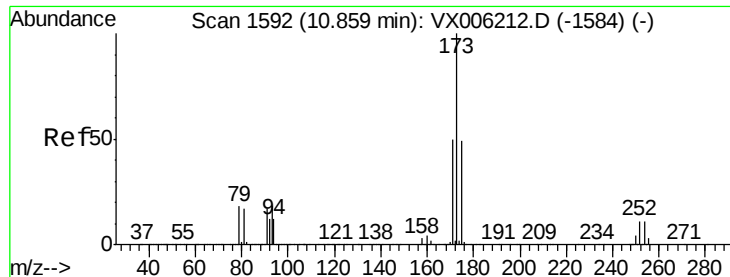
Tot Ion:106 Resp: 266205  
Ion Ratio Lower Upper  
106 100  
91 205.8 101.8 305.6



#70  
Styrene  
Concen: 19.033 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Tgt Ion:104 Resp: 427569  
Ion Ratio Lower Upper  
104 100  
78 48.2 37.2 55.8  
103 55.1 43.5 65.3





#71

Bromoform

Concen: 18.040 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

VX1203WBSD01

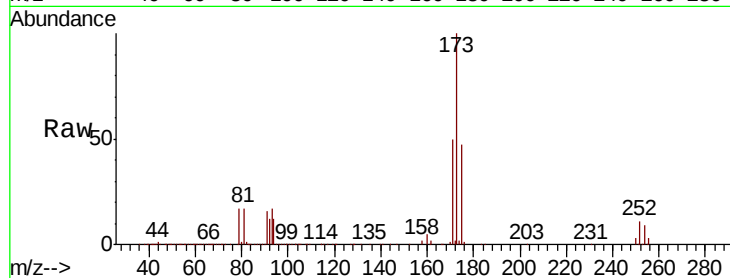
Tot Ion:173 Resp: 139653

Ion Ratio Lower Upper

173 100

175 48.9 24.6 73.8

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

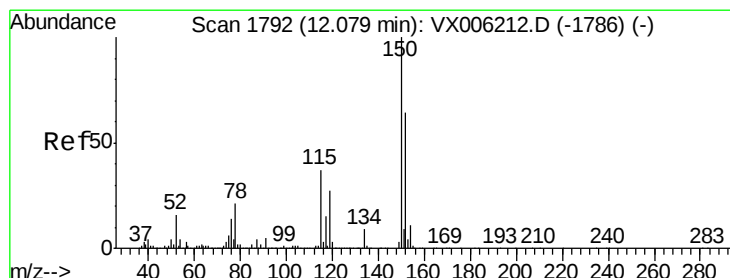
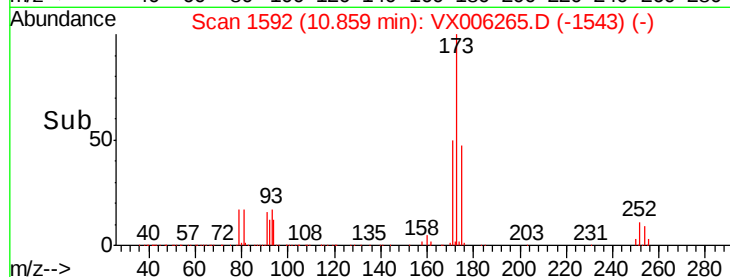
10.86

100000

50000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

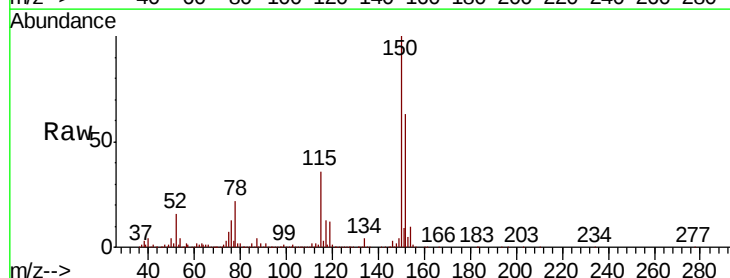
Tgt Ion:152 Resp: 487332

Ion Ratio Lower Upper

152 100

115 64.8 39.0 116.9

150 163.5 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

12.08

800000

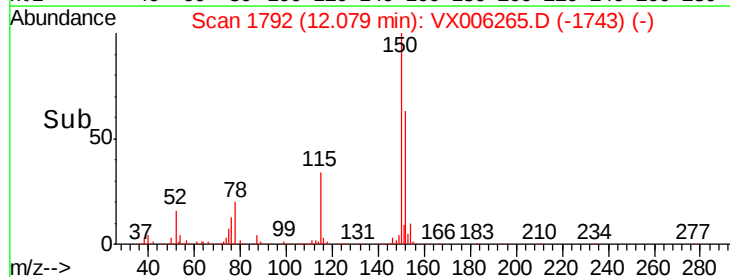
600000

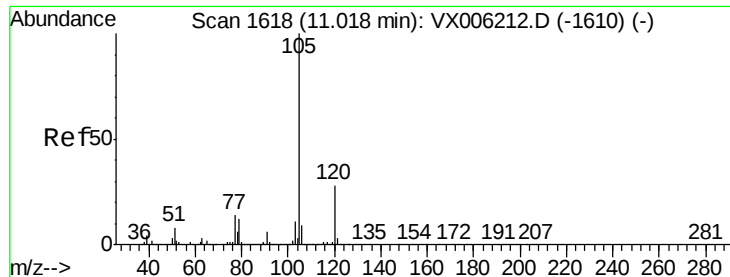
400000

200000

0

Time-->





#73

Isopropylbenzene

Concen: 20.849 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

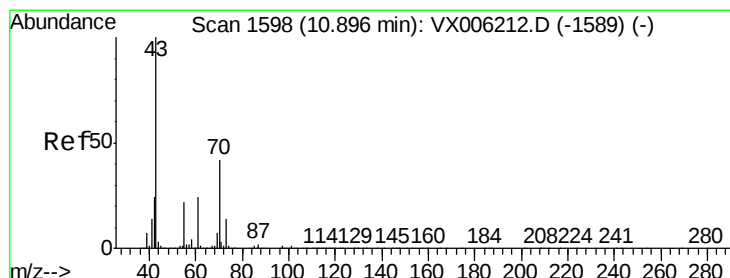
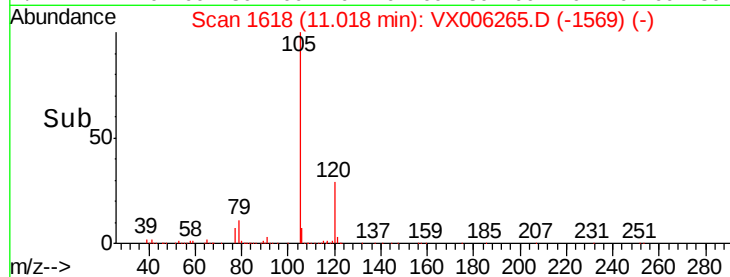
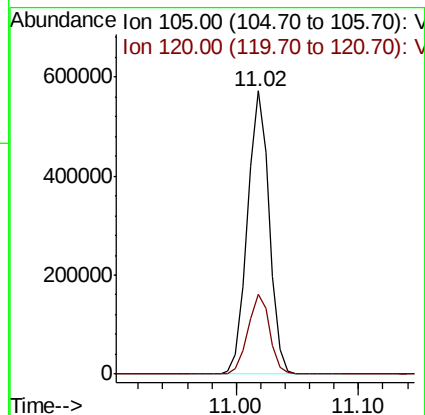
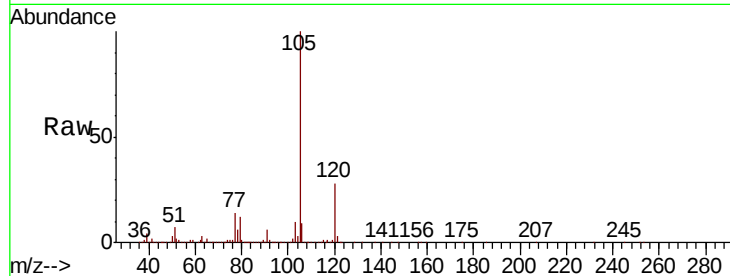
VX1203WBSD01

Tot Ion:105 Resp: 701680

Ion Ratio Lower Upper

105 100

120 28.2 14.1 42.3



#74

N-ethyl acetate

Concen: 19.370 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Tgt Ion: 43 Resp: 280715

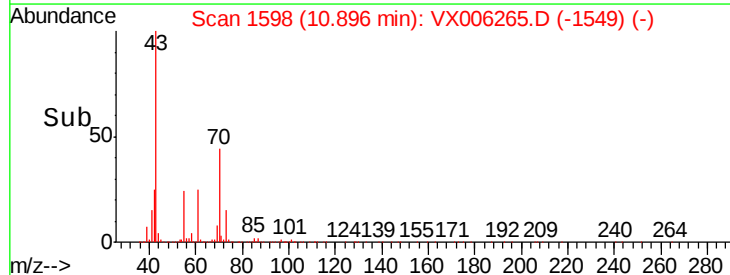
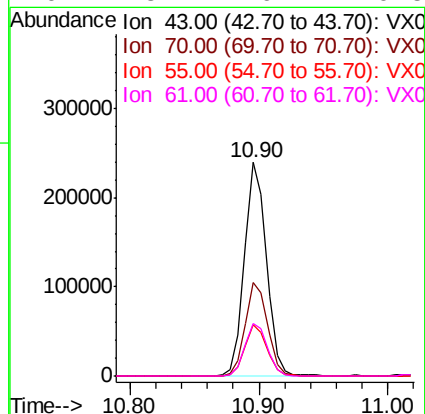
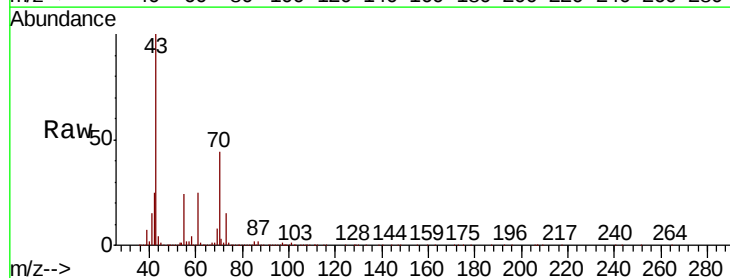
Ion Ratio Lower Upper

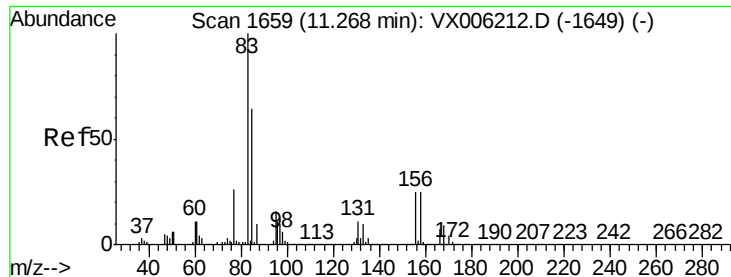
43 100

70 44.5 34.1 51.1

55 23.7 17.8 26.8

61 25.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.853 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

VX1203WBSD01

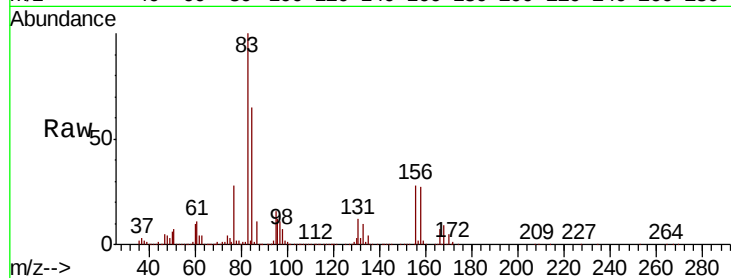
Tot Ion: 83 Resp: 224517

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.1

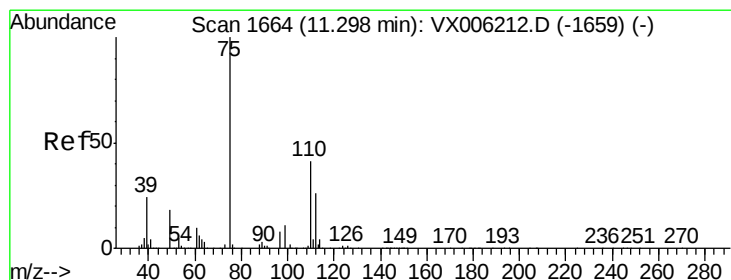
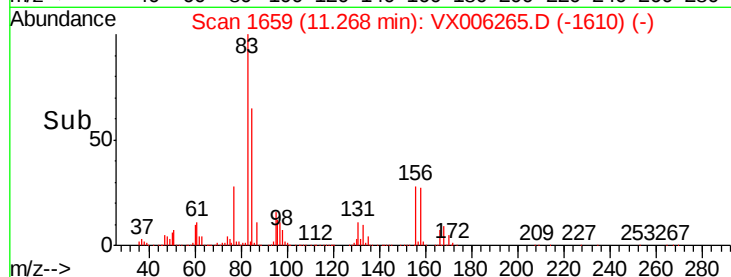
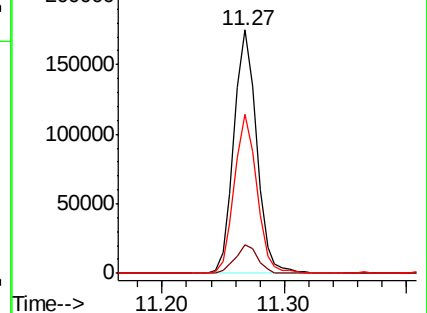
85 64.9 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.357 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006265.D

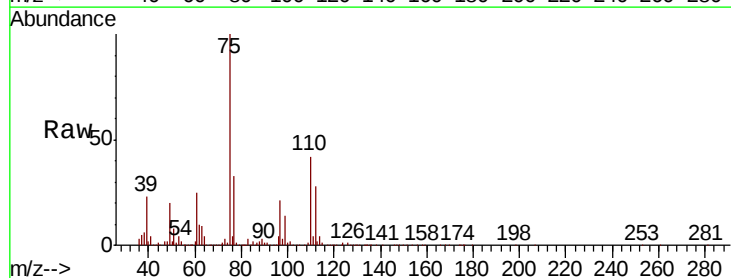
Acq: 03 Dec 2018 20:31

Tgt Ion: 75 Resp: 257325

Ion Ratio Lower Upper

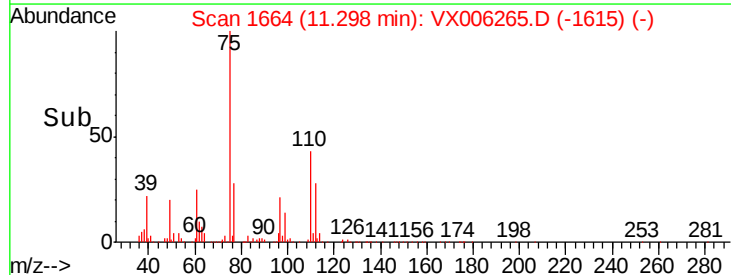
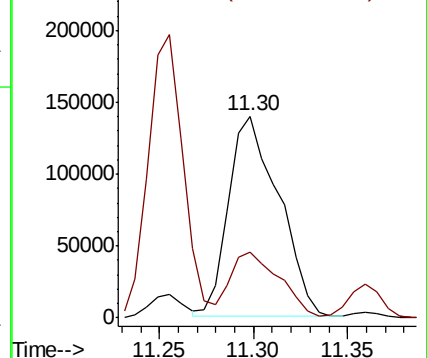
75 100

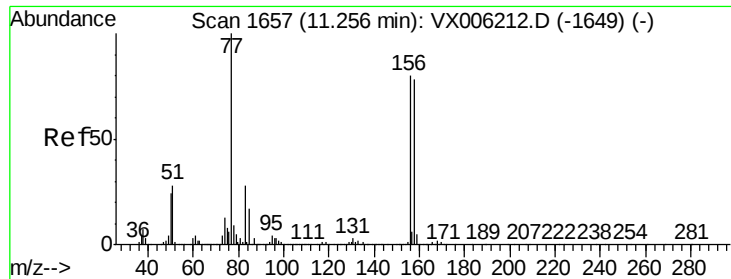
77 31.9 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.473 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

VX1203WBSD01

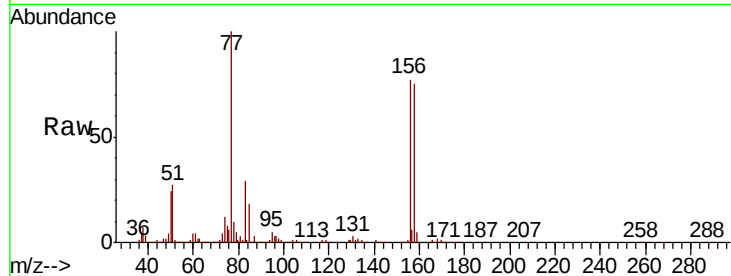
Tot Ion:156 Resp: 191211

Ion Ratio Lower Upper

156 100

77 134.5 66.2 198.6

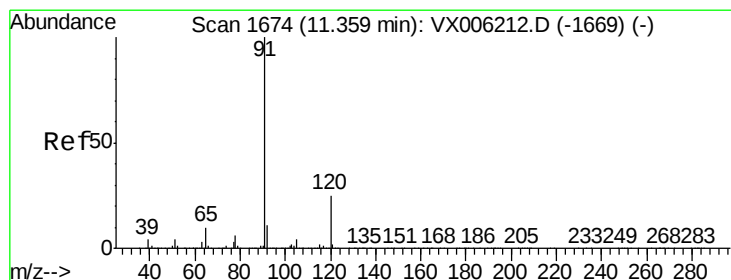
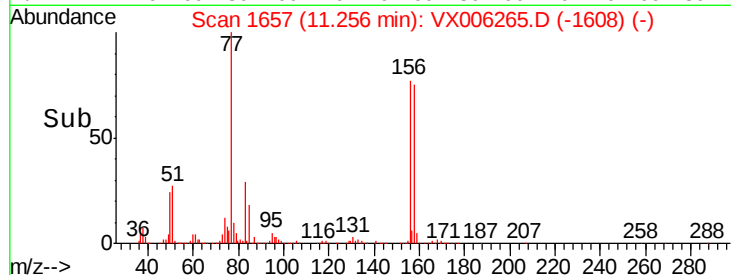
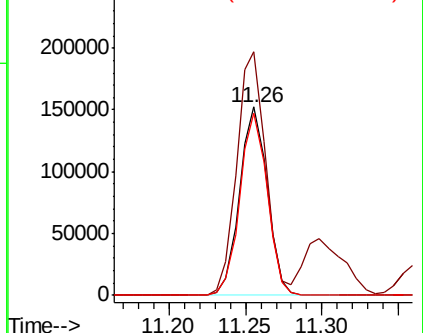
158 96.2 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.186 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006265.D

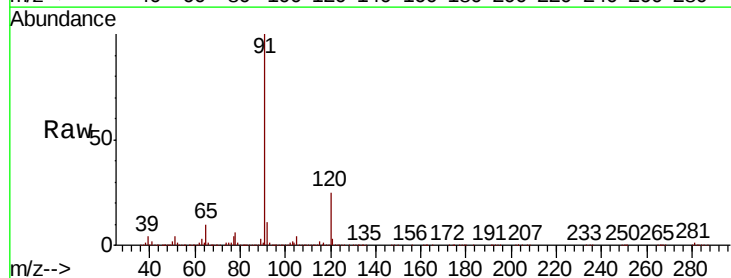
Acq: 03 Dec 2018 20:31

Tgt Ion: 91 Resp: 755157

Ion Ratio Lower Upper

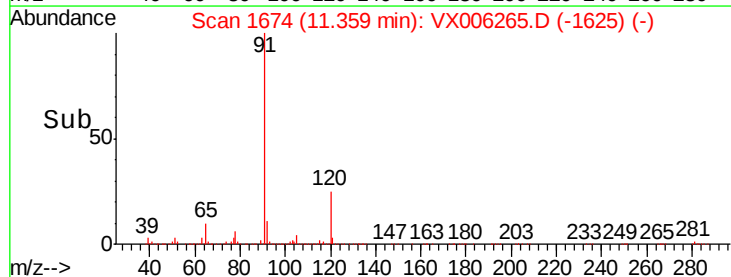
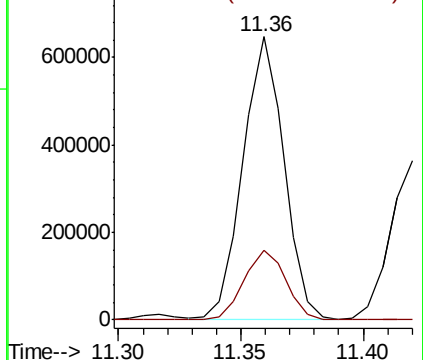
91 100

120 25.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.406 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

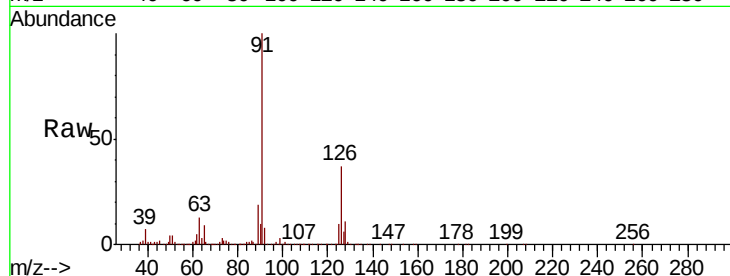
VX1203WBSD01

Tot Ion: 91 Resp: 453730

Ion Ratio Lower Upper

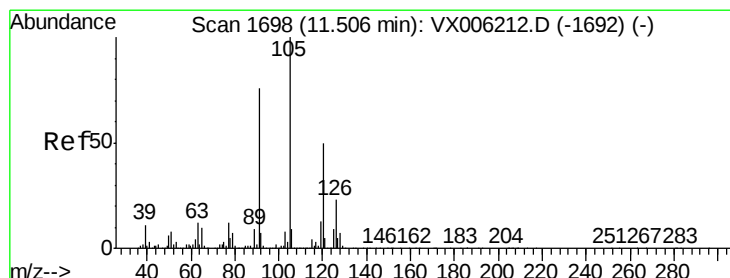
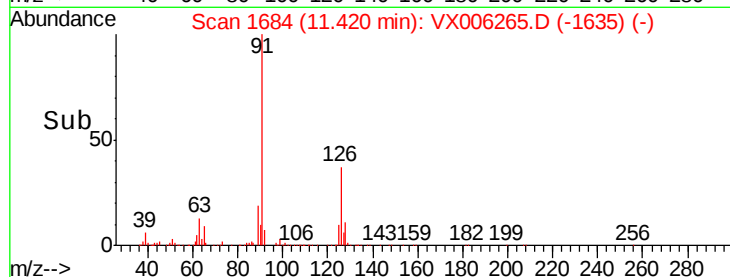
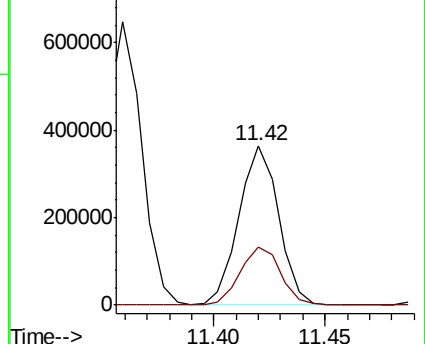
91 100

126 37.2 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.443 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006265.D

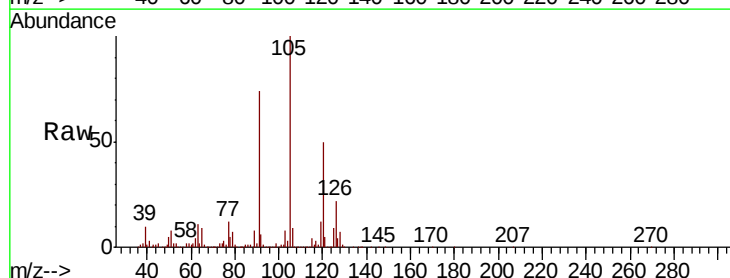
Acq: 03 Dec 2018 20:31

Tgt Ion:105 Resp: 572425

Ion Ratio Lower Upper

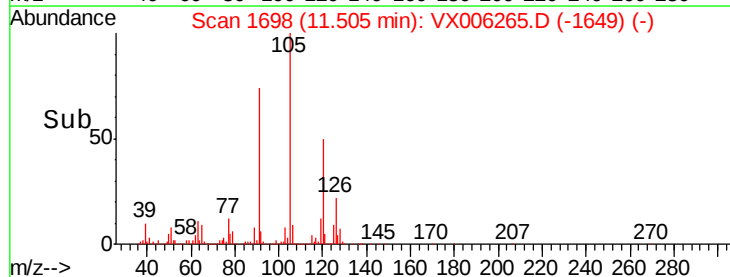
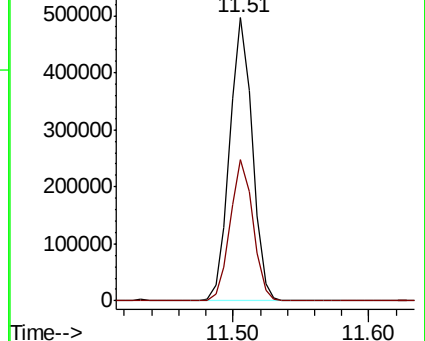
105 100

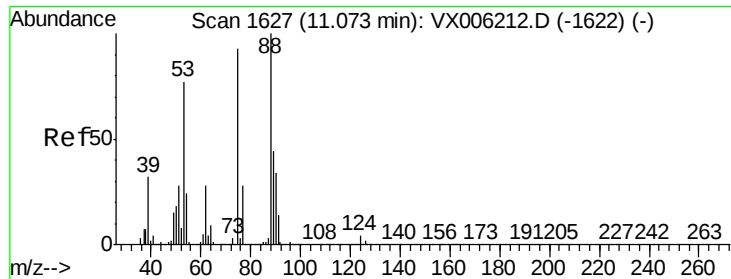
120 50.4 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

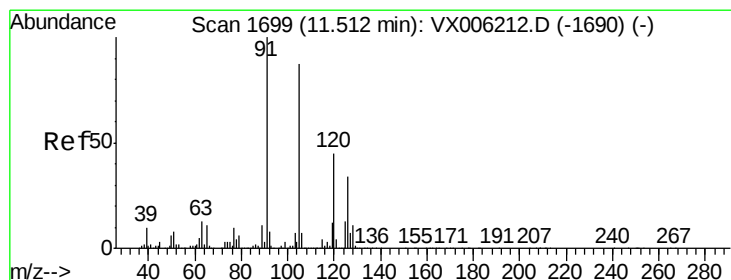
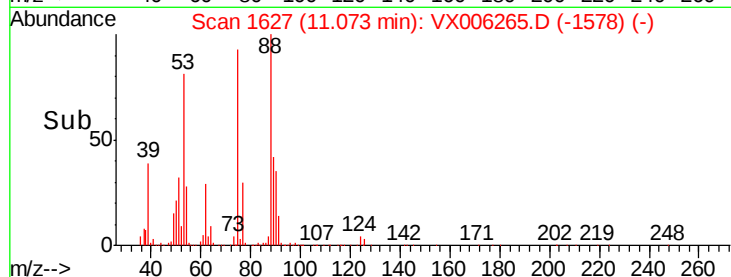
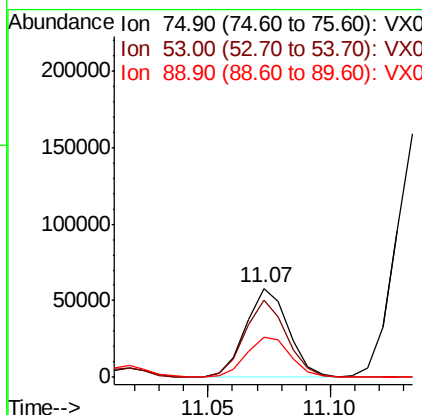
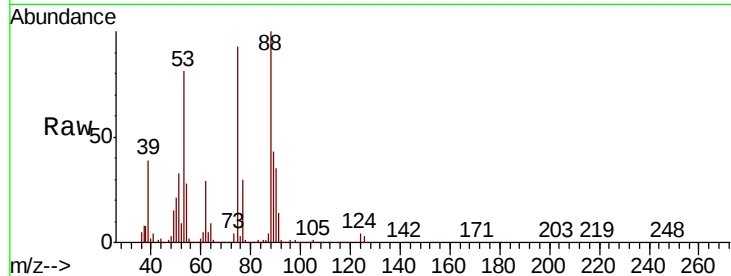




#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.563 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

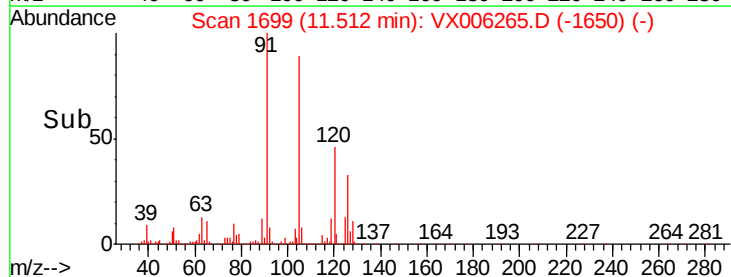
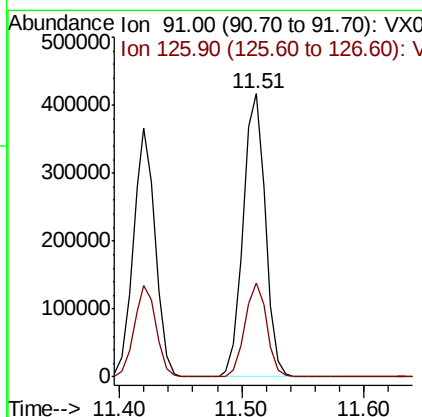
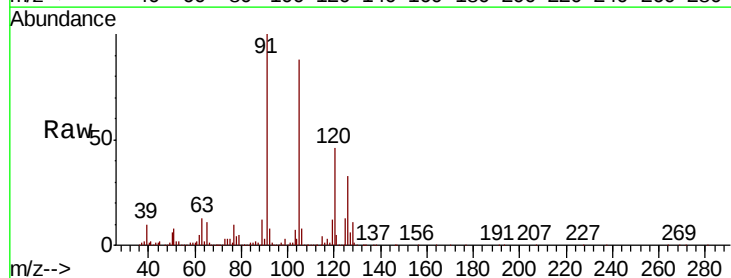
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203WBSD01

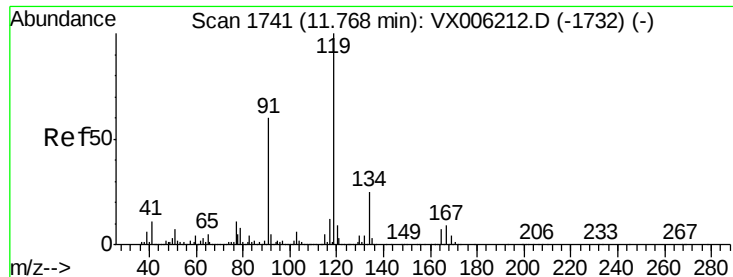
Tot Ion: 75 Resp: 70397  
Ion Ratio Lower Upper  
75 100  
53 84.7 64.4 96.6  
89 47.8 44.2 66.4



#82  
4-Chlorotoluene  
Concen: 20.211 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. -0.00 min  
Lab File: VX006265.D  
Acq: 03 Dec 2018 20:31

Tgt Ion: 91 Resp: 522487  
Ion Ratio Lower Upper  
91 100  
126 32.7 16.4 49.4

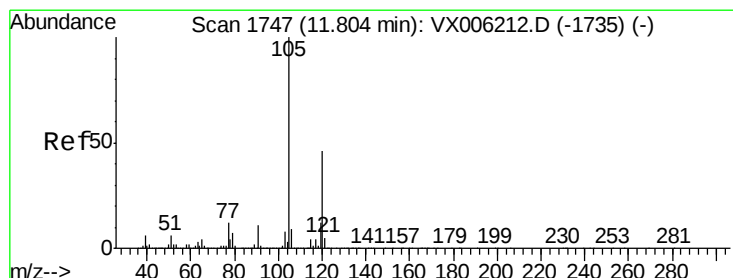
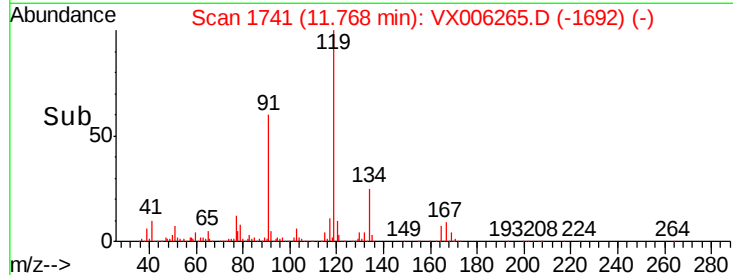
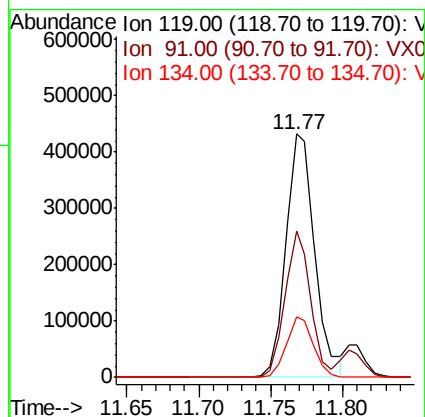
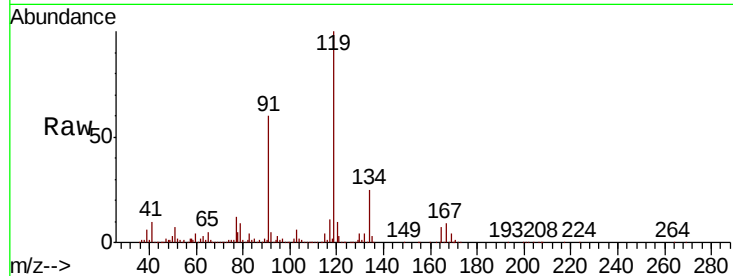




#83  
 tert-Butylbenzene  
 Concen: 20.391 ug/l  
 RT: 11.77 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: VX006265.D  
 Acq: 03 Dec 2018 20:31

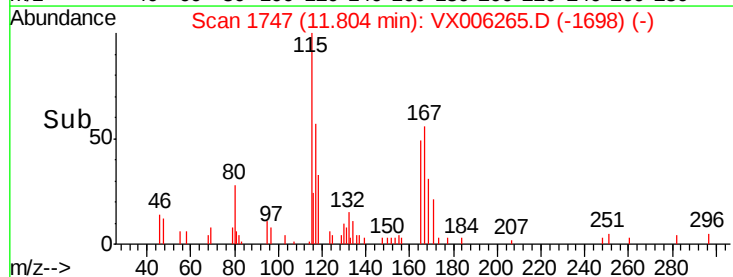
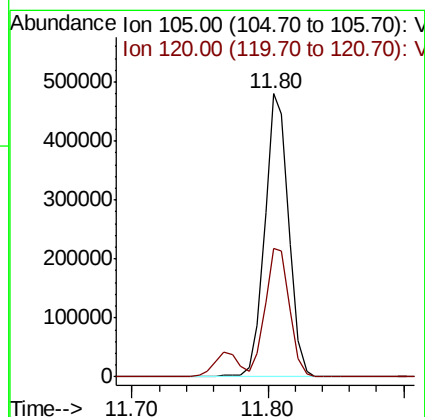
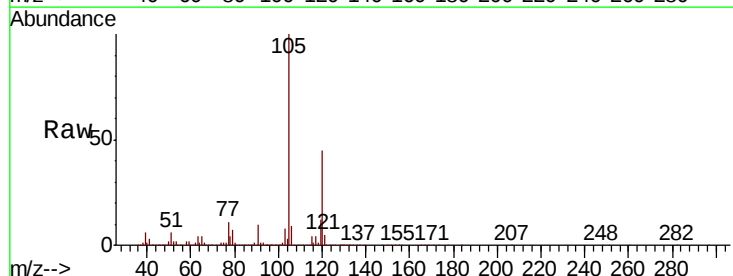
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1203WBSD01

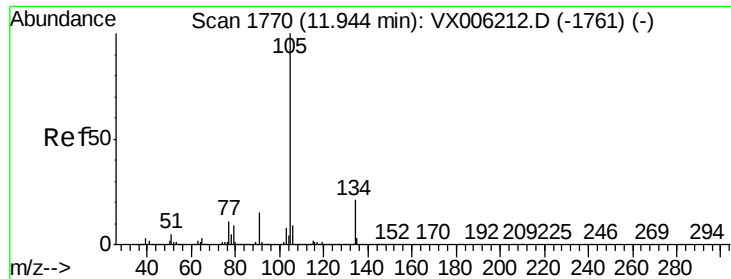
Tot Ion:119 Resp: 609222  
 Ion Ratio Lower Upper  
 119 100  
 91 53.3 26.4 79.2  
 134 23.2 11.6 34.7



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.490 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. -0.00 min  
 Lab File: VX006265.D  
 Acq: 03 Dec 2018 20:31

Tgt Ion:105 Resp: 592439  
 Ion Ratio Lower Upper  
 105 100  
 120 46.1 23.4 70.0





#85

sec-Butylbenzene

Concen: 20.345 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

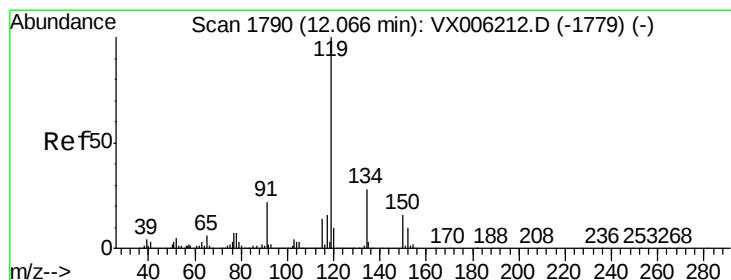
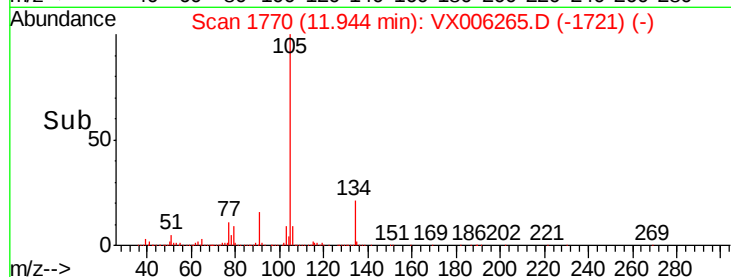
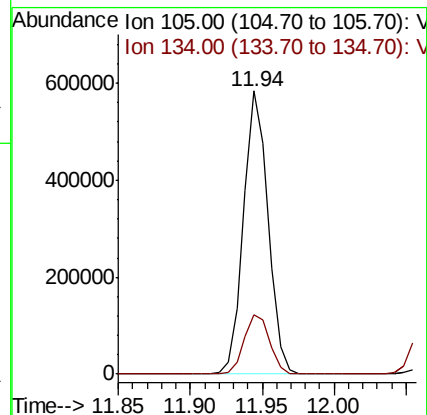
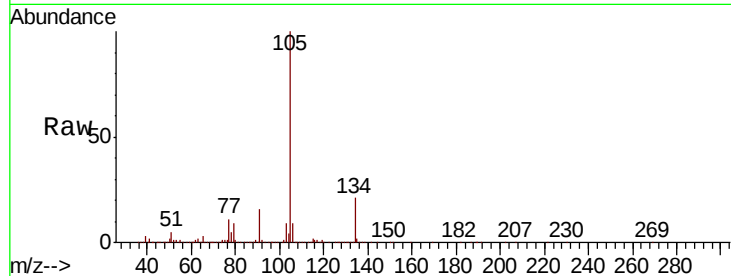
VX1203WBSD01

Tot Ion:105 Resp: 691513

Ion Ratio Lower Upper

105 100

134 21.8 10.8 32.4



#86

p-Isopropyltoluene

Concen: 20.133 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

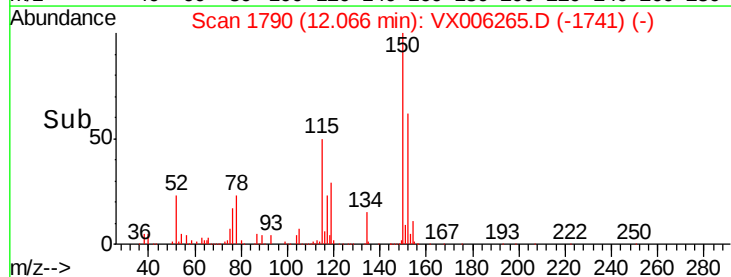
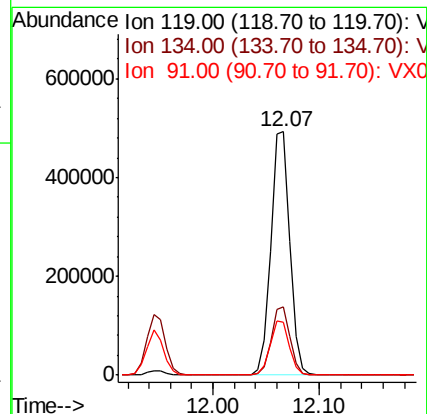
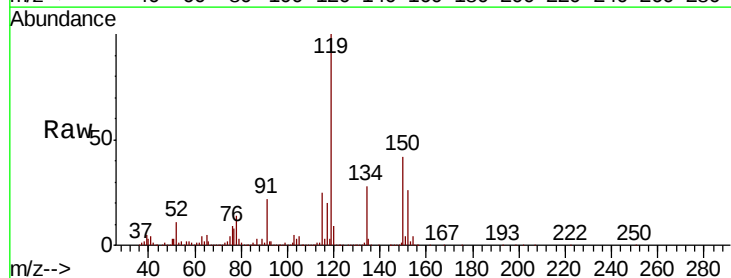
Tgt Ion:119 Resp: 616195

Ion Ratio Lower Upper

119 100

134 27.6 13.9 41.6

91 22.5 11.3 33.8

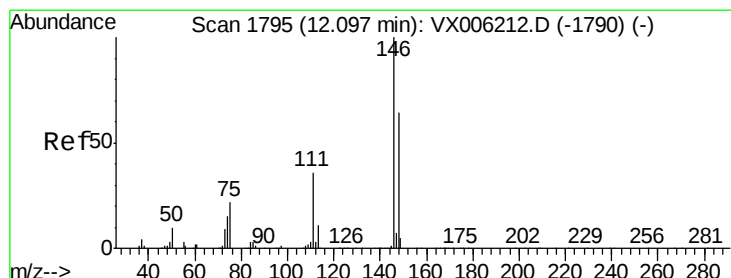
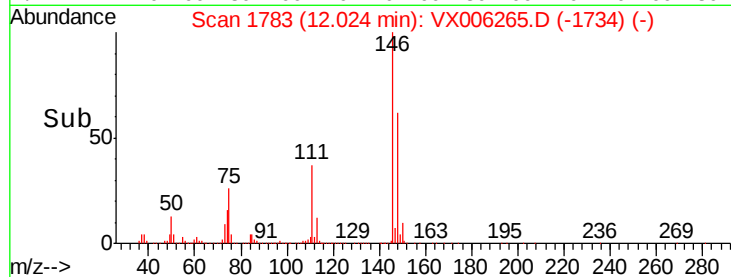
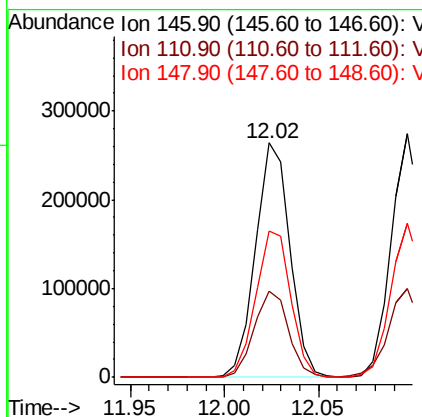
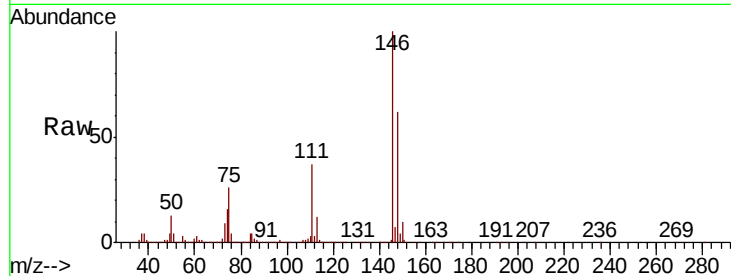




#87  
 1,3-Dichlorobenzene  
 Concen: 20.106 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.00 min  
 Lab File: VX006265.D  
 Acq: 03 Dec 2018 20:31

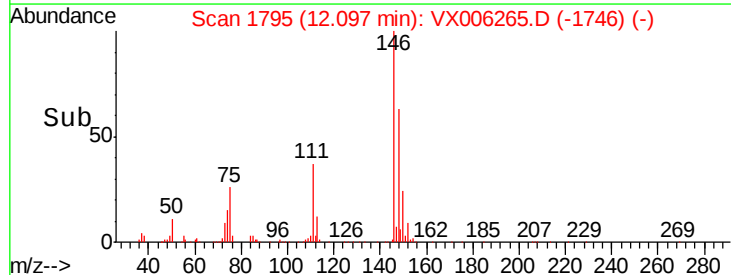
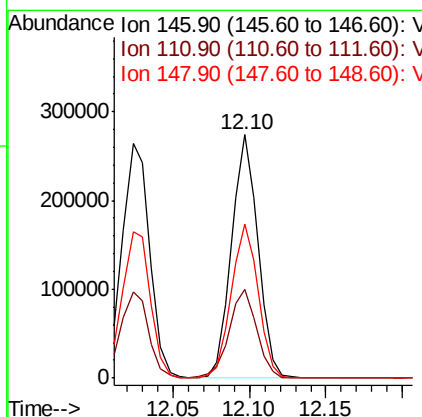
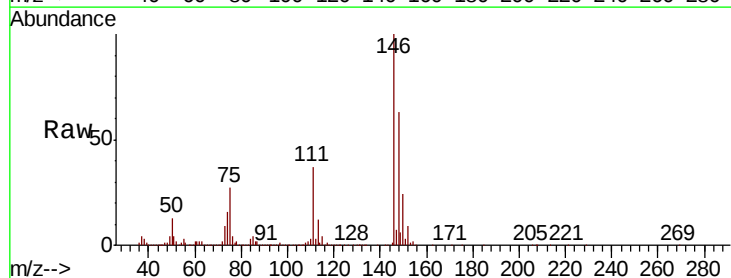
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX1203WBSD01

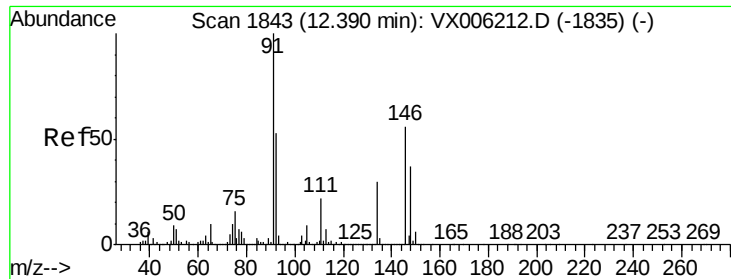
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.0  | 18.4  | 55.2  |
| 148     | 63.6  | 32.0  | 96.0  |



#88  
 1,4-Dichlorobenzene  
 Concen: 19.350 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX006265.D  
 Acq: 03 Dec 2018 20:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 18.3  | 54.8  |
| 148     | 64.6  | 31.9  | 95.9  |





#89

n-Butylbenzene

Concen: 19.192 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleID :

VX1203WBSD01

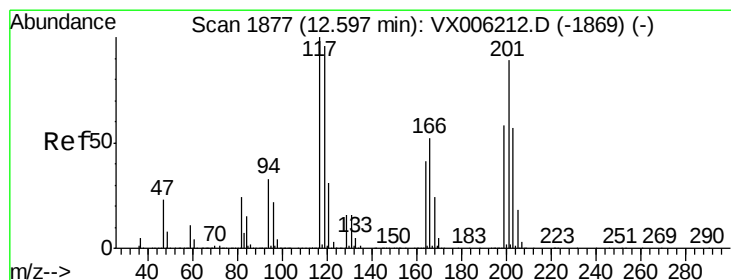
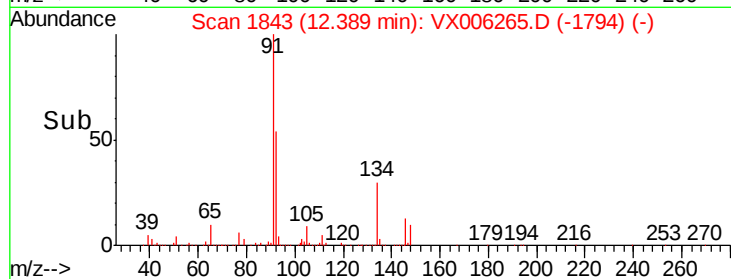
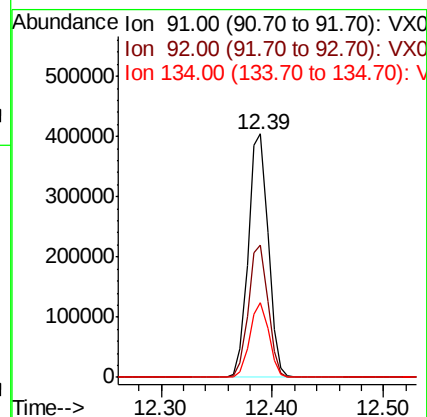
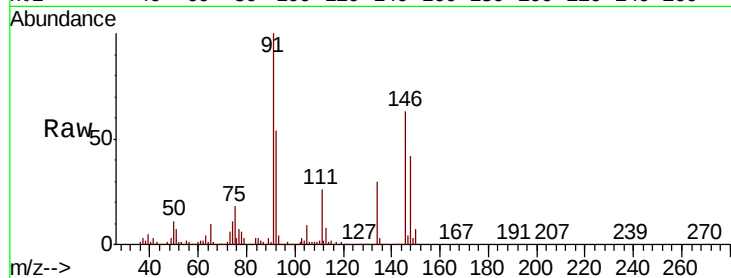
Tot Ion: 91 Resp: 501192

Ion Ratio Lower Upper

91 100

92 53.5 26.6 79.8

134 29.5 14.8 44.3



#90

Hexachloroethane

Concen: 19.762 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX006265.D

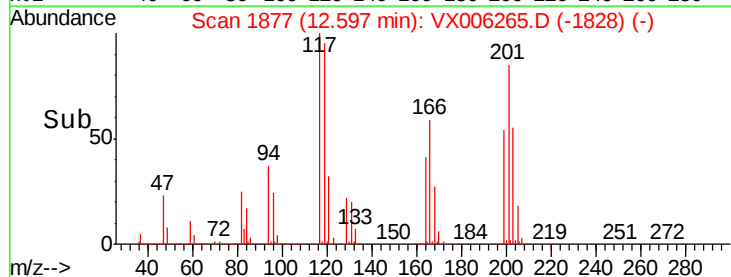
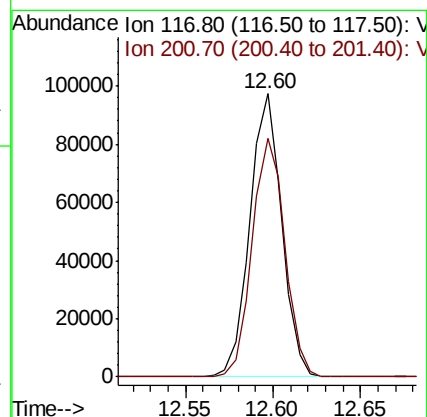
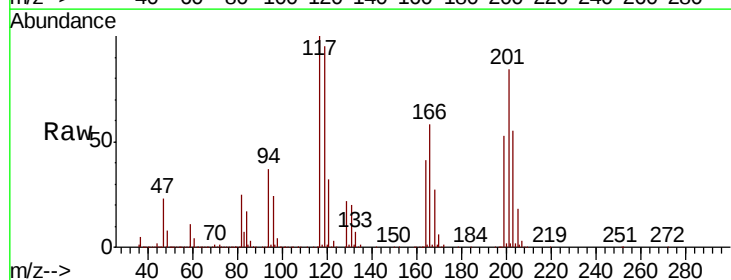
Acq: 03 Dec 2018 20:31

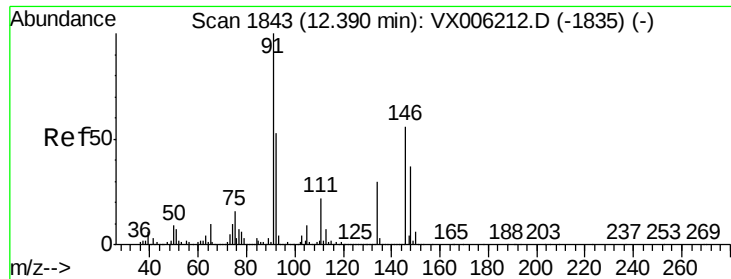
Tgt Ion: 117 Resp: 123269

Ion Ratio Lower Upper

117 100

201 86.3 44.7 134.1





#91

1,2-Dichlorobenzene

Concen: 19.903 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

MSVOA\_X

ClientSampleId :

VX1203WBSD01

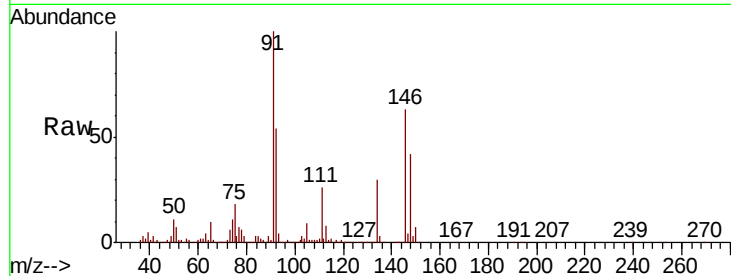
Tot Ion:146 Resp: 328272

Ion Ratio Lower Upper

146 100

111 39.1 19.1 57.3

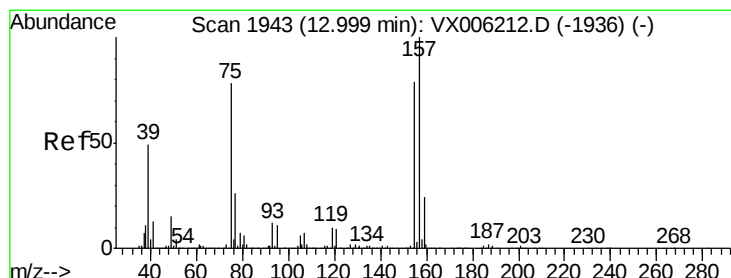
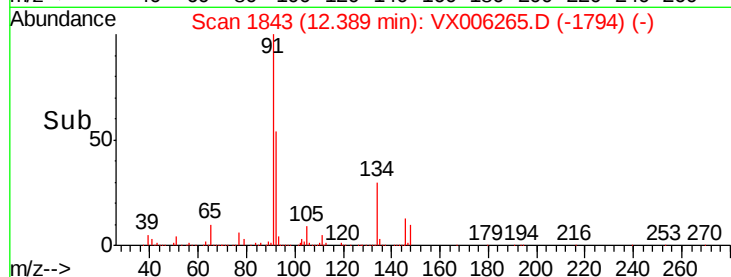
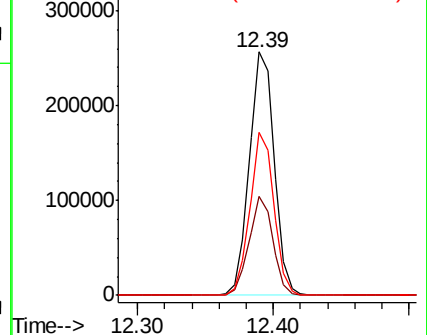
148 64.5 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.213 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

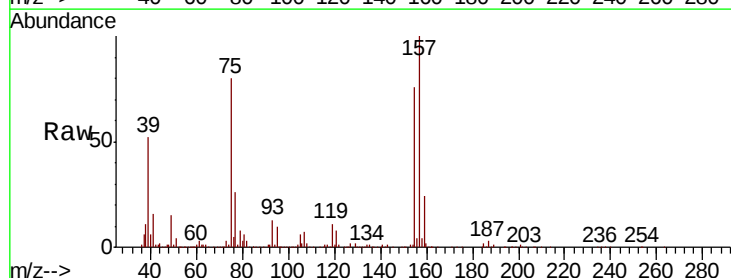
Tgt Ion: 75 Resp: 53028

Ion Ratio Lower Upper

75 100

155 99.6 53.4 160.3

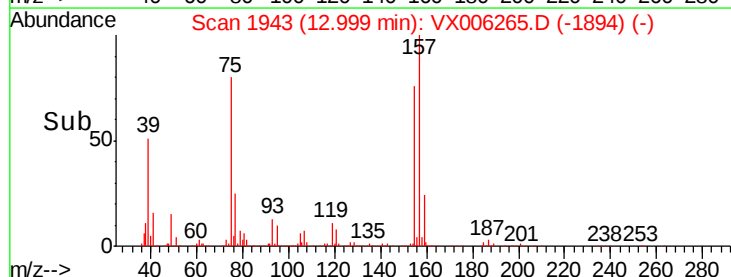
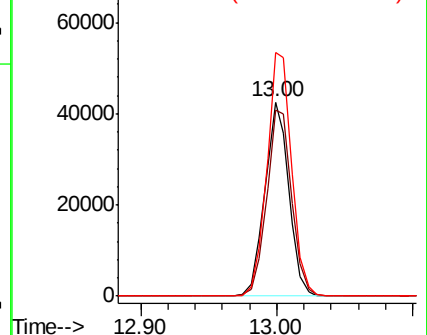
157 129.3 68.0 203.8

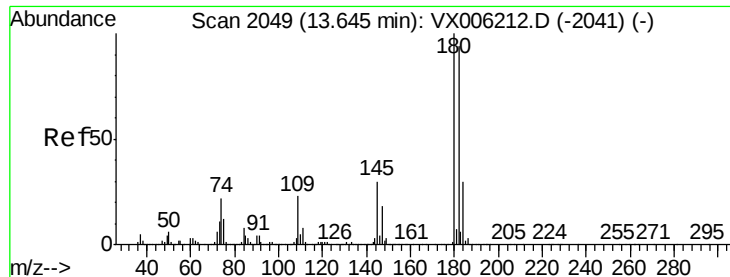


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

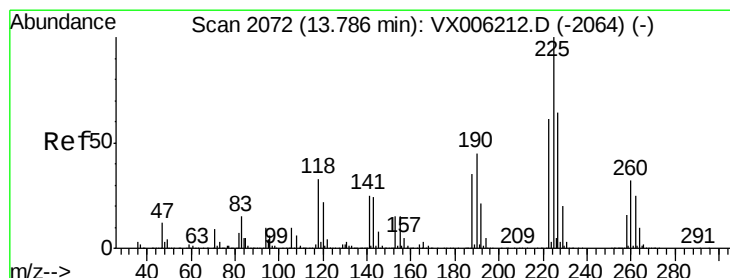
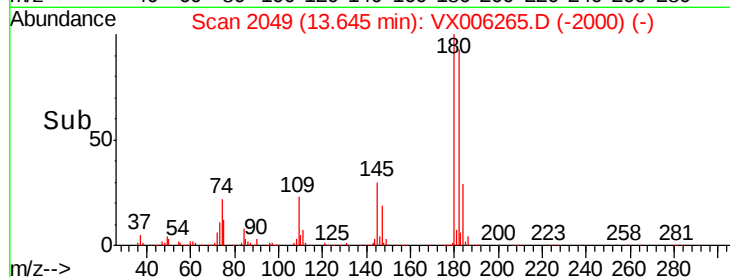
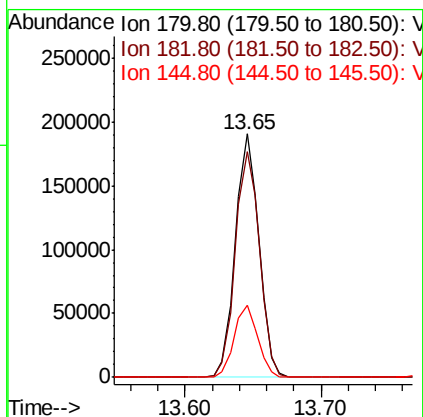
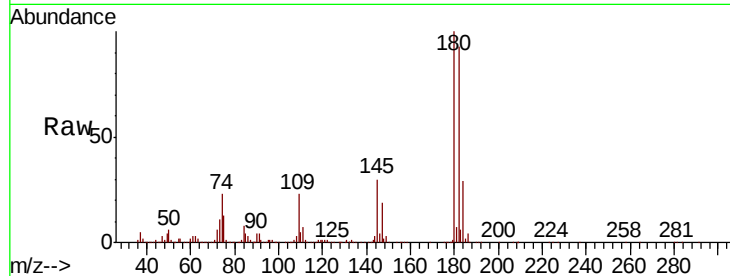




#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.134 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX006265.D  
 Acq: 03 Dec 2018 20:31

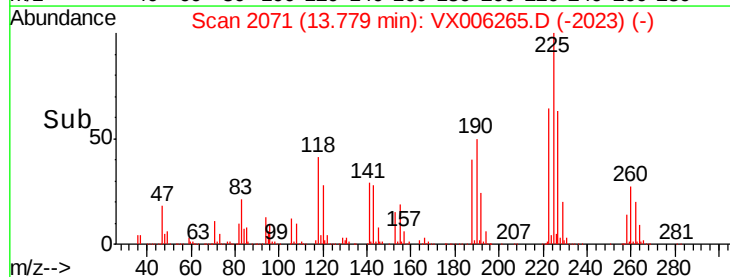
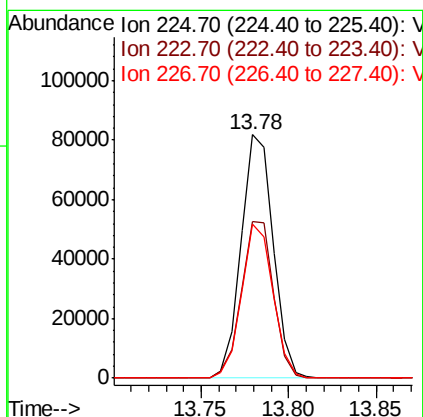
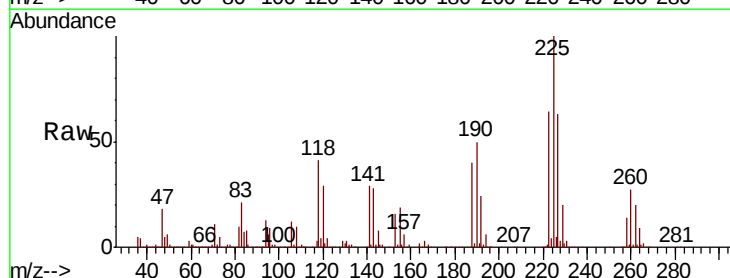
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1203WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.3  | 47.3  | 141.9 |
| 145     | 29.5  | 14.6  | 43.8  |



#94  
 Hexachlorobutadiene  
 Concen: 19.555 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. -0.01 min  
 Lab File: VX006265.D  
 Acq: 03 Dec 2018 20:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.6  | 31.2  | 93.6  |
| 227     | 62.0  | 31.9  | 95.5  |





#95

Naphthalene

Concen: 20.110 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Instrument :

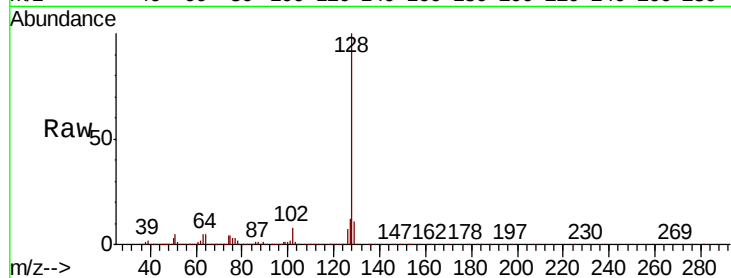
MSVOA\_X

ClientSampleId :

VX1203WBSD01

Tot Ion:128 Resp: 752721

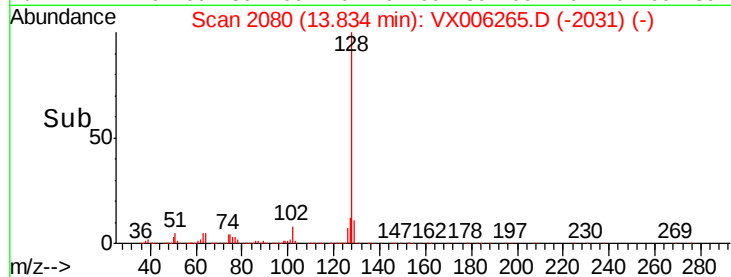
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.8  | 10.2  | 15.4  |
| 129 | 11.1  | 8.9   | 13.3  |



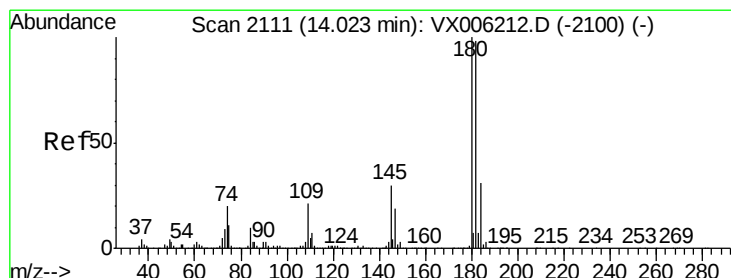
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 19.274 ug/l

RT: 14.02 min Scan# 2110

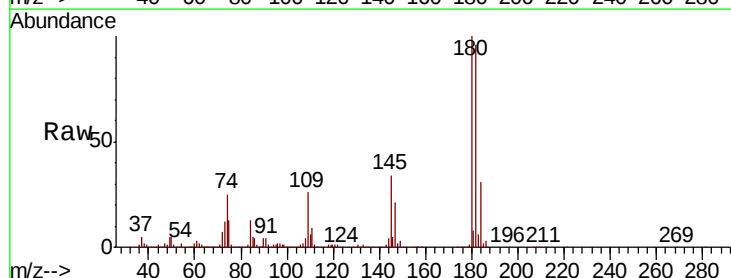
Delta R.T. -0.01 min

Lab File: VX006265.D

Acq: 03 Dec 2018 20:31

Tgt Ion:180 Resp: 229710

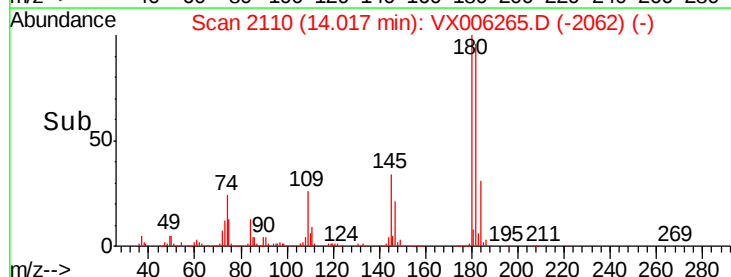
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 97.0  | 48.4  | 145.2 |
| 145 | 32.1  | 15.6  | 46.8  |



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

