

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021919\  
 Data File : VX007604.D  
 Acq On : 19 Feb 2019 11:10  
 Operator : JC/SP  
 Sample : VX0219WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0219WBS01

Quant Time: Feb 20 04:01:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 02 01:32:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 411949   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 620091   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 570223   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 287610   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 214796   | 49.12 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.24% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 198878   | 49.29 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.58% |          |
| 50) Toluene-d8              | 8.71  | 98   | 713235   | 47.65 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.30% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 252795   | 46.25 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.50% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85   | 82353    | 16.388  | ug/l   | 97     |
| 3) Chloromethane              | 1.33 | 50   | 77410    | 16.683  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.41 | 62   | 84188    | 18.495  | ug/l   | 97     |
| 5) Bromomethane               | 1.64 | 94   | 74781    | 16.284  | ug/l   | 94     |
| 6) Chloroethane               | 1.72 | 64   | 51609    | 17.526  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 1.93 | 101  | 131268   | 18.434  | ug/l   | 100    |
| 8) Diethyl Ether              | 2.19 | 74   | 47650    | 17.779  | ug/l   | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101  | 73130    | 17.265  | ug/l   | 97     |
| 10) Methyl Iodide             | 2.51 | 142  | 96274    | 15.451  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 3.07 | 59   | 92110    | 101.791 | ug/l # | 95     |
| 12) 1,1-Dichloroethene        | 2.38 | 96   | 68355    | 17.379  | ug/l   | 96     |
| 13) Acrolein                  | 2.30 | 56   | 43320    | 102.091 | ug/l   | 98     |
| 14) Allyl chloride            | 2.73 | 41   | 114724   | 17.901  | ug/l   | 98     |
| 15) Acrylonitrile             | 3.15 | 53   | 214913   | 96.007  | ug/l   | 99     |
| 16) Acetone                   | 2.45 | 43   | 198116   | 98.913  | ug/l   | 97     |
| 17) Carbon Disulfide          | 2.57 | 76   | 147342   | 15.839  | ug/l   | 100    |
| 18) Methyl Acetate            | 2.78 | 43   | 117655   | 22.871  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 3.21 | 73   | 235782   | 18.503  | ug/l   | 97     |
| 20) Methylene Chloride        | 2.86 | 84   | 77727    | 18.753  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96   | 69554    | 16.600  | ug/l   | 94     |
| 22) Diisopropyl ether         | 3.87 | 45   | 231628   | 19.649  | ug/l   | 96     |
| 23) Vinyl Acetate             | 3.82 | 43   | 947449   | 96.852  | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63   | 129822   | 19.176  | ug/l   | 99     |
| 25) 2-Butanone                | 4.70 | 43   | 298716   | 104.798 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 4.58 | 77   | 96219    | 18.663  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96   | 83153    | 18.170  | ug/l   | 98     |
| 28) Bromochloromethane        | 5.02 | 49   | 59999    | 19.272  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 5.15 | 42   | 187132   | 104.385 | ug/l   | 99     |
| 30) Chloroform                | 5.21 | 83   | 139526   | 19.751  | ug/l   | 95     |
| 31) Cyclohexane               | 5.58 | 56   | 102222   | 16.812  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97   | 115108   | 19.304  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75   | 94249    | 16.940  | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.85 | 43   | 107771   | 19.162  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 5.78 | 117  | 100939   | 18.701  | ug/l   | 99     |

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 Sample : VX0219WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0219WBS01

Quant Time: Feb 20 04:01:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 02 01:32:36 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 107649   | 15.992  | ug/l  | 98       |
| 40) Benzene                    | 6.15  | 78   | 300681   | 18.347  | ug/l  | 99       |
| 41) Methacrylonitrile          | 5.06  | 41   | 59580    | 19.766  | ug/l  | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 105968   | 18.688  | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 168786   | 19.443  | ug/l  | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 87156    | 17.657  | ug/l  | 87       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 76763    | 18.694  | ug/l  | 99       |
| 46) Dibromomethane             | 7.66  | 93   | 54711    | 18.332  | ug/l  | 97       |
| 47) Bromodichloromethane       | 7.90  | 83   | 97181    | 19.213  | ug/l  | 98       |
| 48) Methyl methacrylate        | 7.77  | 41   | 85316    | 19.648  | ug/l  | 99       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 40749    | 416.687 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 578569   | 101.241 | ug/l  | 99       |
| 52) Toluene                    | 8.78  | 92   | 194009   | 18.348  | ug/l  | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 99920    | 18.391  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 112040   | 18.752  | ug/l  | 97       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 85842    | 19.476  | ug/l  | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 112373   | 18.408  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 131980   | 18.829  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 324959   | 100.992 | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 441958   | 99.382  | ug/l  | 100      |
| 60) Dibromochloromethane       | 9.58  | 129  | 82563    | 19.806  | ug/l  | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 87819    | 18.814  | ug/l  | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 87673    | 16.313  | ug/l  | 96       |
| 65) Chlorobenzene              | 10.14 | 112  | 224732   | 18.060  | ug/l  | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 80871    | 19.385  | ug/l  | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 359099   | 17.920  | ug/l  | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 285546   | 35.848  | ug/l  | 99       |
| 69) o-Xylene                   | 10.69 | 106  | 138727   | 18.099  | ug/l  | 99       |
| 70) Styrene                    | 10.71 | 104  | 223061   | 17.944  | ug/l  | 99       |
| 71) Bromoform                  | 10.86 | 173  | 60630    | 19.264  | ug/l  | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 372373   | 19.052  | ug/l  | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 145612   | 19.262  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 123217   | 20.686  | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 135745   | 24.265  | ug/l  | 80       |
| 77) Bromobenzene               | 11.26 | 156  | 102593   | 18.630  | ug/l  | 98       |
| 78) n-propylbenzene            | 11.36 | 91   | 409265   | 19.096  | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 246851   | 18.982  | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 304784   | 19.061  | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 31020    | 19.918  | ug/l  | 94       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 280794   | 18.660  | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 300934   | 19.009  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 307401   | 18.936  | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 366874   | 19.148  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 324021   | 18.734  | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 178809   | 18.093  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 178310   | 17.784  | ug/l  | 98       |
| 89) n-Butylbenzene             | 12.38 | 91   | 268462   | 18.043  | ug/l  | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 51096    | 19.739  | ug/l  | 98       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 180945   | 18.397  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 23785    | 19.204  | ug/l  | 96       |

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Operator : JC/SP  
Sample : VX0219WBS01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

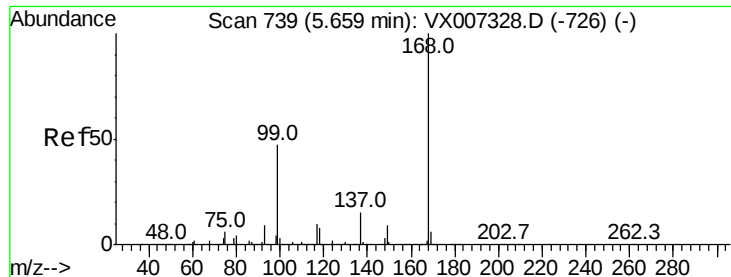
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0219WBS01

Quant Time: Feb 20 04:01:41 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 02 01:32:36 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 117108   | 17.656 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 57066    | 17.718 | ug/l  | 97       |
| 95) Naphthalene            | 13.83 | 128  | 356617   | 18.386 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 120516   | 18.051 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

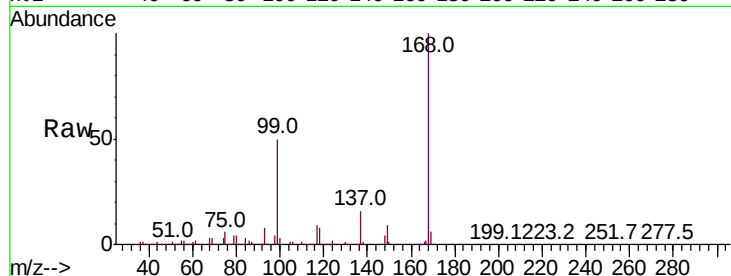
VX0219WBS01

Tot Ion:168 Resp: 411949

Ion Ratio Lower Upper

168 100

99 49.8 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

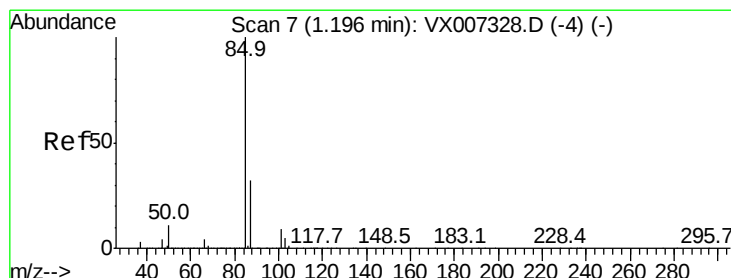
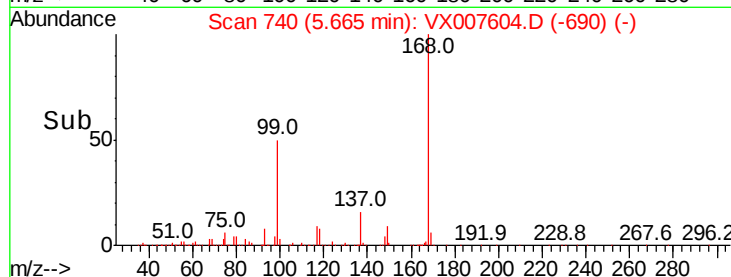
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.388 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007604.D

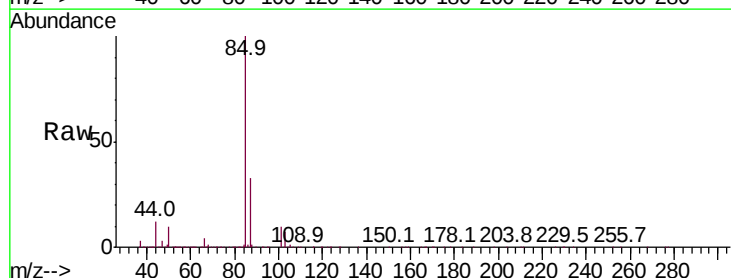
Acq: 19 Feb 2019 11:10

Tgt Ion: 85 Resp: 82353

Ion Ratio Lower Upper

85 100

87 33.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

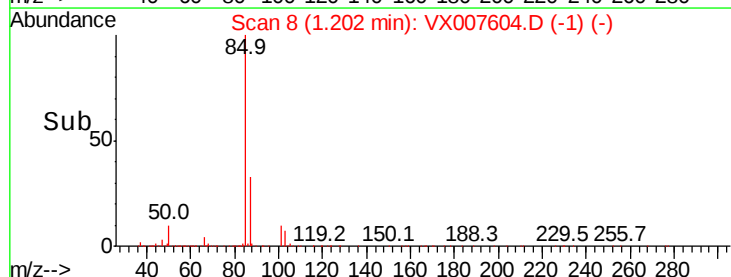
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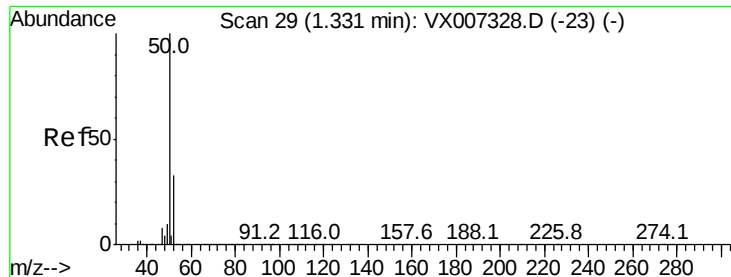
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 16.683 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

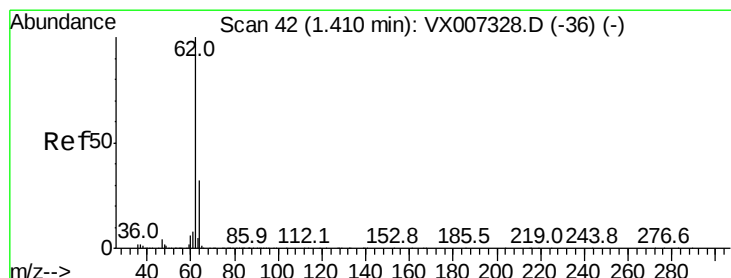
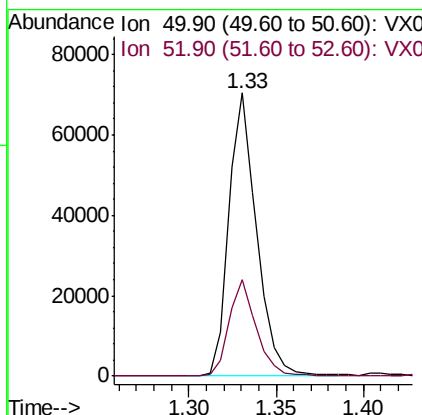
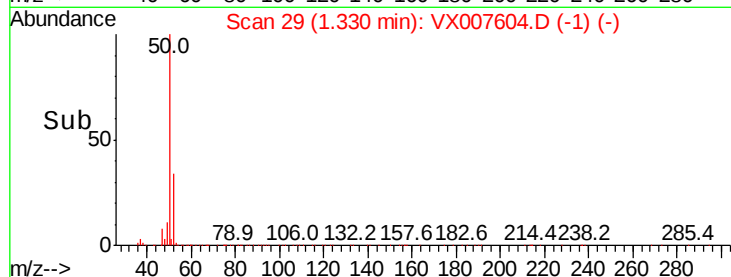
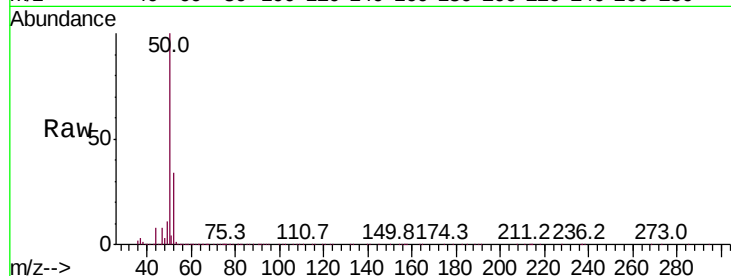
VX0219WBS01

Tot Ion: 50 Resp: 77410

Ion Ratio Lower Upper

50 100

52 33.9 26.1 39.1



#4

Vinyl Chloride

Concen: 18.495 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007604.D

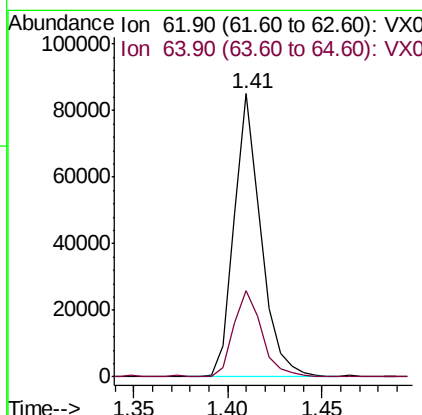
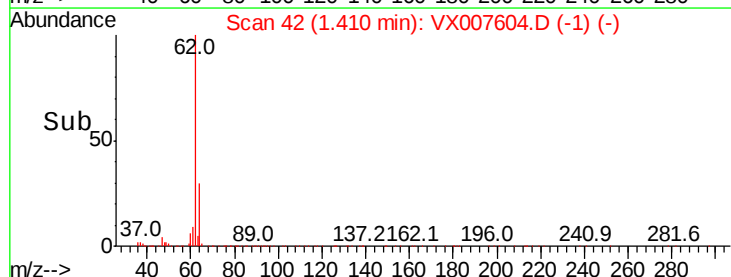
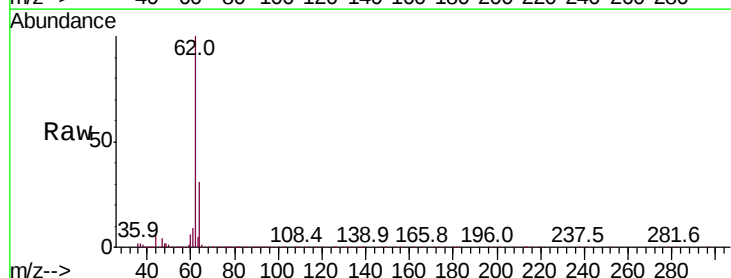
Acq: 19 Feb 2019 11:10

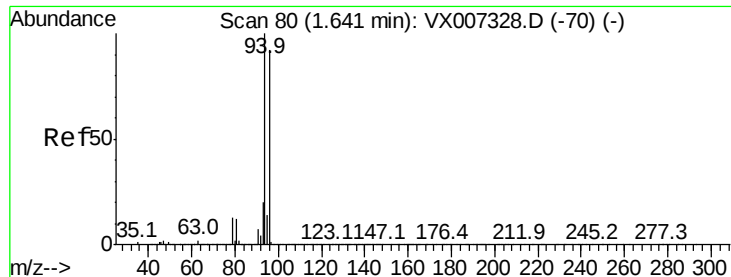
Tgt Ion: 62 Resp: 84188

Ion Ratio Lower Upper

62 100

64 30.3 25.4 38.0





#5

Bromomethane

Concen: 16.284 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

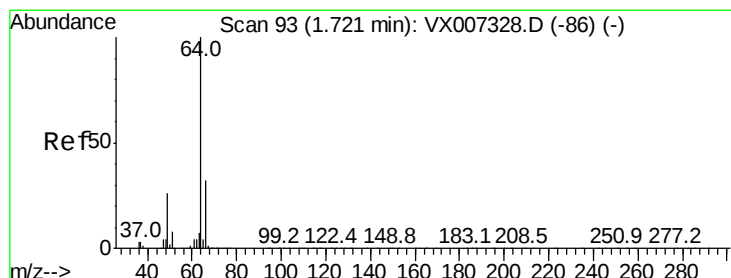
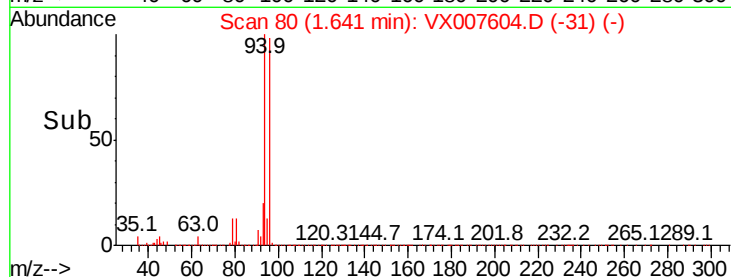
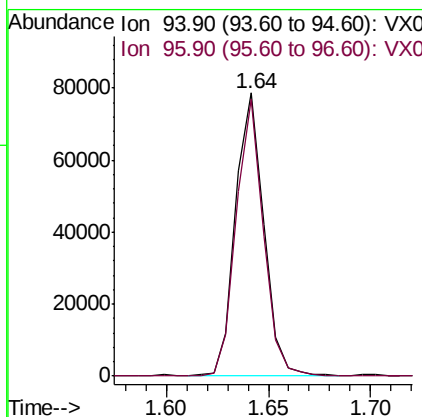
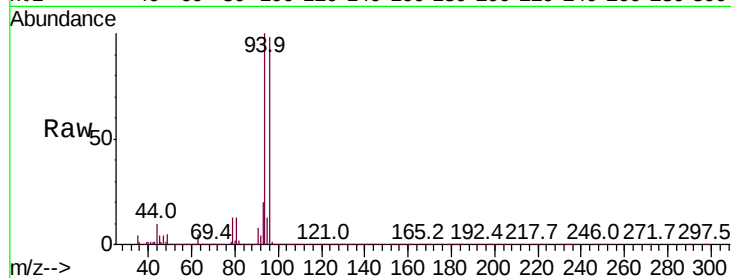
VX0219WBS01

Tot Ion: 94 Resp: 74781

Ion Ratio Lower Upper

94 100

96 98.1 73.9 110.9



#6

Chloroethane

Concen: 17.526 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007604.D

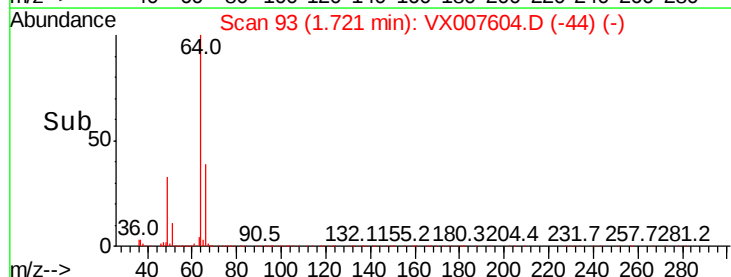
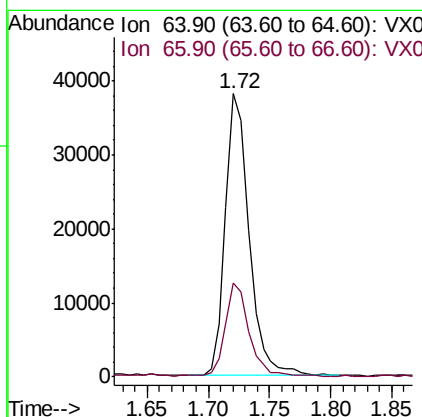
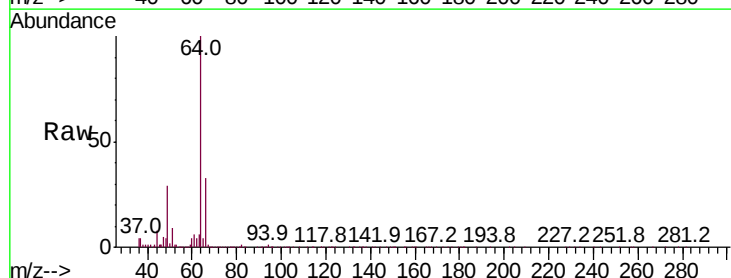
Acq: 19 Feb 2019 11:10

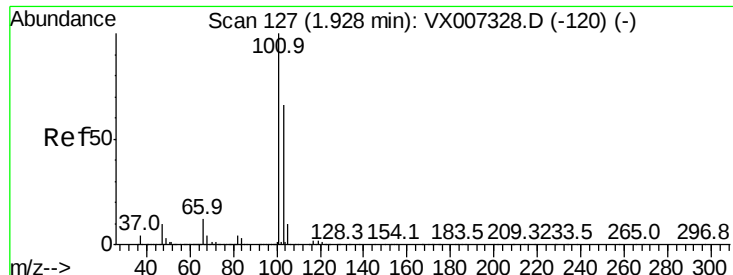
Tgt Ion: 64 Resp: 51609

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3



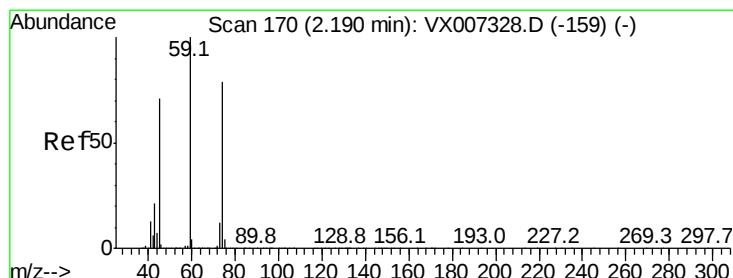
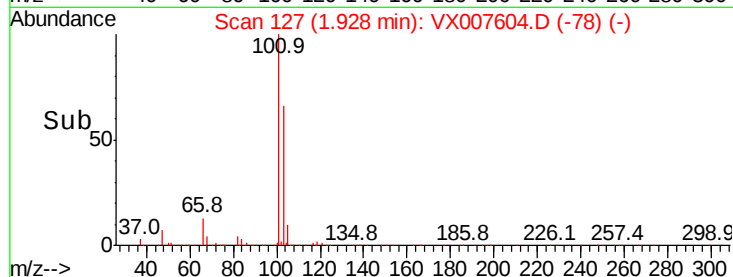
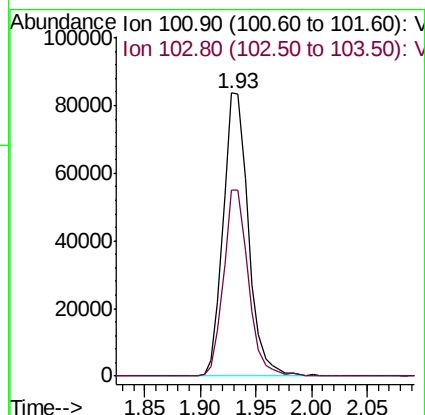
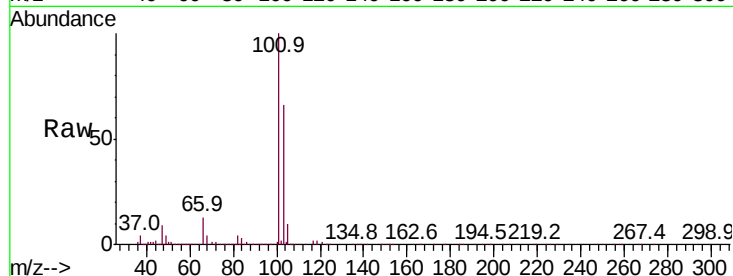


#7

Trichlorofluoromethane  
Concen: 18.434 ug/l  
RT: 1.93 min Scan# 127  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Instrument :  
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VX0219WBS01

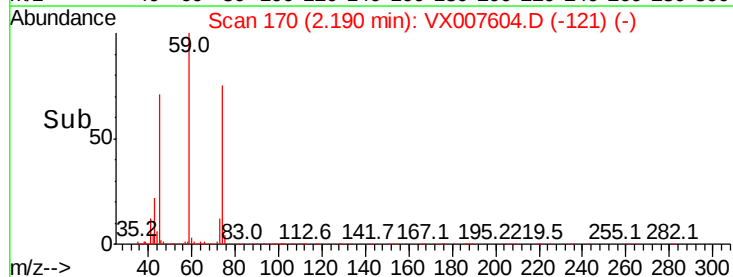
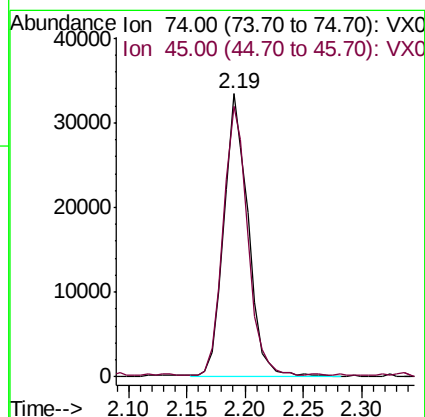
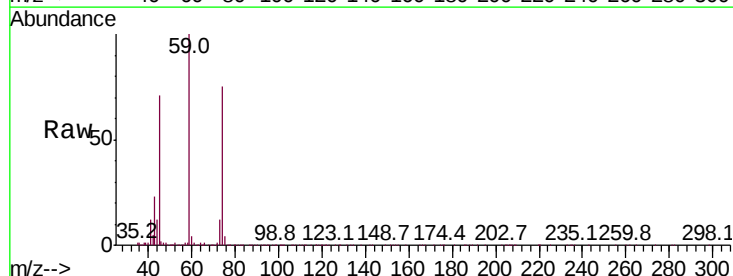
Tot Ion:101 Resp: 131268  
Ion Ratio Lower Upper  
101 100  
103 65.6 52.6 79.0

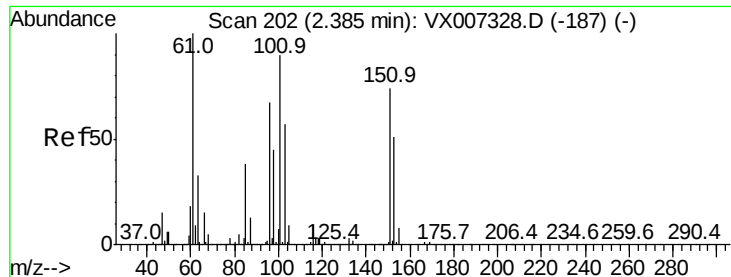


#8

Diethyl Ether  
Concen: 17.779 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Tgt Ion: 74 Resp: 47650  
Ion Ratio Lower Upper  
74 100  
45 96.3 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.265 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

VX0219WBS01

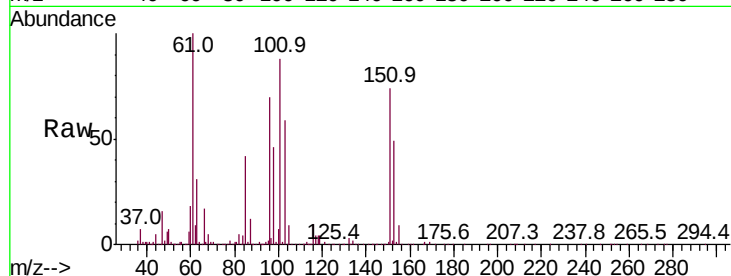
Tot Ion:101 Resp: 73130

Ion Ratio Lower Upper

101 100

85 45.0 34.1 51.1

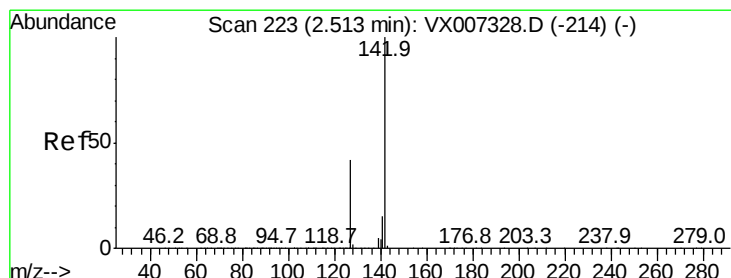
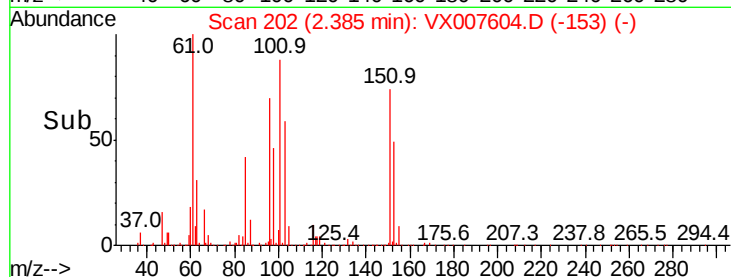
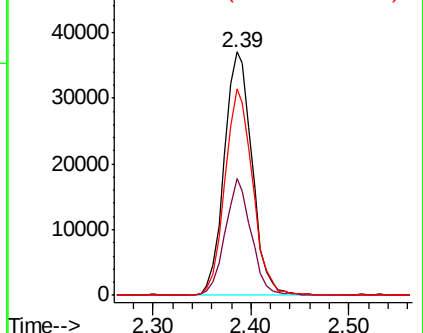
151 84.4 69.9 104.9



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: 15.451 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

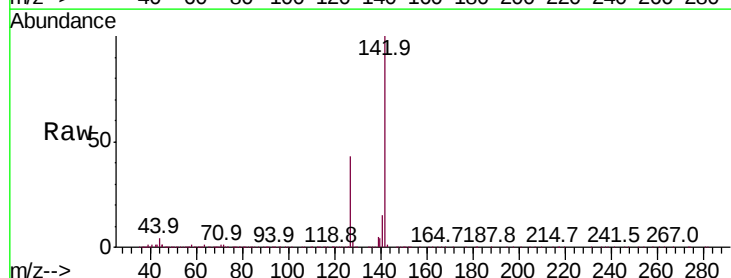
Tgt Ion:142 Resp: 96274

Ion Ratio Lower Upper

142 100

127 43.5 33.7 50.5

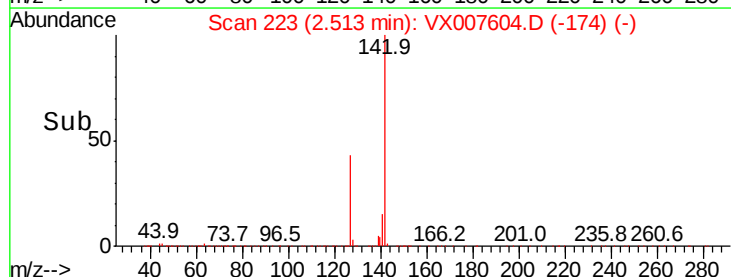
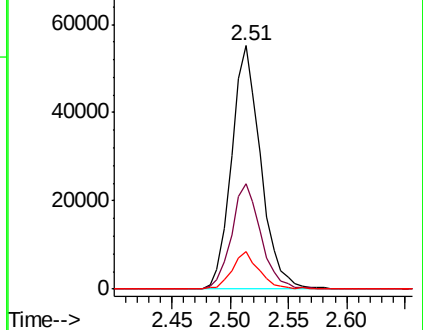
141 14.5 11.3 16.9

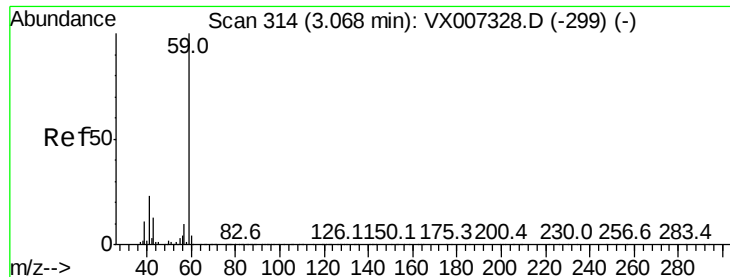


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



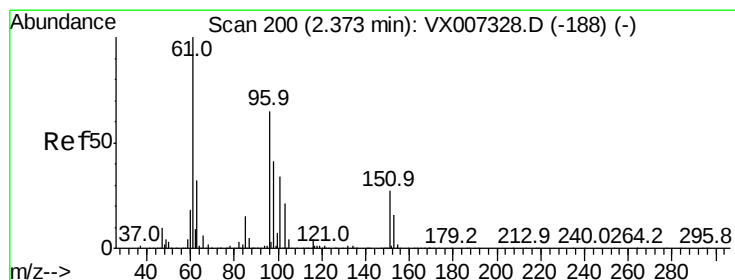
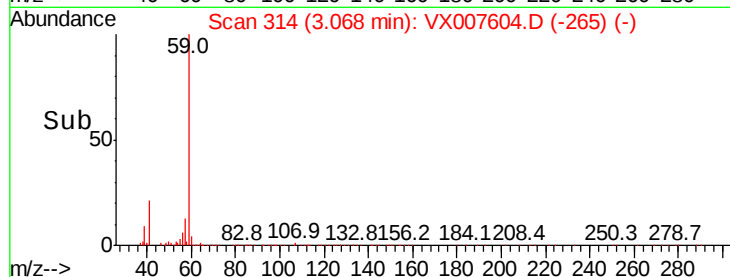
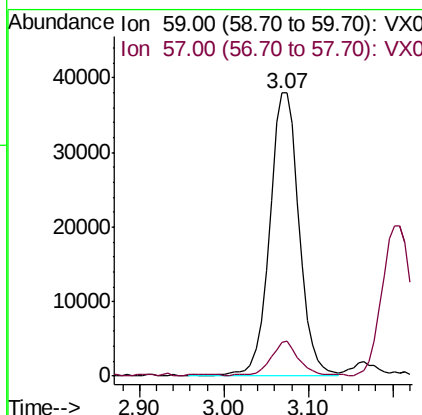
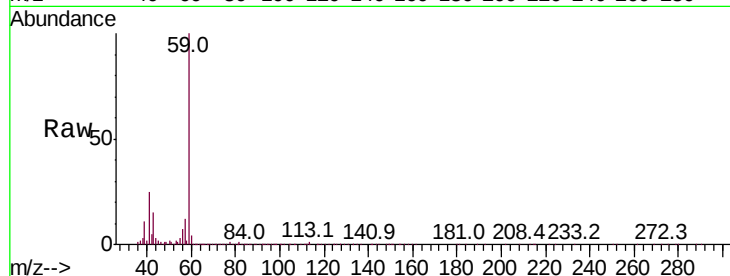


#11

Tert butyl alcohol  
Concen: 101.791 ug/l  
RT: 3.07 min Scan# 314  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0219WBS01

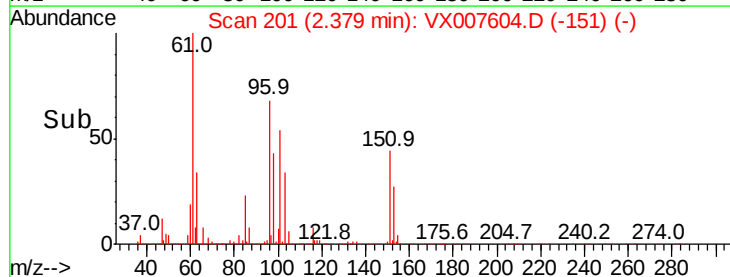
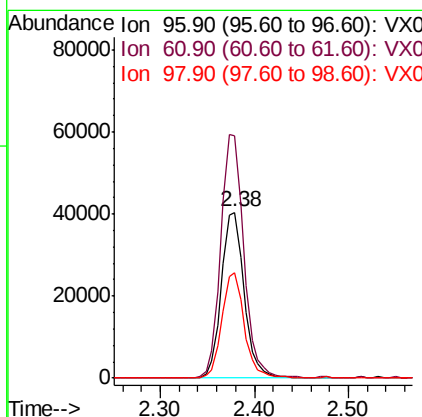
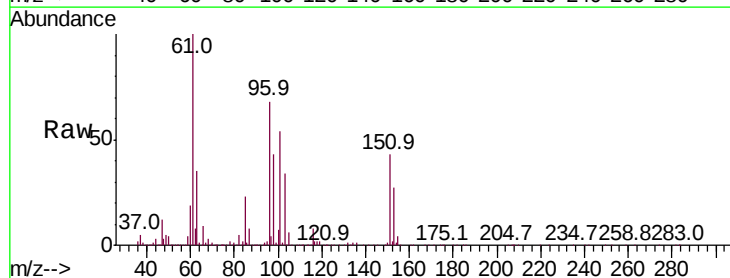
Tot Ion: 59 Resp: 92110  
Ion Ratio Lower Upper  
59 100  
57 12.1 8.1 12.1#

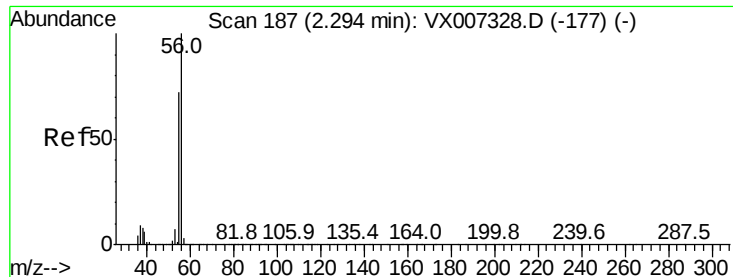


#12

1,1-Dichloroethene  
Concen: 17.379 ug/l  
RT: 2.38 min Scan# 201  
Delta R.T. 0.01 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Tgt Ion: 96 Resp: 68355  
Ion Ratio Lower Upper  
96 100  
61 146.7 123.0 184.4  
98 63.6 50.9 76.3





#13

Acrolein

Concen: 102.091 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

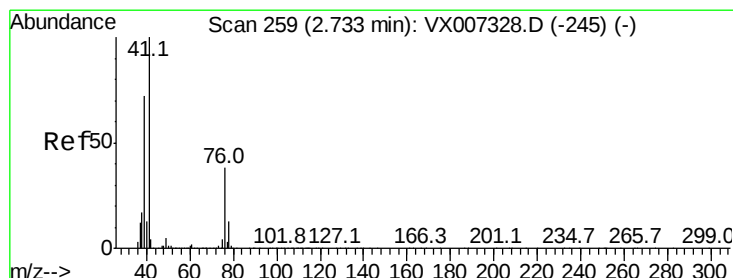
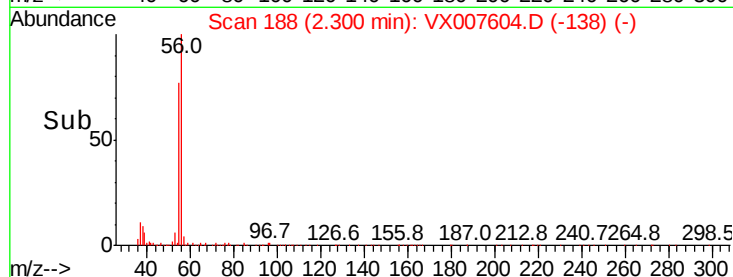
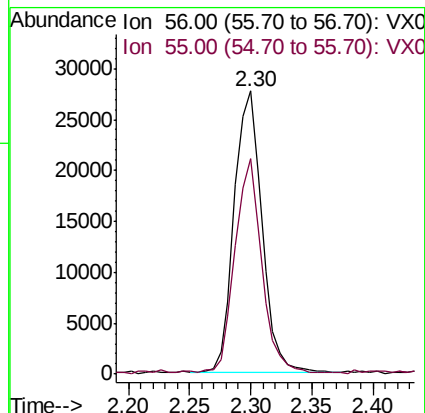
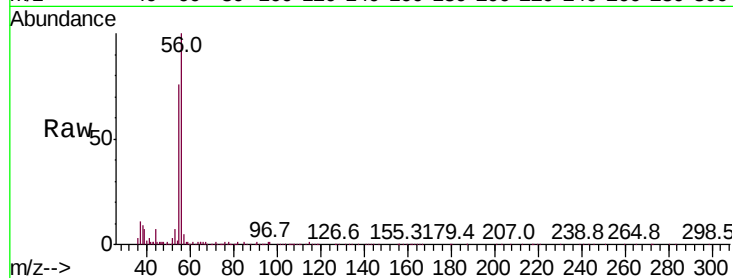
VX0219WBS01

Tot Ion: 56 Resp: 43320

Ion Ratio Lower Upper

56 100

55 73.1 56.9 85.3



#14

Allyl chloride

Concen: 17.901 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

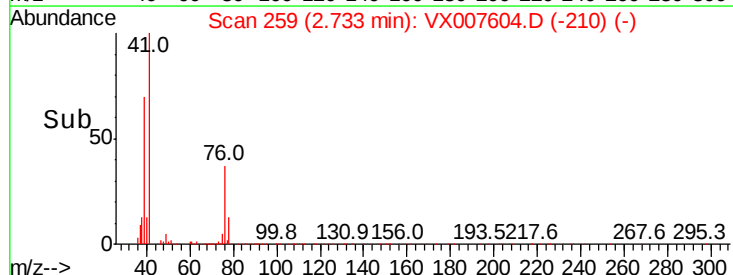
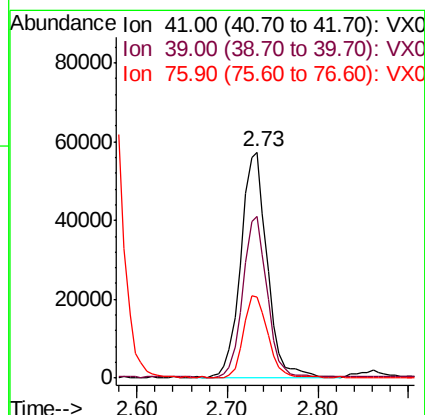
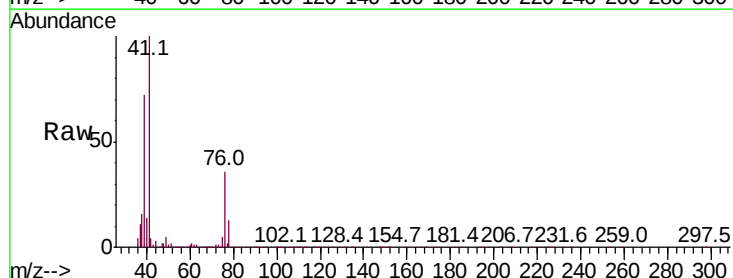
Tgt Ion: 41 Resp: 114724

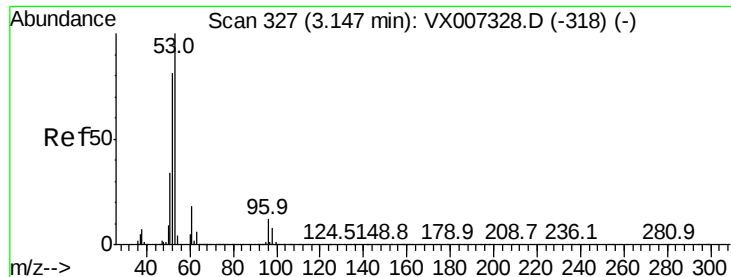
Ion Ratio Lower Upper

41 100

39 65.9 54.1 81.1

76 33.7 27.8 41.8





#15

Acrylonitrile

Concen: 96.007 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampled :

VX0219WBS01

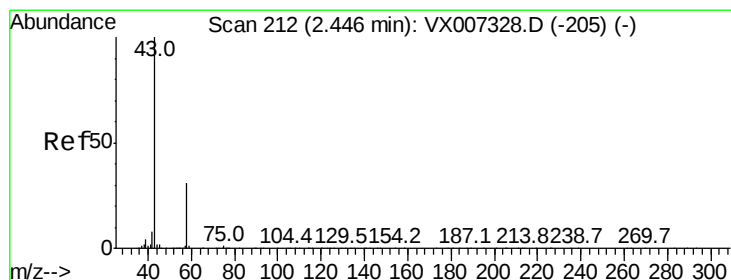
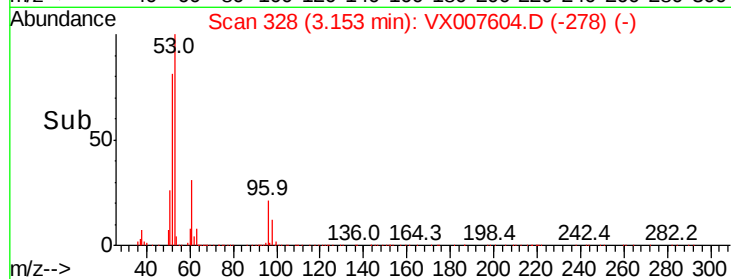
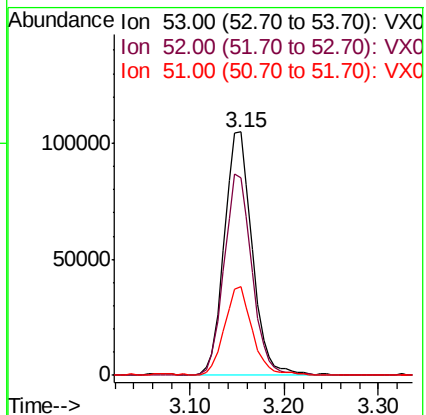
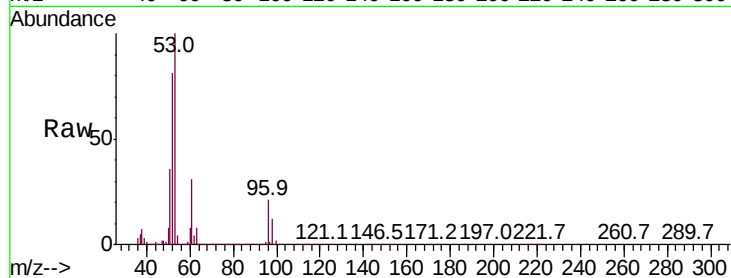
Tot Ion: 53 Resp: 214913

Ion Ratio Lower Upper

53 100

52 82.6 66.4 99.6

51 36.0 28.4 42.6



#16

Acetone

Concen: 98.913 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007604.D

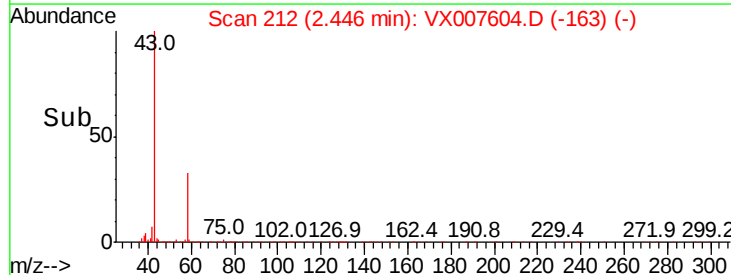
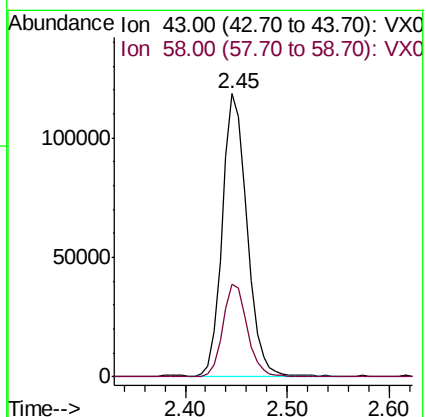
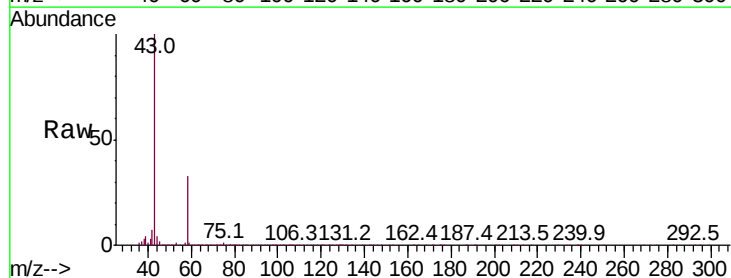
Acq: 19 Feb 2019 11:10

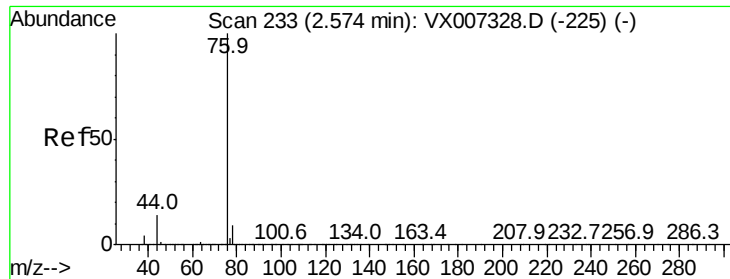
Tgt Ion: 43 Resp: 198116

Ion Ratio Lower Upper

43 100

58 32.9 24.9 37.3

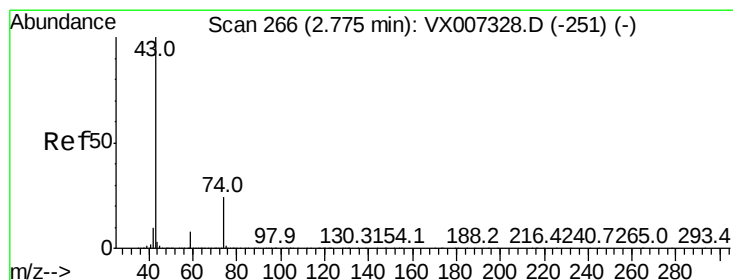
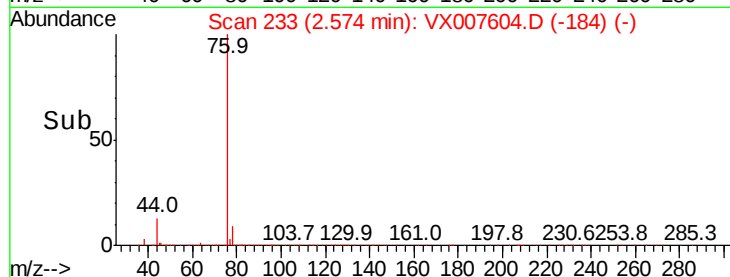
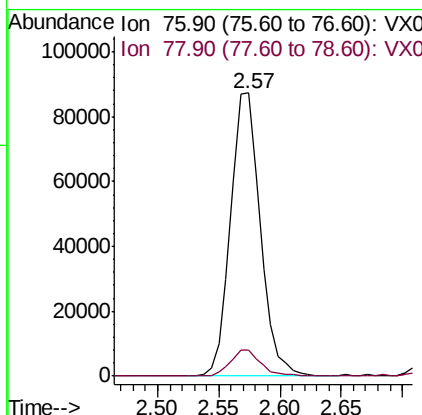
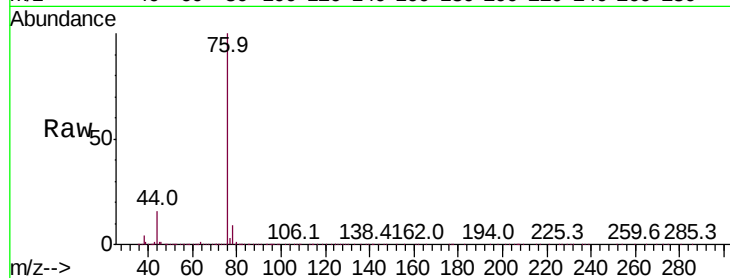




#17  
Carbon Disulfide  
Concen: 15.839 ug/l  
RT: 2.57 min Scan# 233  
Delta R.T. 0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

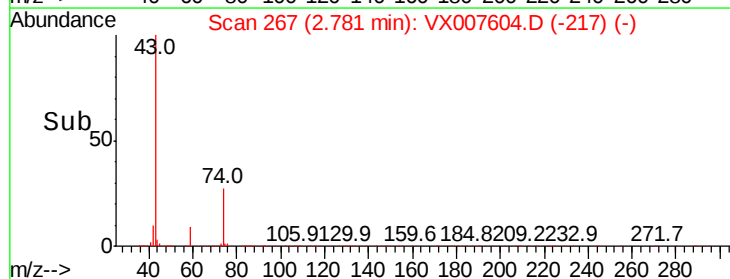
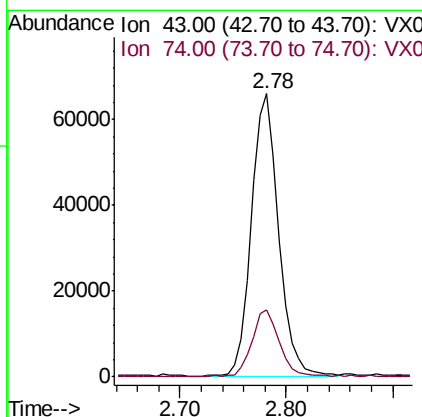
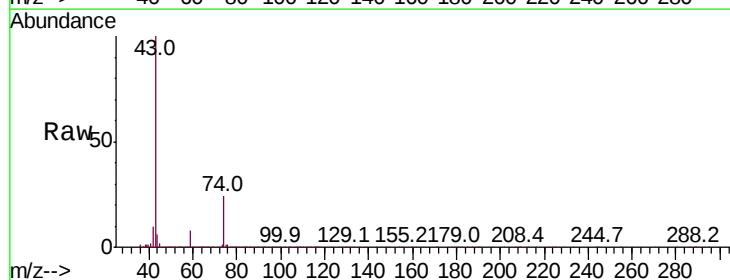
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0219WBS01

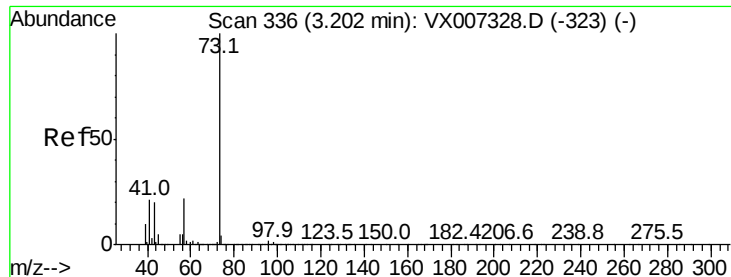
Tot Ion: 76 Resp: 147342  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.1 10.7



#18  
Methyl Acetate  
Concen: 22.871 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. 0.01 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Tgt Ion: 43 Resp: 117655  
Ion Ratio Lower Upper  
43 100  
74 24.6 19.4 29.2

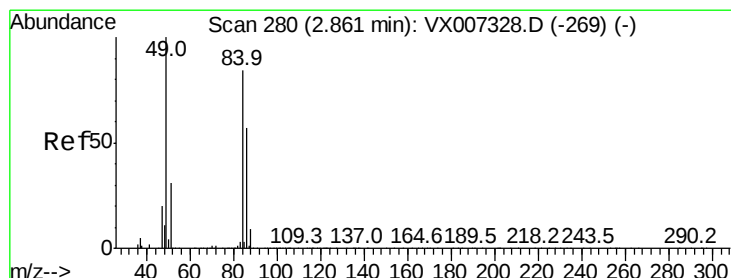
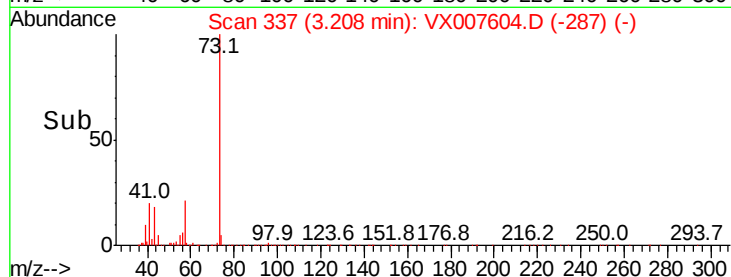
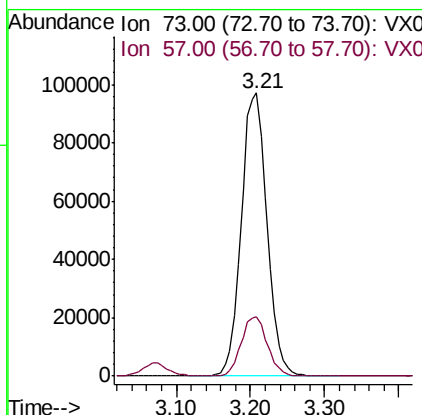
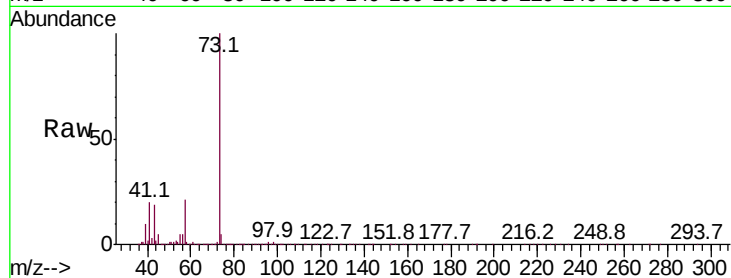




#19  
Methyl tert-butyl Ether  
Concen: 18.503 ug/l  
RT: 3.21 min Scan# 337  
Delta R.T. 0.01 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

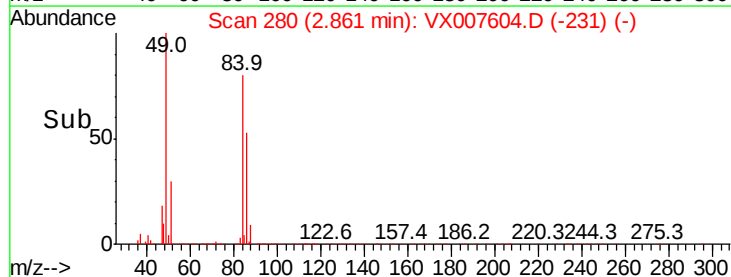
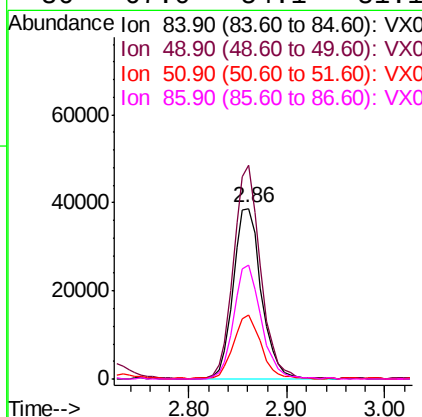
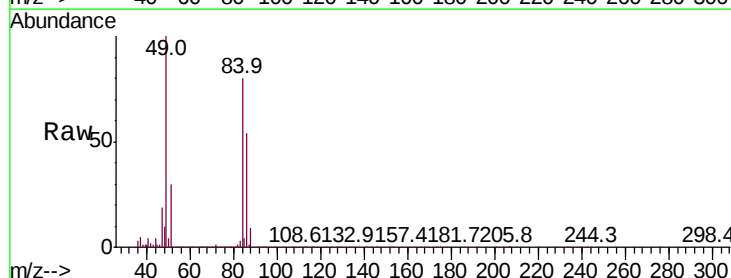
Instrument :  
MSVOA\_X  
ClientSampled :  
VX0219WBS01

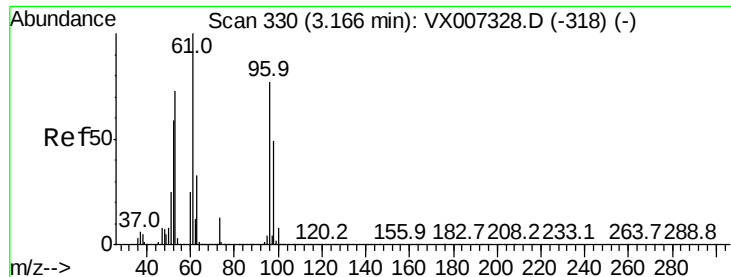
Tot Ion: 73 Resp: 235782  
Ion Ratio Lower Upper  
73 100  
57 20.6 17.8 26.8



#20  
Methylene Chloride  
Concen: 18.753 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Tgt Ion: 84 Resp: 77727  
Ion Ratio Lower Upper  
84 100  
49 124.9 94.8 142.2  
51 37.5 29.8 44.8  
86 67.0 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 16.600 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

VX0219WBS01

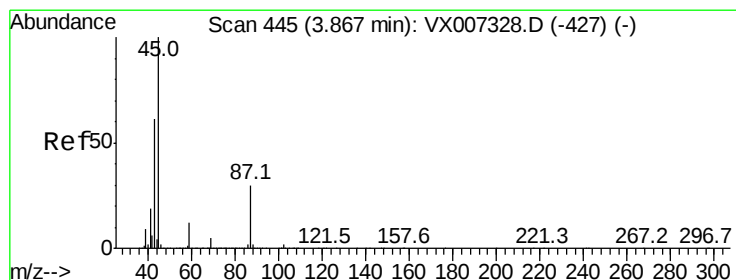
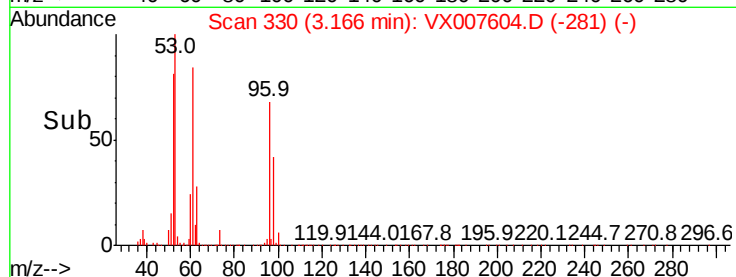
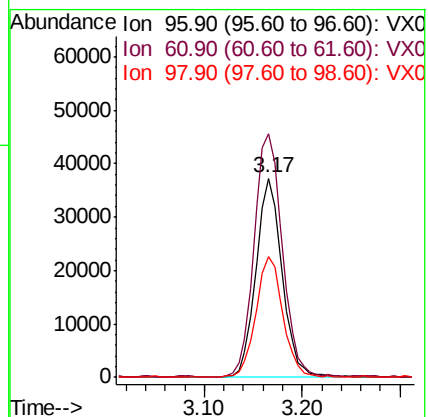
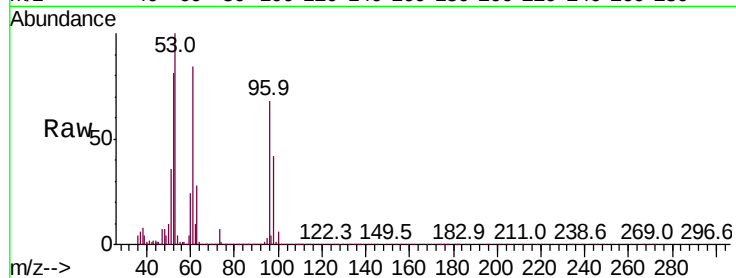
Tot Ion: 96 Resp: 69554

Ion Ratio Lower Upper

96 100

61 121.7 104.6 156.8

98 60.8 51.0 76.4



#22

Diisopropyl ether

Concen: 19.649 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion: 45 Resp: 231628

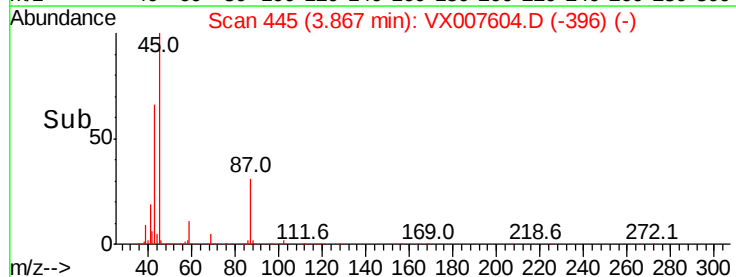
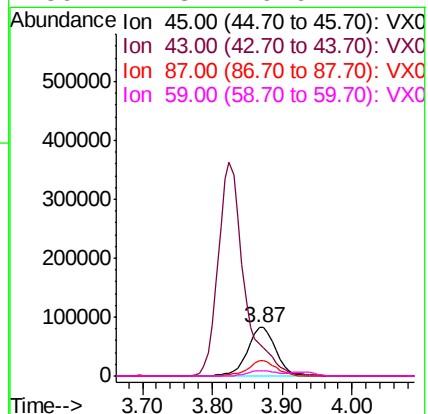
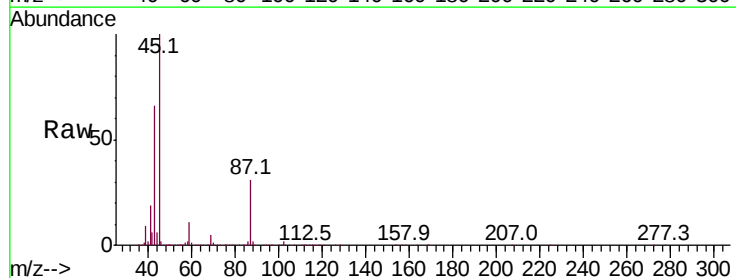
Ion Ratio Lower Upper

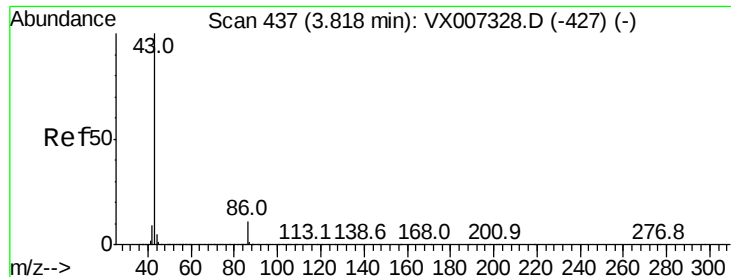
45 100

43 66.0 48.9 73.3

87 30.7 23.9 35.9

59 11.3 9.6 14.4





#23

Vinyl Acetate

Concen: 96.852 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

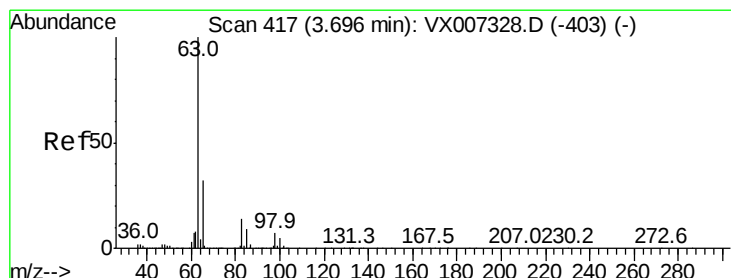
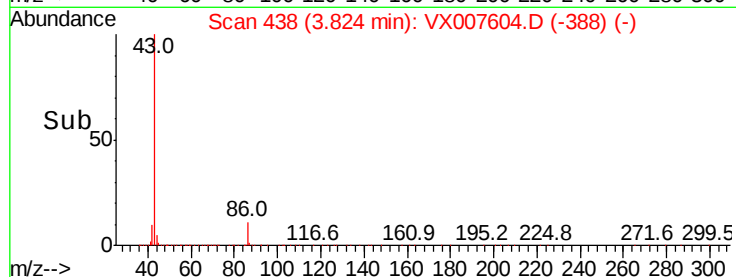
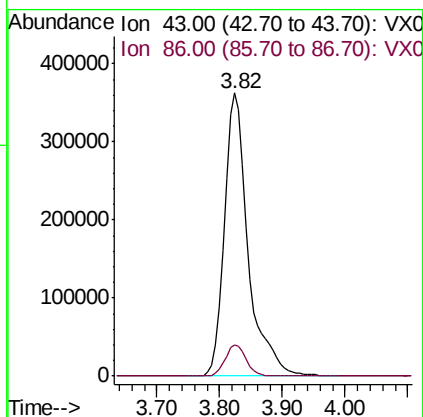
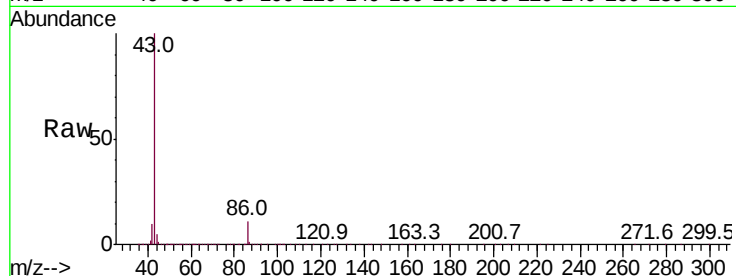
VX0219WBS01

Tot Ion: 43 Resp: 947449

Ion Ratio Lower Upper

43 100

86 11.2 8.7 13.1



#24

1,1-Dichloroethane

Concen: 19.176 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

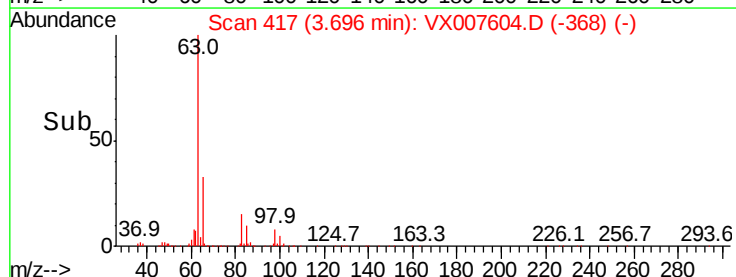
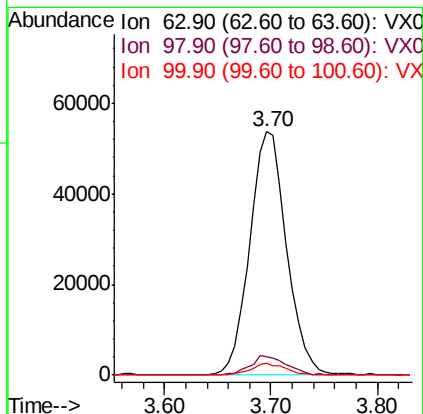
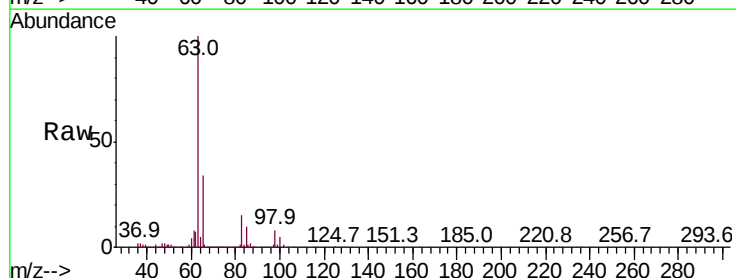
Tgt Ion: 63 Resp: 129822

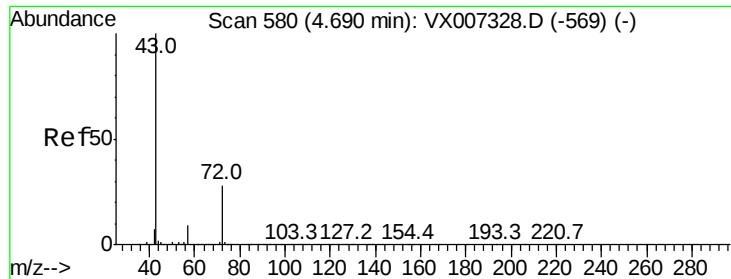
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.8

100 4.8 2.5 7.4





#25

2-Butanone

Concen: 104.798 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

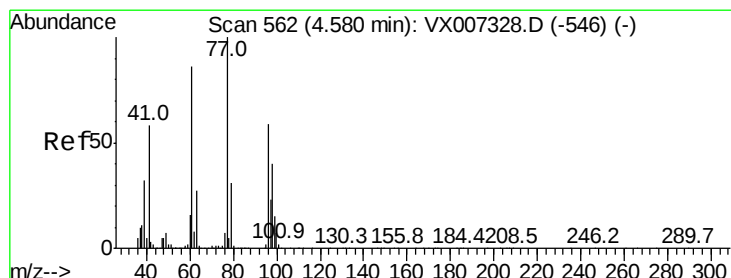
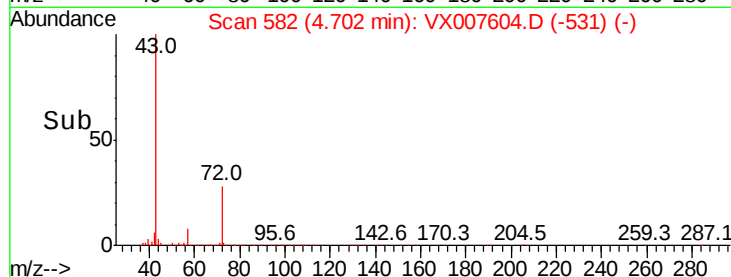
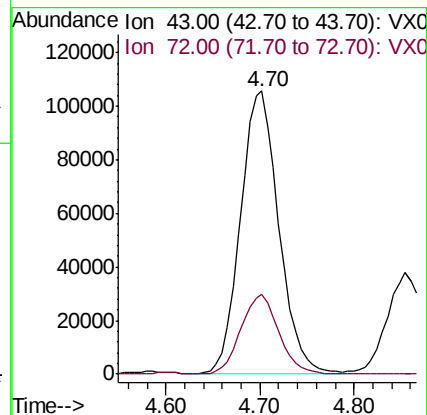
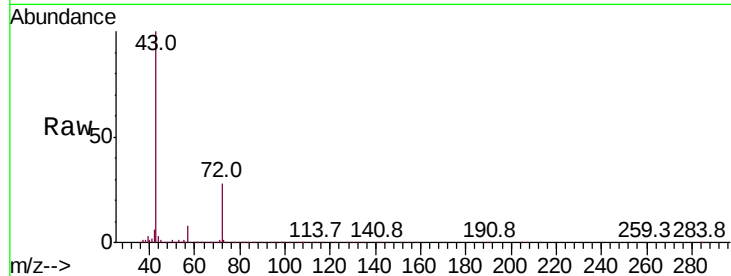
VX0219WBS01

Tot Ion: 43 Resp: 298716

Ion Ratio Lower Upper

43 100

72 28.2 22.2 33.2



#26

2,2-Dichloropropane

Concen: 18.663 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX007604.D

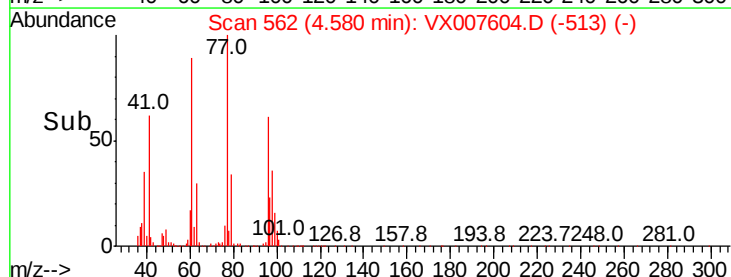
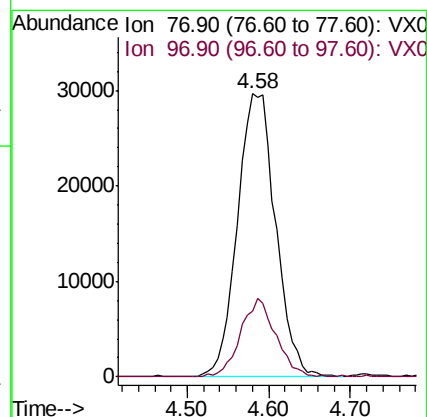
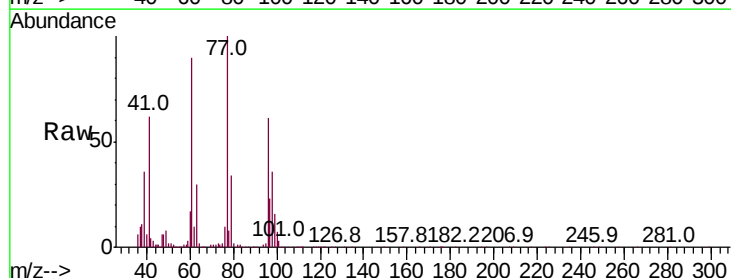
Acq: 19 Feb 2019 11:10

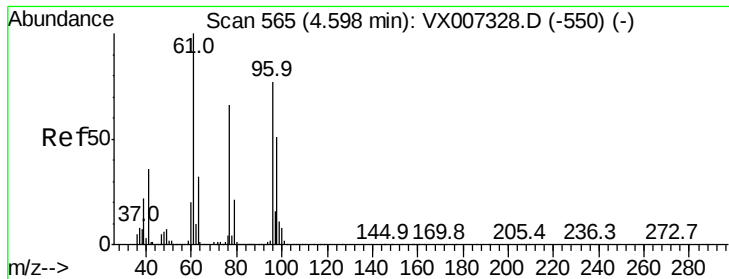
Tgt Ion: 77 Resp: 96219

Ion Ratio Lower Upper

77 100

97 25.6 12.1 36.3



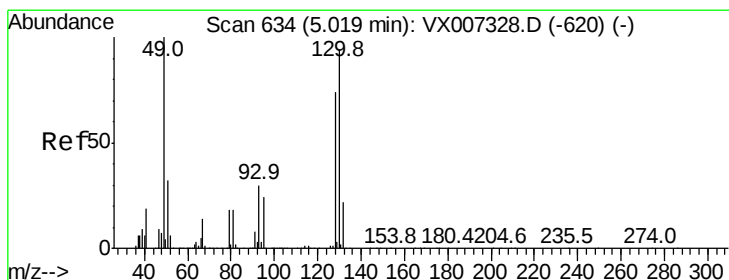
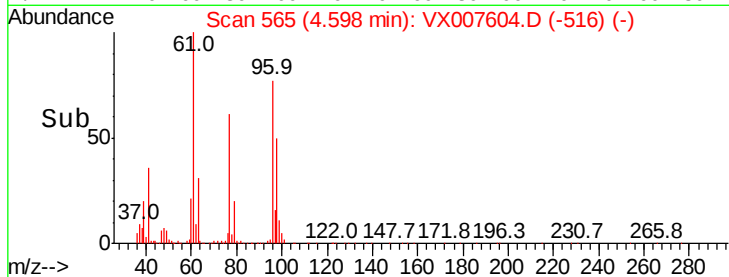
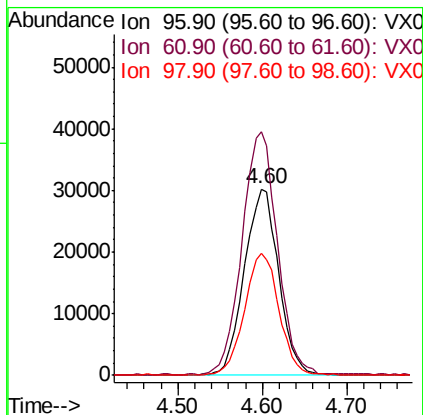
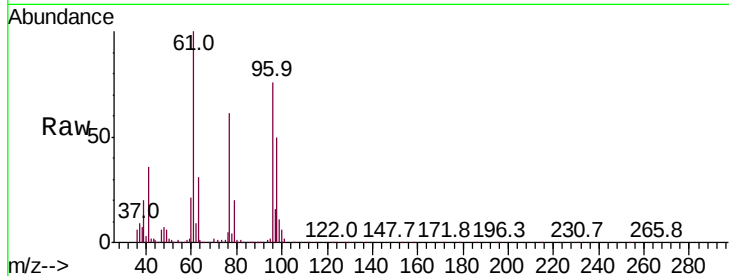


#27

cis-1,2-Dichloroethene  
Concen: 18.170 ug/l  
RT: 4.60 min Scan# 565  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0219WBS01

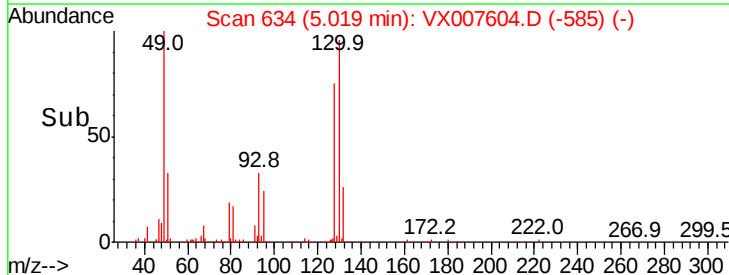
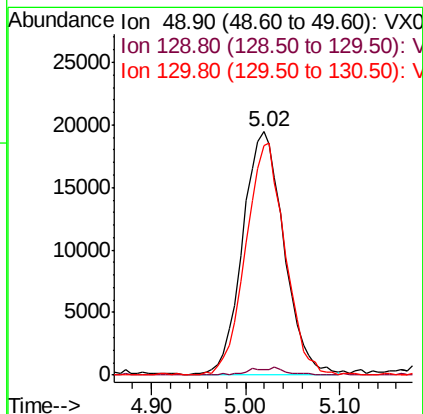
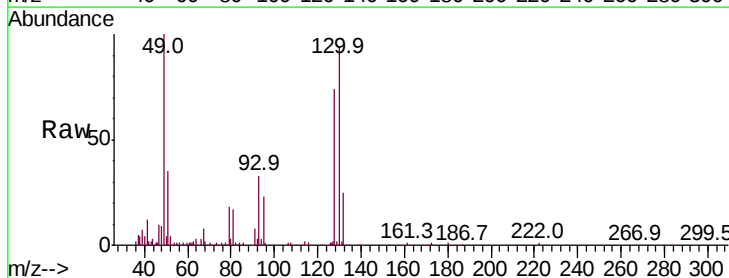
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 135.2 | 0.0   | 265.6 |
| 98      | 66.2  | 0.0   | 131.6 |

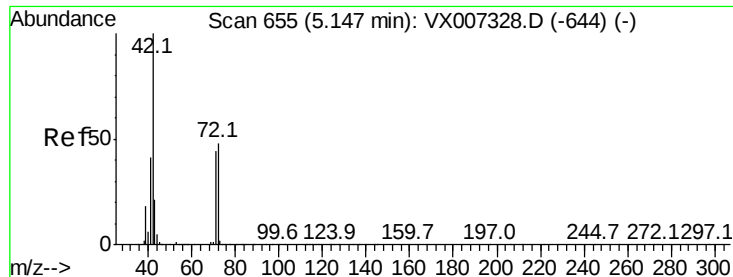


#28

Bromochloromethane  
Concen: 19.272 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.8   | 0.0   | 5.6   |
| 130     | 90.5  | 75.6  | 113.4 |





#29

Tetrahydrofuran

Concen: 104.385 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

VX0219WBS01

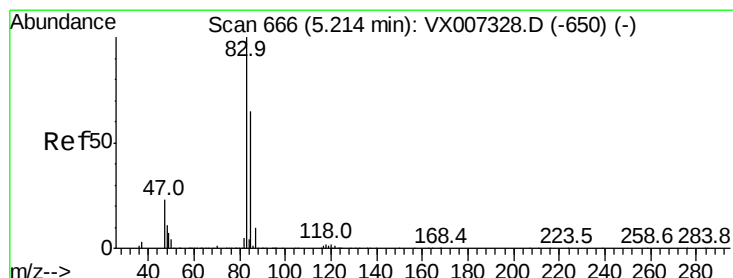
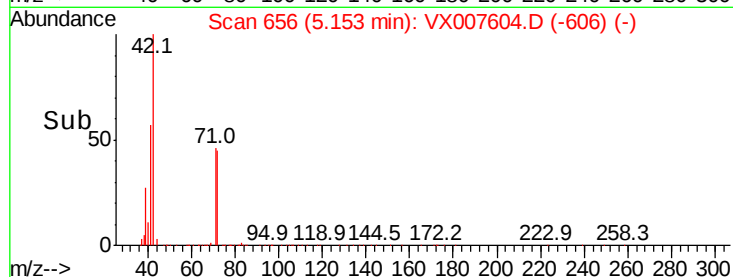
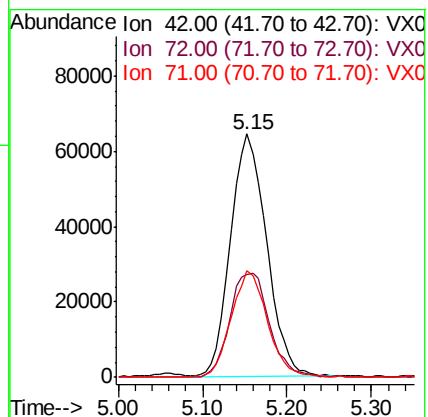
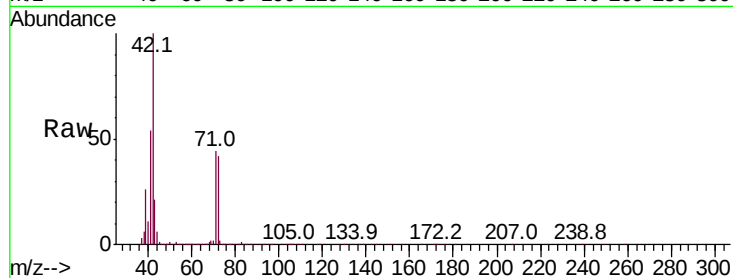
Tot Ion: 42 Resp: 187132

Ion Ratio Lower Upper

42 100

72 47.5 37.6 56.4

71 44.1 34.6 51.8



#30

Chloroform

Concen: 19.751 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX007604.D

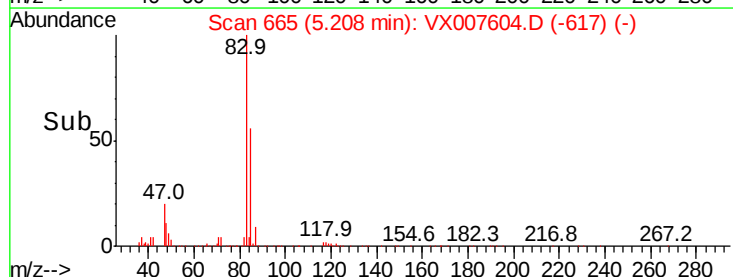
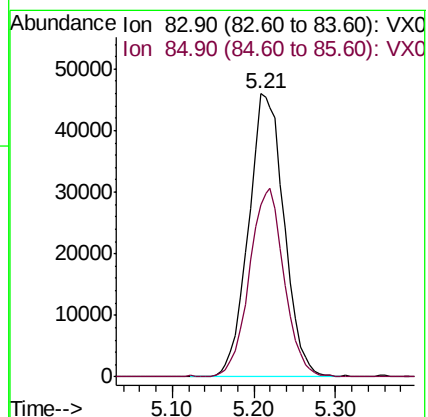
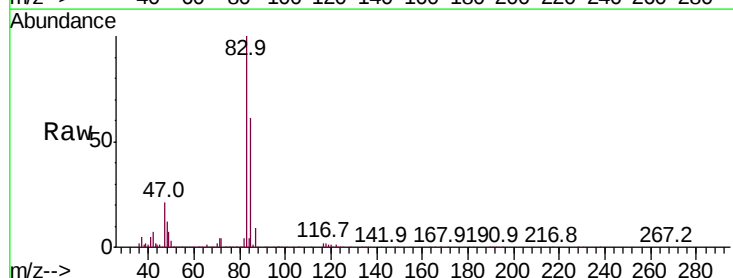
Acq: 19 Feb 2019 11:10

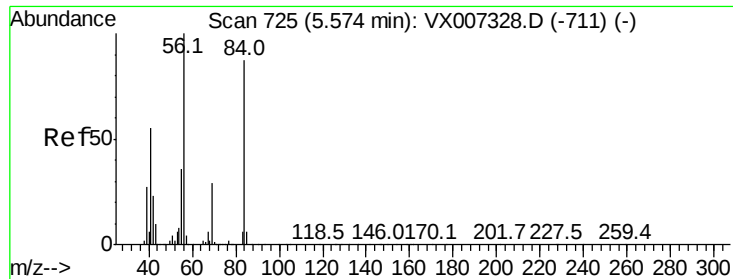
Tgt Ion: 83 Resp: 139526

Ion Ratio Lower Upper

83 100

85 60.8 51.6 77.4

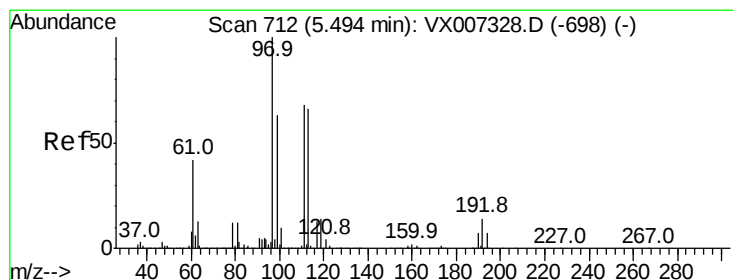
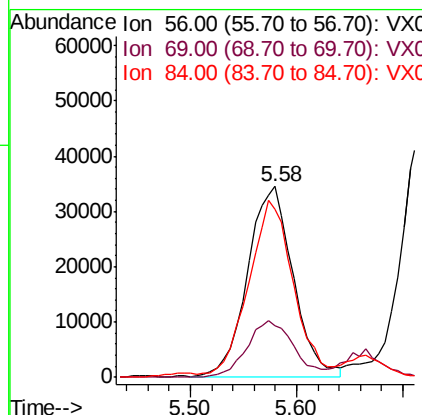
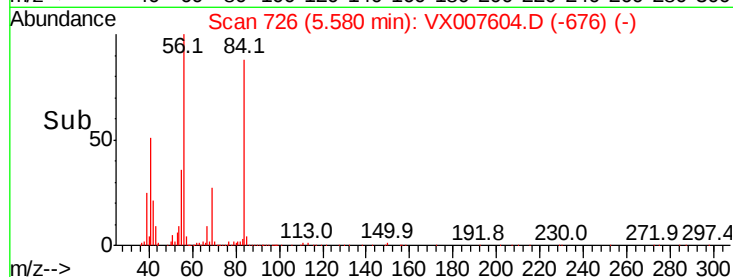
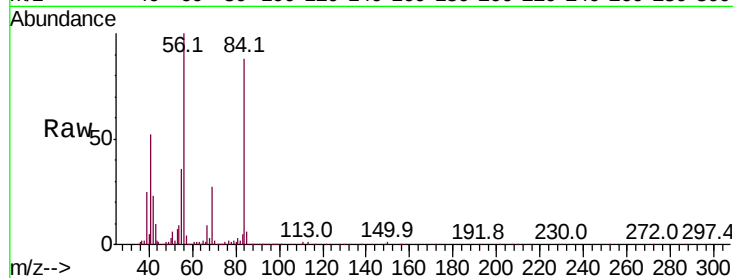




#31  
Cyclohexane  
Concen: 16.812 ug/l  
RT: 5.58 min Scan# 726  
Delta R.T. 0.01 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

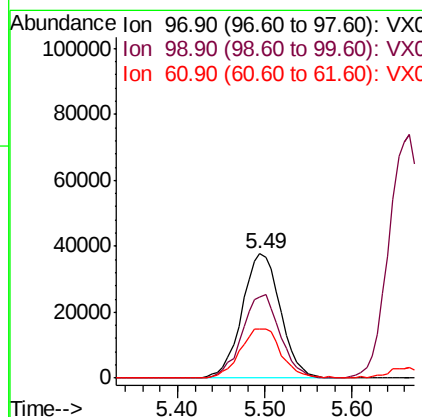
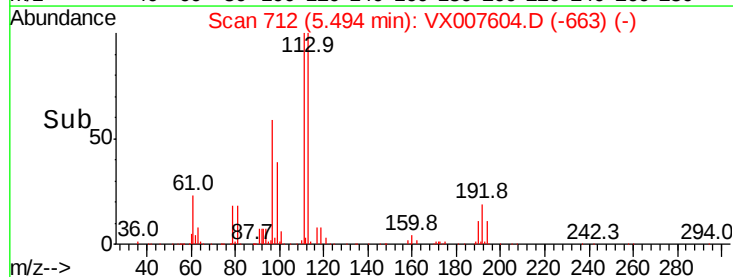
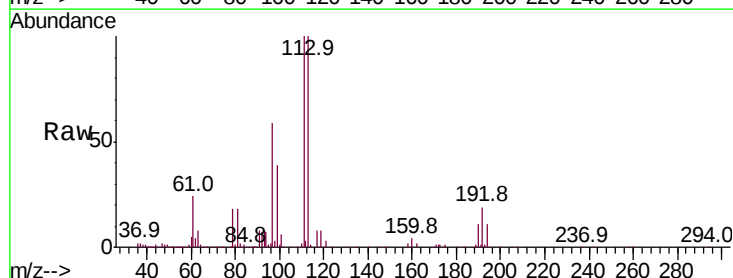
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0219WBS01

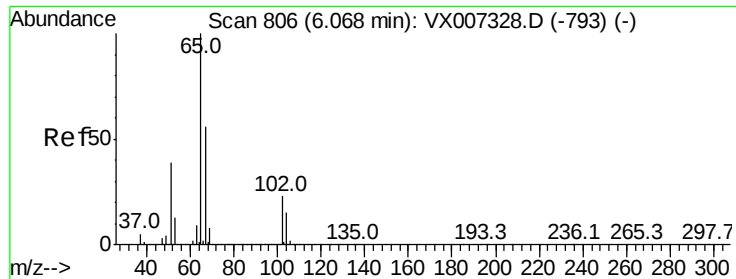
Tot Ion: 56 Resp: 102222  
Ion Ratio Lower Upper  
56 100  
69 26.7 23.0 34.6  
84 86.0 69.8 104.6



#32  
1,1,1-Trichloroethane  
Concen: 19.304 ug/l  
RT: 5.49 min Scan# 712  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Tgt Ion: 97 Resp: 115108  
Ion Ratio Lower Upper  
97 100  
99 66.3 52.2 78.2  
61 41.8 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 49.124 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

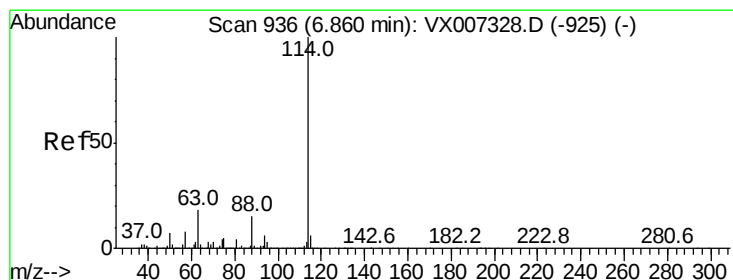
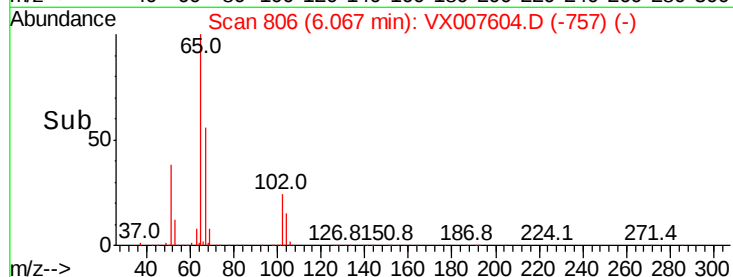
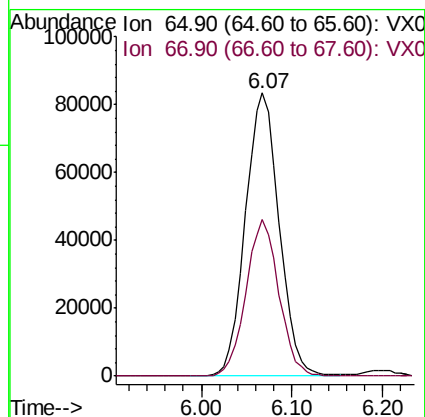
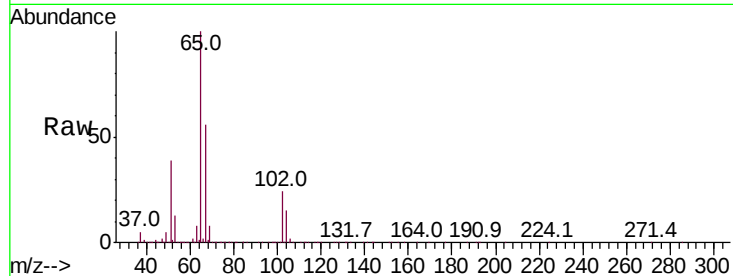
VX0219WBS01

Tot Ion: 65 Resp: 214796

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

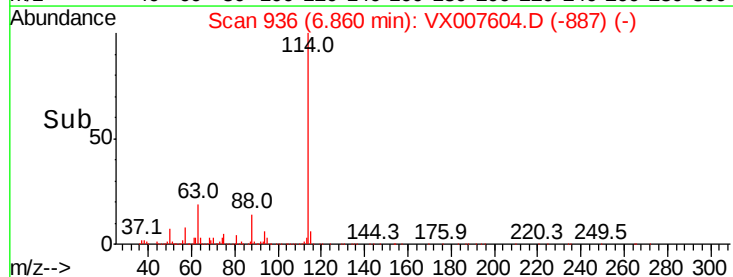
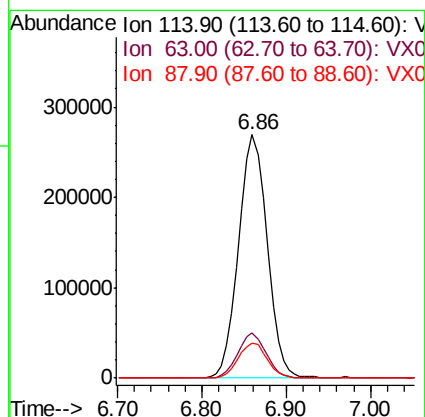
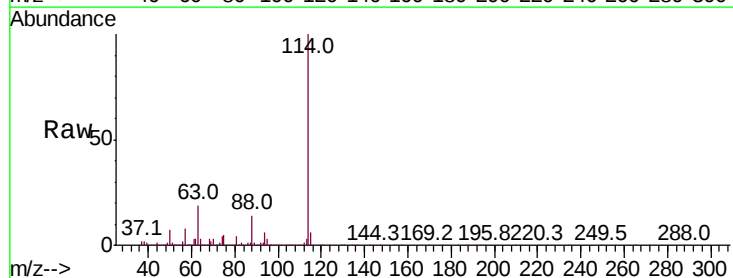
Tgt Ion:114 Resp: 620091

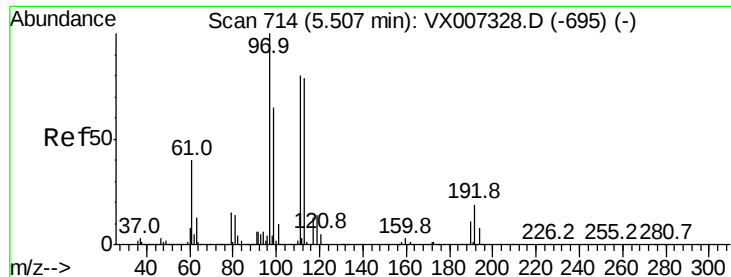
Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.6

88 14.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.292 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

VX0219WBS01

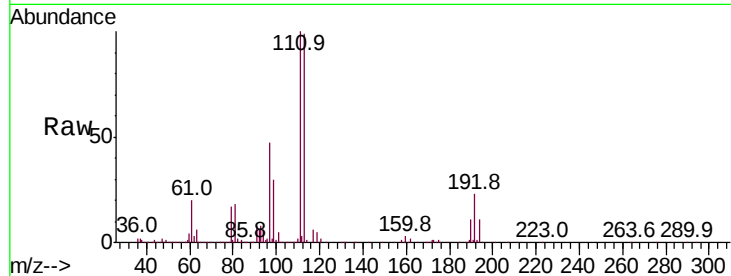
Tot Ion:113 Resp: 198878

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

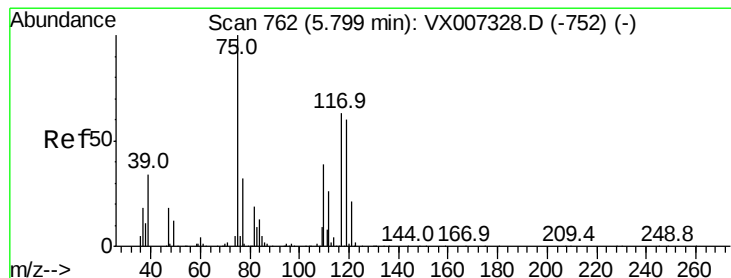
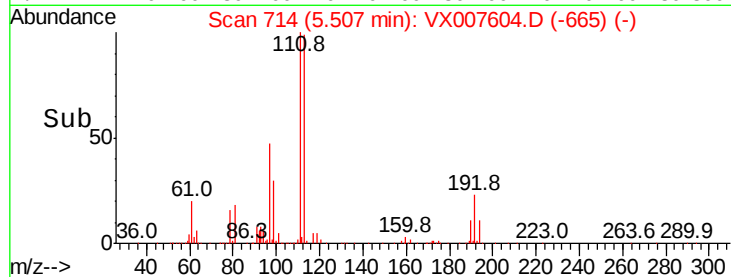
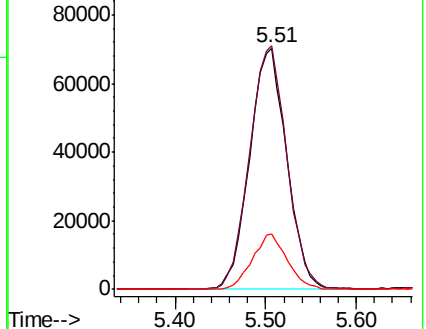
192 21.6 18.5 27.7



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: 16.940 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

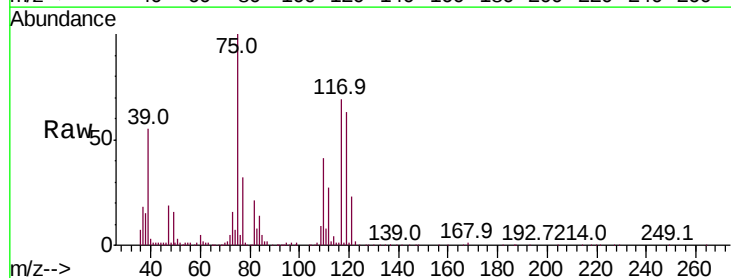
Tgt Ion: 75 Resp: 94249

Ion Ratio Lower Upper

75 100

110 40.6 20.0 59.9

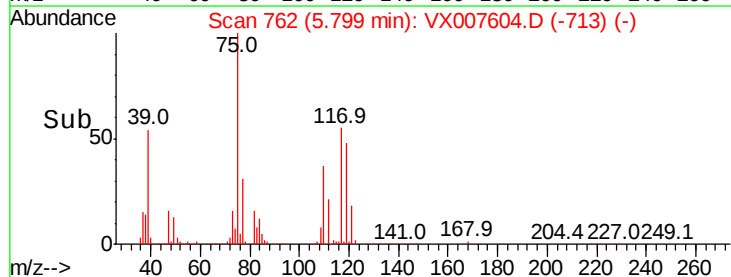
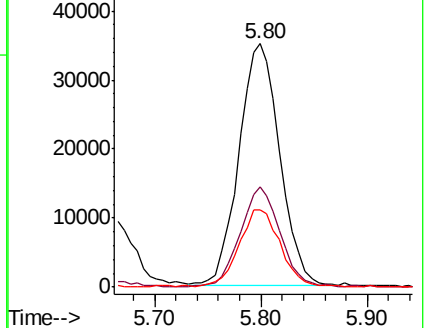
77 32.0 24.7 37.1

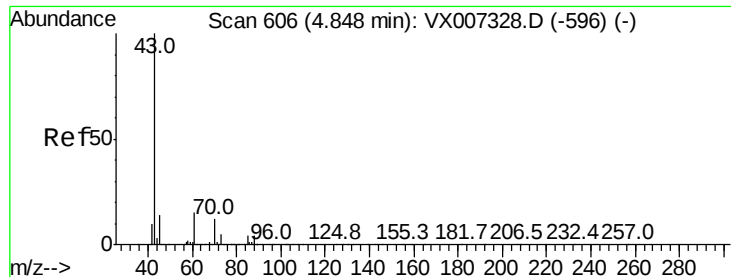


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

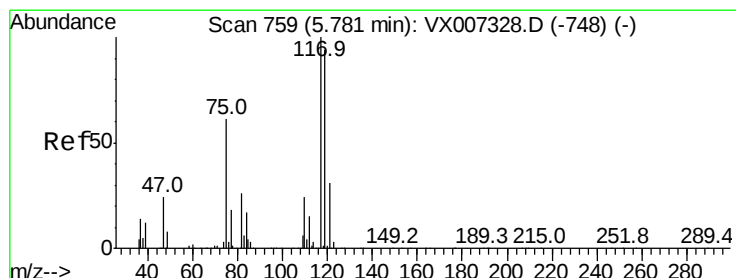
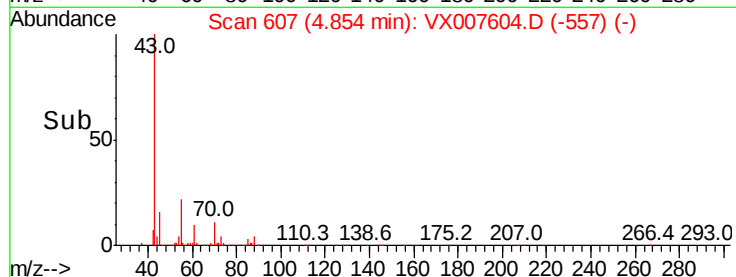
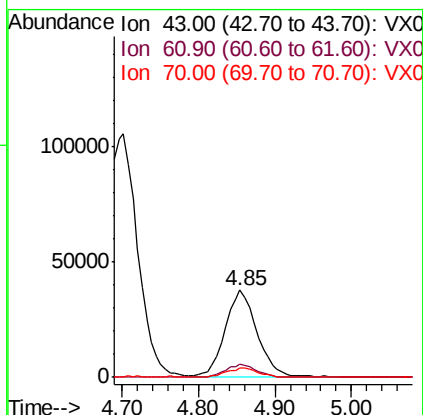
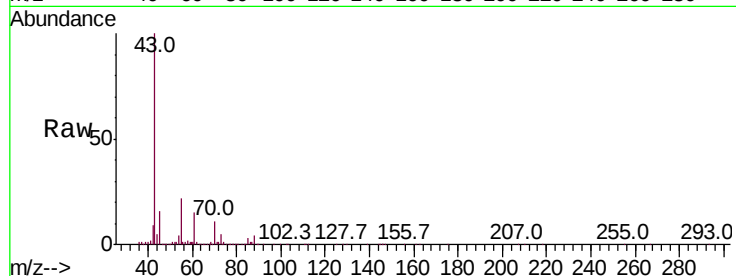




#37  
Ethyl Acetate  
Concen: 19.162 ug/l  
RT: 4.85 min Scan# 607  
Delta R.T. 0.01 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

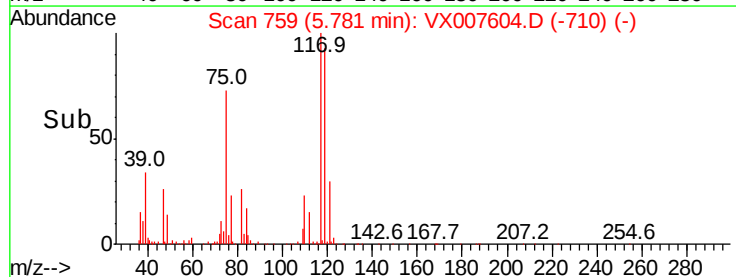
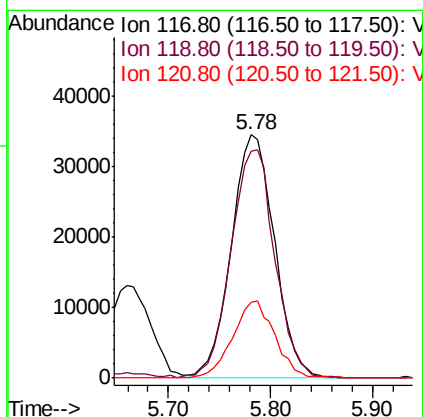
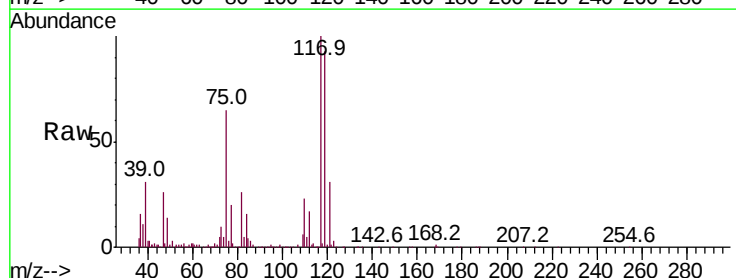
Instrument :  
MSVOA\_X  
ClientSampled :  
VX0219WBS01

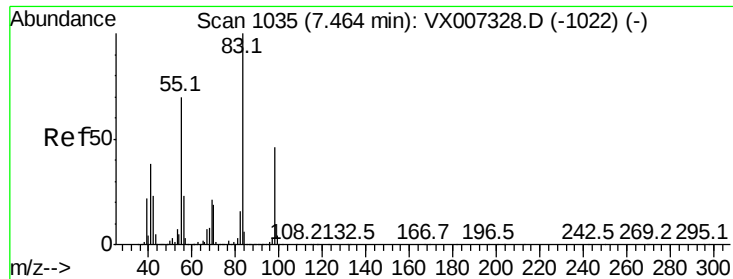
Tot Ion: 43 Resp: 107771  
Ion Ratio Lower Upper  
43 100  
61 14.3 11.3 16.9  
70 11.9 8.6 13.0



#38  
Carbon Tetrachloride  
Concen: 18.701 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Tgt Ion: 117 Resp: 100939  
Ion Ratio Lower Upper  
117 100  
119 93.3 75.3 112.9  
121 31.0 25.0 37.4





#39

Methvlcvclohexane

Concen: 15.992 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

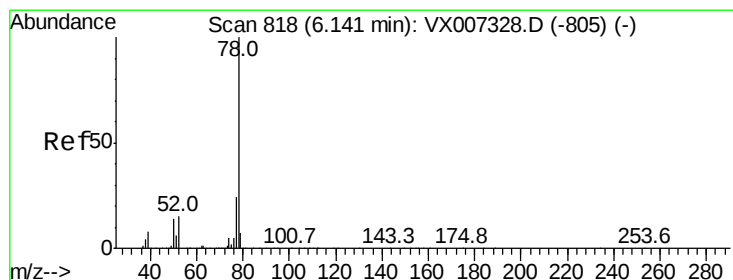
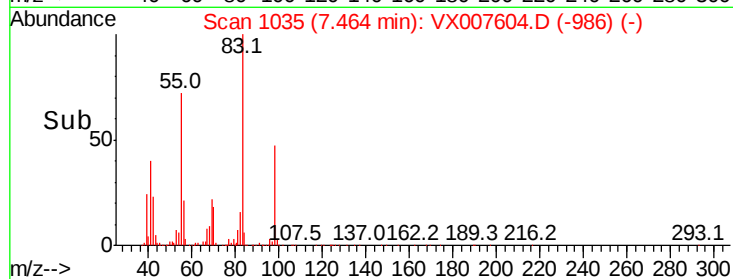
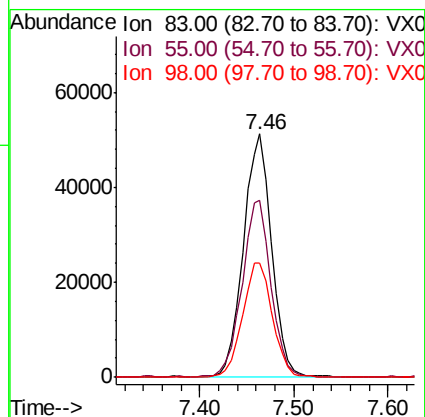
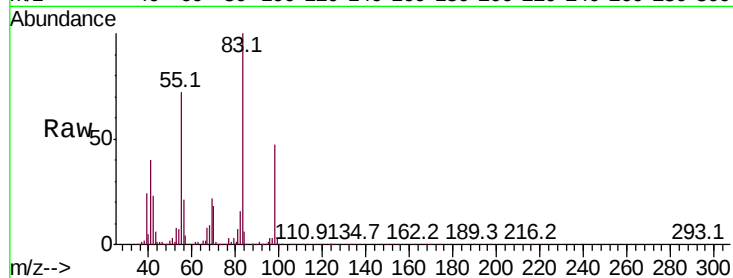
Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0219WBS01

Tot Ion: 83 Resp: 107649

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 72.3  | 56.2  | 84.2  |
| 98  | 46.6  | 36.8  | 55.2  |



#40

Benzene

Concen: 18.347 ug/l

RT: 6.15 min Scan# 819

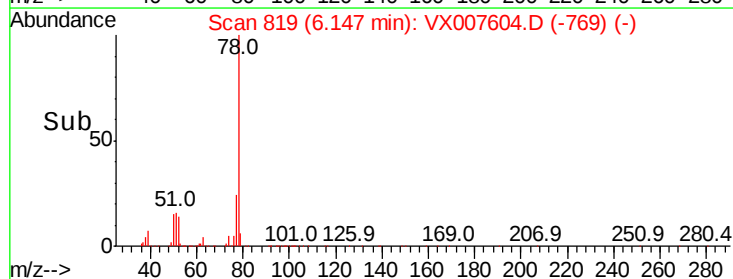
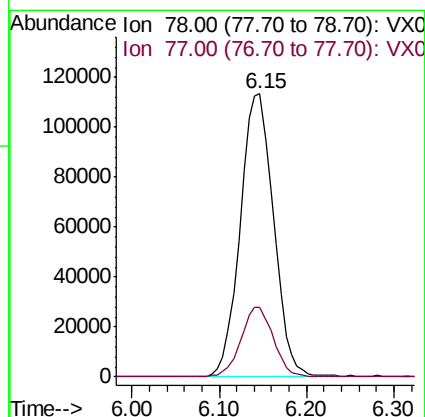
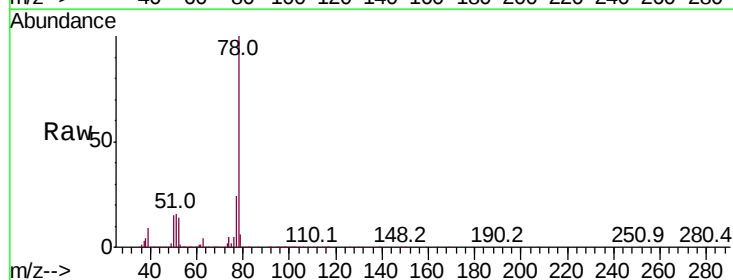
Delta R.T. 0.01 min

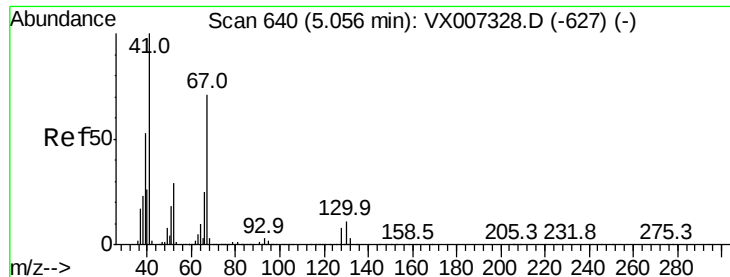
Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion: 78 Resp: 300681

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 24.4  | 19.3  | 28.9  |





#41

Methacrylonitrile

Concen: 19.766 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampled :

VX0219WBS01

Tot Ion: 41 Resp: 59580

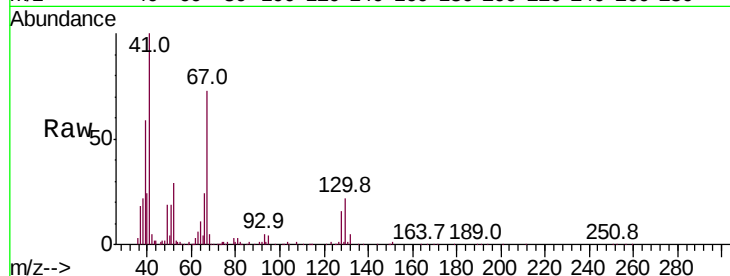
Ion Ratio Lower Upper

41 100

39 54.6 44.5 66.7

67 76.6 60.4 90.6

52 32.0 24.1 36.1

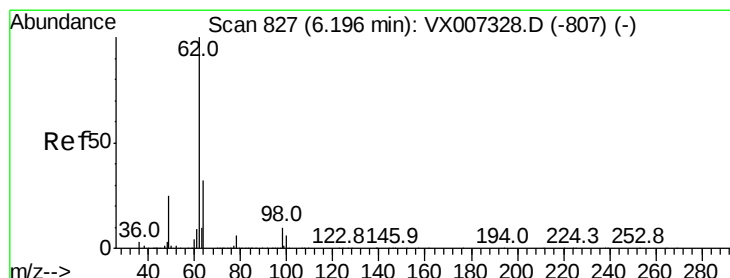
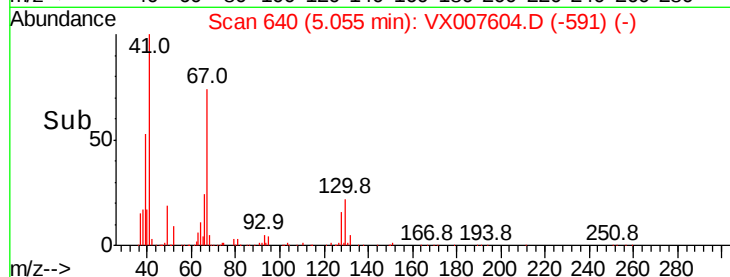
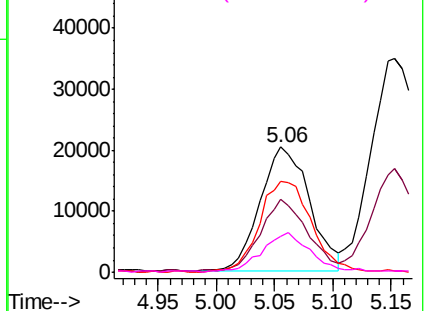


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 18.688 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007604.D

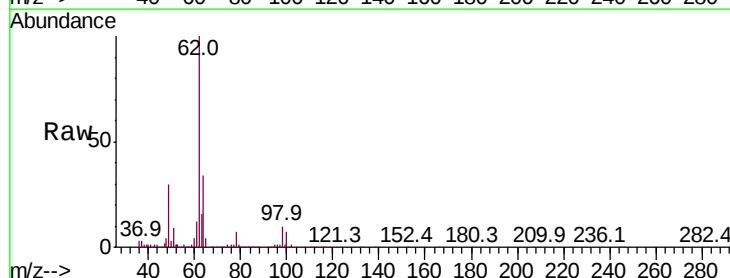
Acq: 19 Feb 2019 11:10

Tgt Ion: 62 Resp: 105968

Ion Ratio Lower Upper

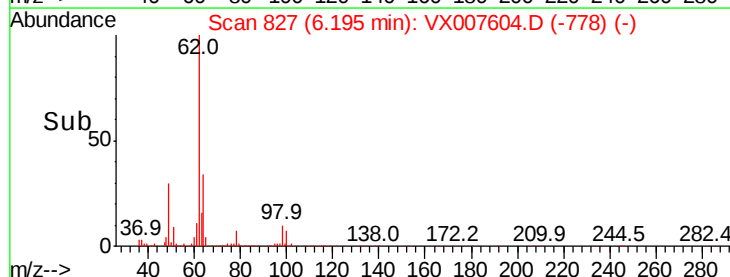
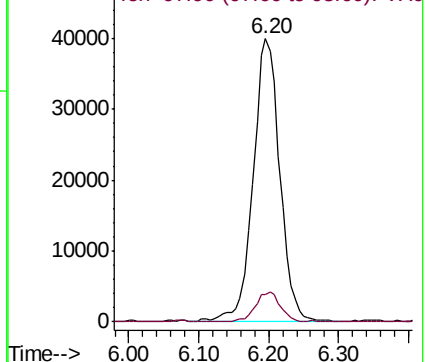
62 100

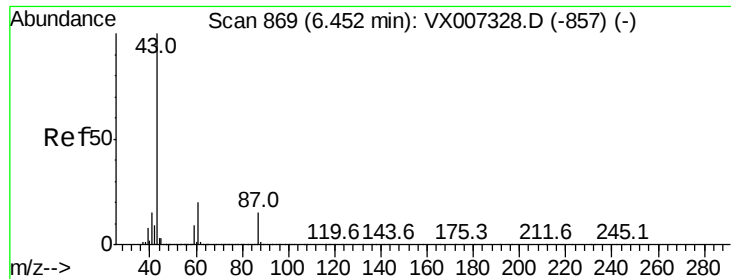
98 10.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



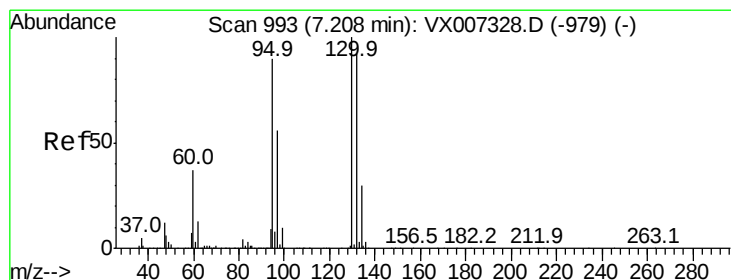
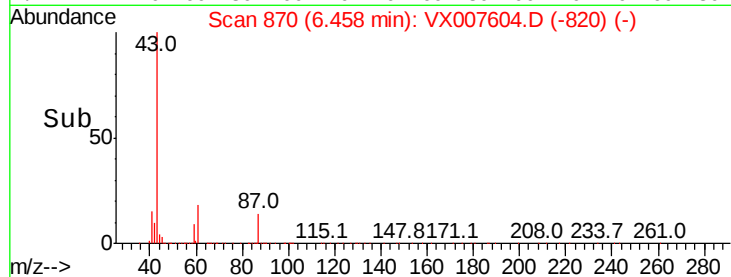
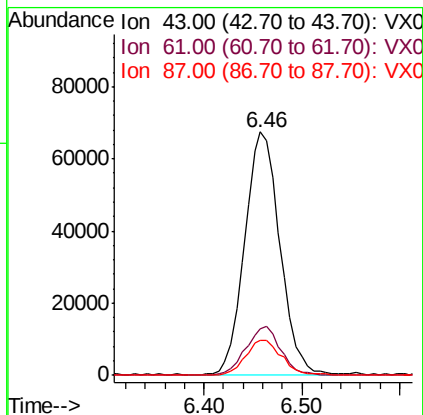
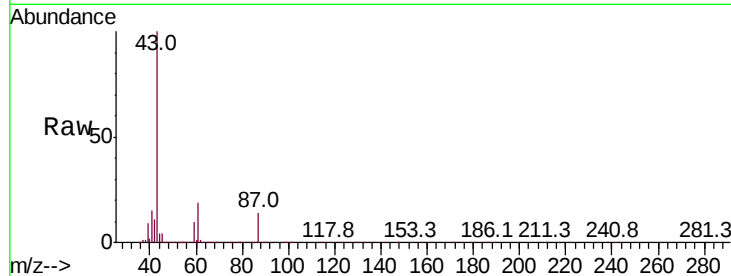


#43

Isopropyl Acetate  
 Concen: 19.443 ug/l  
 RT: 6.46 min Scan# 870  
 Delta R.T. 0.01 min  
 Lab File: VX007604.D  
 Acq: 19 Feb 2019 11:10

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0219WBS01

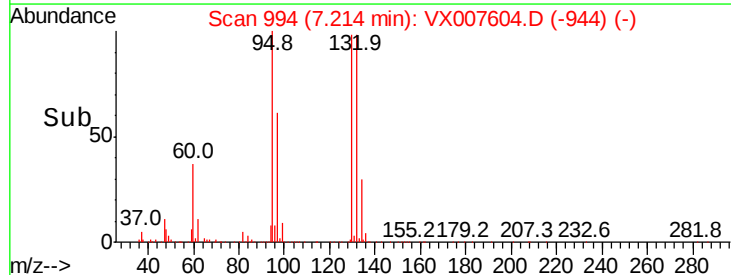
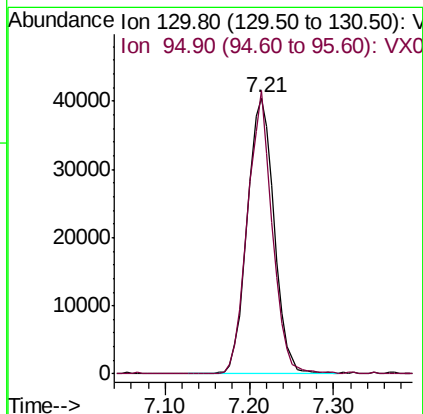
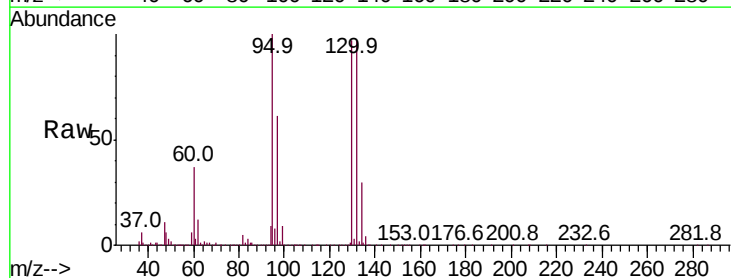
Tot Ion: 43 Resp: 168786  
 Ion Ratio Lower Upper  
 43 100  
 61 20.1 16.1 24.1  
 87 15.0 11.5 17.3

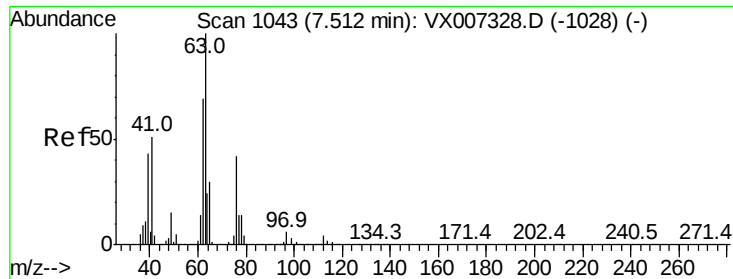


#44

Trichloroethene  
 Concen: 17.657 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.01 min  
 Lab File: VX007604.D  
 Acq: 19 Feb 2019 11:10

Tgt Ion: 130 Resp: 87156  
 Ion Ratio Lower Upper  
 130 100  
 95 102.5 0.0 180.0





#45

1,2-Dichloropropane

Concen: 18.694 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

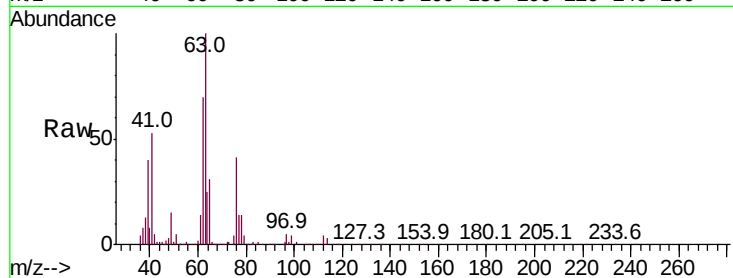
VX0219WBS01

Tot Ion: 63 Resp: 76763

Ion Ratio Lower Upper

63 100

65 30.9 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

40000

30000

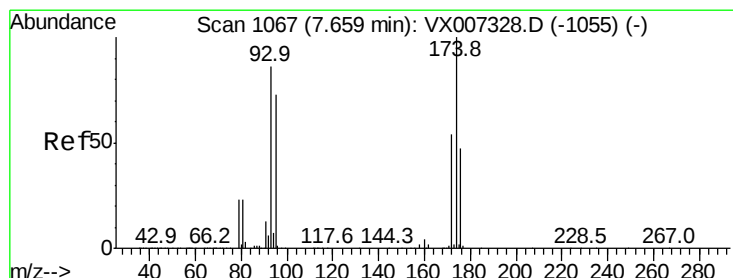
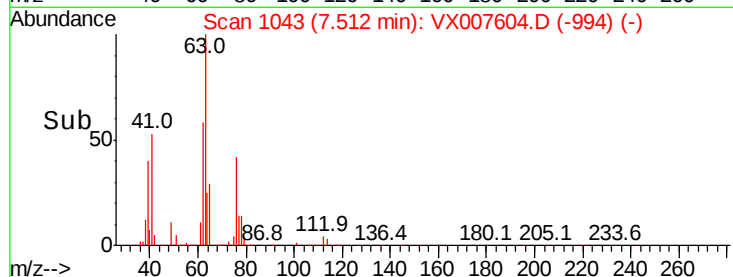
20000

10000

0

7.45 7.50 7.55 7.60

Time-->



#46

Dibromomethane

Concen: 18.332 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

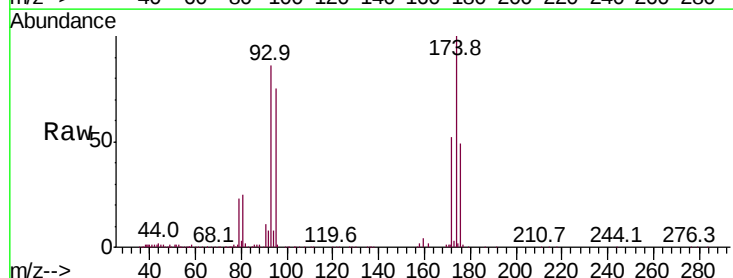
Tgt Ion: 93 Resp: 54711

Ion Ratio Lower Upper

93 100

95 84.2 67.6 101.4

174 113.0 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

40000

30000

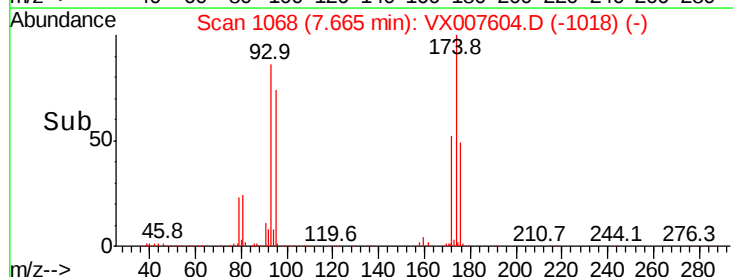
20000

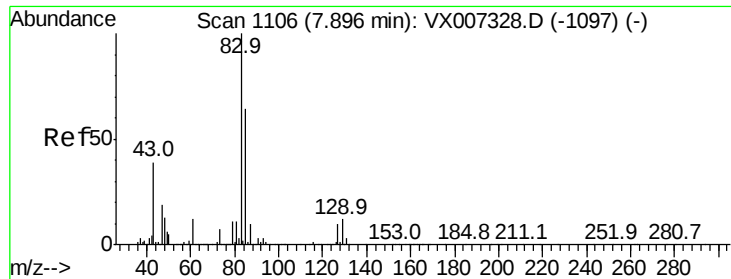
10000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 19.213 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

VX0219WBS01

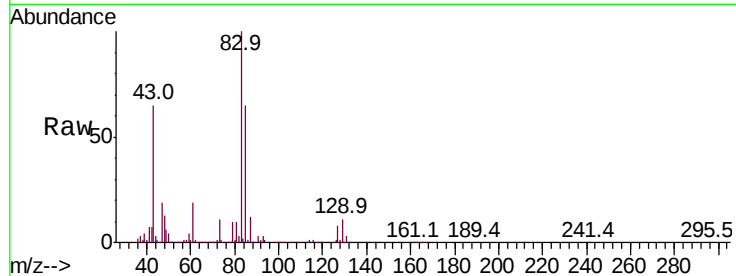
Tot Ion: 83 Resp: 97181

Ion Ratio Lower Upper

83 100

85 65.3 51.4 77.0

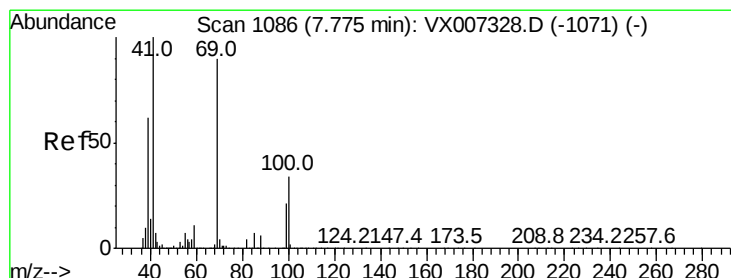
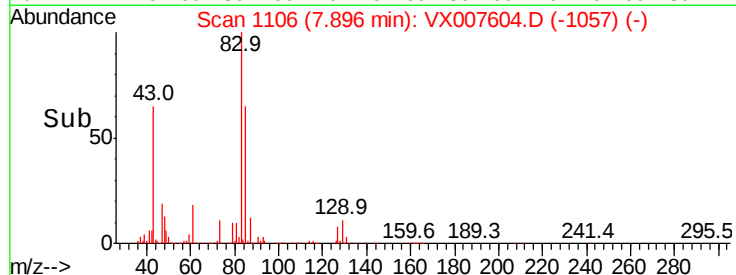
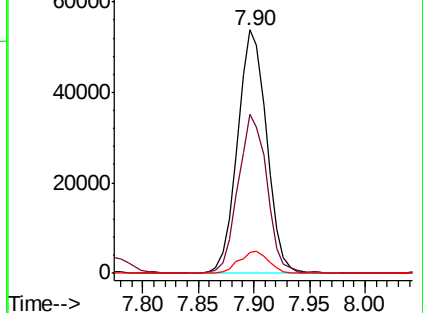
127 8.5 8.1 12.1



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: 19.648 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

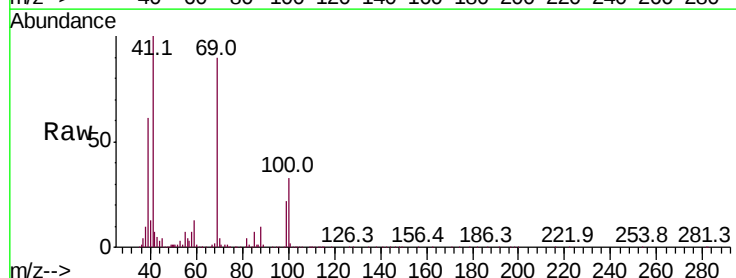
Tgt Ion: 41 Resp: 85316

Ion Ratio Lower Upper

41 100

69 89.1 70.2 105.4

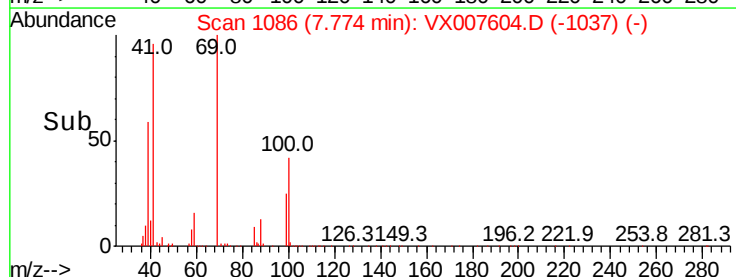
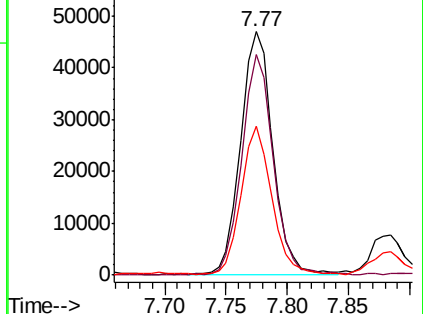
39 58.2 47.4 71.0

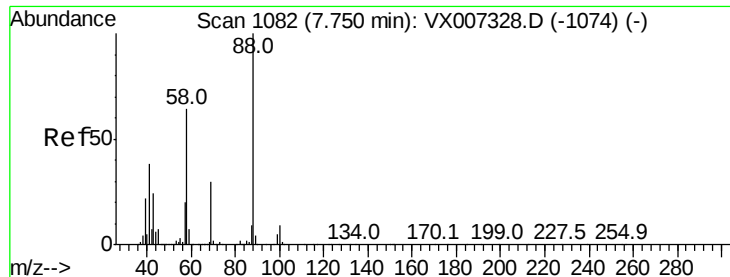


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 416.687 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampled :

VX0219WBS01

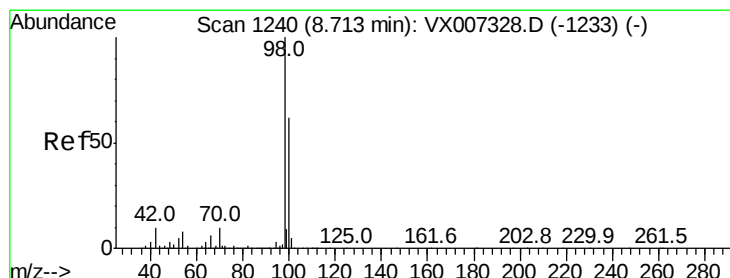
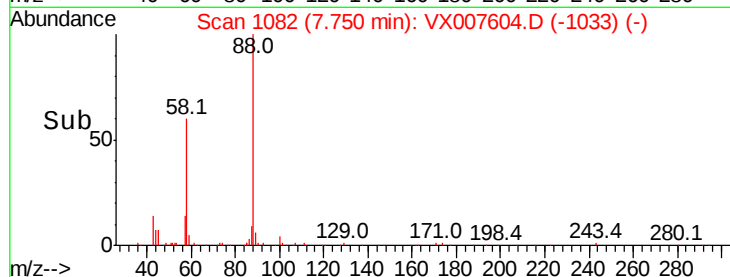
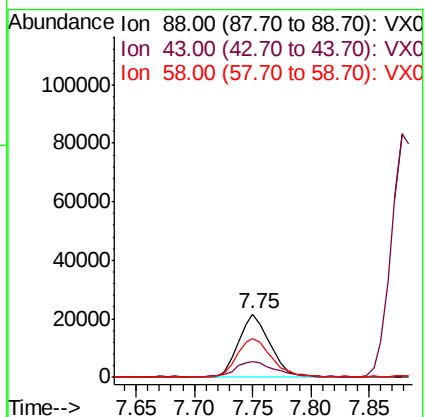
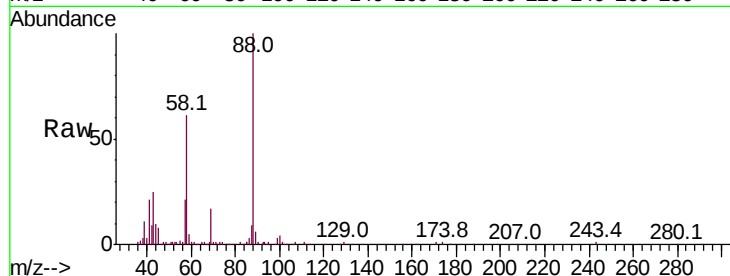
Tot Ion: 88 Resp: 40749

Ion Ratio Lower Upper

88 100

43 28.8 24.2 36.4

58 66.2 53.0 79.4



#50

Toluene-d8

Concen: 47.646 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007604.D

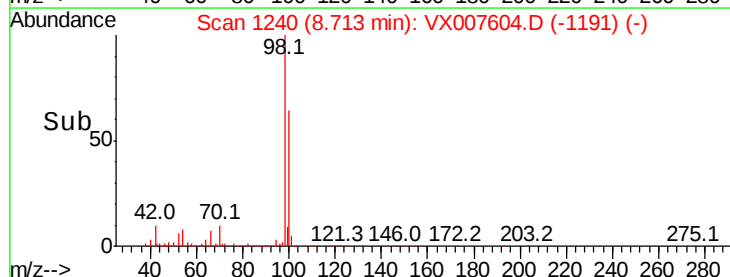
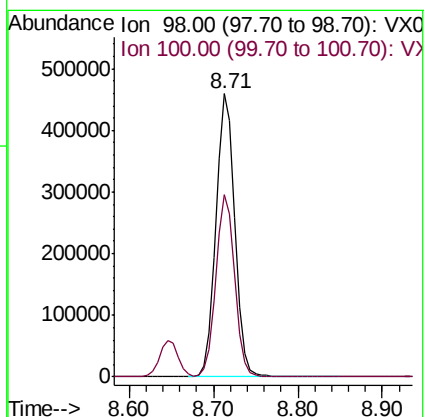
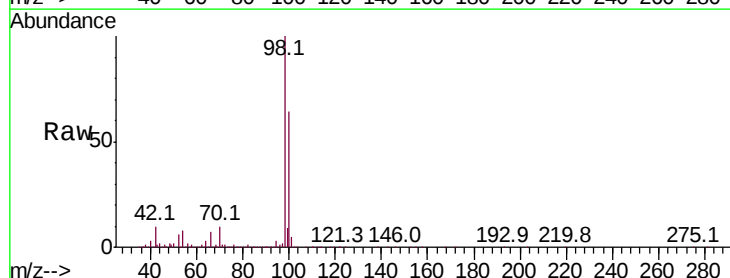
Acq: 19 Feb 2019 11:10

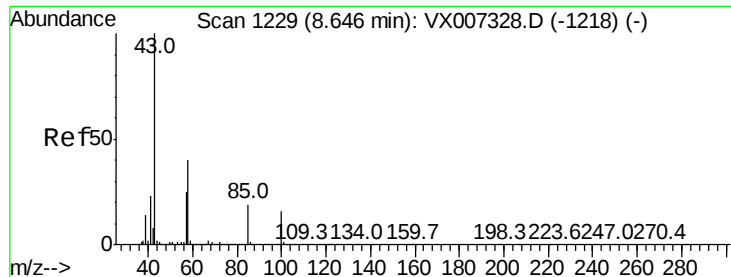
Tgt Ion: 98 Resp: 713235

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4

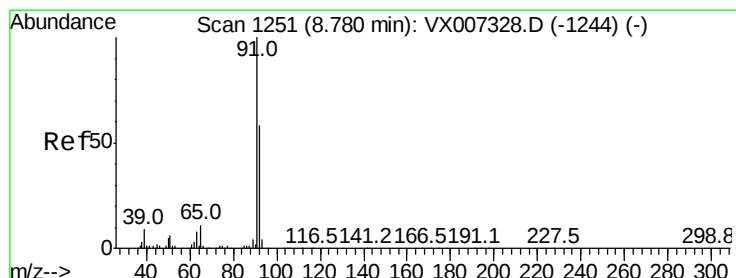
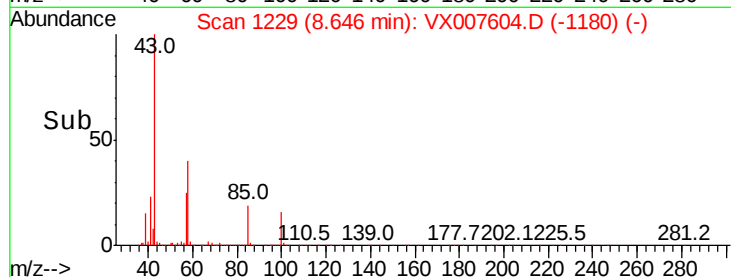
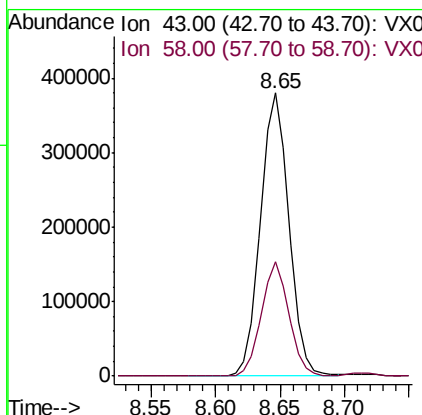
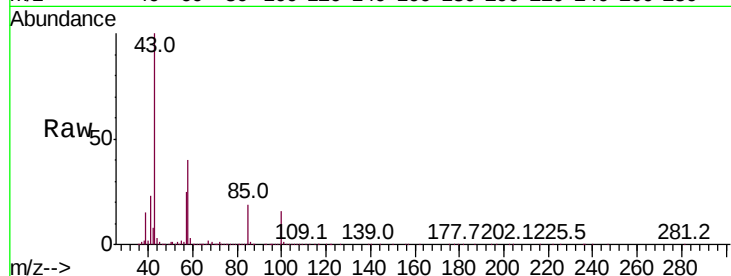




#51  
4-Methyl-2-Pentanone  
Concen: 101.241 ug/l  
RT: 8.65 min Scan# 1229  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

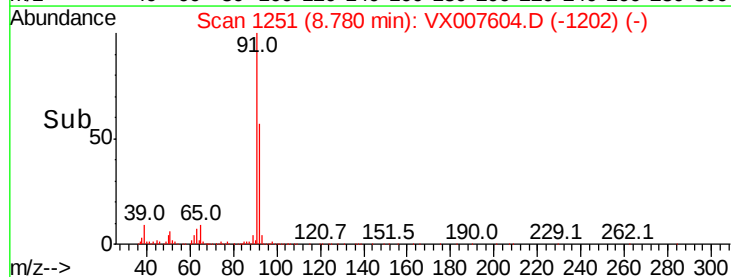
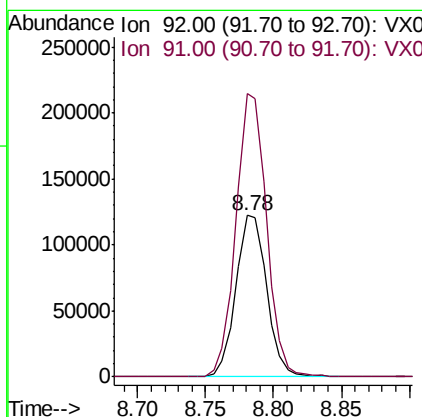
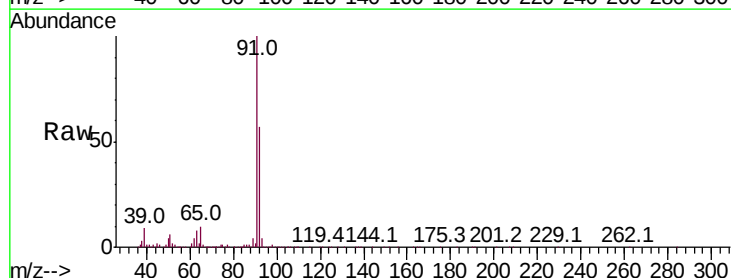
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0219WBS01

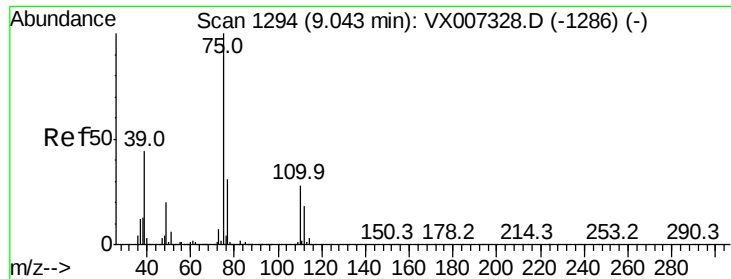
Tot Ion: 43 Resp: 578569  
Ion Ratio Lower Upper  
43 100  
58 39.3 31.2 46.8



#52  
Toluene  
Concen: 18.348 ug/l  
RT: 8.78 min Scan# 1251  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Tgt Ion: 92 Resp: 194009  
Ion Ratio Lower Upper  
92 100  
91 174.6 139.1 208.7

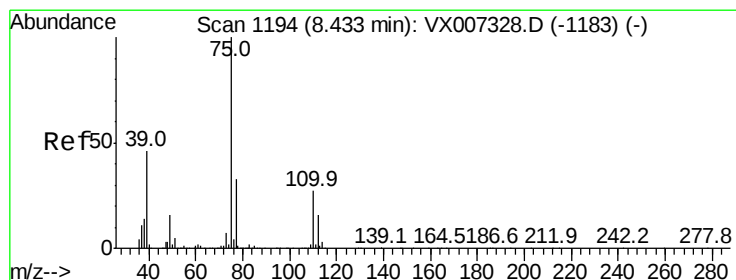
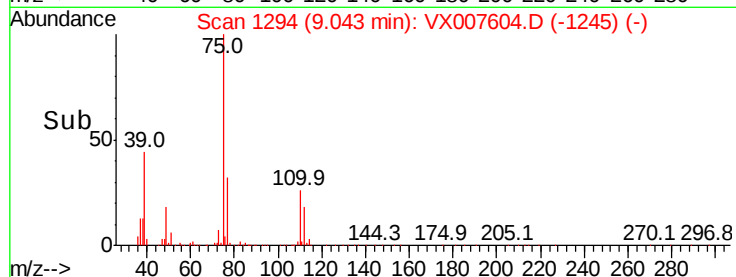
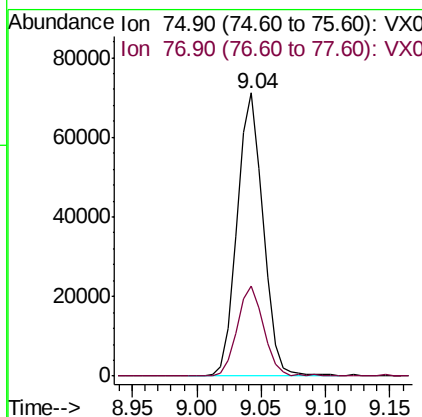
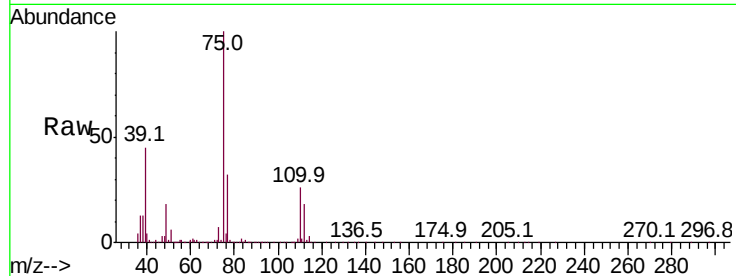




#53  
 t-1,3-Dichloropropene  
 Concen: 18.391 ug/l  
 RT: 9.04 min Scan# 1294  
 Delta R.T. -0.00 min  
 Lab File: VX007604.D  
 Acq: 19 Feb 2019 11:10

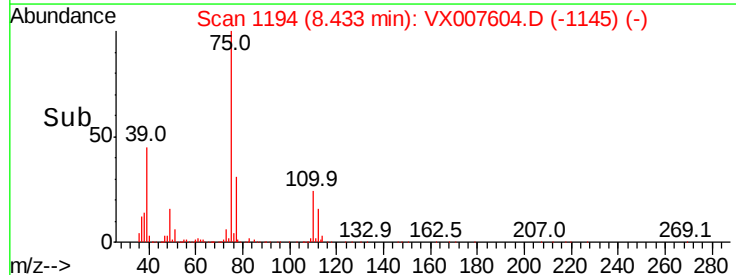
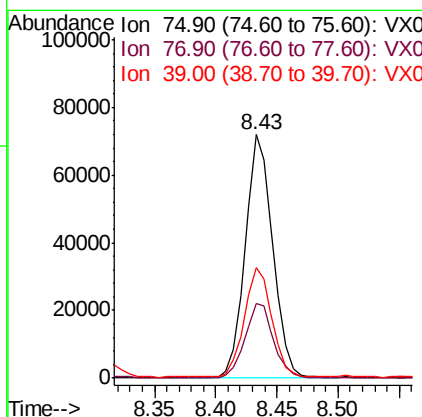
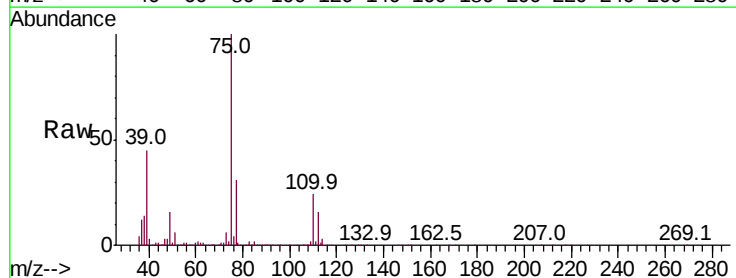
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0219WBS01

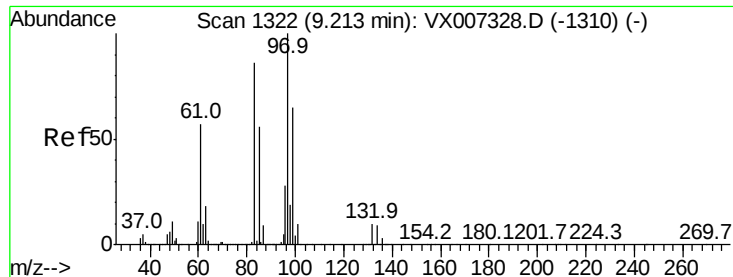
Tot Ion: 75 Resp: 99920  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.2 37.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 18.752 ug/l  
 RT: 8.43 min Scan# 1194  
 Delta R.T. -0.00 min  
 Lab File: VX007604.D  
 Acq: 19 Feb 2019 11:10

Tgt Ion: 75 Resp: 112040  
 Ion Ratio Lower Upper  
 75 100  
 77 30.6 26.2 39.4  
 39 44.8 37.1 55.7

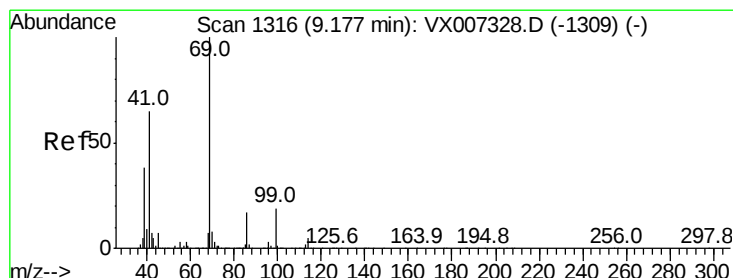
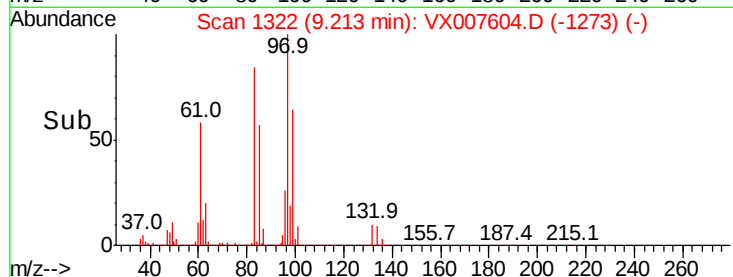
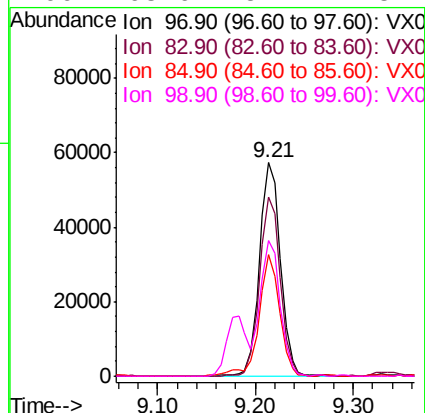
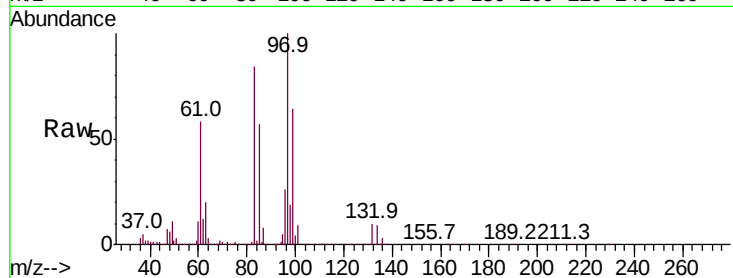




#55  
 1,1,2-Trichloroethane  
 Concen: 19.476 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: VX007604.D  
 Acq: 19 Feb 2019 11:10

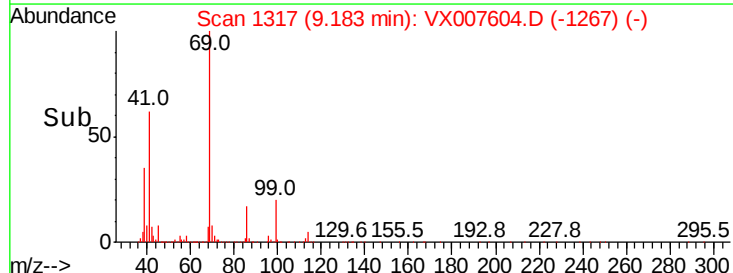
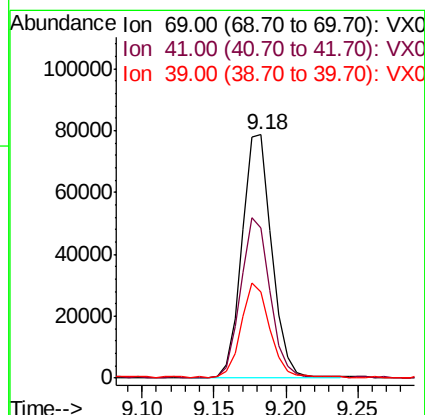
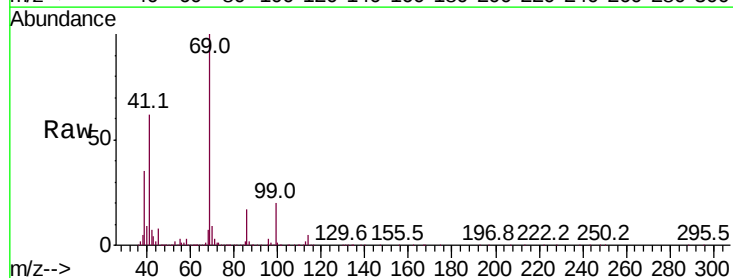
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0219WBS01

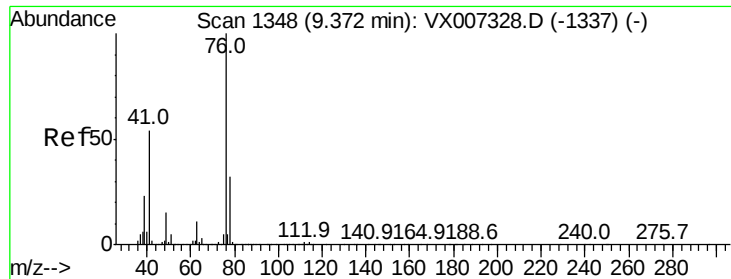
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 85842 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.1  | 68.6  | 102.8 |
| 85       | 56.7  | 44.5  | 66.7  |
| 99       | 63.6  | 52.2  | 78.4  |



#56  
 Ethyl methacrylate  
 Concen: 18.408 ug/l  
 RT: 9.18 min Scan# 1317  
 Delta R.T. 0.01 min  
 Lab File: VX007604.D  
 Acq: 19 Feb 2019 11:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 112373 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 64.1  | 52.1  | 78.1   |
| 39       | 37.6  | 30.1  | 45.1   |





#57

1,3-Dichloropropane

Concen: 18.829 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

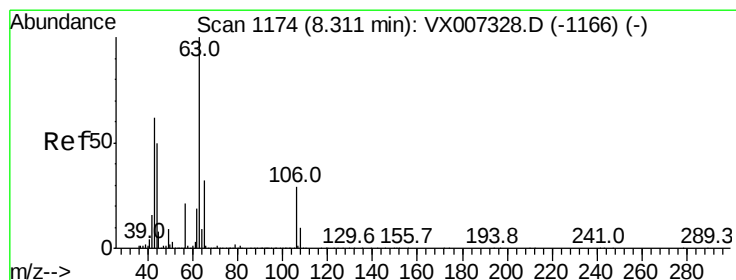
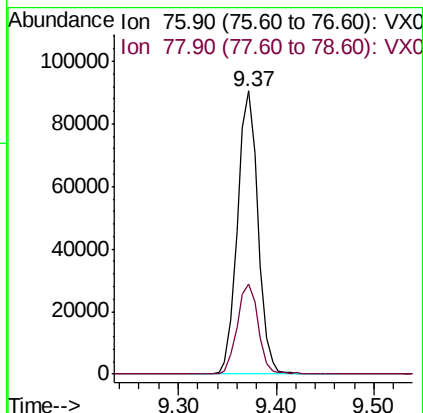
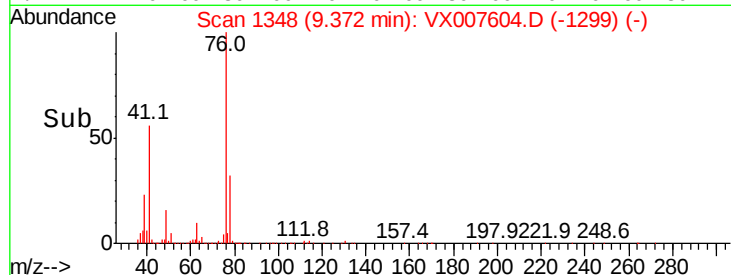
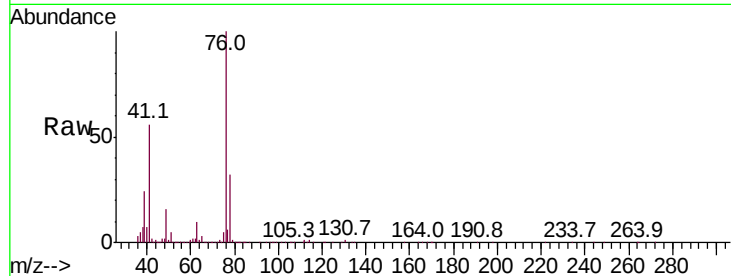
VX0219WBS01

Tot Ion: 76 Resp: 131980

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 100.992 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007604.D

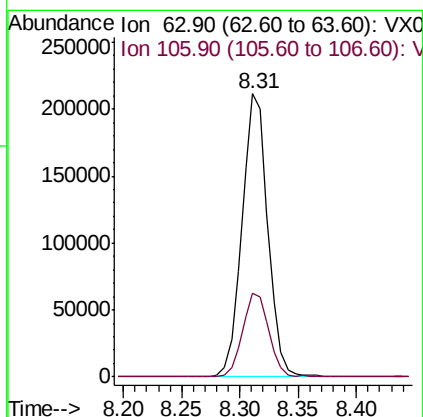
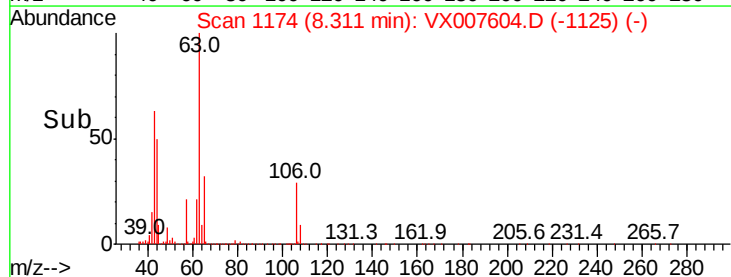
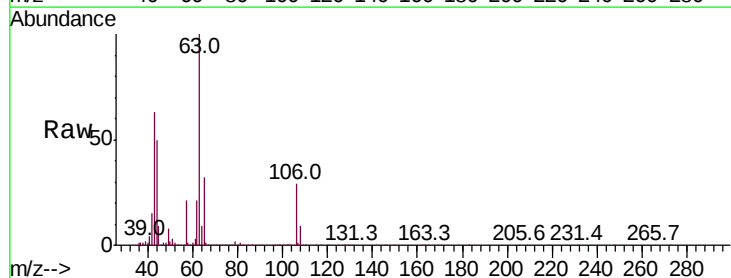
Acq: 19 Feb 2019 11:10

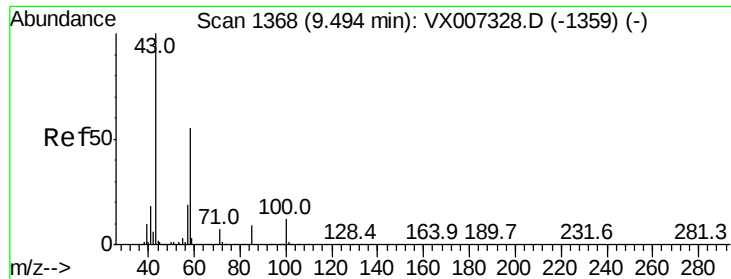
Tgt Ion: 63 Resp: 324959

Ion Ratio Lower Upper

63 100

106 30.2 23.6 35.4

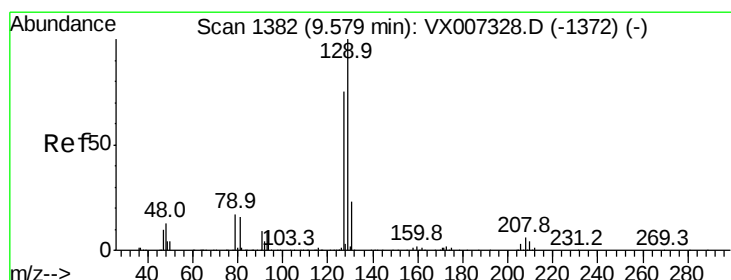
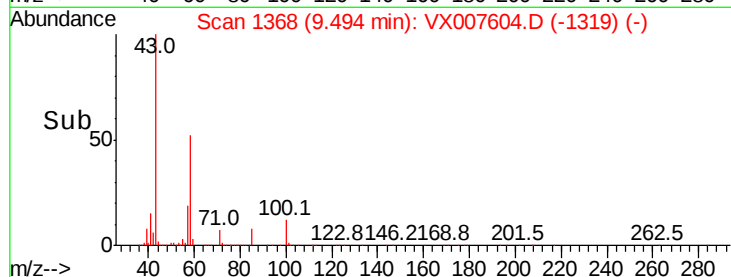
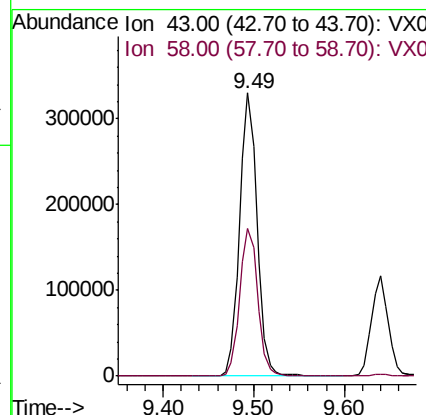
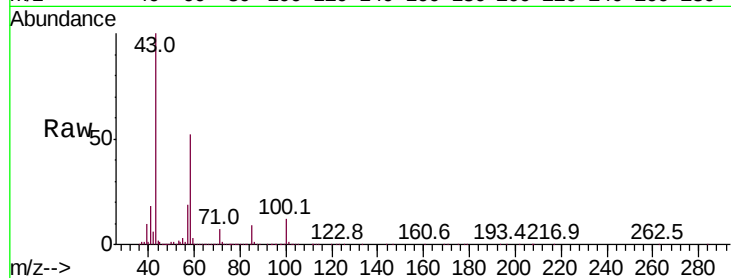




#59  
2-Hexanone  
Concen: 99.382 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

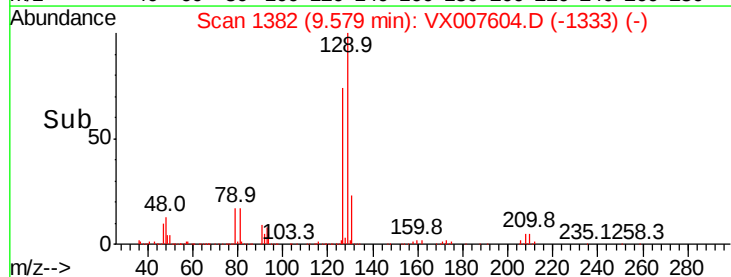
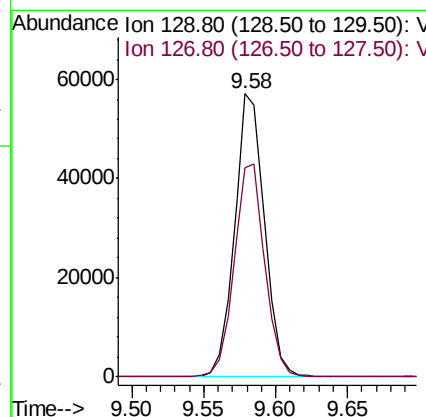
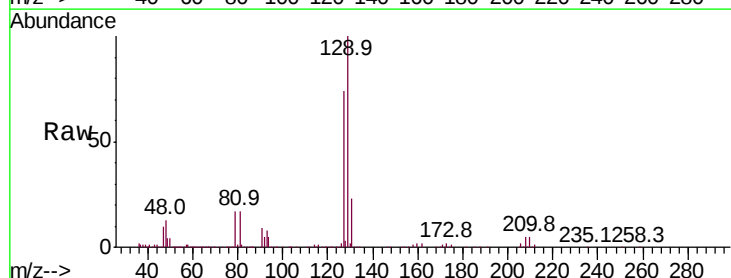
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0219WBS01

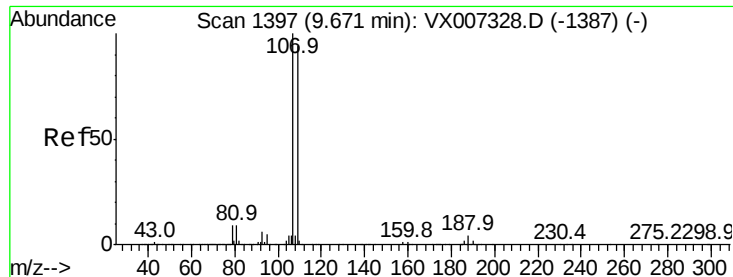
Tot Ion: 43 Resp: 441958  
Ion Ratio Lower Upper  
43 100  
58 54.0 27.1 81.3



#60  
Dibromochloromethane  
Concen: 19.806 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Tgt Ion: 129 Resp: 82563  
Ion Ratio Lower Upper  
129 100  
127 77.1 37.8 113.4





#61

1,2-Dibromoethane

Concen: 18.814 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

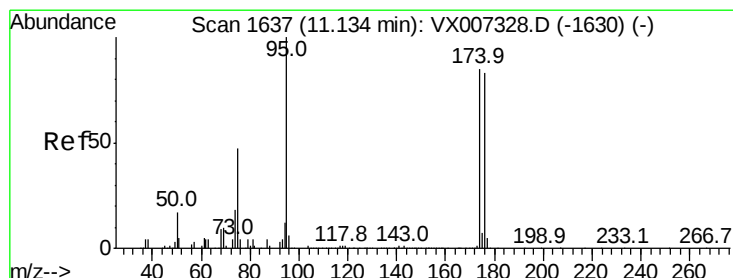
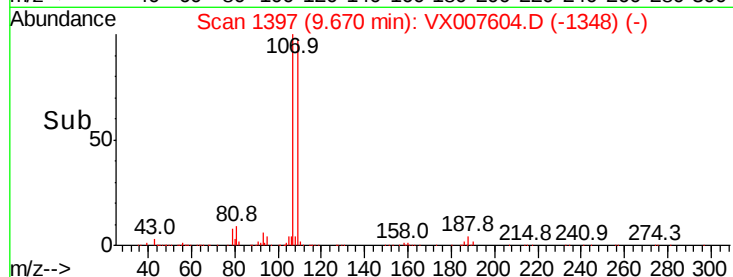
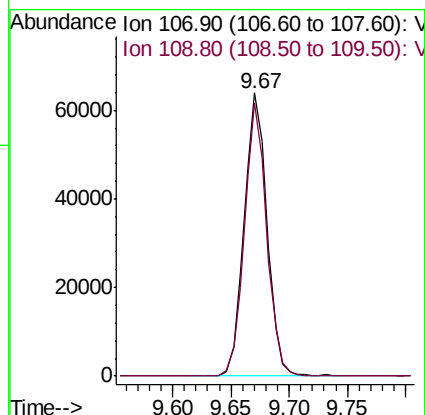
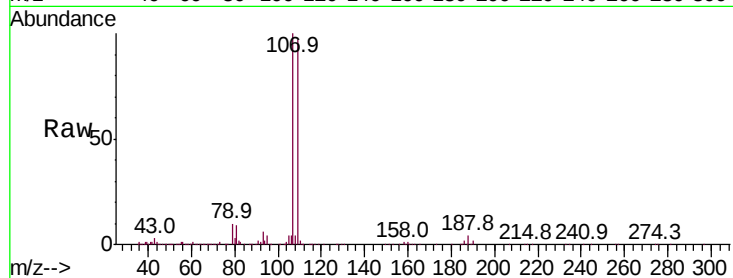
VX0219WBS01

Tot Ion:107 Resp: 87819

Ion Ratio Lower Upper

107 100

109 94.5 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 46.254 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

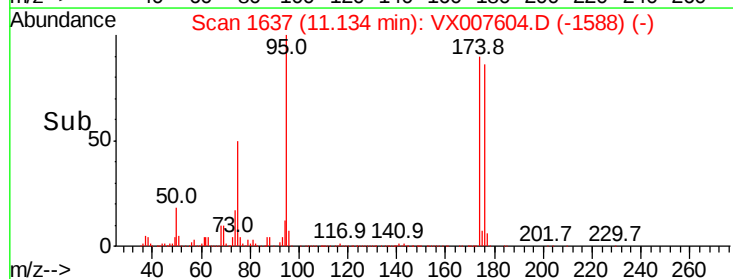
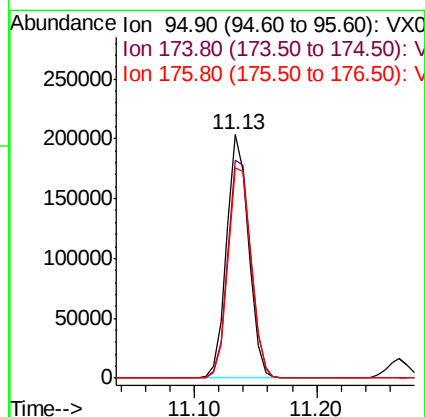
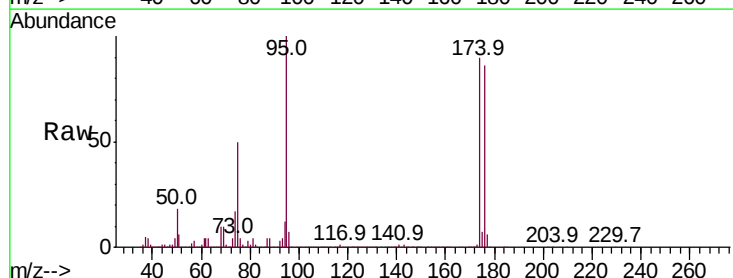
Tgt Ion: 95 Resp: 252795

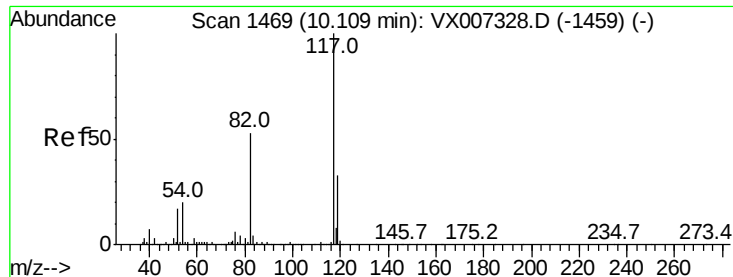
Ion Ratio Lower Upper

95 100

174 94.4 0.0 189.2

176 90.9 0.0 186.2

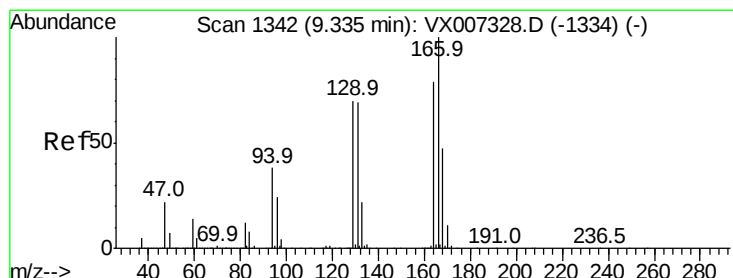
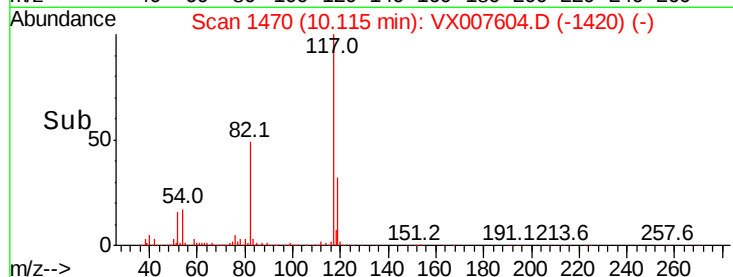
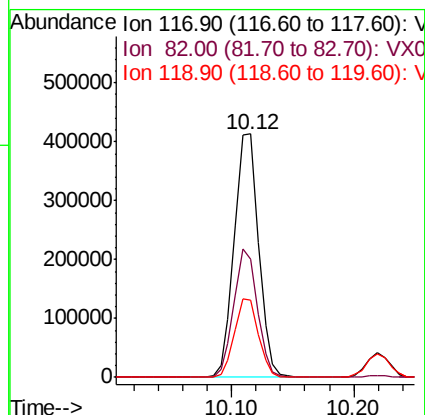
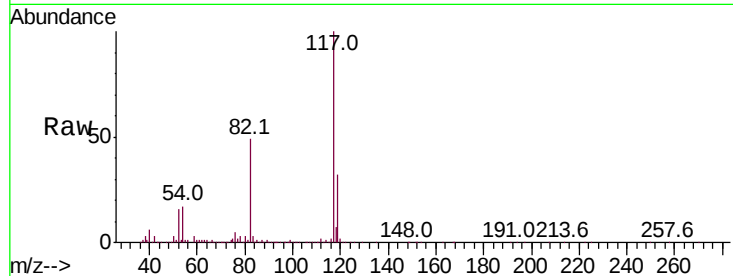




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

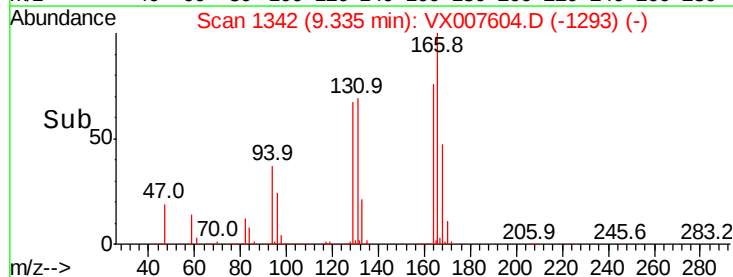
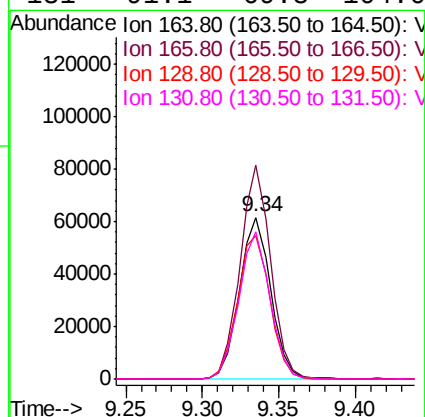
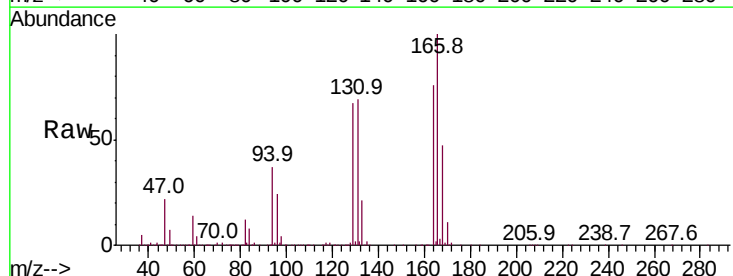
Instrument :  
MSVOA\_X  
ClientSampled :  
VX0219WBS01

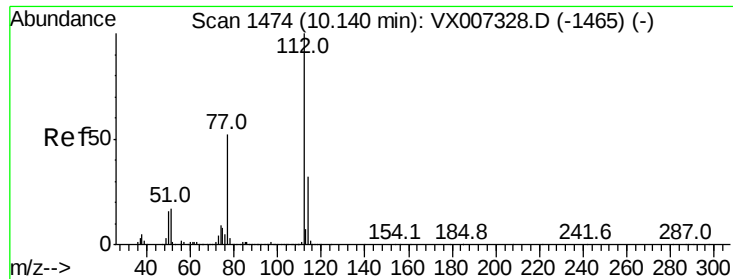
Tot Ion:117 Resp: 570223  
Ion Ratio Lower Upper  
117 100  
82 48.7 42.1 63.1  
119 31.8 26.5 39.7



#64  
Tetrachloroethene  
Concen: 16.313 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Tgt Ion:164 Resp: 87673  
Ion Ratio Lower Upper  
164 100  
166 132.1 101.0 151.4  
129 88.8 70.5 105.7  
131 91.1 69.8 104.6

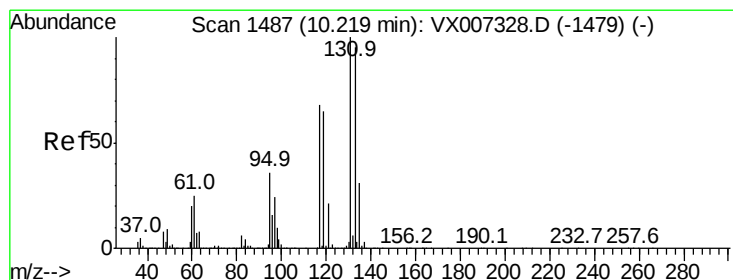
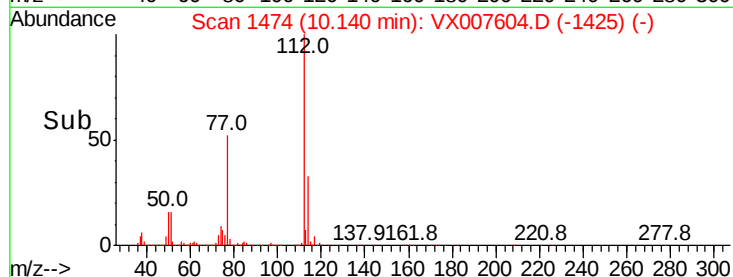
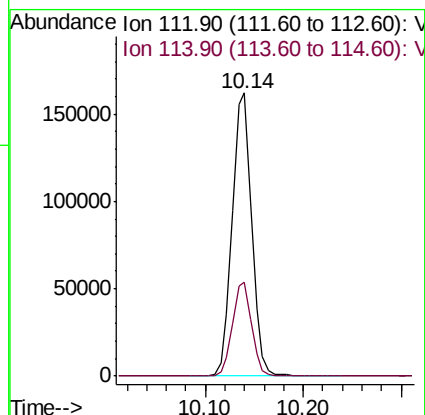
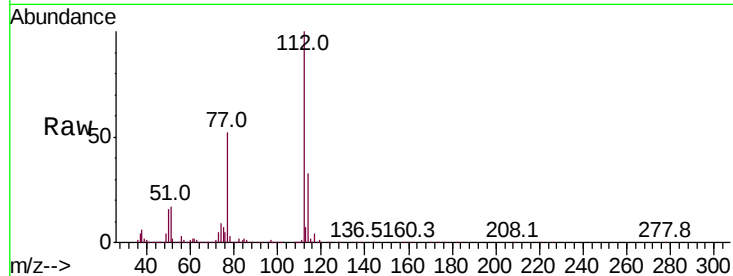




#65  
Chlorobenzene  
Concen: 18.060 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

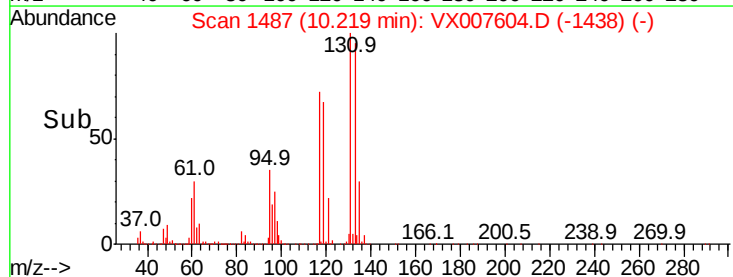
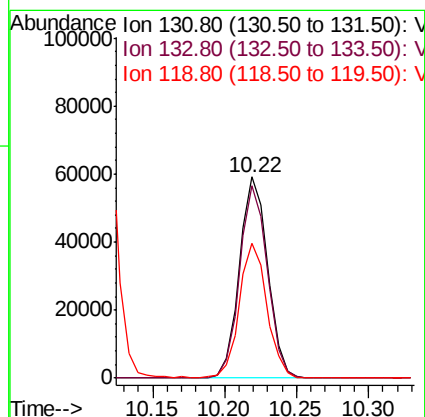
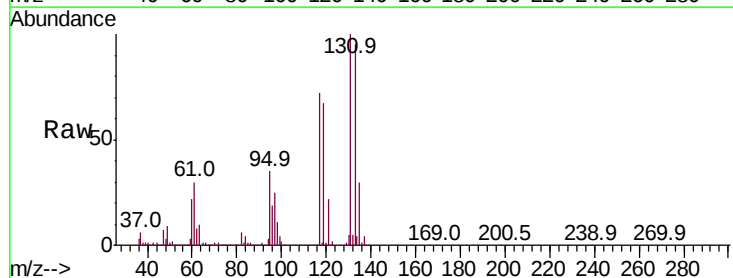
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0219WBS01

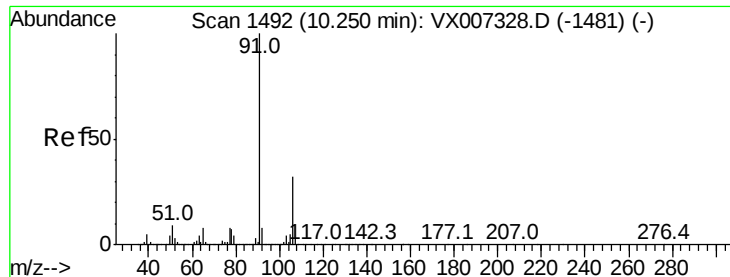
Tot Ion:112 Resp: 224732  
Ion Ratio Lower Upper  
112 100  
114 33.1 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.385 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Tgt Ion:131 Resp: 80871  
Ion Ratio Lower Upper  
131 100  
133 94.2 48.0 144.2  
119 65.1 32.0 96.0





#67

Ethyl Benzene

Concen: 17.920 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

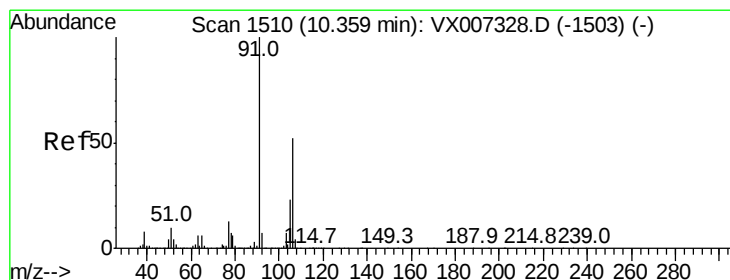
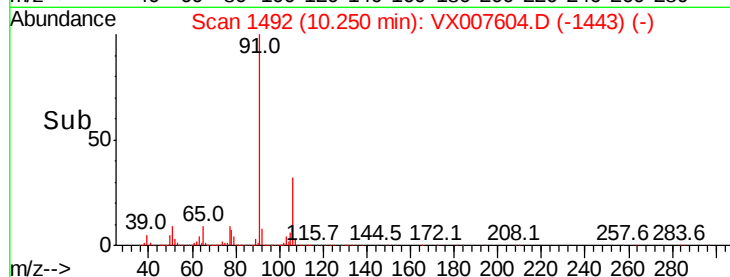
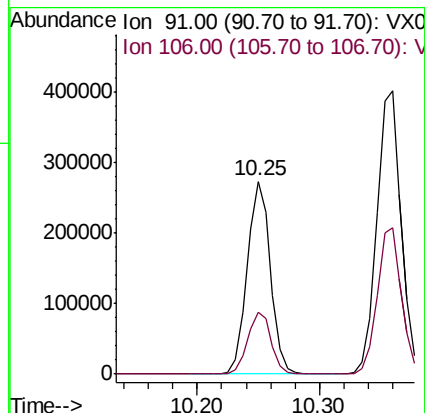
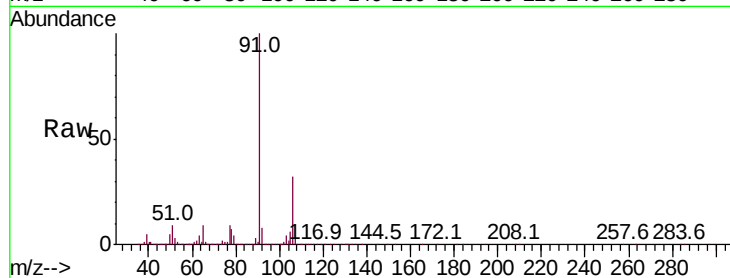
VX0219WBS01

Tot Ion: 91 Resp: 359099

Ion Ratio Lower Upper

91 100

106 32.5 25.4 38.0



#68

m/p-Xylenes

Concen: 35.848 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007604.D

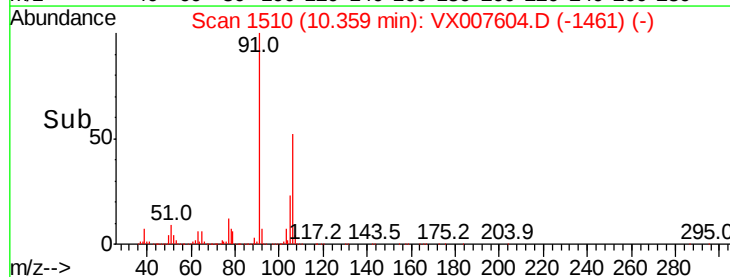
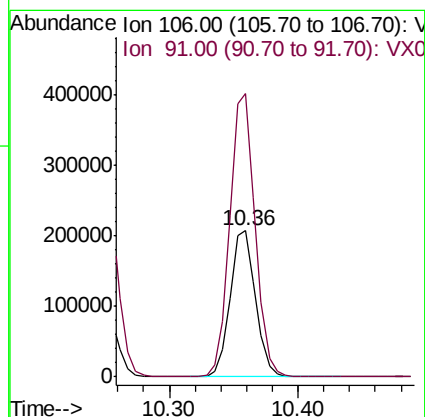
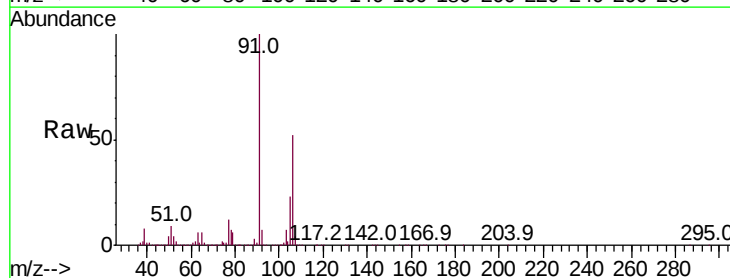
Acq: 19 Feb 2019 11:10

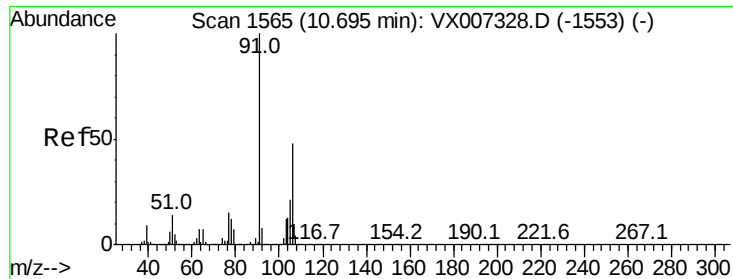
Tgt Ion: 106 Resp: 285546

Ion Ratio Lower Upper

106 100

91 194.3 156.6 234.8

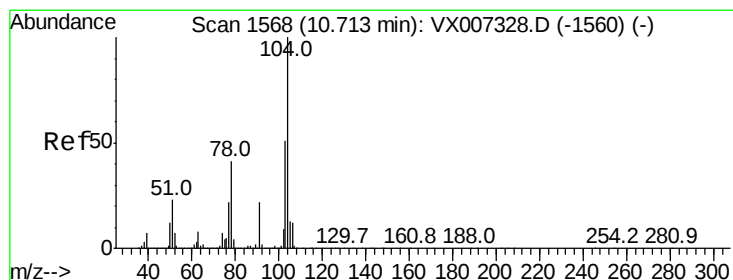
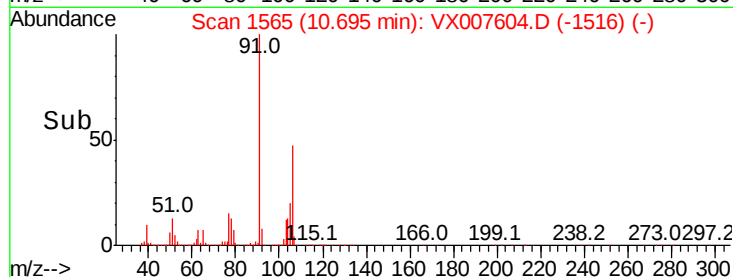
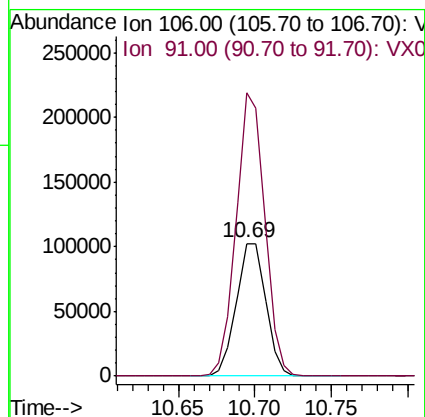
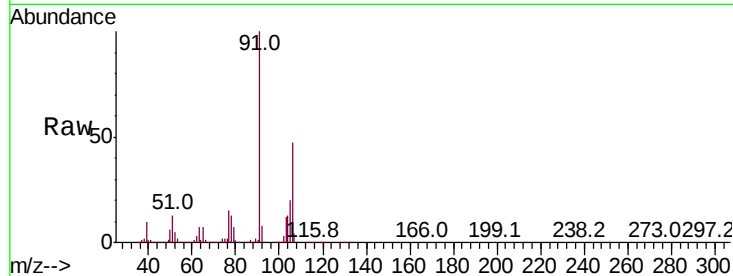




#69  
o-Xylene  
Concen: 18.099 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

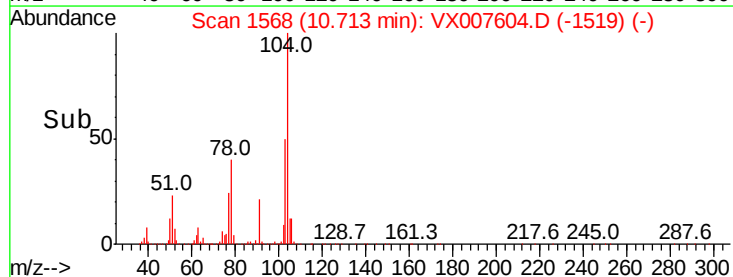
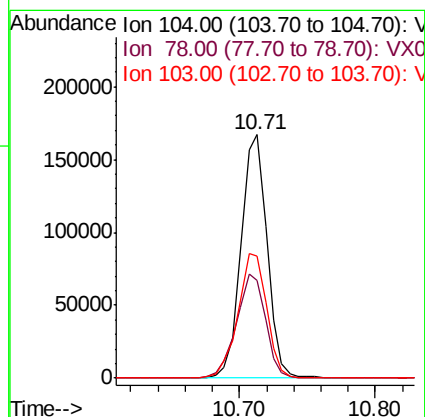
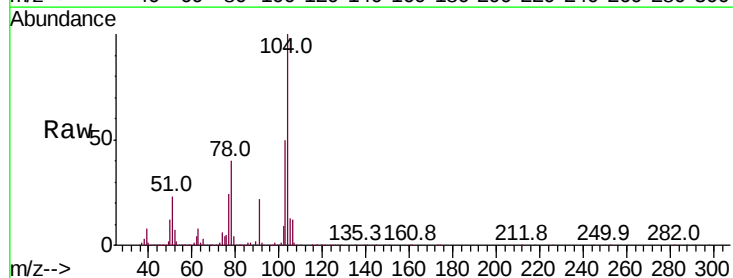
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0219WBS01

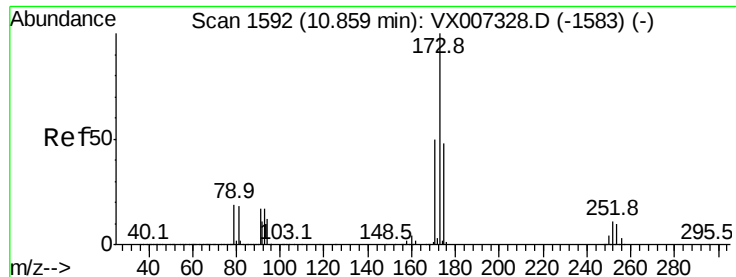
Tot Ion:106 Resp: 138727  
Ion Ratio Lower Upper  
106 100  
91 205.0 102.9 308.7



#70  
Styrene  
Concen: 17.944 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Tgt Ion:104 Resp: 223061  
Ion Ratio Lower Upper  
104 100  
78 47.8 38.3 57.5  
103 56.8 44.6 67.0





#71

Bromoform

Concen: 19.264 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

VX0219WBS01

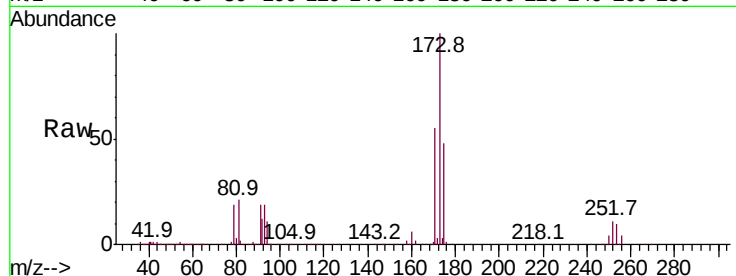
Tot Ion:173 Resp: 60630

Ion Ratio Lower Upper

173 100

175 47.6 24.2 72.6

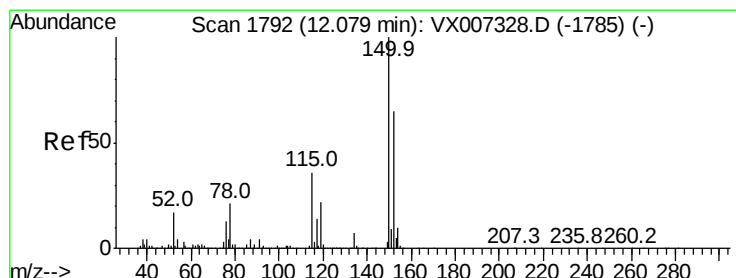
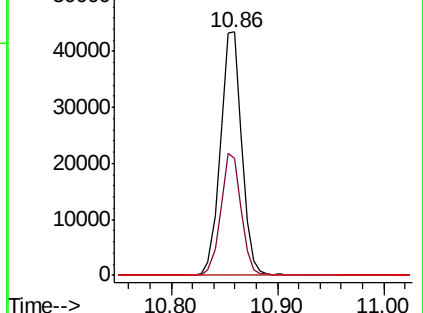
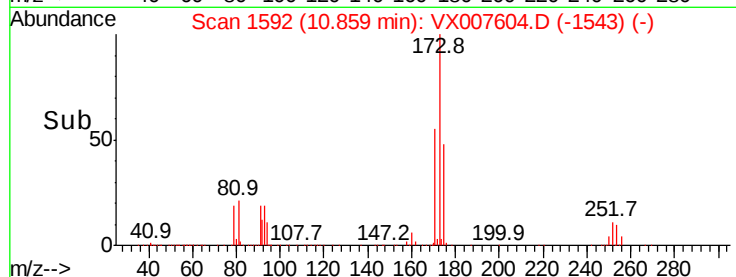
254 0.2 0.2 0.2



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: VX007604.D

Acq: 19 Feb 2019 11:10

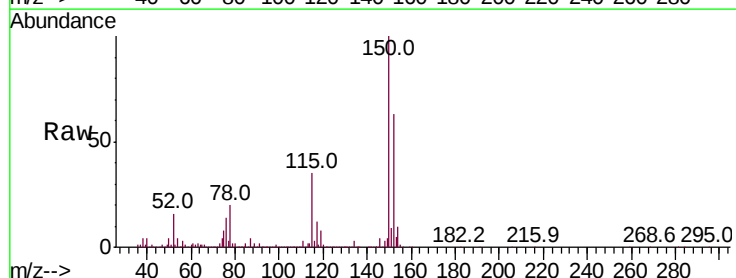
Tgt Ion:152 Resp: 287610

Ion Ratio Lower Upper

152 100

115 63.8 38.0 114.0

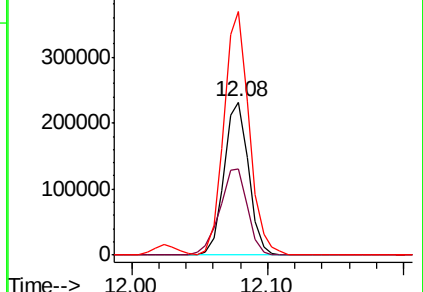
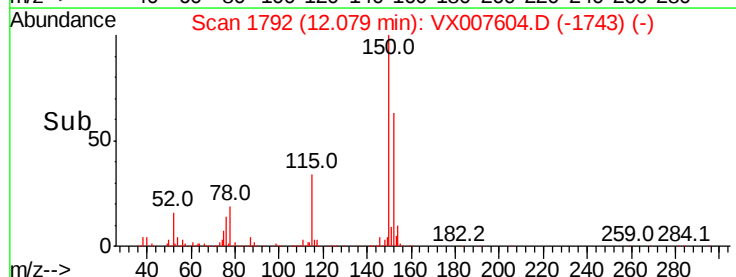
150 164.4 0.0 346.4

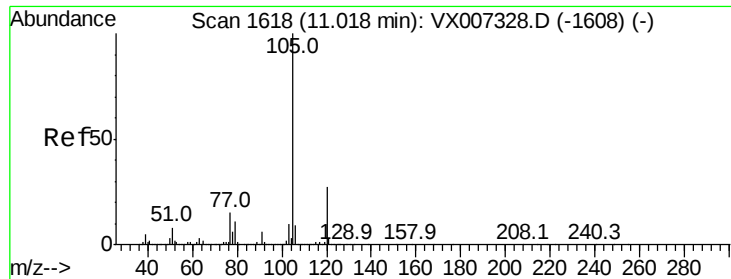


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.052 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

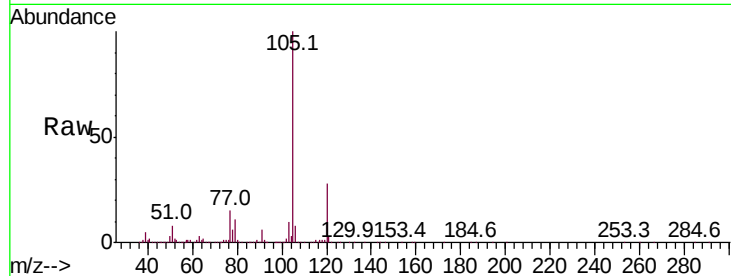
VX0219WBS01

Tot Ion:105 Resp: 372373

Ion Ratio Lower Upper

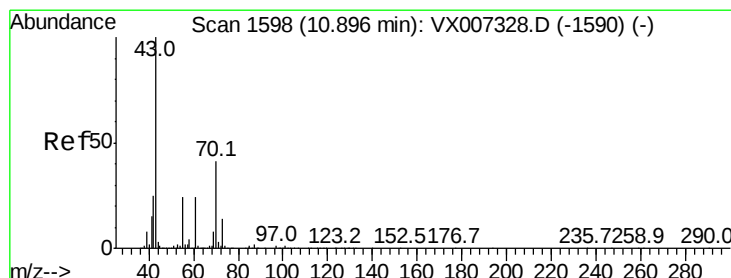
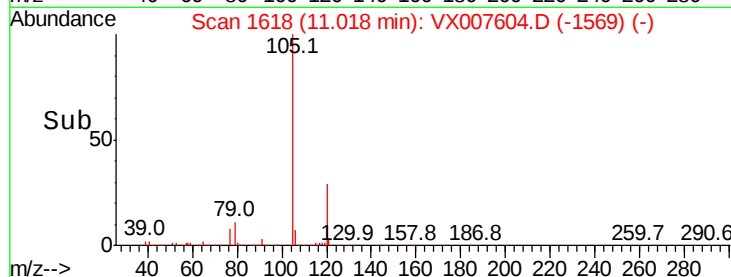
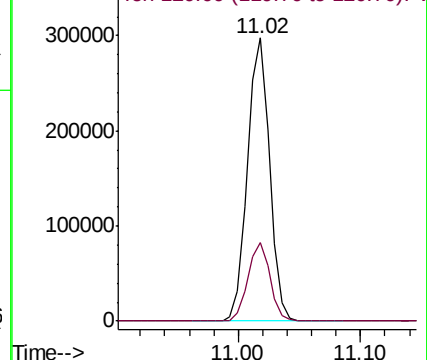
105 100

120 27.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.262 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Tgt Ion: 43 Resp: 145612

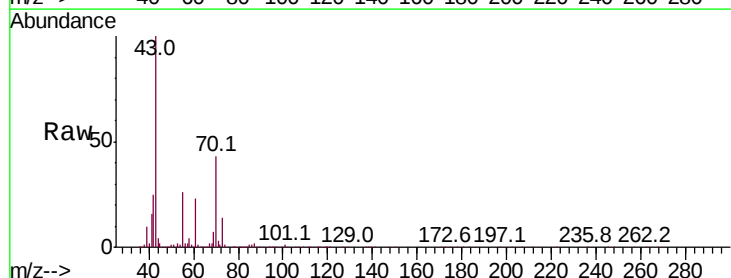
Ion Ratio Lower Upper

43 100

70 42.8 33.8 50.6

55 25.6 19.5 29.3

61 24.1 19.4 29.2

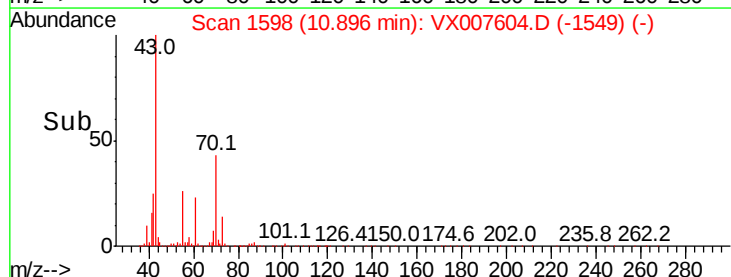
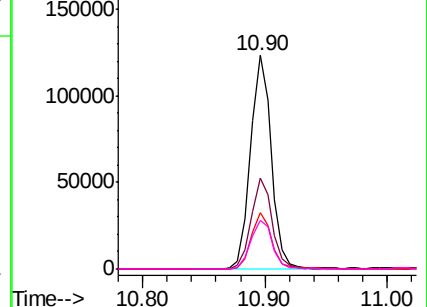


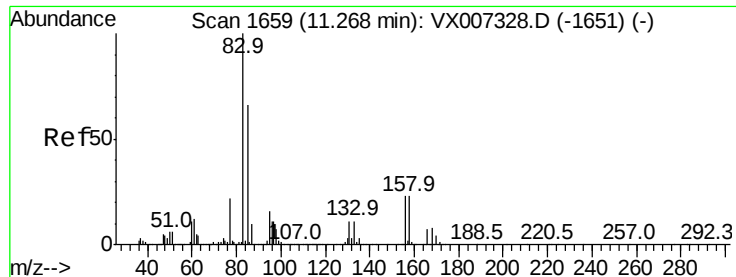
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.686 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

VX0219WBS01

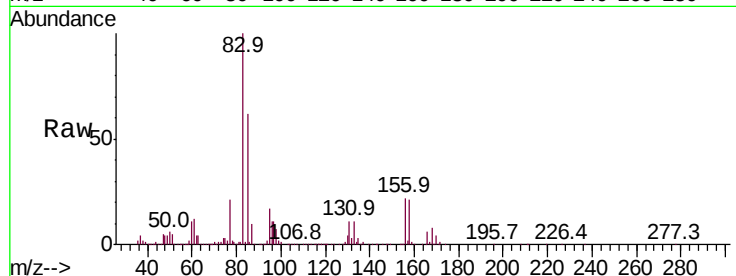
Tot Ion: 83 Resp: 123217

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 11.3  | 5.7   | 17.0  |
| 85  | 65.2  | 32.8  | 98.3  |

83 100

131 11.3 5.7 17.0

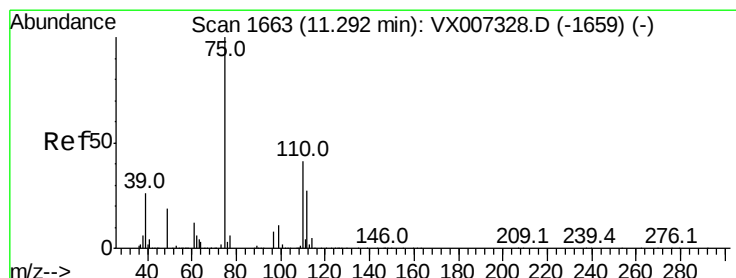
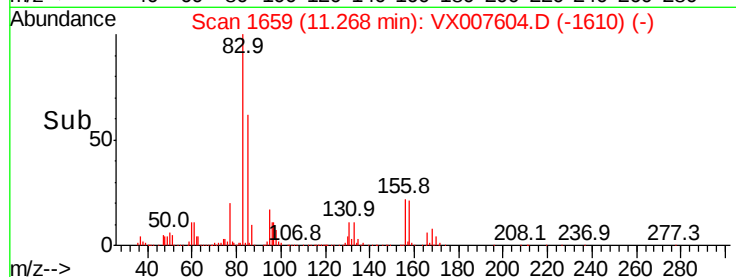
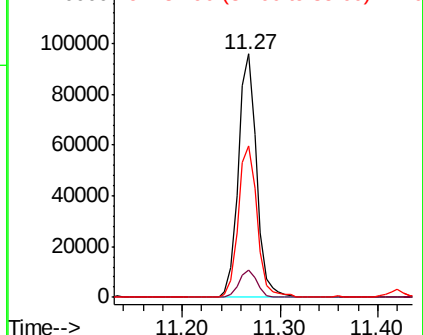
85 65.2 32.8 98.3



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: 24.265 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX007604.D

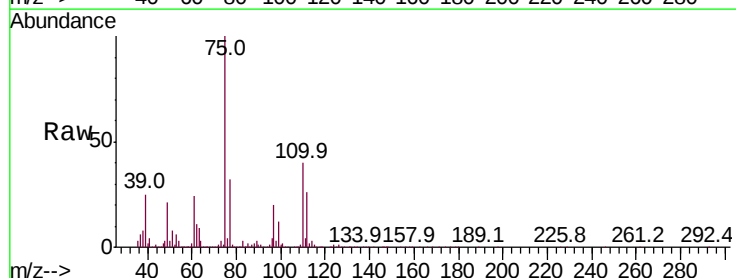
Acq: 19 Feb 2019 11:10

Tgt Ion: 75 Resp: 135745

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 33.1  | 23.0  | 69.0  |

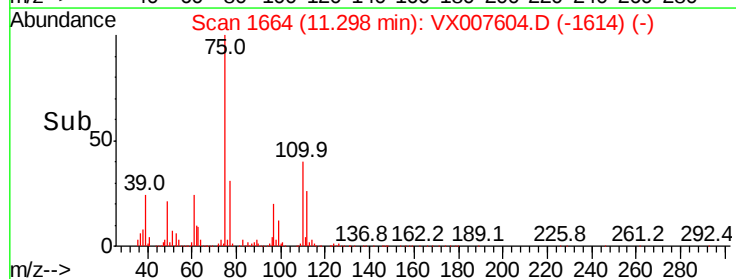
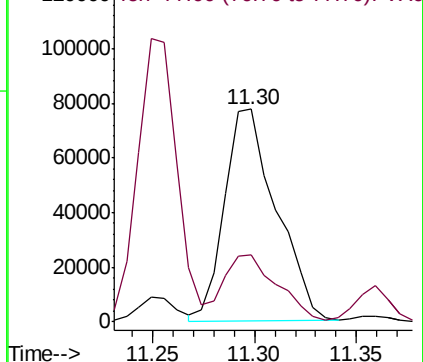
75 100

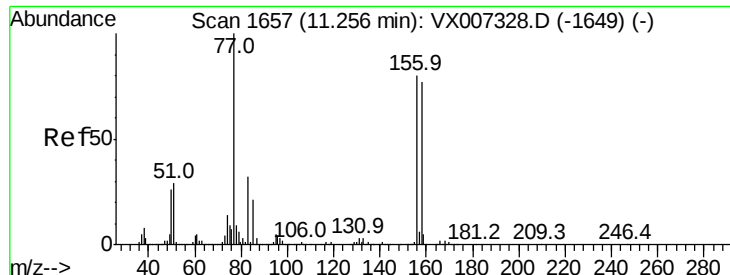
77 33.1 23.0 69.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.630 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampled :

VX0219WBS01

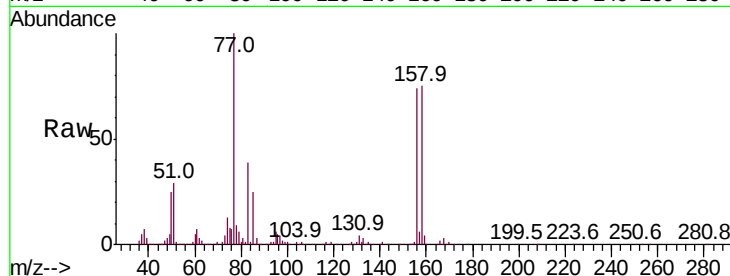
Tot Ion:156 Resp: 102593

Ion Ratio Lower Upper

156 100

77 134.8 66.8 200.6

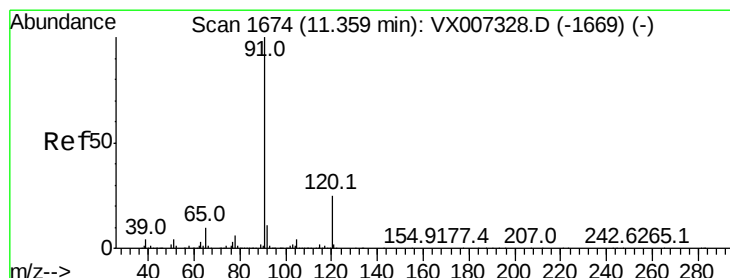
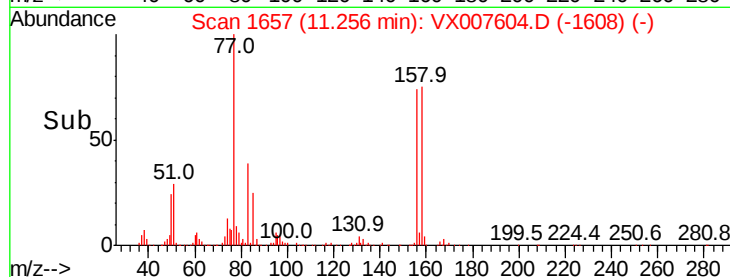
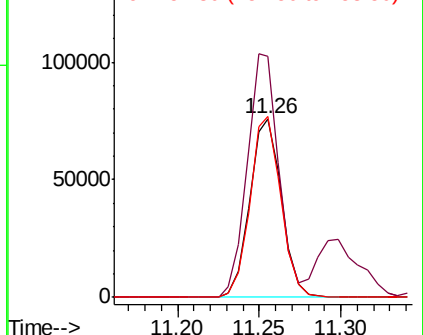
158 98.8 47.9 143.8



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: 19.096 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007604.D

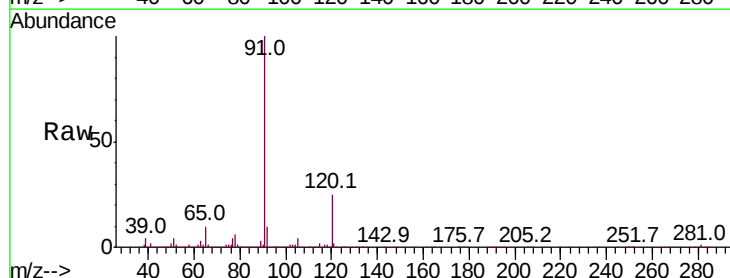
Acq: 19 Feb 2019 11:10

Tgt Ion: 91 Resp: 409265

Ion Ratio Lower Upper

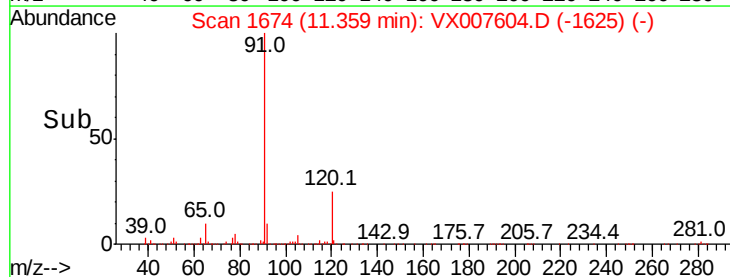
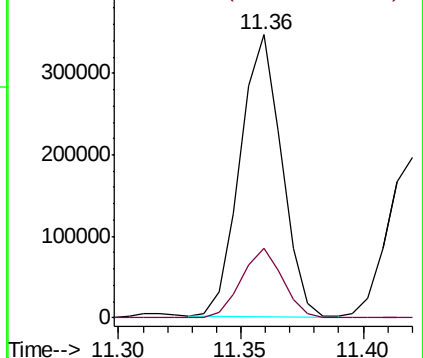
91 100

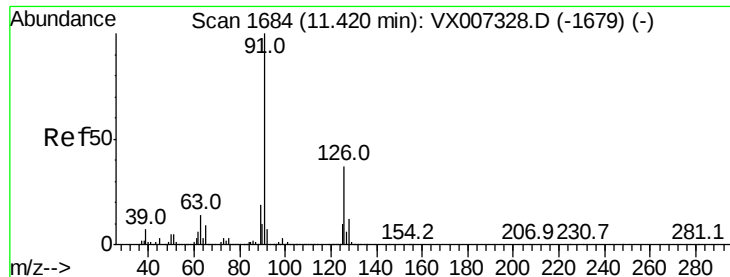
120 24.6 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.982 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

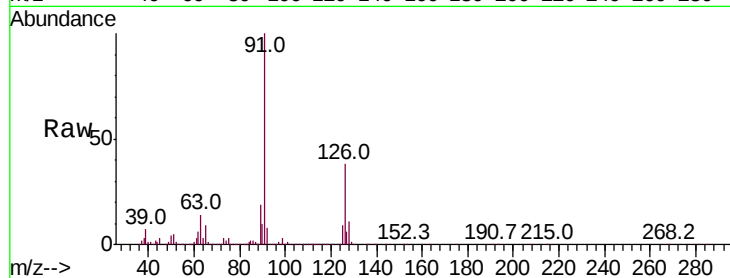
VX0219WBS01

Tot Ion: 91 Resp: 246851

Ion Ratio Lower Upper

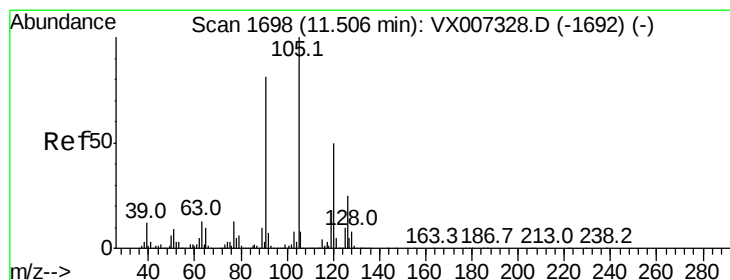
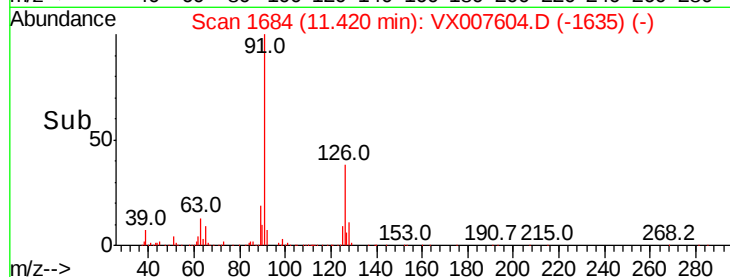
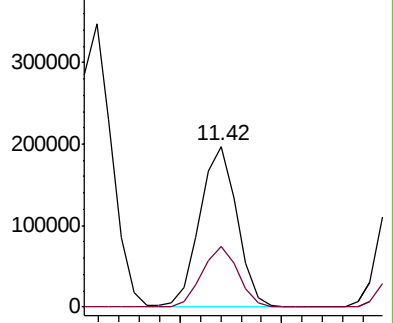
91 100

126 37.2 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VX007604.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007604.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.061 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007604.D

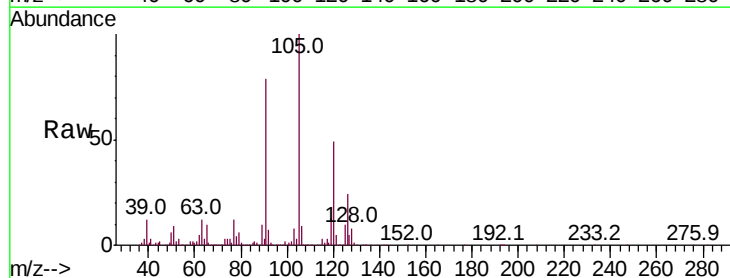
Acq: 19 Feb 2019 11:10

Tgt Ion: 105 Resp: 304784

Ion Ratio Lower Upper

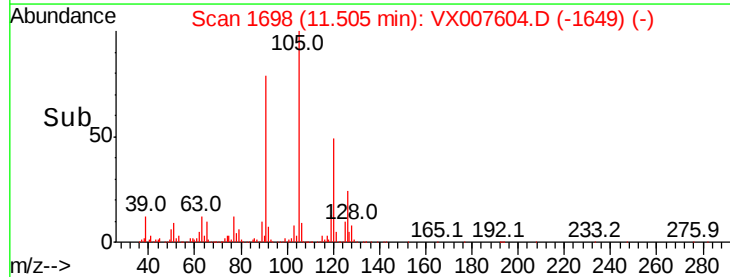
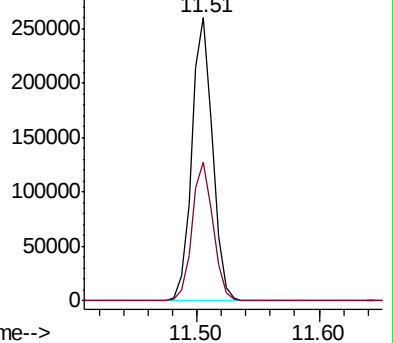
105 100

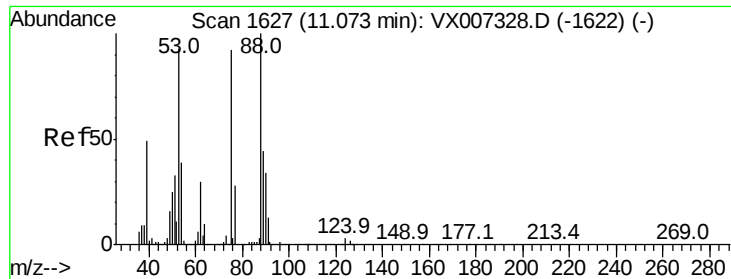
120 49.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX007604.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX007604.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.918 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampled :

VX0219WBS01

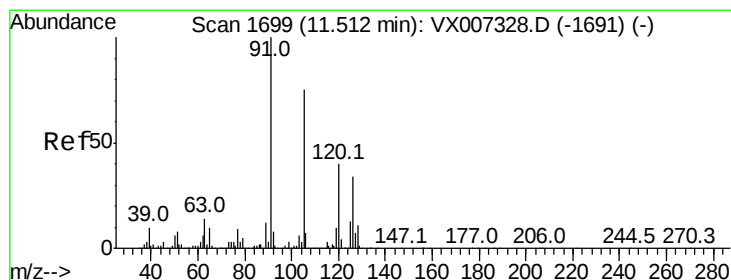
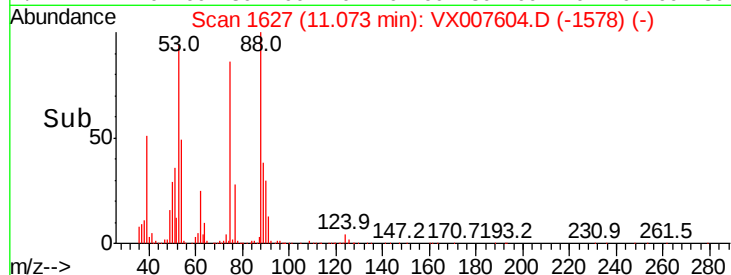
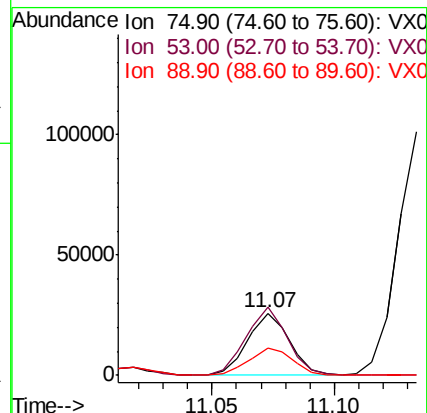
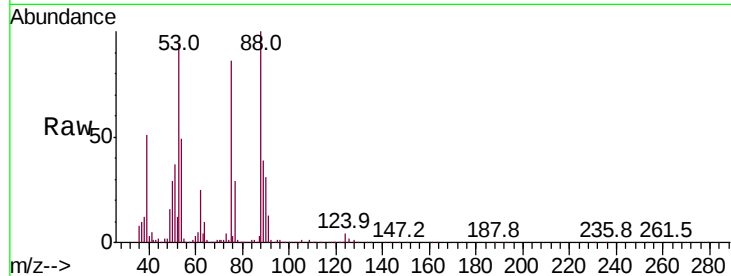
Tot Ion: 75 Resp: 31020

Ion Ratio Lower Upper

75 100

53 106.8 81.0 121.6

89 47.3 41.4 62.0



#82

4-Chlorotoluene

Concen: 18.660 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007604.D

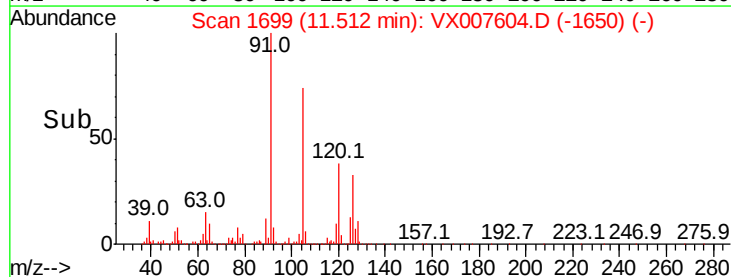
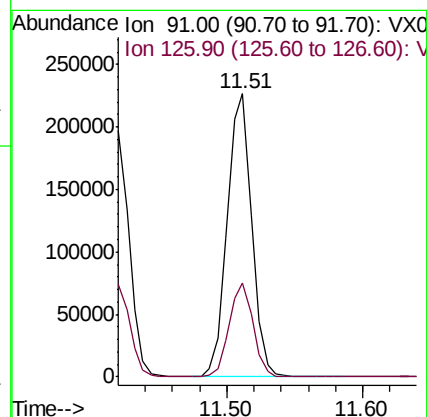
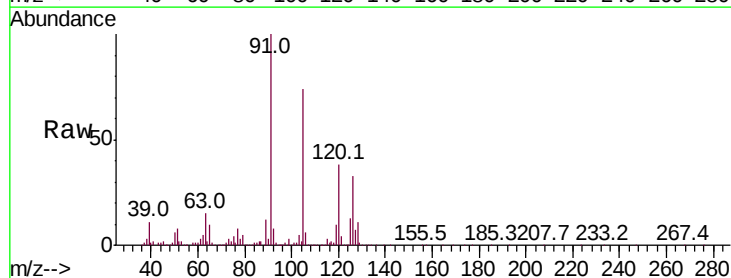
Acq: 19 Feb 2019 11:10

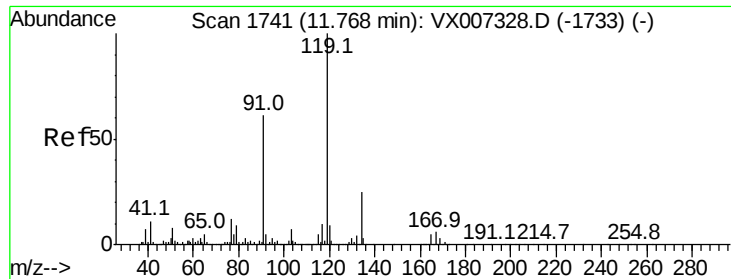
Tgt Ion: 91 Resp: 280794

Ion Ratio Lower Upper

91 100

126 32.4 16.2 48.5





#83

tert-Butylbenzene

Concen: 19.009 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

VX0219WBS01

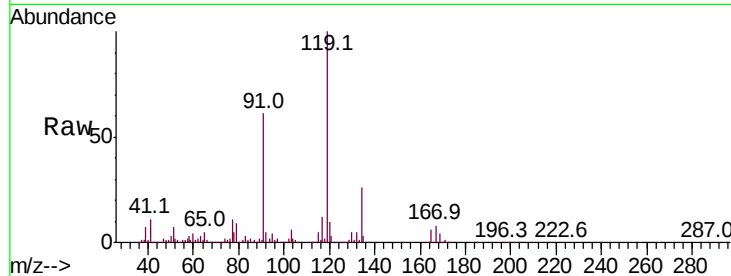
Tot Ion:119 Resp: 300934

Ion Ratio Lower Upper

119 100

91 56.6 28.5 85.6

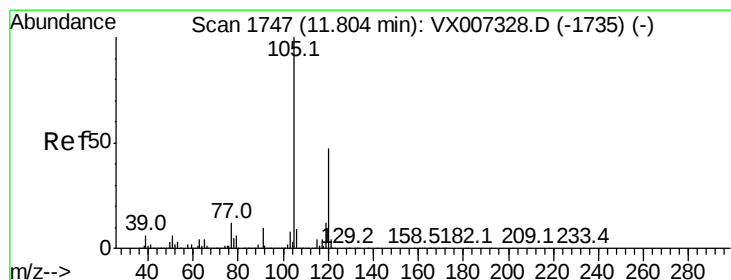
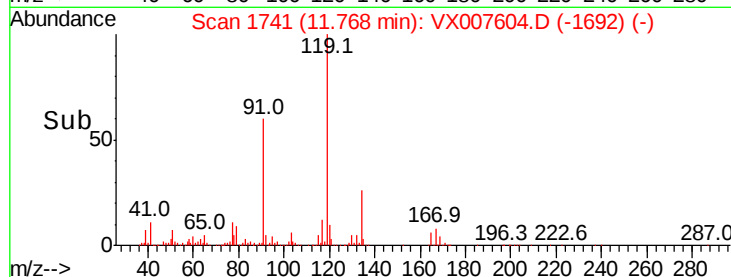
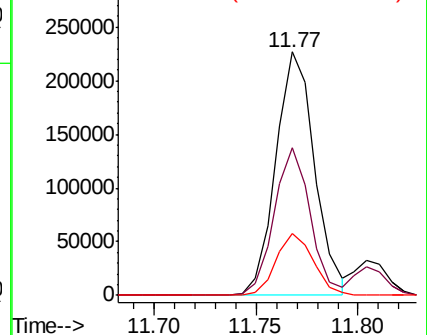
134 24.6 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.936 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007604.D

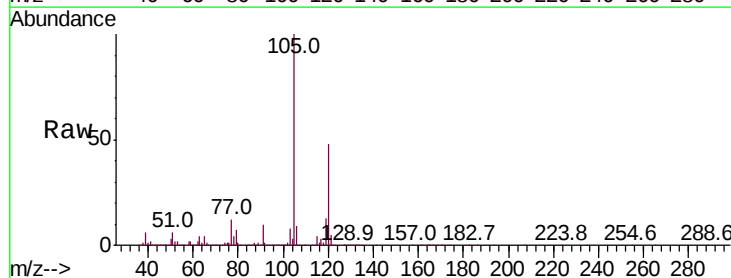
Acq: 19 Feb 2019 11:10

Tgt Ion:105 Resp: 307401

Ion Ratio Lower Upper

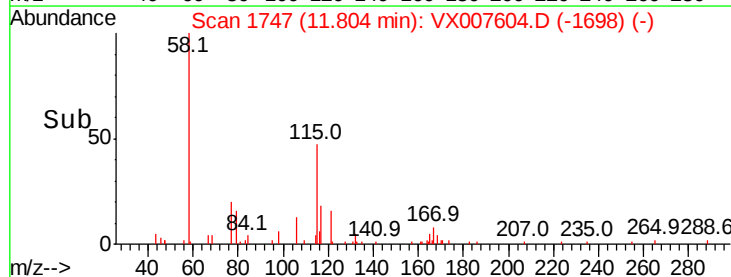
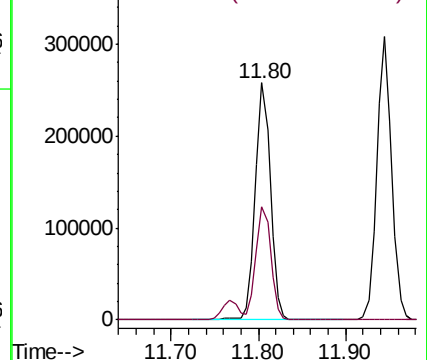
105 100

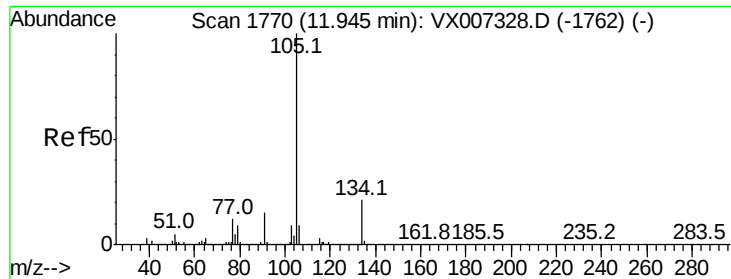
120 47.0 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.148 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

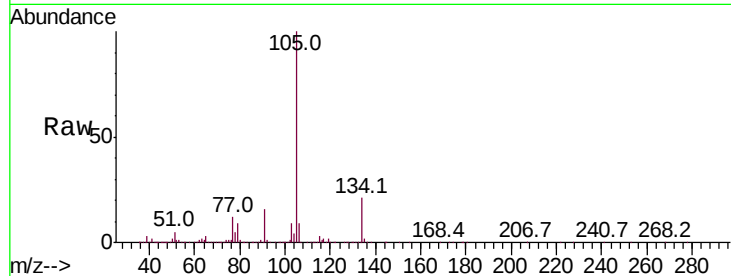
VX0219WBS01

Tot Ion:105 Resp: 366874

Ion Ratio Lower Upper

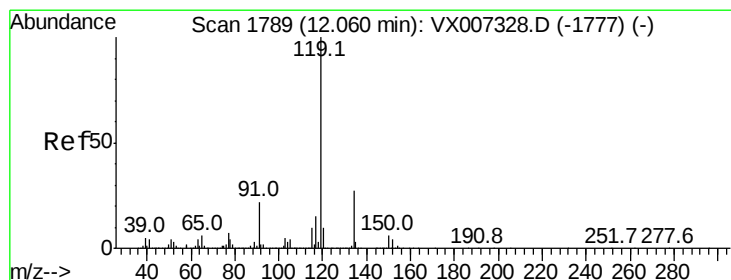
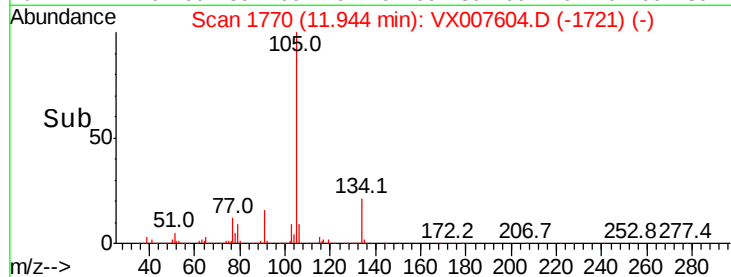
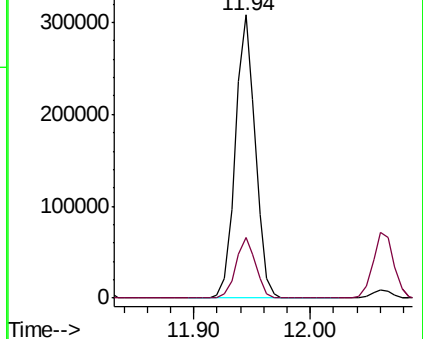
105 100

134 21.2 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.734 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

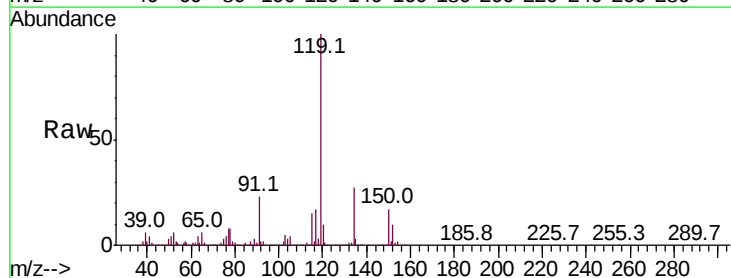
Tgt Ion:119 Resp: 324021

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

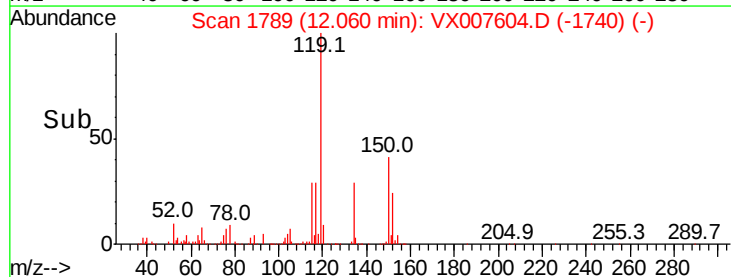
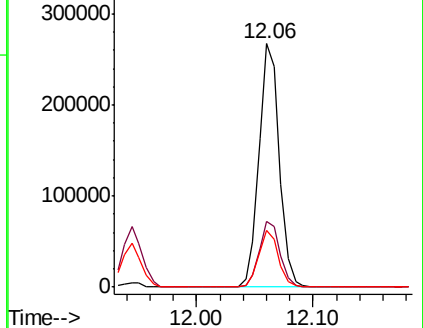
91 22.7 11.2 33.5

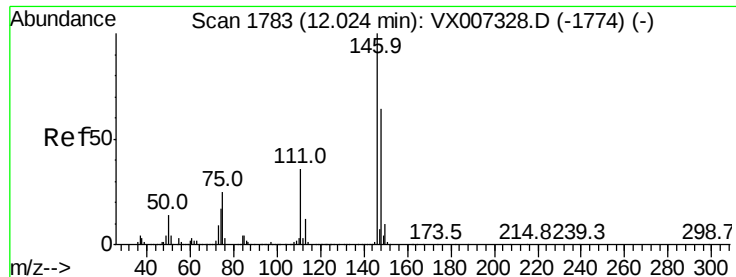


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

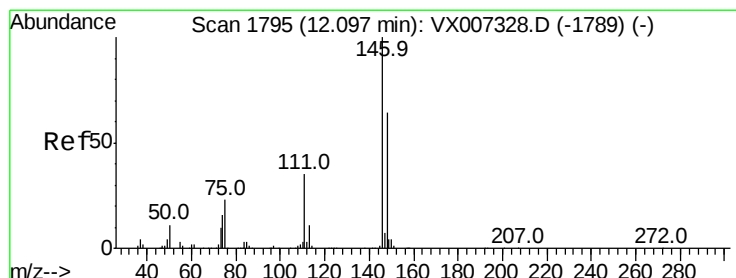
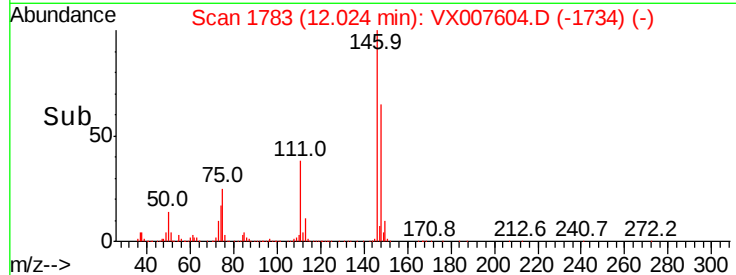
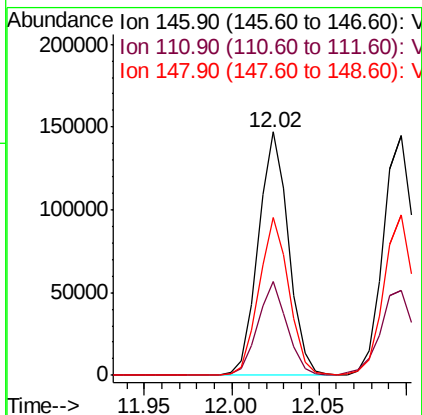
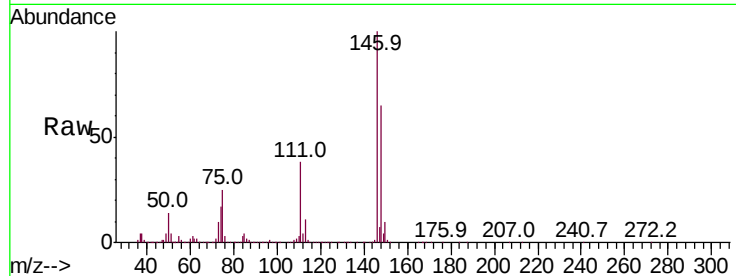




#87  
 1,3-Dichlorobenzene  
 Concen: 18.093 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.00 min  
 Lab File: VX007604.D  
 Acq: 19 Feb 2019 11:10

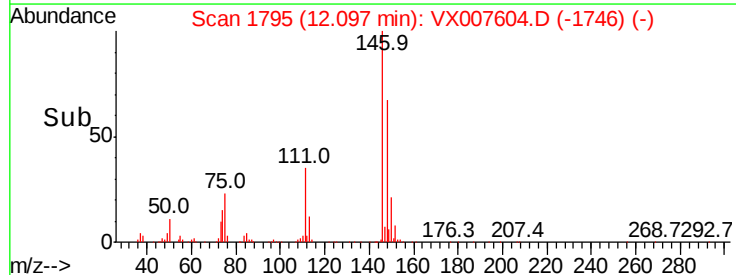
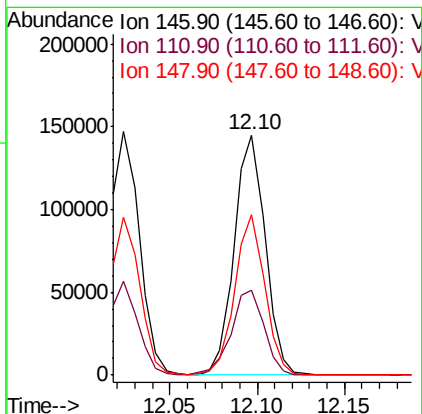
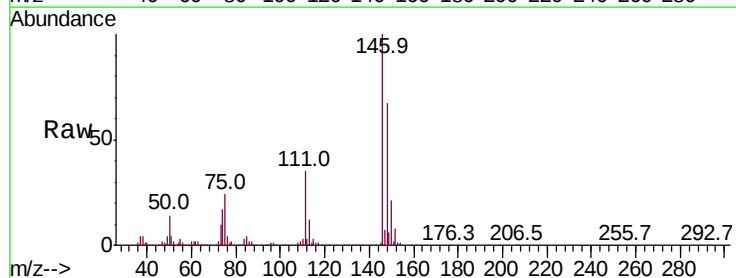
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0219WBS01

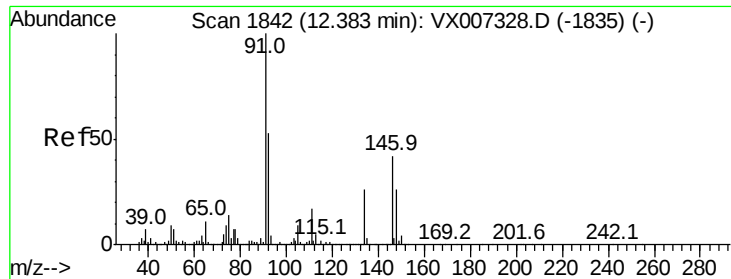
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.2  | 18.1  | 54.1  |
| 148     | 63.9  | 32.0  | 96.2  |



#88  
 1,4-Dichlorobenzene  
 Concen: 17.784 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX007604.D  
 Acq: 19 Feb 2019 11:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 18.1  | 54.1  |
| 148     | 65.0  | 32.3  | 96.9  |

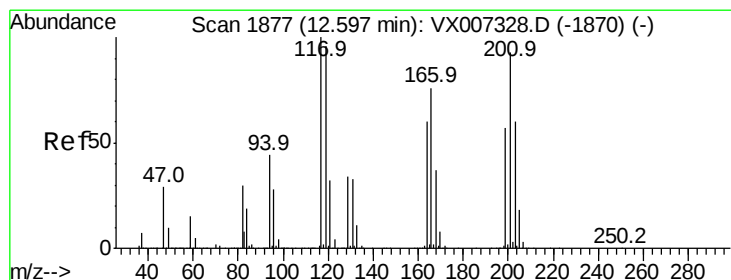
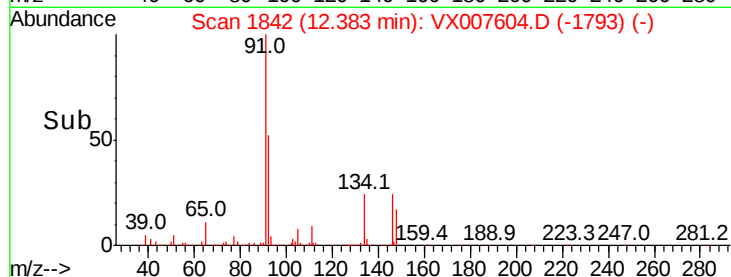
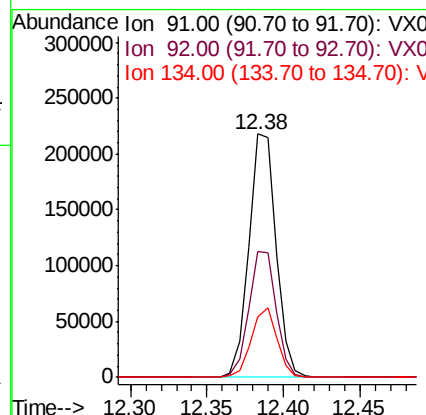
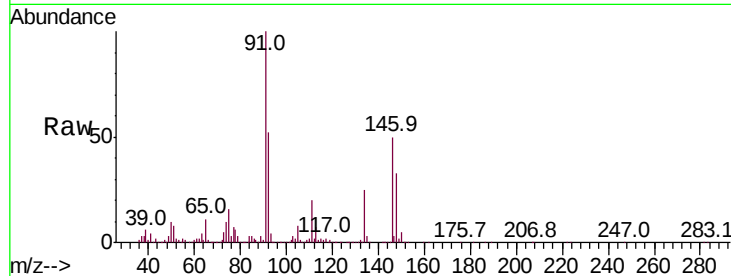




#89  
n-Butylbenzene  
Concen: 18.043 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

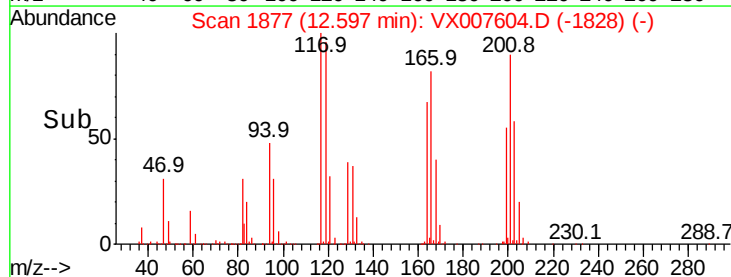
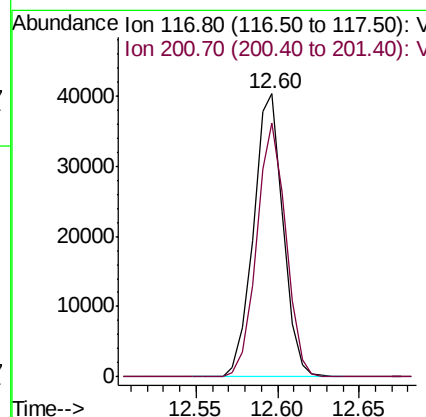
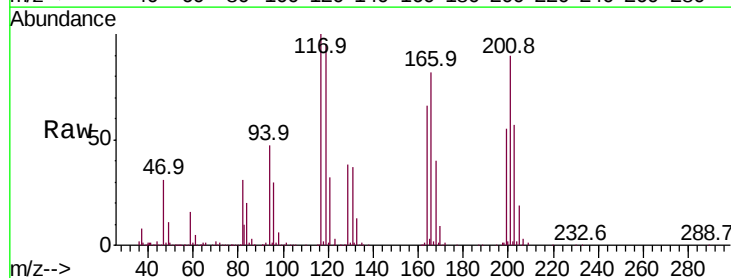
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0219WBS01

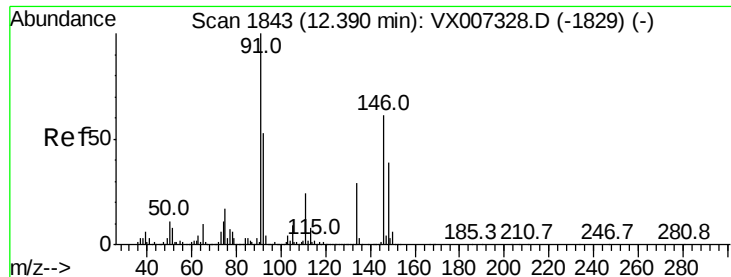
Tot Ion: 91 Resp: 268462  
Ion Ratio Lower Upper  
91 100  
92 52.0 26.3 78.9  
134 27.2 13.9 41.6



#90  
Hexachloroethane  
Concen: 19.739 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Tgt Ion: 117 Resp: 51096  
Ion Ratio Lower Upper  
117 100  
201 88.0 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 18.397 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

Instrument :

MSVOA\_X

ClientSampleId :

VX0219WBS01

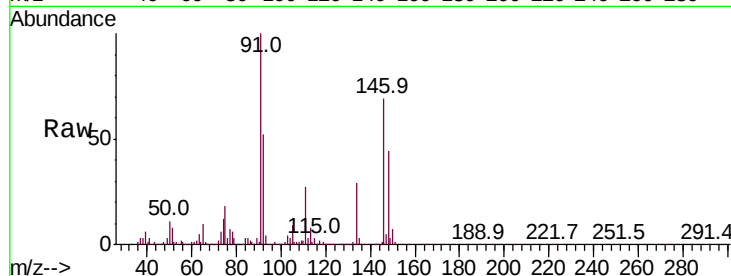
Tot Ion:146 Resp: 180945

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.3

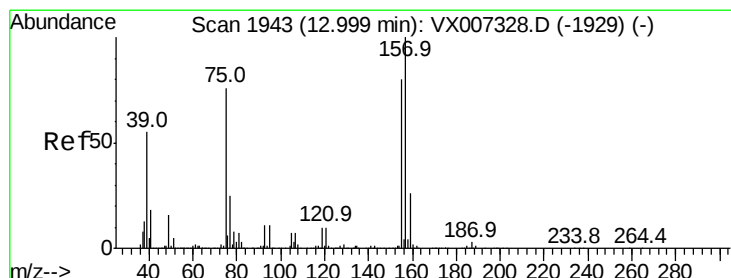
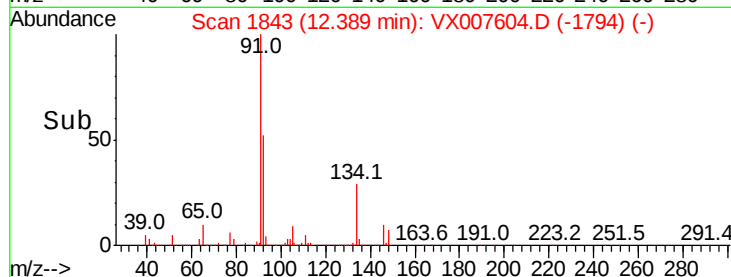
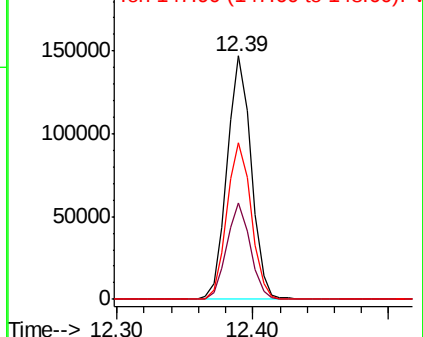
148 64.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.204 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007604.D

Acq: 19 Feb 2019 11:10

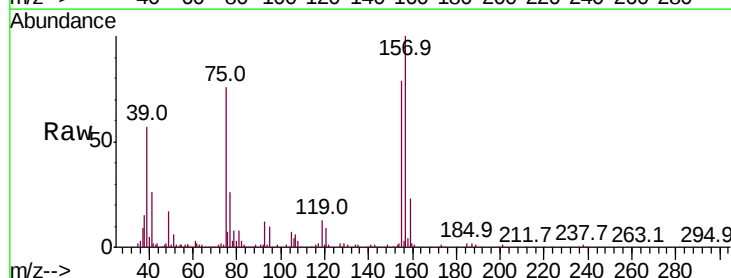
Tgt Ion: 75 Resp: 23785

Ion Ratio Lower Upper

75 100

155 105.6 49.6 149.0

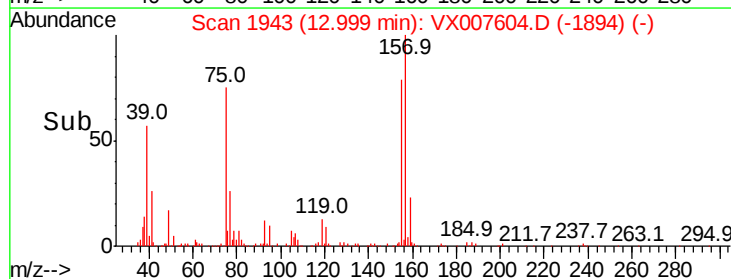
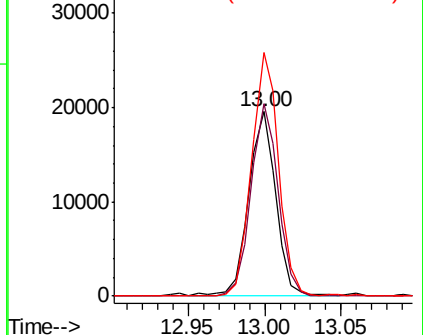
157 132.9 65.1 195.3

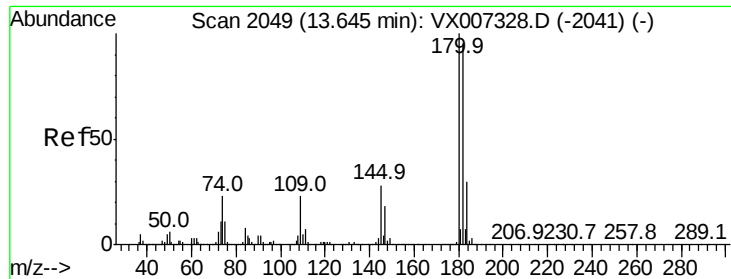


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

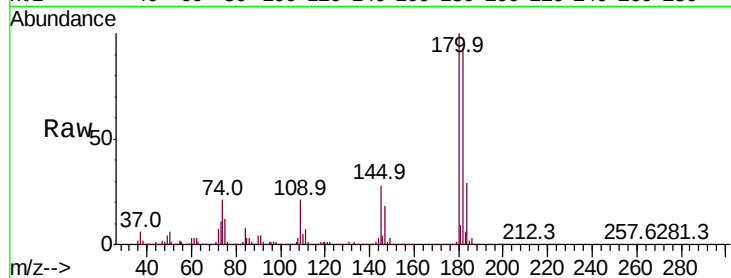




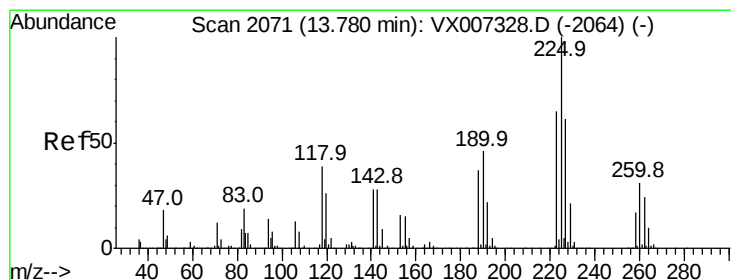
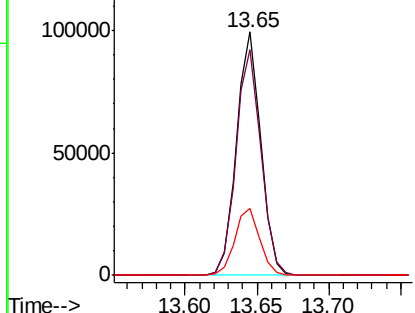
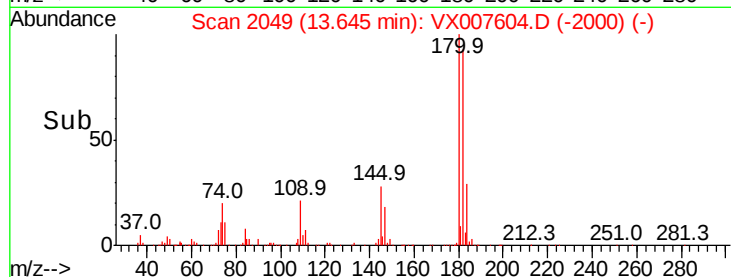
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.656 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX007604.D  
 Acq: 19 Feb 2019 11:10

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX0219WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.4  | 47.8  | 143.3 |
| 145     | 28.4  | 14.1  | 42.2  |

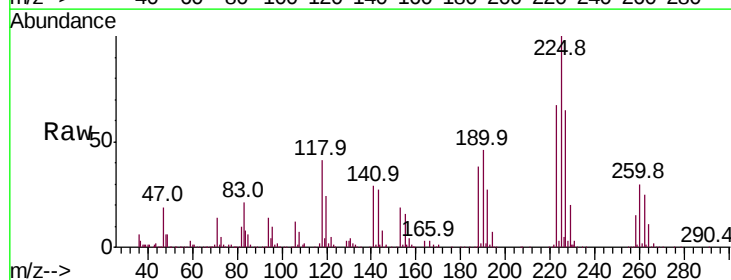


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

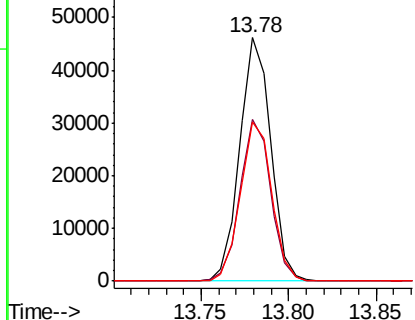
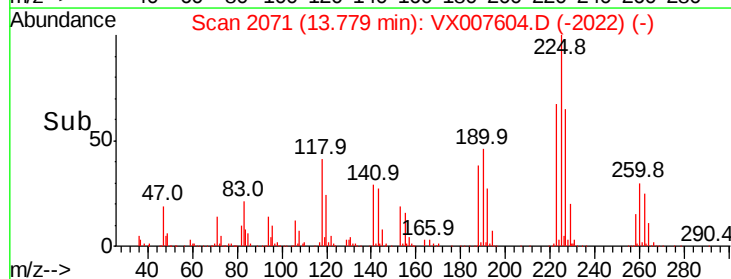


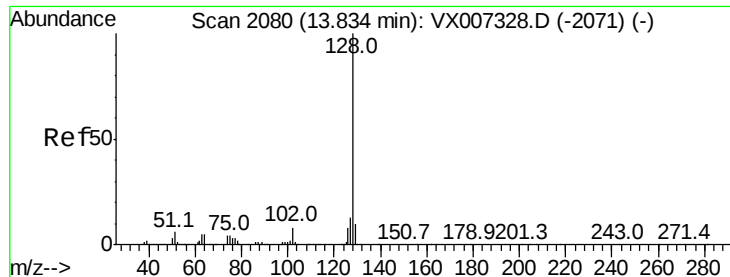
#94  
 Hexachlorobutadiene  
 Concen: 17.718 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. -0.00 min  
 Lab File: VX007604.D  
 Acq: 19 Feb 2019 11:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.8  | 31.6  | 94.8  |
| 227     | 65.8  | 32.1  | 96.3  |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V

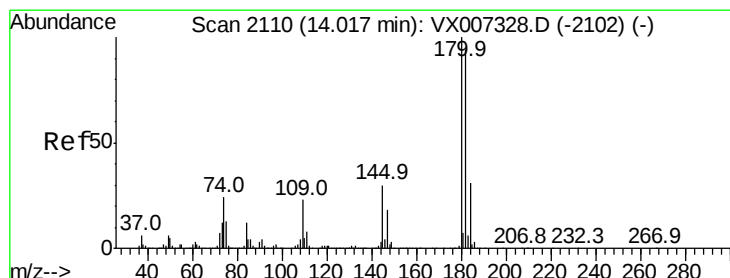
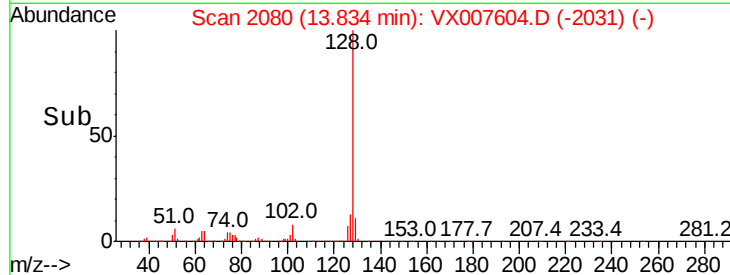
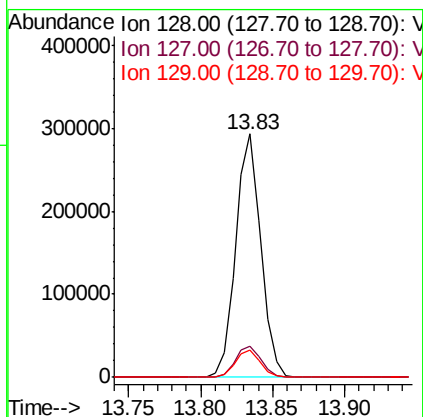
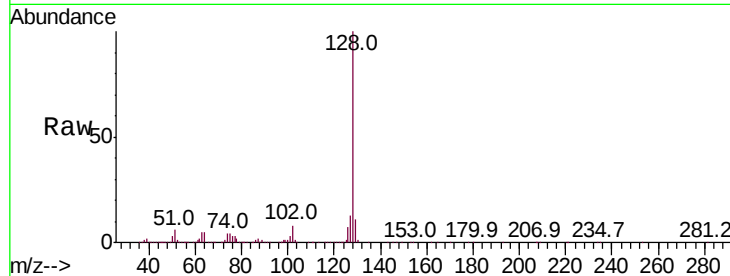




#95  
Naphthalene  
Concen: 18.386 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0219WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.5  | 15.7  |
| 129     | 11.1  | 8.7   | 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 18.051 ug/l  
RT: 14.02 min Scan# 2110  
Delta R.T. -0.00 min  
Lab File: VX007604.D  
Acq: 19 Feb 2019 11:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 47.5  | 142.6 |
| 145     | 30.2  | 14.9  | 44.5  |

