

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX011419\  
 Data File : VX007033.D  
 Acq On : 14 Jan 2019 12:30  
 Operator : JC/SP  
 Sample : VX0114WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0114WBS01

Quant Time: Jan 15 01:32:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 08 14:06:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 529669   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 785014   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 722309   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 362980   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 276984   | 50.04 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.08% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 253452   | 50.42 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.84% |      |
| 50) Toluene-d8            | 8.71   | 98  | 944122   | 51.31 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.62% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 338344   | 52.74 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.48% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 92009   | 21.153  | ug/l | 97     |
| 3) Chloromethane              | 1.33 | 50  | 106220  | 20.977  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.41 | 62  | 106844  | 19.616  | ug/l | 98     |
| 5) Bromomethane               | 1.64 | 94  | 111014  | 19.076  | ug/l | 100    |
| 6) Chloroethane               | 1.72 | 64  | 71188   | 18.718  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 173181  | 19.678  | ug/l | 96     |
| 8) Diethyl Ether              | 2.19 | 74  | 66044   | 18.862  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 100261  | 19.028  | ug/l | 98     |
| 10) Methyl Iodide             | 2.51 | 142 | 148243  | 20.857  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.07 | 59  | 134357  | 102.894 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 93865   | 19.282  | ug/l | 93     |
| 13) Acrolein                  | 2.30 | 56  | 53413   | 96.758  | ug/l | 97     |
| 14) Allyl chloride            | 2.73 | 41  | 165611  | 19.850  | ug/l | 99     |
| 15) Acrylonitrile             | 3.15 | 53  | 302215  | 100.819 | ug/l | 99     |
| 16) Acetone                   | 2.45 | 43  | 263692  | 96.359  | ug/l | 100    |
| 17) Carbon Disulfide          | 2.57 | 76  | 217680  | 17.368  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 158473  | 19.997  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 333988  | 19.767  | ug/l | 99     |
| 20) Methylene Chloride        | 2.86 | 84  | 107256  | 20.270  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 98624   | 18.180  | ug/l | 95     |
| 22) Diisopropyl ether         | 3.87 | 45  | 306431  | 19.537  | ug/l | 97     |
| 23) Vinyl Acetate             | 3.82 | 43  | 1271331 | 96.115  | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 168770  | 19.243  | ug/l | 99     |
| 25) 2-Butanone                | 4.70 | 43  | 392479  | 100.234 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 127957  | 18.973  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 113693  | 19.000  | ug/l | 98     |
| 28) Bromochloromethane        | 5.02 | 49  | 80026   | 20.826  | ug/l | 96     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 251289  | 98.751  | ug/l | 97     |
| 30) Chloroform                | 5.21 | 83  | 180483  | 19.655  | ug/l | 97     |
| 31) Cyclohexane               | 5.57 | 56  | 149404  | 19.140  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 149704  | 19.234  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 128726  | 18.861  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.85 | 43  | 146507  | 20.023  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 130438  | 18.995  | ug/l | 96     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\WX011419\  
 Data File : VX007033.D  
 Acq On : 14 Jan 2019 12:30  
 Operator : JC/SP  
 Sample : VX0114WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0114WBS01

Quant Time: Jan 15 01:32:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 08 14:06:59 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 164142   | 18.865  | ug/l  | 96       |
| 40) Benzene                    | 6.14  | 78   | 397180   | 19.072  | ug/l  | 99       |
| 41) Methacrylonitrile          | 5.06  | 41   | 77819    | 18.461  | ug/l  | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 136522   | 18.971  | ug/l  | 100      |
| 43) Isopropyl Acetate          | 6.46  | 43   | 224139   | 19.420  | ug/l  | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 116022   | 18.592  | ug/l  | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 100808   | 19.254  | ug/l  | 96       |
| 46) Dibromomethane             | 7.66  | 93   | 71682    | 19.481  | ug/l  | 98       |
| 47) Bromodichloromethane       | 7.90  | 83   | 119527   | 19.084  | ug/l  | 95       |
| 48) Methyl methacrylate        | 7.77  | 41   | 115354   | 19.462  | ug/l  | 96       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 55081    | 401.799 | ug/l  | 96       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 762847   | 102.846 | ug/l  | 99       |
| 52) Toluene                    | 8.79  | 92   | 262201   | 19.589  | ug/l  | 98       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 131597   | 18.948  | ug/l  | 95       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 147781   | 19.268  | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 109760   | 20.487  | ug/l  | 99       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 160144   | 20.475  | ug/l  | 97       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 173806   | 19.802  | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 403610   | 100.365 | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 581842   | 102.936 | ug/l  | 98       |
| 60) Dibromochloromethane       | 9.59  | 129  | 104084   | 20.007  | ug/l  | 97       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 115442   | 19.573  | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 118620   | 18.968  | ug/l  | 97       |
| 65) Chlorobenzene              | 10.14 | 112  | 301035   | 19.109  | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 104701   | 19.756  | ug/l  | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 498741   | 19.177  | ug/l  | 100      |
| 68) m/p-Xylenes                | 10.36 | 106  | 393061   | 38.360  | ug/l  | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 194360   | 19.449  | ug/l  | 98       |
| 70) Styrene                    | 10.71 | 104  | 310730   | 19.633  | ug/l  | 99       |
| 71) Bromoform                  | 10.86 | 173  | 75131    | 19.075  | ug/l  | 98       |
| 73) Isopropylbenzene           | 11.02 | 105  | 514761   | 20.112  | ug/l  | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 202204   | 19.622  | ug/l  | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 162386   | 19.984  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 176477   | 23.992  | ug/l  | 90       |
| 77) Bromobenzene               | 11.26 | 156  | 140451   | 19.915  | ug/l  | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 566649   | 20.167  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 337401   | 19.948  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 421293   | 19.699  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 38904    | 18.536  | ug/l  | 91       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 385984   | 19.710  | ug/l  | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 415125   | 19.455  | ug/l  | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 435343   | 20.243  | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 508756   | 19.964  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 450268   | 19.754  | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 244574   | 19.187  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 247734   | 20.597  | ug/l  | 100      |
| 89) n-Butylbenzene             | 12.39 | 91   | 376174   | 19.359  | ug/l  | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 64767    | 19.671  | ug/l  | 98       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 240104   | 19.087  | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 31954    | 19.884  | ug/l  | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX011419\  
Data File : VX007033.D  
Acq On : 14 Jan 2019 12:30  
Operator : JC/SP  
Sample : VX0114WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

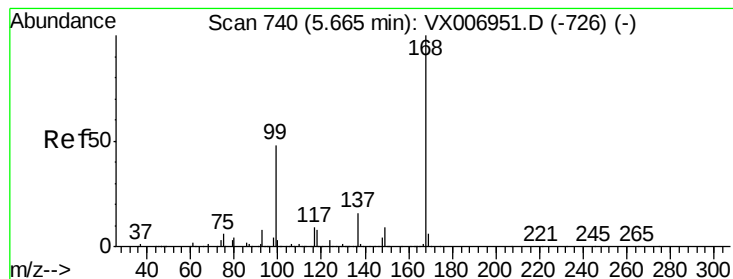
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBS01

Quant Time: Jan 15 01:32:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 08 14:06:59 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 165758   | 19.206 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 76190    | 19.893 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 509717   | 19.490 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 164867   | 19.230 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

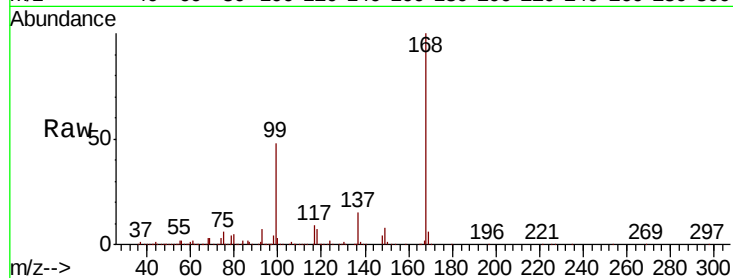
VX0114WBS01

Tgt Ion:168 Resp: 529669

Ion Ratio Lower Upper

168 100

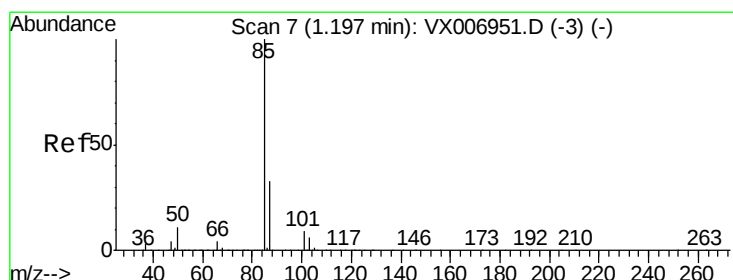
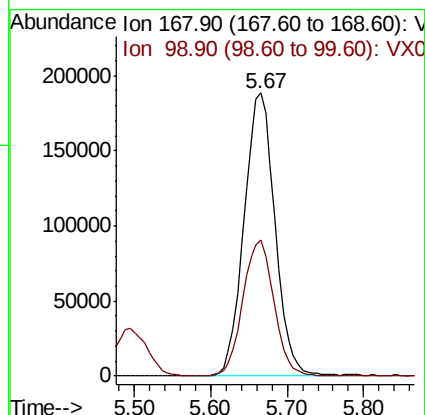
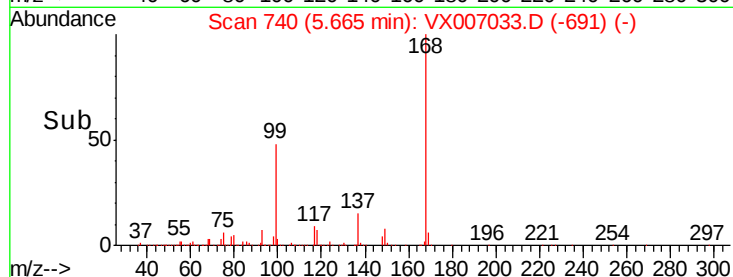
99 48.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006951.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX006951.D (-726) (-)

5.67



#2

Dichlorodifluoromethane

Concen: 21.153 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007033.D

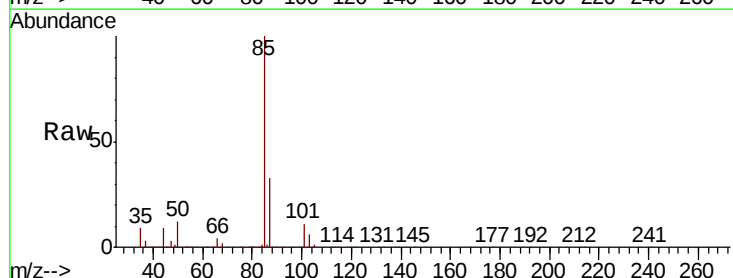
Acq: 14 Jan 2019 12:30

Tgt Ion: 85 Resp: 92009

Ion Ratio Lower Upper

85 100

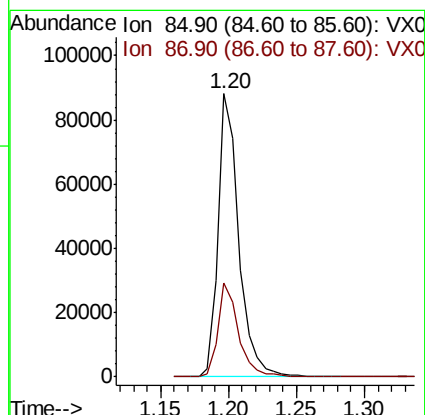
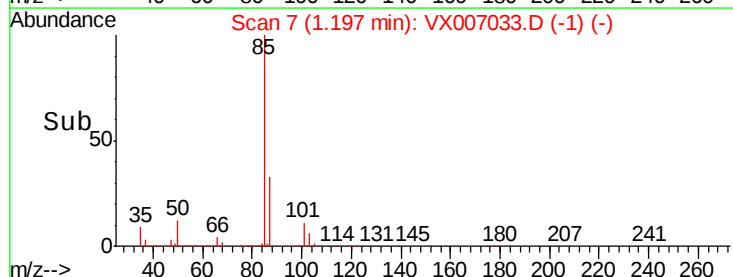
87 33.2 15.9 47.6

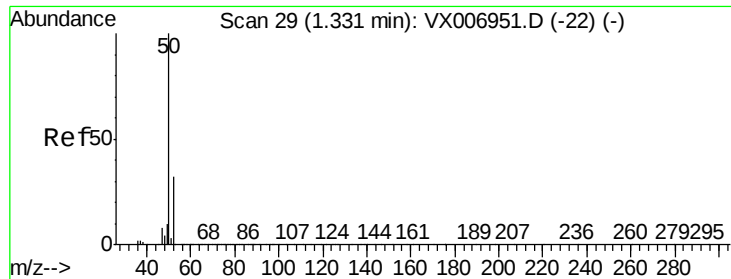


Abundance Ion 84.90 (84.60 to 85.60): VX006951.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX006951.D (-3) (-)

1.20





#3

Chloromethane

Concen: 20.977 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

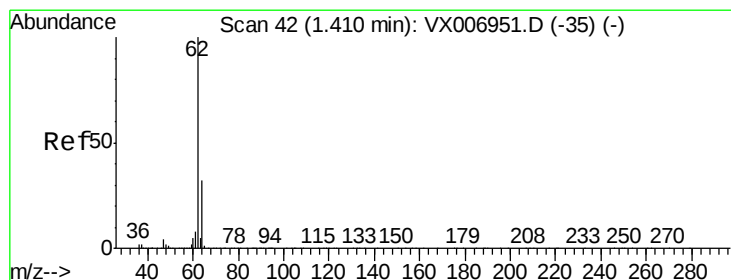
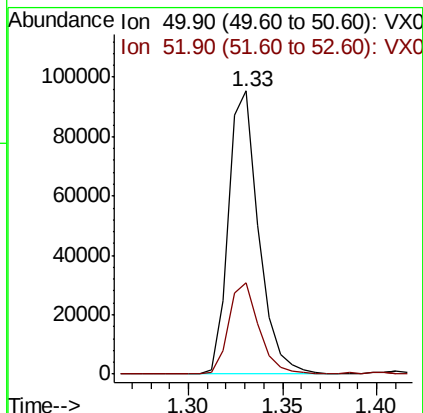
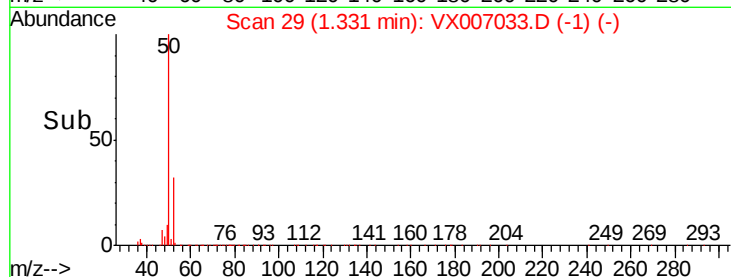
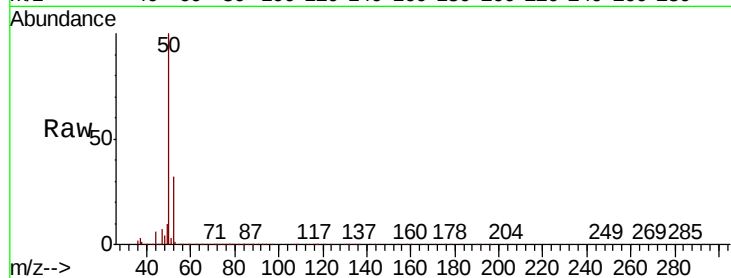
VX0114WBS01

Tgt Ion: 50 Resp: 106220

Ion Ratio Lower Upper

50 100

52 32.0 25.4 38.2



#4

Vinyl Chloride

Concen: 19.616 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007033.D

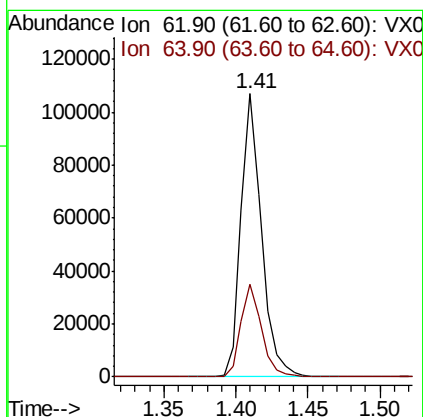
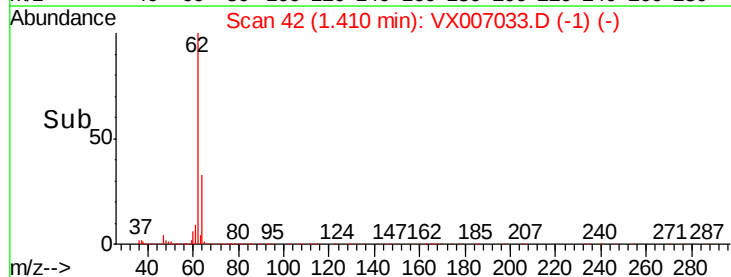
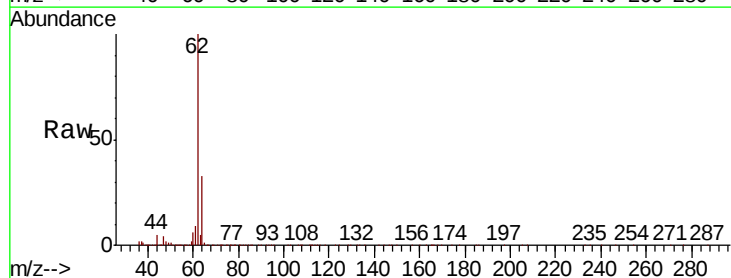
Acq: 14 Jan 2019 12:30

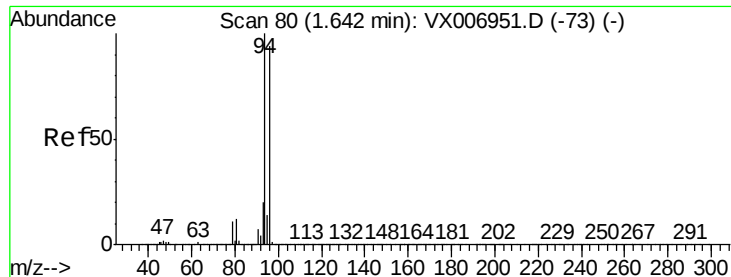
Tgt Ion: 62 Resp: 106844

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 19.076 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

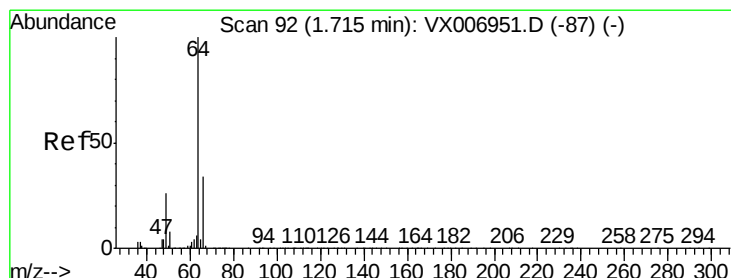
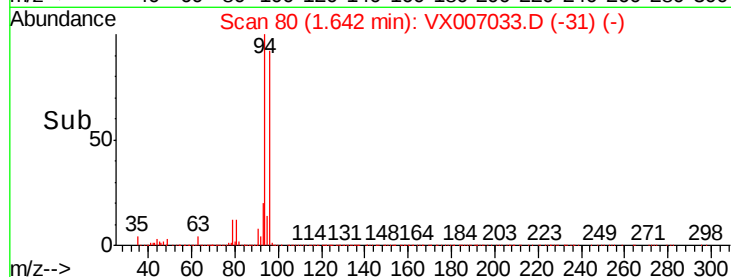
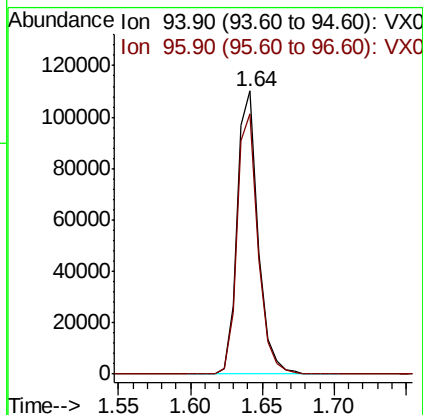
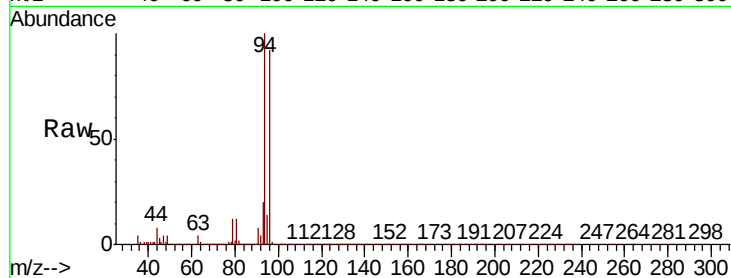
VX0114WBS01

Tgt Ion: 94 Resp: 111014

Ion Ratio Lower Upper

94 100

96 92.1 73.4 110.2



#6

Chloroethane

Concen: 18.718 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007033.D

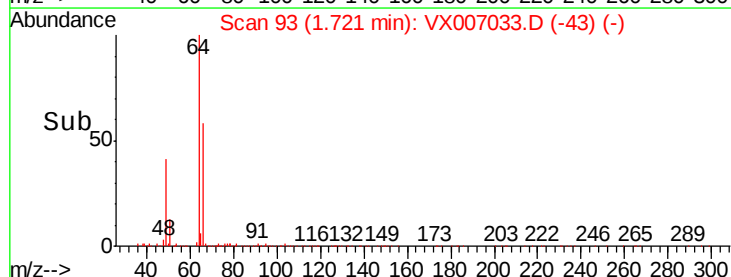
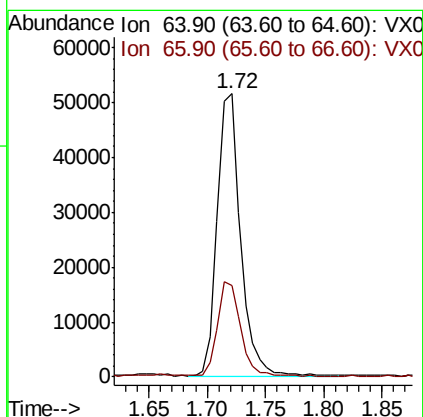
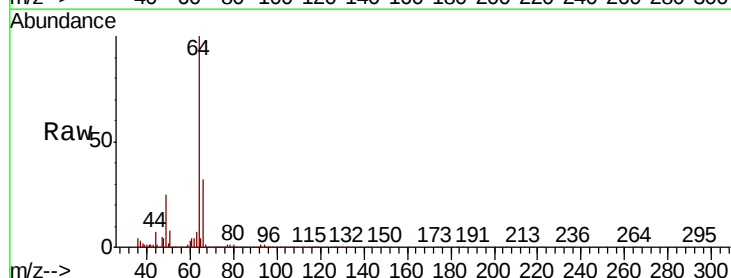
Acq: 14 Jan 2019 12:30

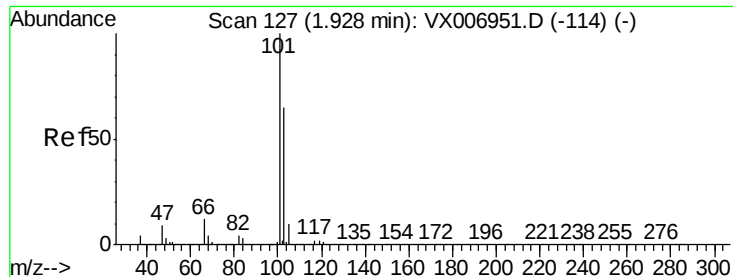
Tgt Ion: 64 Resp: 71188

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6



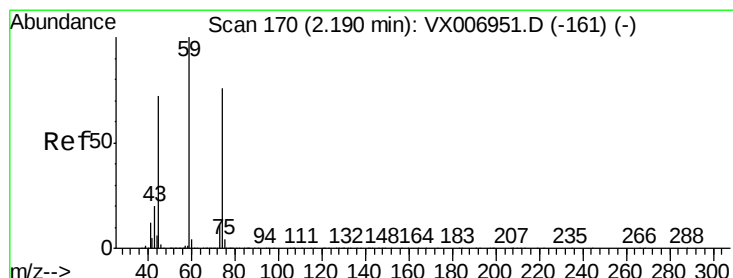
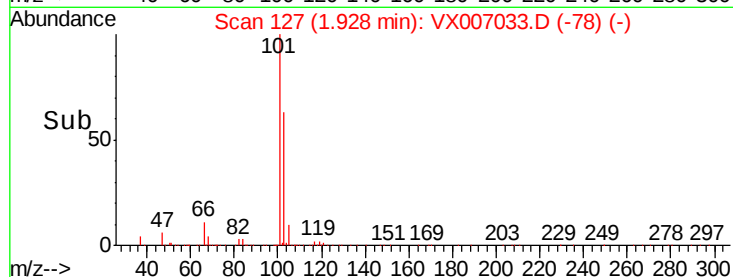
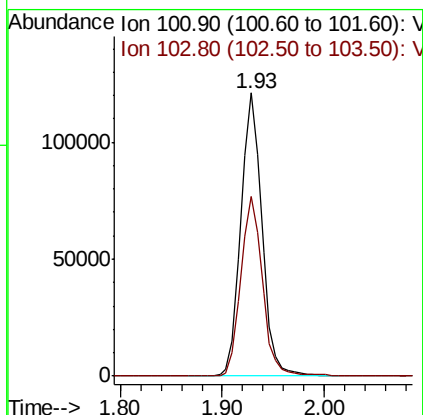
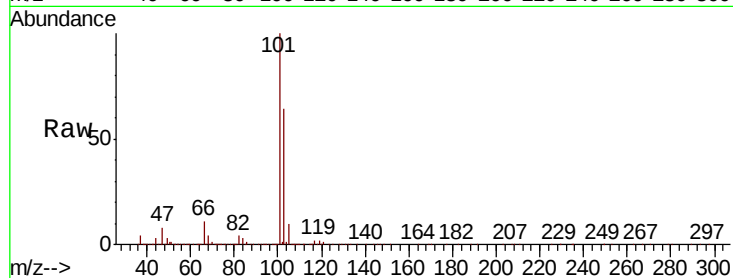


#7

Trichlorofluoromethane  
Concen: 19.678 ug/l  
RT: 1.93 min Scan# 127  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBS01

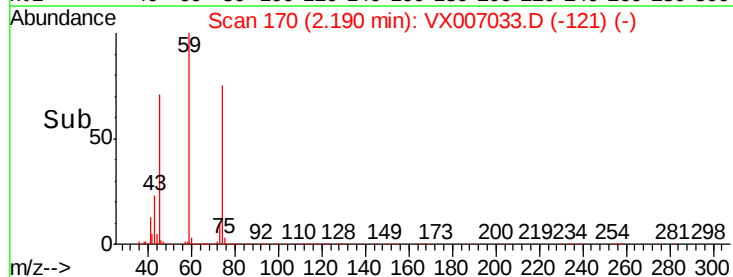
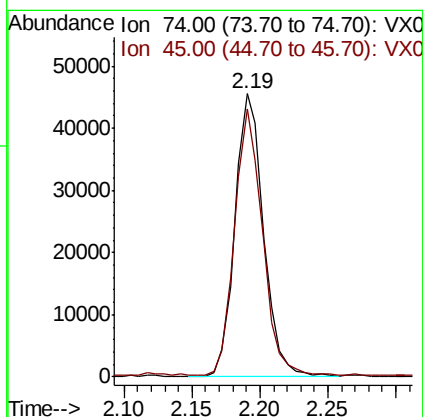
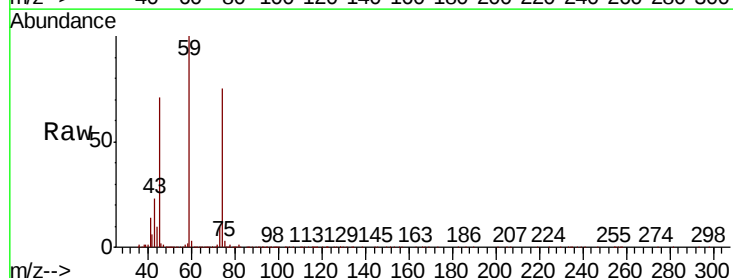
Tgt Ion:101 Resp: 173181  
Ion Ratio Lower Upper  
101 100  
103 63.4 53.2 79.8

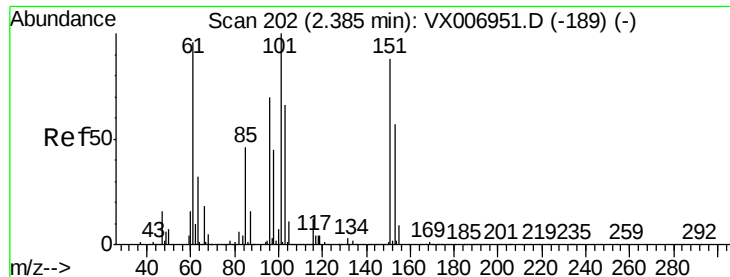


#8

Diethyl Ether  
Concen: 18.862 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Tgt Ion: 74 Resp: 66044  
Ion Ratio Lower Upper  
74 100  
45 92.6 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.028 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0114WBS01

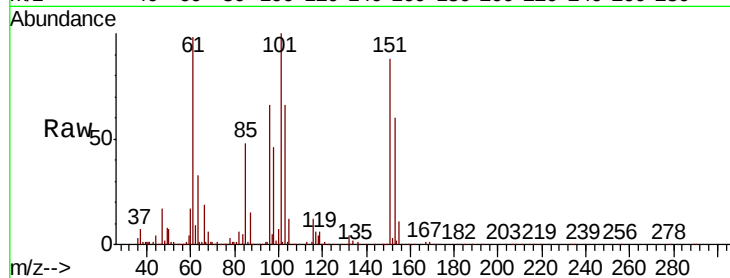
Tgt Ion:101 Resp: 100261

Ion Ratio Lower Upper

101 100

85 46.0 35.1 52.7

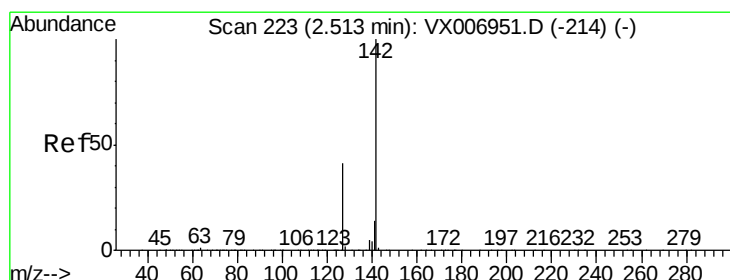
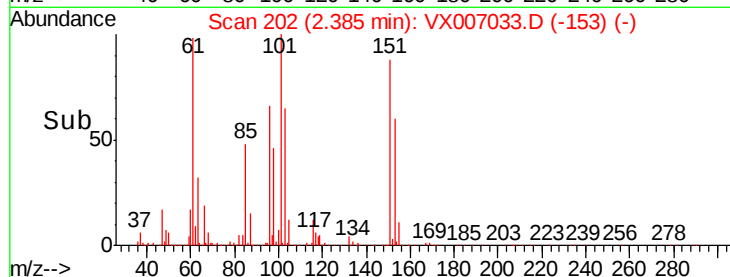
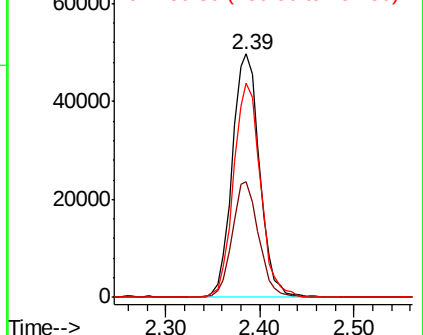
151 86.9 68.9 103.3



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: 20.857 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

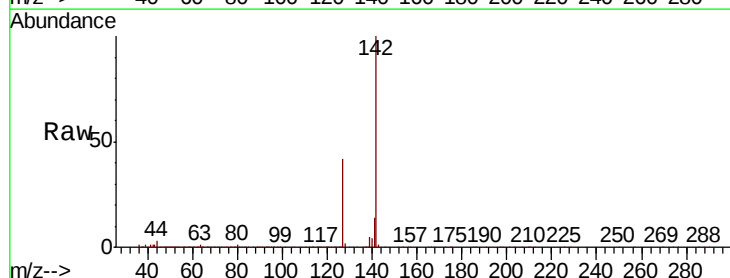
Tgt Ion:142 Resp: 148243

Ion Ratio Lower Upper

142 100

127 43.1 33.9 50.9

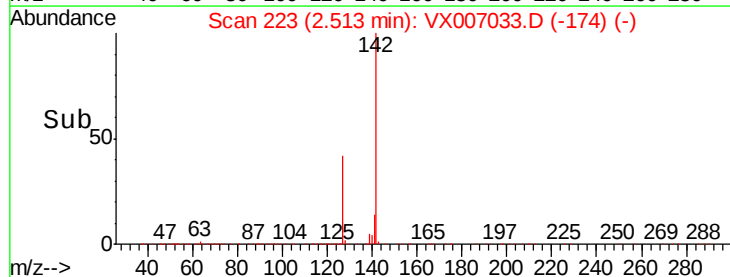
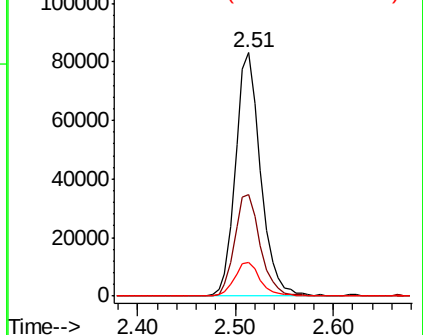
141 14.1 11.4 17.0

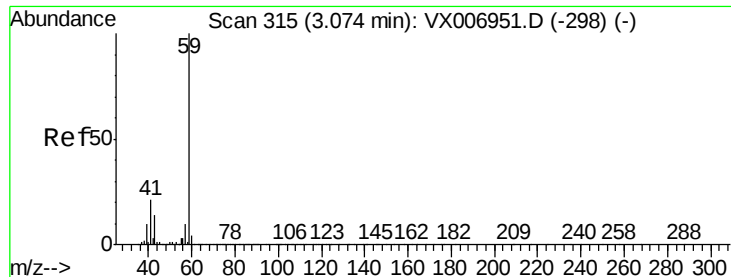


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



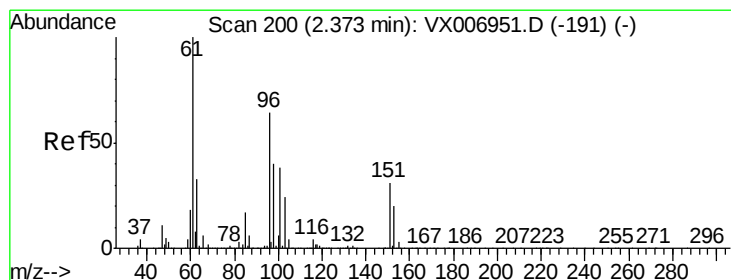
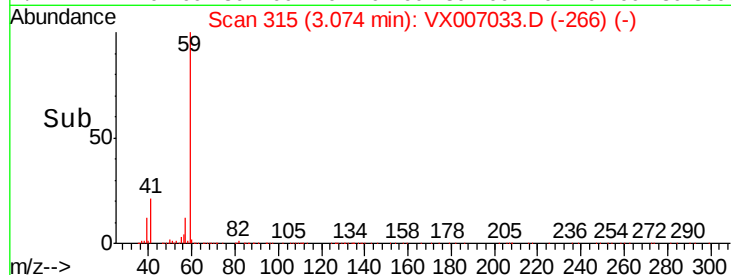
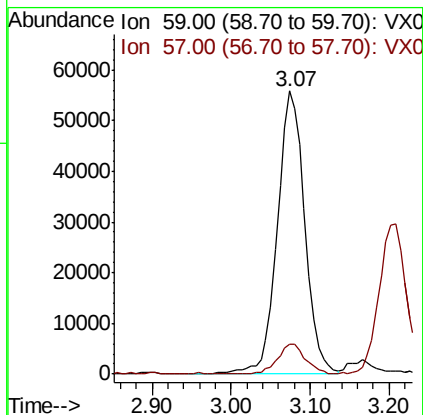
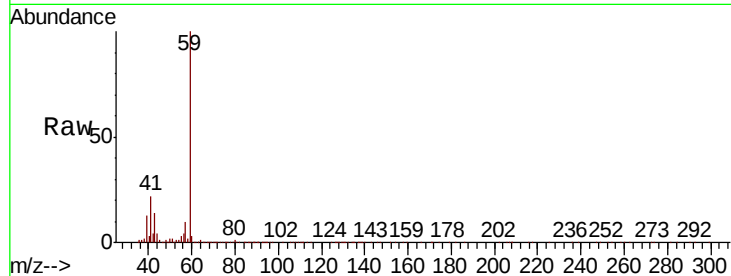


#11

Tert butyl alcohol  
 Concen: 102.894 ug/l  
 RT: 3.07 min Scan# 315  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0114WBS01

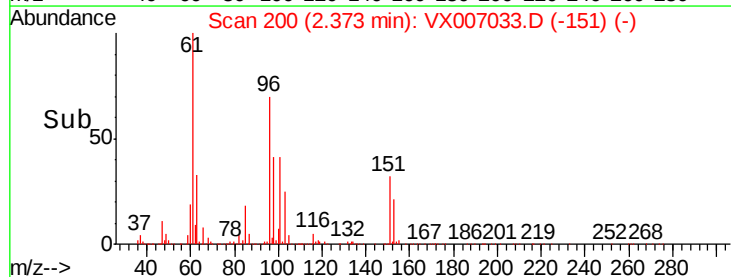
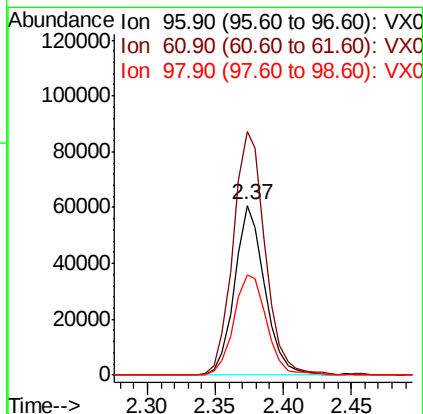
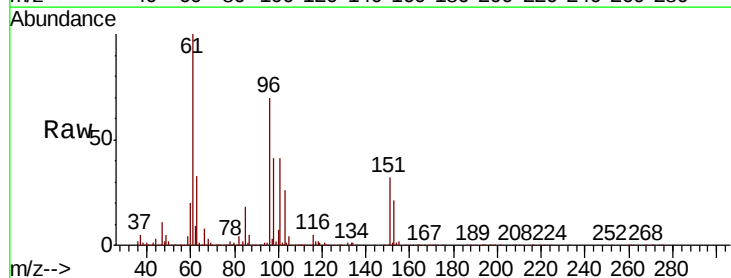
Tgt Ion: 59 Resp: 134357  
 Ion Ratio Lower Upper  
 59 100  
 57 11.0 8.5 12.7

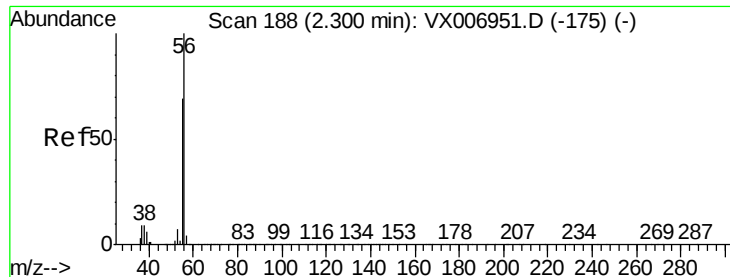


#12

1,1-Dichloroethene  
 Concen: 19.282 ug/l  
 RT: 2.37 min Scan# 200  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

Tgt Ion: 96 Resp: 93865  
 Ion Ratio Lower Upper  
 96 100  
 61 143.1 121.4 182.2  
 98 59.2 51.9 77.9





#13

Acrolein

Concen: 96.758 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

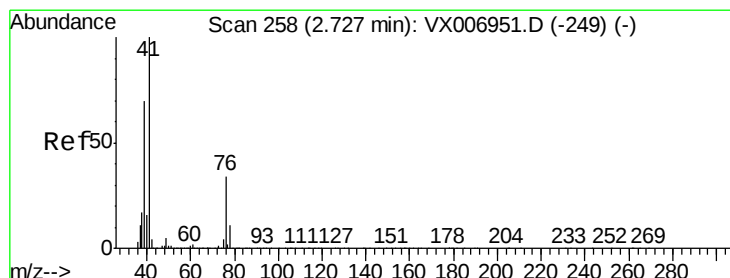
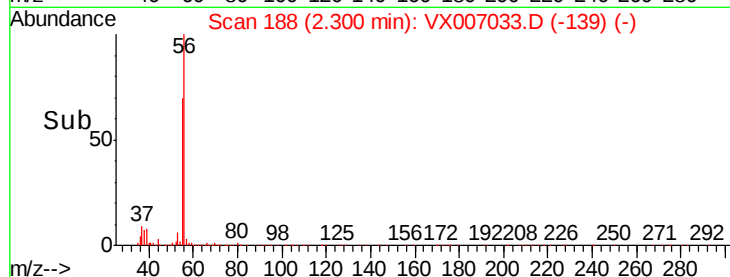
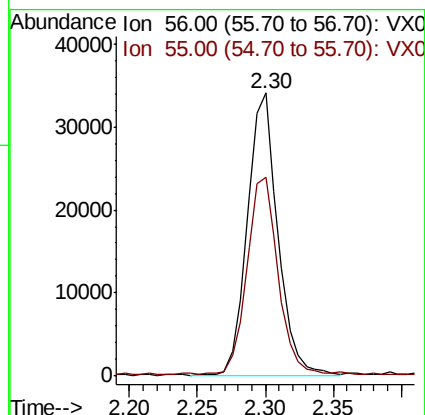
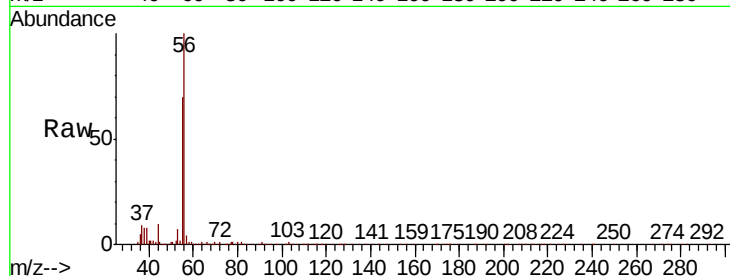
VX0114WBS01

Tgt Ion: 56 Resp: 53413

Ion Ratio Lower Upper

56 100

55 70.6 58.2 87.4



#14

Allyl chloride

Concen: 19.850 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

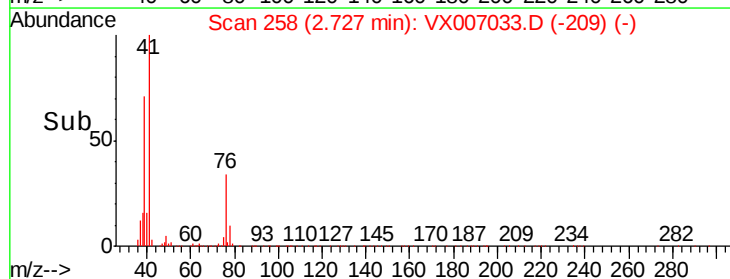
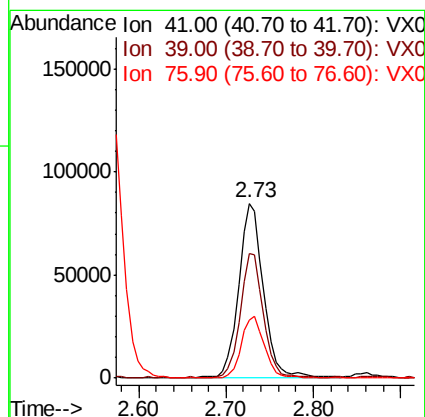
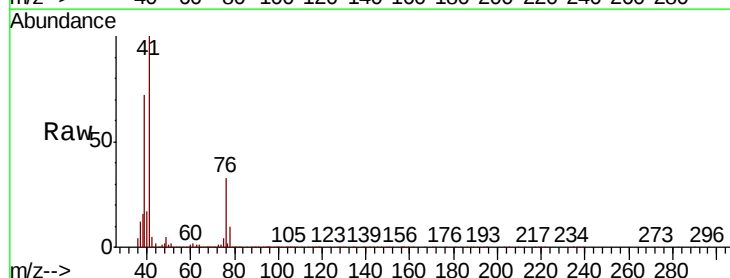
Tgt Ion: 41 Resp: 165611

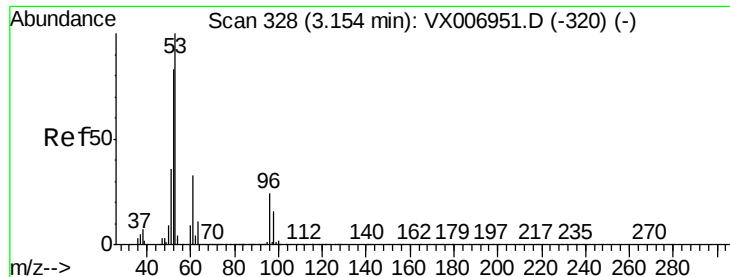
Ion Ratio Lower Upper

41 100

39 66.3 53.6 80.4

76 33.1 27.4 41.2





#15

Acrylonitrile

Concen: 100.819 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0114WBS01

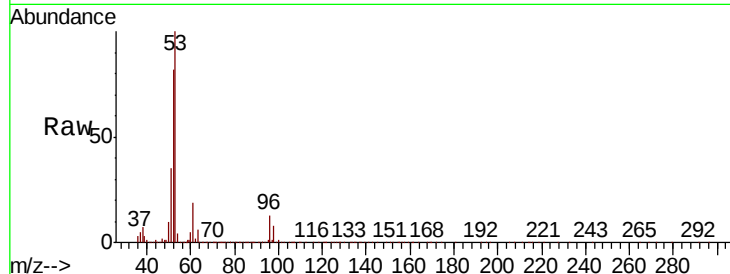
Tgt Ion: 53 Resp: 302215

Ion Ratio Lower Upper

53 100

52 81.6 66.0 99.0

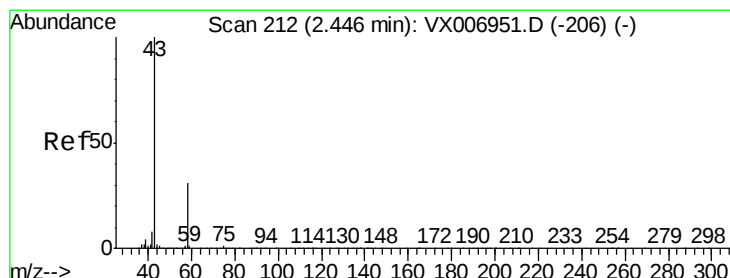
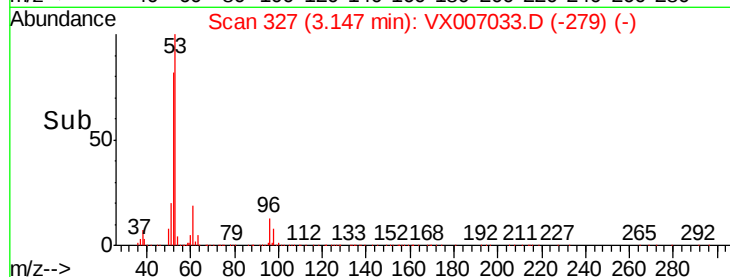
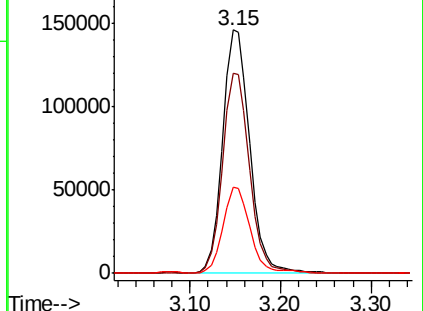
51 35.3 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 96.359 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007033.D

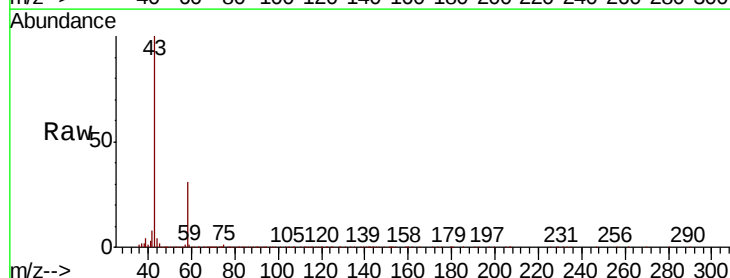
Acq: 14 Jan 2019 12:30

Tgt Ion: 43 Resp: 263692

Ion Ratio Lower Upper

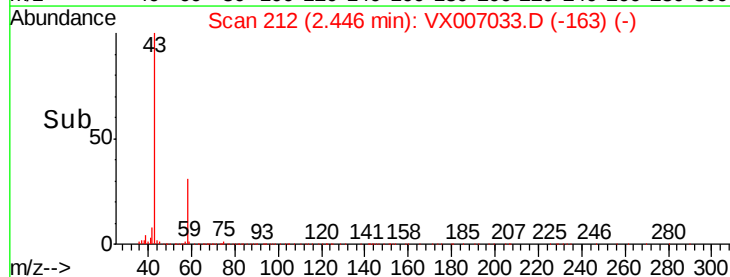
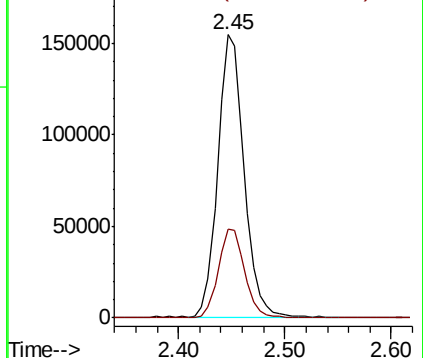
43 100

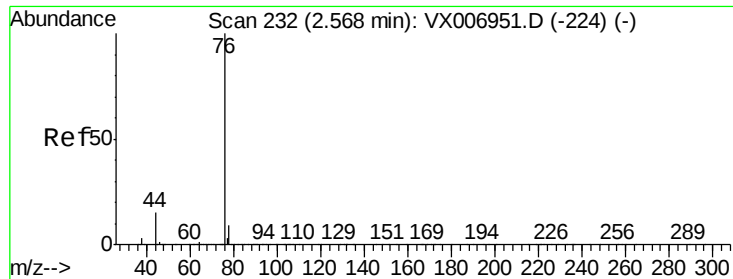
58 31.2 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

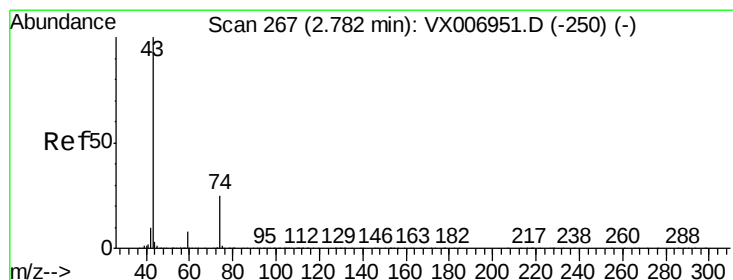
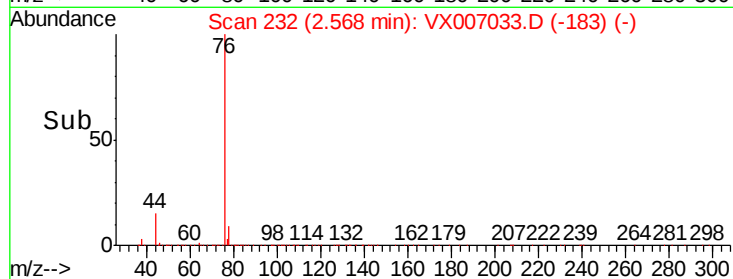
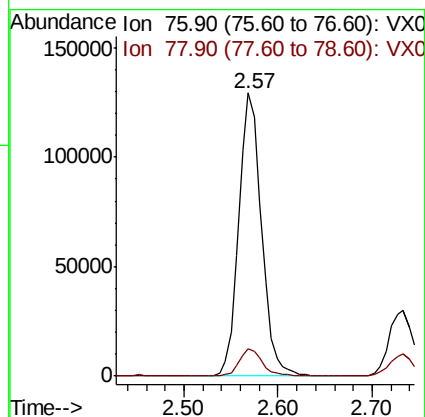
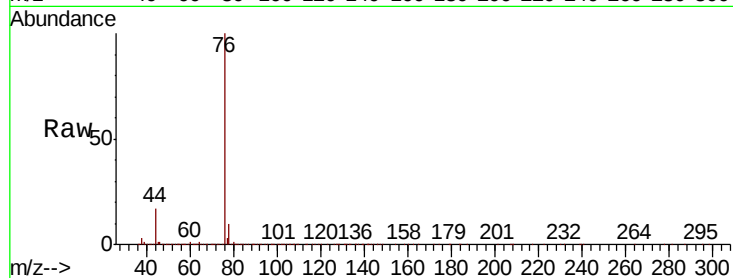




#17  
Carbon Disulfide  
Concen: 17.368 ug/l  
RT: 2.57 min Scan# 232  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

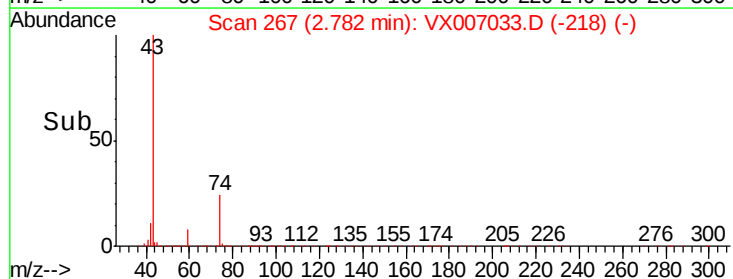
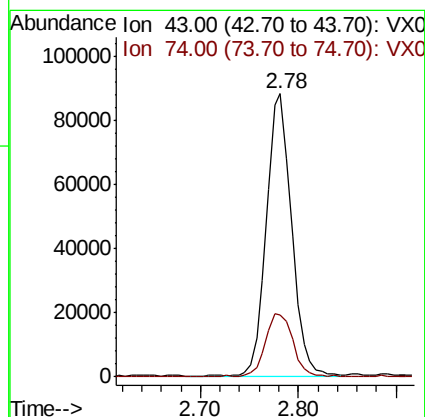
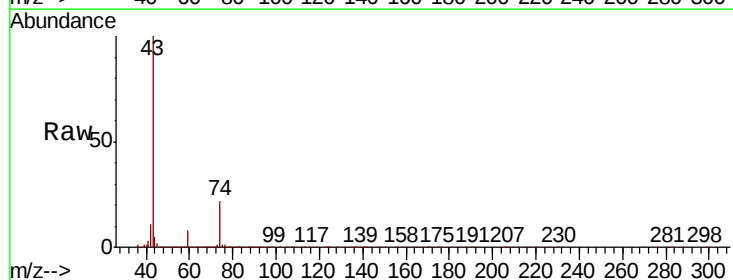
Instrument :  
MSVOA\_X  
ClientSampled :  
VX0114WBS01

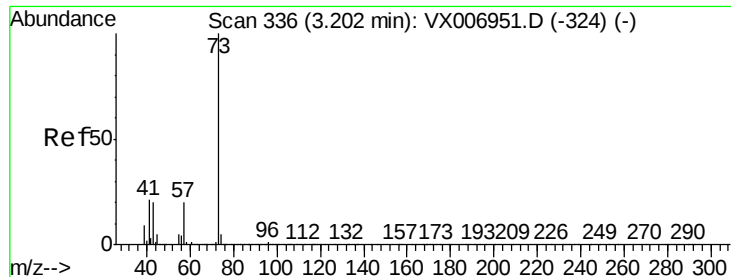
Tgt Ion: 76 Resp: 217680  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.0 10.6



#18  
Methyl Acetate  
Concen: 19.997 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Tgt Ion: 43 Resp: 158473  
Ion Ratio Lower Upper  
43 100  
74 24.0 18.6 28.0



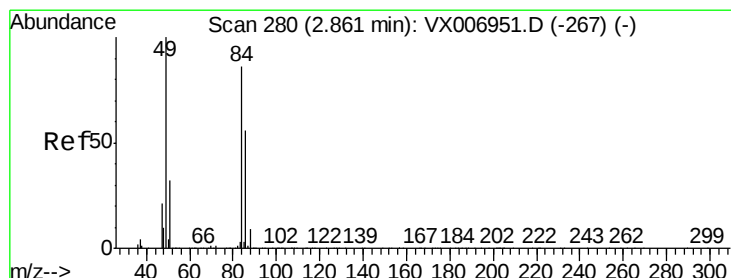
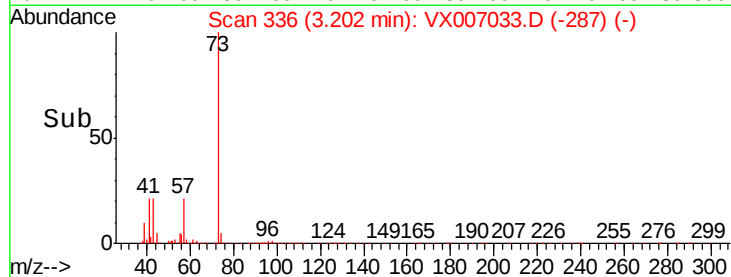
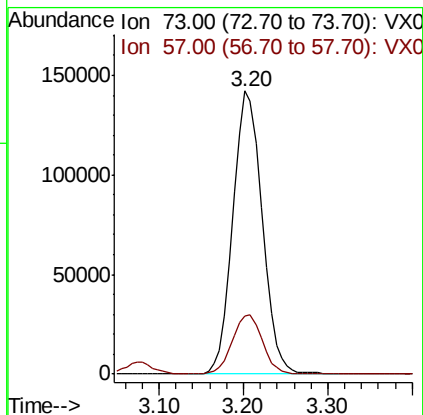
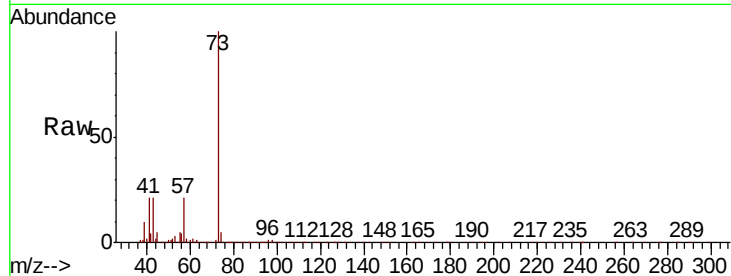


#19

Methyl tert-butyl Ether  
Concen: 19.767 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBS01

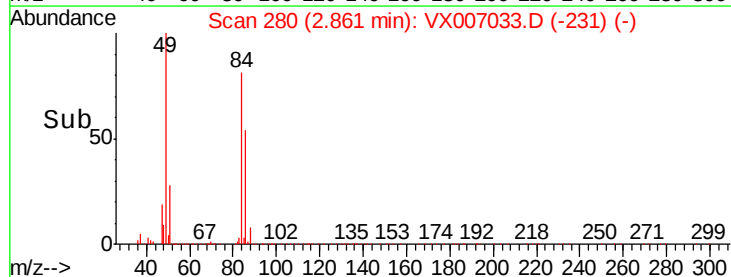
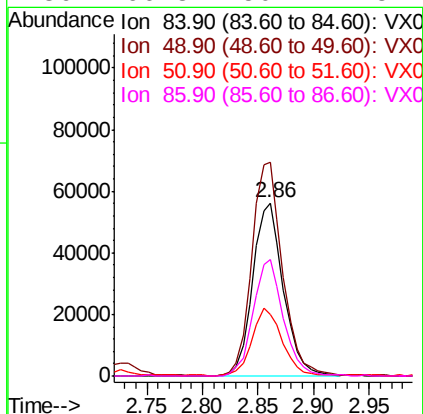
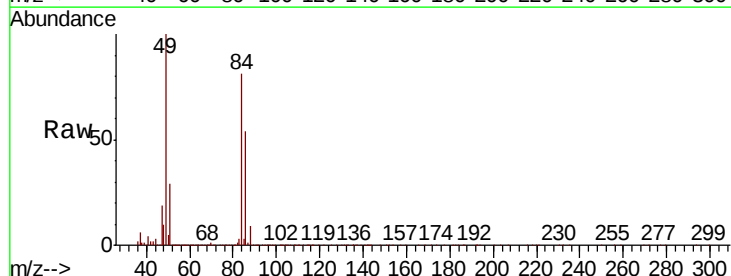
Tgt Ion: 73 Resp: 333988  
Ion Ratio Lower Upper  
73 100  
57 20.5 16.8 25.2

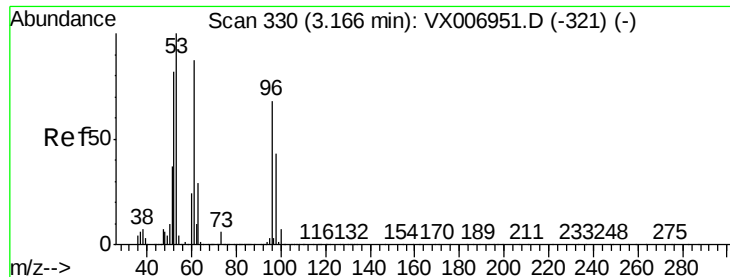


#20

Methylene Chloride  
Concen: 20.270 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Tgt Ion: 84 Resp: 107256  
Ion Ratio Lower Upper  
84 100  
49 123.2 91.8 137.6  
51 34.9 28.5 42.7  
86 66.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.180 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0114WBS01

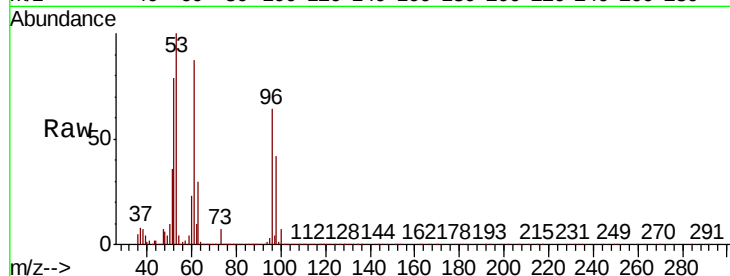
Tgt Ion: 96 Resp: 98624

Ion Ratio Lower Upper

96 100

61 136.7 103.7 155.5

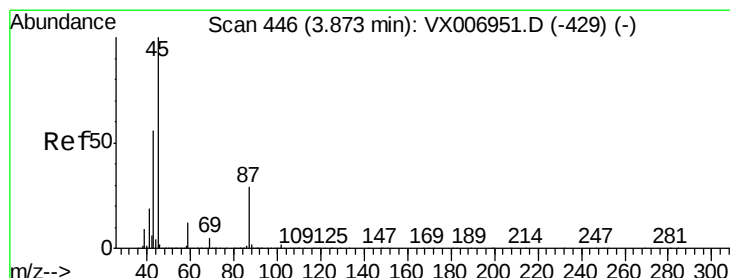
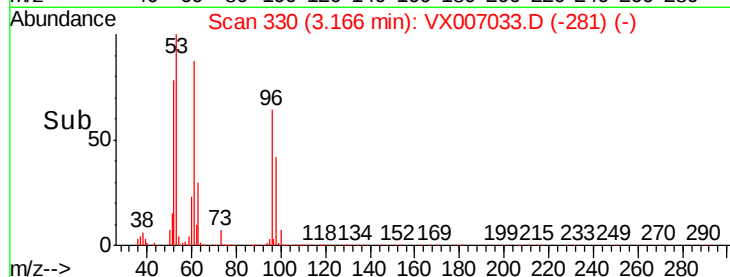
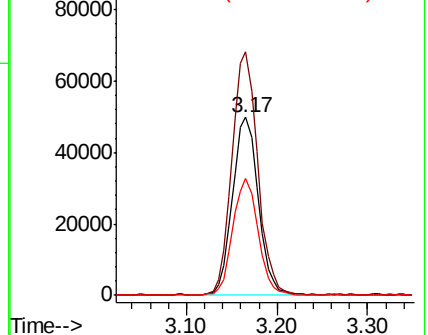
98 65.6 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.537 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Tgt Ion: 45 Resp: 306431

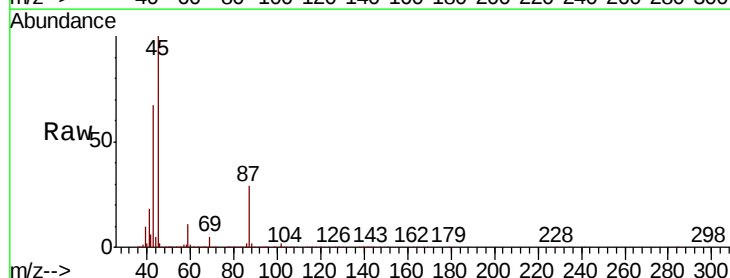
Ion Ratio Lower Upper

45 100

43 66.2 51.2 76.8

87 29.0 25.8 38.6

59 10.8 9.0 13.4

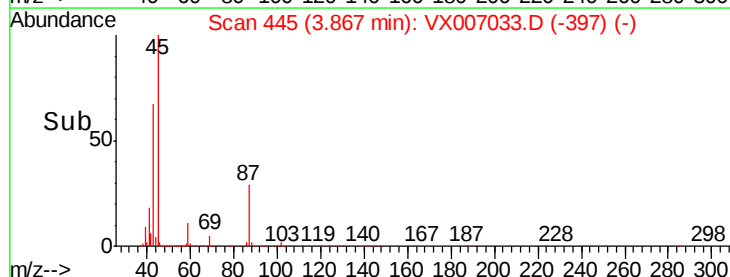
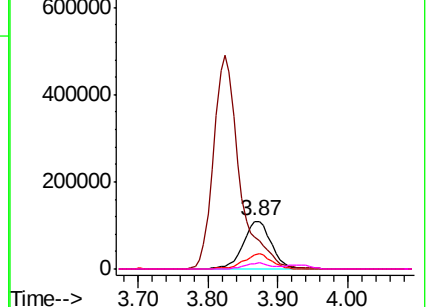


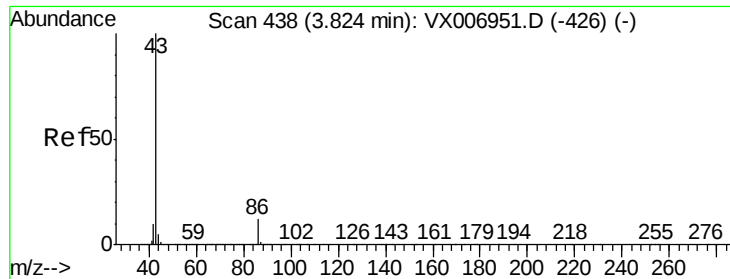
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 96.115 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampled :

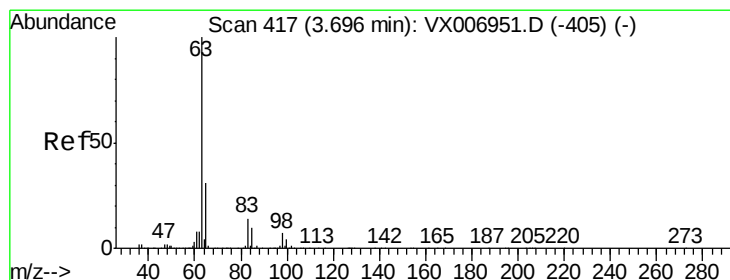
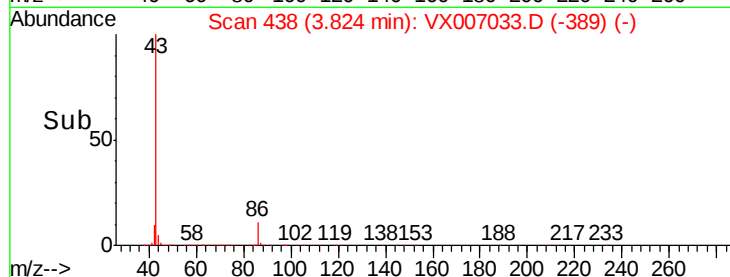
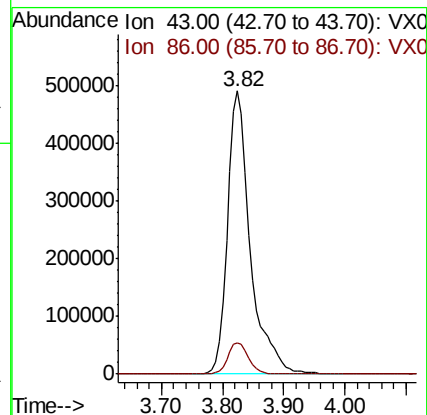
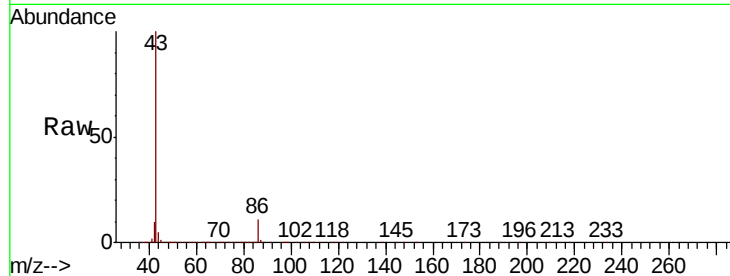
VX0114WBS01

Tgt Ion: 43 Resp: 1271331

Ion Ratio Lower Upper

43 100

86 10.9 9.2 13.8



#24

1,1-Dichloroethane

Concen: 19.243 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

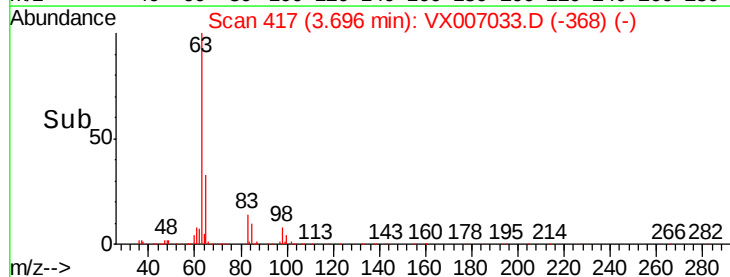
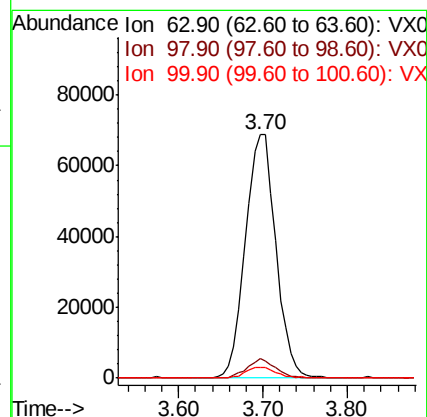
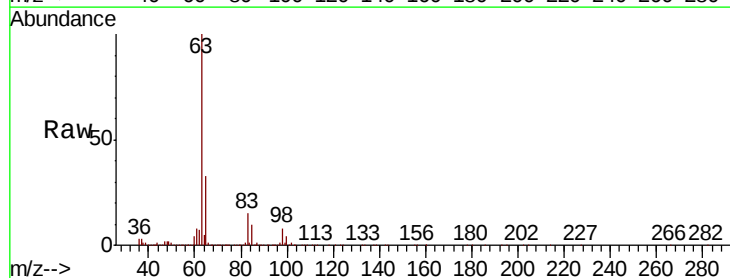
Tgt Ion: 63 Resp: 168770

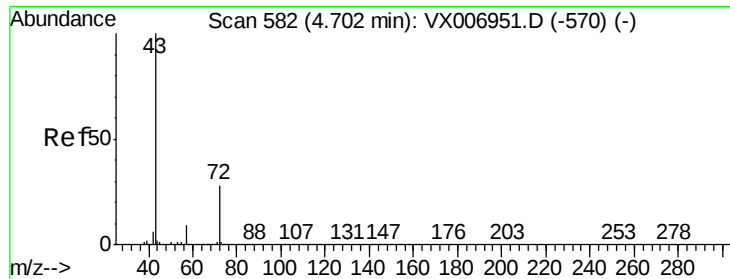
Ion Ratio Lower Upper

63 100

98 8.1 3.9 11.5

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 100.234 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampled :

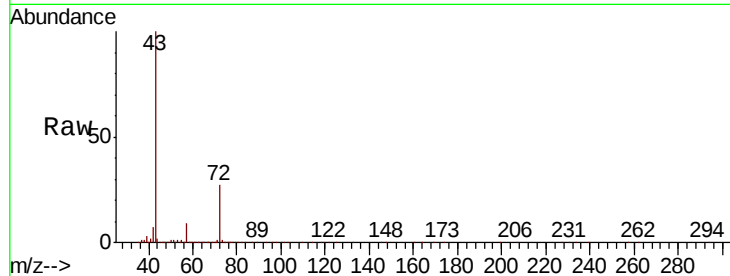
VX0114WBS01

Tgt Ion: 43 Resp: 392479

Ion Ratio Lower Upper

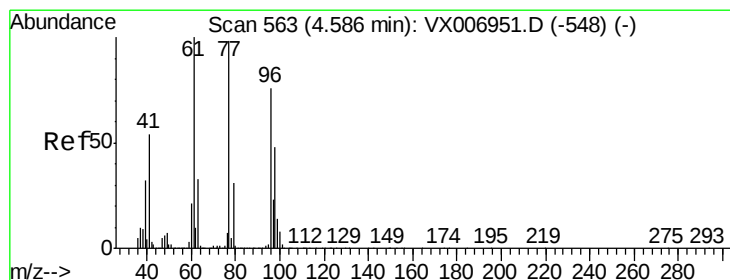
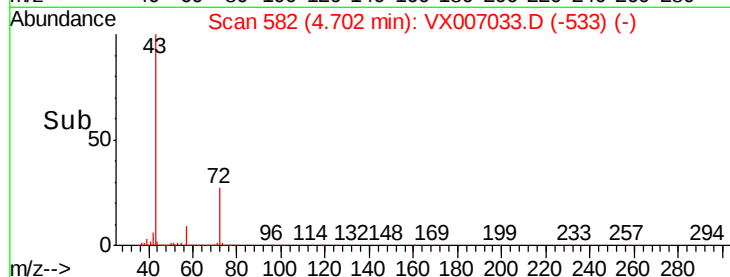
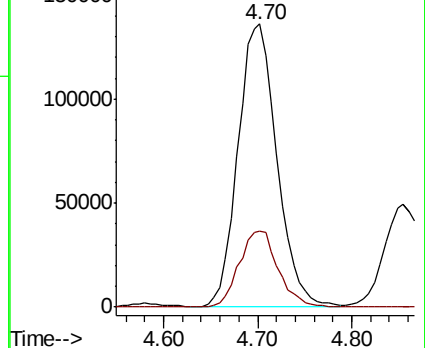
43 100

72 26.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.973 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007033.D

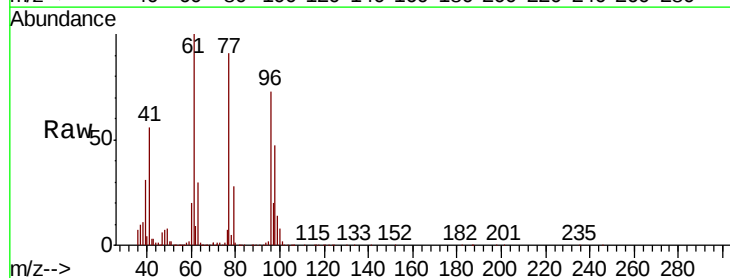
Acq: 14 Jan 2019 12:30

Tgt Ion: 77 Resp: 127957

Ion Ratio Lower Upper

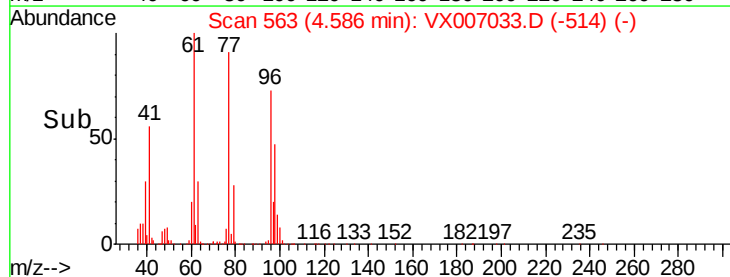
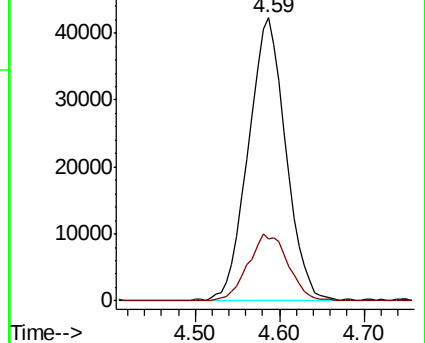
77 100

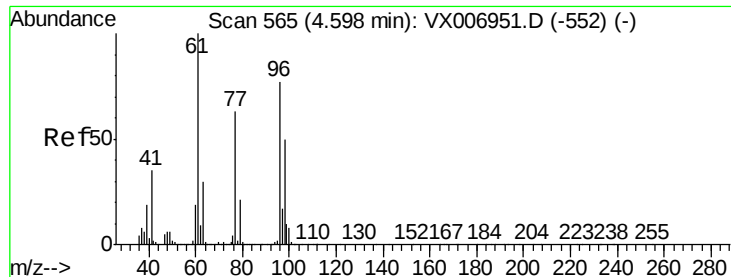
97 25.3 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



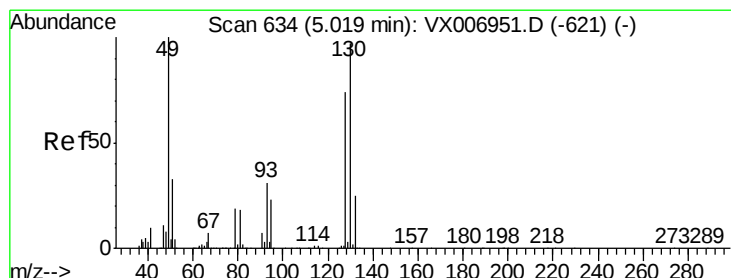
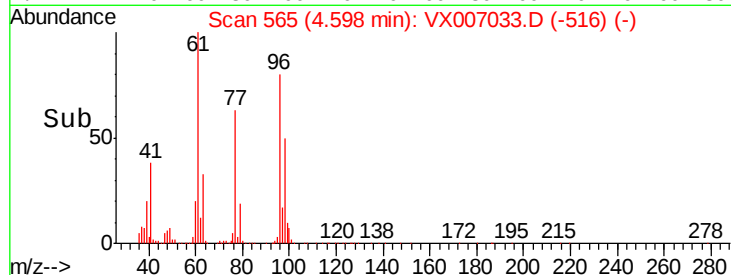
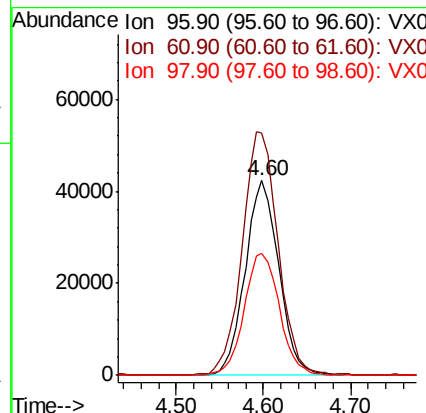
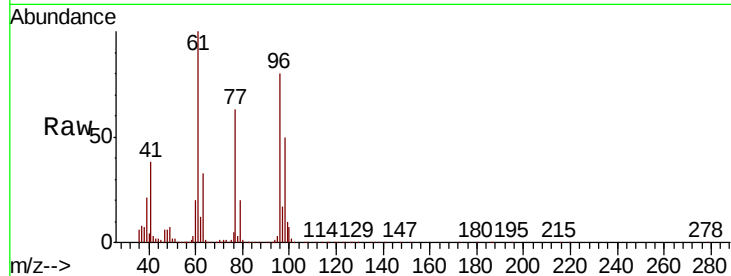


#27

cis-1,2-Dichloroethene  
 Concen: 19.000 ug/l  
 RT: 4.60 min Scan# 565  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0114WBS01

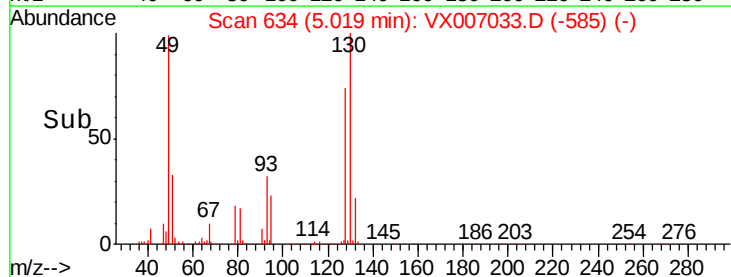
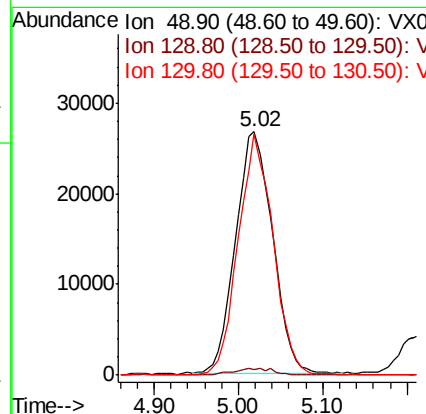
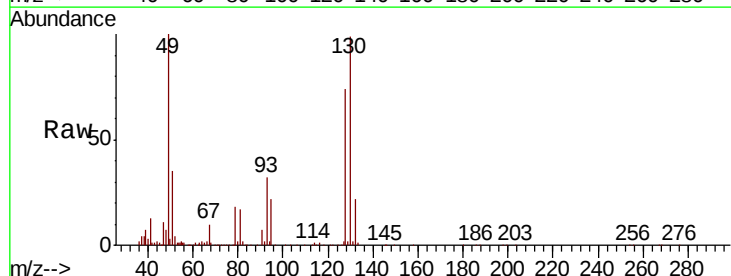
Tgt Ion: 96 Resp: 113693  
 Ion Ratio Lower Upper  
 96 100  
 61 132.6 0.0 258.6  
 98 65.4 0.0 132.0

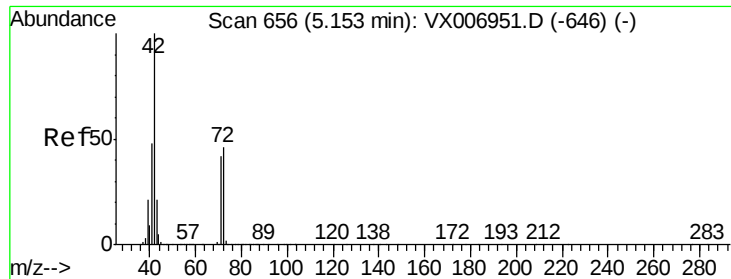


#28

Bromochloromethane  
 Concen: 20.826 ug/l  
 RT: 5.02 min Scan# 634  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

Tgt Ion: 49 Resp: 80026  
 Ion Ratio Lower Upper  
 49 100  
 129 2.9 0.0 5.4  
 130 93.0 77.7 116.5





#29

Tetrahydrofuran

Concen: 98.751 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampled :

VX0114WBS01

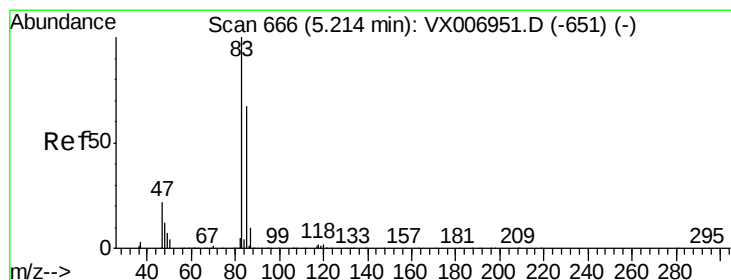
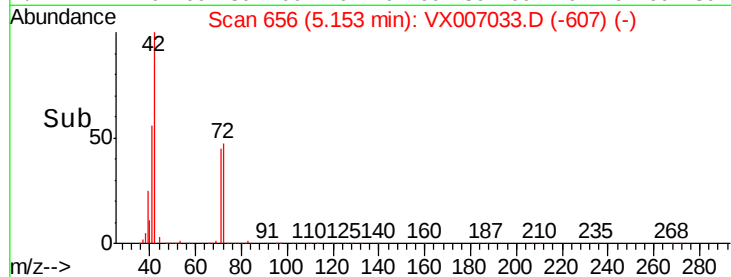
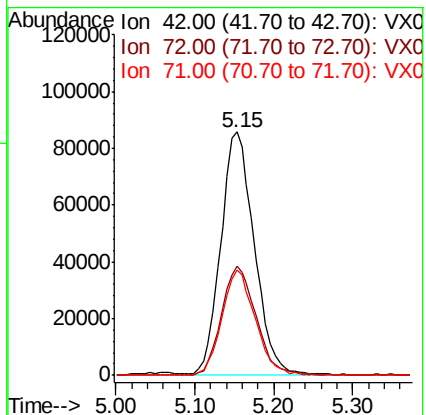
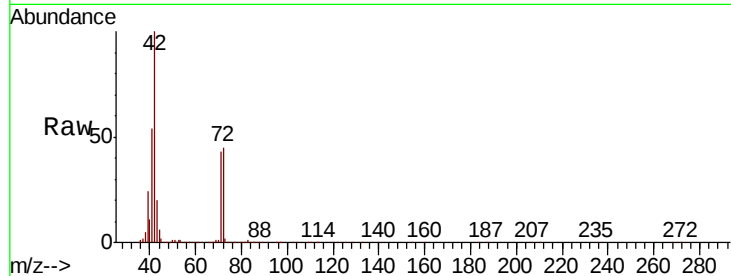
Tgt Ion: 42 Resp: 251289

Ion Ratio Lower Upper

42 100

72 46.7 38.9 58.3

71 43.4 36.2 54.4



#30

Chloroform

Concen: 19.655 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007033.D

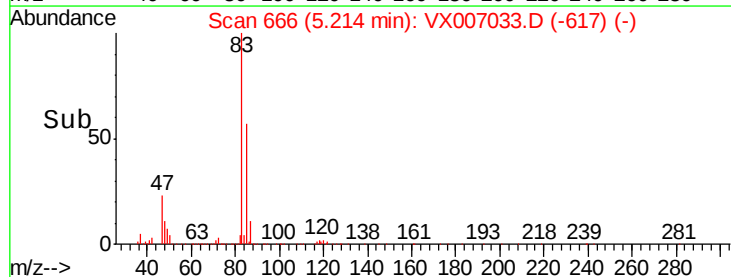
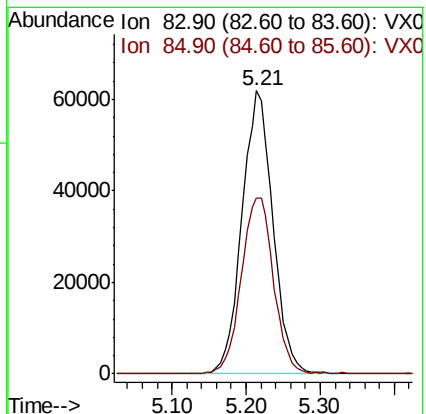
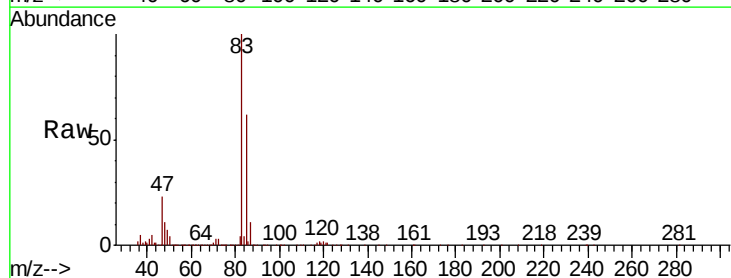
Acq: 14 Jan 2019 12:30

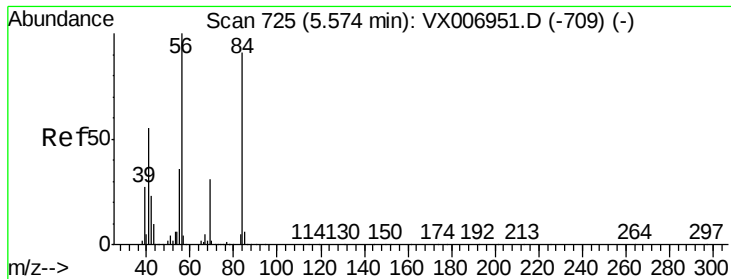
Tgt Ion: 83 Resp: 180483

Ion Ratio Lower Upper

83 100

85 61.8 51.2 76.8

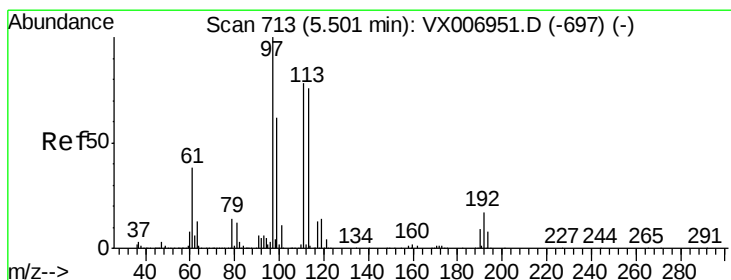
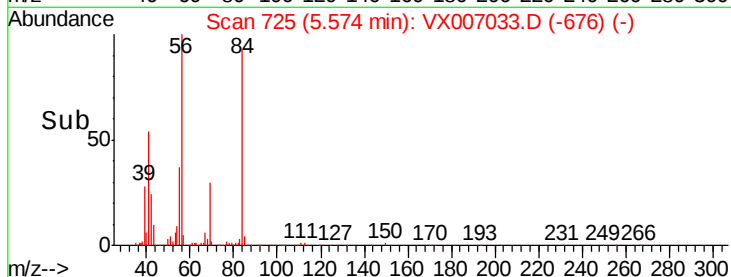
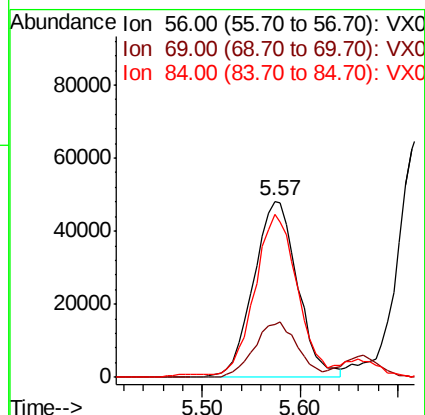
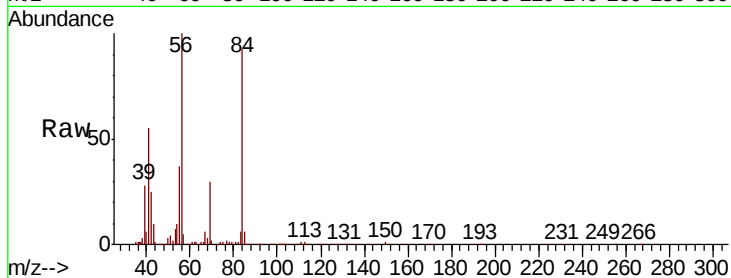




#31  
Cyclohexane  
Concen: 19.140 ug/l  
RT: 5.57 min Scan# 725  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

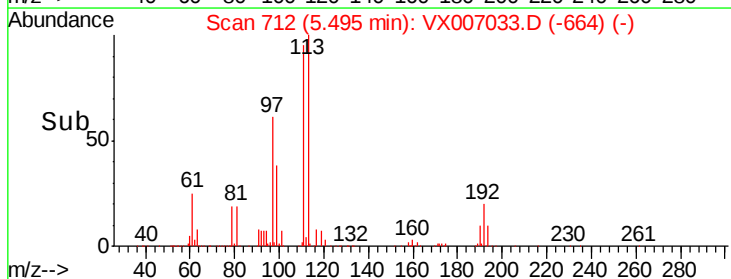
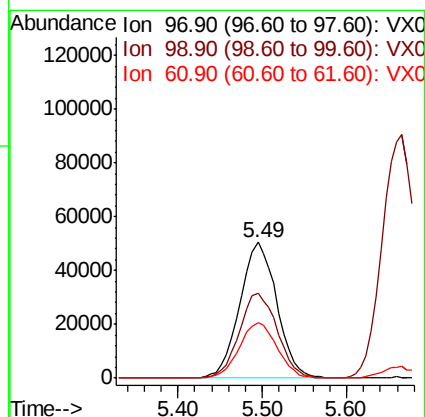
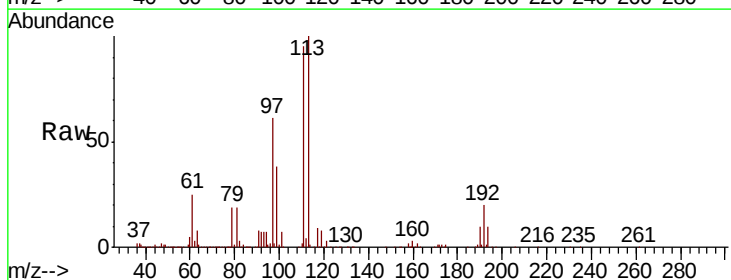
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBS01

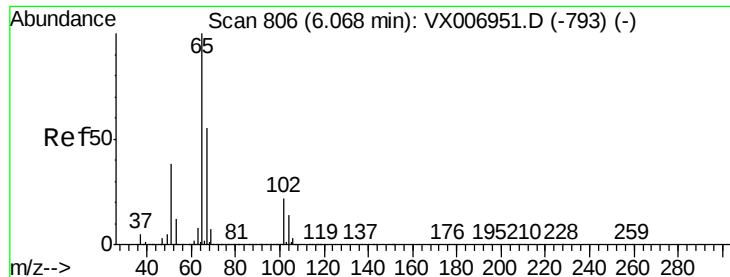
Tgt Ion: 56 Resp: 149404  
Ion Ratio Lower Upper  
56 100  
69 29.9 24.4 36.6  
84 91.1 70.0 105.0



#32  
1,1,1-Trichloroethane  
Concen: 19.234 ug/l  
RT: 5.49 min Scan# 712  
Delta R.T. -0.01 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Tgt Ion: 97 Resp: 149704  
Ion Ratio Lower Upper  
97 100  
99 64.2 51.7 77.5  
61 42.3 31.3 46.9

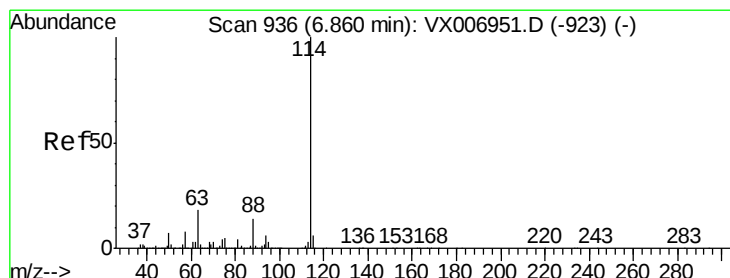
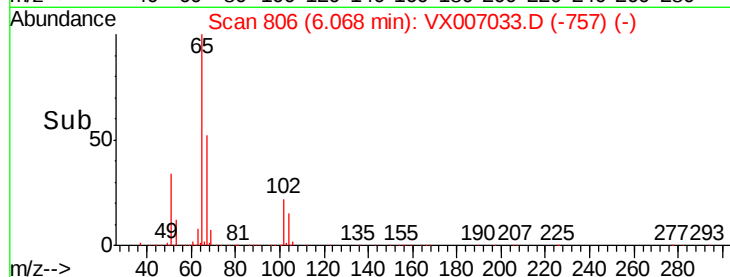
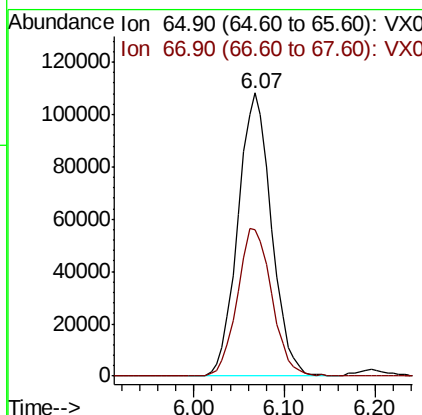
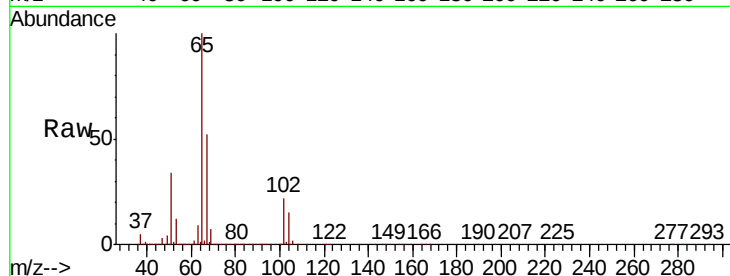




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.038 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

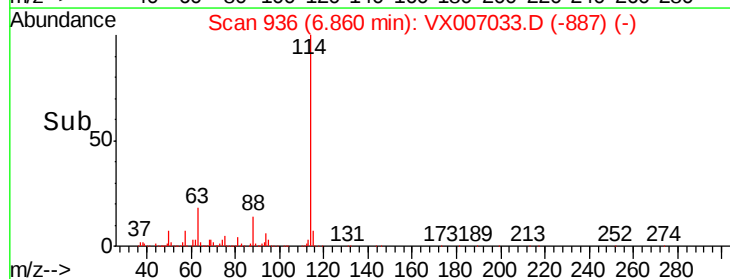
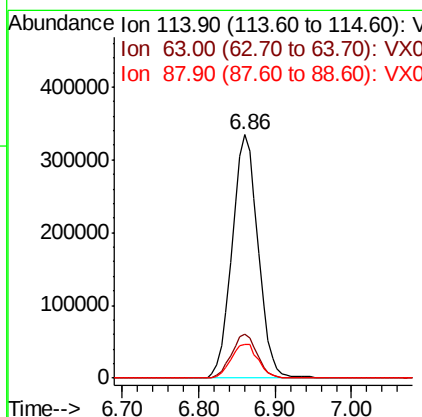
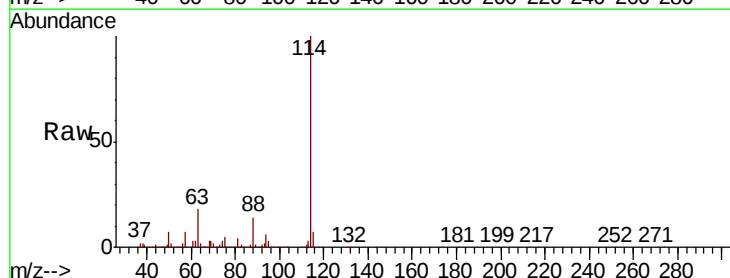
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0114WBS01

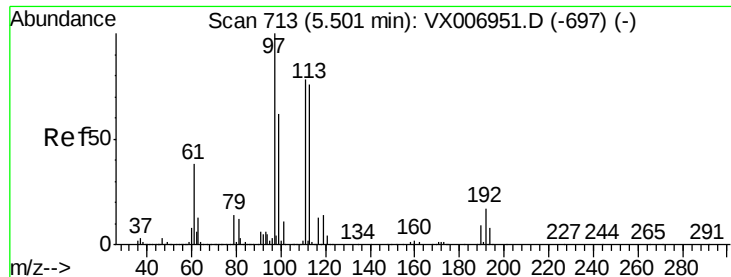
Tgt Ion: 65 Resp: 276984  
 Ion Ratio Lower Upper  
 65 100  
 67 53.9 0.0 105.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

Tgt Ion: 114 Resp: 785014  
 Ion Ratio Lower Upper  
 114 100  
 63 18.2 0.0 34.8  
 88 14.0 0.0 28.8





#35

Dibromofluoromethane

Concen: 50.416 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0114WBS01

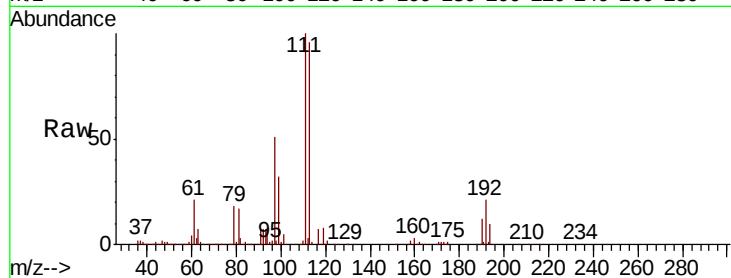
Tgt Ion:113 Resp: 253452

Ion Ratio Lower Upper

113 100

111 99.9 81.6 122.4

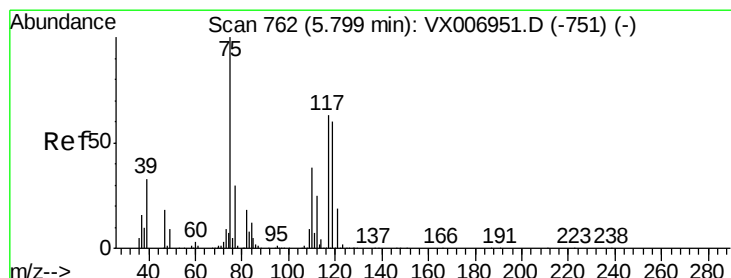
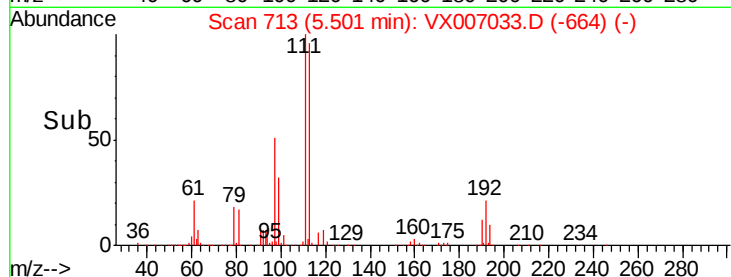
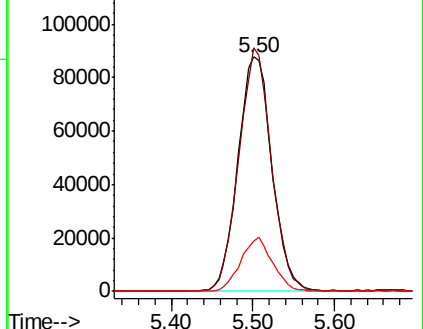
192 21.9 16.7 25.1



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: 18.861 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

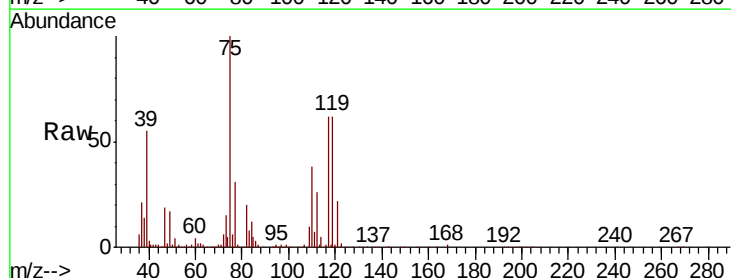
Tgt Ion: 75 Resp: 128726

Ion Ratio Lower Upper

75 100

110 39.3 20.2 60.5

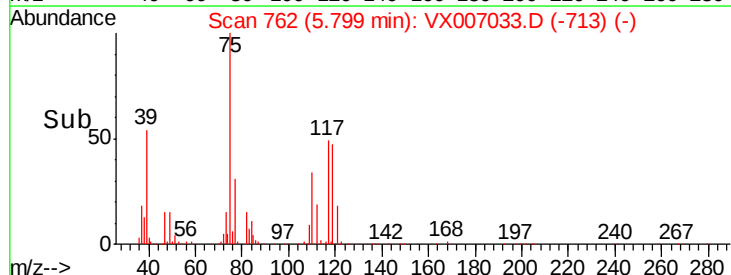
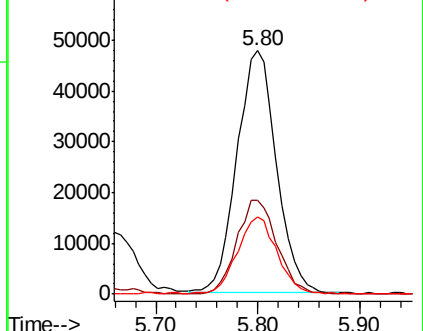
77 31.3 24.8 37.2

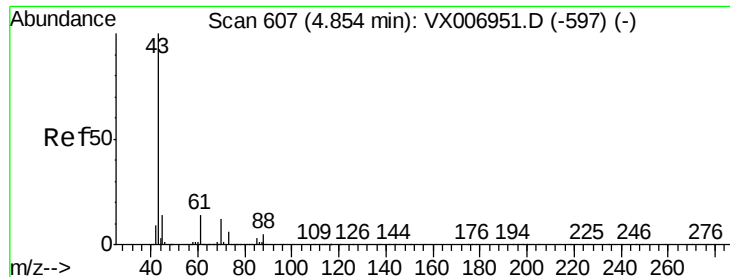


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

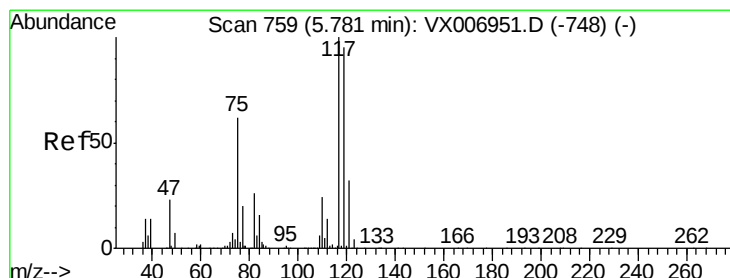
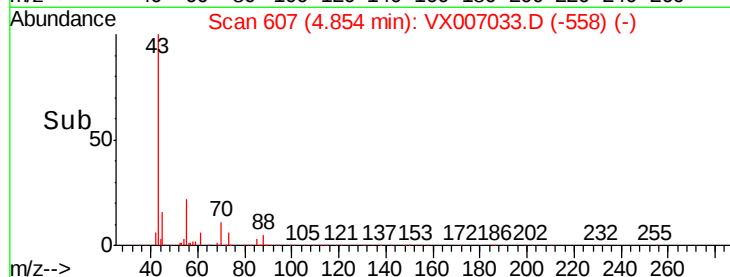
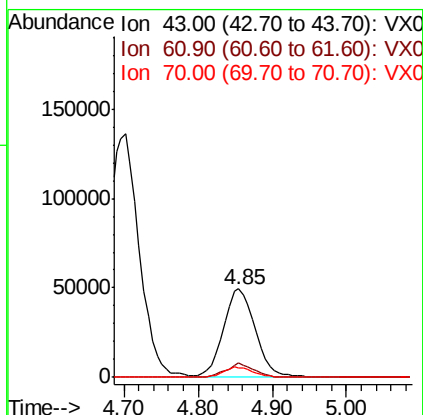
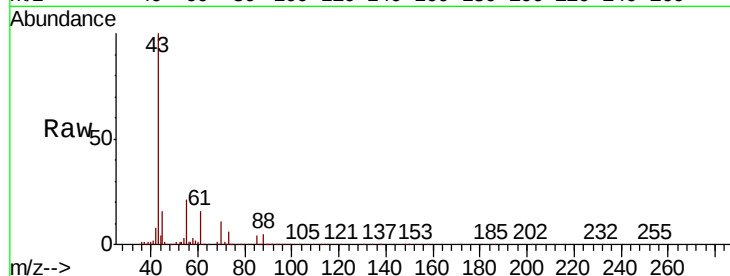




#37  
Ethyl Acetate  
Concen: 20.023 ug/l  
RT: 4.85 min Scan# 607  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

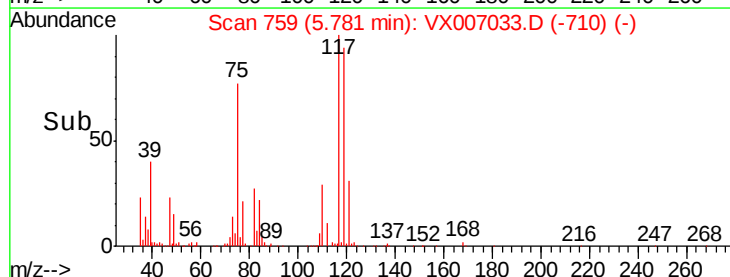
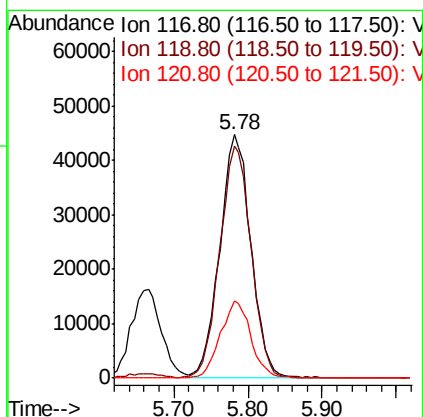
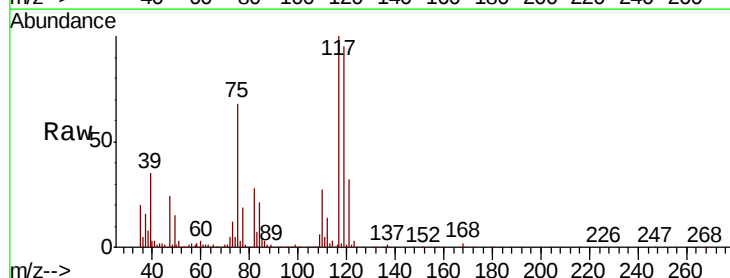
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBS01

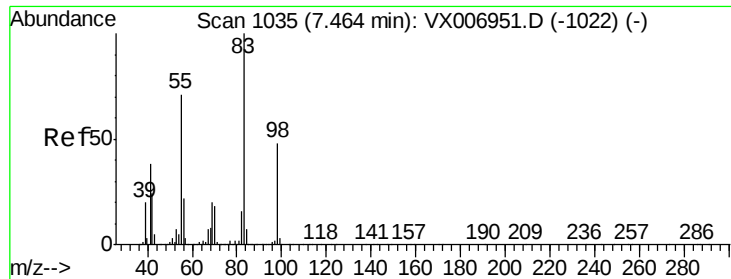
Tgt Ion: 43 Resp: 146507  
Ion Ratio Lower Upper  
43 100  
61 13.7 11.9 17.9  
70 11.3 9.7 14.5



#38  
Carbon Tetrachloride  
Concen: 18.995 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Tgt Ion: 117 Resp: 130438  
Ion Ratio Lower Upper  
117 100  
119 95.0 79.4 119.2  
121 31.8 24.0 36.0

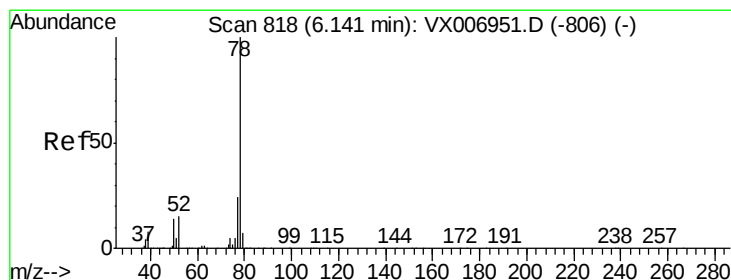
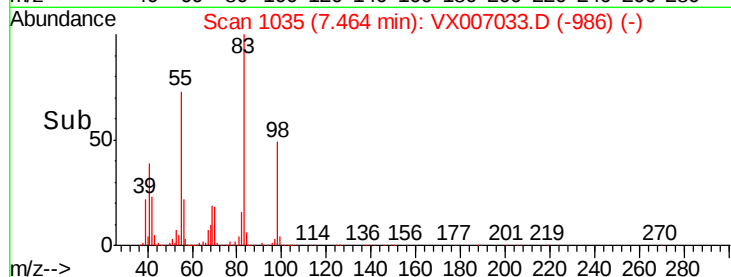
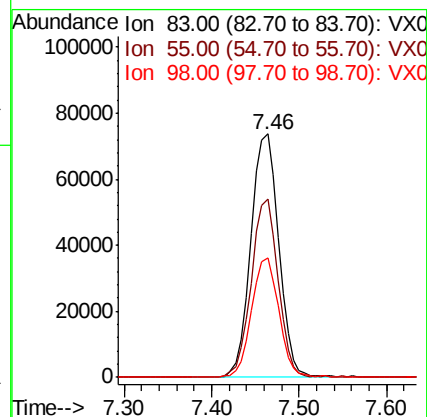
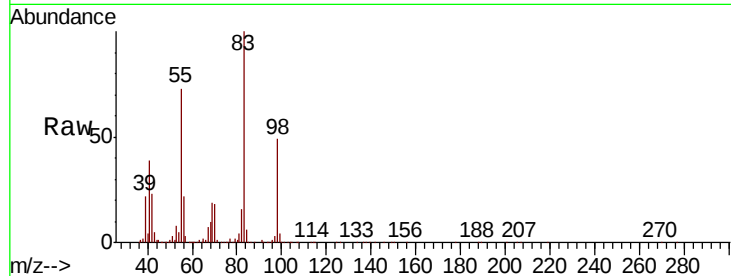




#39  
Methylcyclohexane  
Concen: 18.865 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

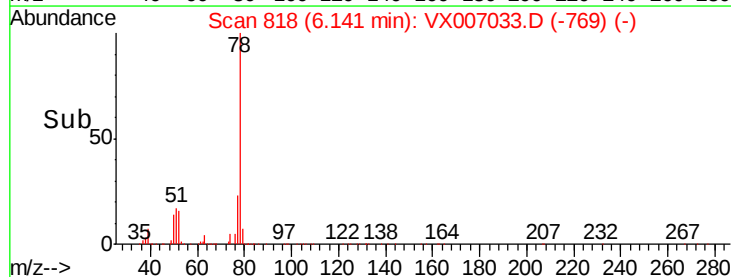
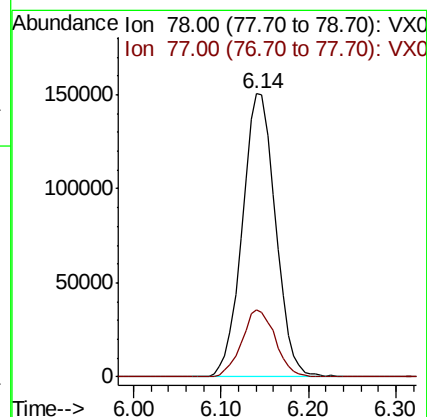
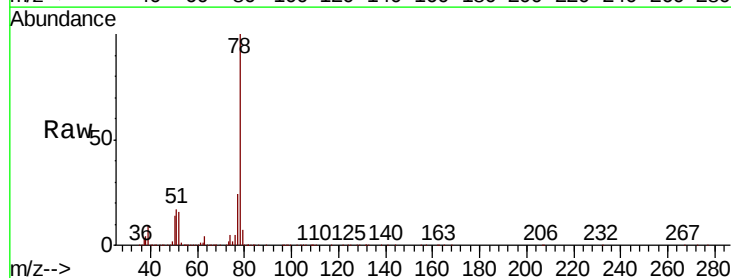
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBS01

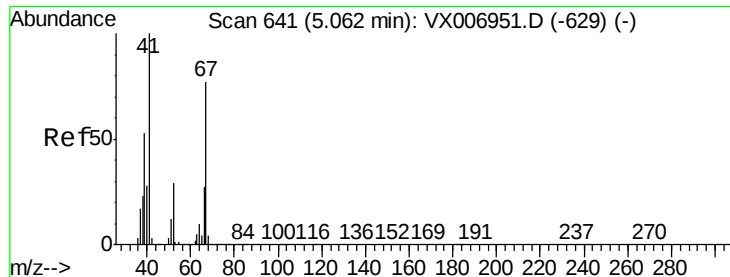
Tgt Ion: 83 Resp: 164142  
Ion Ratio Lower Upper  
83 100  
55 72.9 54.9 82.3  
98 48.9 37.9 56.9



#40  
Benzene  
Concen: 19.072 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Tgt Ion: 78 Resp: 397180  
Ion Ratio Lower Upper  
78 100  
77 23.7 19.2 28.8





#41

Methacrylonitrile

Concen: 18.461 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0114WBS01

Tgt Ion: 41 Resp: 77819

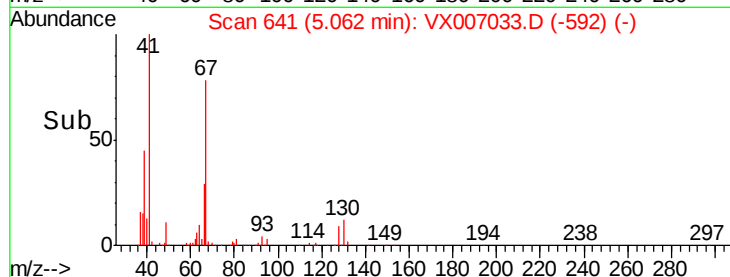
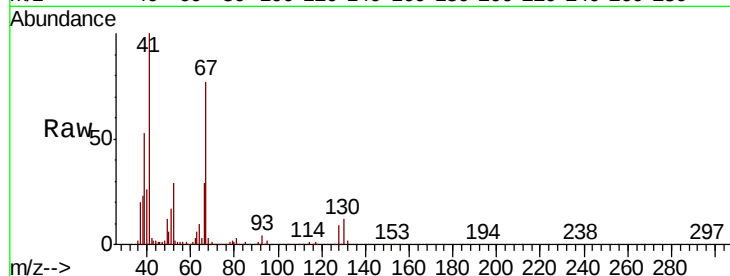
Ion Ratio Lower Upper

41 100

39 55.9 42.8 64.2

67 78.9 62.1 93.1

52 30.3 23.4 35.0

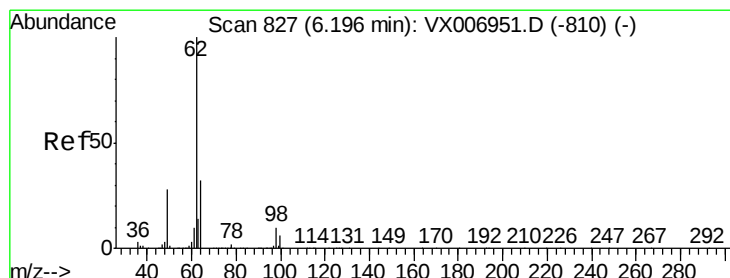
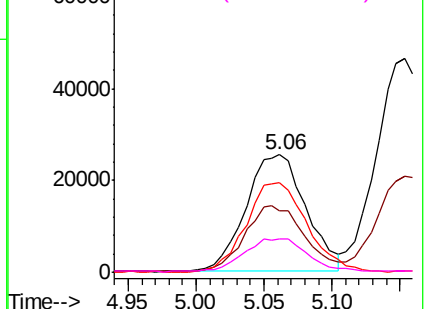


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 18.971 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX007033.D

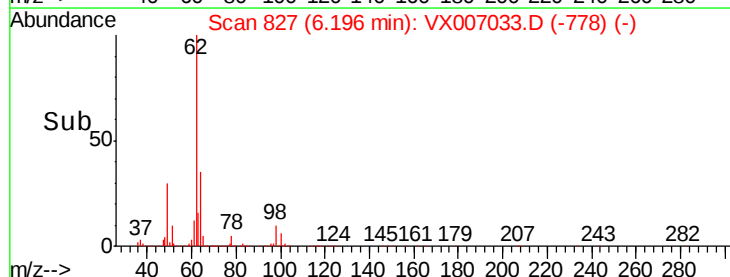
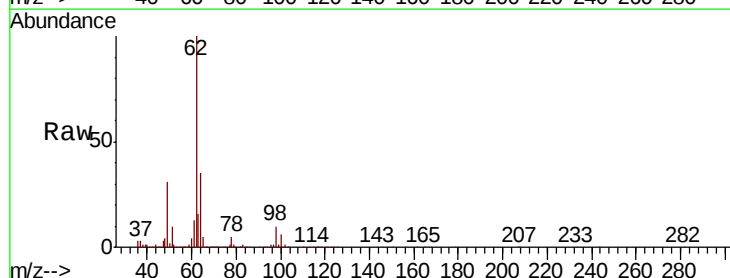
Acq: 14 Jan 2019 12:30

Tgt Ion: 62 Resp: 136522

Ion Ratio Lower Upper

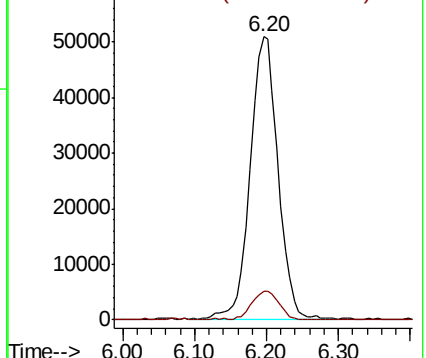
62 100

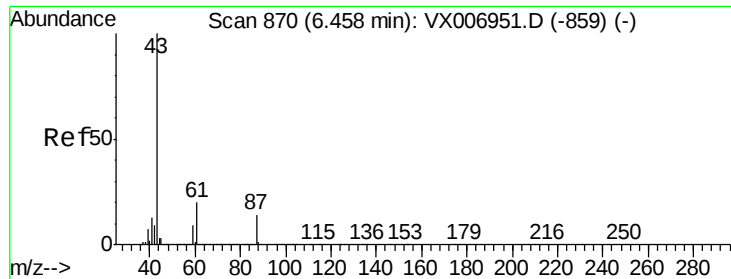
98 10.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.420 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0114WBS01

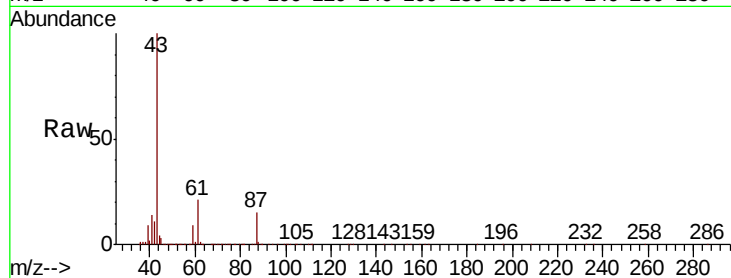
Tgt Ion: 43 Resp: 224139

Ion Ratio Lower Upper

43 100

61 20.8 16.8 25.2

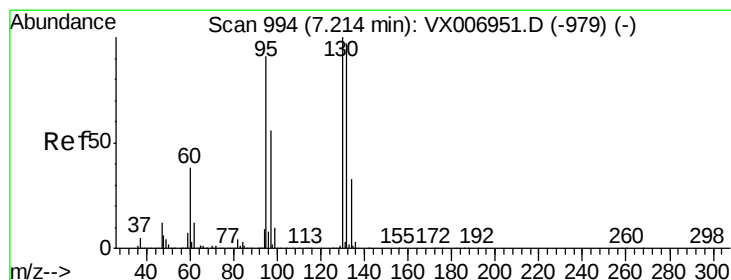
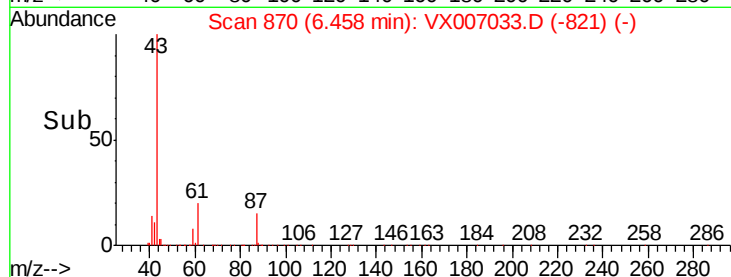
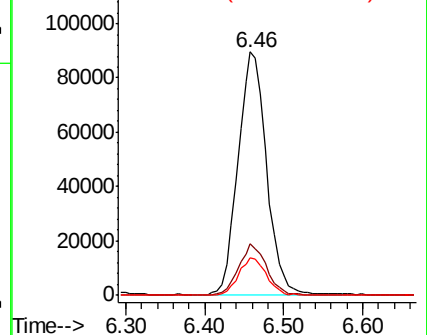
87 14.6 12.4 18.6



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: 18.592 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007033.D

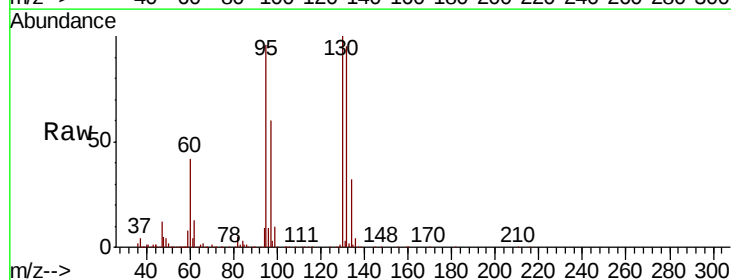
Acq: 14 Jan 2019 12:30

Tgt Ion: 130 Resp: 116022

Ion Ratio Lower Upper

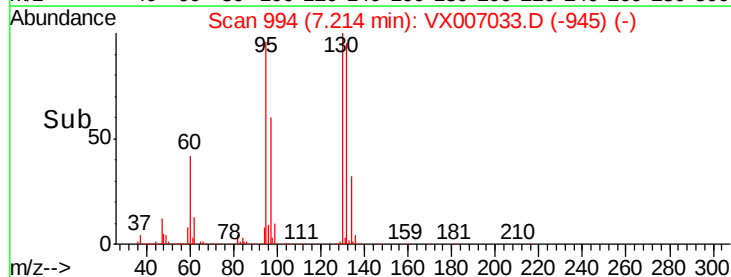
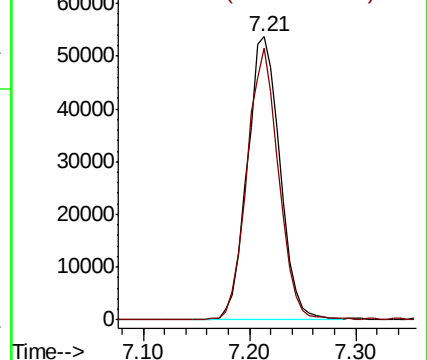
130 100

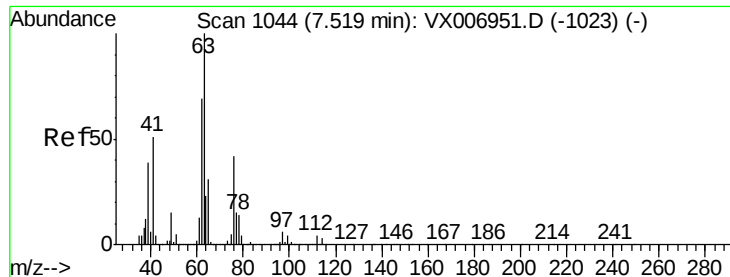
95 95.7 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.254 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampled :

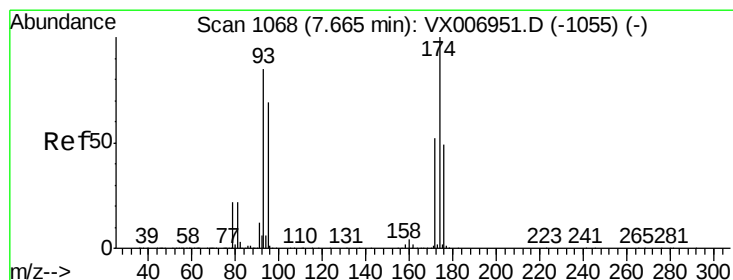
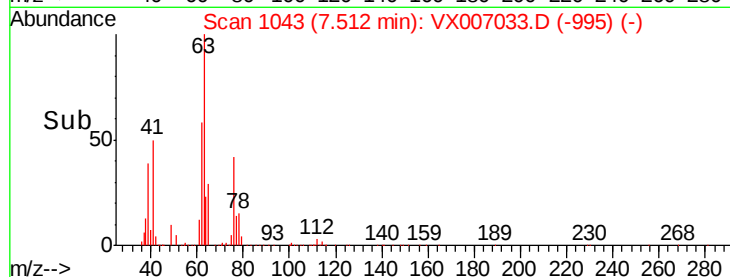
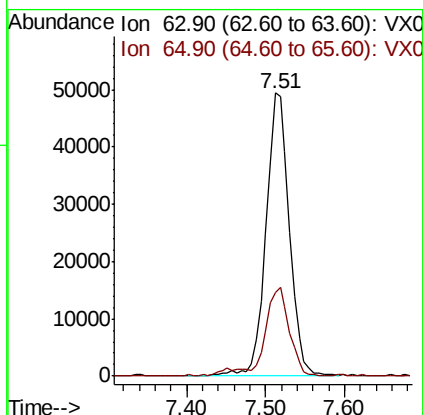
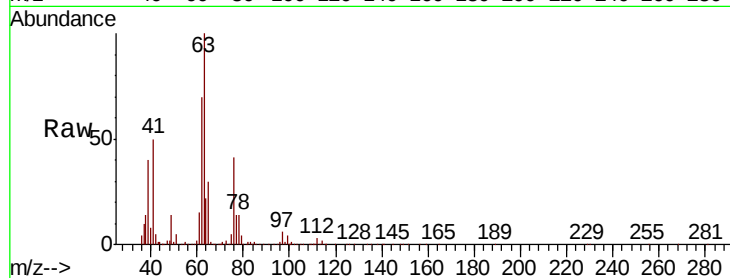
VX0114WBS01

Tgt Ion: 63 Resp: 100808

Ion Ratio Lower Upper

63 100

65 29.3 25.4 38.0



#46

Dibromomethane

Concen: 19.481 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

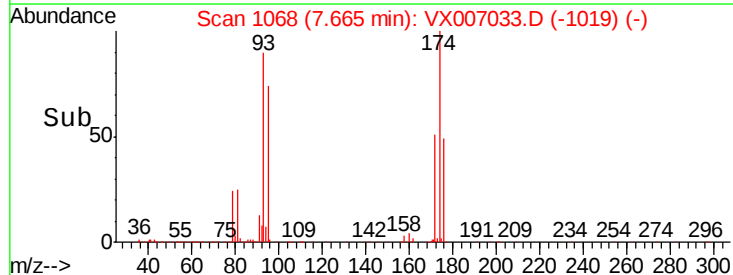
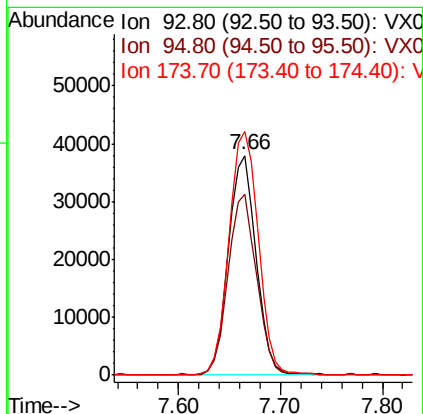
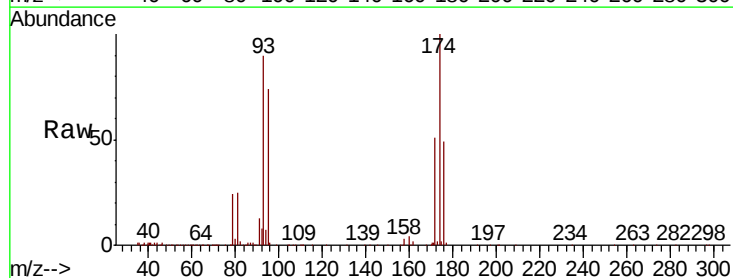
Tgt Ion: 93 Resp: 71682

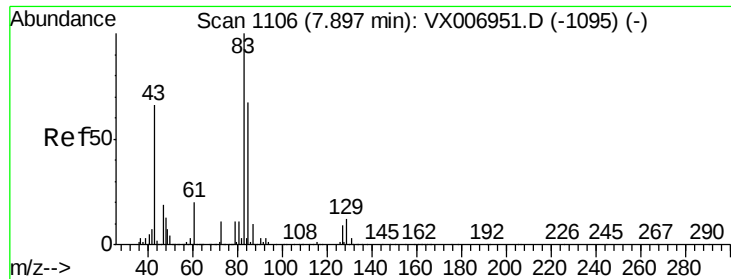
Ion Ratio Lower Upper

93 100

95 83.6 66.2 99.4

174 116.6 91.0 136.4





#47

Bromodichloromethane

Concen: 19.084 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0114WBS01

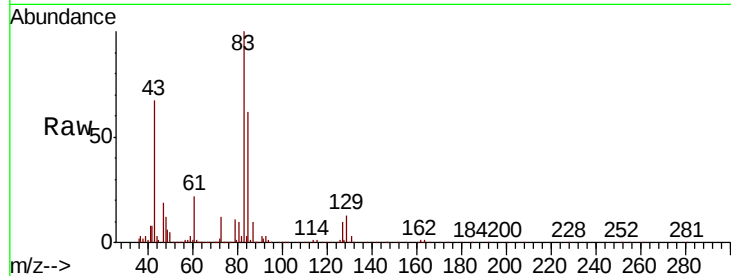
Tgt Ion: 83 Resp: 119527

Ion Ratio Lower Upper

83 100

85 61.8 53.2 79.8

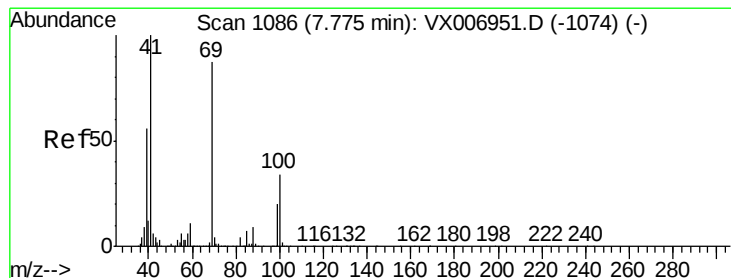
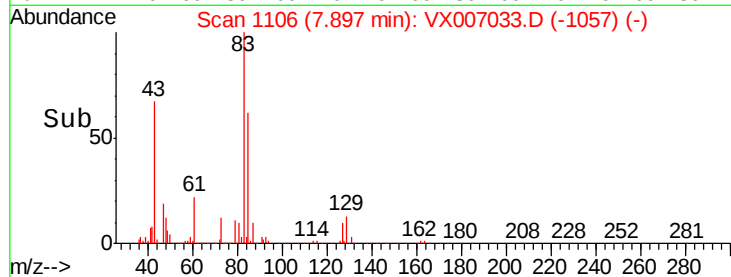
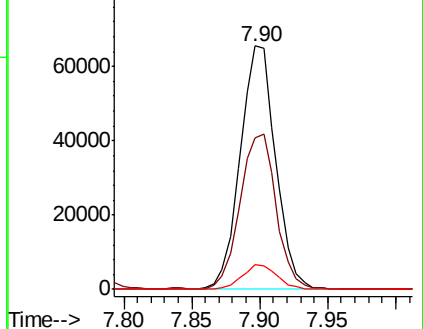
127 10.3 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.462 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

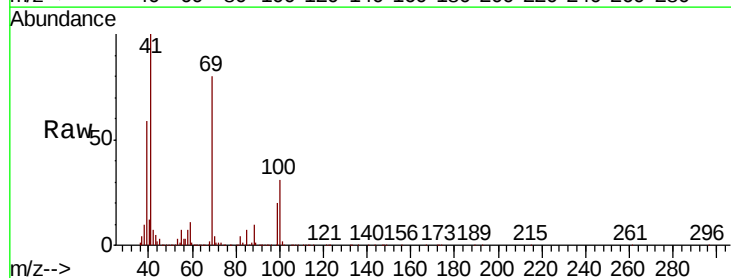
Tgt Ion: 41 Resp: 115354

Ion Ratio Lower Upper

41 100

69 86.0 72.4 108.6

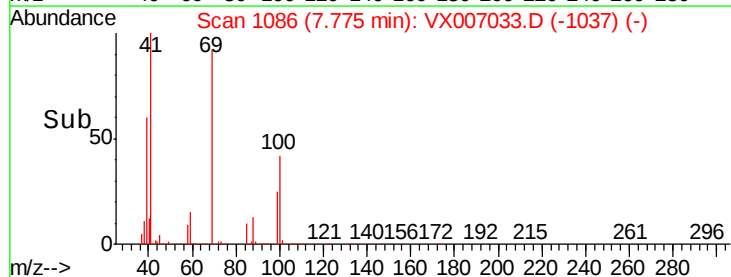
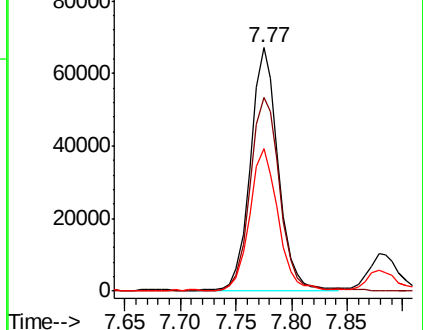
39 59.8 45.8 68.8

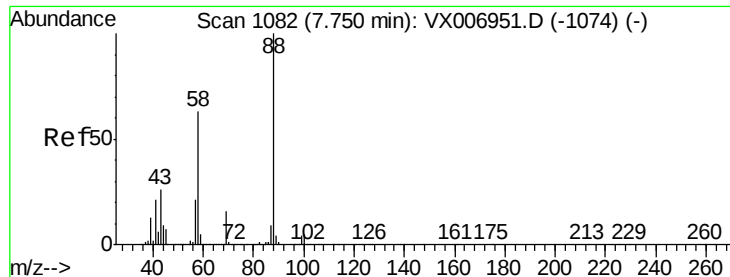


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 401.799 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampled :

VX0114WBS01

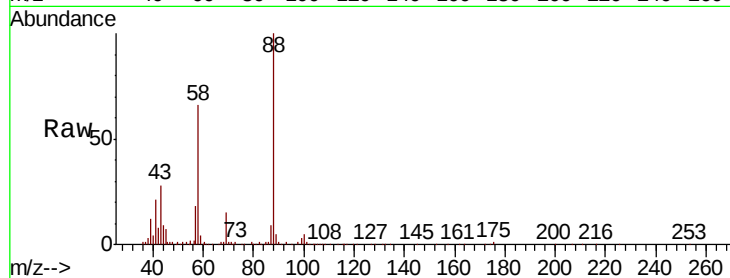
Tgt Ion: 88 Resp: 55081

Ion Ratio Lower Upper

88 100

43 30.8 22.2 33.4

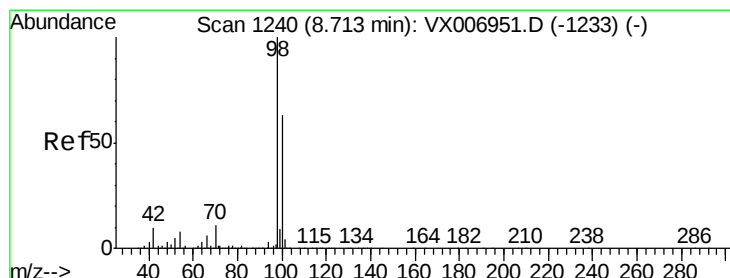
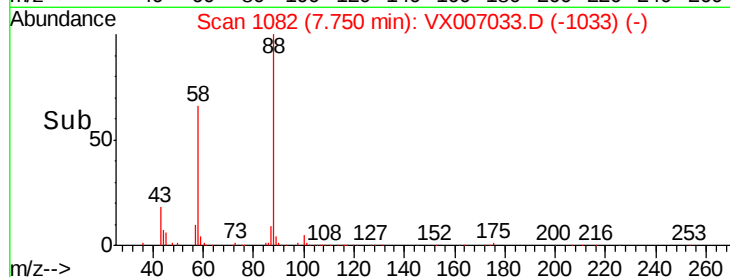
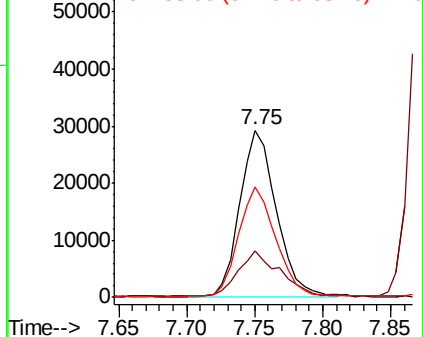
58 66.6 51.0 76.4



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: 51.308 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007033.D

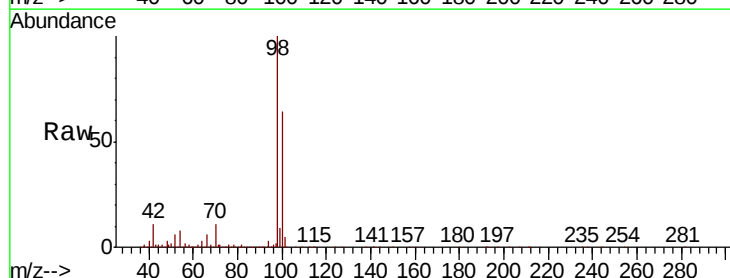
Acq: 14 Jan 2019 12:30

Tgt Ion: 98 Resp: 944122

Ion Ratio Lower Upper

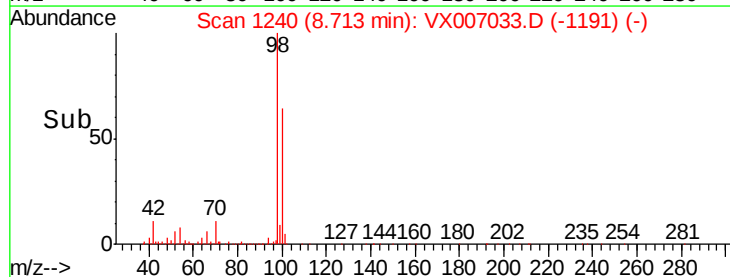
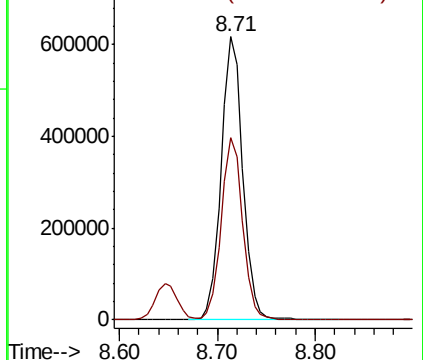
98 100

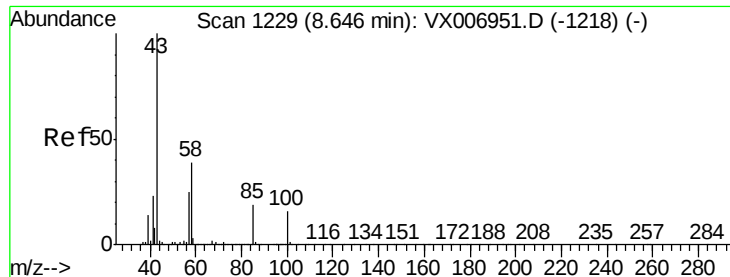
100 63.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

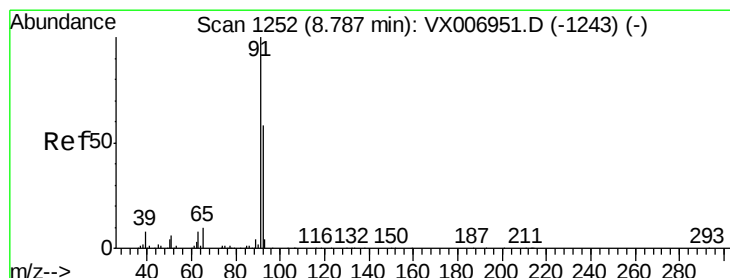
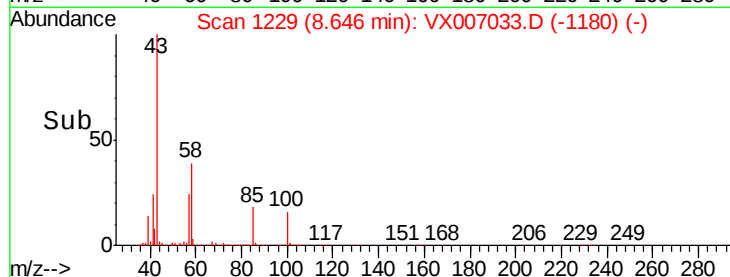
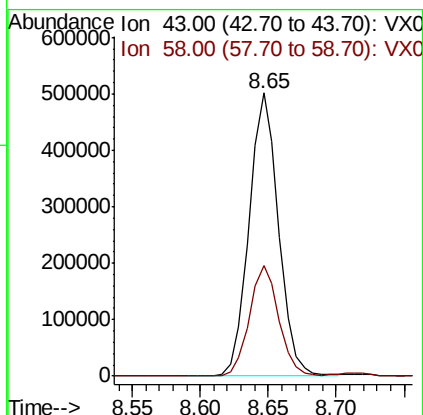
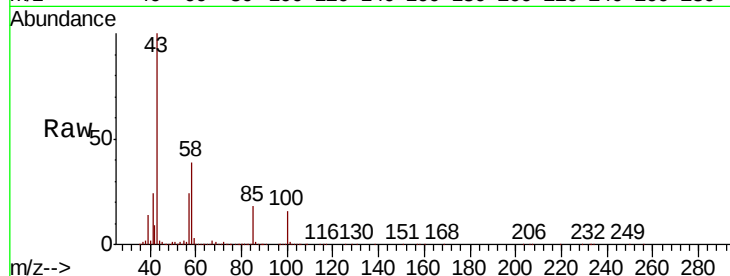




#51  
 4-Methyl-2-Pentanone  
 Concen: 102.846 ug/l  
 RT: 8.65 min Scan# 1229  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

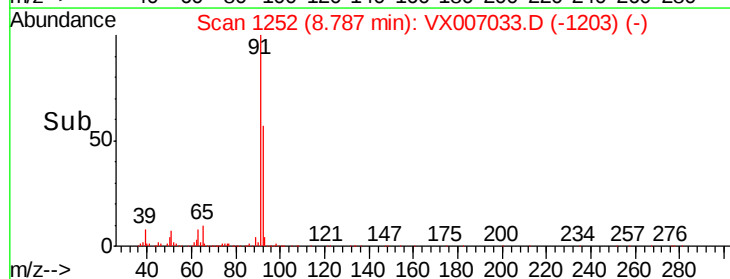
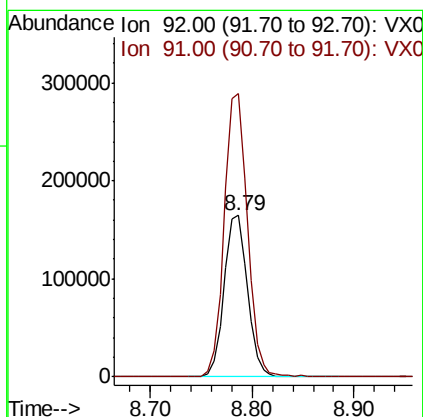
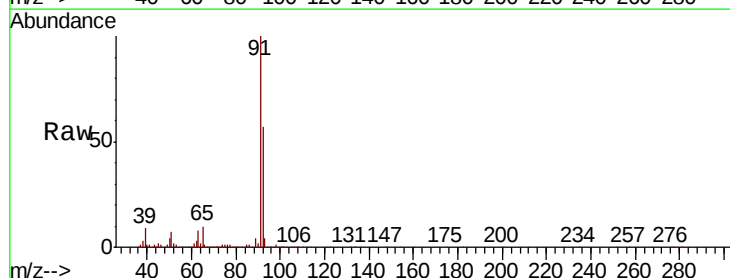
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0114WBS01

Tgt Ion: 43 Resp: 762847  
 Ion Ratio Lower Upper  
 43 100  
 58 38.8 31.8 47.6



#52  
 Toluene  
 Concen: 19.589 ug/l  
 RT: 8.79 min Scan# 1252  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

Tgt Ion: 92 Resp: 262201  
 Ion Ratio Lower Upper  
 92 100  
 91 174.3 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 18.948 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampled :

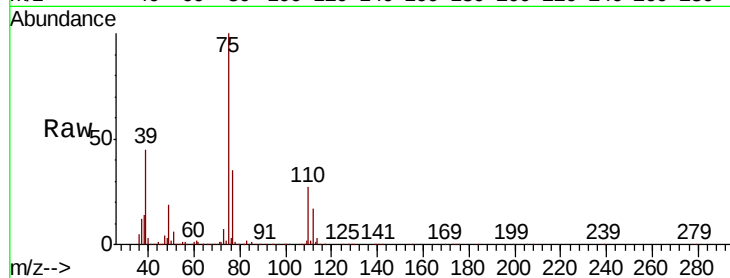
VX0114WBS01

Tgt Ion: 75 Resp: 131597

Ion Ratio Lower Upper

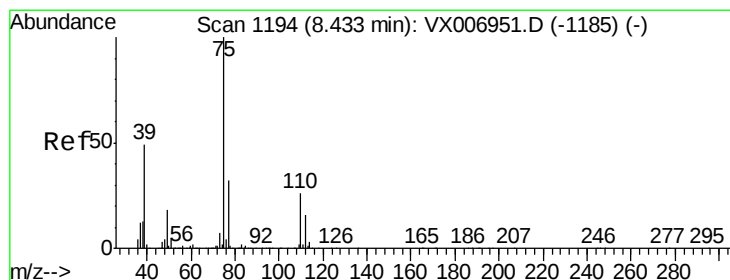
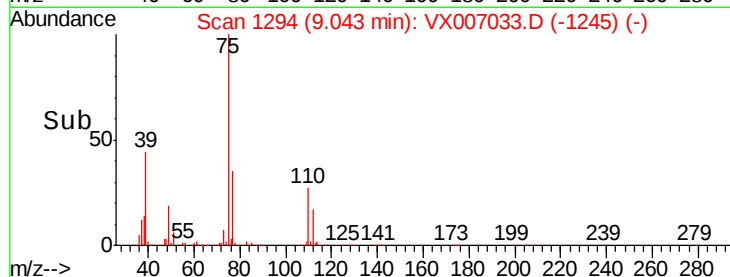
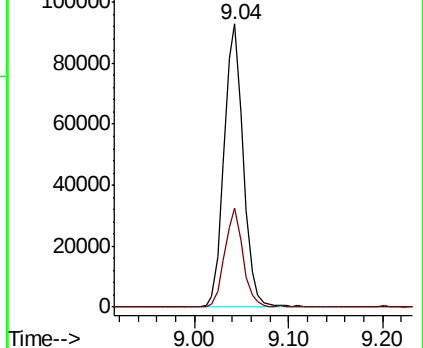
75 100

77 34.7 25.4 38.0



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: 19.268 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

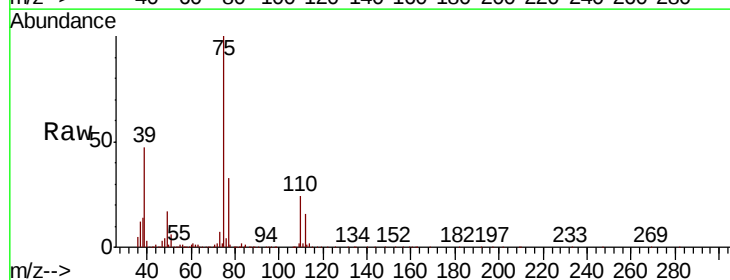
Tgt Ion: 75 Resp: 147781

Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.2

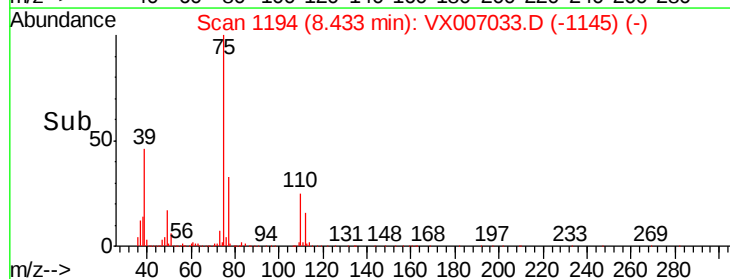
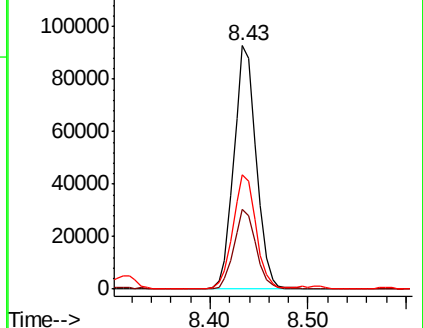
39 46.5 36.7 55.1

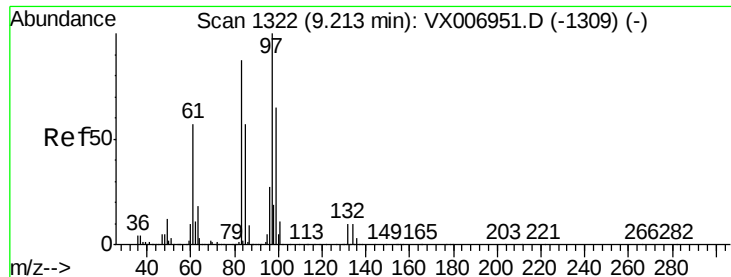


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 20.487 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0114WBS01

Tgt Ion: 97 Resp: 109760

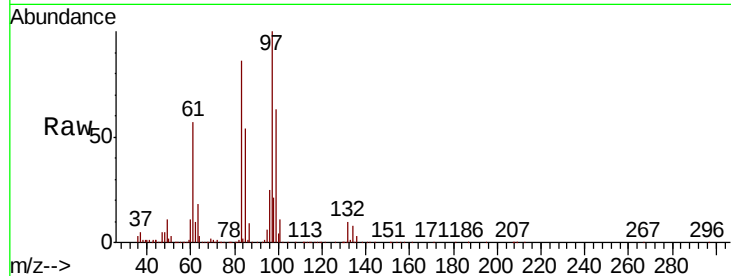
Ion Ratio Lower Upper

97 100

83 85.4 66.6 99.8

85 53.7 42.7 64.1

99 63.3 50.8 76.2

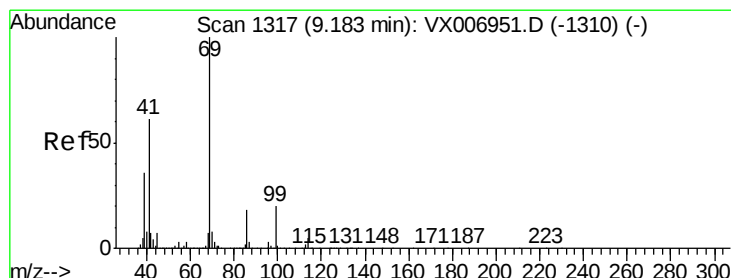
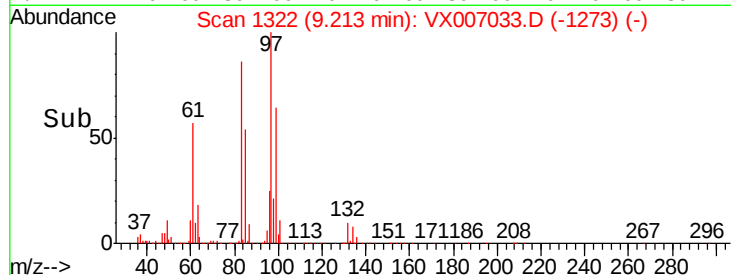
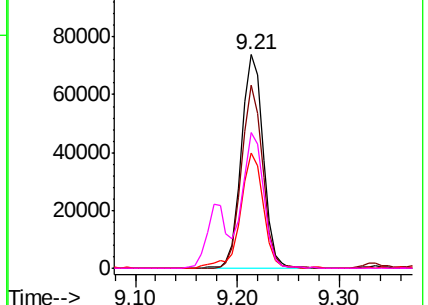


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 20.475 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

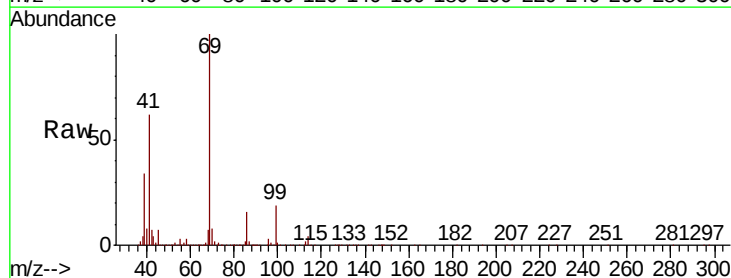
Tgt Ion: 69 Resp: 160144

Ion Ratio Lower Upper

69 100

41 62.6 48.7 73.1

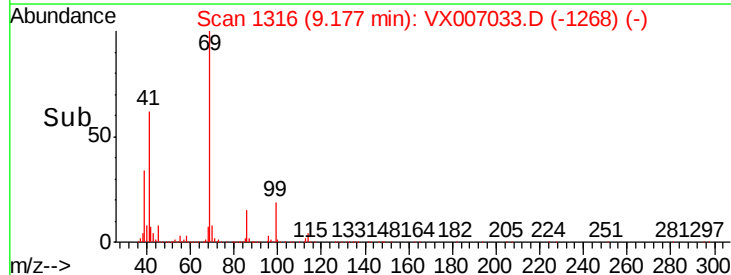
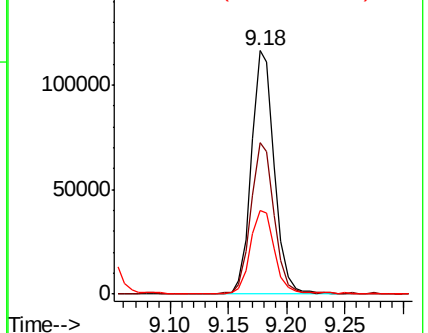
39 35.8 27.0 40.6

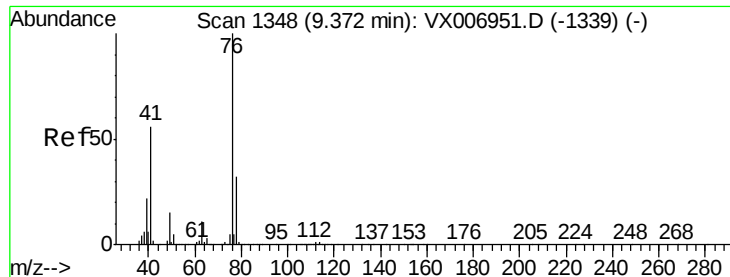


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.802 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

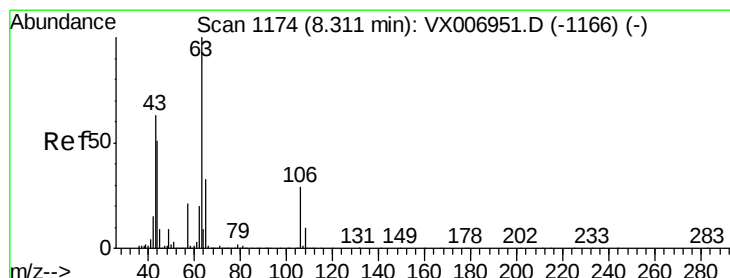
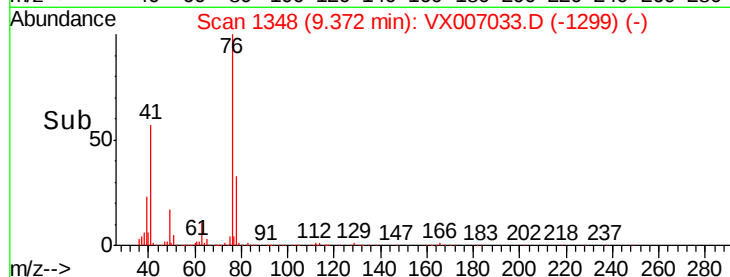
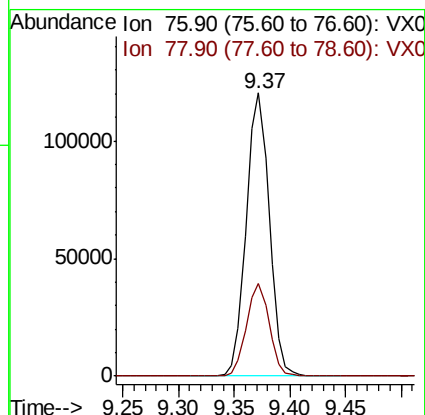
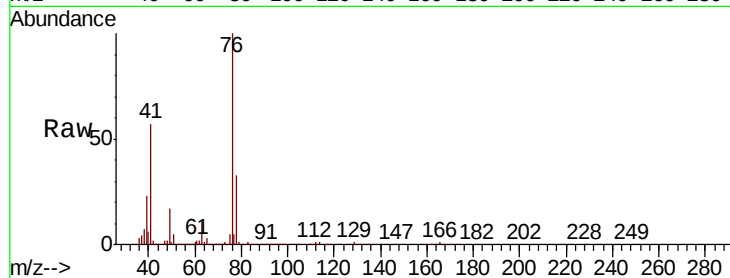
VX0114WBS01

Tgt Ion: 76 Resp: 173806

Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 100.365 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007033.D

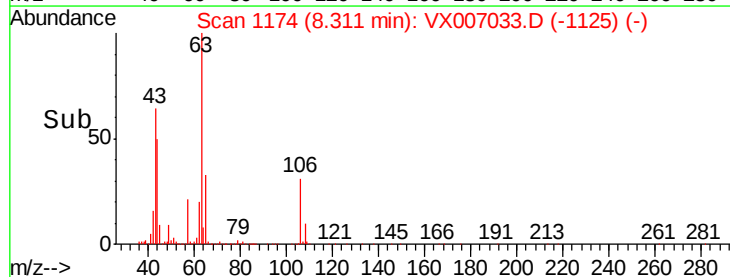
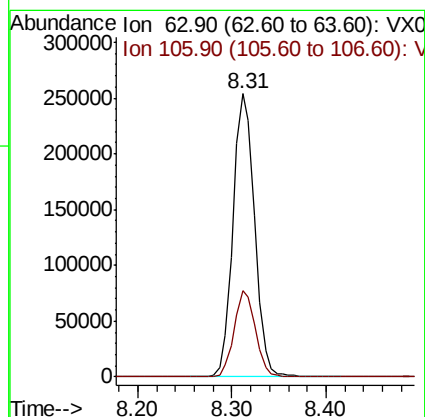
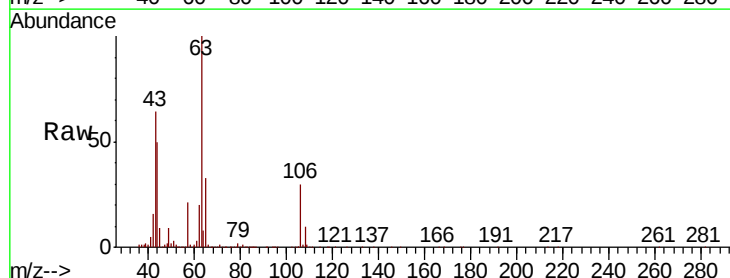
Acq: 14 Jan 2019 12:30

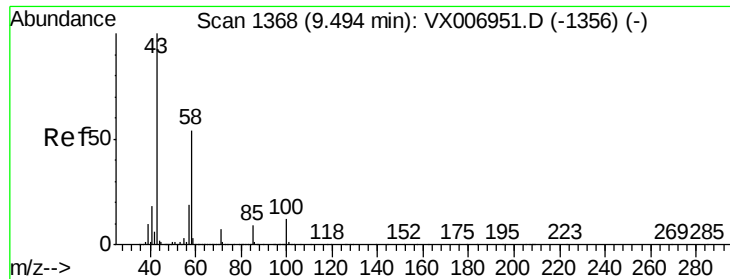
Tgt Ion: 63 Resp: 403610

Ion Ratio Lower Upper

63 100

106 30.1 24.6 36.8

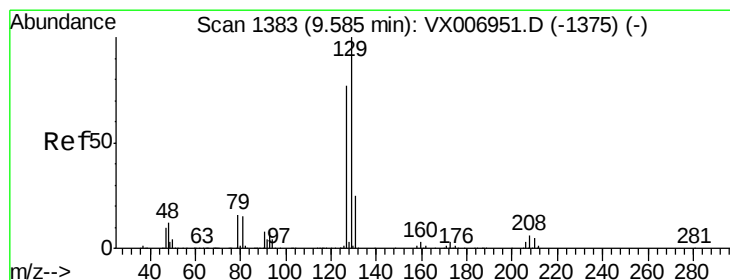
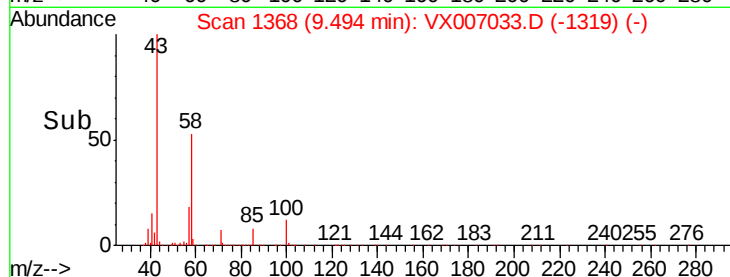
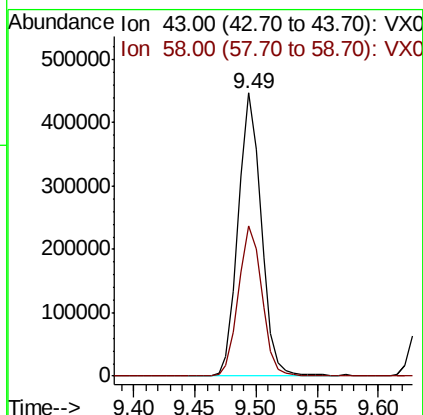
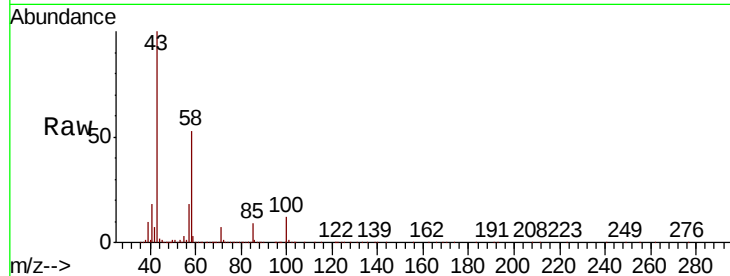




#59  
2-Hexanone  
Concen: 102.936 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

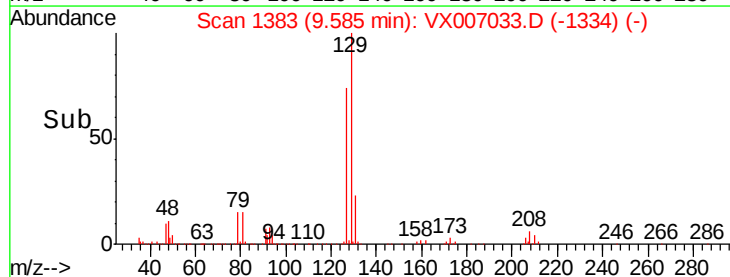
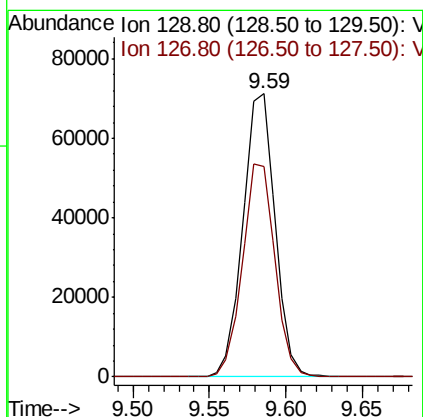
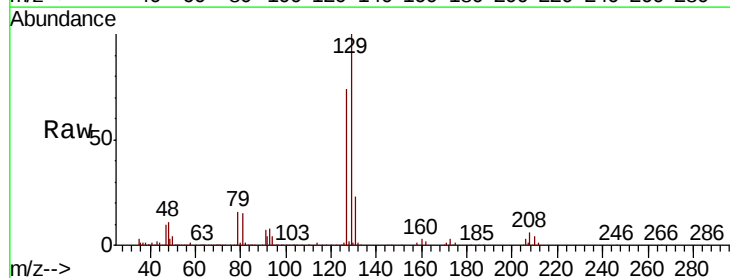
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBS01

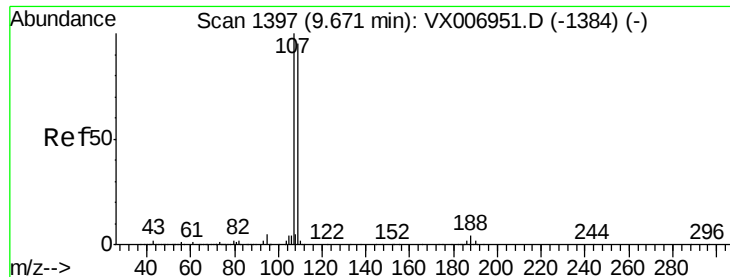
Tgt Ion: 43 Resp: 581842  
Ion Ratio Lower Upper  
43 100  
58 54.1 27.7 83.1



#60  
Dibromochloromethane  
Concen: 20.007 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Tgt Ion: 129 Resp: 104084  
Ion Ratio Lower Upper  
129 100  
127 75.8 39.3 117.8

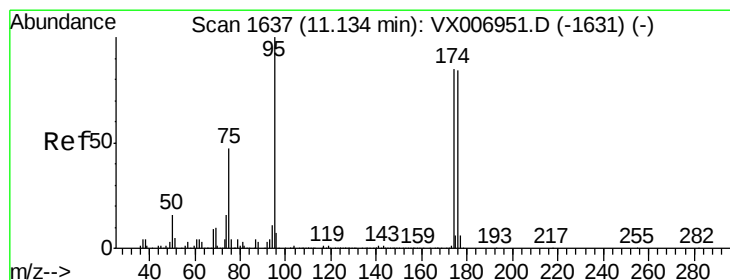
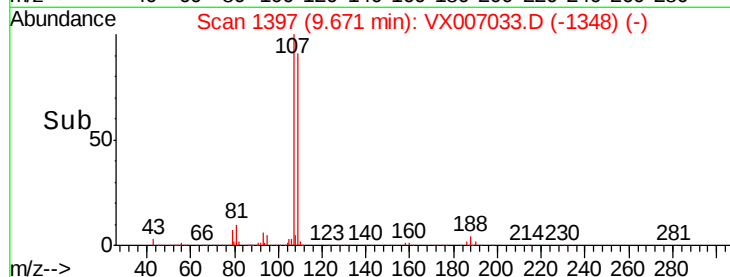
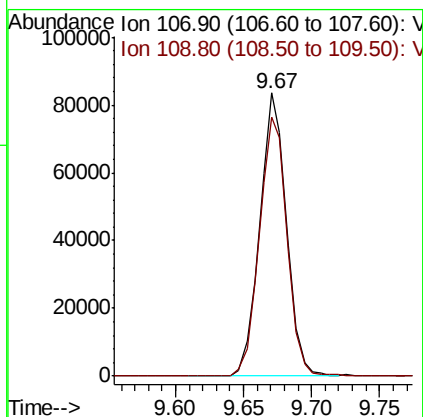
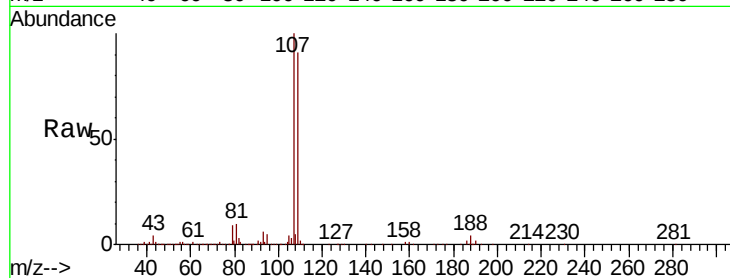




#61  
 1,2-Dibromoethane  
 Concen: 19.573 ug/l  
 RT: 9.67 min Scan# 1397  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

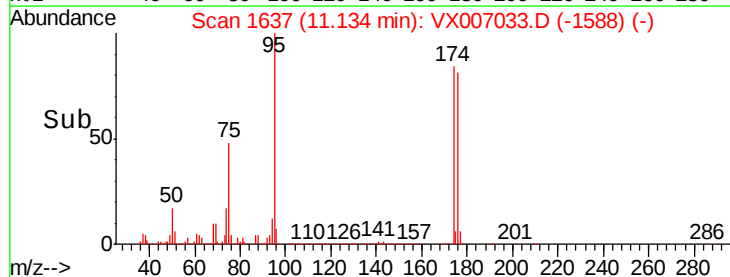
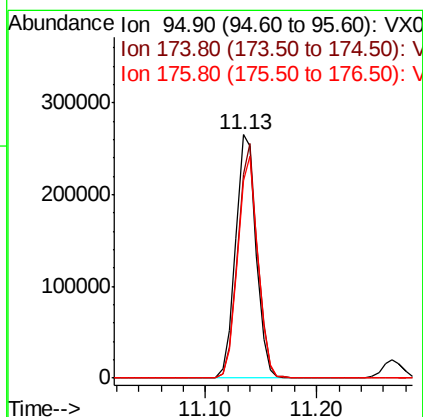
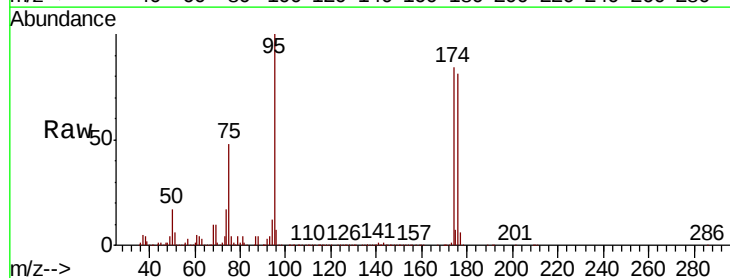
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0114WBS01

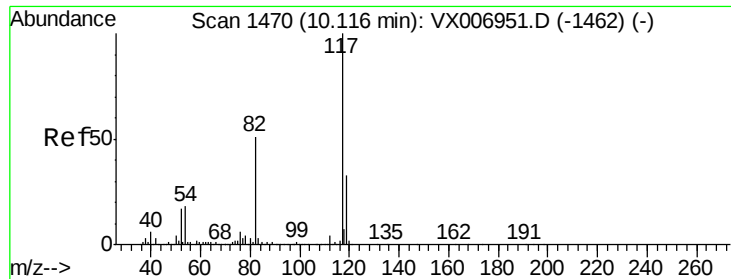
Tgt Ion: 107 Resp: 115442  
 Ion Ratio Lower Upper  
 107 100  
 109 94.4 75.8 113.6



#62  
 4-Bromofluorobenzene  
 Concen: 52.742 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

Tgt Ion: 95 Resp: 338344  
 Ion Ratio Lower Upper  
 95 100  
 174 92.9 0.0 182.2  
 176 90.0 0.0 178.8

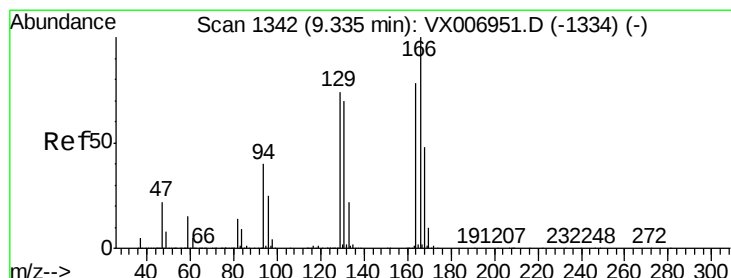
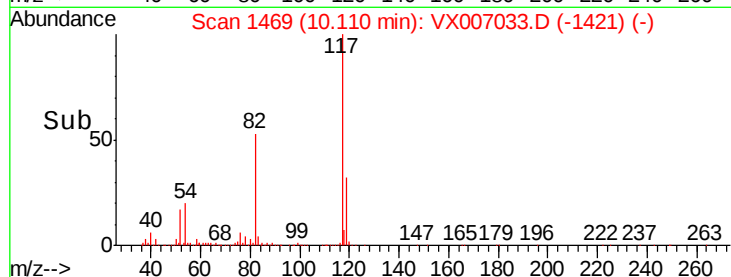
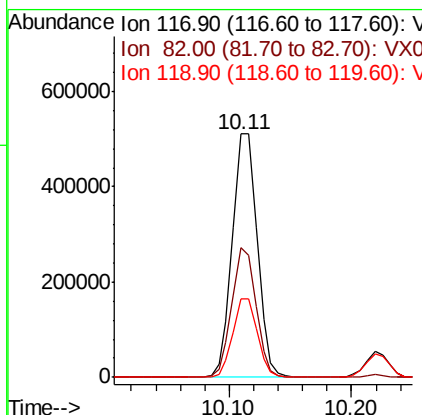
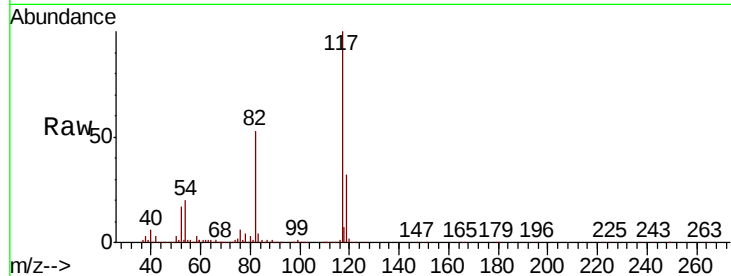




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

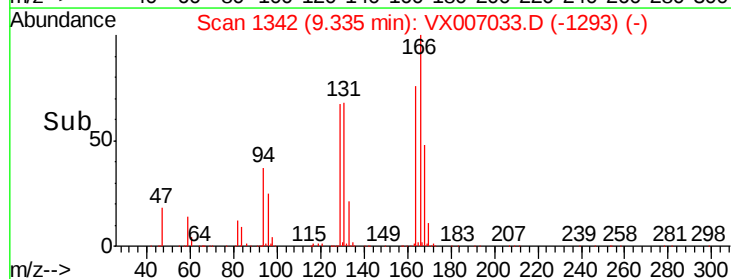
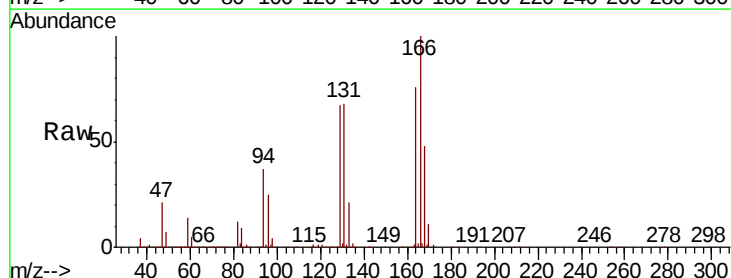
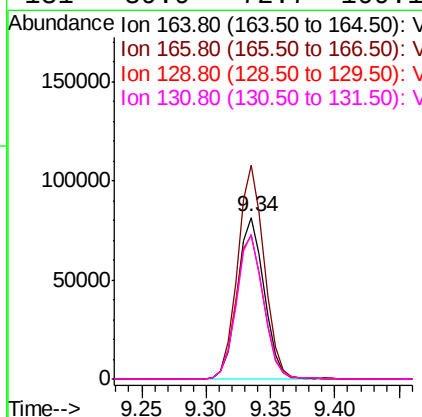
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBS01

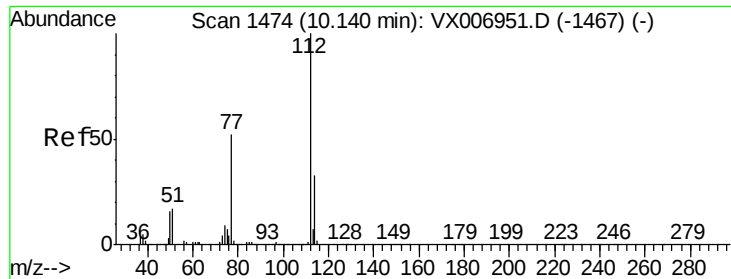
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.1  | 41.0  | 61.6  |
| 119     | 32.2  | 25.4  | 38.0  |



#64  
Tetrachloroethene  
Concen: 18.968 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 132.2 | 102.5 | 153.7 |
| 129     | 89.0  | 75.1  | 112.7 |
| 131     | 89.9  | 72.7  | 109.1 |

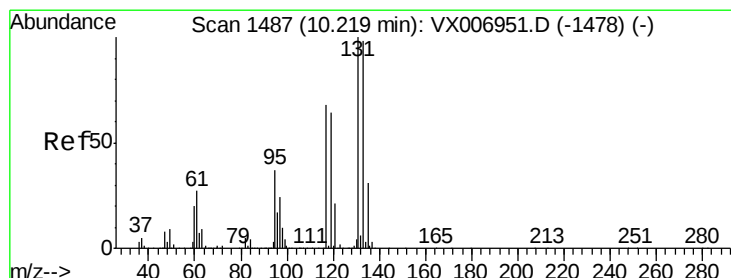
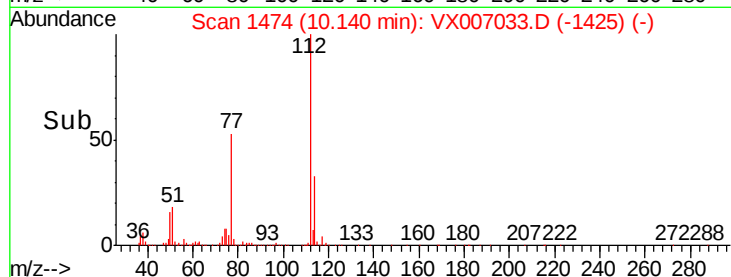
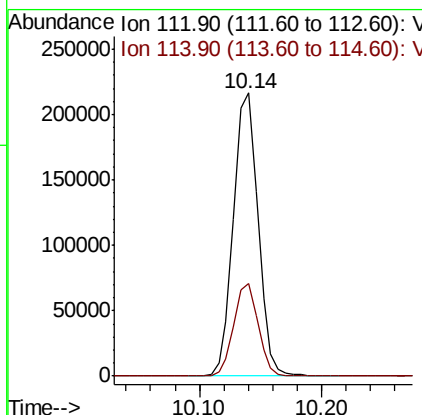
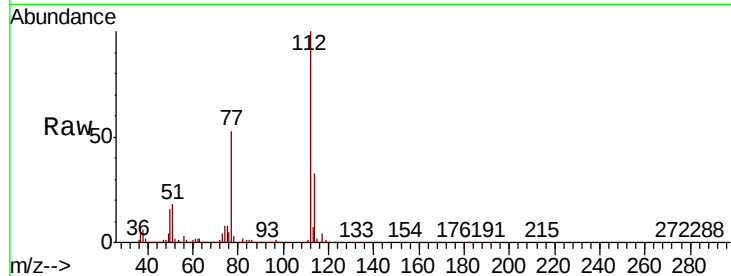




#65  
Chlorobenzene  
Concen: 19.109 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

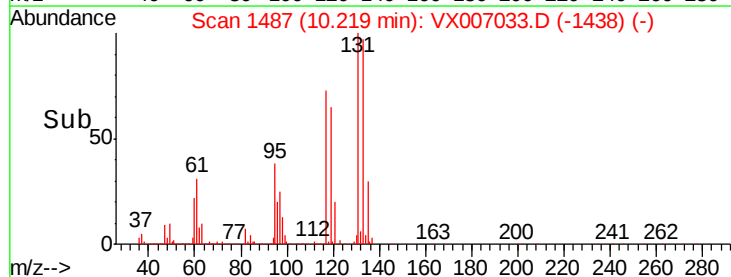
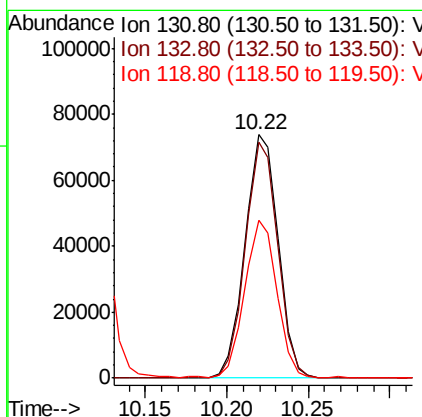
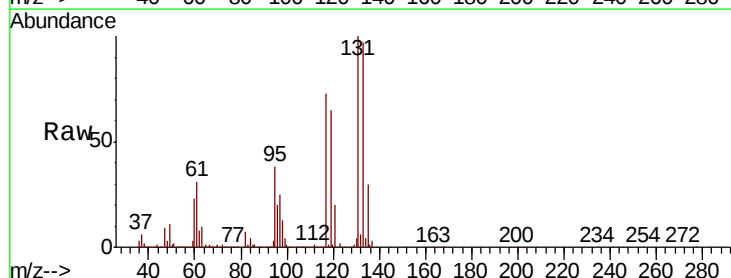
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBS01

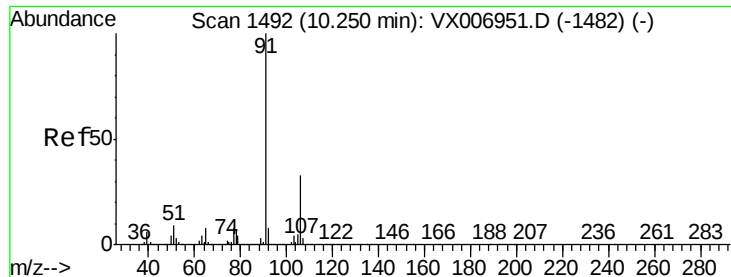
Tgt Ion:112 Resp: 301035  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.756 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Tgt Ion:131 Resp: 104701  
Ion Ratio Lower Upper  
131 100  
133 95.2 48.0 144.2  
119 63.5 32.6 97.8





#67

Ethyl Benzene

Concen: 19.177 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

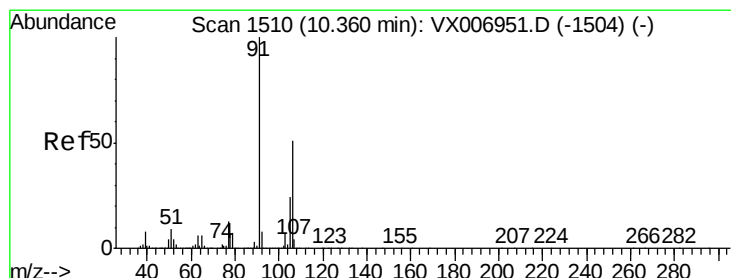
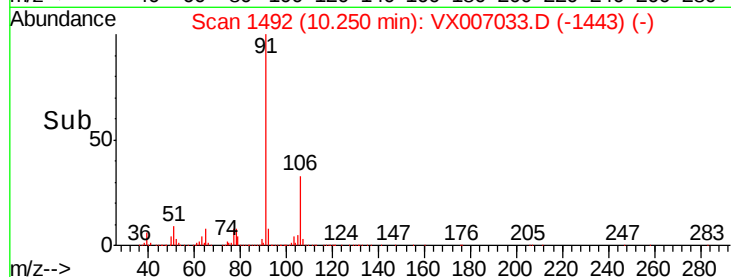
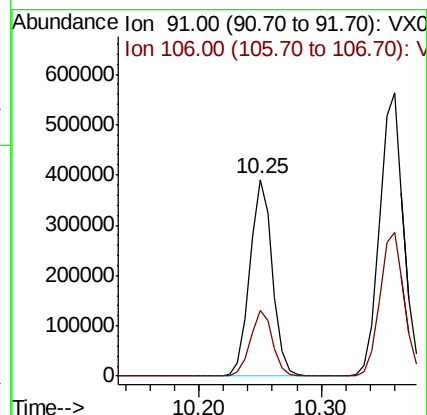
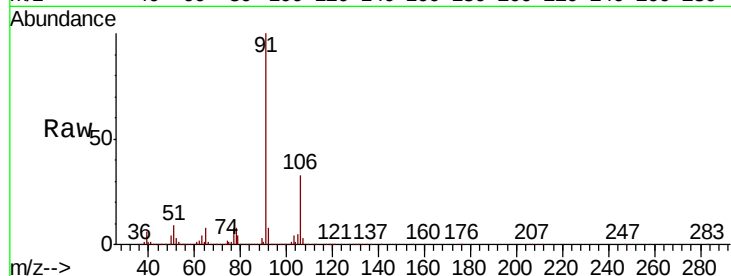
VX0114WBS01

Tgt Ion: 91 Resp: 498741

Ion Ratio Lower Upper

91 100

106 33.1 26.4 39.6



#68

m/p-Xylenes

Concen: 38.360 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007033.D

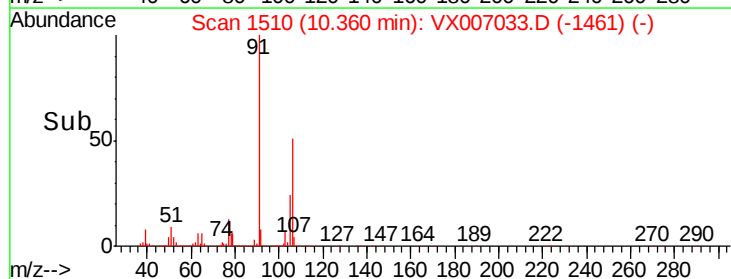
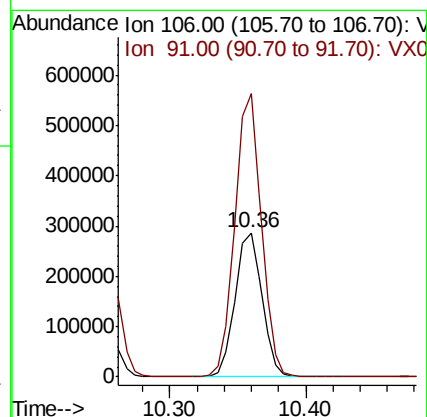
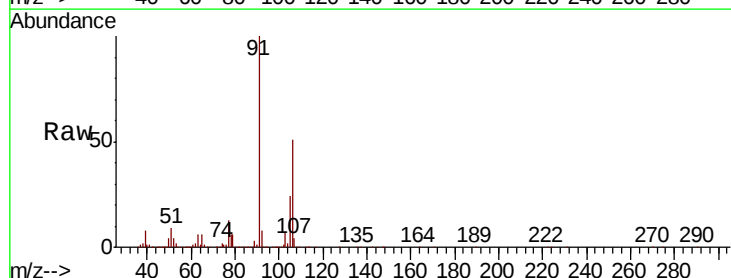
Acq: 14 Jan 2019 12:30

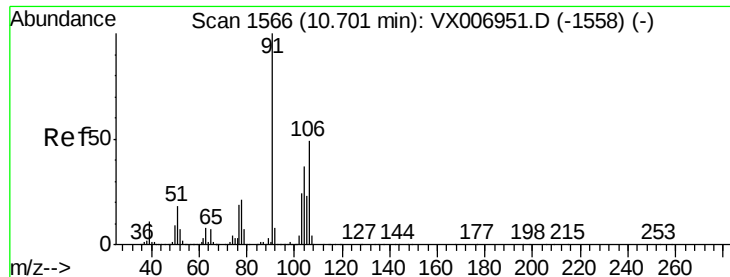
Tgt Ion: 106 Resp: 393061

Ion Ratio Lower Upper

106 100

91 193.8 155.8 233.6

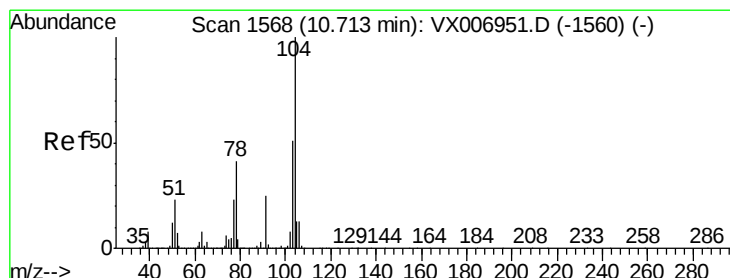
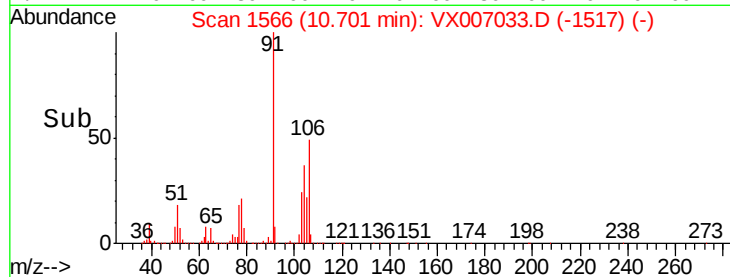
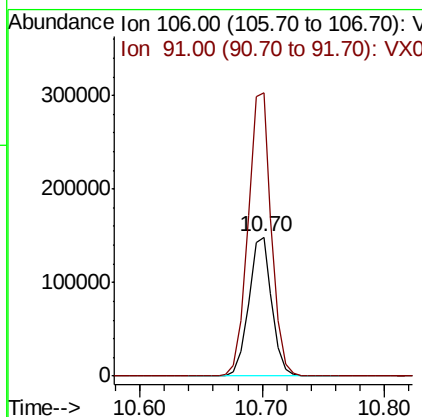
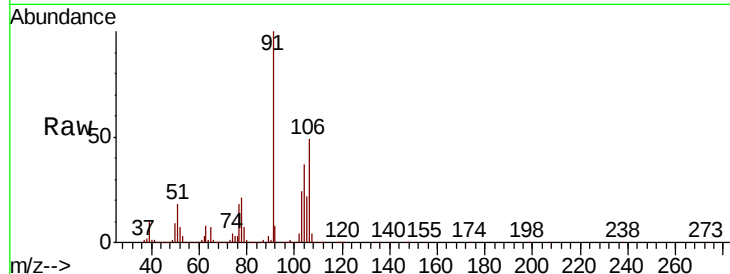




#69  
o-Xylene  
Concen: 19.449 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

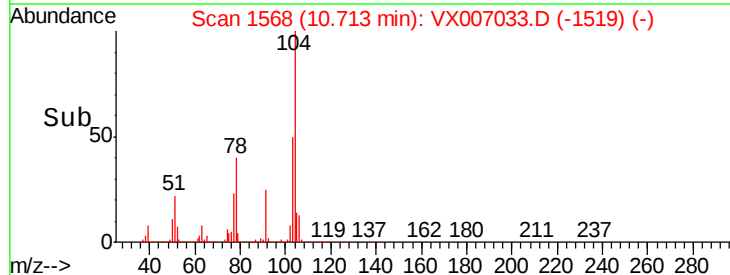
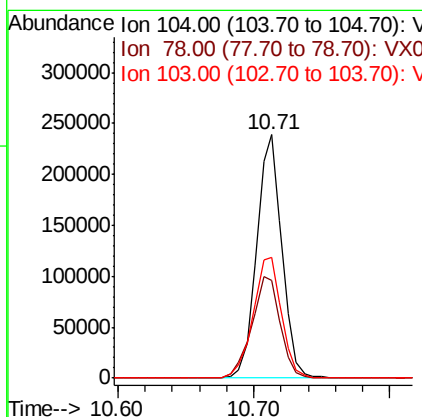
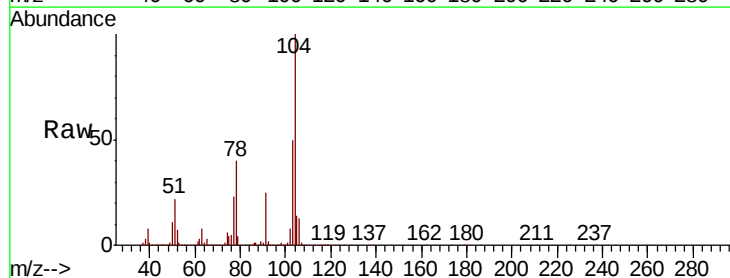
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBS01

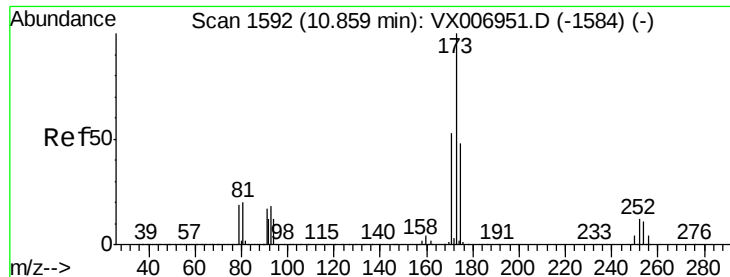
Tgt Ion:106 Resp: 194360  
Ion Ratio Lower Upper  
106 100  
91 205.8 101.3 303.7



#70  
Styrene  
Concen: 19.633 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Tgt Ion:104 Resp: 310730  
Ion Ratio Lower Upper  
104 100  
78 47.3 37.7 56.5  
103 56.2 43.8 65.8





#71

Bromoform

Concen: 19.075 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0114WBS01

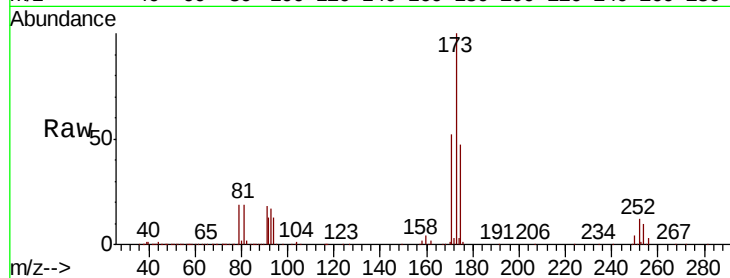
Tgt Ion:173 Resp: 75131

Ion Ratio Lower Upper

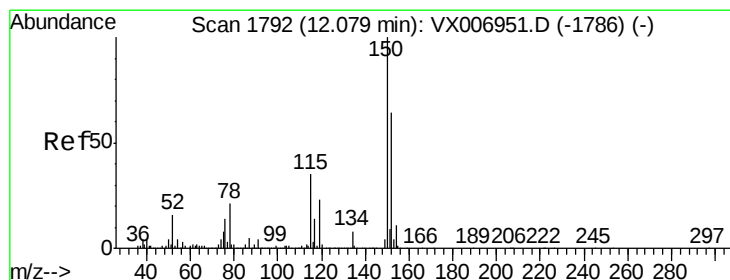
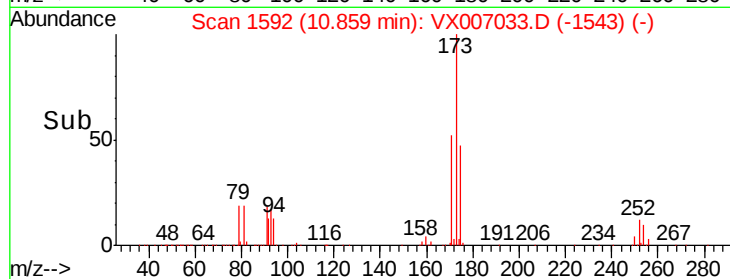
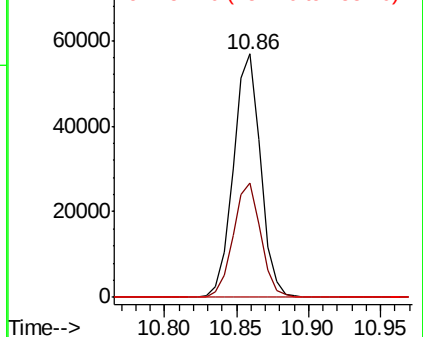
173 100

175 47.8 24.7 74.1

254 0.2 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: VX007033.D

Acq: 14 Jan 2019 12:30

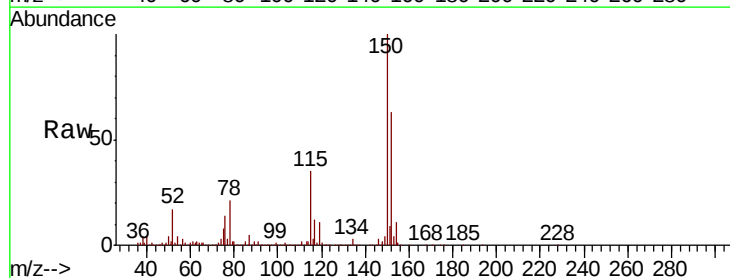
Tgt Ion:152 Resp: 362980

Ion Ratio Lower Upper

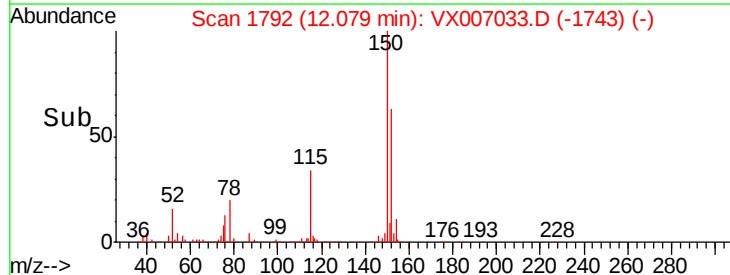
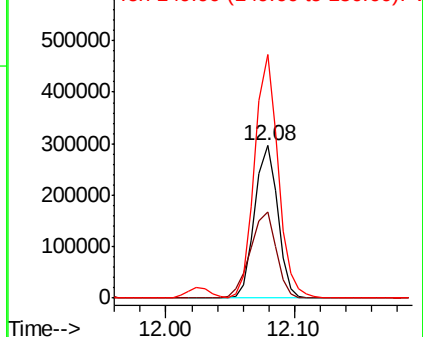
152 100

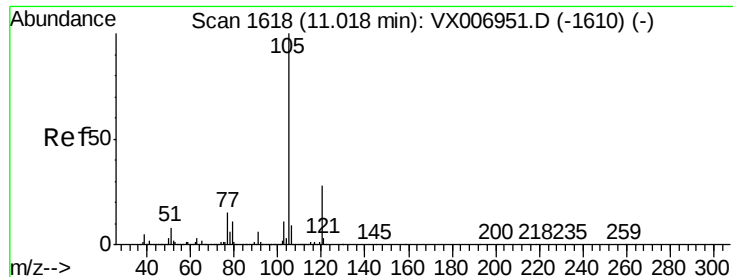
115 63.5 39.1 117.2

150 163.1 0.0 344.8



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





#73

Isopropylbenzene

Concen: 20.112 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

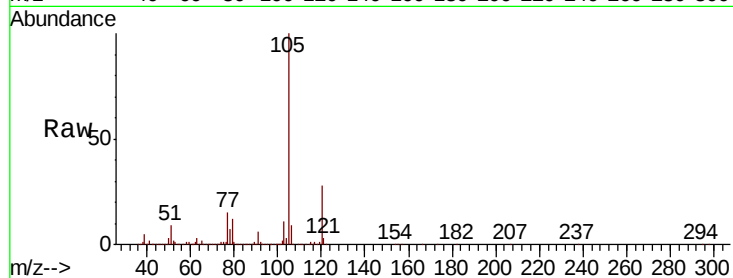
VX0114WBS01

Tgt Ion: 105 Resp: 514761

Ion Ratio Lower Upper

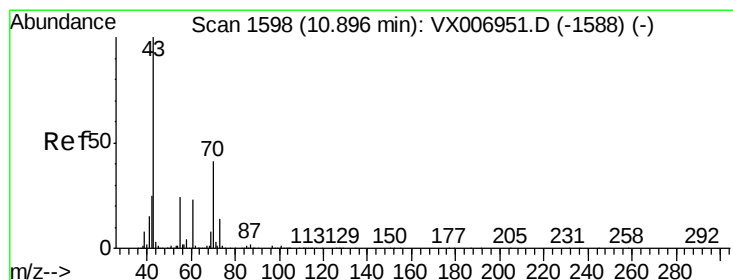
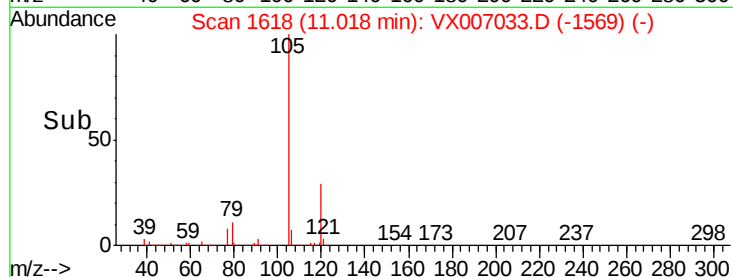
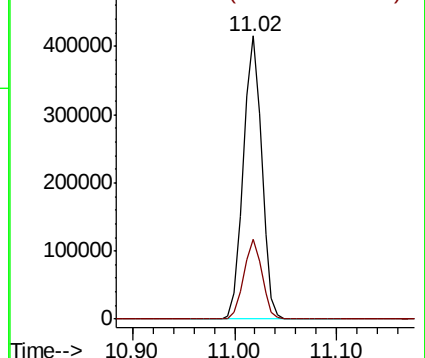
105 100

120 27.9 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.622 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Tgt Ion: 43 Resp: 202204

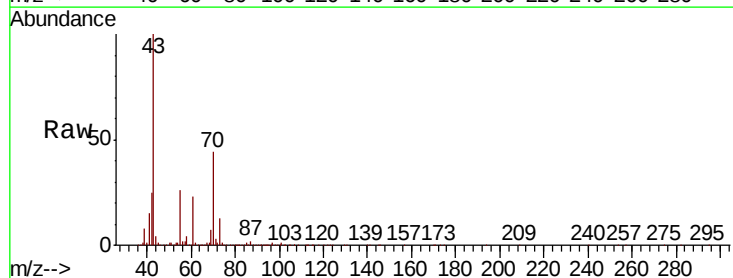
Ion Ratio Lower Upper

43 100

70 43.7 35.8 53.8

55 25.4 19.4 29.0

61 23.9 20.1 30.1

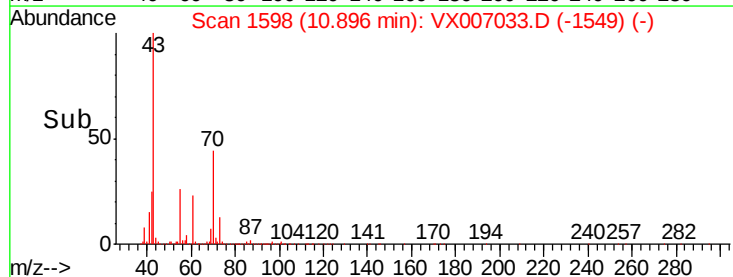
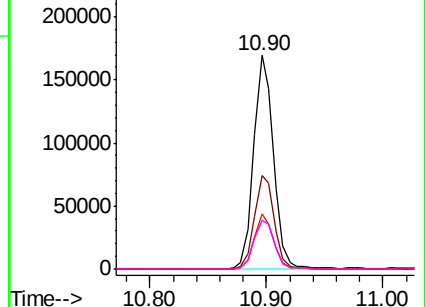


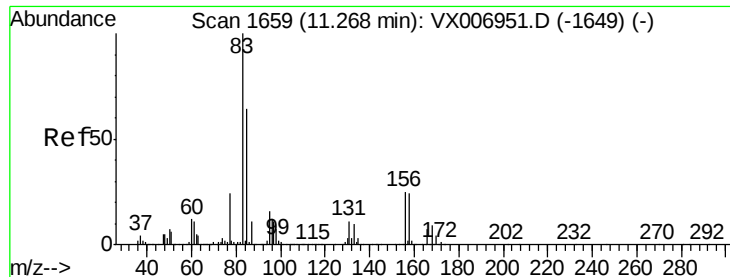
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.984 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0114WBS01

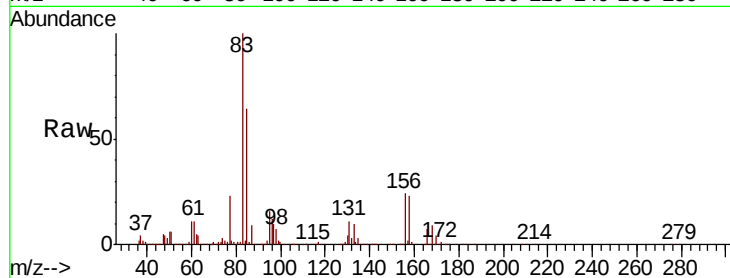
Tgt Ion: 83 Resp: 162386

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.1

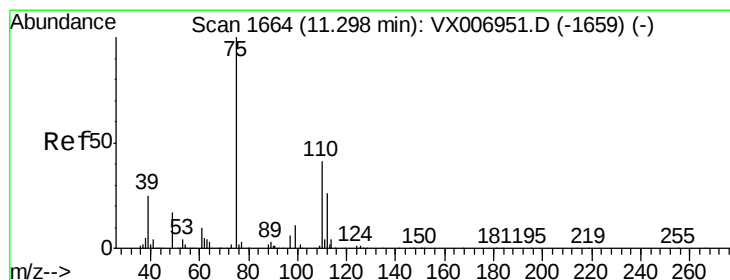
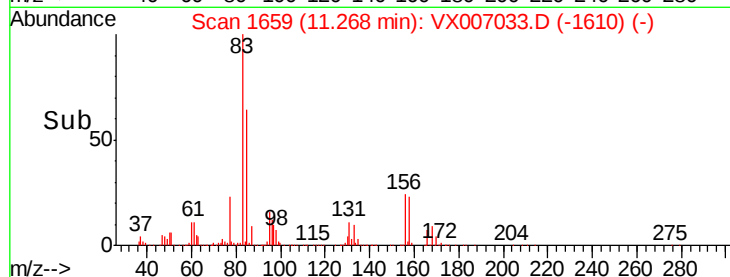
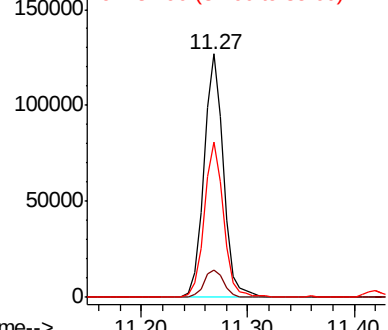
85 63.3 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.992 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX007033.D

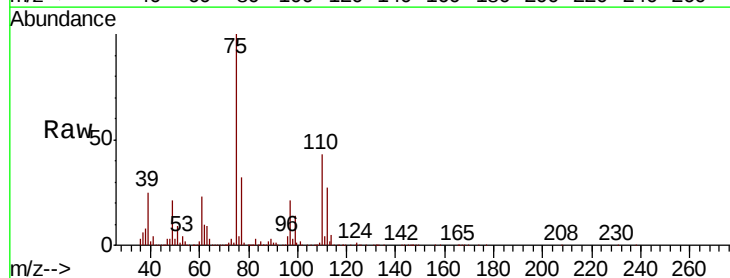
Acq: 14 Jan 2019 12:30

Tgt Ion: 75 Resp: 176477

Ion Ratio Lower Upper

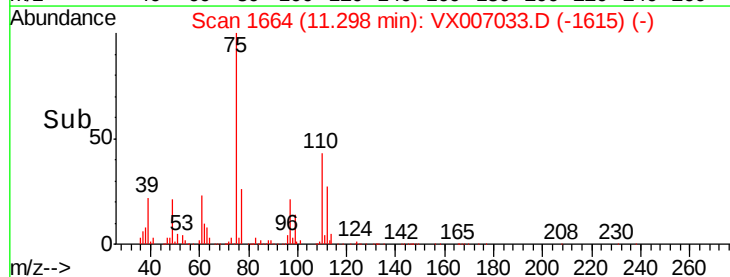
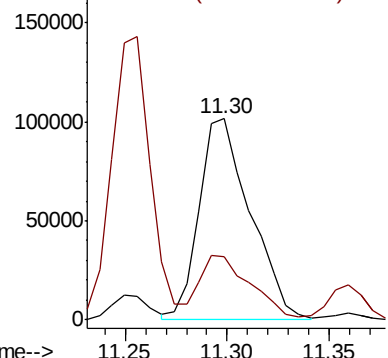
75 100

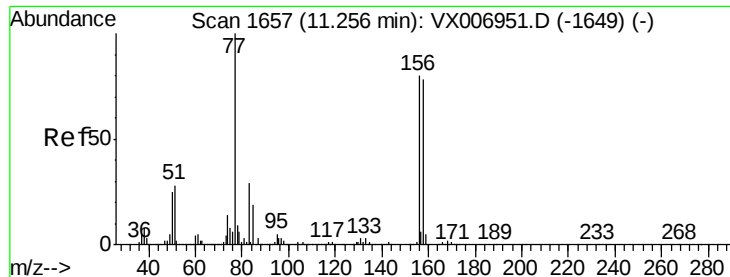
77 31.1 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.915 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0114WBS01

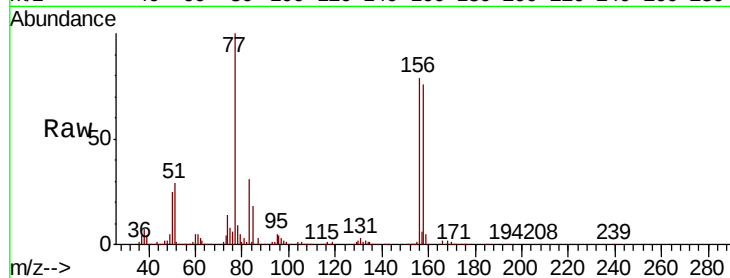
Tgt Ion:156 Resp: 140451

Ion Ratio Lower Upper

156 100

77 135.1 68.0 204.0

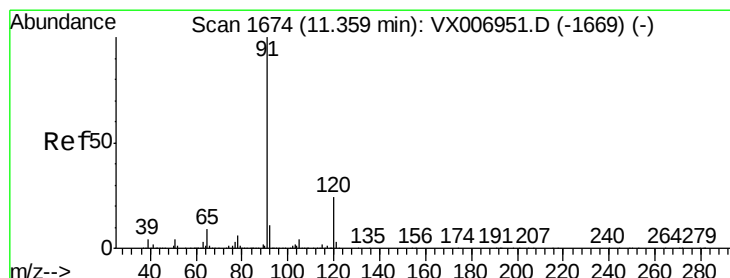
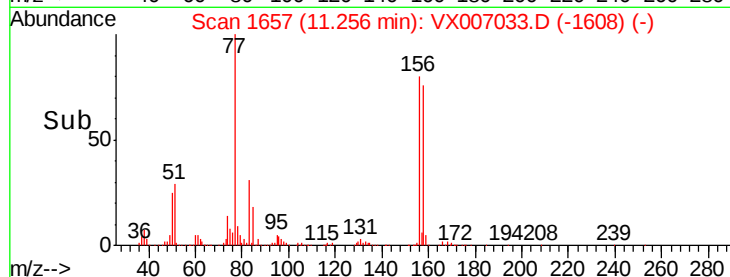
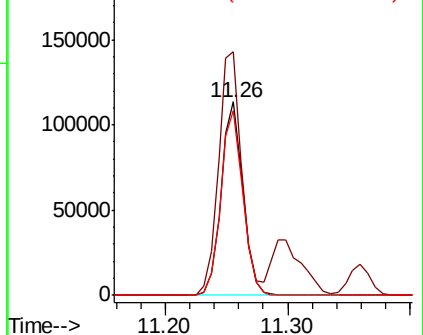
158 96.9 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.167 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007033.D

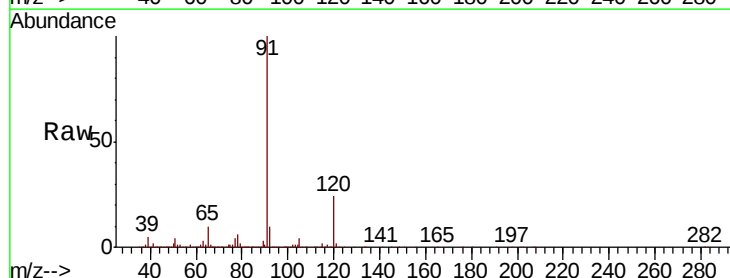
Acq: 14 Jan 2019 12:30

Tgt Ion: 91 Resp: 566649

Ion Ratio Lower Upper

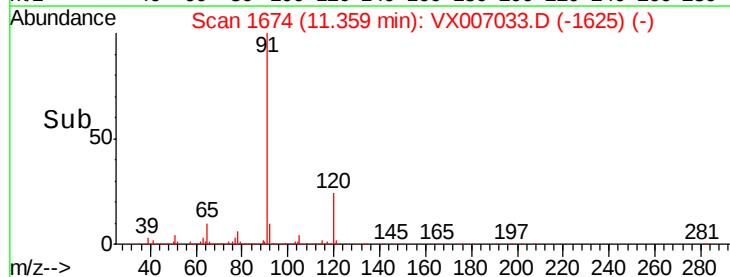
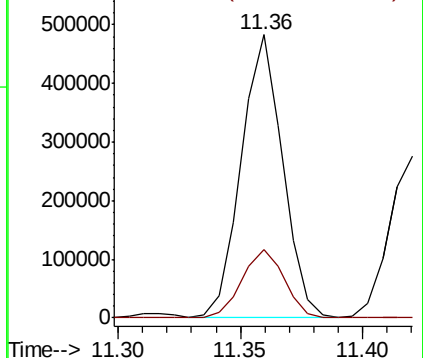
91 100

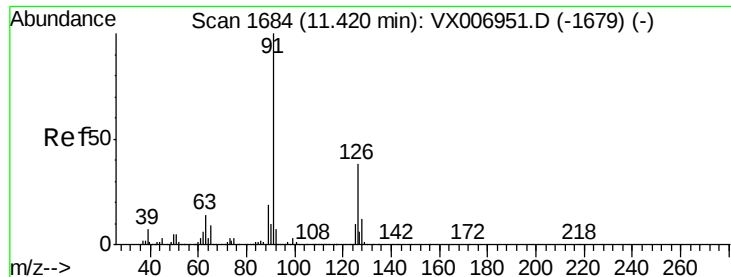
120 24.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

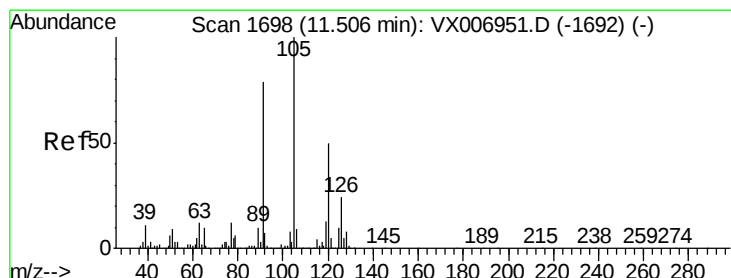
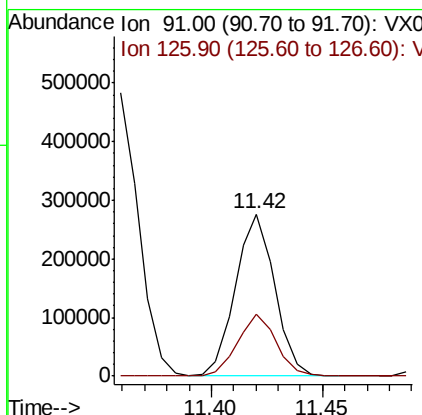
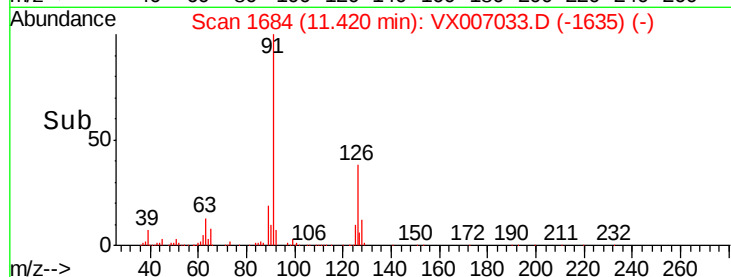
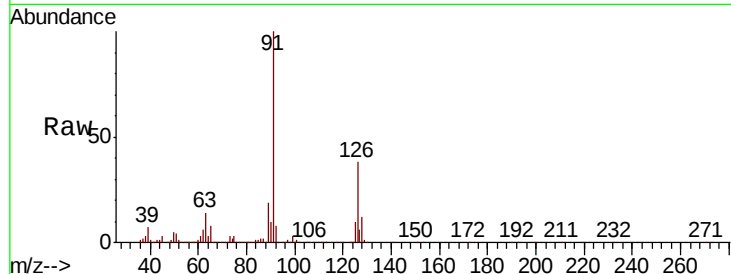




#79  
 2-Chlorotoluene  
 Concen: 19.948 ug/l  
 RT: 11.42 min Scan# 1684  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

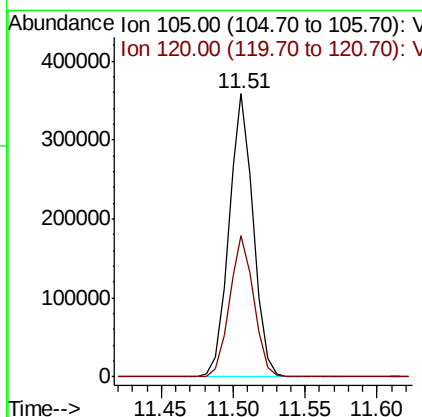
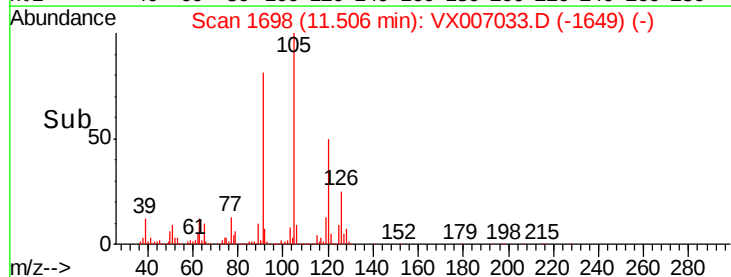
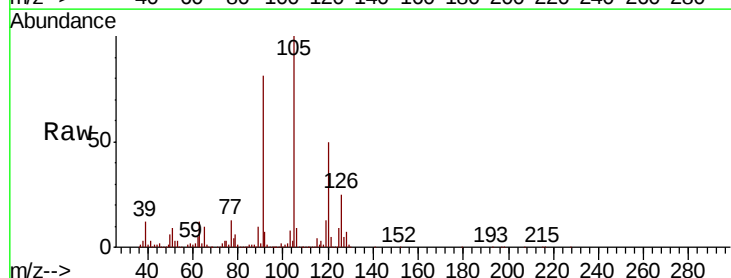
Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX0114WBS01

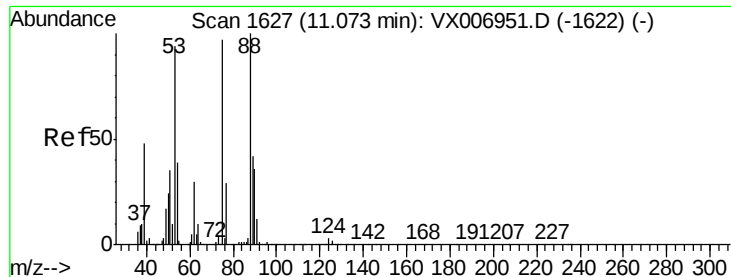
Tgt Ion: 91 Resp: 337401  
 Ion Ratio Lower Upper  
 91 100  
 126 37.6 18.6 56.0



#80  
 1,3,5-Trimethylbenzene  
 Concen: 19.699 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

Tgt Ion: 105 Resp: 421293  
 Ion Ratio Lower Upper  
 105 100  
 120 50.2 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.536 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0114WBS01

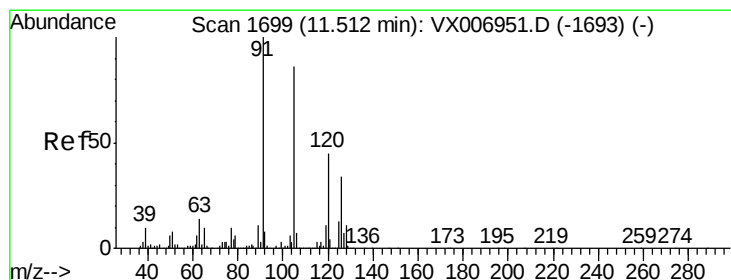
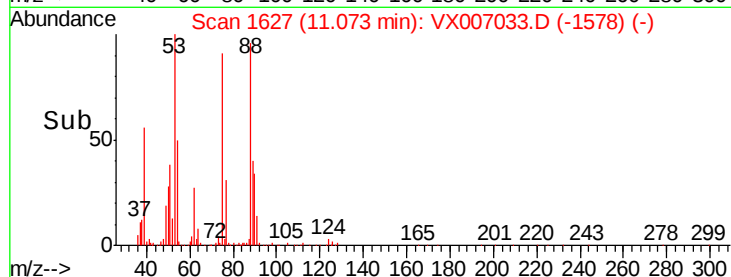
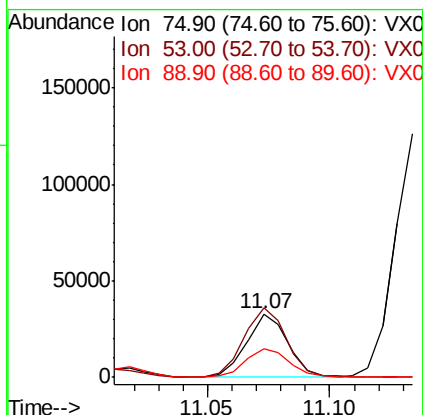
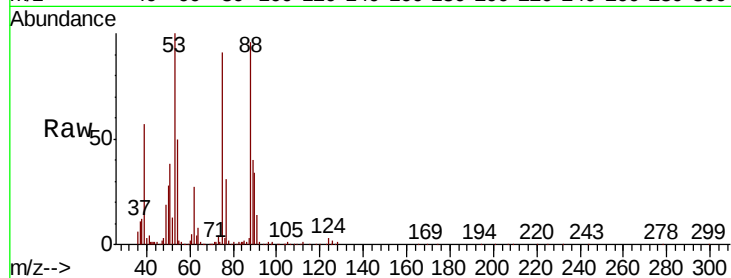
Tgt Ion: 75 Resp: 38904

Ion Ratio Lower Upper

75 100

53 112.2 79.7 119.5

89 48.0 38.0 57.0



#82

4-Chlorotoluene

Concen: 19.710 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007033.D

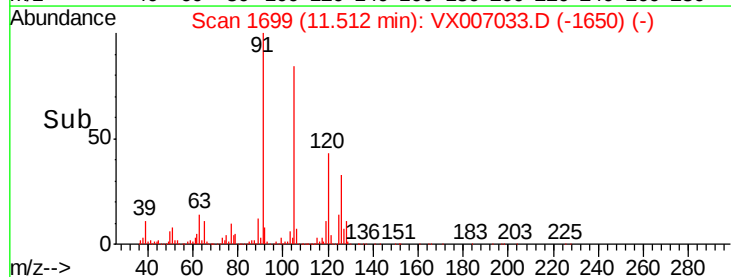
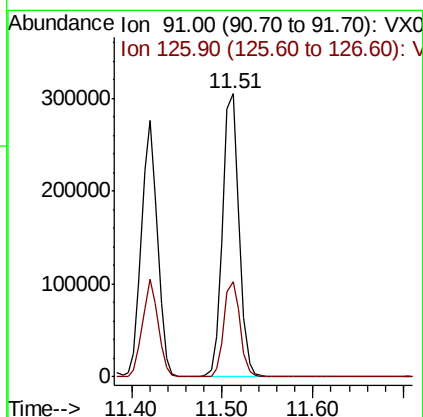
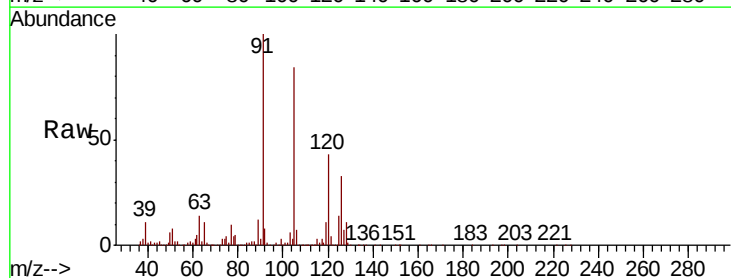
Acq: 14 Jan 2019 12:30

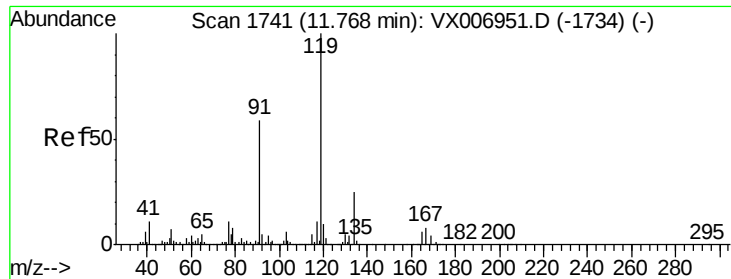
Tgt Ion: 91 Resp: 385984

Ion Ratio Lower Upper

91 100

126 33.2 16.3 48.9

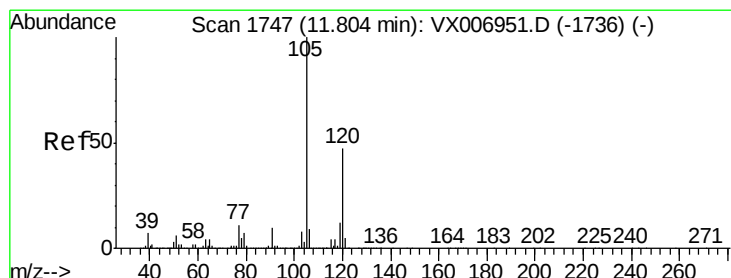
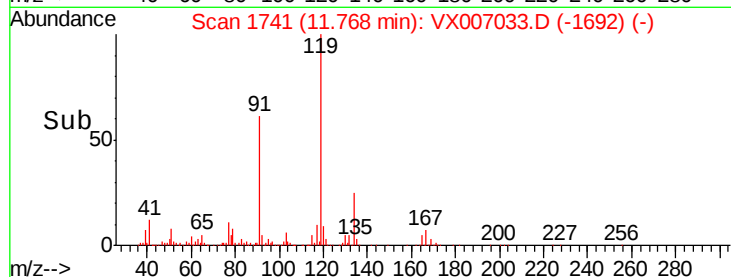
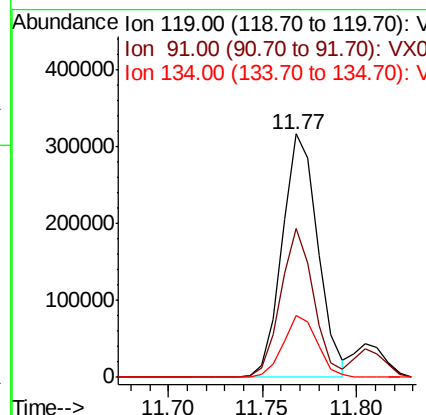
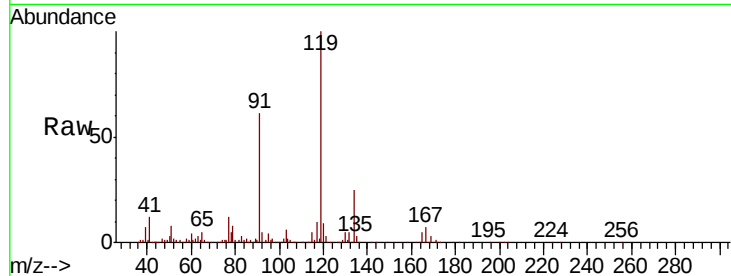




#83  
 tert-Butylbenzene  
 Concen: 19.455 ug/l  
 RT: 11.77 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

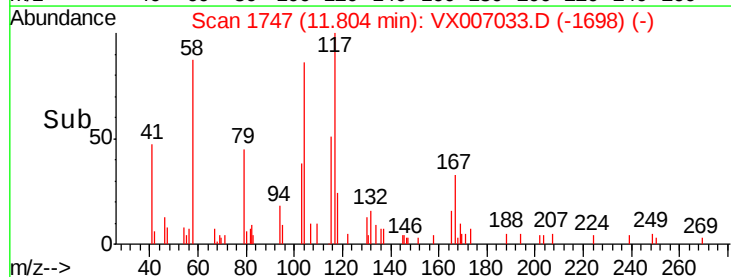
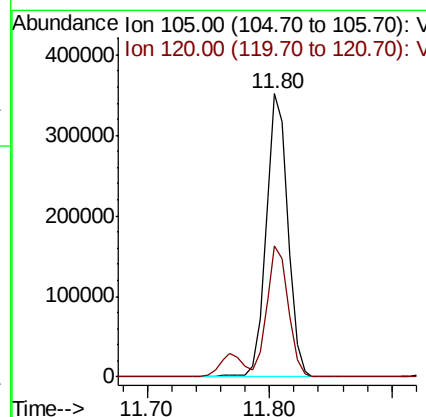
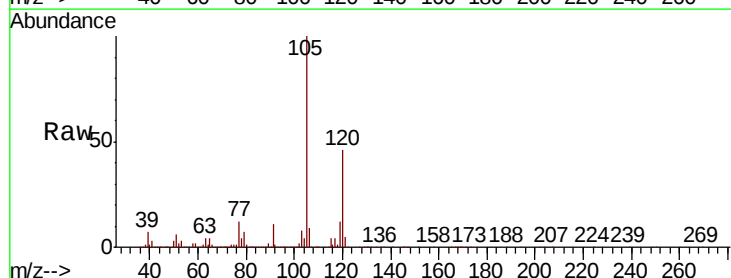
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0114WBS01

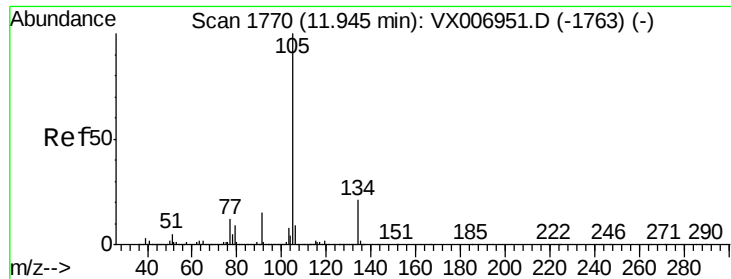
Tgt Ion:119 Resp: 415125  
 Ion Ratio Lower Upper  
 119 100  
 91 56.6 27.7 83.1  
 134 24.4 11.9 35.5



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.243 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

Tgt Ion:105 Resp: 435343  
 Ion Ratio Lower Upper  
 105 100  
 120 45.4 23.2 69.6





#85

sec-Butylbenzene

Concen: 19.964 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

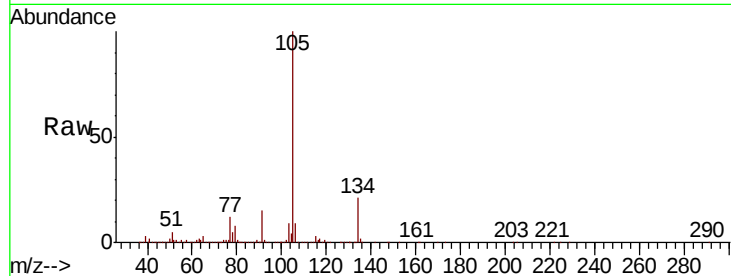
VX0114WBS01

Tgt Ion:105 Resp: 508756

Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

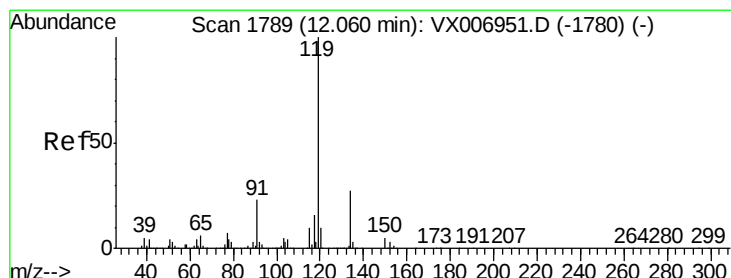
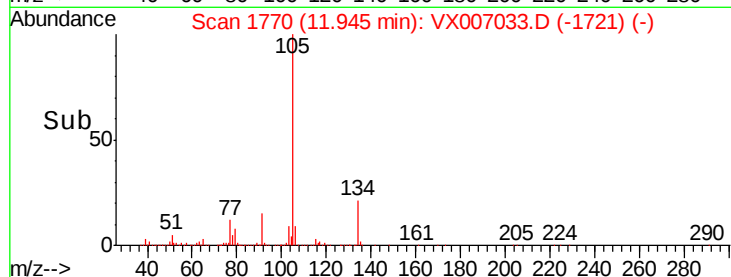
300000

200000

100000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 19.754 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

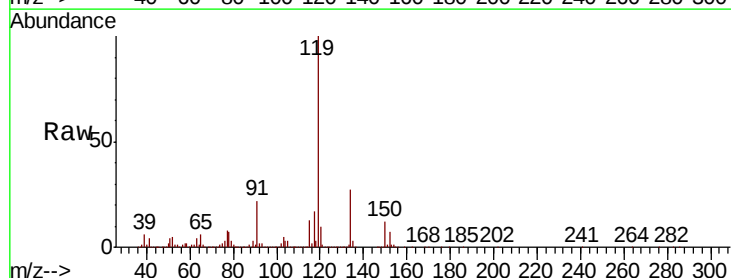
Tgt Ion:119 Resp: 450268

Ion Ratio Lower Upper

119 100

134 27.8 14.0 41.9

91 22.4 11.3 33.9



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

12.06

400000

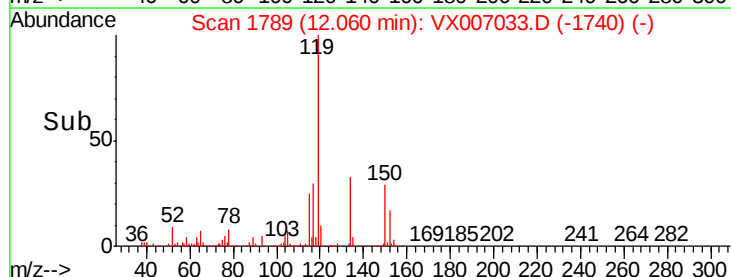
300000

200000

100000

0

Time--> 12.00 12.10

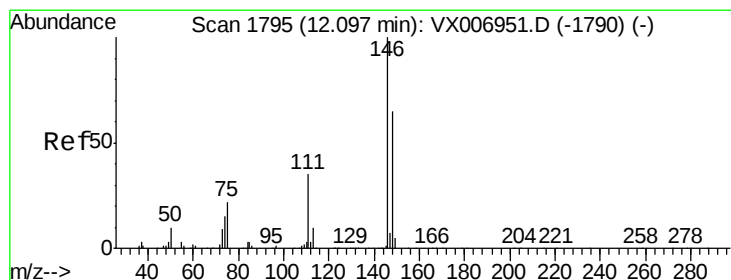
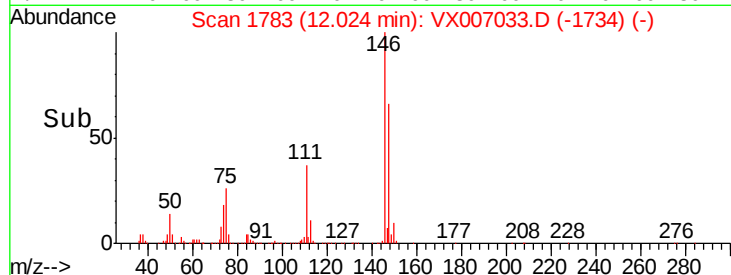
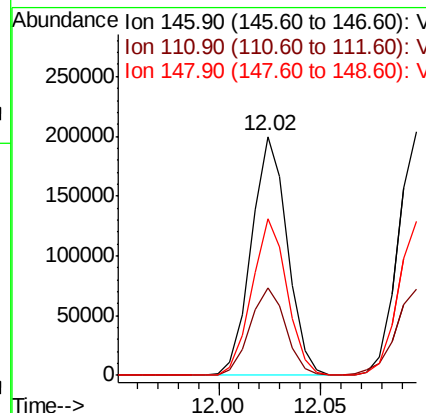
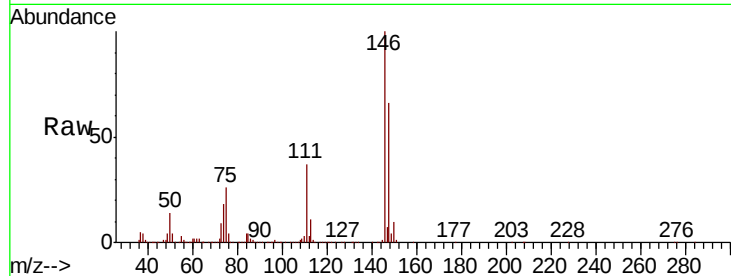




#87  
 1,3-Dichlorobenzene  
 Concen: 19.187 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

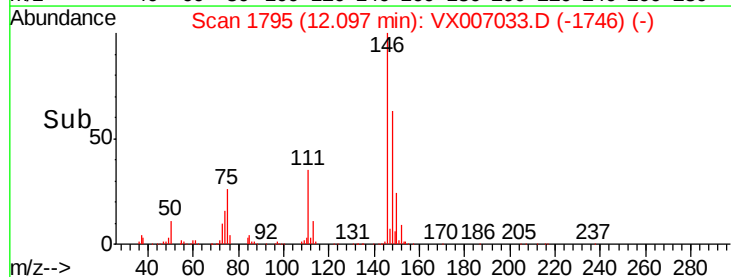
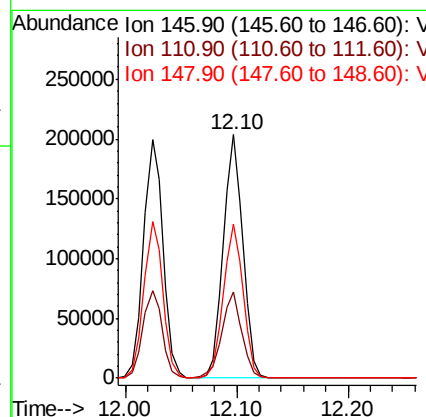
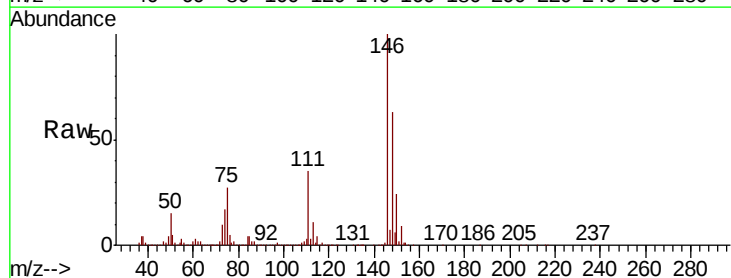
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0114WBS01

Tgt Ion:146 Resp: 244574  
 Ion Ratio Lower Upper  
 146 100  
 111 36.5 18.6 55.8  
 148 64.4 31.8 95.3



#88  
 1,4-Dichlorobenzene  
 Concen: 20.597 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

Tgt Ion:146 Resp: 247734  
 Ion Ratio Lower Upper  
 146 100  
 111 36.2 18.1 54.1  
 148 63.6 31.9 95.9

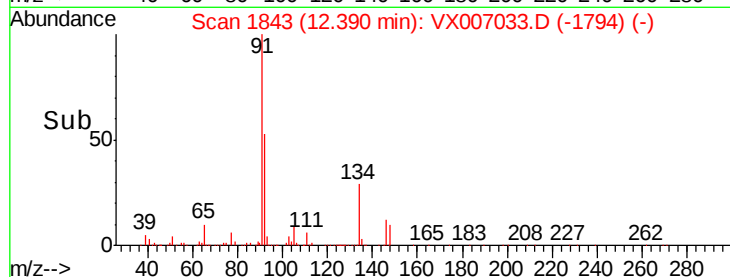
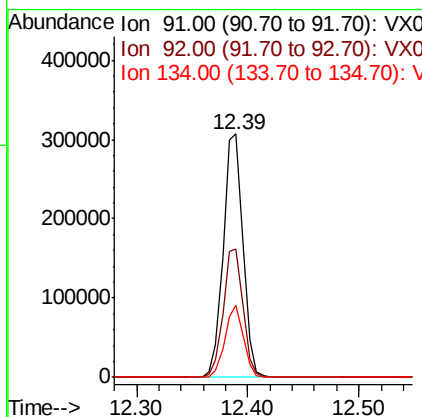
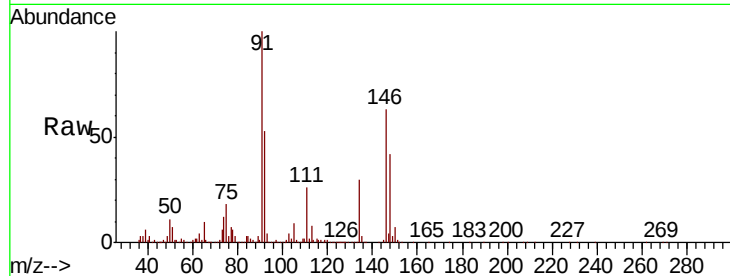




#89  
n-Butylbenzene  
Concen: 19.359 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

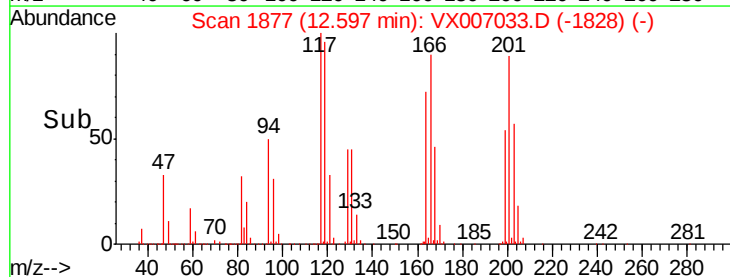
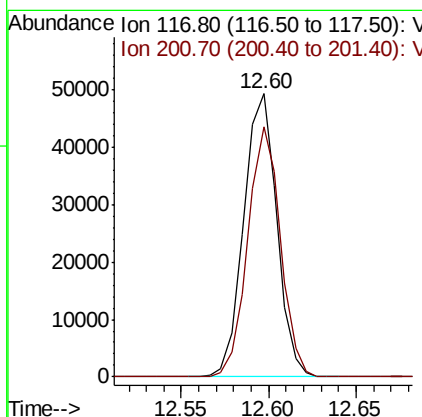
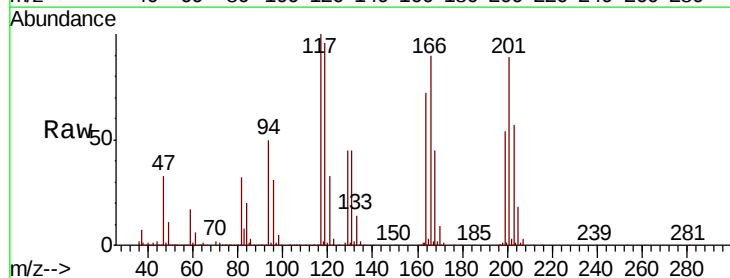
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBS01

Tgt Ion: 91 Resp: 376174  
Ion Ratio Lower Upper  
91 100  
92 52.7 26.8 80.4  
134 27.9 14.4 43.2



#90  
Hexachloroethane  
Concen: 19.671 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Tgt Ion: 117 Resp: 64767  
Ion Ratio Lower Upper  
117 100  
201 87.2 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 19.087 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0114WBS01

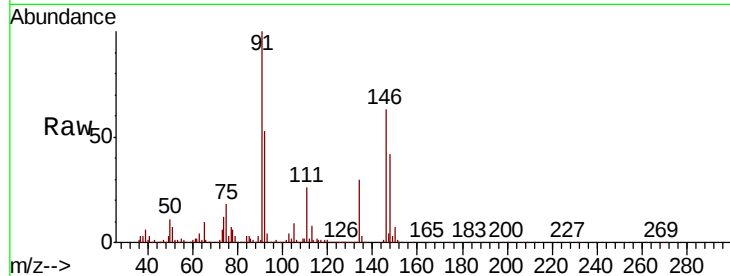
Tgt Ion:146 Resp: 240104

Ion Ratio Lower Upper

146 100

111 39.0 19.4 58.2

148 65.0 32.3 96.9

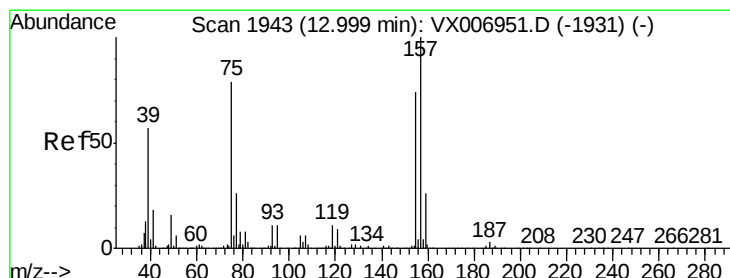
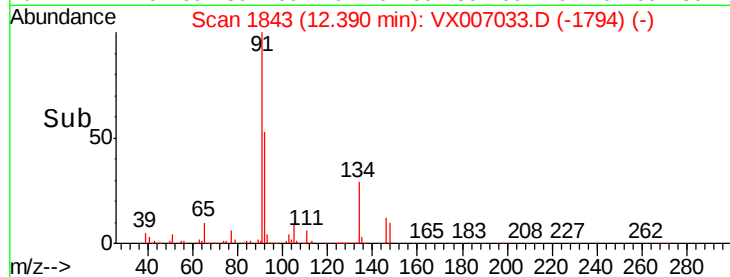
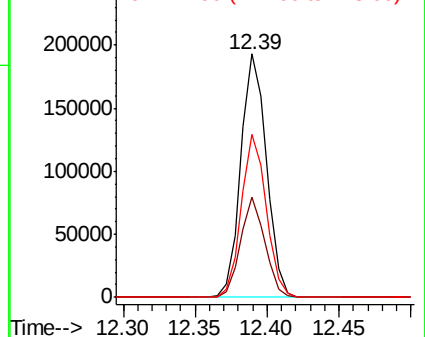


Abundance

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: 19.884 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007033.D

Acq: 14 Jan 2019 12:30

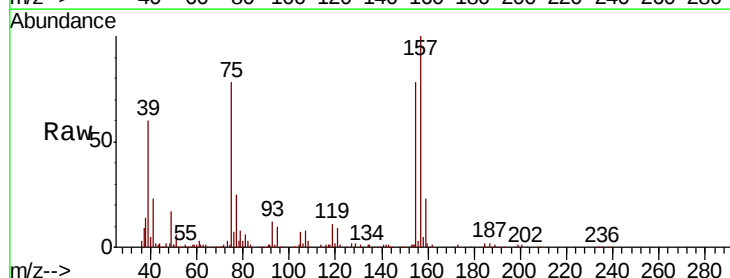
Tgt Ion: 75 Resp: 31954

Ion Ratio Lower Upper

75 100

155 99.7 50.6 151.8

157 128.4 64.6 193.8

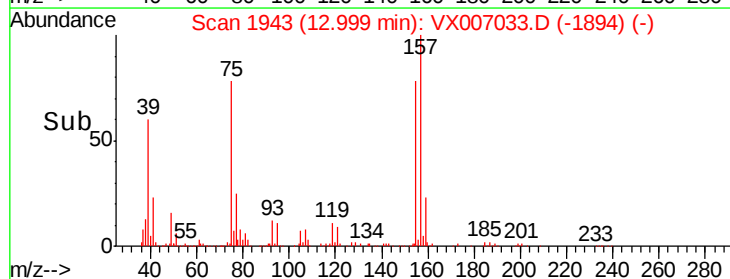
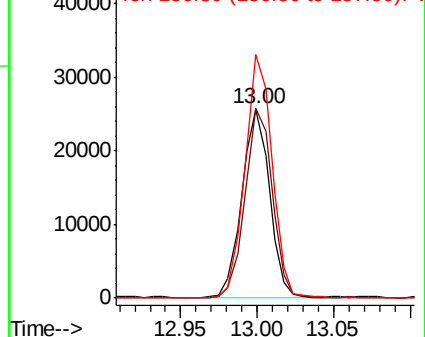


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

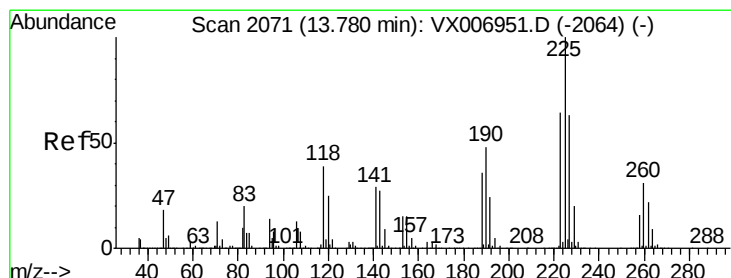
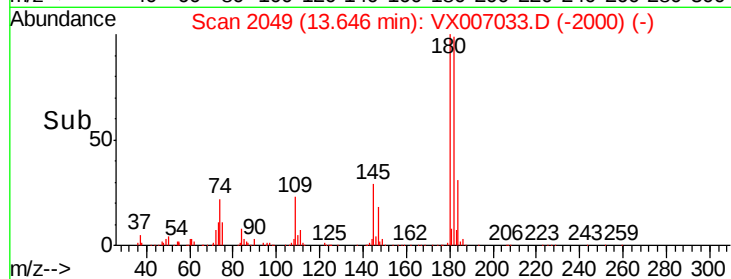
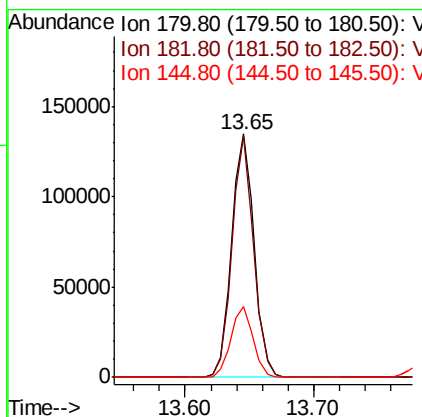
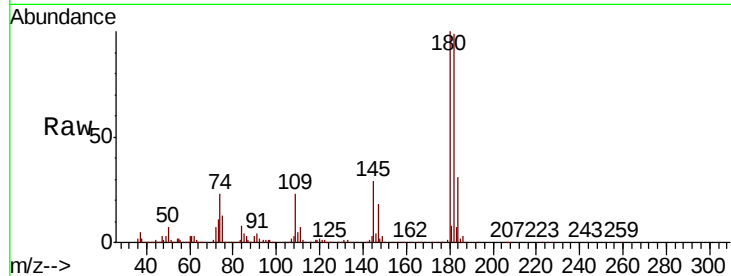




#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.206 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

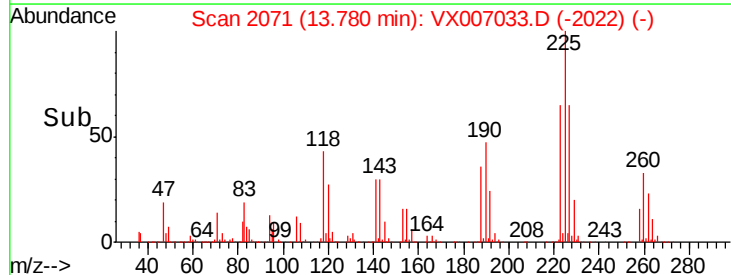
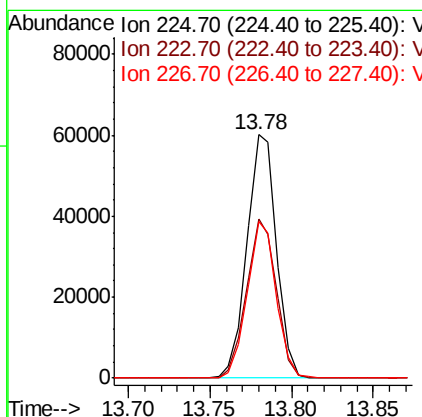
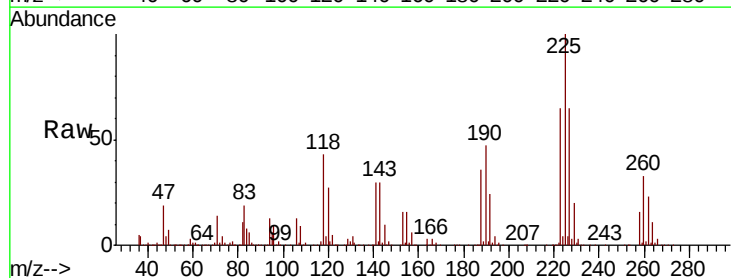
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0114WBS01

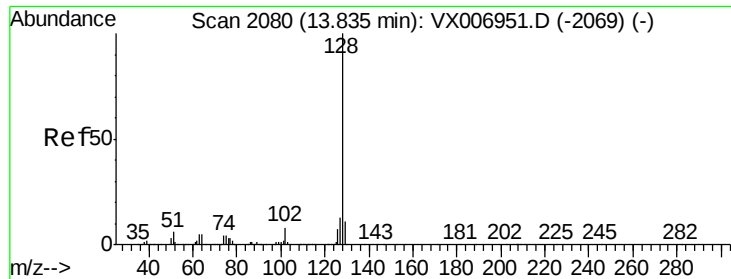
Tgt Ion:180 Resp: 165758  
 Ion Ratio Lower Upper  
 180 100  
 182 94.5 47.3 142.0  
 145 28.6 14.8 44.3



#94  
 Hexachlorobutadiene  
 Concen: 19.893 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. 0.00 min  
 Lab File: VX007033.D  
 Acq: 14 Jan 2019 12:30

Tgt Ion:225 Resp: 76190  
 Ion Ratio Lower Upper  
 225 100  
 223 65.9 32.1 96.3  
 227 62.9 32.3 96.8

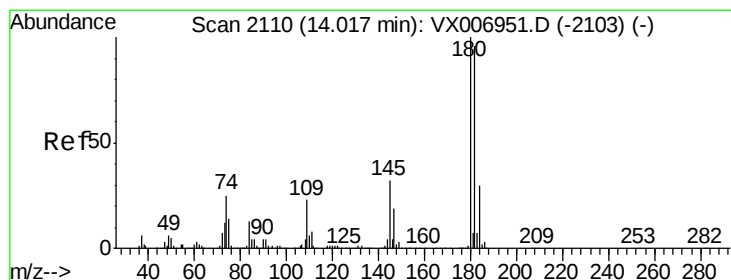
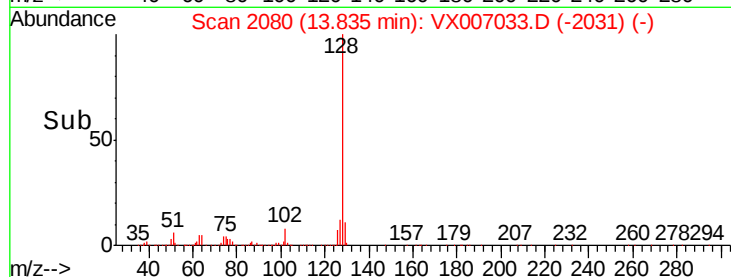
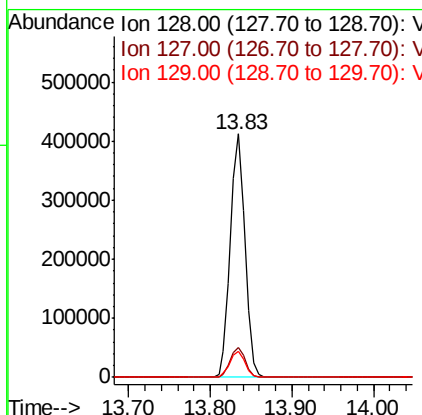
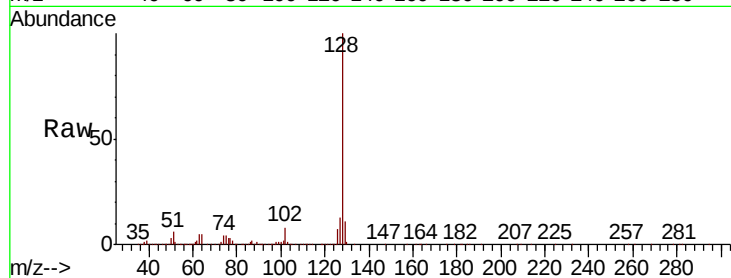




#95  
Naphthalene  
Concen: 19.490 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBS01

Tgt Ion:128 Resp: 509717  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.1 15.1  
129 11.0 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 19.230 ug/l  
RT: 14.02 min Scan# 2110  
Delta R.T. 0.00 min  
Lab File: VX007033.D  
Acq: 14 Jan 2019 12:30

Tgt Ion:180 Resp: 164867  
Ion Ratio Lower Upper  
180 100  
182 95.7 48.5 145.5  
145 30.0 16.0 47.9

