

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\  
 Data File : VX004970.D  
 Acq On : 03 Oct 2018 15:46  
 Operator : JC/MD  
 Sample : VX1004WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1004WBS01

Quant Time: Oct 04 01:22:31 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 268598   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 383898   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 359867   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 217319   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 177724   | 46.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.64%  |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 147608   | 45.37 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.74%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 570821   | 52.77 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.54% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 211869   | 54.37 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.74% |      |

| Target Compounds              |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 76102  | 20.780  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 81772  | 18.404  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 81637  | 19.590  | ug/l | 99     |
| 5) Bromomethane               | 1.64 | 94  | 43376  | 17.553  | ug/l | 93     |
| 6) Chloroethane               | 1.71 | 64  | 47605  | 19.544  | ug/l | 95     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 104909 | 20.335  | ug/l | 95     |
| 8) Diethyl Ether              | 2.19 | 74  | 43755  | 19.523  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 62128  | 21.141  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 51730  | 13.154  | ug/l | 93     |
| 11) Tert butyl alcohol        | 3.07 | 59  | 114544 | 106.767 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 58009  | 19.932  | ug/l | 99     |
| 13) Acrolein                  | 2.29 | 56  | 25440  | 33.328  | ug/l | 92     |
| 14) Allyl chloride            | 2.73 | 41  | 128031 | 20.162  | ug/l | 97     |
| 15) Acrylonitrile             | 3.15 | 53  | 242195 | 102.550 | ug/l | 96     |
| 16) Acetone                   | 2.45 | 43  | 225094 | 100.485 | ug/l | 92     |
| 17) Carbon Disulfide          | 2.57 | 76  | 152854 | 17.479  | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 131505 | 23.171  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 215579 | 21.475  | ug/l | 96     |
| 20) Methylene Chloride        | 2.85 | 84  | 67794  | 20.317  | ug/l | 92     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 61160  | 19.197  | ug/l | 85     |
| 22) Diisopropyl ether         | 3.87 | 45  | 217332 | 20.325  | ug/l | 94     |
| 23) Vinyl Acetate             | 3.82 | 43  | 945803 | 96.629  | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 124313 | 19.489  | ug/l | 99     |
| 25) 2-Butanone                | 4.70 | 43  | 328924 | 99.616  | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 91706  | 20.646  | ug/l | 97     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 68762  | 19.320  | ug/l | 95     |
| 28) Bromochloromethane        | 5.01 | 49  | 56689  | 18.873  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.16 | 42  | 211145 | 102.884 | ug/l | 99     |
| 30) Chloroform                | 5.21 | 83  | 112896 | 18.728  | ug/l | 98     |
| 31) Cyclohexane               | 5.57 | 56  | 103714 | 21.244  | ug/l | 92     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 96058  | 19.511  | ug/l | 95     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 83497  | 18.809  | ug/l | 94     |
| 37) Ethyl Acetate             | 4.86 | 43  | 113925 | 19.334  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 81975  | 17.567  | ug/l | 99     |

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 Sample : VX1004WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1004WBS01

Quant Time: Oct 04 01:22:31 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 100457   | 22.162  | ug/l # | 84       |
| 40) Benzene                    | 6.14  | 78   | 257594   | 18.535  | ug/l   | 97       |
| 41) Methacrylonitrile          | 5.06  | 41   | 63933    | 19.564  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 90528    | 18.427  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 164409   | 19.331  | ug/l   | 96       |
| 44) Trichloroethene            | 7.21  | 130  | 69523    | 20.350  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 68527    | 20.107  | ug/l   | 97       |
| 46) Dibromomethane             | 7.66  | 93   | 43726    | 20.415  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 80772    | 20.142  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.78  | 41   | 84481    | 21.885  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 40667    | 424.041 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 596194   | 111.333 | ug/l   | 100      |
| 52) Toluene                    | 8.79  | 92   | 161067   | 21.092  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 91889    | 20.277  | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 101411   | 21.365  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 68587    | 20.504  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 100942   | 20.394  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 113063   | 20.309  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 284414   | 107.300 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.50  | 43   | 472246   | 105.826 | ug/l   | 96       |
| 60) Dibromochloromethane       | 9.59  | 129  | 65094    | 19.459  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 68976    | 19.254  | ug/l   | 95       |
| 64) Tetrachloroethene          | 9.34  | 164  | 71903    | 20.301  | ug/l   | 95       |
| 65) Chlorobenzene              | 10.14 | 112  | 180840   | 19.597  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 63007    | 19.422  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.26 | 91   | 300421   | 20.506  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.36 | 106  | 236686   | 41.342  | ug/l   | 96       |
| 69) o-Xylene                   | 10.70 | 106  | 114006   | 21.681  | ug/l   | 98       |
| 70) Styrene                    | 10.71 | 104  | 189027   | 20.538  | ug/l   | 99       |
| 71) Bromoform                  | 10.86 | 173  | 50697    | 18.253  | ug/l # | 95       |
| 73) Isopropylbenzene           | 11.02 | 105  | 309773   | 22.615  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 140801   | 19.795  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 107075   | 19.203  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 122000   | 25.047  | ug/l   | 85       |
| 77) Bromobenzene               | 11.26 | 156  | 82406    | 20.712  | ug/l   | 100      |
| 78) n-propylbenzene            | 11.36 | 91   | 355606   | 22.626  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 212222   | 21.663  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 259637   | 20.564  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 28896    | 17.524  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 249362   | 21.625  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 255167   | 22.625  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 270257   | 20.758  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 312411   | 22.742  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 280007   | 22.498  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 153205   | 20.622  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 154838   | 20.190  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 247307   | 21.880  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 40046    | 19.326  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 152121   | 19.593  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 24391    | 19.922  | ug/l   | 100      |

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Data File : VX004970.D  
Acq On : 03 Oct 2018 15:46  
Operator : JC/MD  
Sample : VX1004WBS01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 4 Sample Multiplier: 1

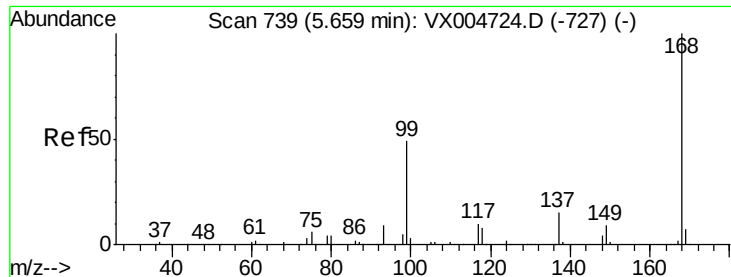
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

Quant Time: Oct 04 01:22:31 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 03 04:00:03 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 112838   | 20.718 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 58146    | 20.589 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 353879   | 20.014 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 116350   | 20.680 | ug/l  | 99       |

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

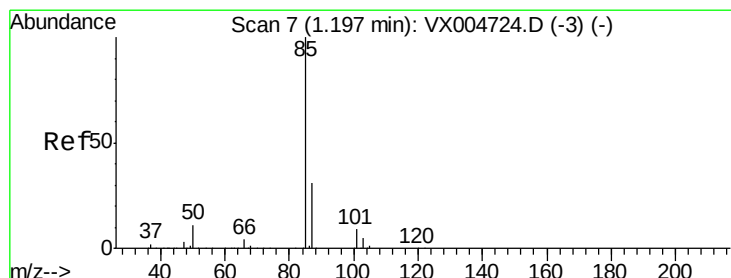
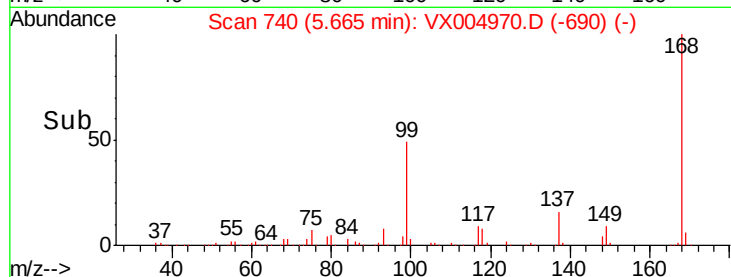
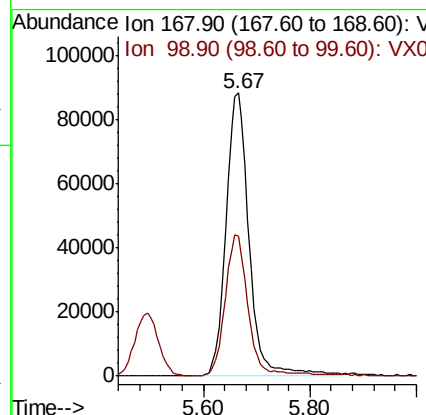
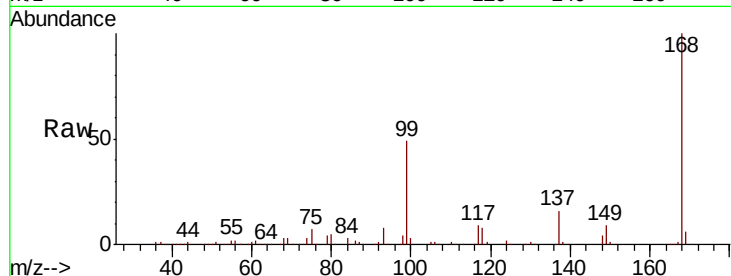




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.67 min Scan# 740  
Delta R.T. 0.01 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

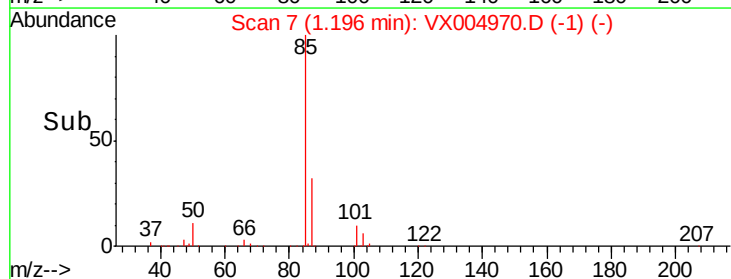
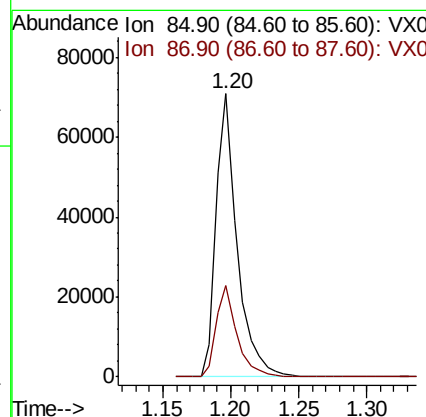
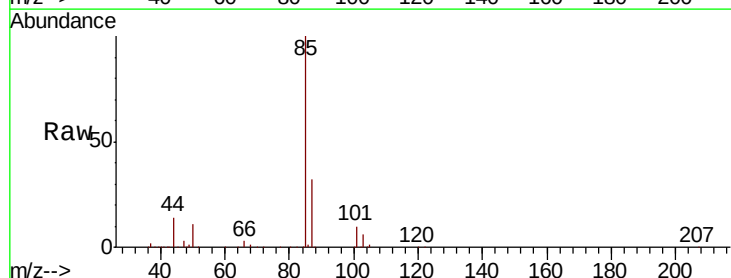
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

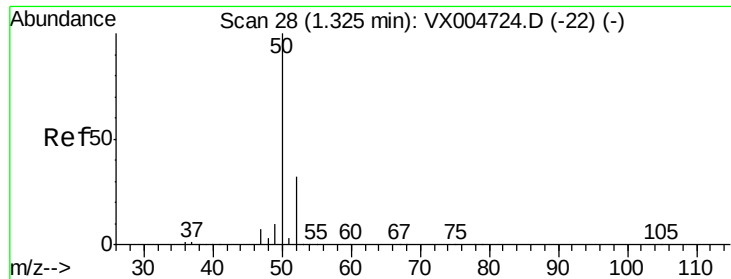
Tot Ion:168 Resp: 268598  
Ion Ratio Lower Upper  
168 100  
99 49.4 39.3 58.9



#2  
Dichlorodifluoromethane  
Concen: 20.780 ug/l  
RT: 1.20 min Scan# 7  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion: 85 Resp: 76102  
Ion Ratio Lower Upper  
85 100  
87 32.1 15.7 47.1





#3

Chloromethane

Concen: 18.404 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

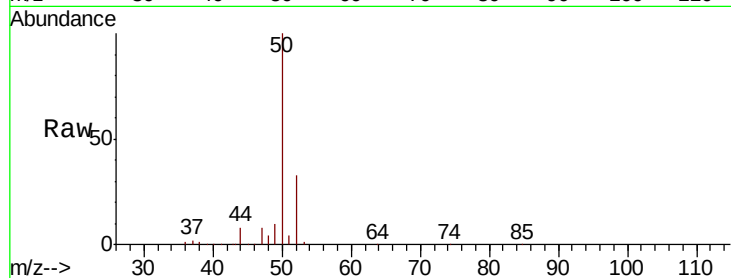
VX1004WBS01

Tot Ion: 50 Resp: 81772

Ion Ratio Lower Upper

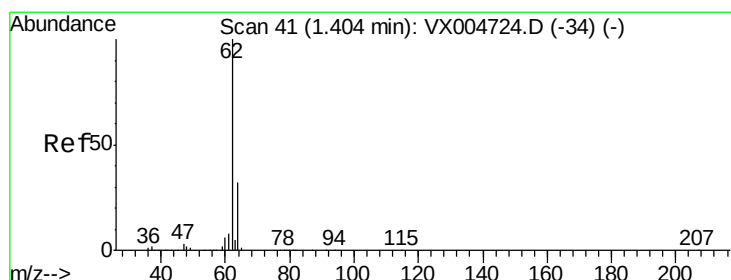
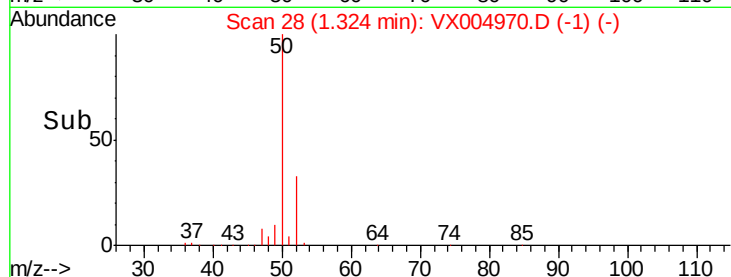
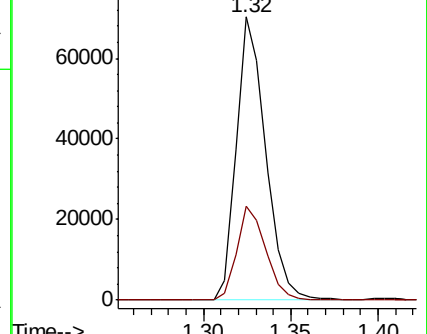
50 100

52 33.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.590 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004970.D

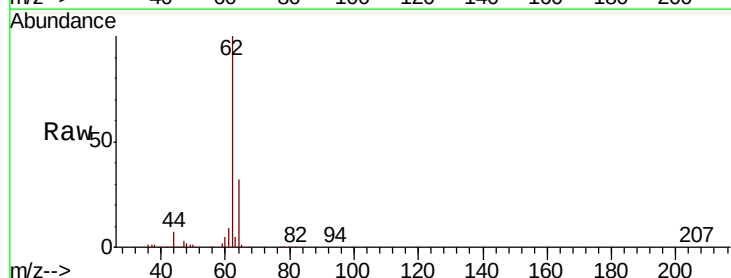
Acq: 03 Oct 2018 15:46

Tgt Ion: 62 Resp: 81637

Ion Ratio Lower Upper

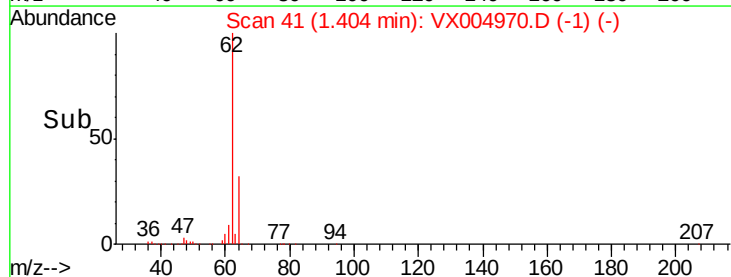
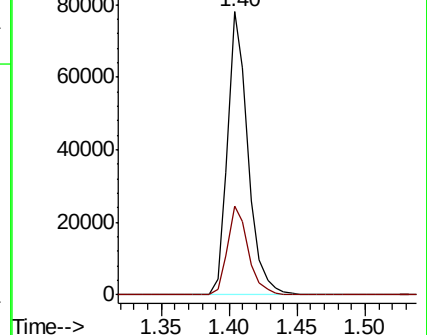
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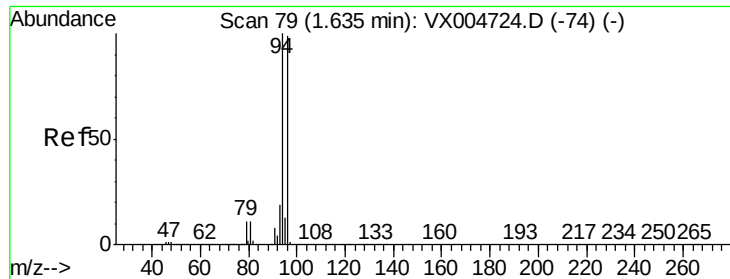
64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.553 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

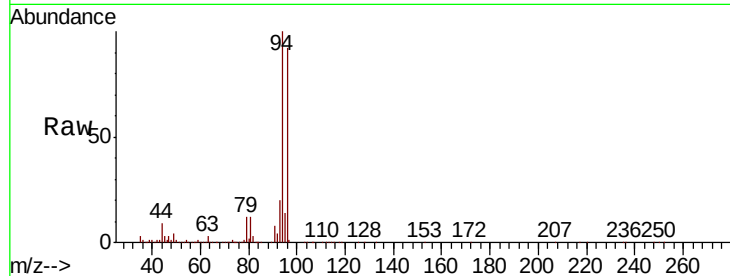
VX1004WBS01

Tot Ion: 94 Resp: 43376

Ion Ratio Lower Upper

94 100

96 92.1 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

30000

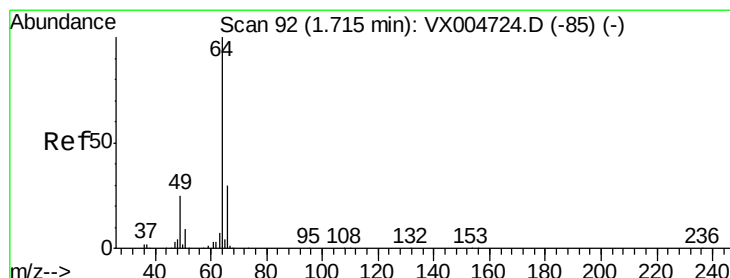
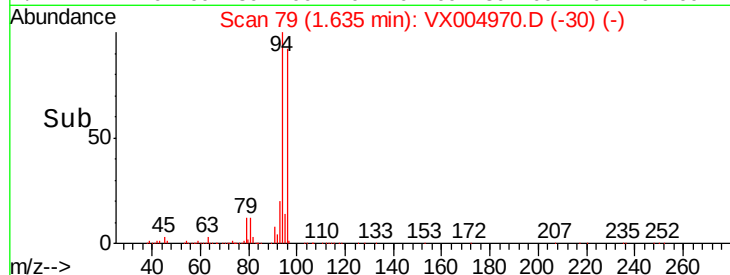
20000

10000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 19.544 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX004970.D

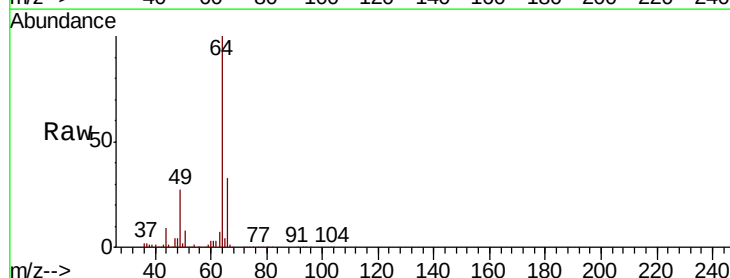
Acq: 03 Oct 2018 15:46

Tgt Ion: 64 Resp: 47605

Ion Ratio Lower Upper

64 100

66 32.6 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

40000

30000

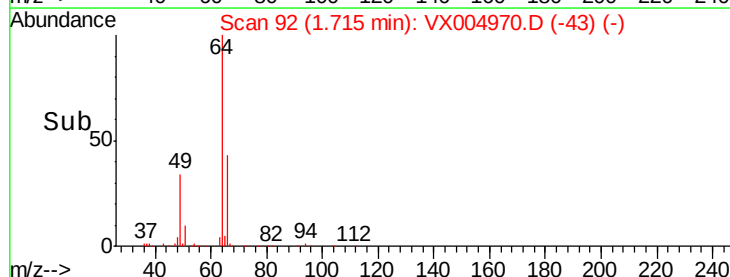
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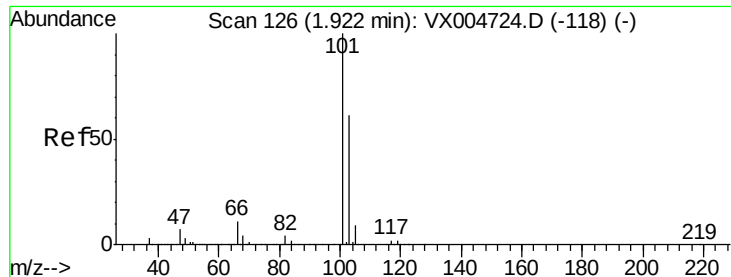
10000

0

Time-->

1.65 1.70 1.75 1.80



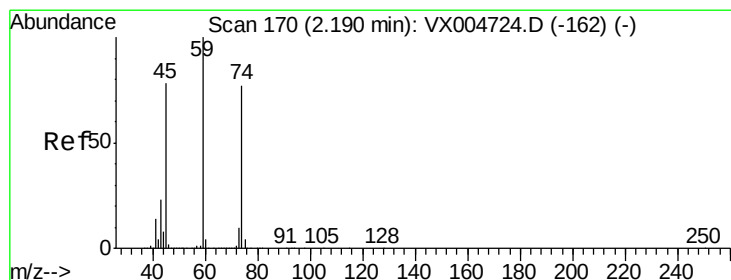
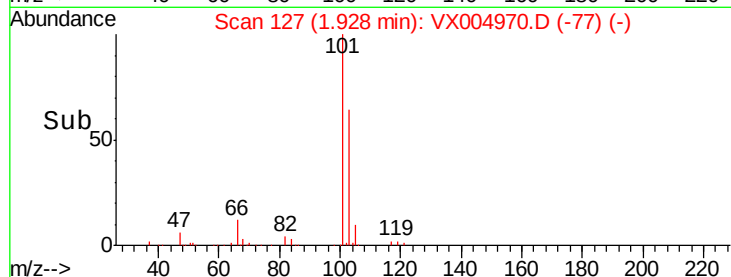
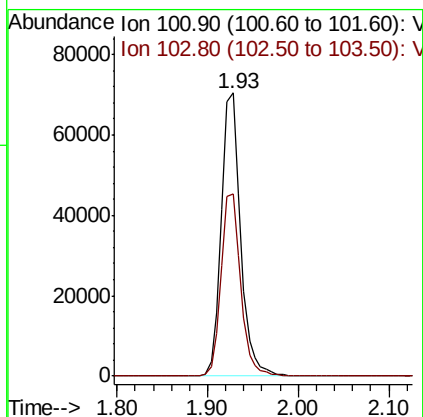
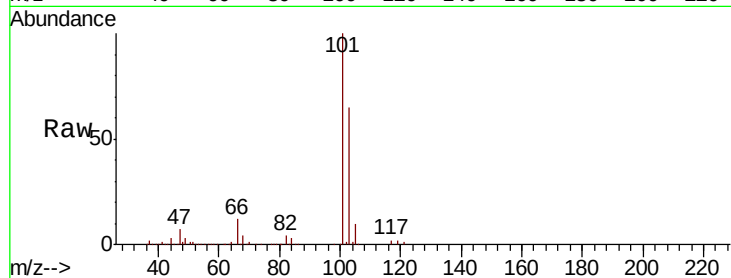


#7

Trichlorofluoromethane  
Concen: 20.335 ug/l  
RT: 1.93 min Scan# 127  
Delta R.T. 0.01 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

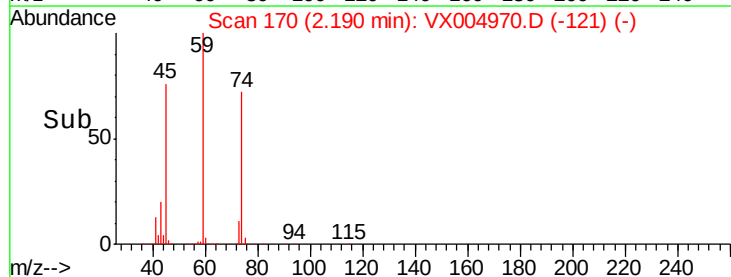
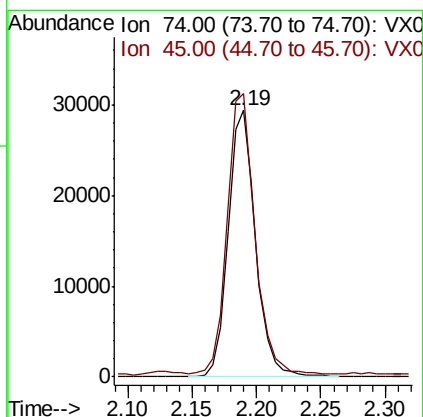
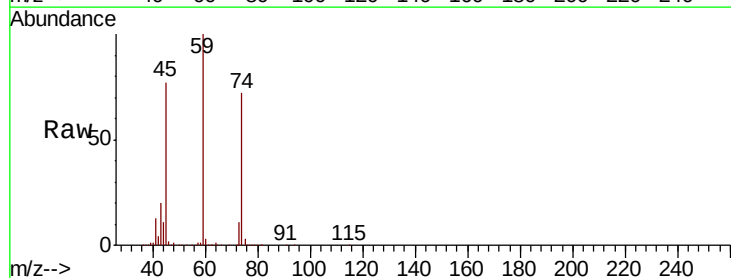
Tot Ion:101 Resp: 104909  
Ion Ratio Lower Upper  
101 100  
103 64.6 48.4 72.6



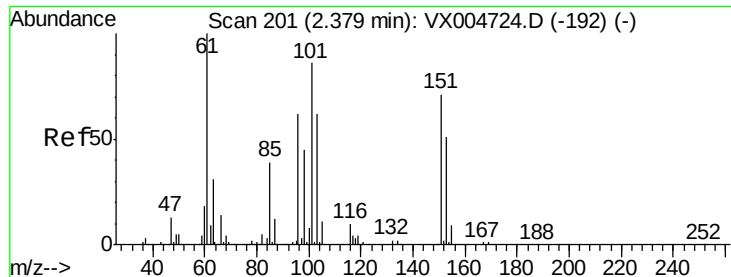
#8

Diethyl Ether  
Concen: 19.523 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion: 74 Resp: 43755  
Ion Ratio Lower Upper  
74 100  
45 106.0 52.5 157.6







#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.141 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

VX1004WBS01

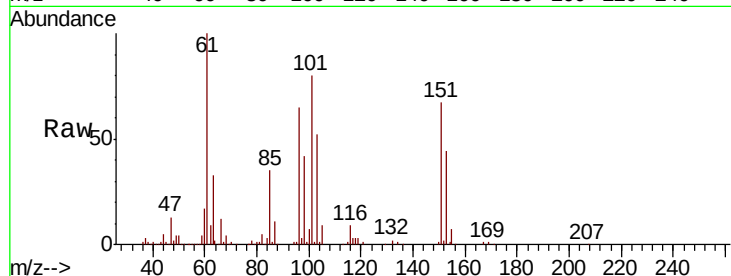
Tot Ion:101 Resp: 62128

Ion Ratio Lower Upper

101 100

85 43.5 35.9 53.9

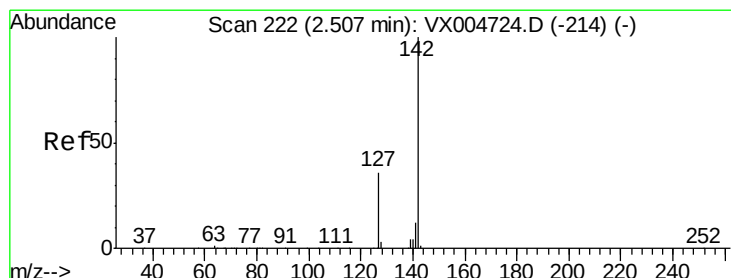
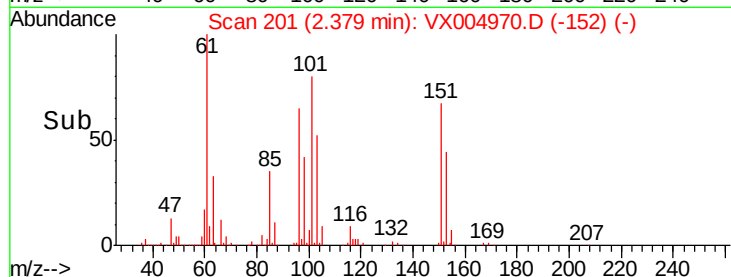
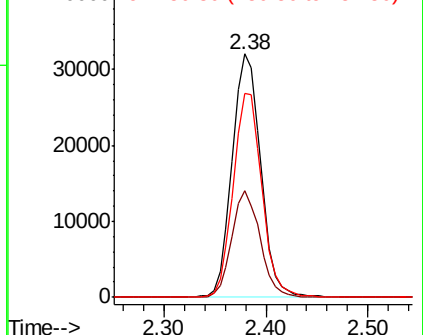
151 83.8 66.6 100.0



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: 13.154 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

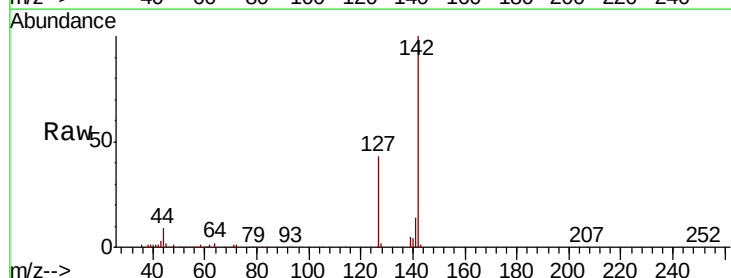
Tgt Ion:142 Resp: 51730

Ion Ratio Lower Upper

142 100

127 42.3 30.1 45.1

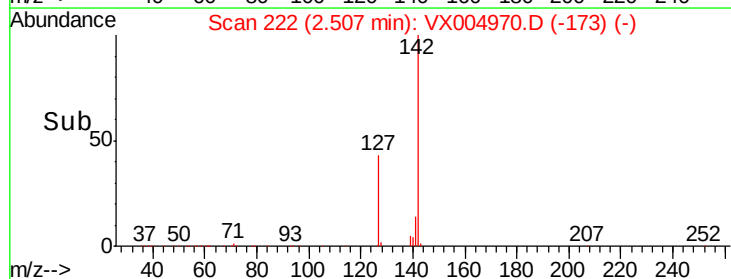
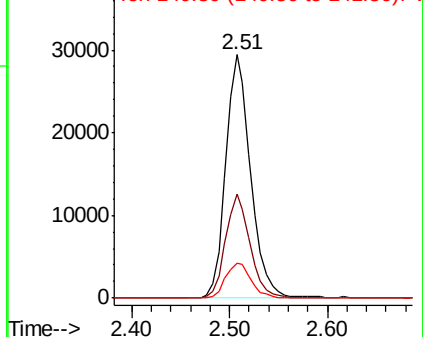
141 14.9 10.1 15.1

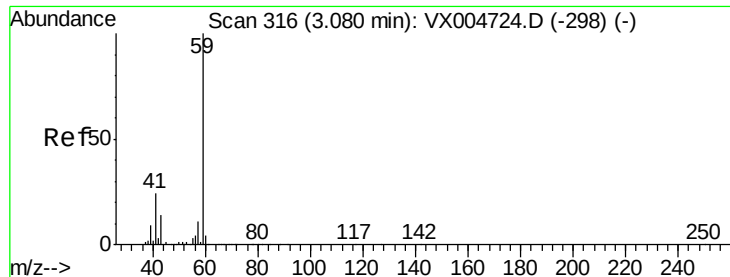


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

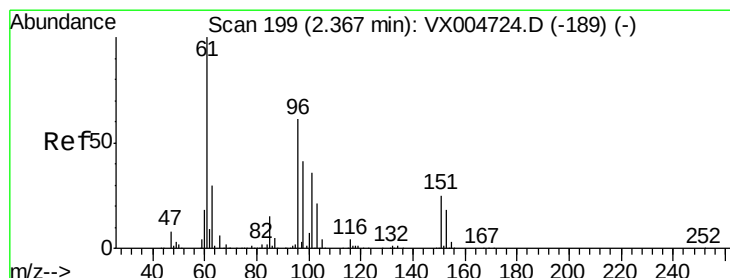
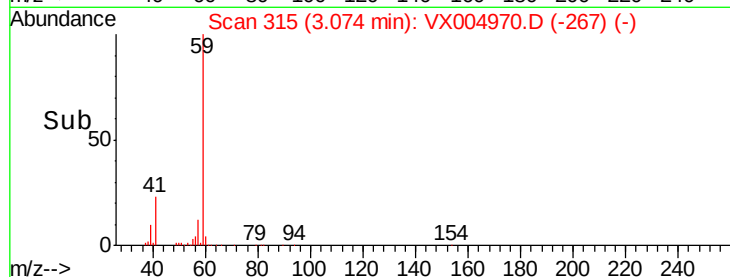
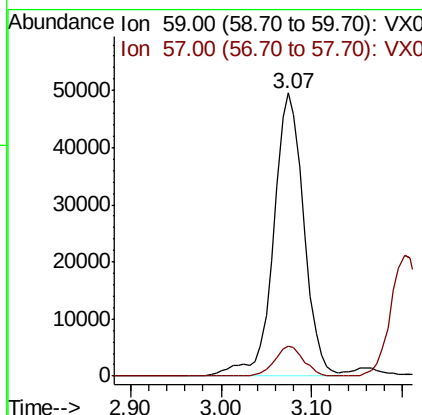
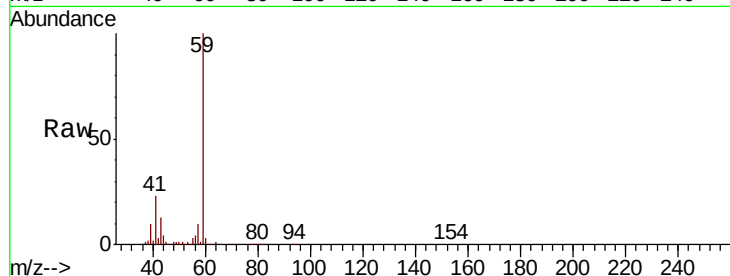




#11  
Tert butyl alcohol  
Concen: 106.767 ug/l  
RT: 3.07 min Scan# 315  
Delta R.T. -0.01 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

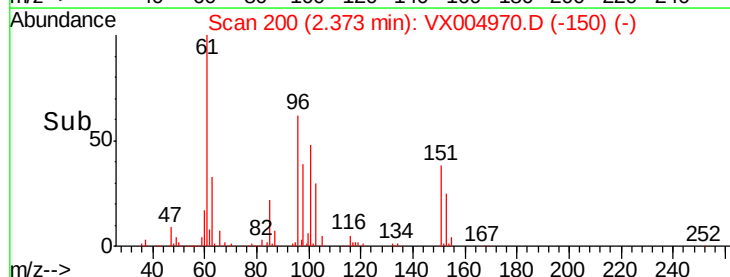
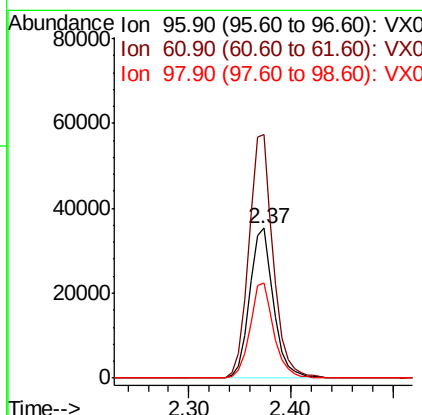
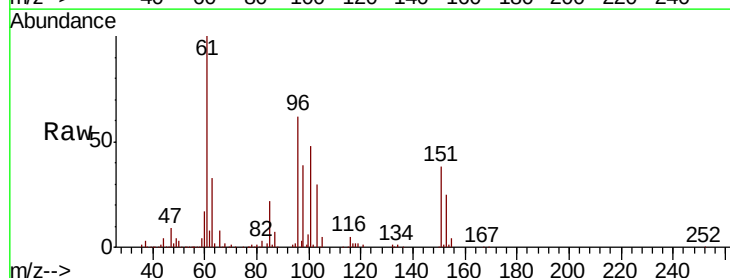
Instrument :  
MSVOA\_X  
ClientSampled :  
VX1004WBS01

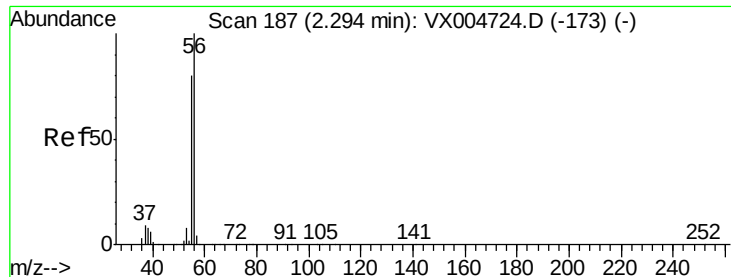
Tot Ion: 59 Resp: 114544  
Ion Ratio Lower Upper  
59 100  
57 10.4 8.6 12.8



#12  
1,1-Dichloroethene  
Concen: 19.932 ug/l  
RT: 2.37 min Scan# 200  
Delta R.T. 0.01 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion: 96 Resp: 58009  
Ion Ratio Lower Upper  
96 100  
61 162.3 130.2 195.4  
98 63.8 53.4 80.0





#13

Acrolein

Concen: 33.328 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

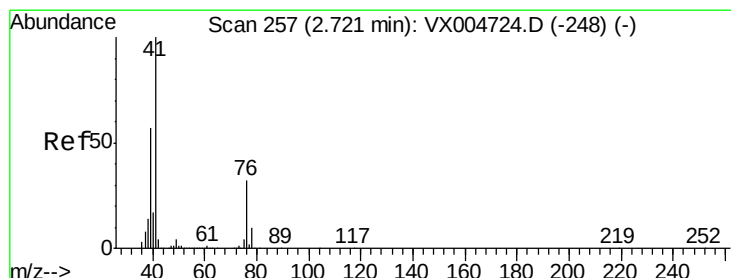
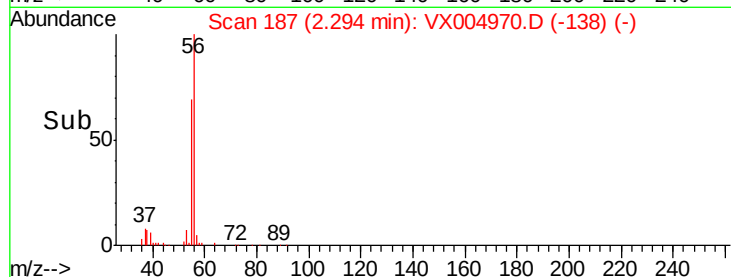
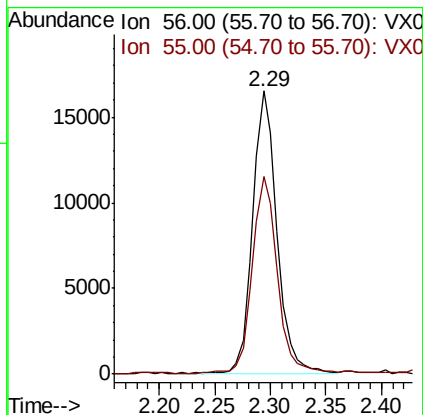
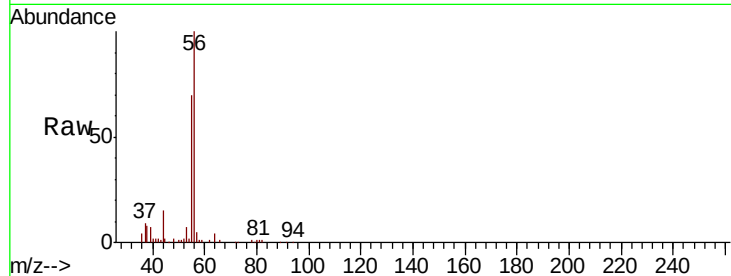
VX1004WBS01

Tot Ion: 56 Resp: 25440

Ion Ratio Lower Upper

56 100

55 72.5 63.4 95.2



#14

Allyl chloride

Concen: 20.162 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

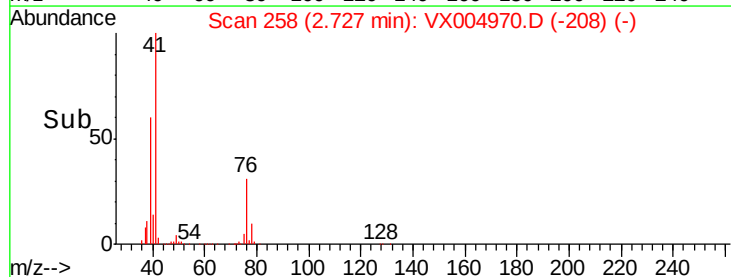
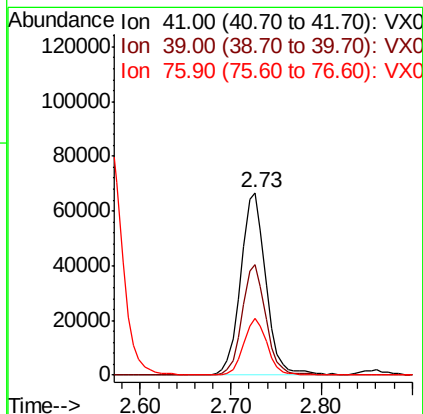
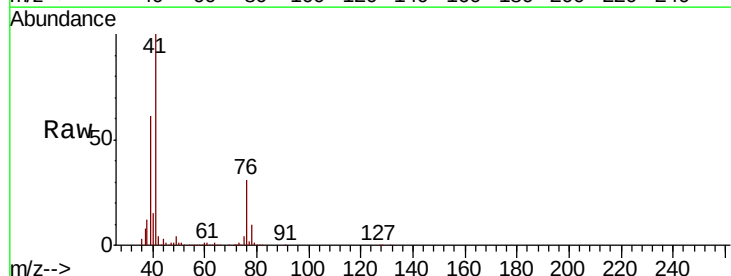
Tgt Ion: 41 Resp: 128031

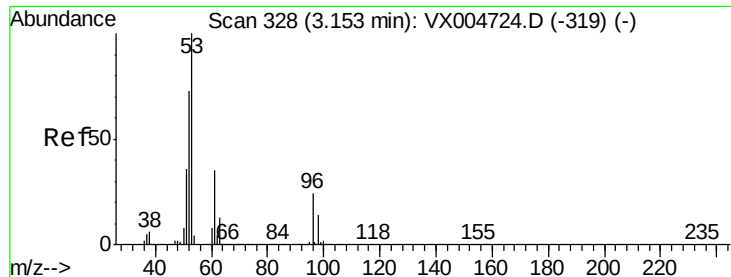
Ion Ratio Lower Upper

41 100

39 56.8 44.1 66.1

76 28.8 25.0 37.4





#15

Acrylonitrile

Concen: 102.550 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

VX1004WBS01

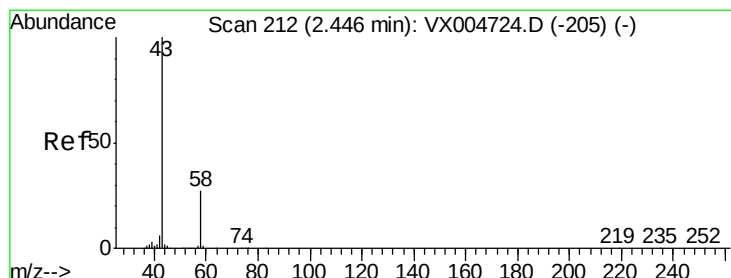
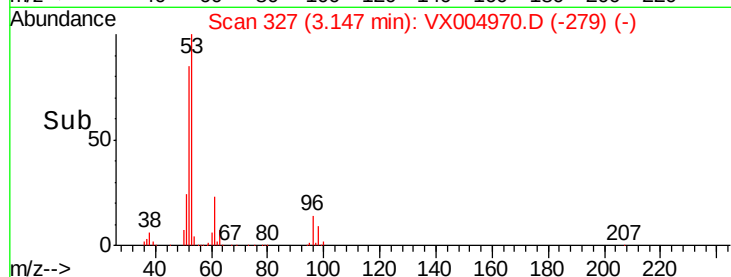
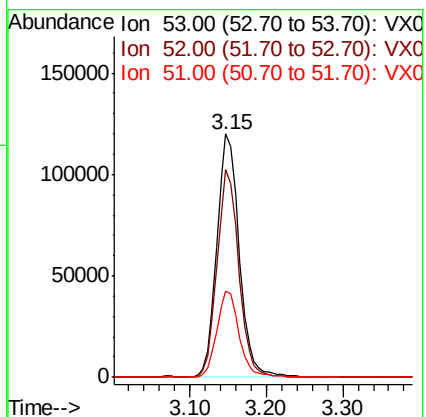
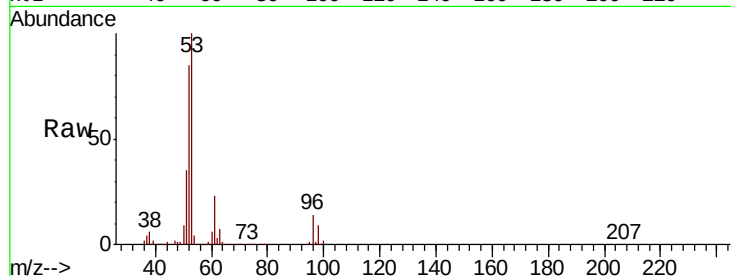
Tot Ion: 53 Resp: 242195

Ion Ratio Lower Upper

53 100

52 83.3 63.0 94.4

51 35.1 28.6 42.8



#16

Acetone

Concen: 100.485 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004970.D

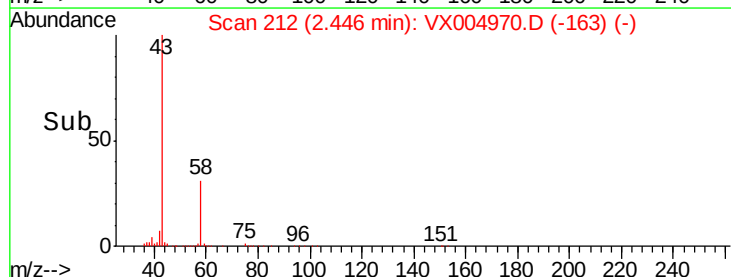
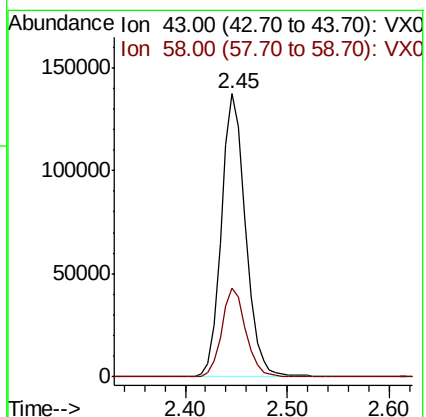
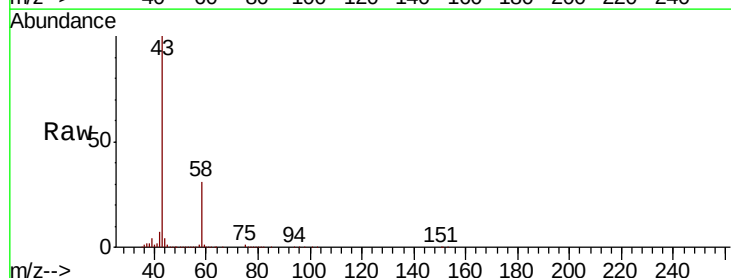
Acq: 03 Oct 2018 15:46

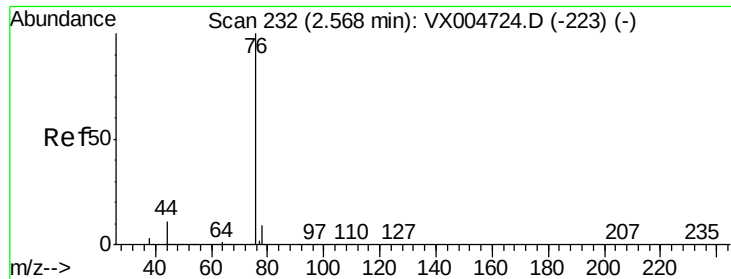
Tgt Ion: 43 Resp: 225094

Ion Ratio Lower Upper

43 100

58 31.3 21.8 32.6





#17

Carbon Disulfide

Concen: 17.479 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

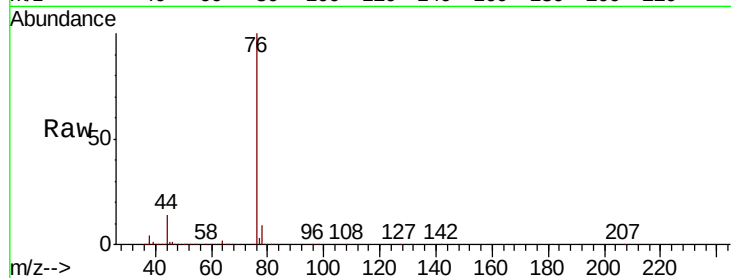
VX1004WBS01

Tot Ion: 76 Resp: 152854

Ion Ratio Lower Upper

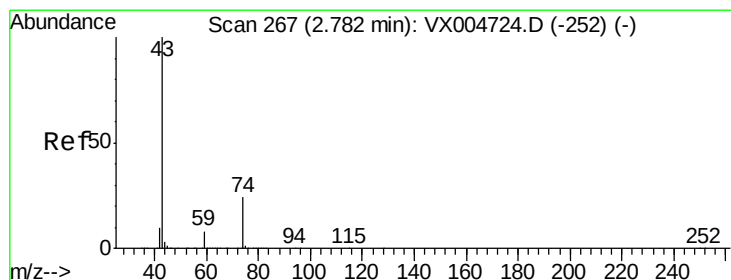
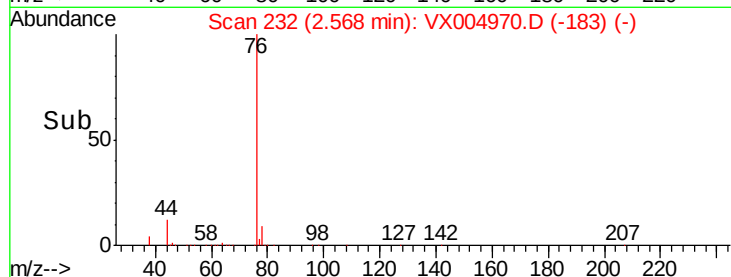
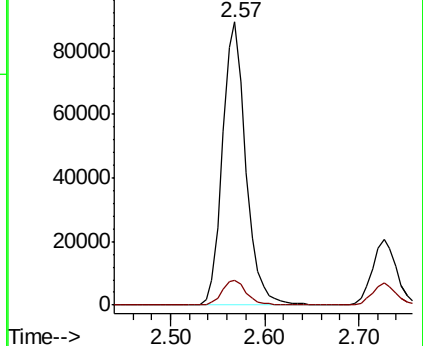
76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.171 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX004970.D

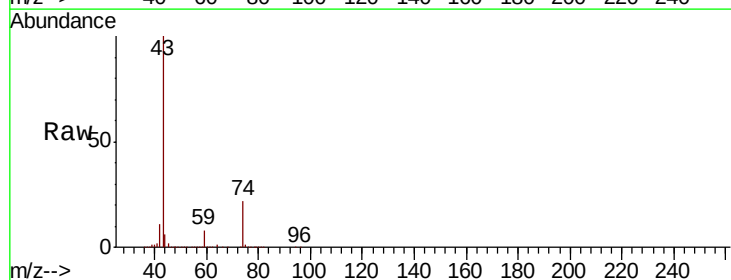
Acq: 03 Oct 2018 15:46

Tgt Ion: 43 Resp: 131505

Ion Ratio Lower Upper

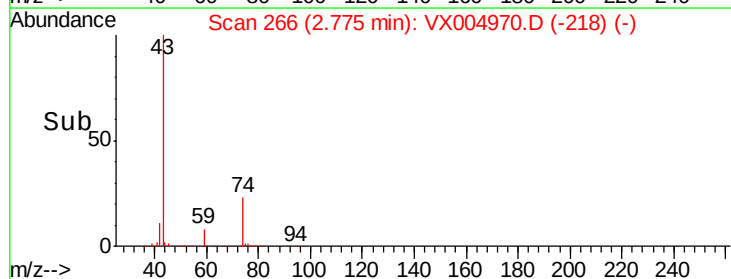
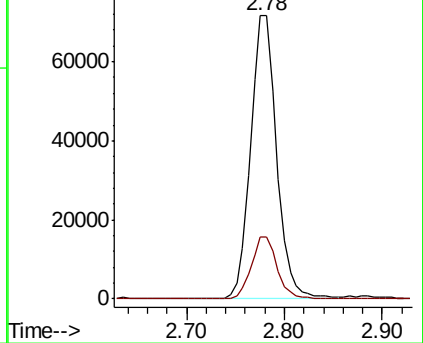
43 100

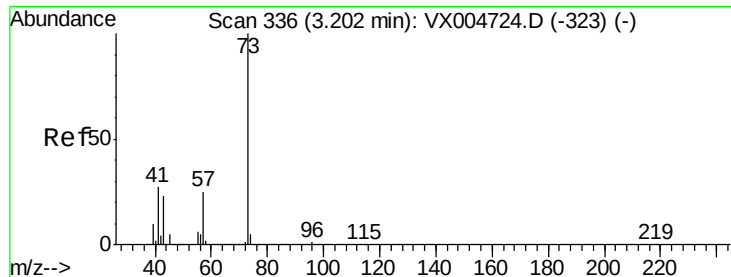
74 21.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

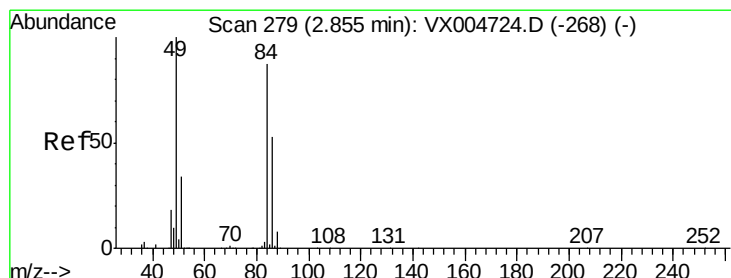
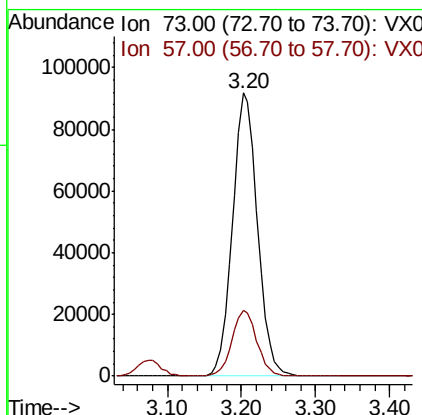
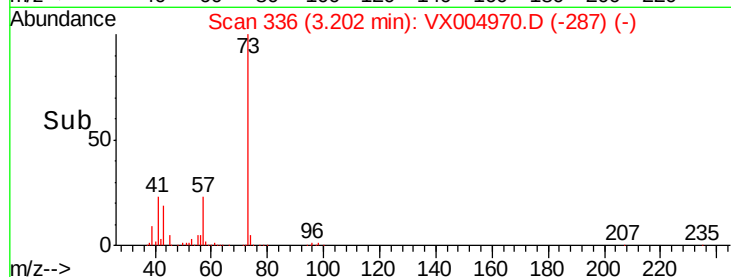
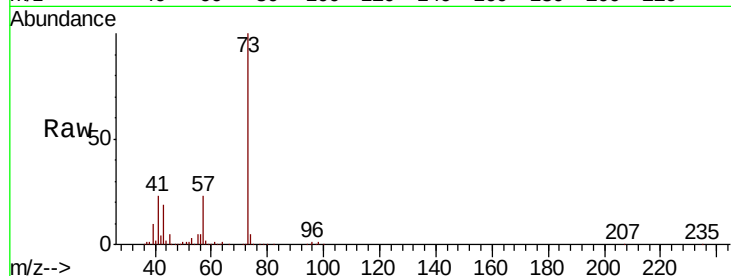




#19  
Methyl tert-butyl Ether  
Concen: 21.475 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

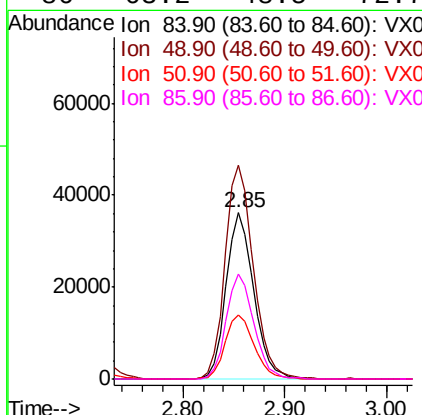
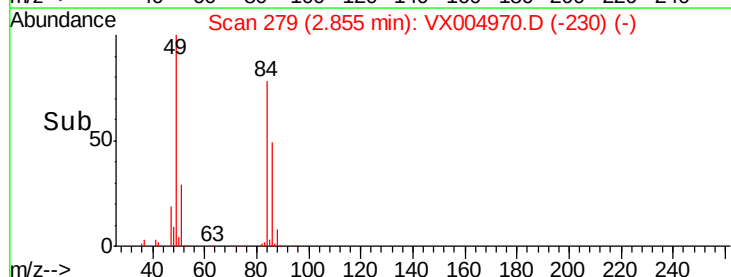
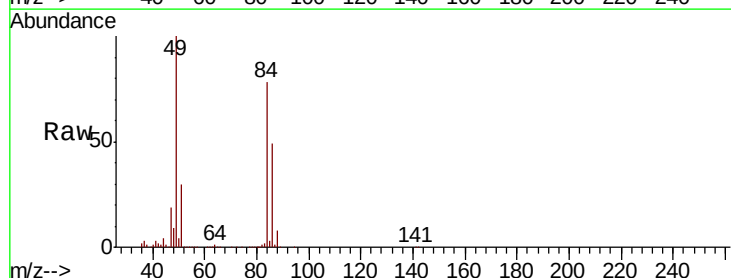
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

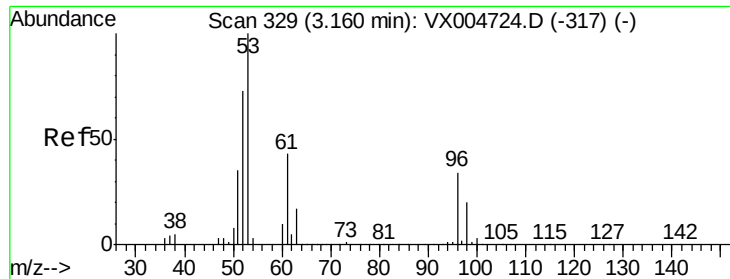
Tot Ion: 73 Resp: 215579  
Ion Ratio Lower Upper  
73 100  
57 23.1 19.9 29.9



#20  
Methylene Chloride  
Concen: 20.317 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion: 84 Resp: 67794  
Ion Ratio Lower Upper  
84 100  
49 128.7 92.3 138.5  
51 38.0 31.8 47.6  
86 63.2 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 19.197 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

VX1004WBS01

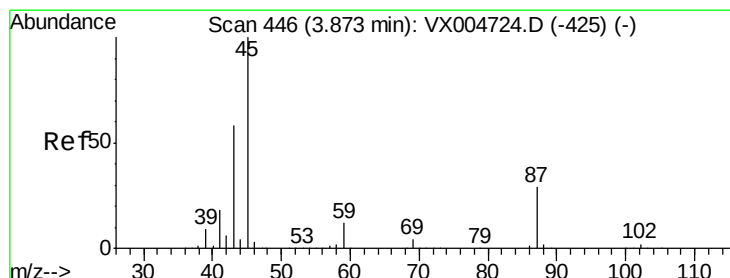
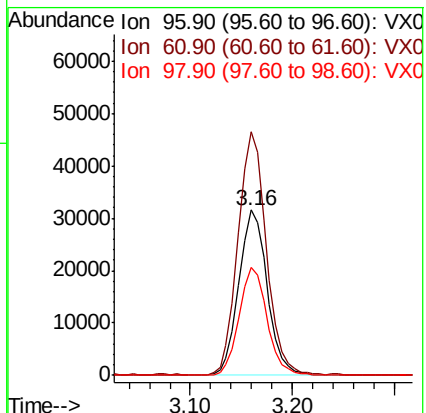
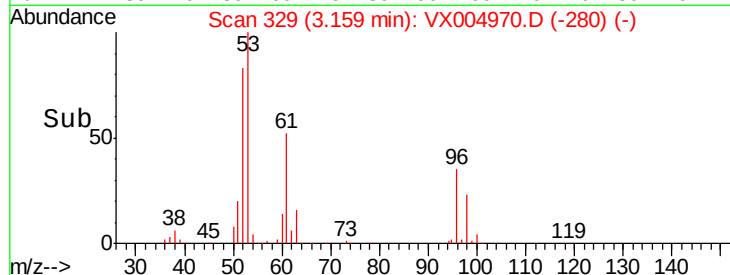
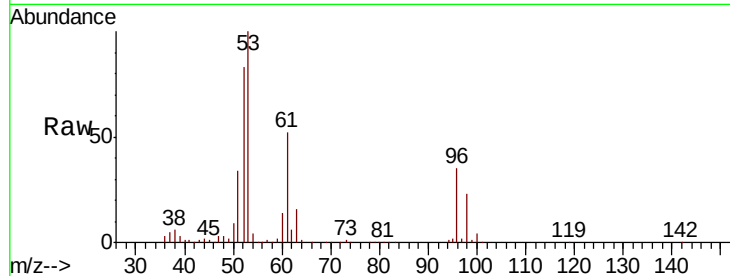
Tot Ion: 96 Resp: 61160

Ion Ratio Lower Upper

96 100

61 147.2 101.0 151.6

98 65.1 47.2 70.8



#22

Diisopropyl ether

Concen: 20.325 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Tgt Ion: 45 Resp: 217332

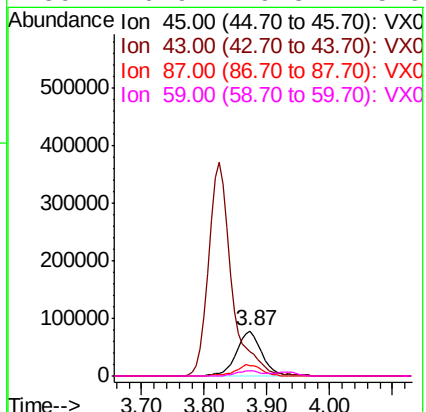
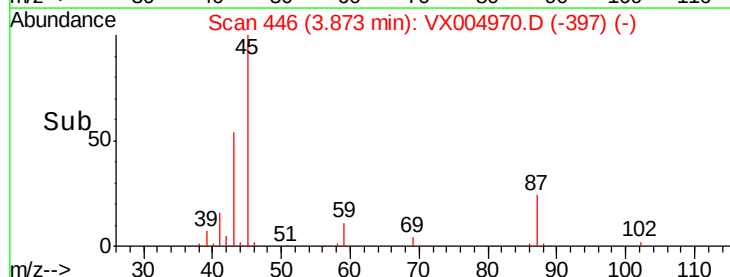
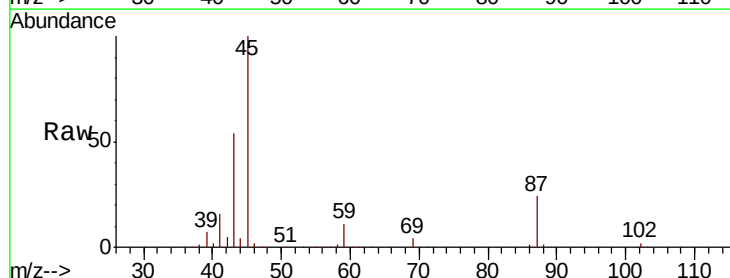
Ion Ratio Lower Upper

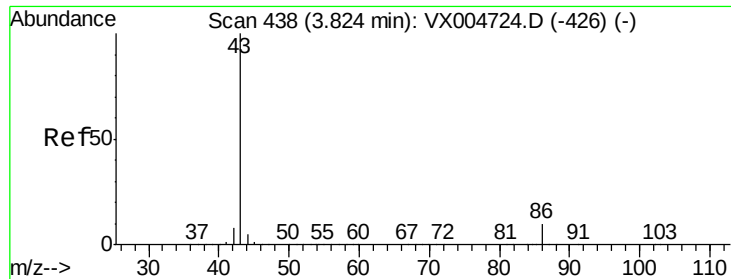
45 100

43 53.8 46.7 70.1

87 24.3 22.9 34.3

59 10.9 9.3 13.9

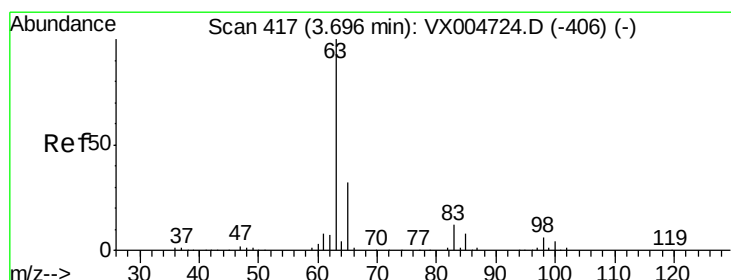
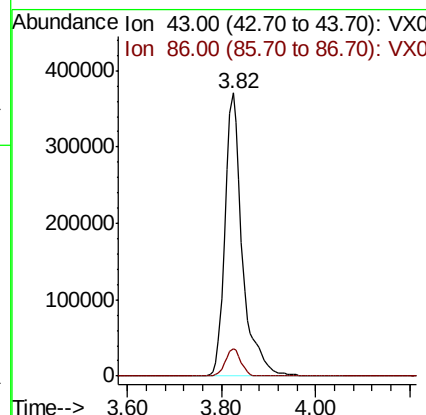
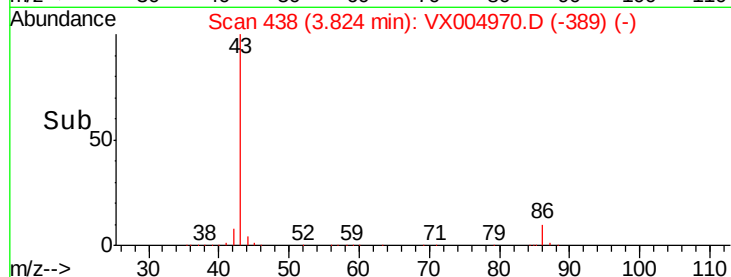
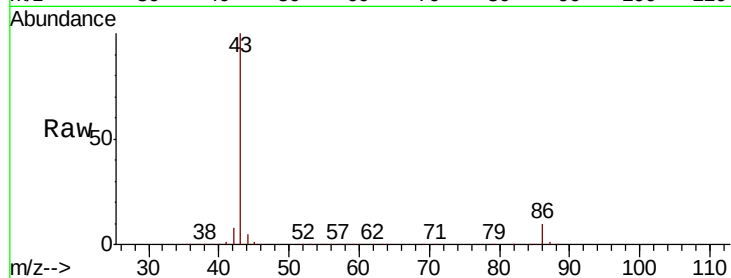




#23  
 Vinyl Acetate  
 Concen: 96.629 ug/l  
 RT: 3.82 min Scan# 438  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

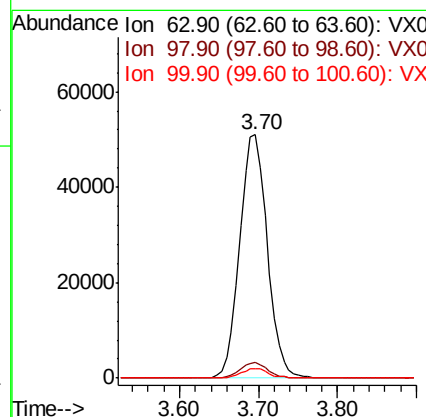
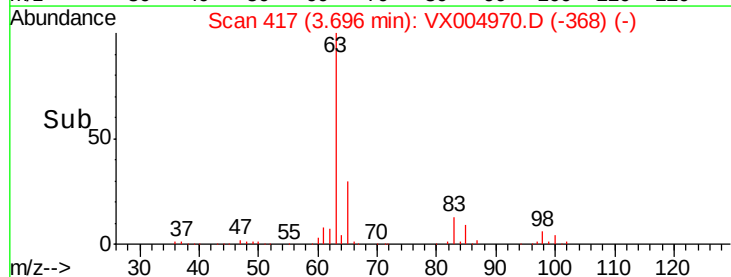
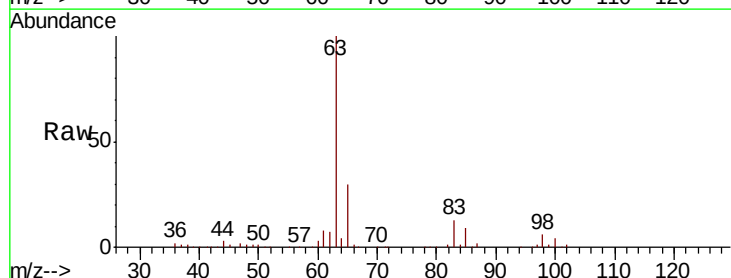
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1004WBS01

Tot Ion: 43 Resp: 945803  
 Ion Ratio Lower Upper  
 43 100  
 86 9.6 8.1 12.1

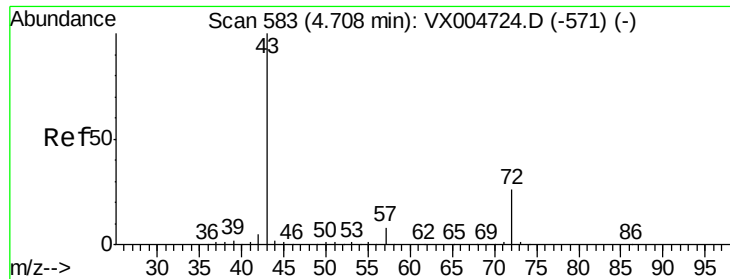


#24  
 1,1-Dichloroethane  
 Concen: 19.489 ug/l  
 RT: 3.70 min Scan# 417  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

Tgt Ion: 63 Resp: 124313  
 Ion Ratio Lower Upper  
 63 100  
 98 6.4 3.0 9.2  
 100 3.8 2.0 5.8







#25

2-Butanone

Concen: 99.616 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampled :

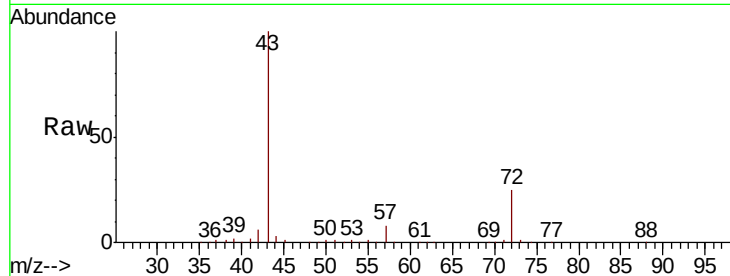
VX1004WBS01

Tot Ion: 43 Resp: 328924

Ion Ratio Lower Upper

43 100

72 24.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

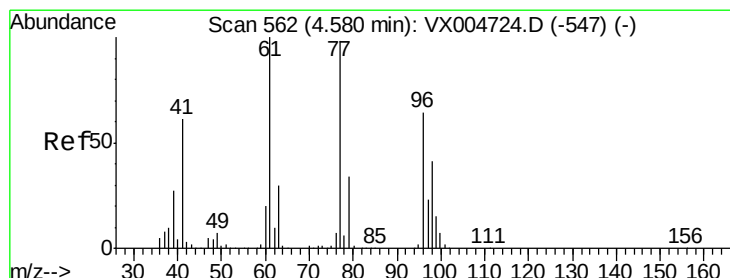
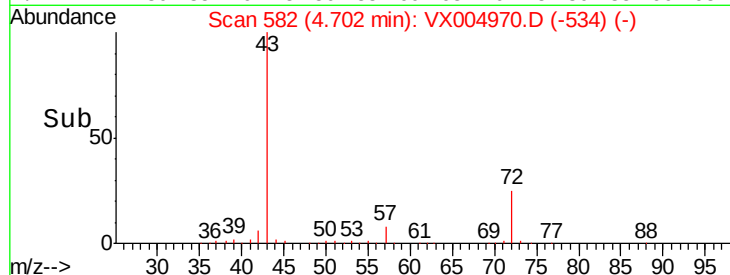
4.70

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 20.646 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004970.D

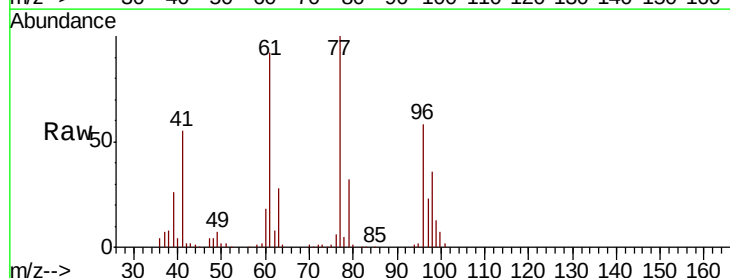
Acq: 03 Oct 2018 15:46

Tgt Ion: 77 Resp: 91706

Ion Ratio Lower Upper

77 100

97 23.7 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

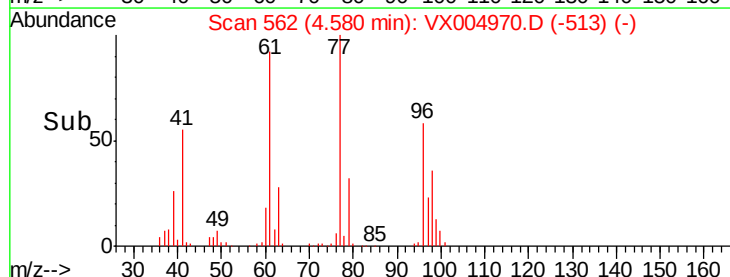
30000

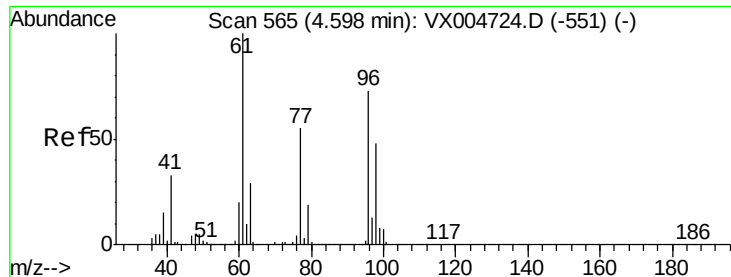
20000

10000

0

Time-->



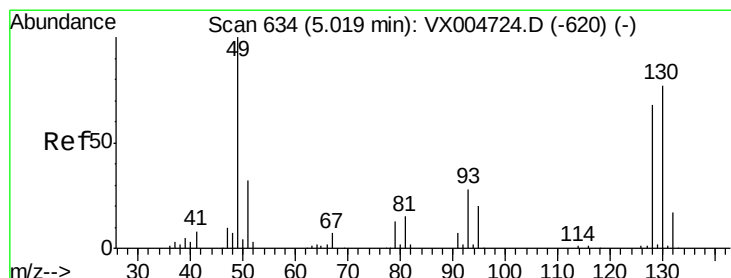
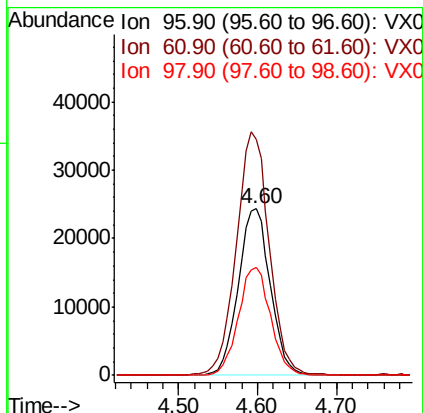
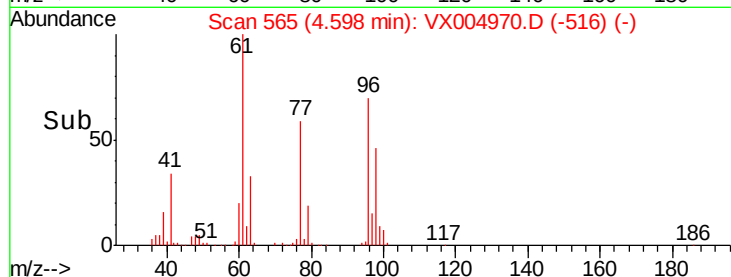
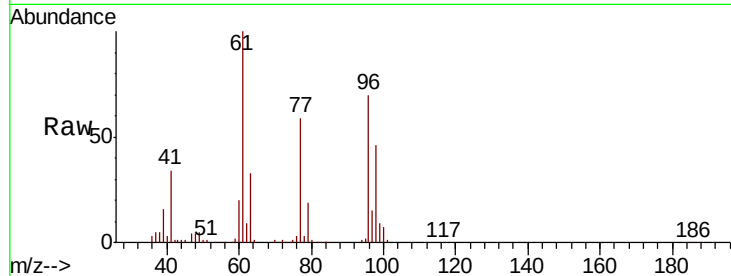


#27

cis-1,2-Dichloroethene  
Concen: 19.320 ug/l  
RT: 4.60 min Scan# 565  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

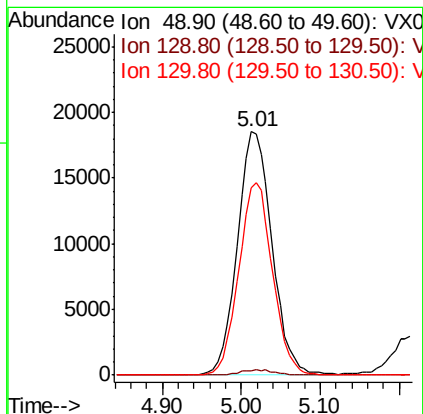
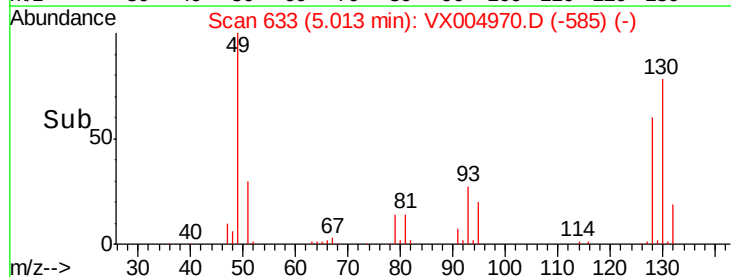
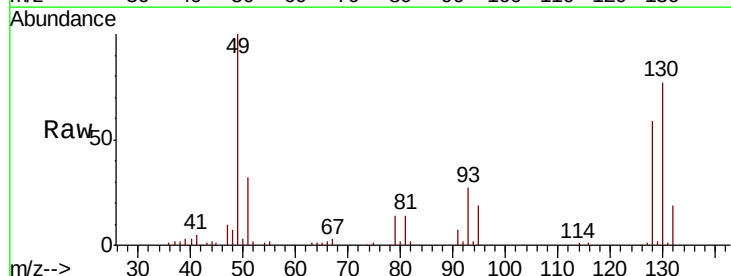
Tot Ion: 96 Resp: 68762  
Ion Ratio Lower Upper  
96 100  
61 149.3 0.0 285.8  
98 65.0 0.0 136.2

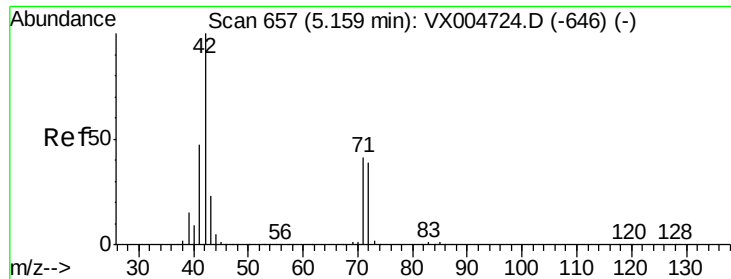


#28

Bromochloromethane  
Concen: 18.873 ug/l  
RT: 5.01 min Scan# 633  
Delta R.T. -0.01 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion: 49 Resp: 56689  
Ion Ratio Lower Upper  
49 100  
129 2.0 0.0 4.2  
130 76.4 62.0 93.0

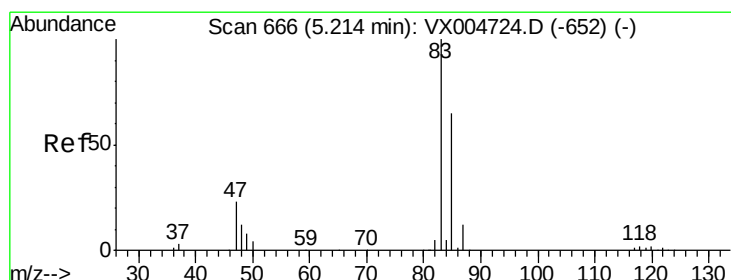
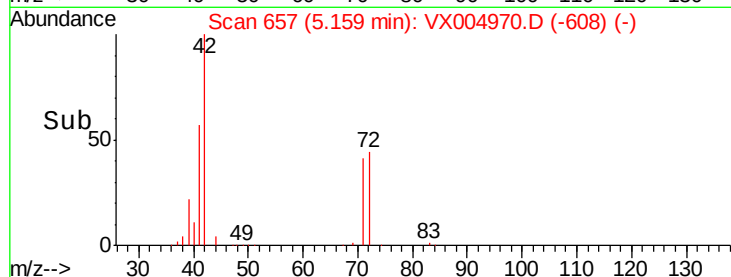
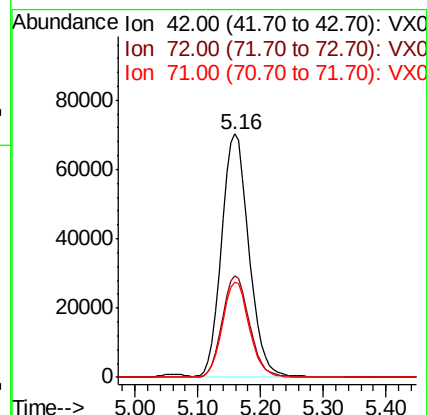
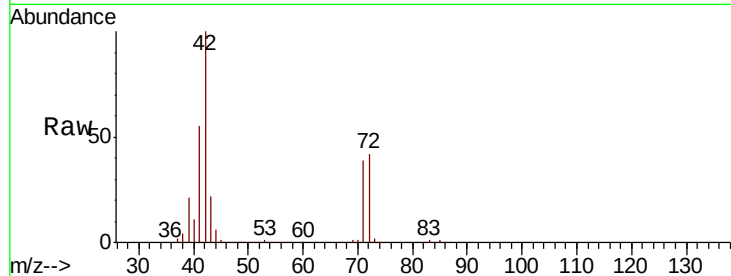




#29  
Tetrahydrofuran  
Concen: 102.884 ug/l  
RT: 5.16 min Scan# 657  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

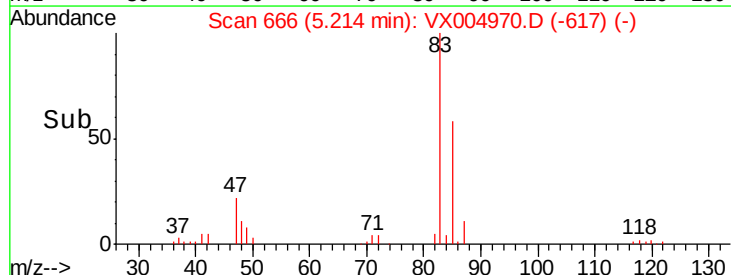
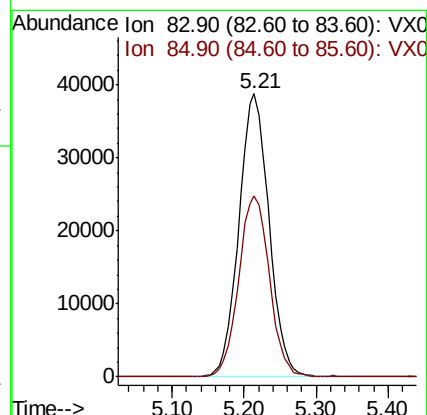
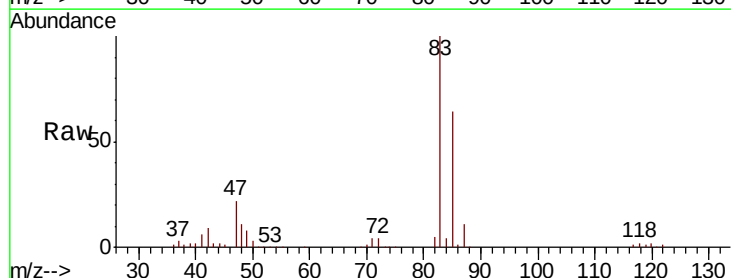
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

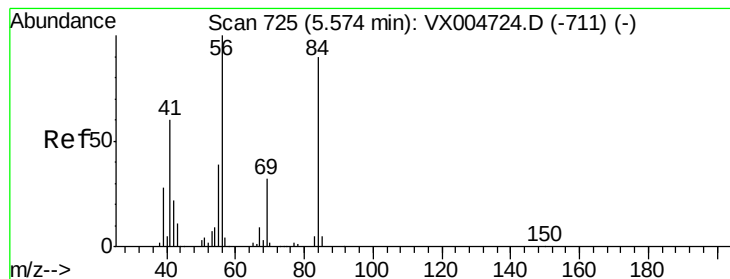
Tot Ion: 42 Resp: 211145  
Ion Ratio Lower Upper  
42 100  
72 41.9 33.7 50.5  
71 38.9 32.2 48.4



#30  
Chloroform  
Concen: 18.728 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion: 83 Resp: 112896  
Ion Ratio Lower Upper  
83 100  
85 64.0 52.4 78.6





#31

Cyclohexane

Concen: 21.244 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

VX1004WBS01

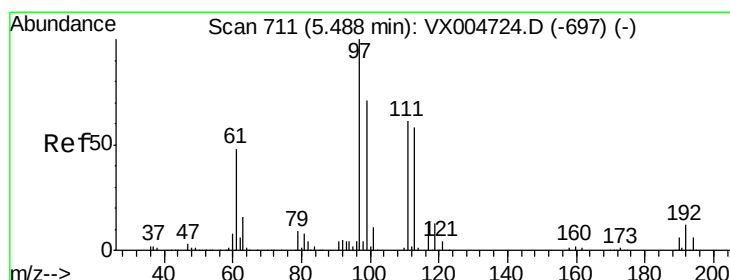
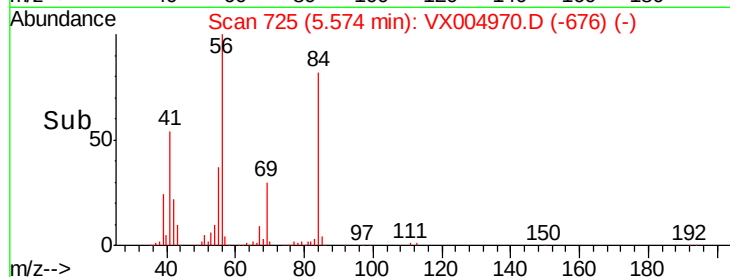
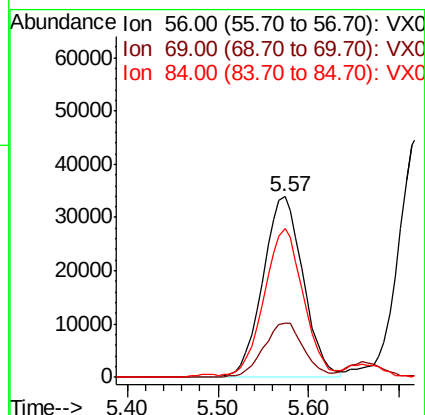
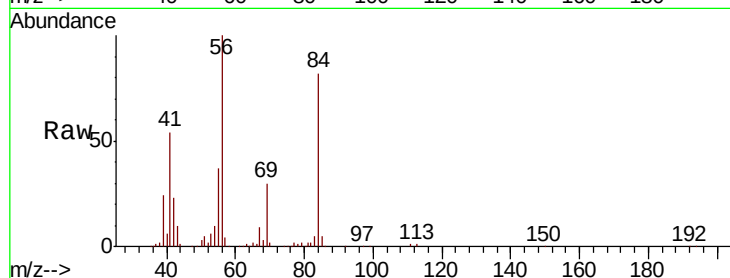
Tot Ion: 56 Resp: 103714

Ion Ratio Lower Upper

56 100

69 30.2 25.9 38.9

84 81.4 71.9 107.9



#32

1,1,1-Trichloroethane

Concen: 19.511 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

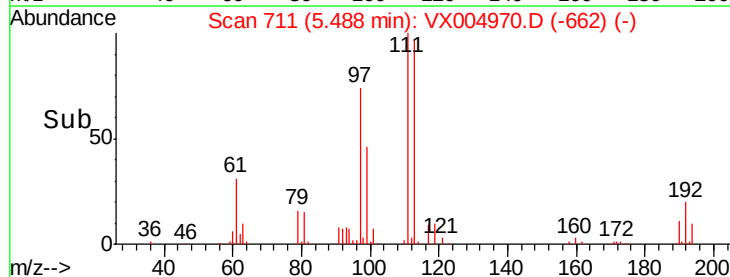
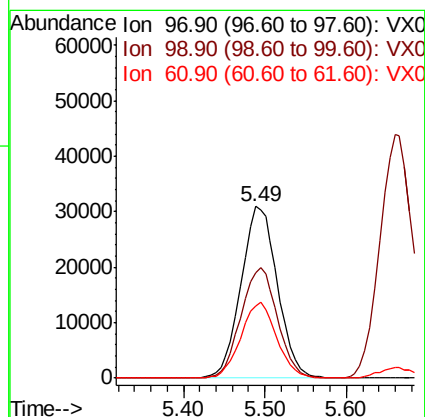
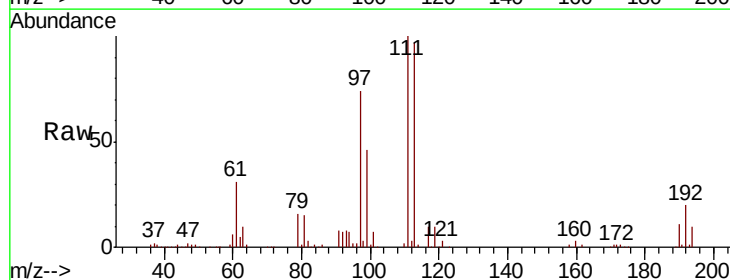
Tgt Ion: 97 Resp: 96058

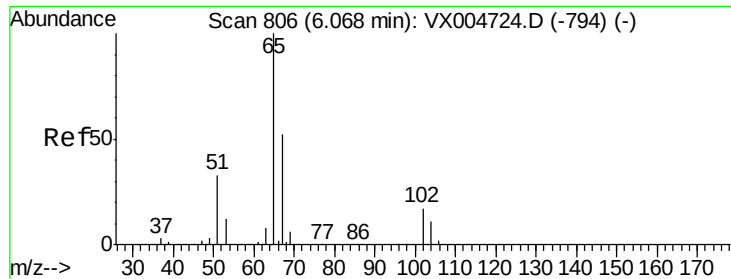
Ion Ratio Lower Upper

97 100

99 64.1 54.6 82.0

61 43.1 37.5 56.3

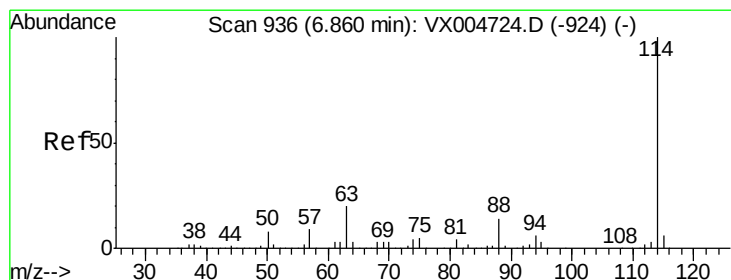
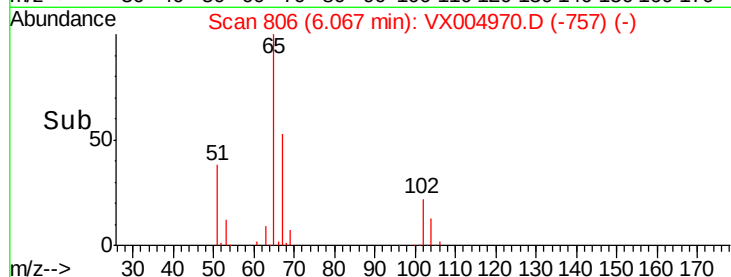
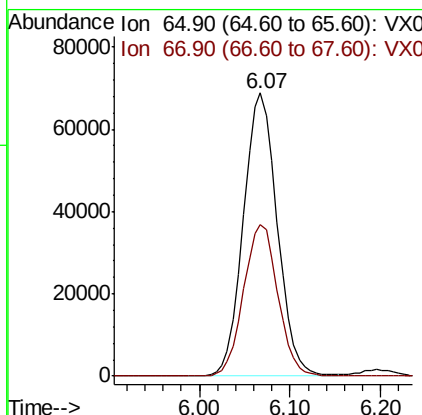
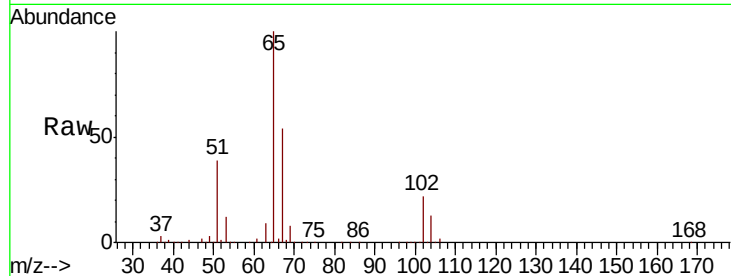




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.319 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

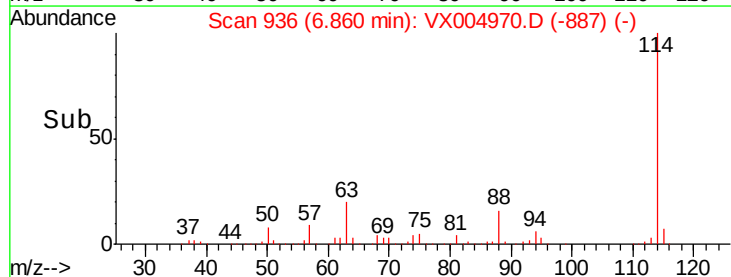
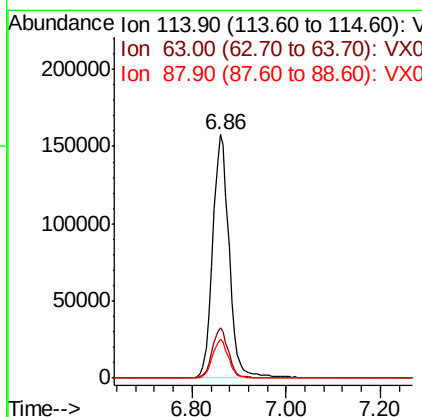
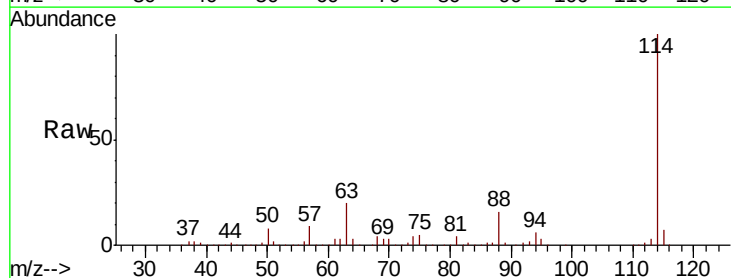
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1004WBS01

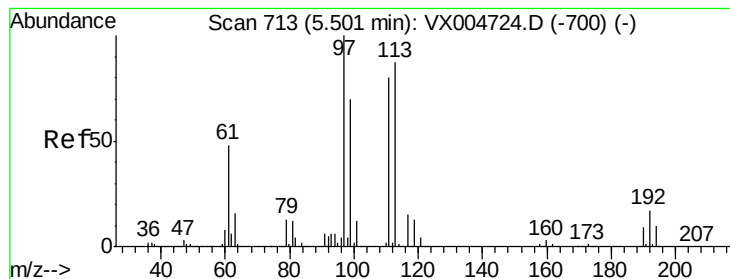
Tot Ion: 65 Resp: 177724  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

Tgt Ion: 114 Resp: 383898  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 39.8  
 88 15.8 0.0 27.0





#35

Dibromofluoromethane

Concen: 45.368 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampled :

VX1004WBS01

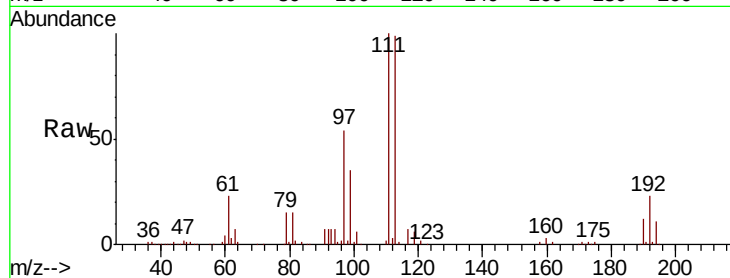
Tot Ion:113 Resp: 147608

Ion Ratio Lower Upper

113 100

111 102.5 77.0 115.4

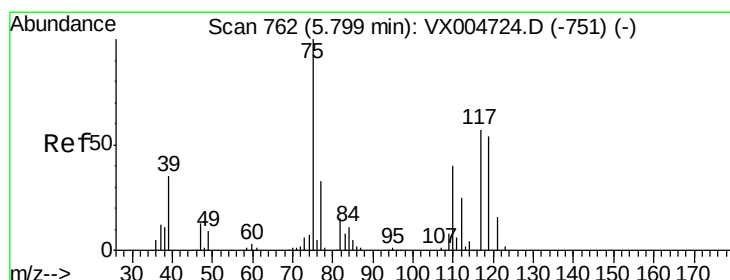
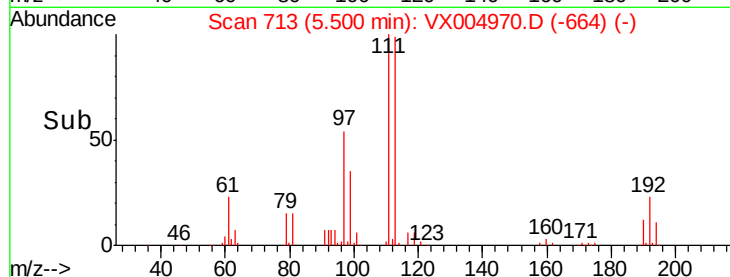
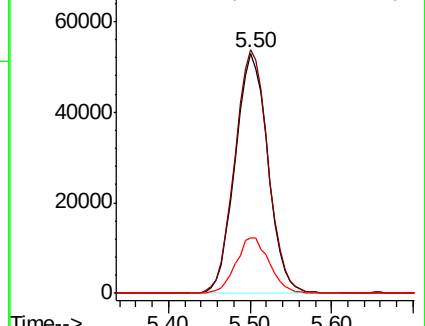
192 23.4 17.0 25.6



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: 18.809 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

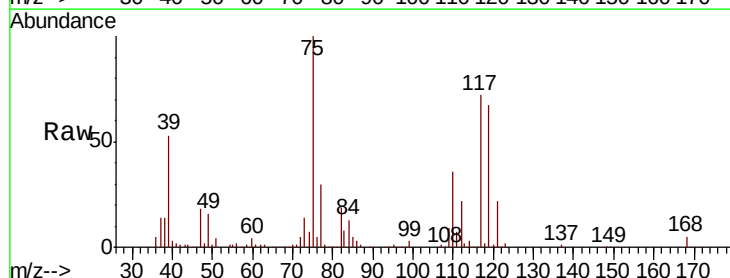
Tgt Ion: 75 Resp: 83497

Ion Ratio Lower Upper

75 100

110 36.8 20.0 59.9

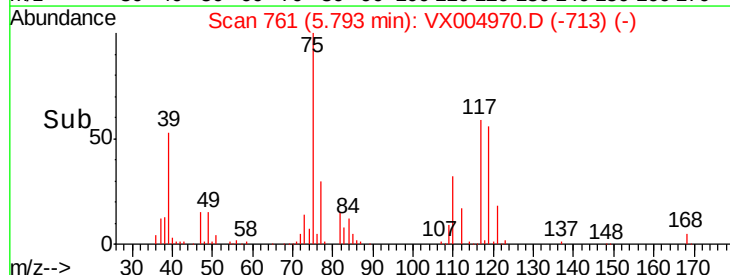
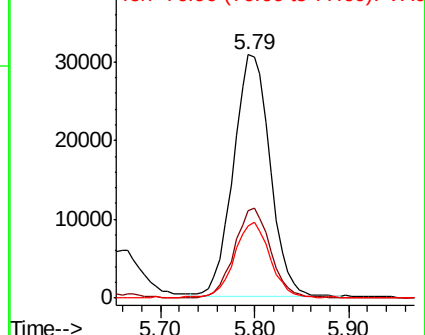
77 30.0 27.1 40.7

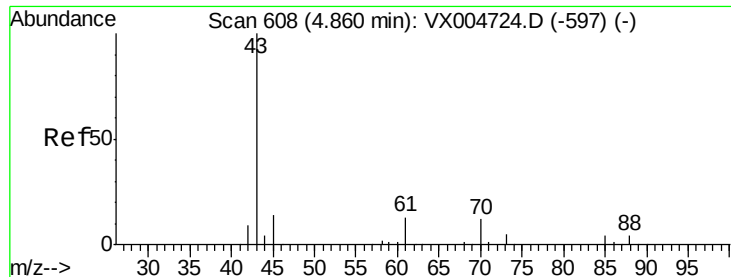


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

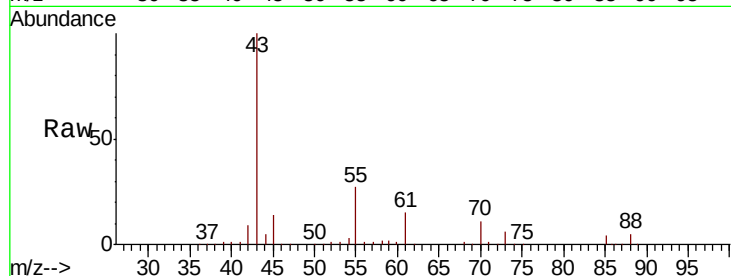




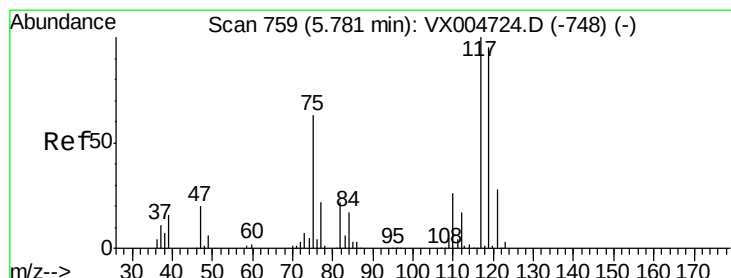
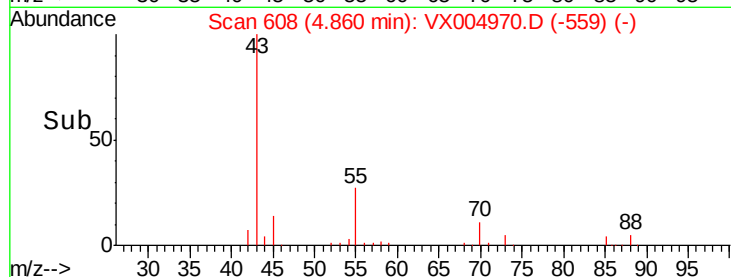
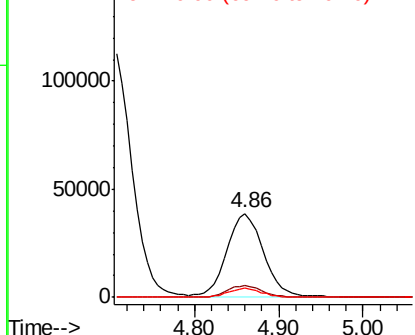
#37  
Ethyl Acetate  
Concen: 19.334 ug/l  
RT: 4.86 min Scan# 608  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

Tot Ion: 43 Resp: 113925  
Ion Ratio Lower Upper  
43 100  
61 14.0 10.4 15.6  
70 10.2 8.7 13.1

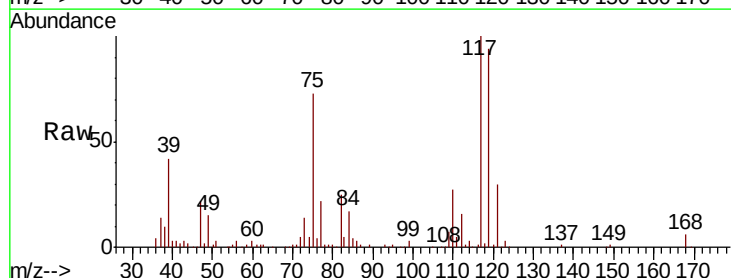


Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 70.00 (69.70 to 70.70): VX0

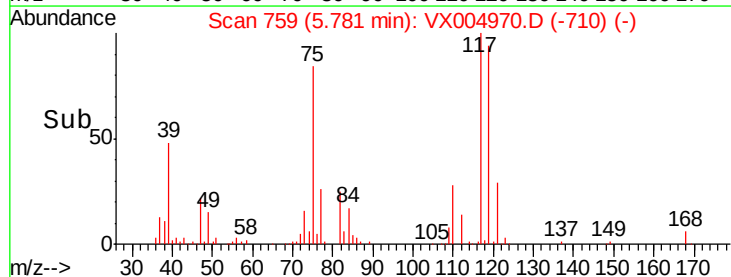
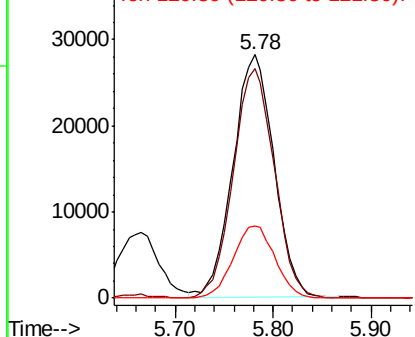


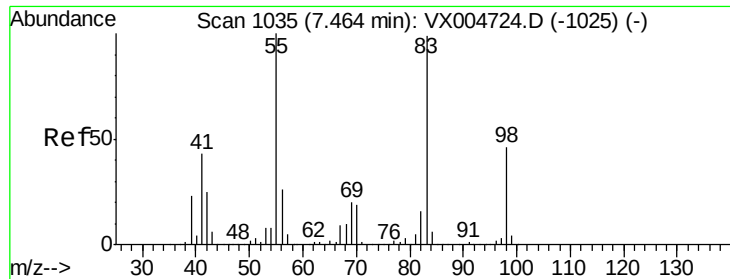
#38  
Carbon Tetrachloride  
Concen: 17.567 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion: 117 Resp: 81975  
Ion Ratio Lower Upper  
117 100  
119 94.6 75.2 112.8  
121 29.9 22.5 33.7



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

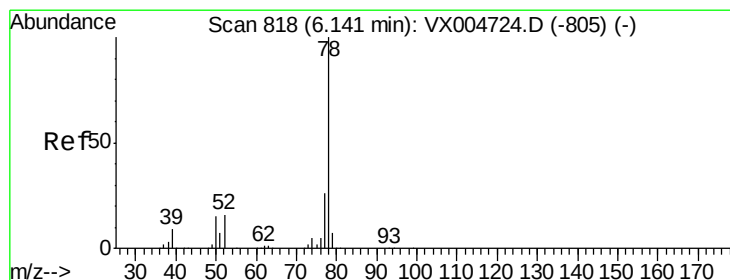
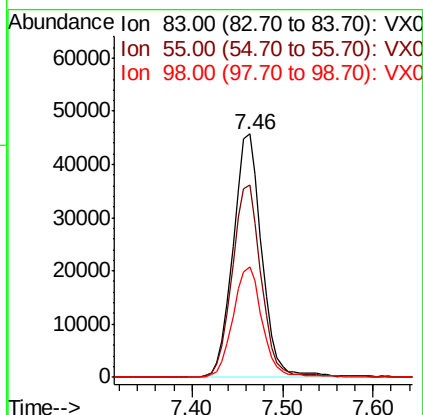
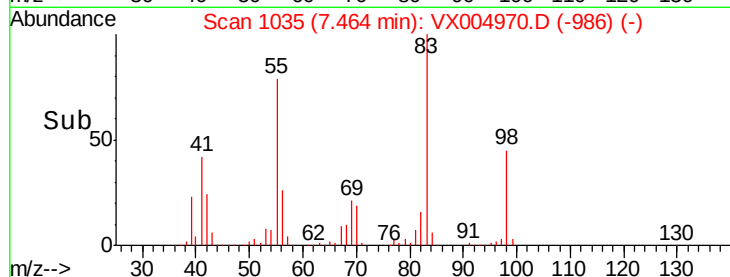
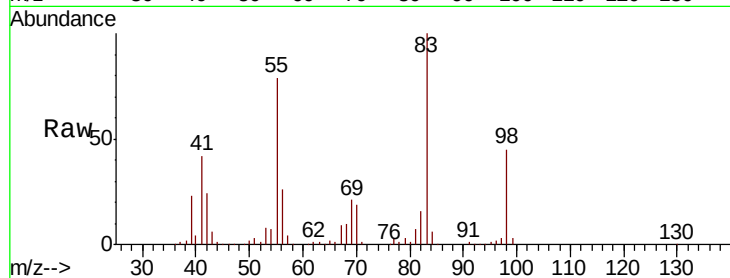




#39  
Methylvlcyclohexane  
Concen: 22.162 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

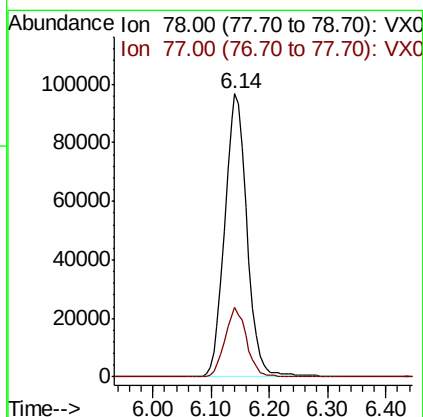
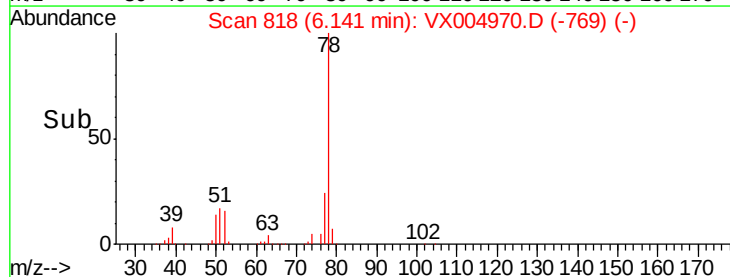
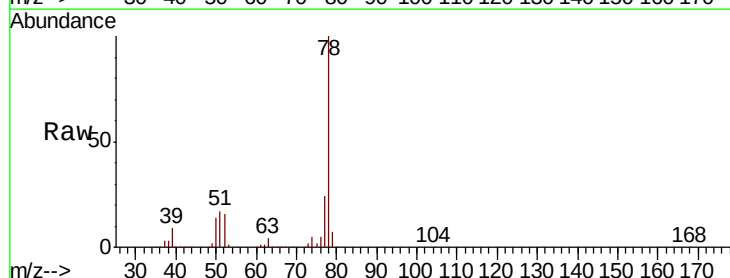
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

Tot Ion: 83 Resp: 100457  
Ion Ratio Lower Upper  
83 100  
55 79.1 81.1 121.7#  
98 45.1 37.3 55.9

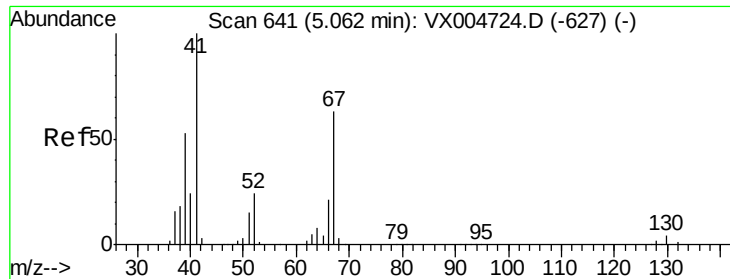


#40  
Benzene  
Concen: 18.535 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion: 78 Resp: 257594  
Ion Ratio Lower Upper  
78 100  
77 24.4 21.0 31.4







#41

Methacrylonitrile

Concen: 19.564 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

VX1004WBS01

Tot Ion: 41 Resp: 63933

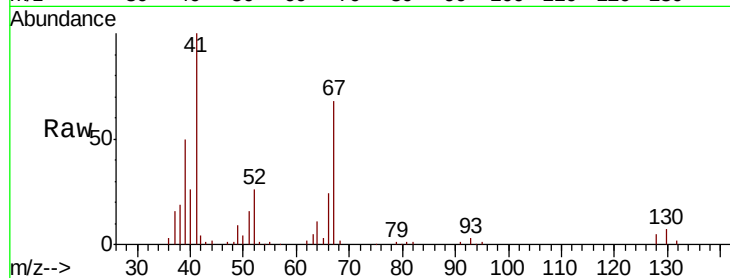
Ion Ratio Lower Upper

41 100

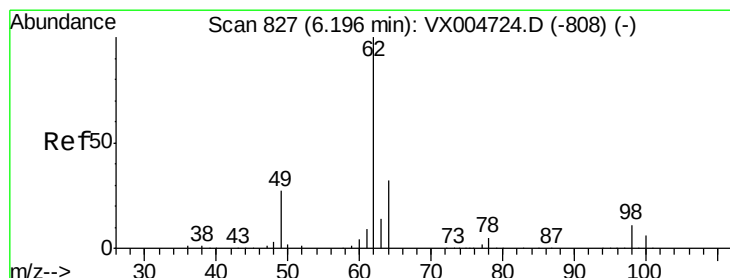
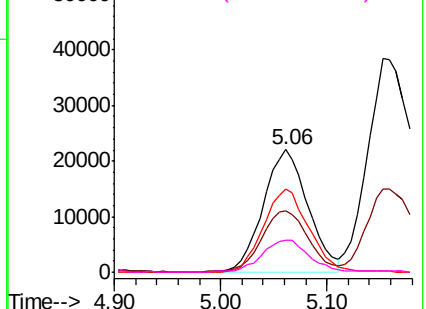
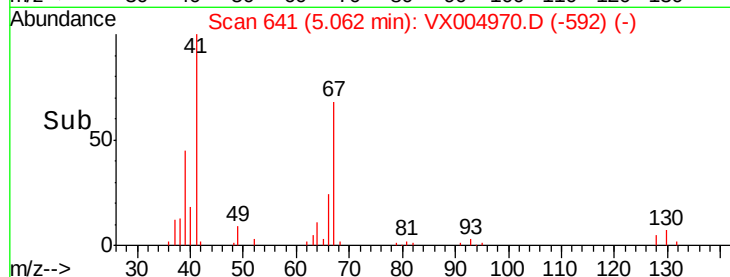
39 52.0 42.5 63.7

67 69.8 53.0 79.6

52 28.0 19.8 29.8



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: 18.427 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX004970.D

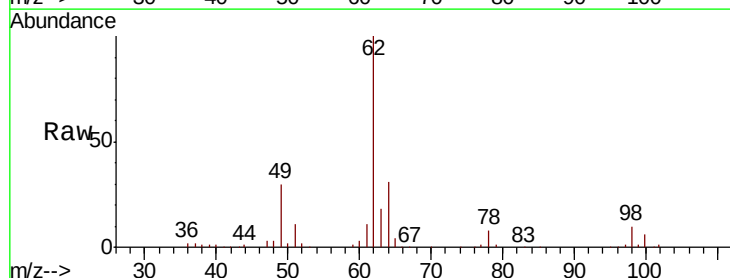
Acq: 03 Oct 2018 15:46

Tgt Ion: 62 Resp: 90528

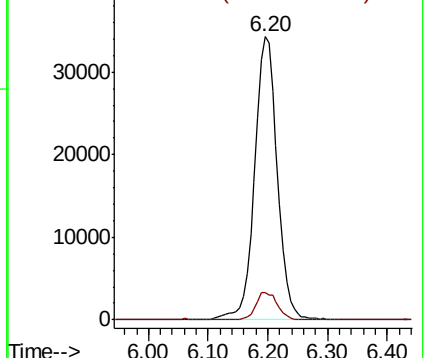
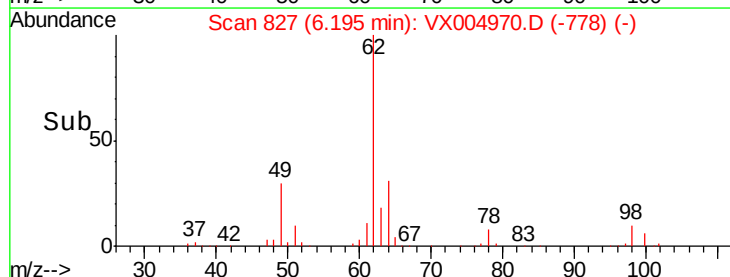
Ion Ratio Lower Upper

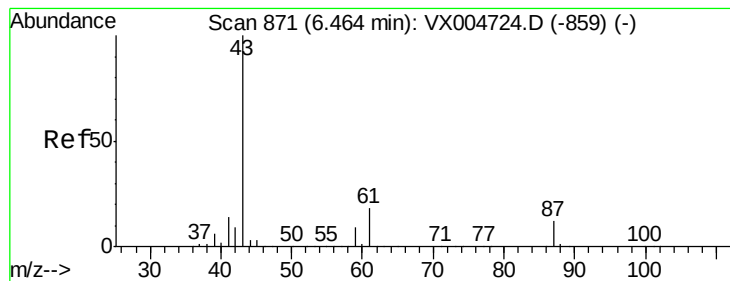
62 100

98 9.4 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: 19.331 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

VX1004WBS01

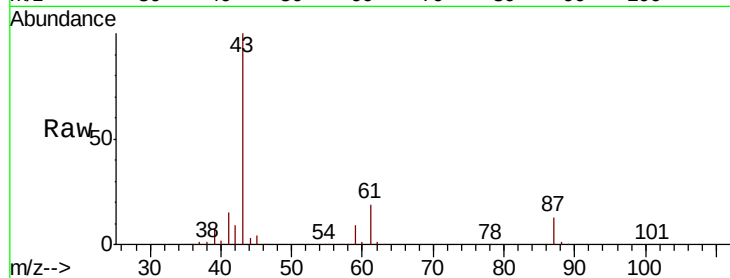
Tot Ion: 43 Resp: 164409

Ion Ratio Lower Upper

43 100

61 20.2 14.2 21.4

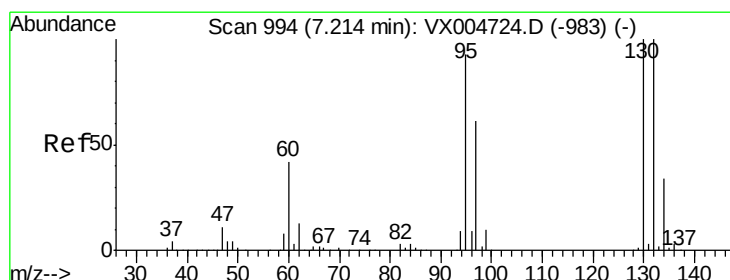
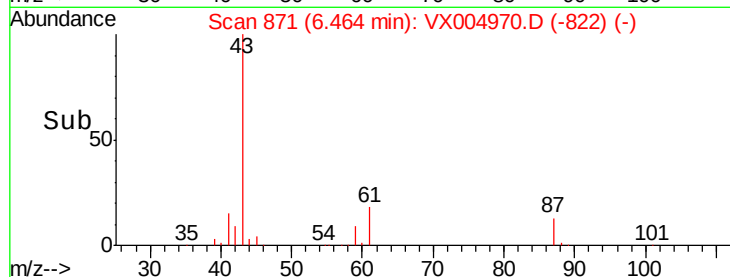
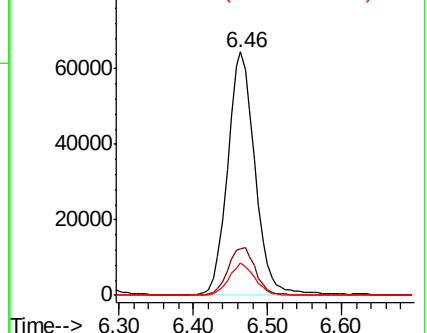
87 12.7 9.3 13.9



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: 20.350 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004970.D

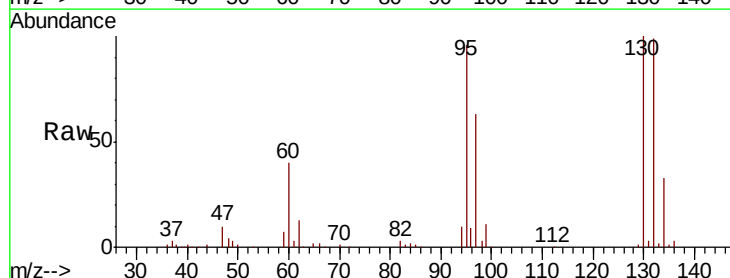
Acq: 03 Oct 2018 15:46

Tgt Ion:130 Resp: 69523

Ion Ratio Lower Upper

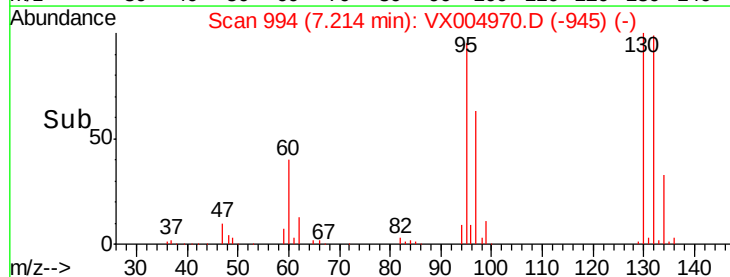
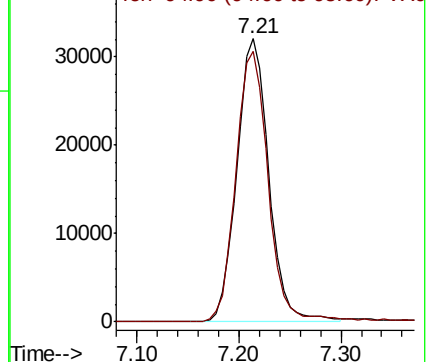
130 100

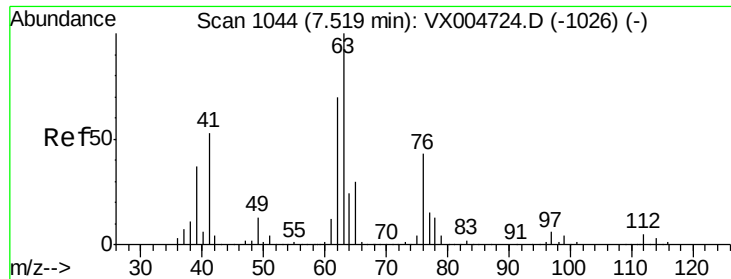
95 95.8 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

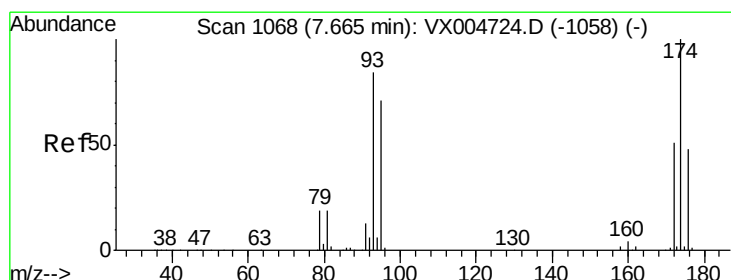
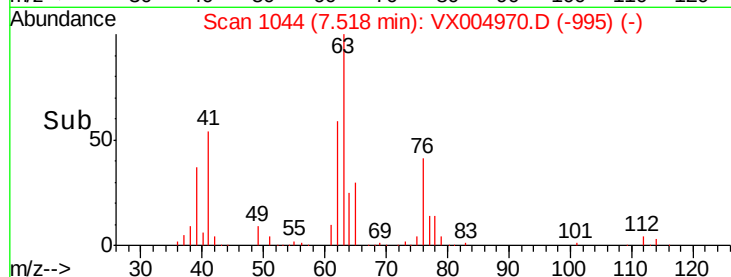
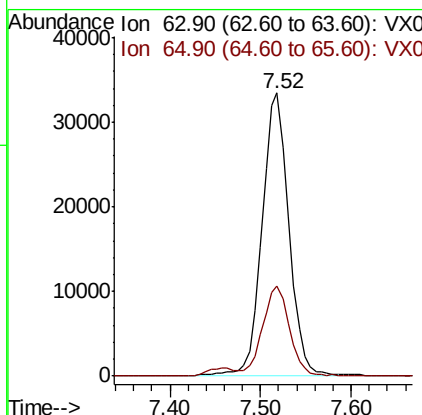
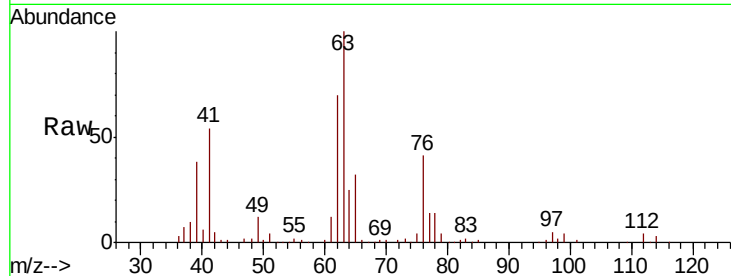




#45  
 1,2-Dichloropropane  
 Concen: 20.107 ug/l  
 RT: 7.52 min Scan# 1044  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

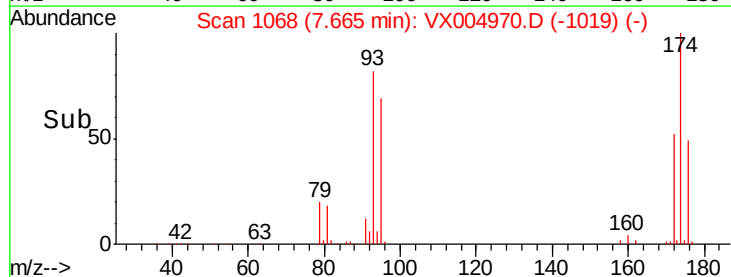
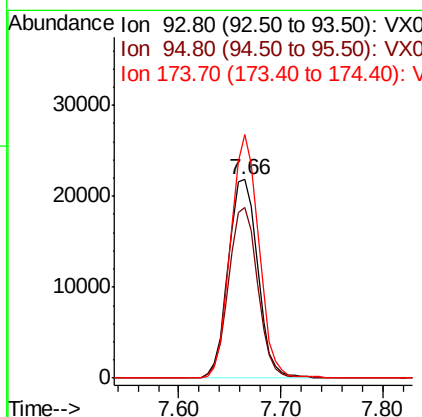
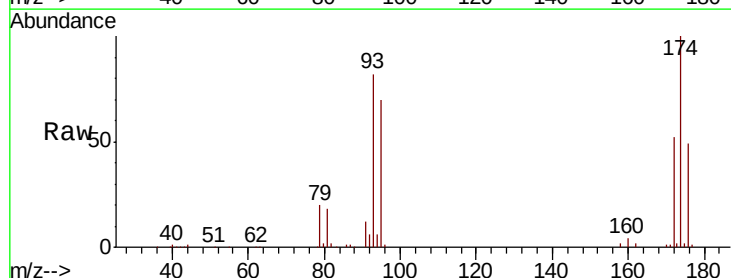
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1004WBS01

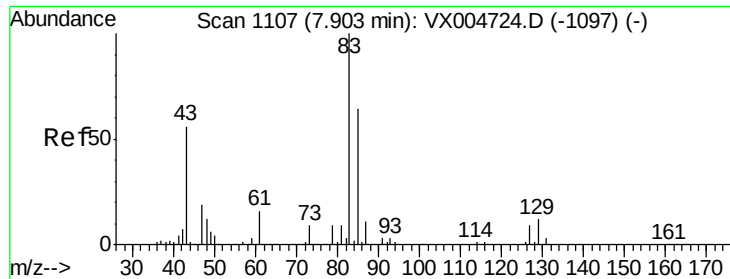
Tot Ion: 63 Resp: 68527  
 Ion Ratio Lower Upper  
 63 100  
 65 31.6 23.9 35.9



#46  
 Dibromomethane  
 Concen: 20.415 ug/l  
 RT: 7.66 min Scan# 1068  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

Tgt Ion: 93 Resp: 43726  
 Ion Ratio Lower Upper  
 93 100  
 95 84.8 66.7 100.1  
 174 116.6 92.7 139.1

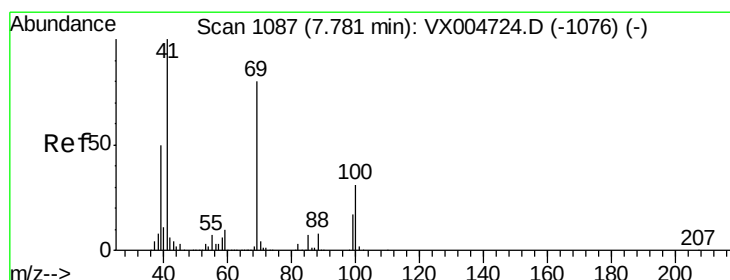
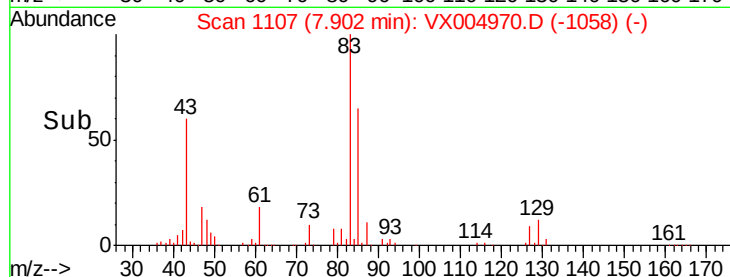
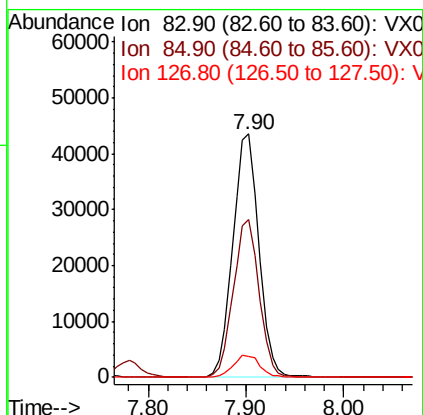
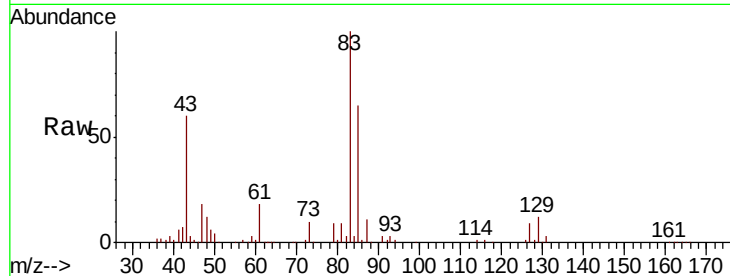




#47  
Bromodichloromethane  
Concen: 20.142 ug/l  
RT: 7.90 min Scan# 1107  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

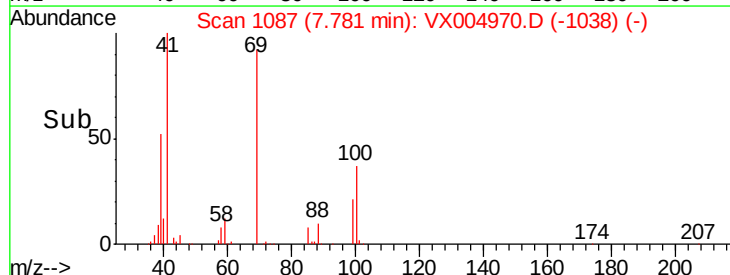
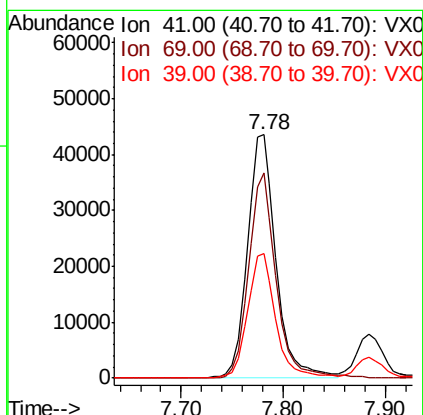
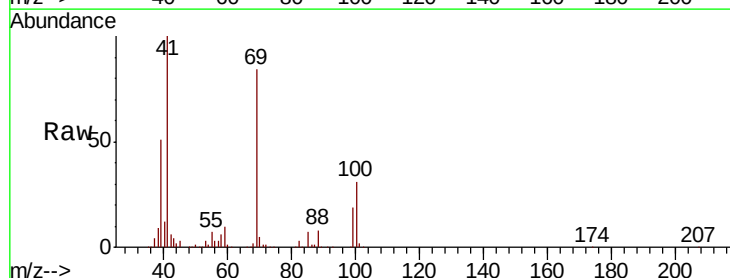
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

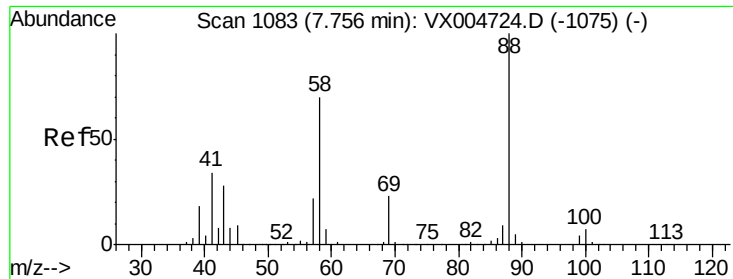
Tot Ion: 83 Resp: 80772  
Ion Ratio Lower Upper  
83 100  
85 65.0 51.2 76.8  
127 8.7 7.0 10.6



#48  
Methyl methacrylate  
Concen: 21.885 ug/l  
RT: 7.78 min Scan# 1087  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion: 41 Resp: 84481  
Ion Ratio Lower Upper  
41 100  
69 82.4 63.8 95.6  
39 50.6 40.7 61.1

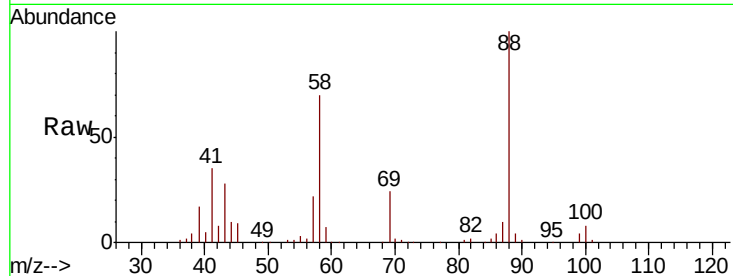




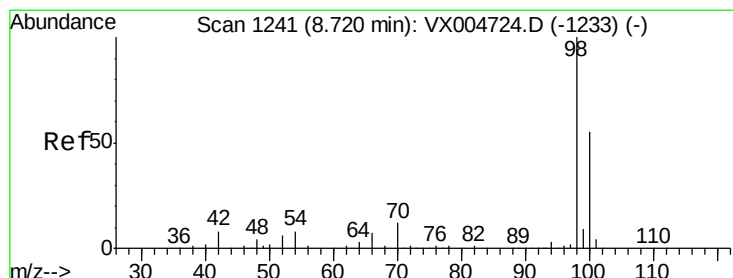
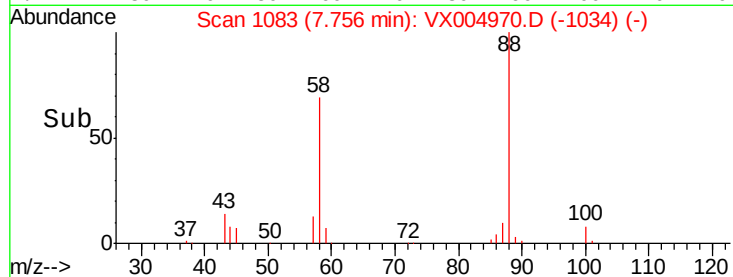
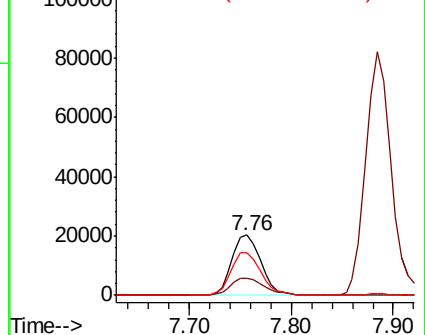
#49  
1,4-Dioxane  
Concen: 424.041 ug/l  
RT: 7.76 min Scan# 1083  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

Tot Ion: 88 Resp: 40667  
Ion Ratio Lower Upper  
88 100  
43 31.6 25.1 37.7  
58 73.3 56.2 84.2

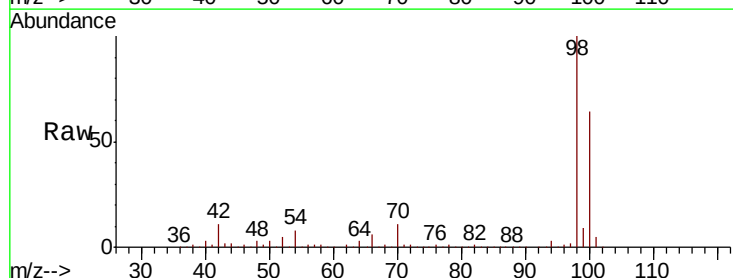


Abundance Ion 88.00 (87.70 to 88.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0

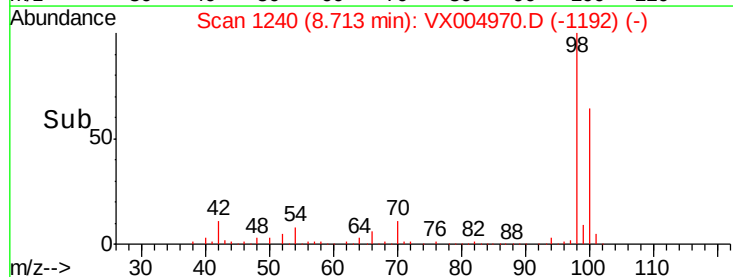
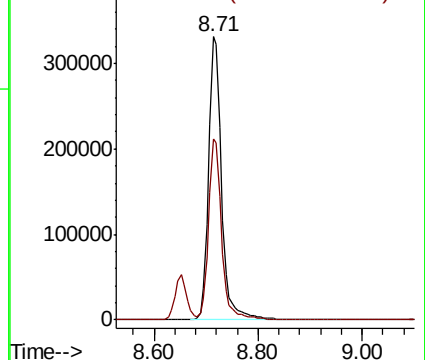


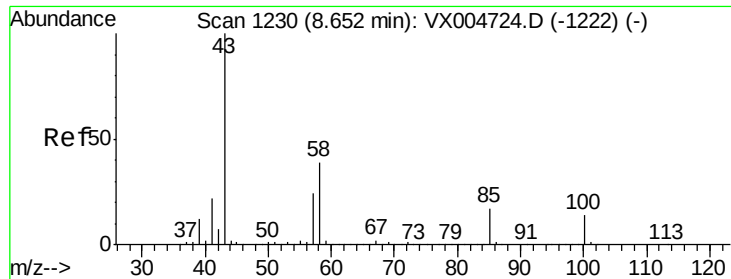
#50  
Toluene-d8  
Concen: 52.773 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.01 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion: 98 Resp: 570821  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.9 77.9



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

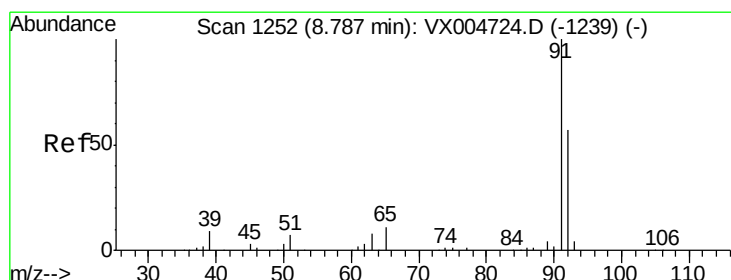
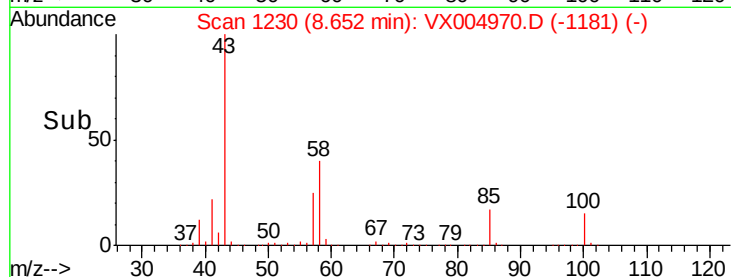
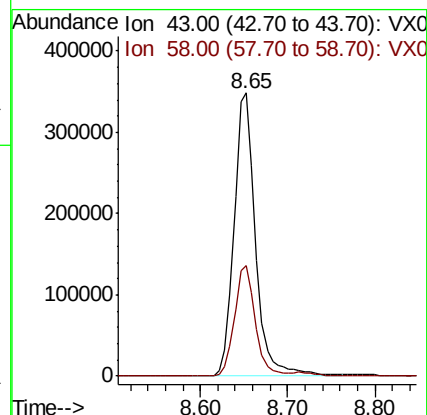
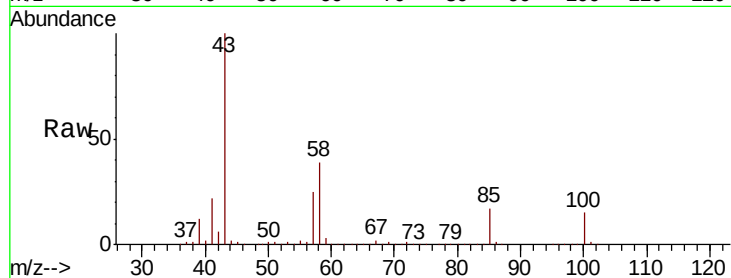




#51  
4-Methyl-2-Pentanone  
Concen: 111.333 ug/l  
RT: 8.65 min Scan# 1230  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

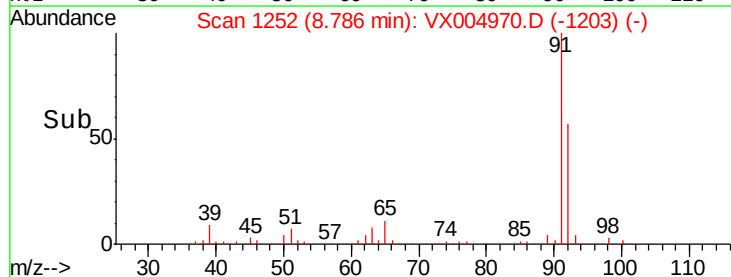
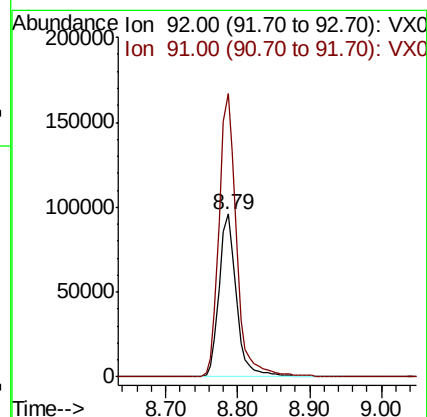
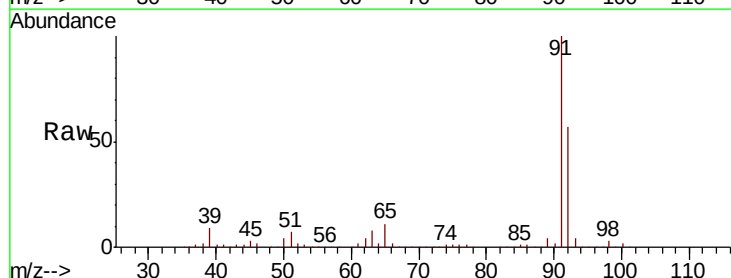
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

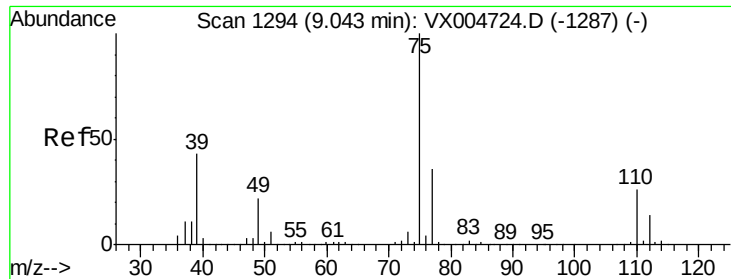
Tot Ion: 43 Resp: 596194  
Ion Ratio Lower Upper  
43 100  
58 38.2 30.5 45.7



#52  
Toluene  
Concen: 21.092 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion: 92 Resp: 161067  
Ion Ratio Lower Upper  
92 100  
91 175.2 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 20.277 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

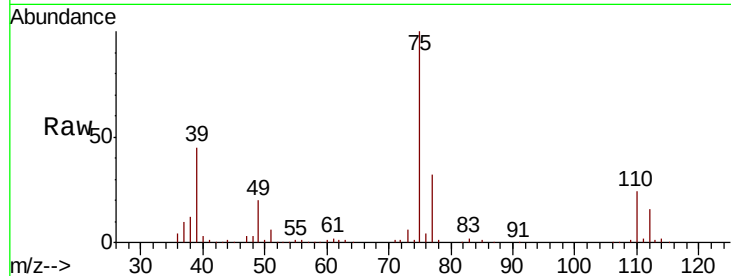
VX1004WBS01

Tot Ion: 75 Resp: 91889

Ion Ratio Lower Upper

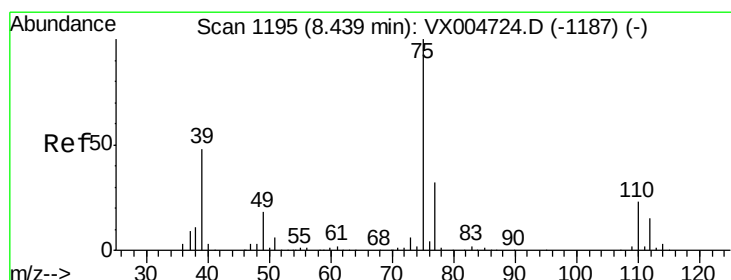
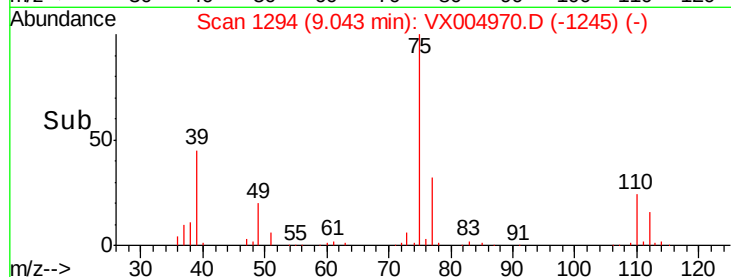
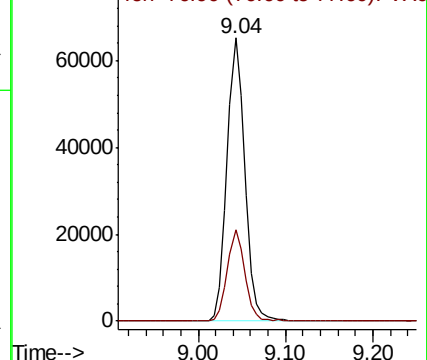
75 100

77 32.1 28.9 43.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 21.365 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

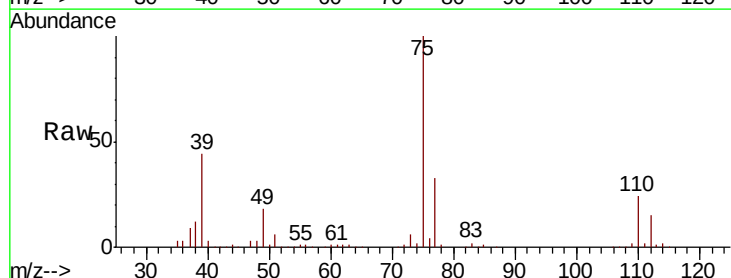
Tgt Ion: 75 Resp: 101411

Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5

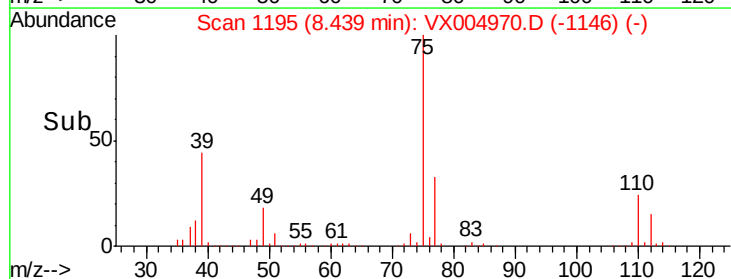
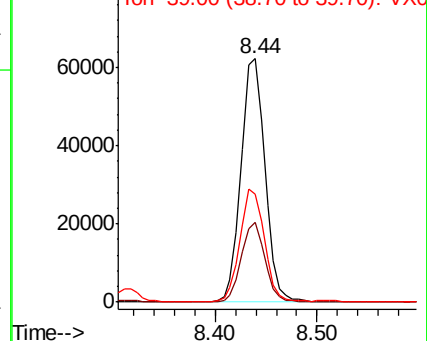
39 44.2 38.3 57.5

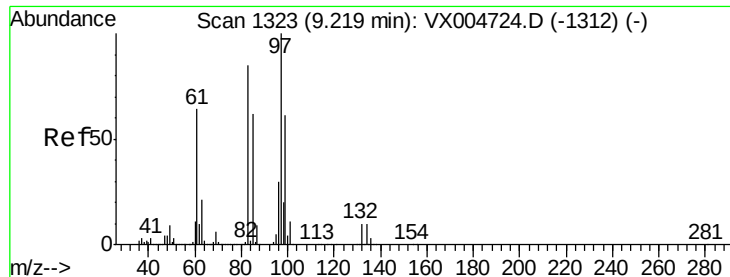


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 20.504 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

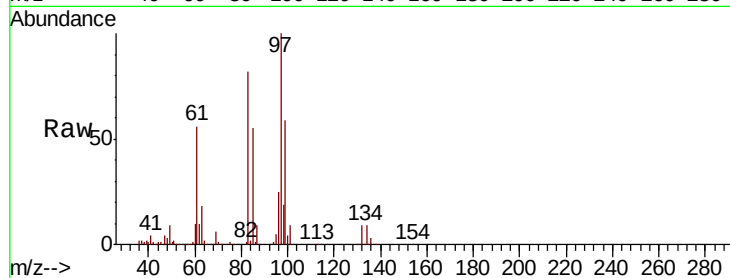
MSVOA\_X

ClientSampleId :

VX1004WBS01

Tot Ion: 97 Resp: 68587

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 82.3  | 68.2  | 102.2 |
| 85  | 54.8  | 49.9  | 74.9  |
| 99  | 59.3  | 48.9  | 73.3  |

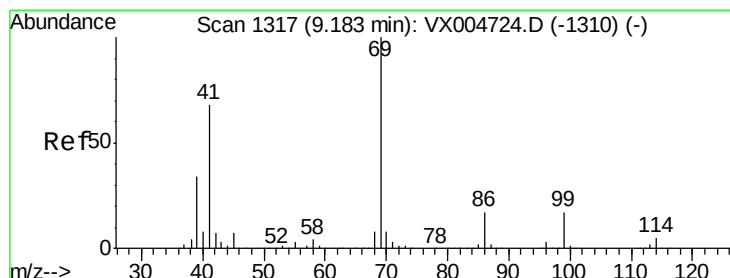
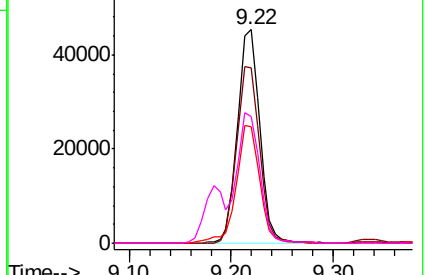
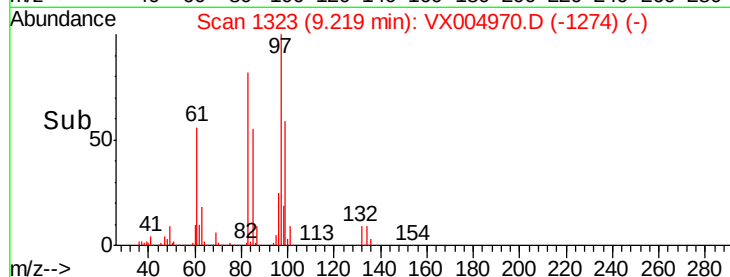


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 20.394 ug/l

RT: 9.18 min Scan# 1317

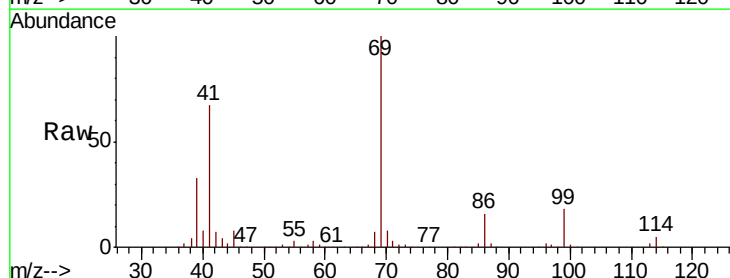
Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Tgt Ion: 69 Resp: 100942

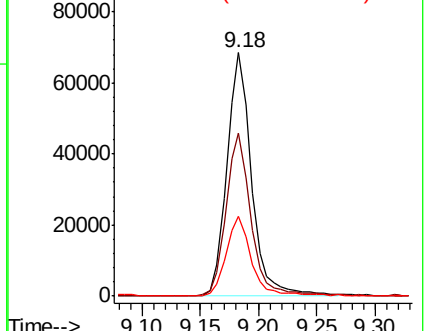
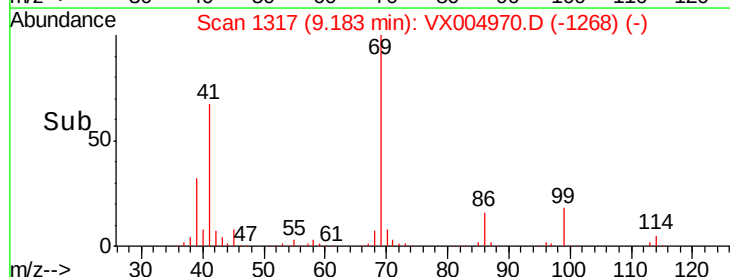
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 67.4  | 56.9  | 85.3  |
| 39  | 33.2  | 28.4  | 42.6  |



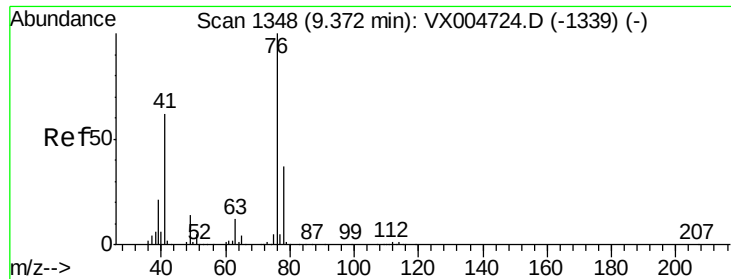
Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



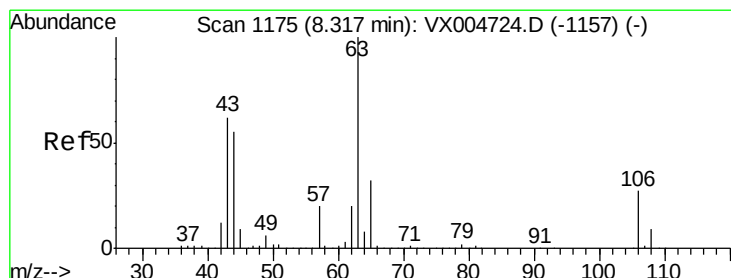
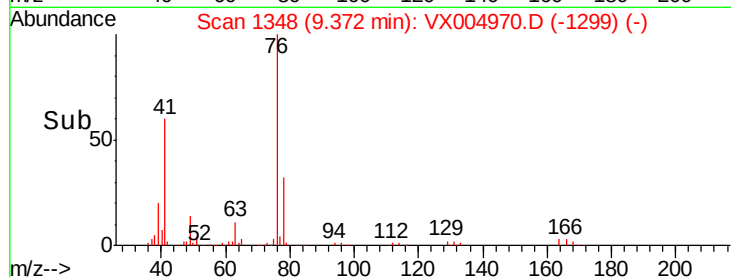
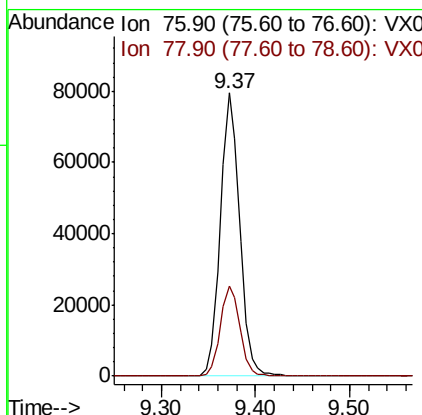
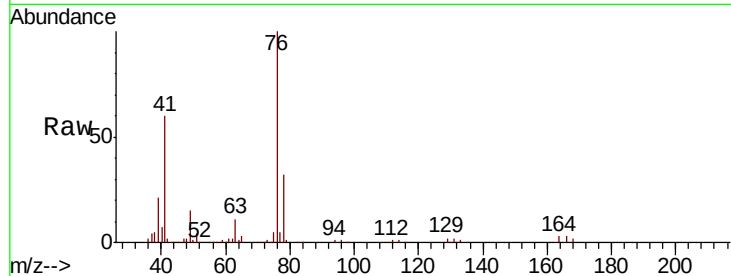




#57  
 1,3-Dichloropropane  
 Concen: 20.309 ug/l  
 RT: 9.37 min Scan# 1348  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

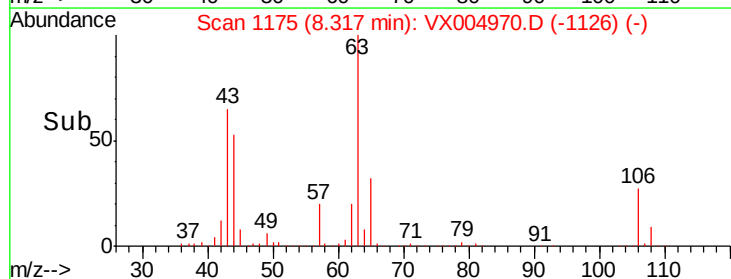
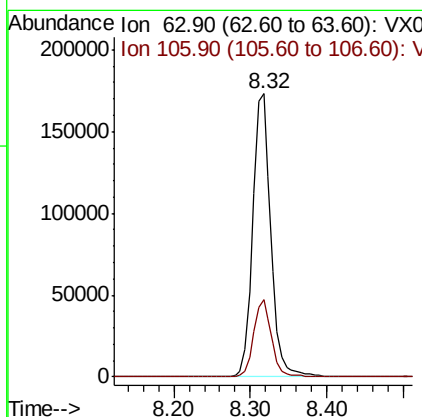
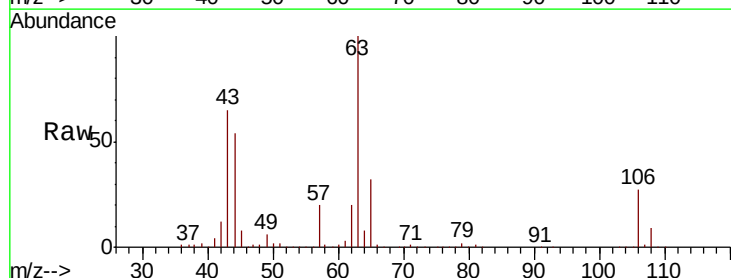
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1004WBS01

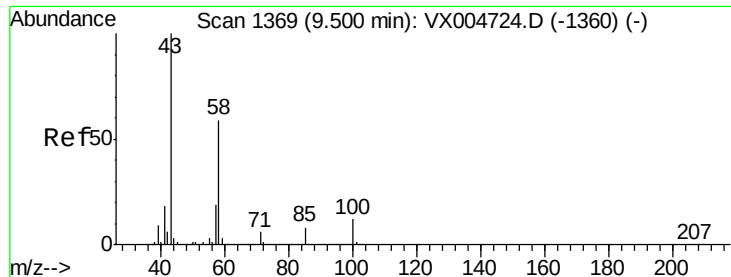
Tot Ion: 76 Resp: 113063  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 26.6 40.0



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 107.300 ug/l  
 RT: 8.32 min Scan# 1175  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

Tgt Ion: 63 Resp: 284414  
 Ion Ratio Lower Upper  
 63 100  
 106 26.9 21.0 31.6

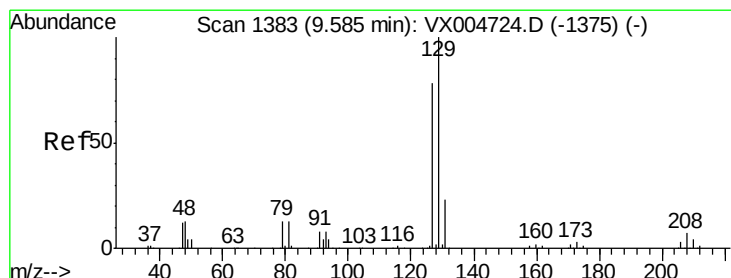
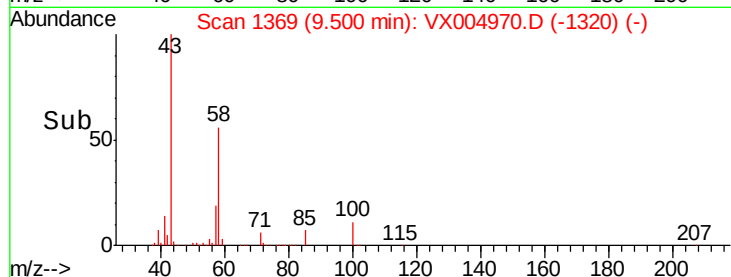
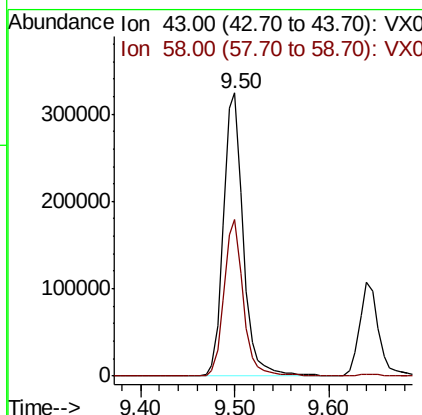
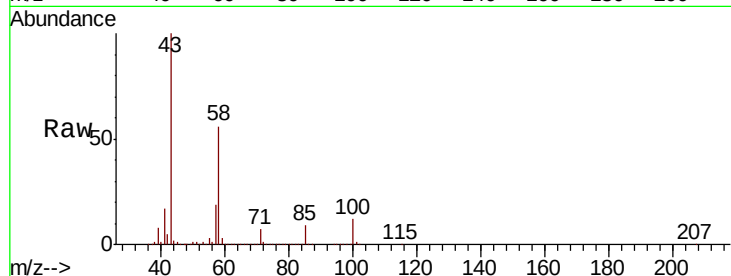




#59  
2-Hexanone  
Concen: 105.826 ug/l  
RT: 9.50 min Scan# 1369  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

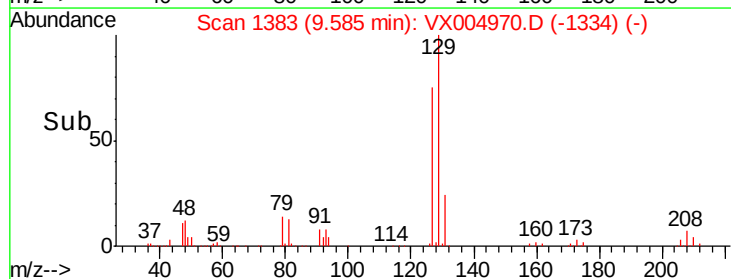
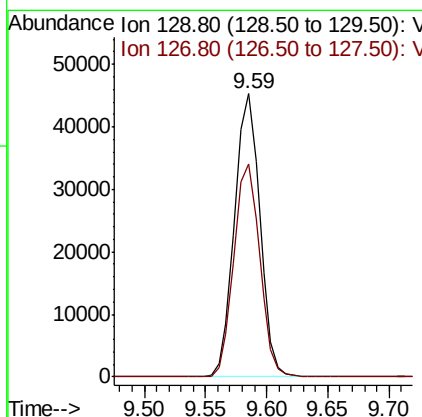
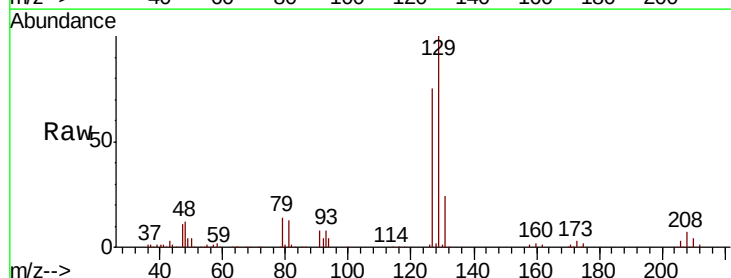
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

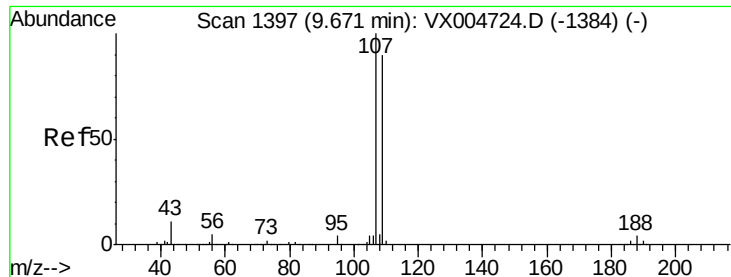
Tot Ion: 43 Resp: 472246  
Ion Ratio Lower Upper  
43 100  
58 54.0 28.4 85.3



#60  
Dibromochloromethane  
Concen: 19.459 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion: 129 Resp: 65094  
Ion Ratio Lower Upper  
129 100  
127 76.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.254 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

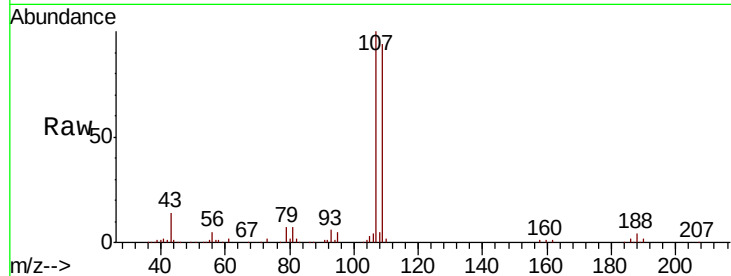
VX1004WBS01

Tot Ion:107 Resp: 68976

Ion Ratio Lower Upper

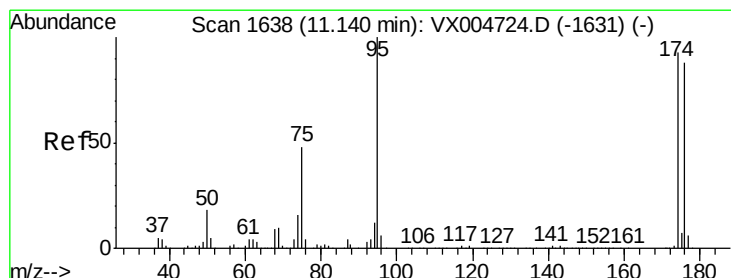
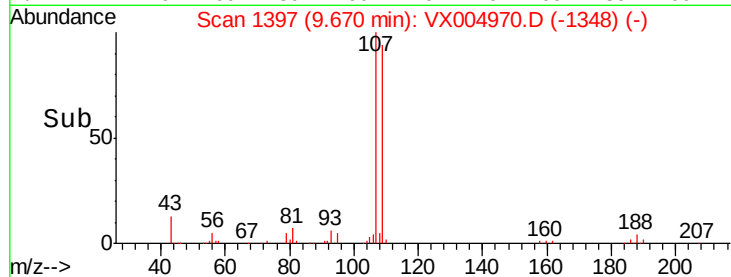
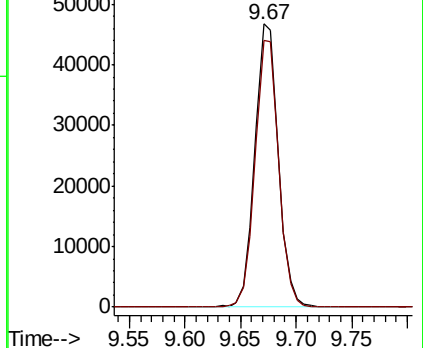
107 100

109 95.1 72.1 108.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.371 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

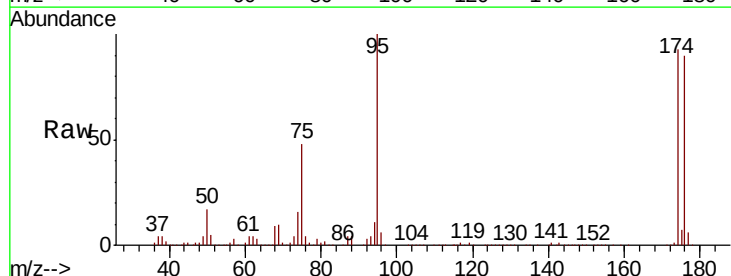
Tgt Ion: 95 Resp: 211869

Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.0

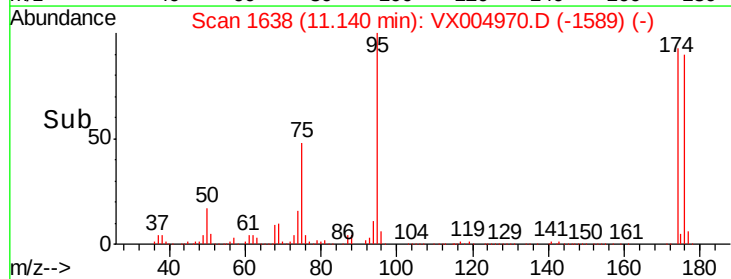
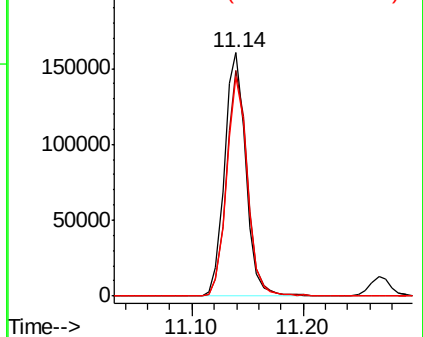
176 88.4 0.0 180.2

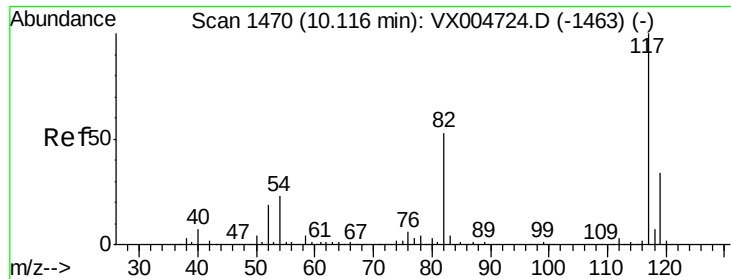


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

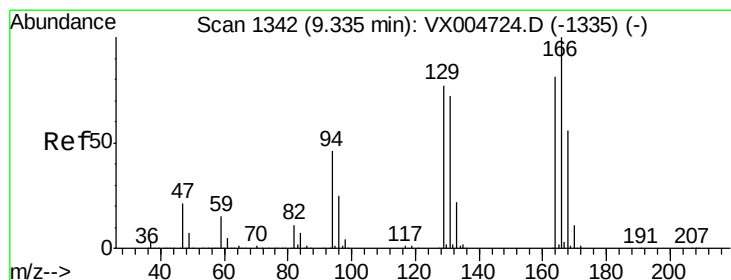
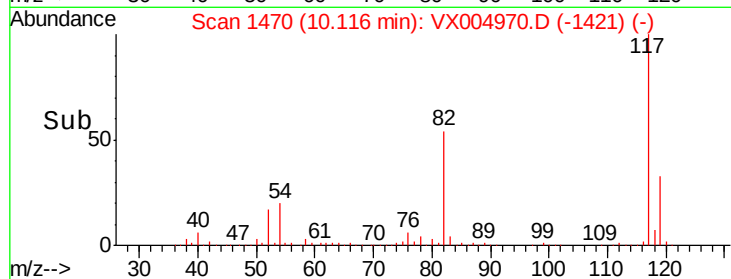
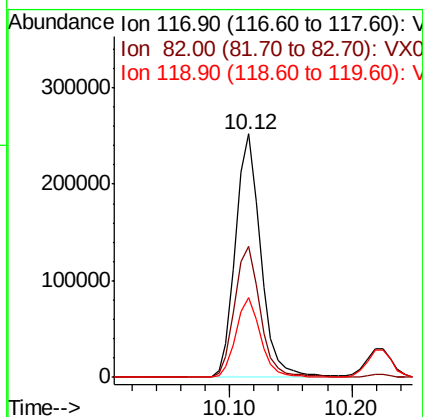
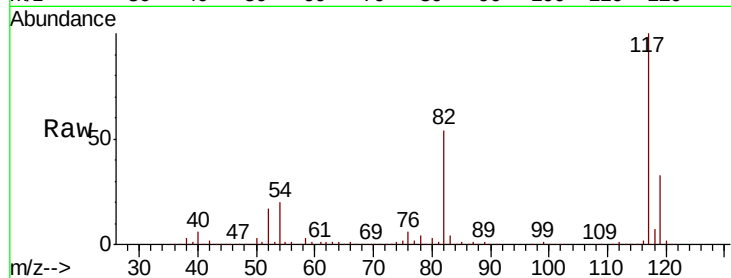




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

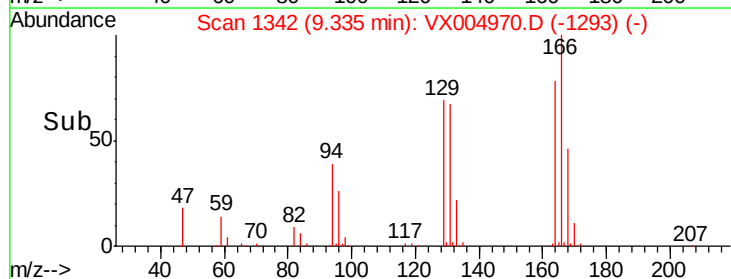
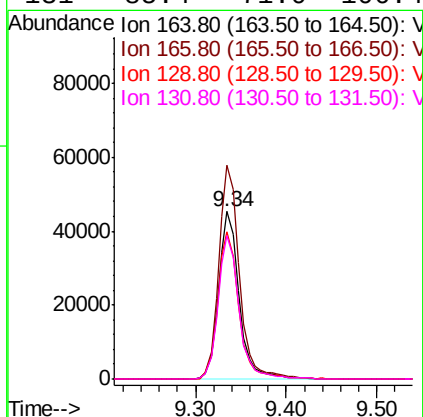
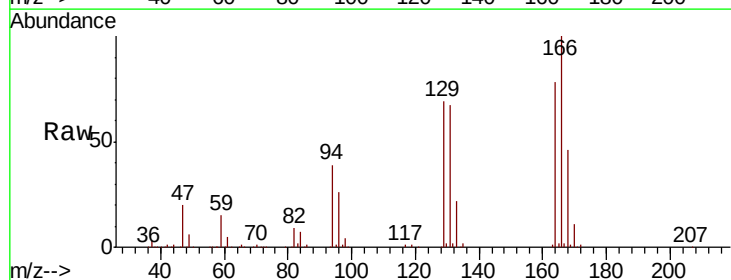
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

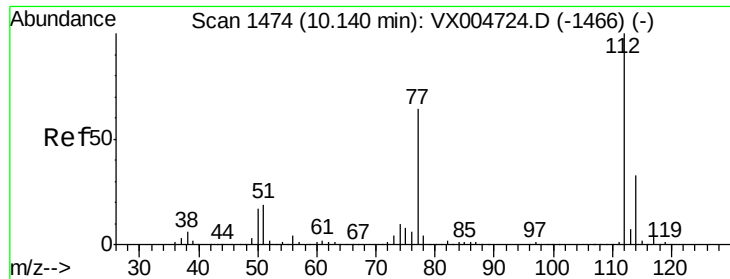
Tot Ion:117 Resp: 359867  
Ion Ratio Lower Upper  
117 100  
82 53.8 42.2 63.4  
119 32.6 27.4 41.0



#64  
Tetrachloroethene  
Concen: 20.301 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion:164 Resp: 71903  
Ion Ratio Lower Upper  
164 100  
166 127.5 98.4 147.6  
129 88.0 76.1 114.1  
131 85.4 71.0 106.4

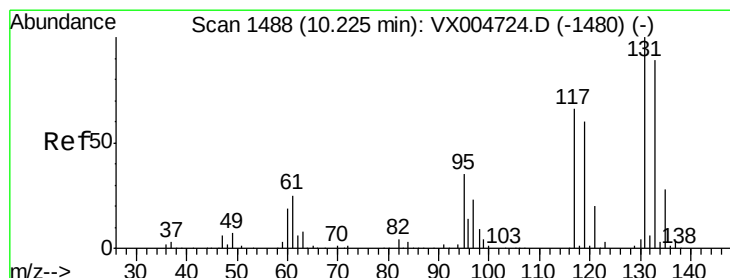
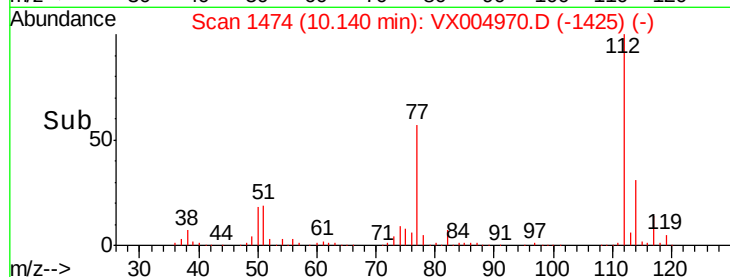
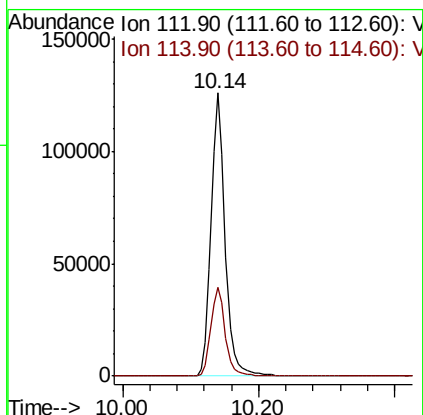
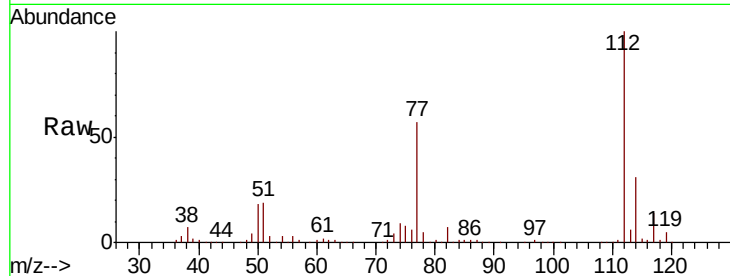




#65  
Chlorobenzene  
Concen: 19.597 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

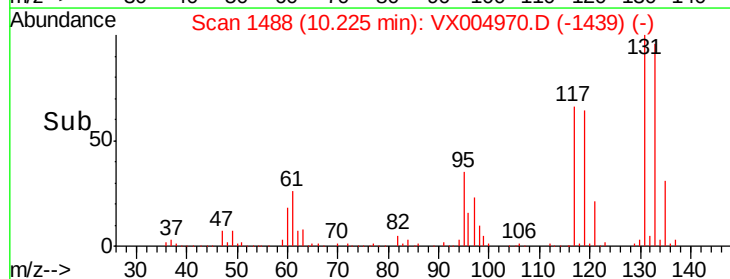
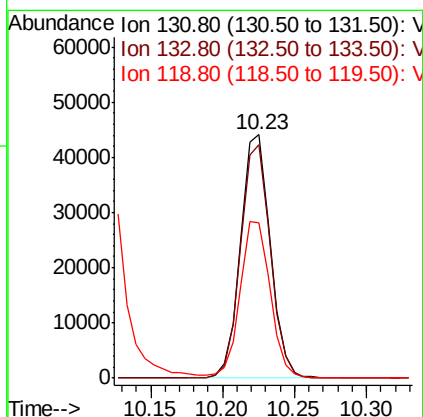
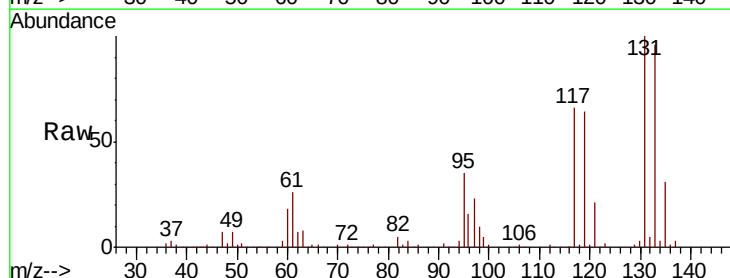
Instrument :  
MSVOA\_X  
ClientSampled :  
VX1004WBS01

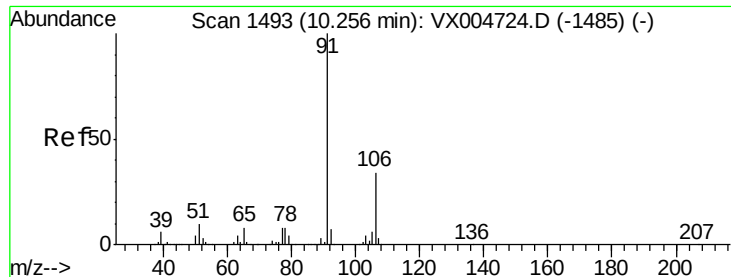
Tot Ion:112 Resp: 180840  
Ion Ratio Lower Upper  
112 100  
114 31.2 26.7 40.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.422 ug/l  
RT: 10.23 min Scan# 1488  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion:131 Resp: 63007  
Ion Ratio Lower Upper  
131 100  
133 96.3 48.4 145.0  
119 66.0 32.3 96.8





#67

Ethyl Benzene

Concen: 20.506 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

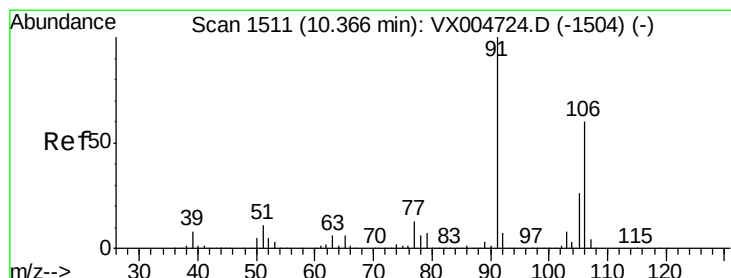
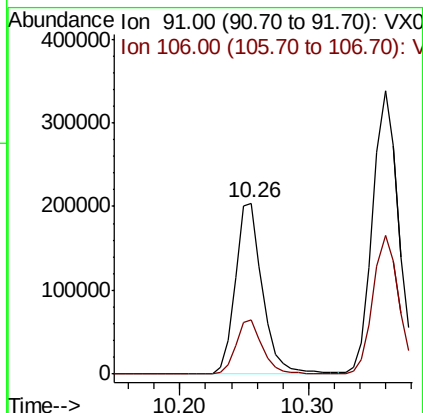
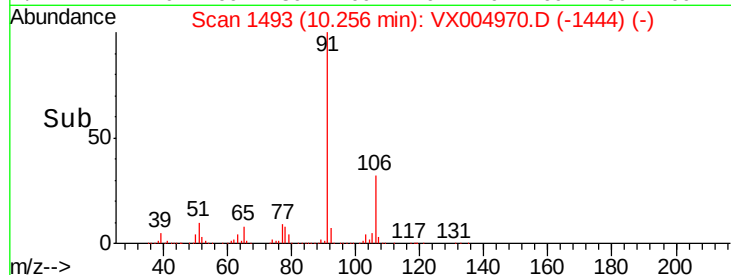
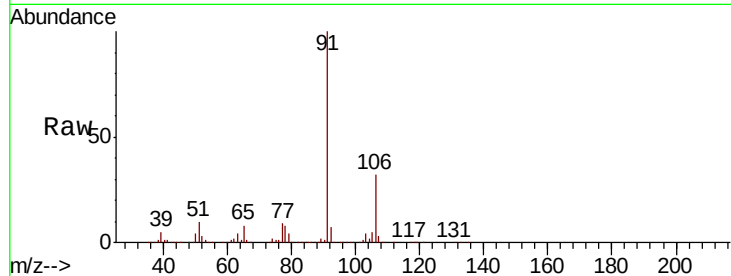
VX1004WBS01

Tot Ion: 91 Resp: 300421

Ion Ratio Lower Upper

91 100

106 31.9 26.9 40.3



#68

m/p-Xylenes

Concen: 41.342 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004970.D

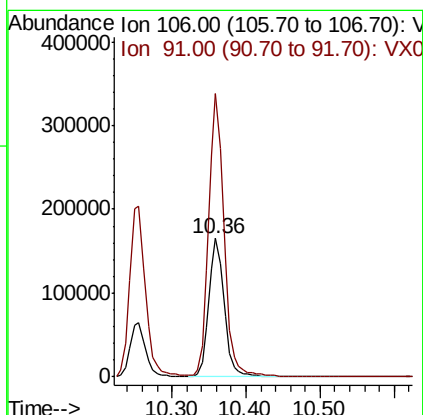
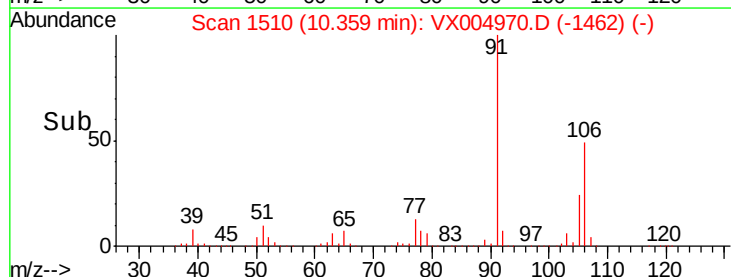
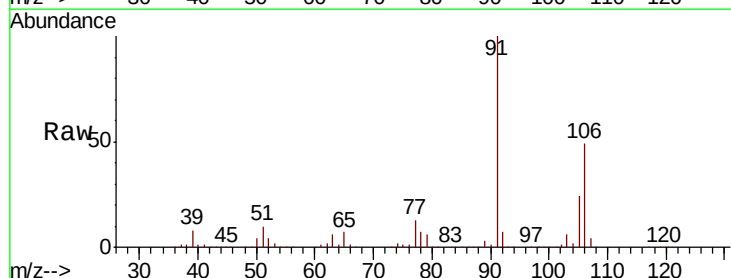
Acq: 03 Oct 2018 15:46

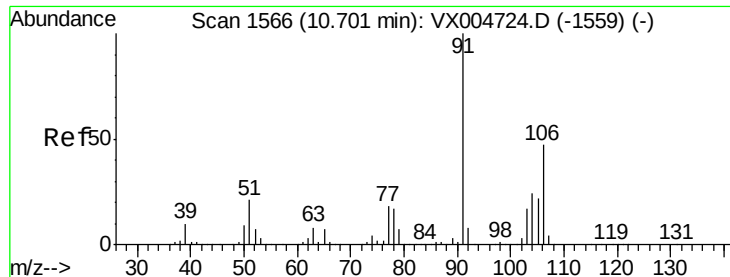
Tgt Ion: 106 Resp: 236686

Ion Ratio Lower Upper

106 100

91 203.3 157.5 236.3

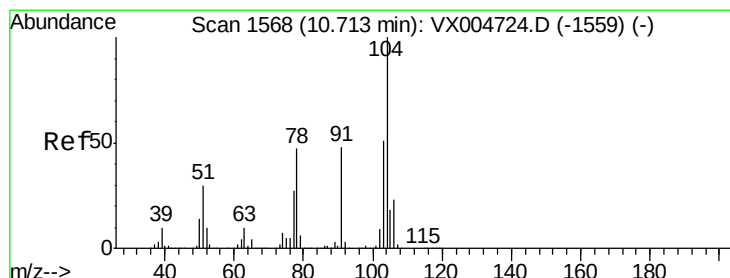
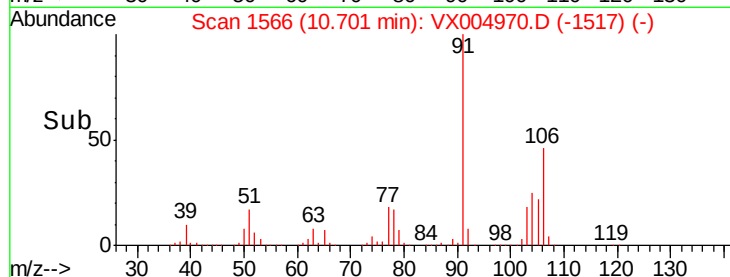
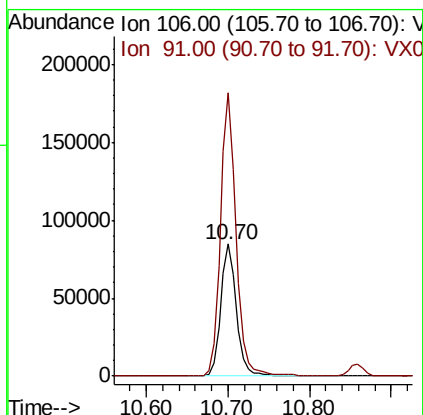
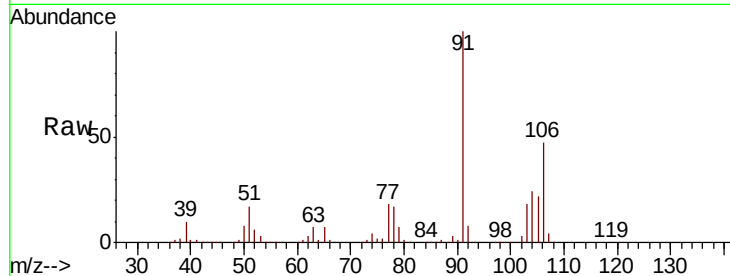




#69  
o-Xylene  
Concen: 21.681 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

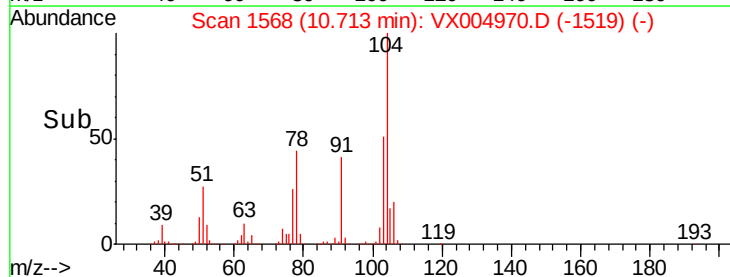
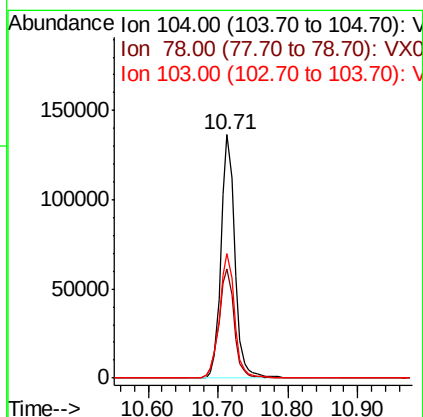
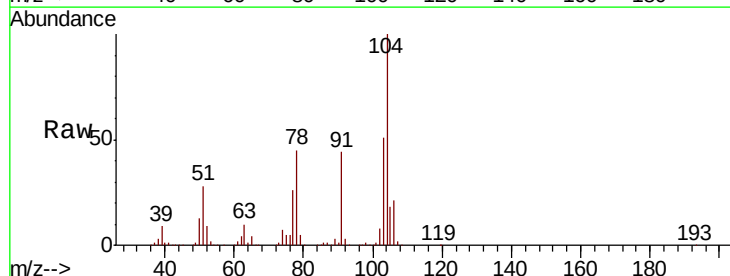
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1004WBS01

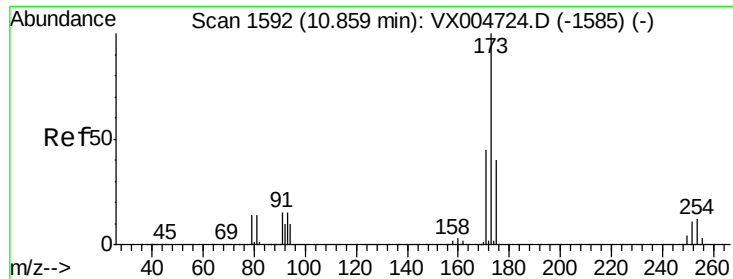
Tot Ion:106 Resp: 114006  
Ion Ratio Lower Upper  
106 100  
91 213.2 108.3 324.8



#70  
Styrene  
Concen: 20.538 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion:104 Resp: 189027  
Ion Ratio Lower Upper  
104 100  
78 49.2 40.0 60.0  
103 55.7 44.3 66.5





#71

Bromoform

Concen: 18.253 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

VX1004WBS01

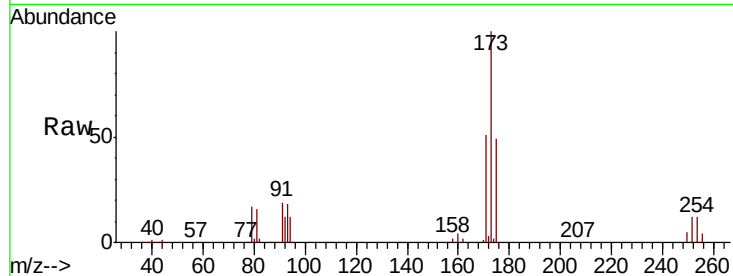
Tot Ion:173 Resp: 50697

Ion Ratio Lower Upper

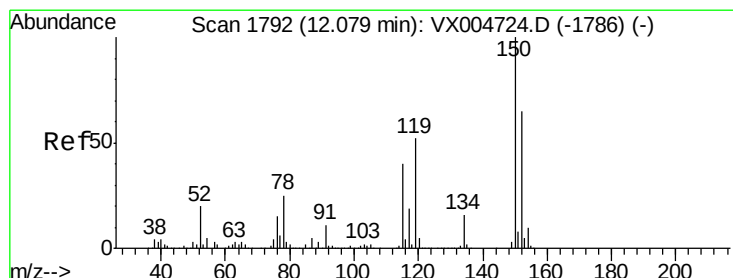
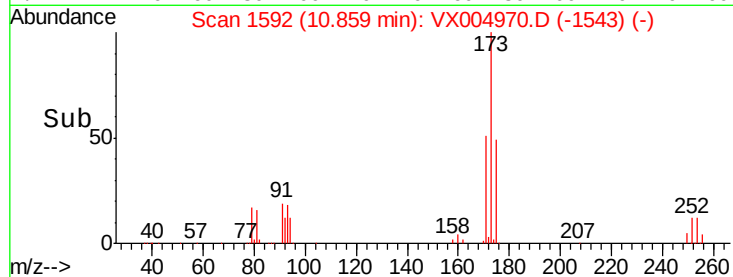
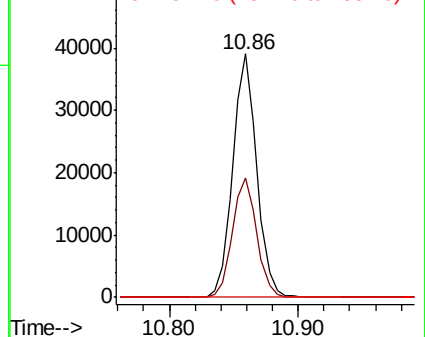
173 100

175 50.0 23.3 69.8

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

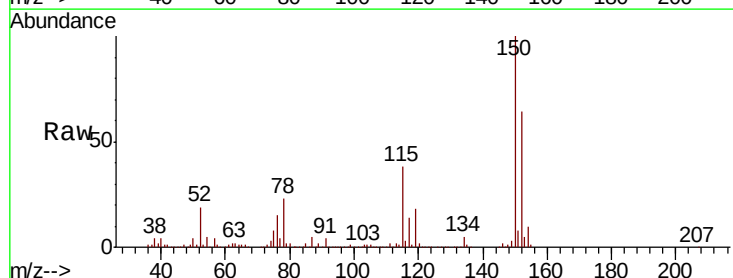
Tgt Ion:152 Resp: 217319

Ion Ratio Lower Upper

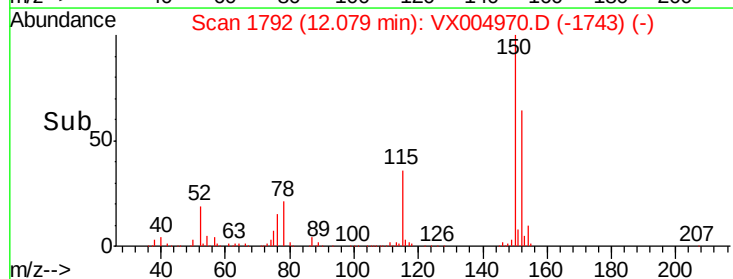
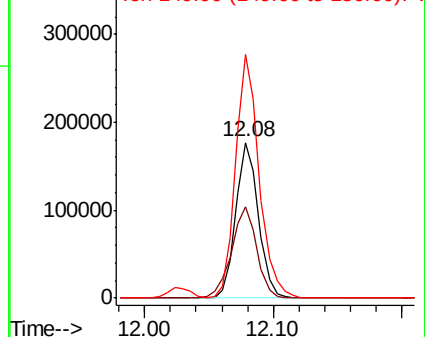
152 100

115 65.8 40.2 120.6

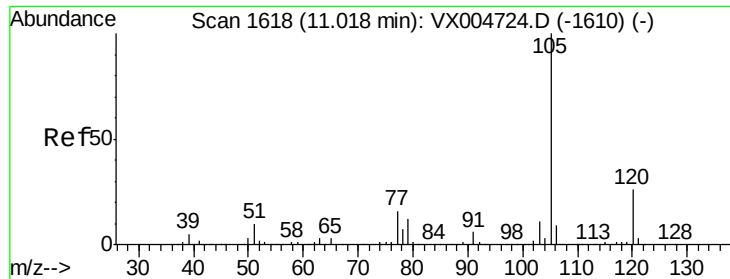
150 163.0 0.0 351.0



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







#73

Isopropylbenzene

Concen: 22.615 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

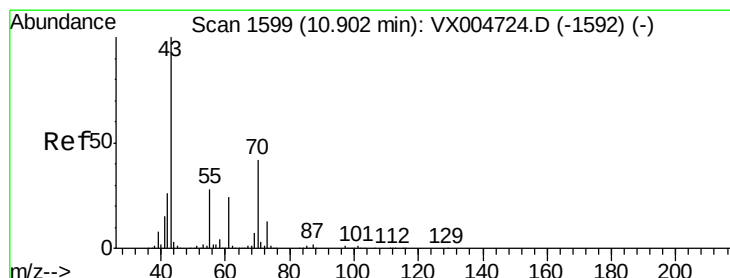
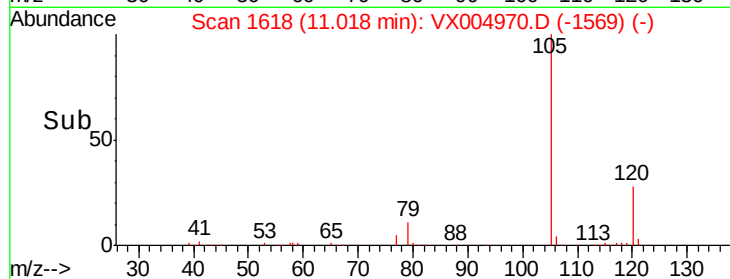
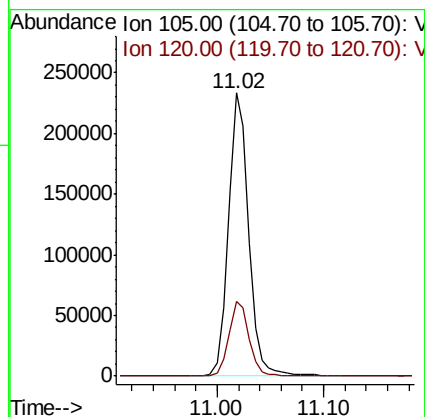
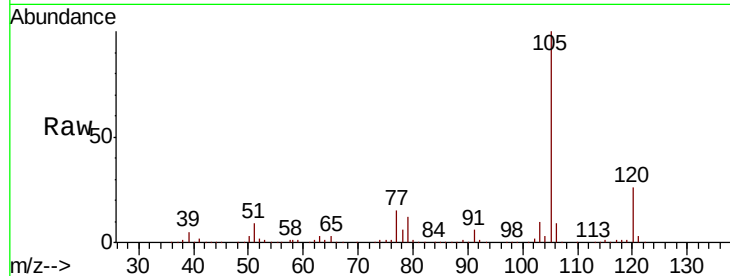
VX1004WBS01

Tot Ion:105 Resp: 309773

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5



#74

N-ethyl acetate

Concen: 19.795 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Tgt Ion: 43 Resp: 140801

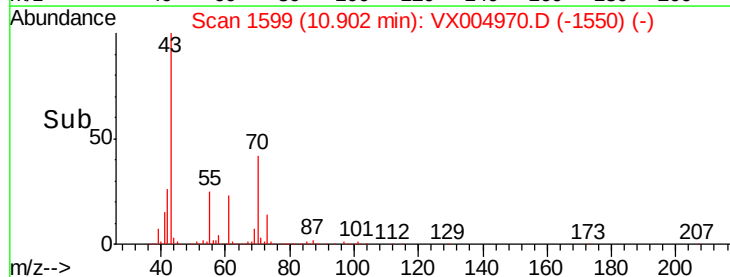
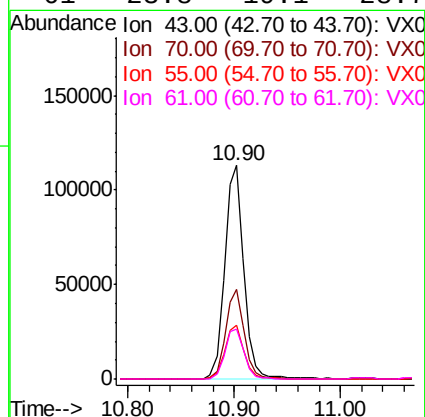
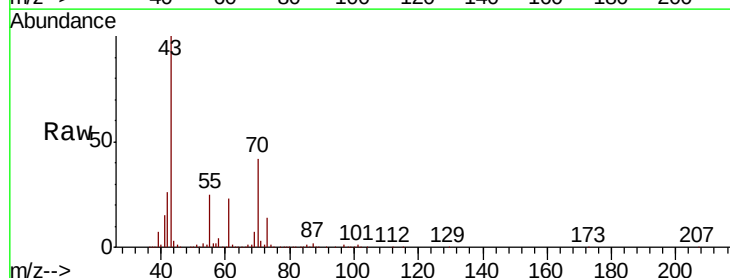
Ion Ratio Lower Upper

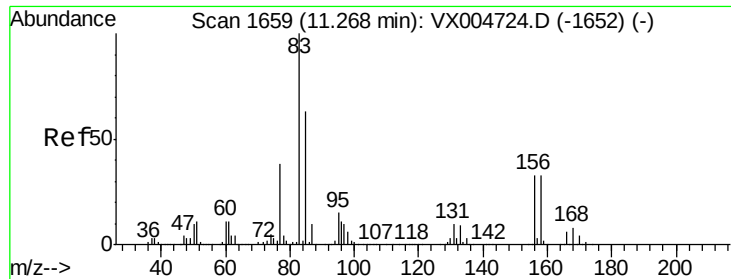
43 100

70 41.0 32.6 48.8

55 25.3 21.6 32.4

61 23.8 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.203 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampled :

VX1004WBS01

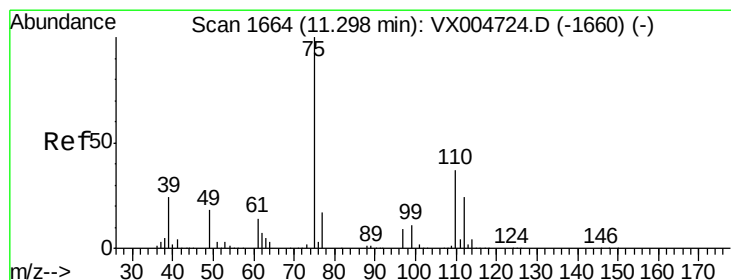
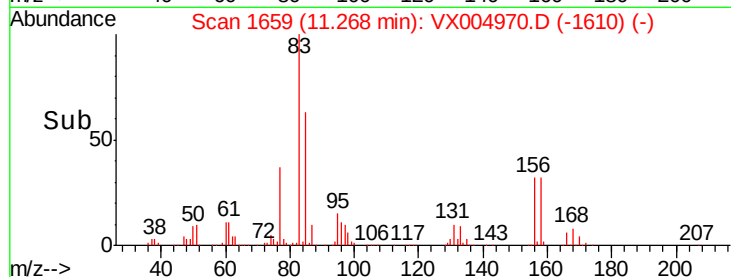
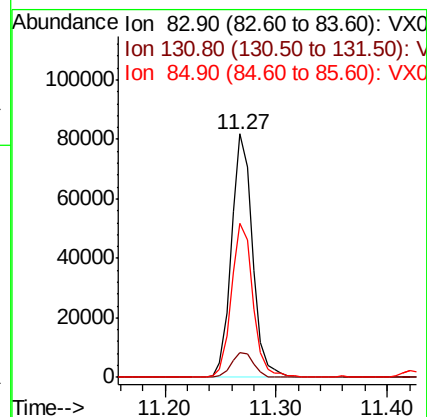
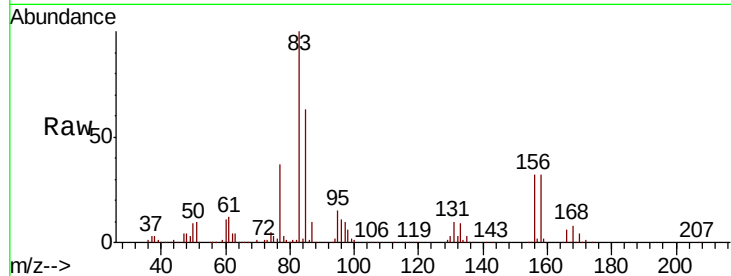
Tot Ion: 83 Resp: 107075

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

85 64.5 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 25.047 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004970.D

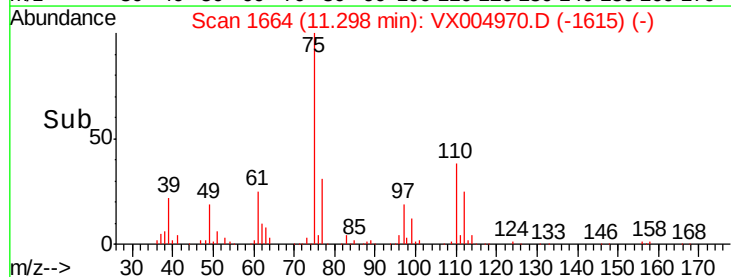
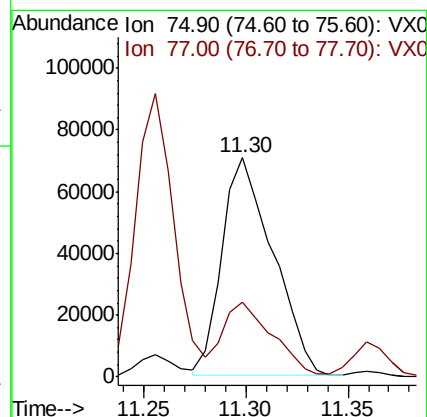
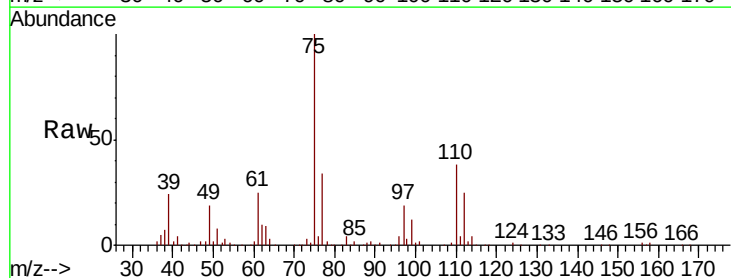
Acq: 03 Oct 2018 15:46

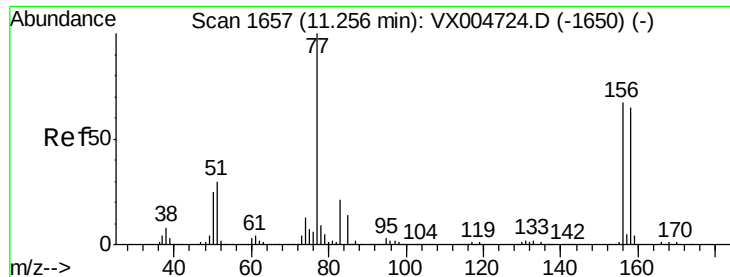
Tgt Ion: 75 Resp: 122000

Ion Ratio Lower Upper

75 100

77 33.5 21.4 64.3





#77

Bromobenzene

Concen: 20.712 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

VX1004WBS01

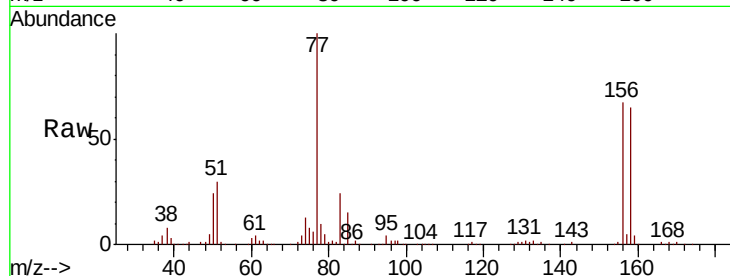
Tot Ion:156 Resp: 82406

Ion Ratio Lower Upper

156 100

77 147.2 73.4 220.2

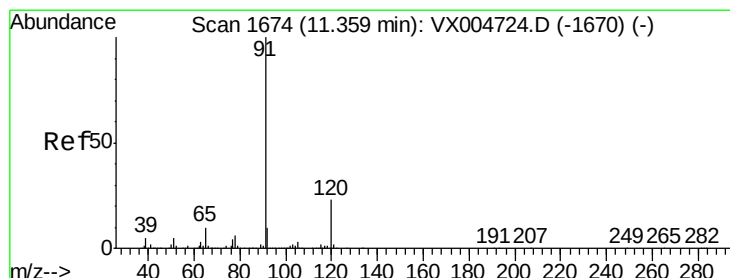
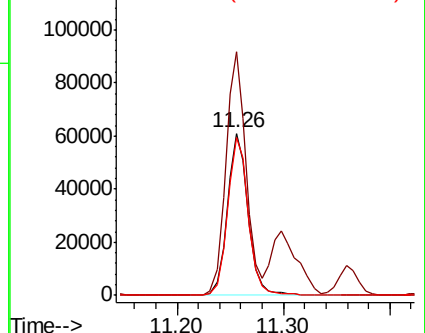
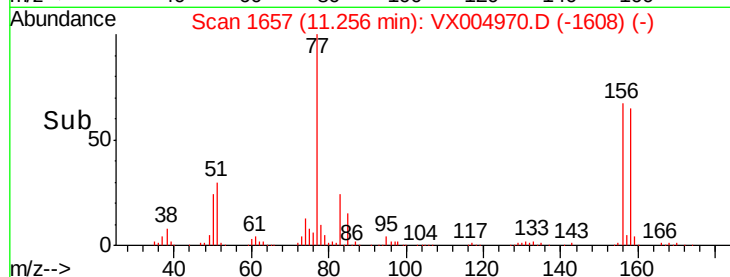
158 97.5 49.1 147.4



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: 22.626 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004970.D

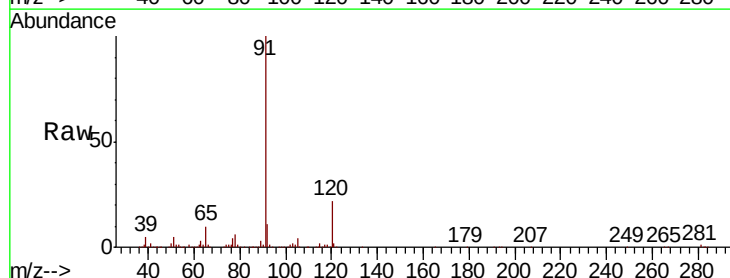
Acq: 03 Oct 2018 15:46

Tgt Ion: 91 Resp: 355606

Ion Ratio Lower Upper

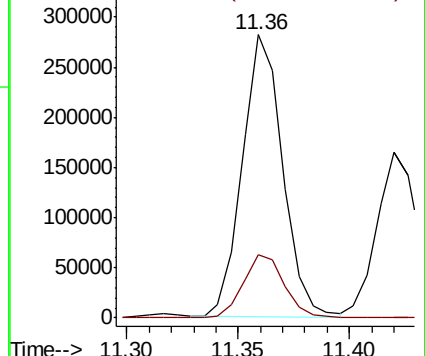
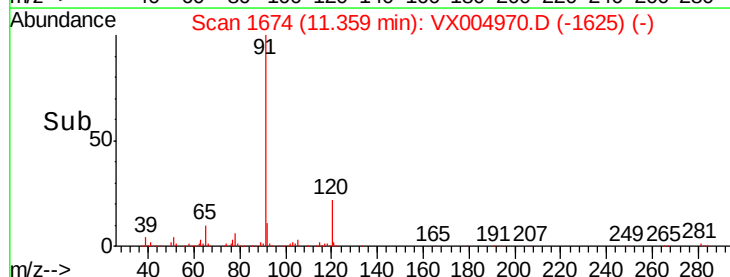
91 100

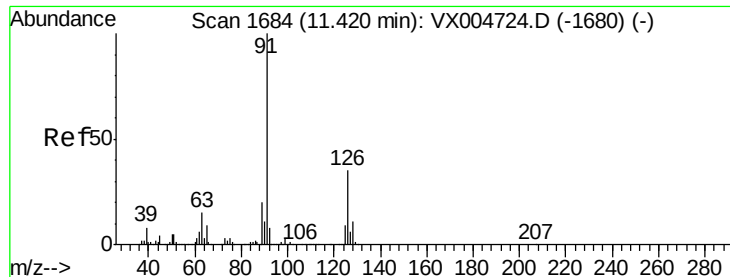
120 23.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.663 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

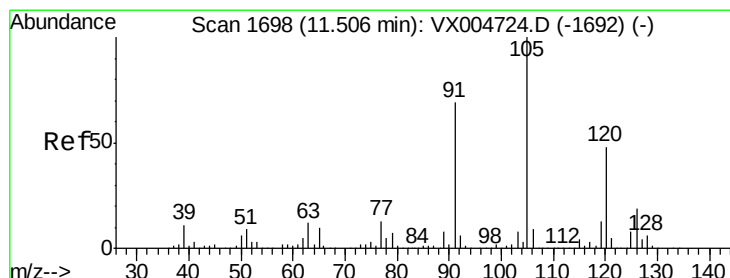
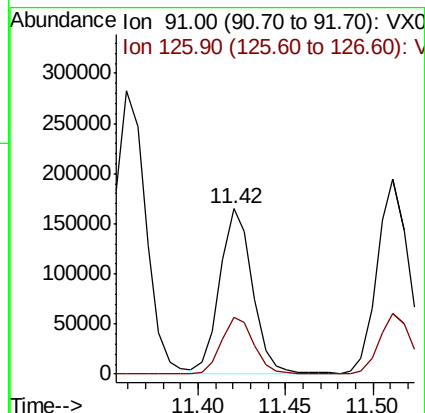
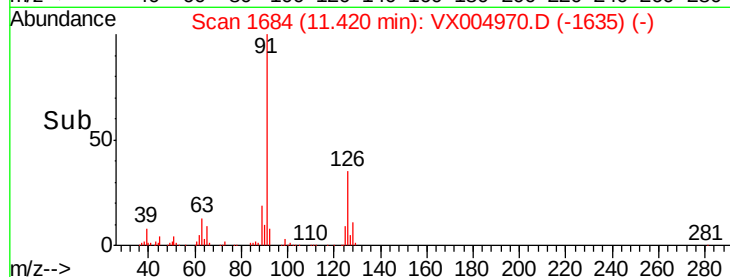
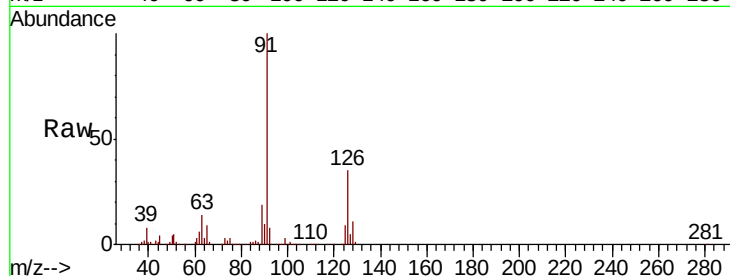
VX1004WBS01

Tot Ion: 91 Resp: 212222

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 20.564 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004970.D

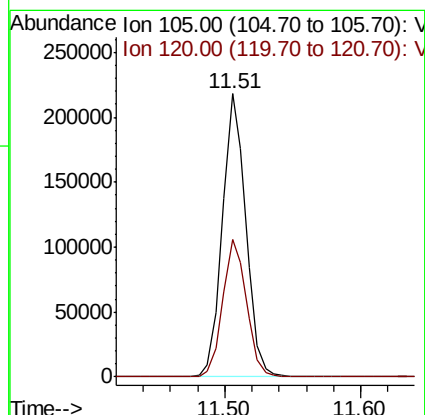
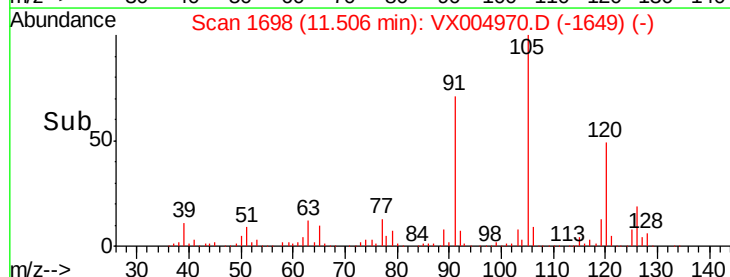
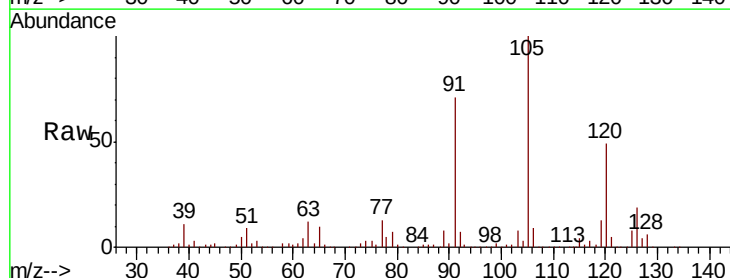
Acq: 03 Oct 2018 15:46

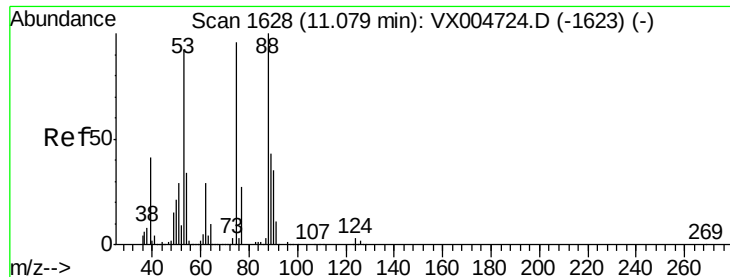
Tgt Ion: 105 Resp: 259637

Ion Ratio Lower Upper

105 100

120 49.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.524 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampled :

VX1004WBS01

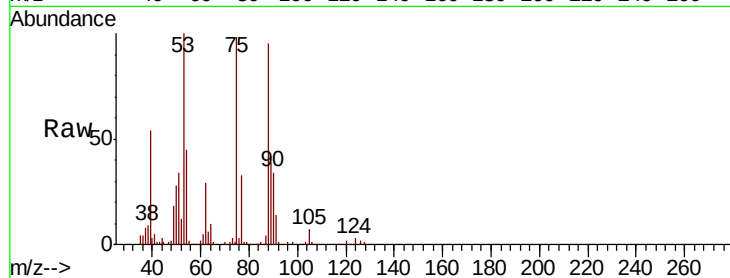
Tot Ion: 75 Resp: 28896

Ion Ratio Lower Upper

75 100

53 103.0 80.2 120.4

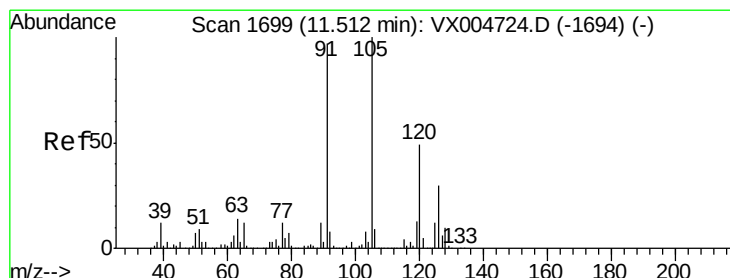
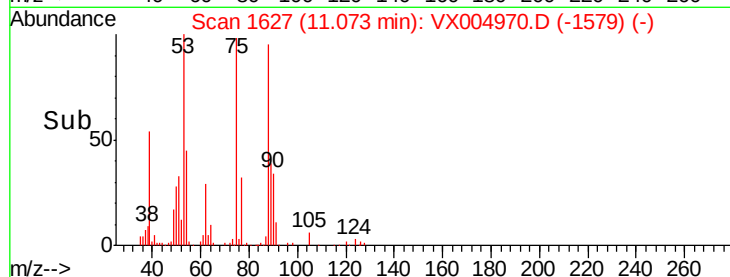
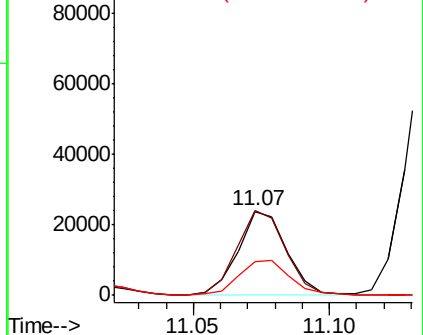
89 45.3 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.625 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004970.D

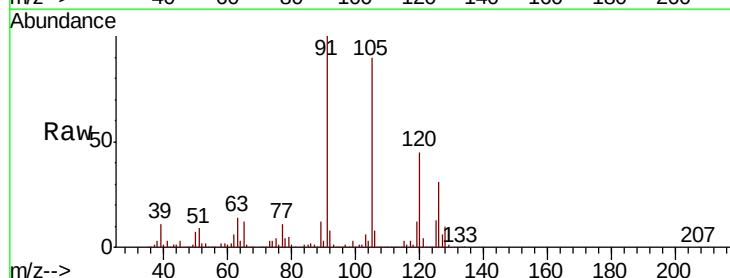
Acq: 03 Oct 2018 15:46

Tgt Ion: 91 Resp: 249362

Ion Ratio Lower Upper

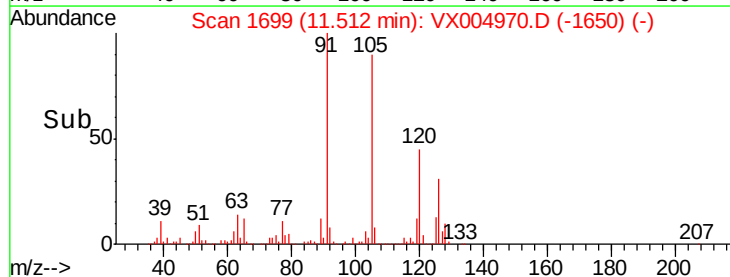
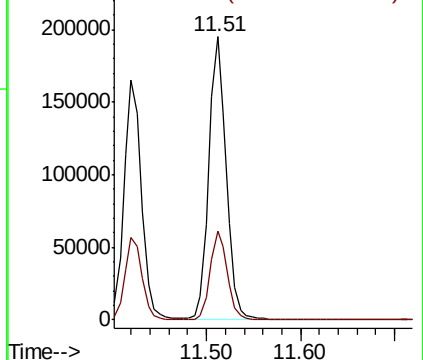
91 100

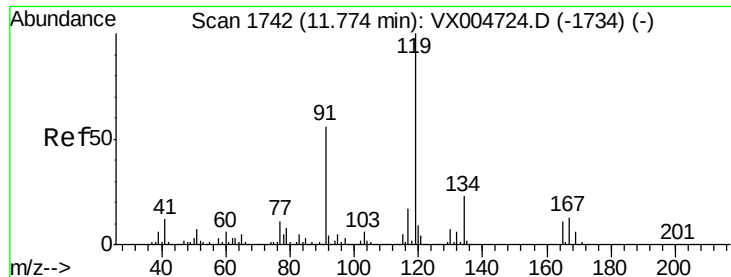
126 30.9 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

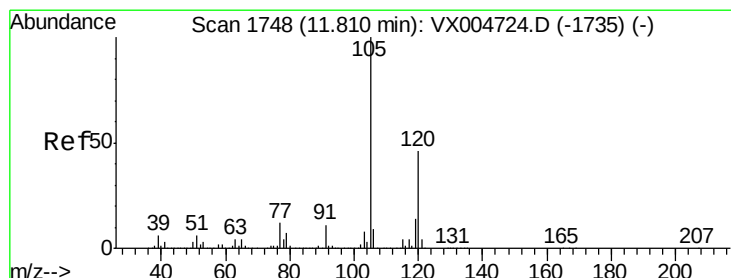
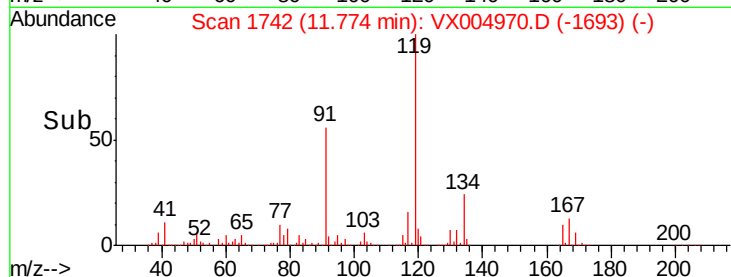
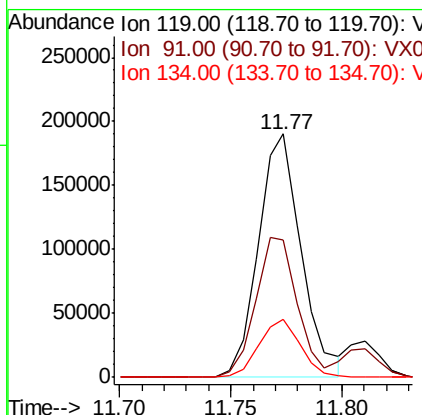
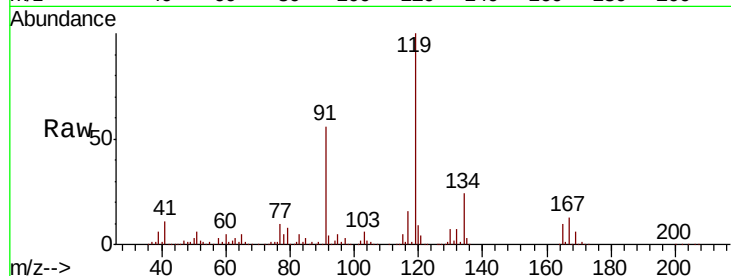




#83  
 tert-Butylbenzene  
 Concen: 22.625 ug/l  
 RT: 11.77 min Scan# 1742  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

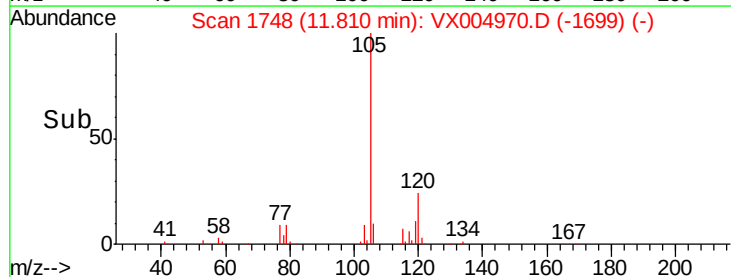
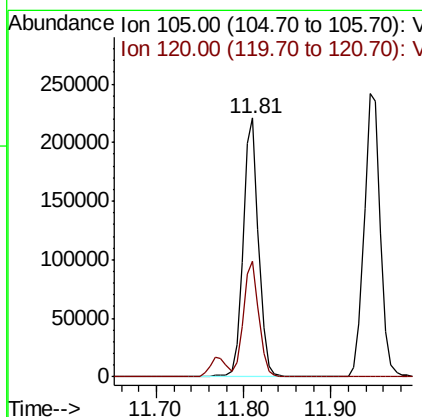
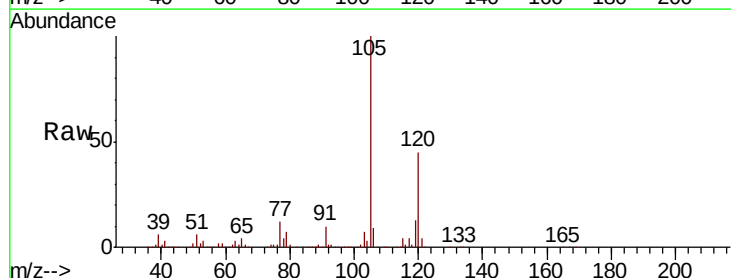
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1004WBS01

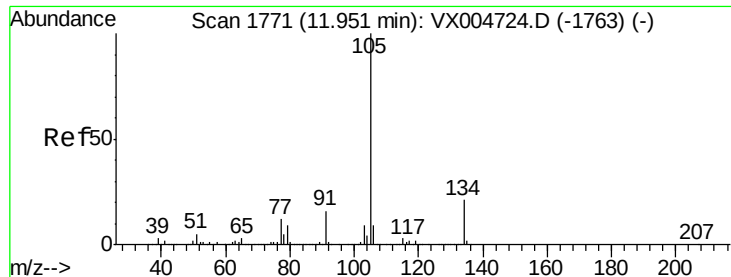
Tot Ion:119 Resp: 255167  
 Ion Ratio Lower Upper  
 119 100  
 91 55.7 27.5 82.5  
 134 23.2 11.5 34.4



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.758 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

Tgt Ion:105 Resp: 270257  
 Ion Ratio Lower Upper  
 105 100  
 120 44.7 22.8 68.3





#85

sec-Butylbenzene

Concen: 22.742 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampled :

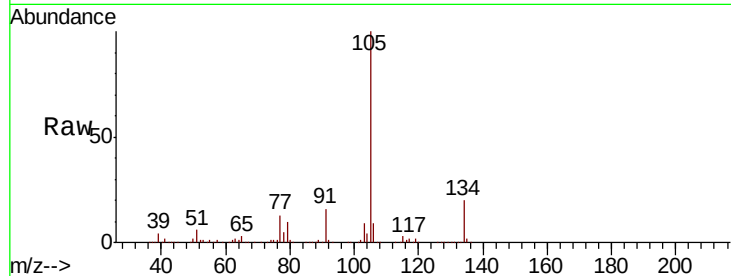
VX1004WBS01

Tot Ion:105 Resp: 312411

Ion Ratio Lower Upper

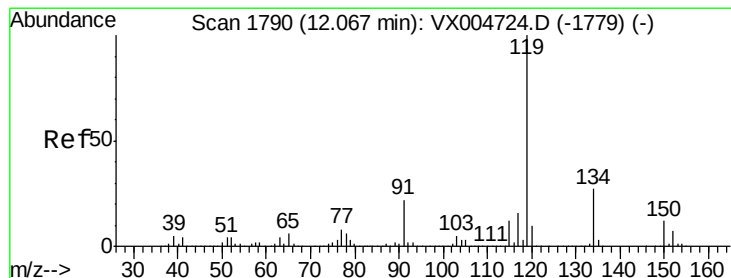
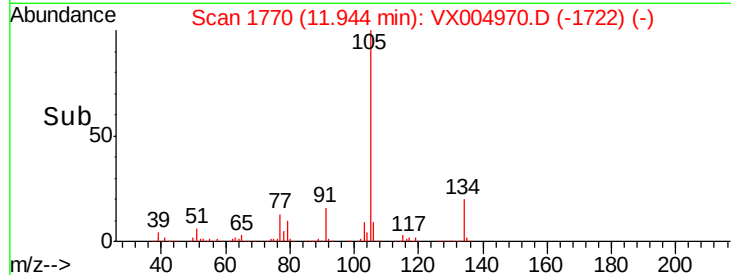
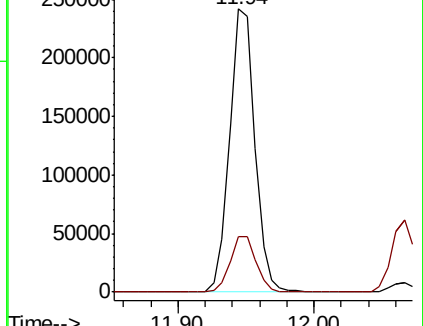
105 100

134 20.1 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.498 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

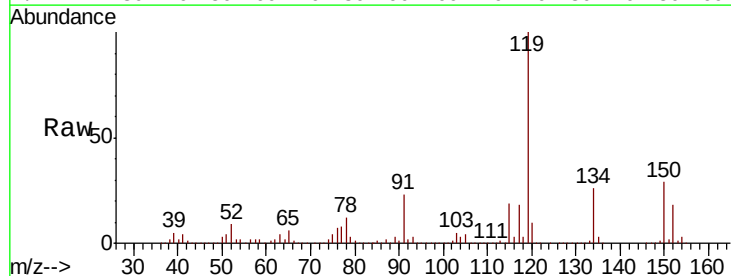
Tgt Ion:119 Resp: 280007

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

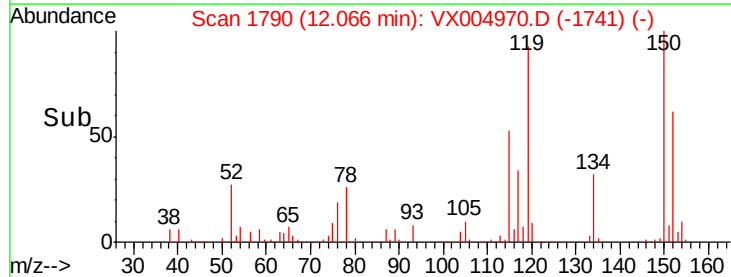
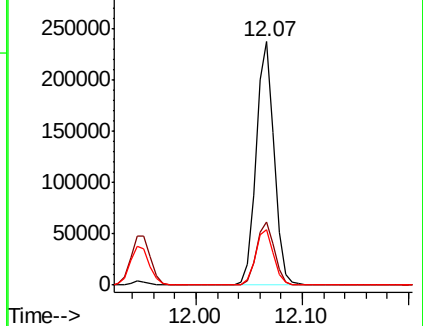
91 23.0 11.5 34.4

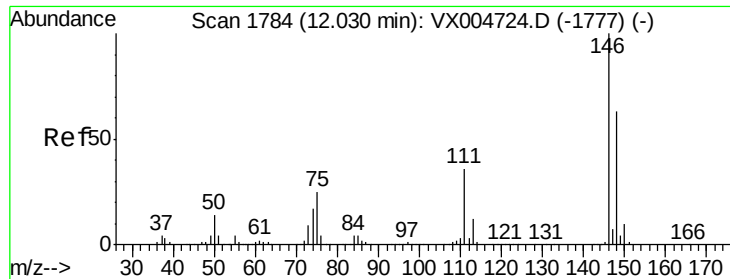


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

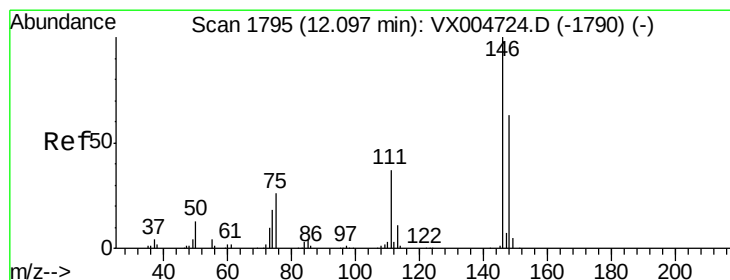
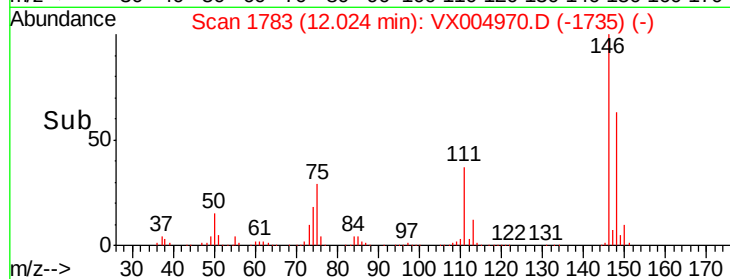
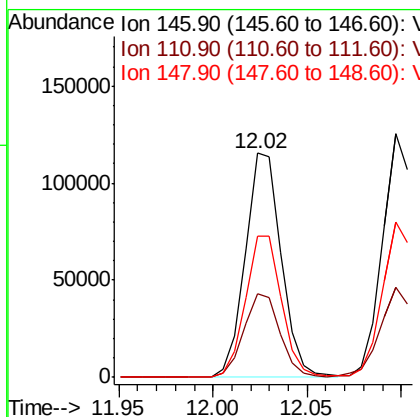
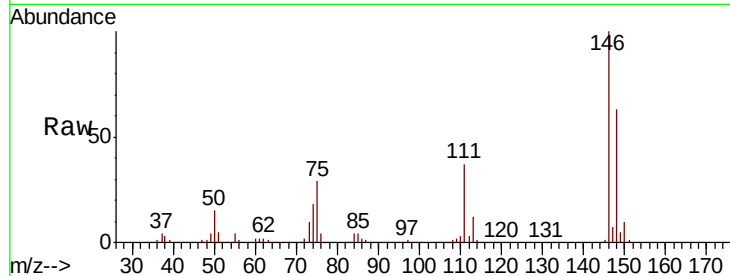




#87  
 1,3-Dichlorobenzene  
 Concen: 20.622 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.01 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

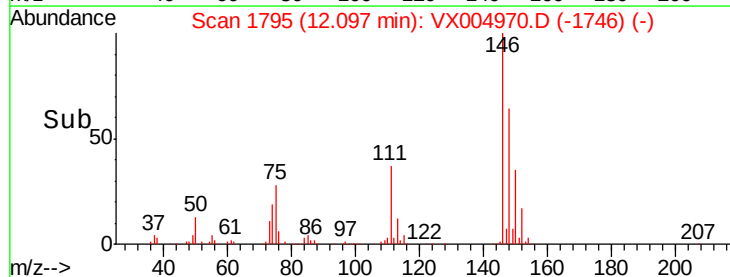
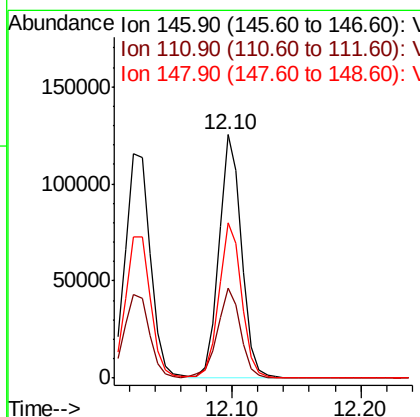
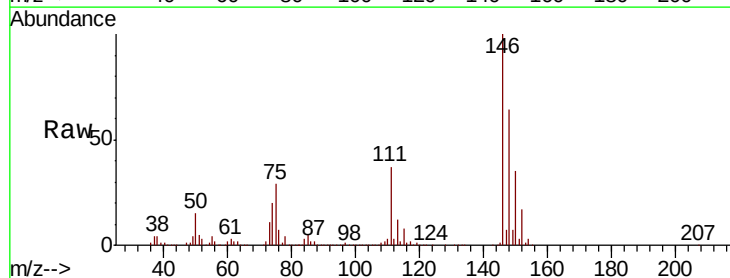
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1004WBS01

Tot Ion:146 Resp: 153205  
 Ion Ratio Lower Upper  
 146 100  
 111 37.6 18.9 56.9  
 148 63.3 31.8 95.3

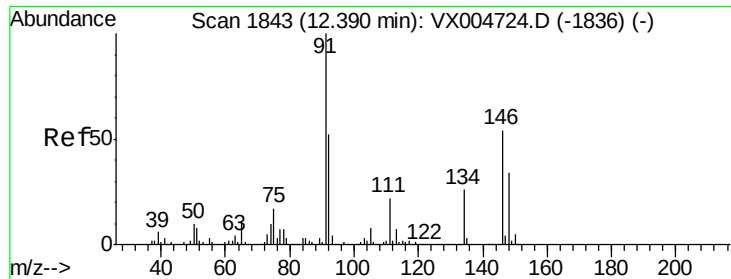


#88  
 1,4-Dichlorobenzene  
 Concen: 20.190 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

Tgt Ion:146 Resp: 154838  
 Ion Ratio Lower Upper  
 146 100  
 111 38.0 18.4 55.2  
 148 64.1 32.0 96.0



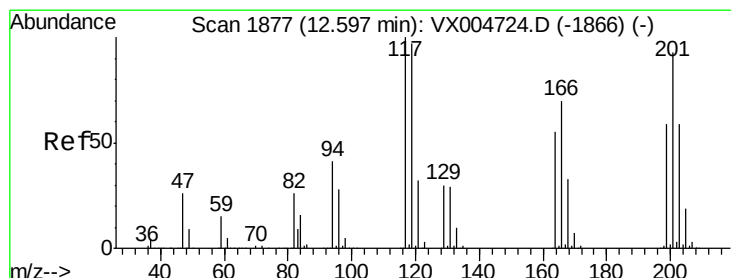
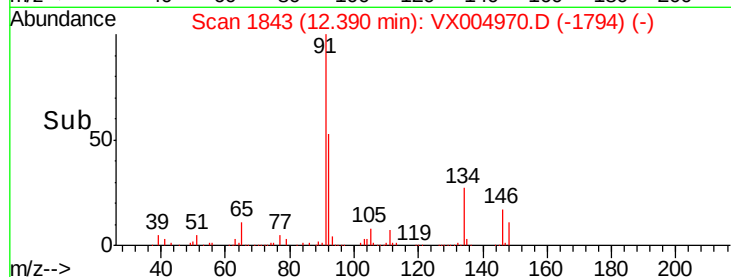
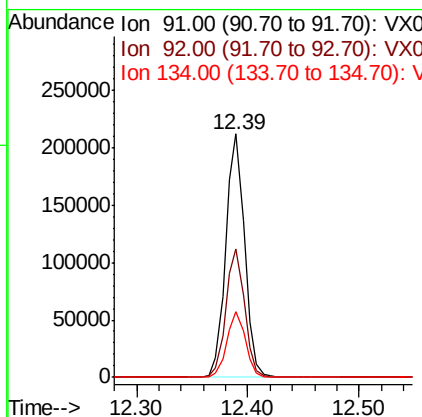
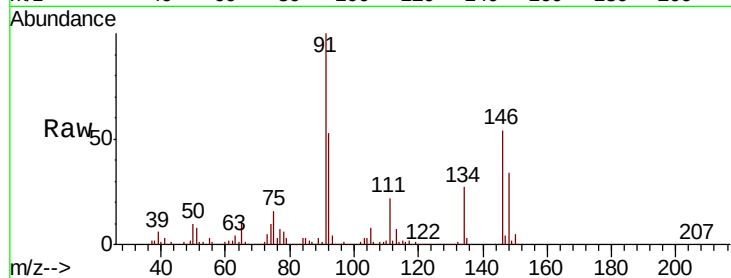




#89  
n-Butylbenzene  
Concen: 21.880 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

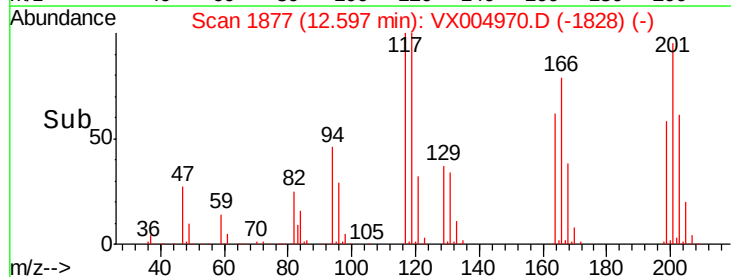
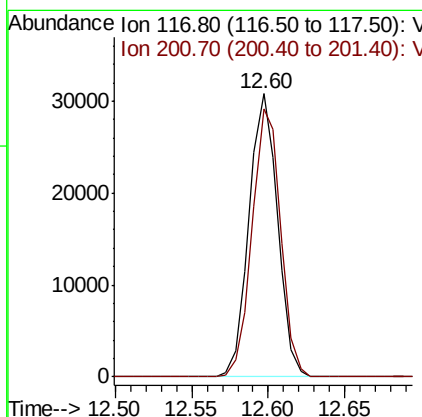
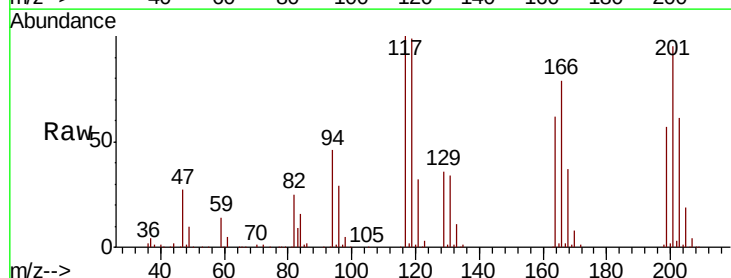
Instrument :  
MSVOA\_X  
ClientSampled :  
VX1004WBS01

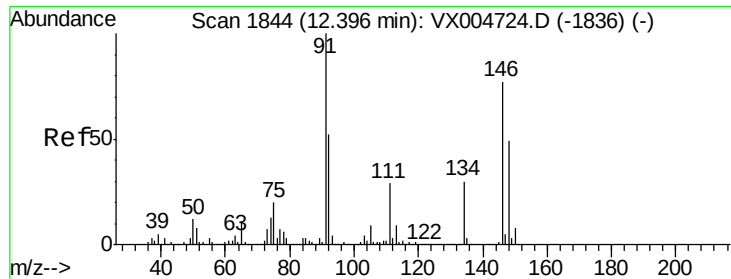
Tot Ion: 91 Resp: 247307  
Ion Ratio Lower Upper  
91 100  
92 52.2 26.0 78.0  
134 26.6 13.2 39.6



#90  
Hexachloroethane  
Concen: 19.326 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX004970.D  
Acq: 03 Oct 2018 15:46

Tgt Ion: 117 Resp: 40046  
Ion Ratio Lower Upper  
117 100  
201 94.6 48.4 145.0

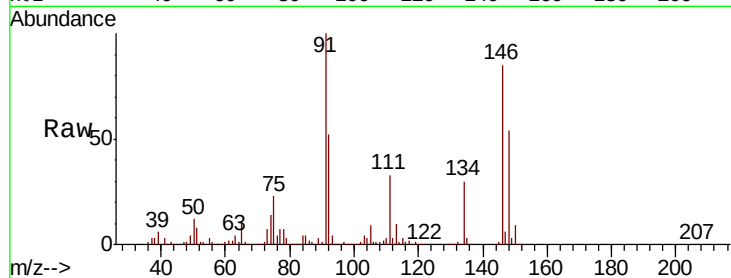




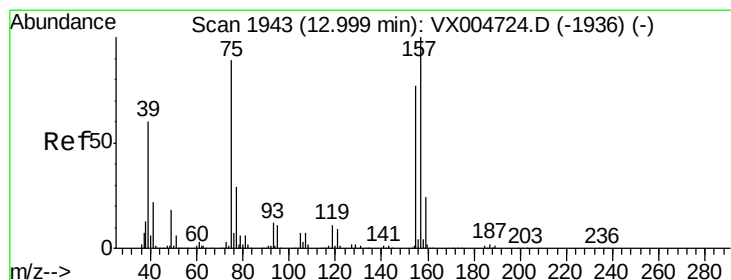
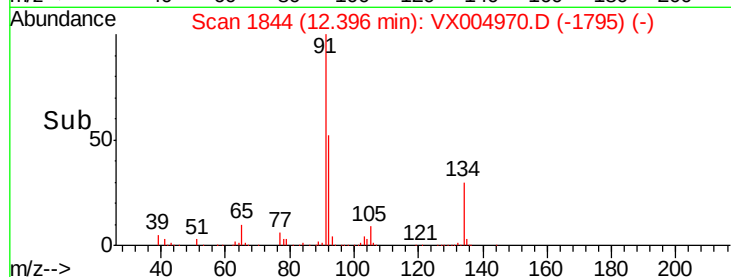
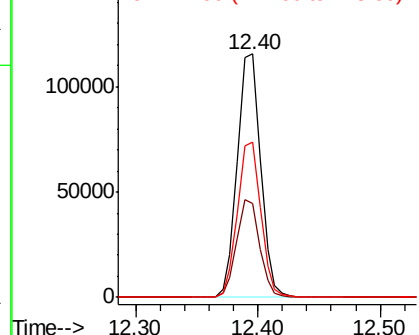
#91  
 1,2-Dichlorobenzene  
 Concen: 19.593 ug/l  
 RT: 12.40 min Scan# 1844  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1004WBS01

Tot Ion:146 Resp: 152121  
 Ion Ratio Lower Upper  
 146 100  
 111 39.7 19.6 58.7  
 148 63.9 31.8 95.4

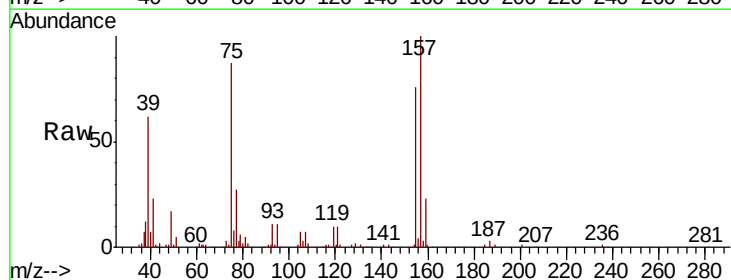


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

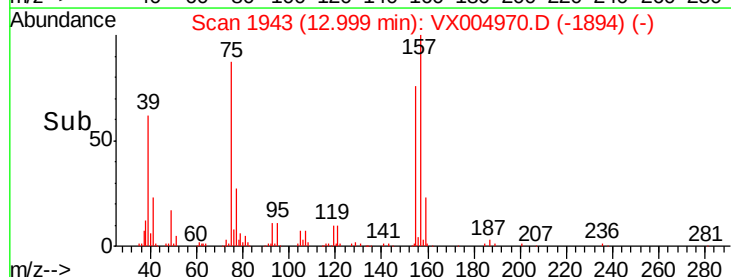
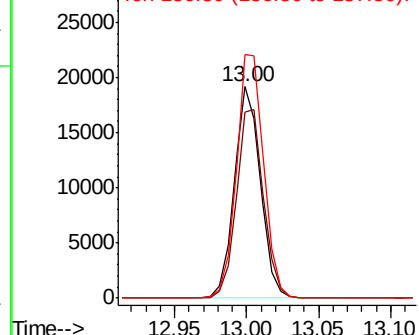


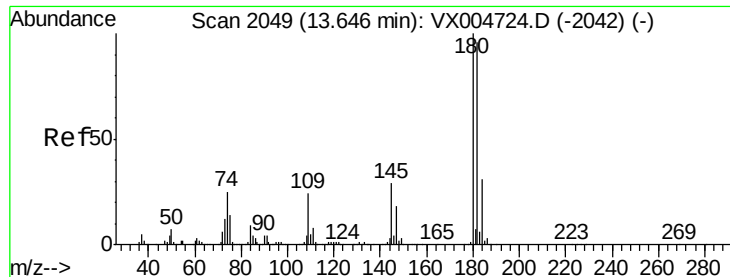
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.922 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

Tgt Ion: 75 Resp: 24391  
 Ion Ratio Lower Upper  
 75 100  
 155 92.2 46.1 138.3  
 157 119.7 60.2 180.6



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

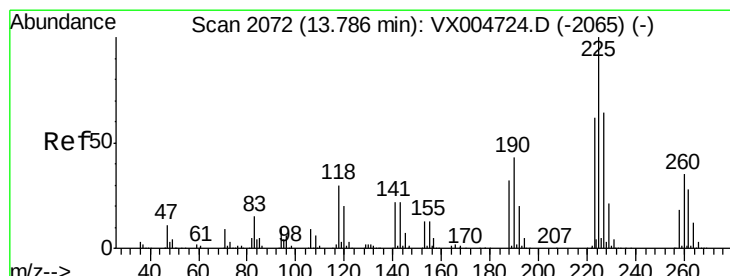
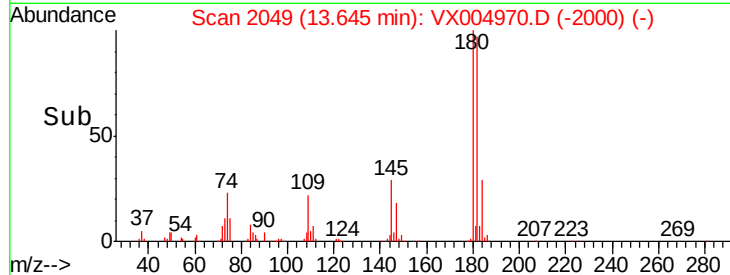
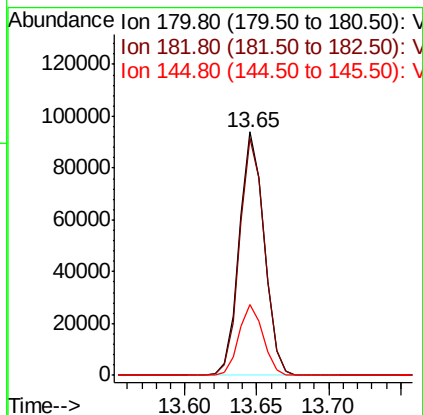
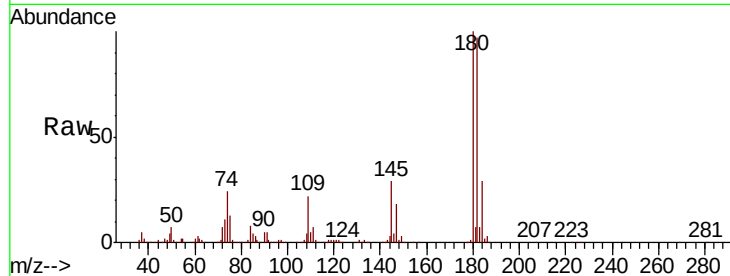




#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.718 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

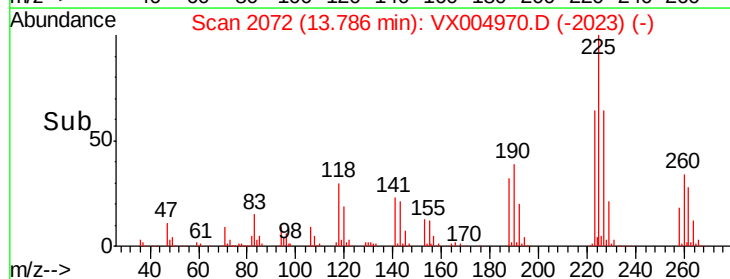
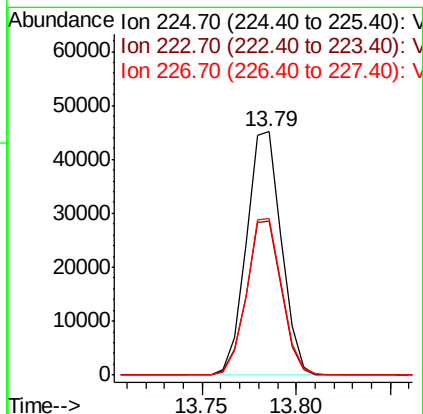
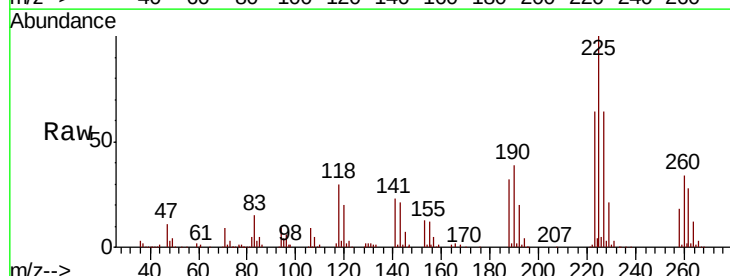
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1004WBS01

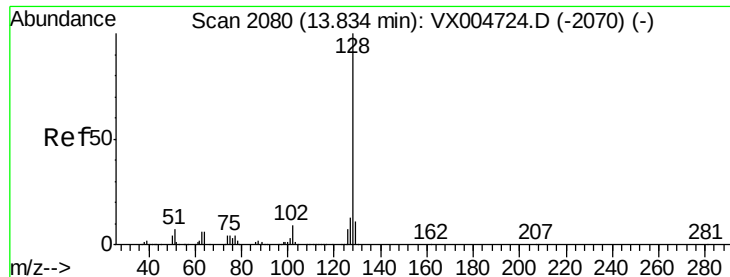
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.5  | 47.8  | 143.4 |
| 145     | 28.1  | 14.1  | 42.4  |



#94  
 Hexachlorobutadiene  
 Concen: 20.589 ug/l  
 RT: 13.79 min Scan# 2072  
 Delta R.T. -0.00 min  
 Lab File: VX004970.D  
 Acq: 03 Oct 2018 15:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.4  | 31.3  | 93.8  |
| 227     | 64.4  | 31.9  | 95.5  |





#95

Naphthalene

Concen: 20.014 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

Instrument :

MSVOA\_X

ClientSampleId :

VX1004WBS01

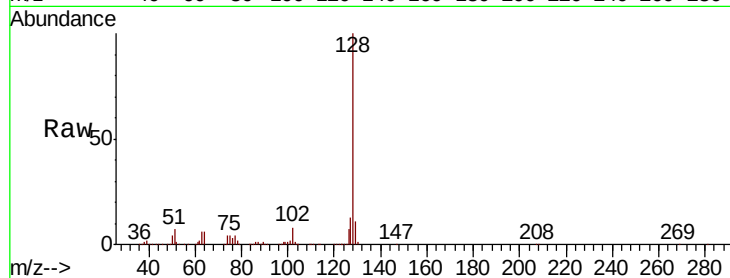
Tot Ion:128 Resp: 353879

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

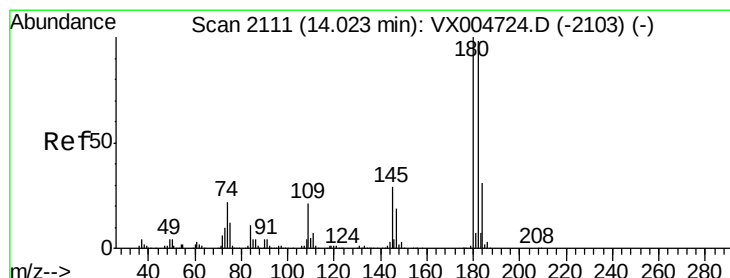
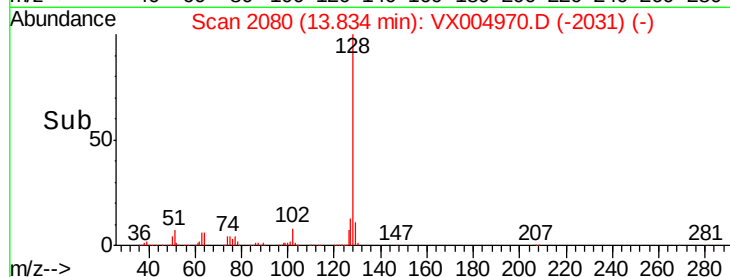
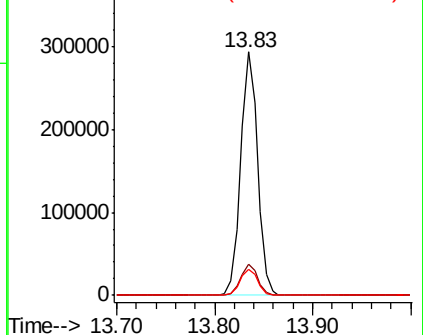
129 10.9 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 20.680 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004970.D

Acq: 03 Oct 2018 15:46

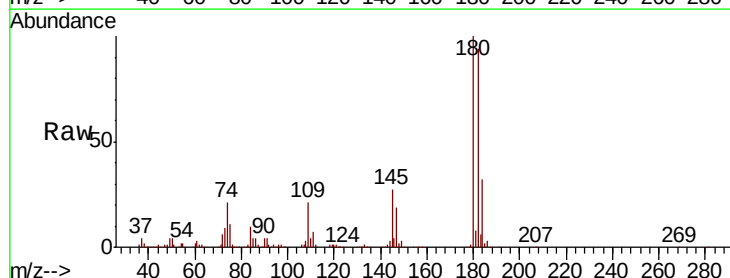
Tgt Ion:180 Resp: 116350

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.8

145 29.4 15.0 45.0



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

