

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX060719\  
 Data File : VX010103.D  
 Acq On : 07 Jun 2019 12:18  
 Operator : JC/SP  
 Sample : VSTDIC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

Quant Time: Jun 07 13:05:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 07 13:02:35 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 318411   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 481192   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 426695   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 216290   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65  | 62572    | 20.80 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 41.60% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 60609    | 20.82 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 41.64% |      |
| 50) Toluene-d8              | 8.71   | 98  | 225087   | 20.34 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 40.68% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 84300    | 20.35 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 40.70% |      |

| Target Compounds              |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 63050  | 19.943  | ug/l   | 100    |
| 3) Chloromethane              | 1.33 | 50  | 56920  | 19.669  | ug/l   | 100    |
| 4) Vinyl Chloride             | 1.41 | 62  | 52667  | 19.364  | ug/l   | 99     |
| 5) Bromomethane               | 1.64 | 94  | 24549  | 24.190  | ug/l   | 97     |
| 6) Chloroethane               | 1.72 | 64  | 29326  | 19.311  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 78891  | 19.829  | ug/l   | 97     |
| 8) Diethyl Ether              | 2.19 | 74  | 26537  | 20.094  | ug/l   | 76     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 54179  | 20.206  | ug/l   | 92     |
| 10) Methyl Iodide             | 2.51 | 142 | 83984  | 18.987  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 3.04 | 59  | 76667  | 101.904 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 54364  | 19.663  | ug/l # | 78     |
| 13) Acrolein                  | 2.29 | 56  | 13287  | 87.843  | ug/l   | 94     |
| 14) Allyl chloride            | 2.73 | 41  | 81544  | 19.664  | ug/l # | 87     |
| 15) Acrylonitrile             | 3.14 | 53  | 151049 | 99.005  | ug/l   | 99     |
| 16) Acetone                   | 2.44 | 43  | 143019 | 101.756 | ug/l # | 89     |
| 17) Carbon Disulfide          | 2.57 | 76  | 154801 | 19.887  | ug/l   | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 60398  | 19.984  | ug/l # | 82     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 173422 | 19.604  | ug/l   | 92     |
| 20) Methylene Chloride        | 2.85 | 84  | 60599  | 19.915  | ug/l # | 76     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 58218  | 19.482  | ug/l # | 78     |
| 22) Diisopropyl ether         | 3.85 | 45  | 158919 | 19.533  | ug/l # | 94     |
| 23) Vinyl Acetate             | 3.82 | 43  | 722240 | 98.499  | ug/l # | 86     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 94564  | 19.757  | ug/l   | 96     |
| 25) 2-Butanone                | 4.67 | 43  | 215979 | 100.412 | ug/l # | 79     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 86751  | 19.690  | ug/l   | 94     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 67660  | 19.847  | ug/l   | 81     |
| 28) Bromochloromethane        | 5.02 | 49  | 39082  | 18.073  | ug/l # | 51     |
| 29) Tetrahydrofuran           | 5.13 | 42  | 133257 | 100.267 | ug/l # | 75     |
| 30) Chloroform                | 5.21 | 83  | 99904  | 19.713  | ug/l   | 98     |
| 31) Cyclohexane               | 5.58 | 56  | 89027  | 19.929  | ug/l # | 77     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 92420  | 20.007  | ug/l   | 94     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 74417  | 19.798  | ug/l   | 92     |
| 37) Ethyl Acetate             | 4.84 | 43  | 77168  | 19.502  | ug/l # | 89     |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 83502  | 19.610  | ug/l   | 98     |

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 Sample : VSTDIC020  
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

Quant Time: Jun 07 13:05:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 07 13:02:35 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 101952   | 20.037  | ug/l # | 81       |
| 40) Benzene                    | 6.14  | 78   | 233761   | 19.764  | ug/l   | 97       |
| 41) Methacrylonitrile          | 5.04  | 41   | 42552    | 19.687  | ug/l # | 84       |
| 42) 1,2-Dichloroethane         | 6.19  | 62   | 73264    | 19.489  | ug/l   | 94       |
| 43) Isopropyl Acetate          | 6.45  | 43   | 130269   | 19.760  | ug/l # | 89       |
| 44) Trichloroethene            | 7.21  | 130  | 69062    | 19.790  | ug/l   | 86       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 57764    | 19.537  | ug/l   | 99       |
| 46) Dibromomethane             | 7.66  | 93   | 42570    | 19.995  | ug/l   | 93       |
| 47) Bromodichloromethane       | 7.90  | 83   | 81346    | 19.592  | ug/l   | 97       |
| 48) Methyl methacrylate        | 7.77  | 41   | 62057    | 19.423  | ug/l # | 78       |
| 49) 1,4-Dioxane                | 7.74  | 88   | 36606    | 416.618 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 407689   | 99.003  | ug/l   | 89       |
| 52) Toluene                    | 8.78  | 92   | 150697   | 19.656  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 92835    | 19.251  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 99744    | 19.503  | ug/l   | 89       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 62632    | 19.517  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 100095   | 19.470  | ug/l # | 81       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 97545    | 19.579  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 237535   | 96.805  | ug/l # | 84       |
| 59) 2-Hexanone                 | 9.49  | 43   | 330161   | 101.322 | ug/l   | 88       |
| 60) Dibromochloromethane       | 9.58  | 129  | 73466    | 19.358  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 68702    | 19.516  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 59642    | 20.090  | ug/l   | 98       |
| 65) Chlorobenzene              | 10.14 | 112  | 169769   | 19.968  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 65650    | 20.039  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 291753   | 20.131  | ug/l   | 95       |
| 68) m/p-Xylenes                | 10.36 | 106  | 227909   | 40.633  | ug/l   | 90       |
| 69) o-Xylene                   | 10.69 | 106  | 111882   | 20.284  | ug/l   | 90       |
| 70) Styrene                    | 10.71 | 104  | 188363   | 19.649  | ug/l   | 96       |
| 71) Bromoform                  | 10.85 | 173  | 60305    | 19.840  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 293591   | 20.063  | ug/l   | 96       |
| 74) N-amyl acetate             | 10.90 | 43   | 114783   | 19.658  | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 100889   | 20.365  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 116120   | 28.068  | ug/l   | 82       |
| 77) Bromobenzene               | 11.26 | 156  | 78822    | 19.692  | ug/l   | 83       |
| 78) n-propylbenzene            | 11.36 | 91   | 320177   | 19.479  | ug/l   | 95       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 190866   | 19.525  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 243473   | 19.886  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 37799    | 19.597  | ug/l # | 83       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 219353   | 19.405  | ug/l   | 92       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 246805   | 19.930  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 245339   | 19.770  | ug/l   | 95       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 284426   | 19.636  | ug/l   | 96       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 263480   | 19.769  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 137353   | 19.420  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 138748   | 19.917  | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.38 | 91   | 225719   | 19.546  | ug/l   | 97       |
| 90) Hexachloroethane           | 12.59 | 117  | 51138    | 19.432  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 137225   | 20.039  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 23667    | 20.812  | ug/l   | 71       |

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Operator : JC/SP  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

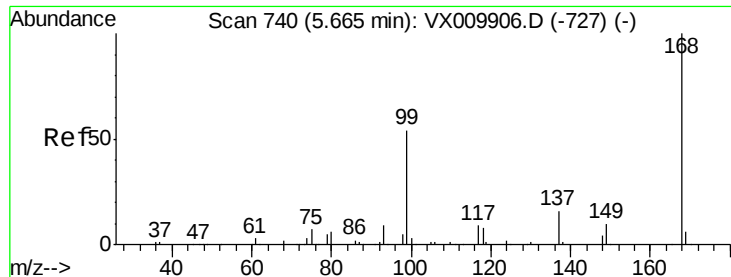
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Quant Time: Jun 07 13:05:24 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 07 13:02:35 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 96647    | 19.777 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 42917    | 19.745 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 313108   | 19.864 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 96561    | 19.937 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

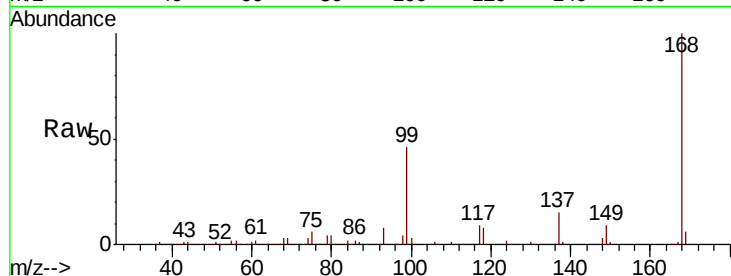
VSTDIC020

Tgt Ion:168 Resp: 318411

Ion Ratio Lower Upper

168 100

99 46.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

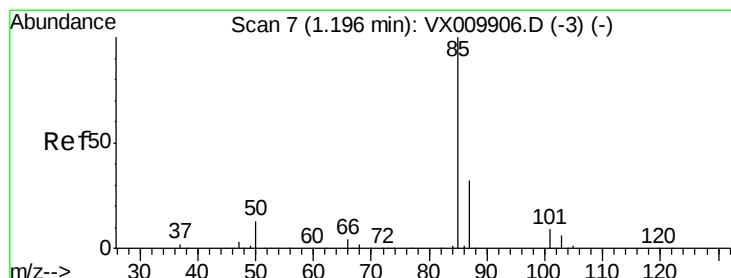
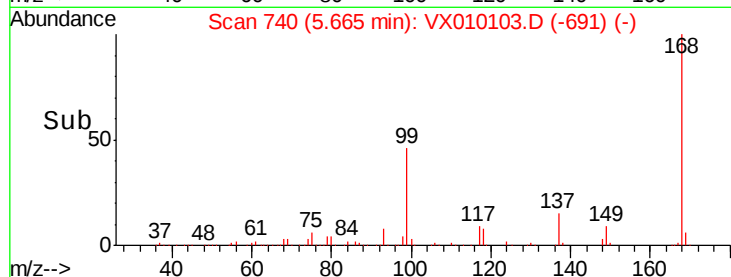
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.943 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010103.D

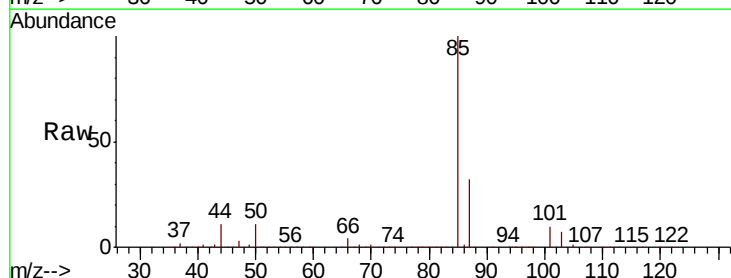
Acq: 07 Jun 2019 12:18

Tgt Ion: 85 Resp: 63050

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

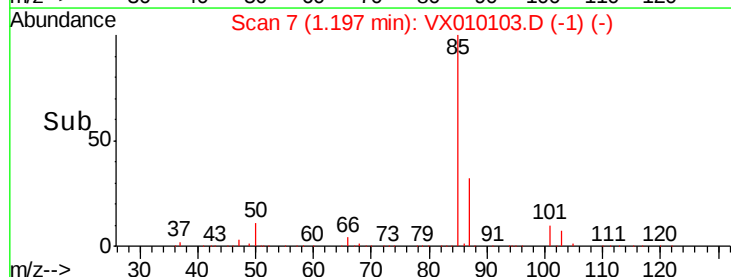
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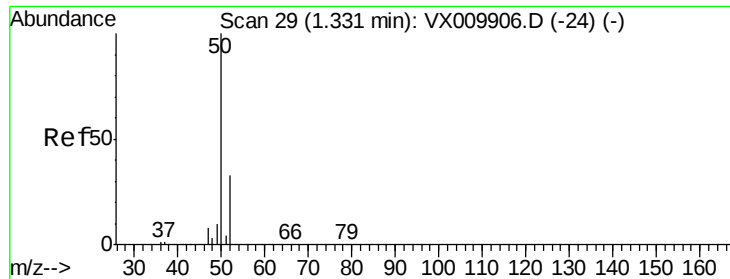
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20000

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Time-->





#3

Chloromethane

Concen: 19.669 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

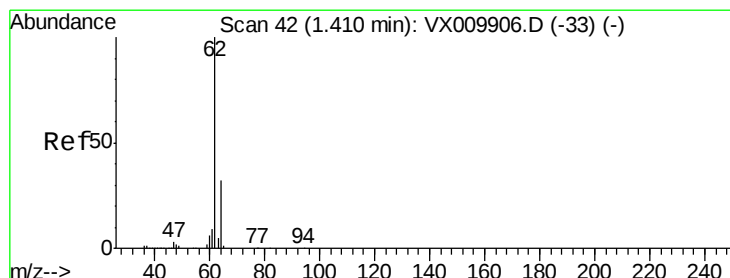
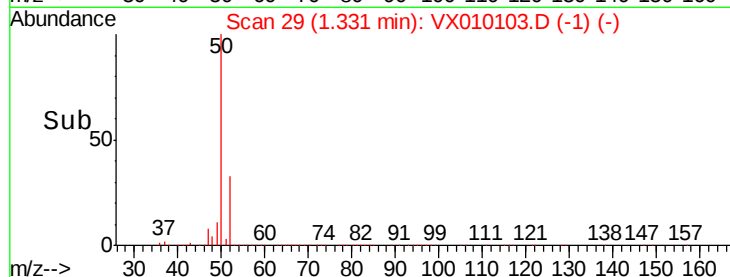
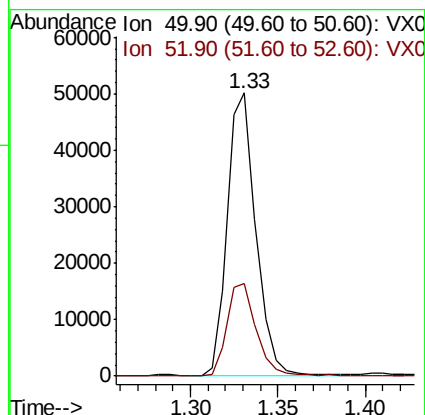
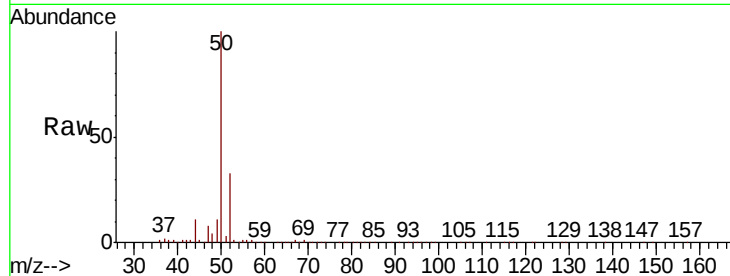
VSTDIC020

Tgt Ion: 50 Resp: 56920

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



#4

Vinyl Chloride

Concen: 19.364 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010103.D

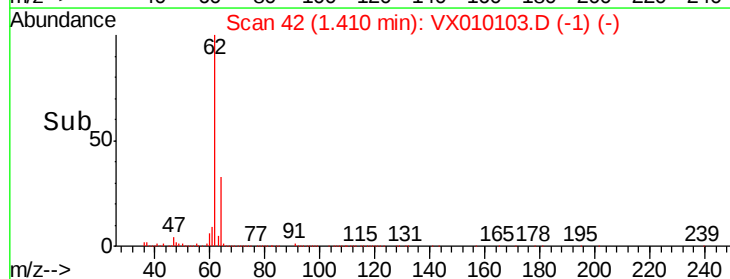
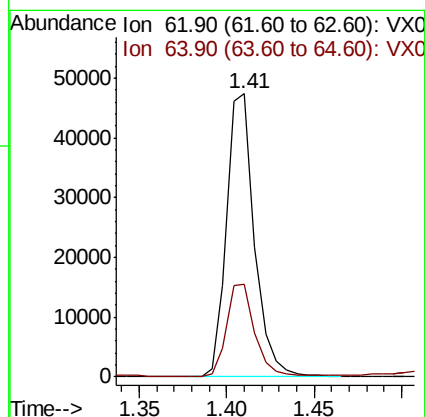
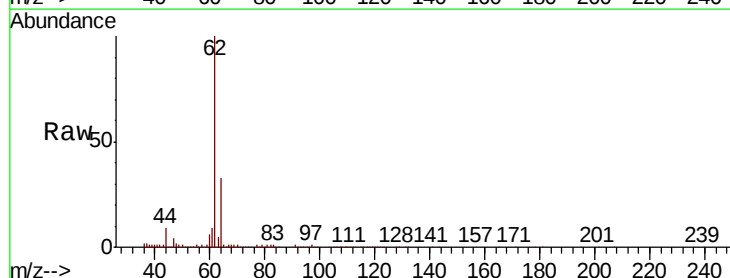
Acq: 07 Jun 2019 12:18

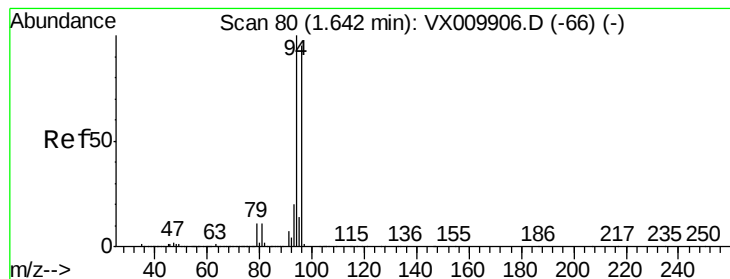
Tgt Ion: 62 Resp: 52667

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5





#5

Bromomethane

Concen: 24.190 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

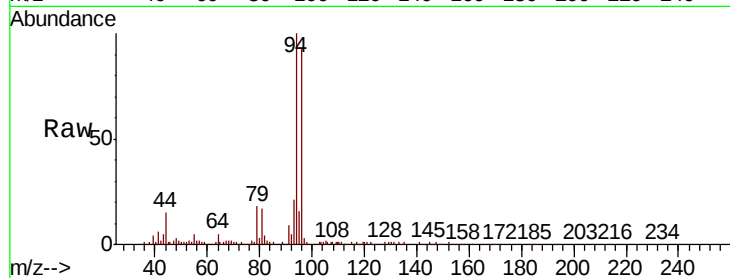
VSTDIC020

Tgt Ion: 94 Resp: 24549

Ion Ratio Lower Upper

94 100

96 92.1 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

20000

15000

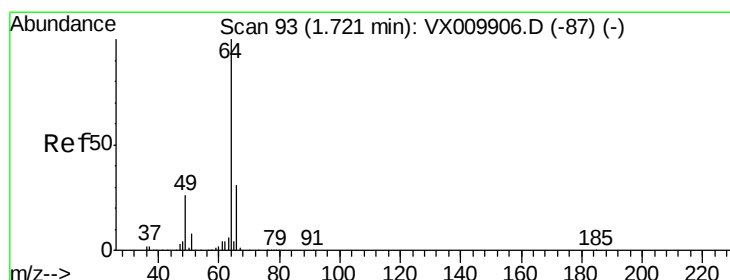
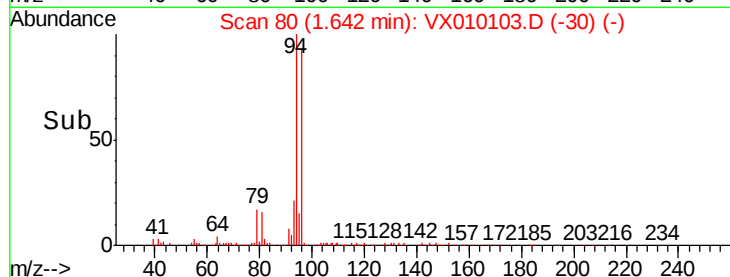
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 19.311 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010103.D

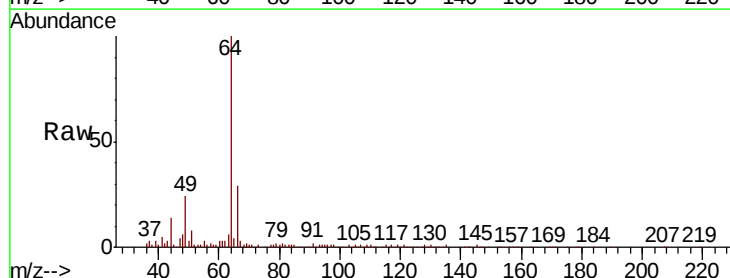
Acq: 07 Jun 2019 12:18

Tgt Ion: 64 Resp: 29326

Ion Ratio Lower Upper

64 100

66 30.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

25000

20000

15000

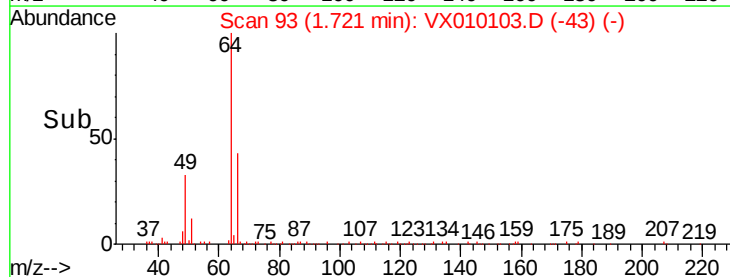
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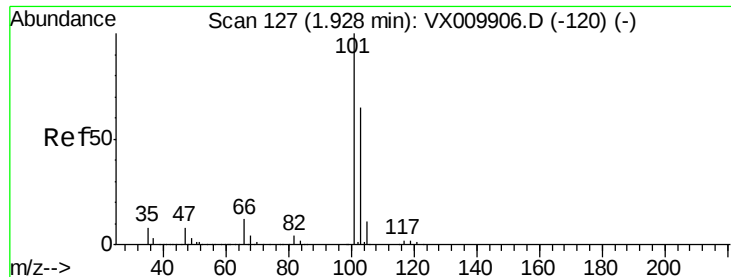
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Time-->

1.65 1.70 1.75 1.80



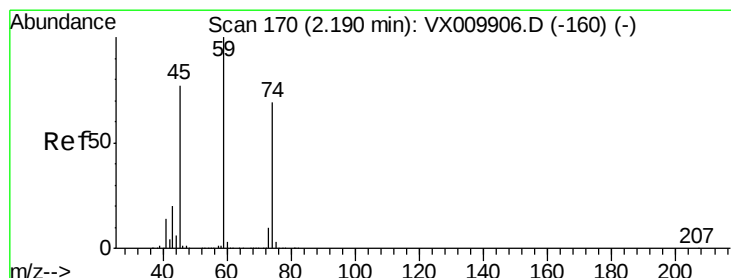
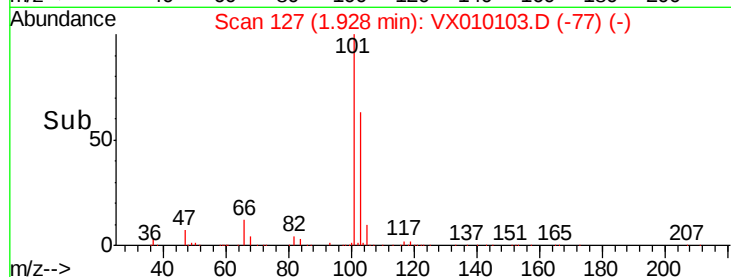
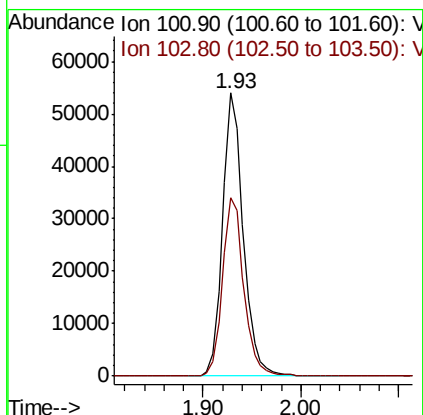
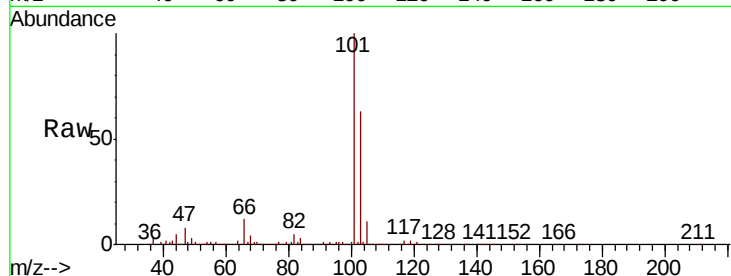


#7

Trichlorofluoromethane  
 Concen: 19.829 ug/l  
 RT: 1.93 min Scan# 127  
 Delta R.T. 0.01 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

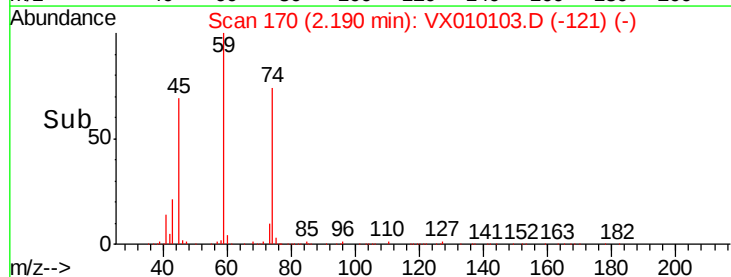
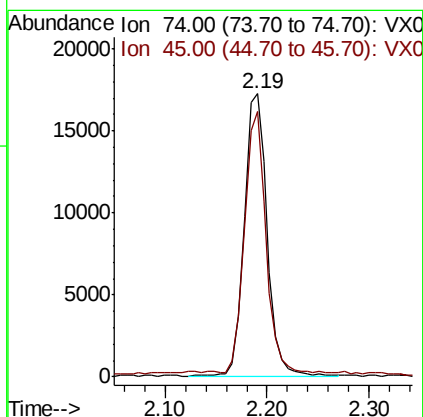
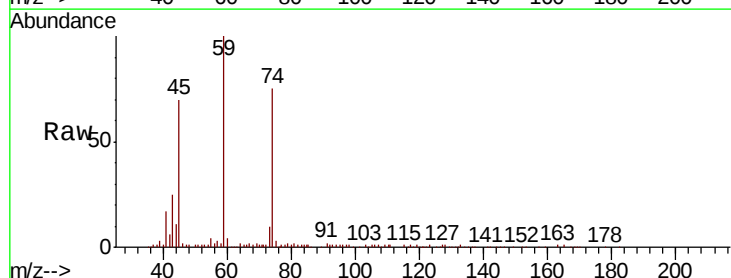
Tgt Ion:101 Resp: 78891  
 Ion Ratio Lower Upper  
 101 100  
 103 63.1 52.2 78.4

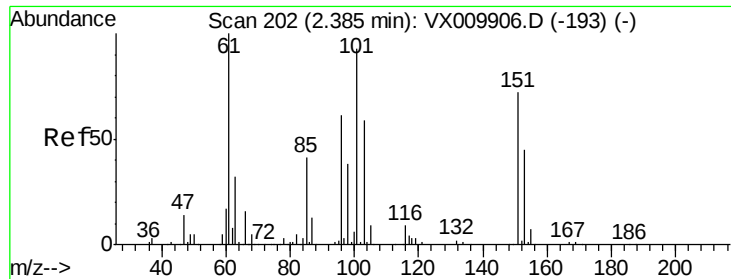


#8

Diethyl Ether  
 Concen: 20.094 ug/l  
 RT: 2.19 min Scan# 170  
 Delta R.T. -0.00 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

Tgt Ion: 74 Resp: 26537  
 Ion Ratio Lower Upper  
 74 100  
 45 86.9 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.206 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

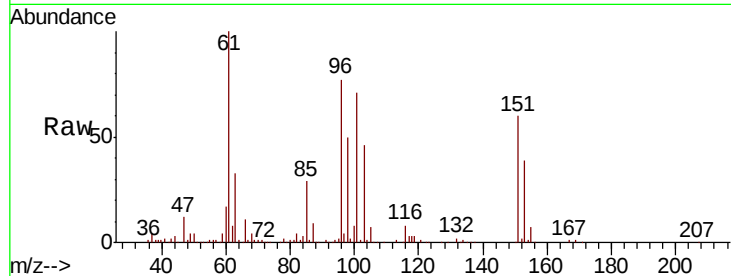
Tgt Ion:101 Resp: 54179

Ion Ratio Lower Upper

101 100

85 40.5 35.2 52.8

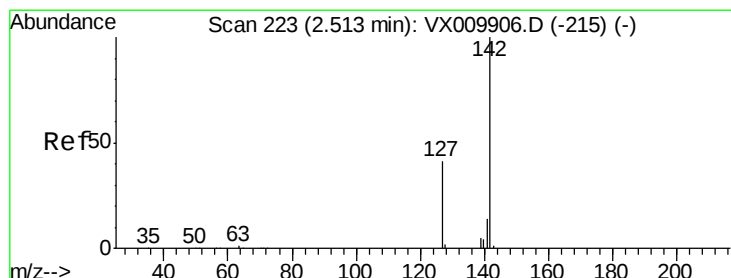
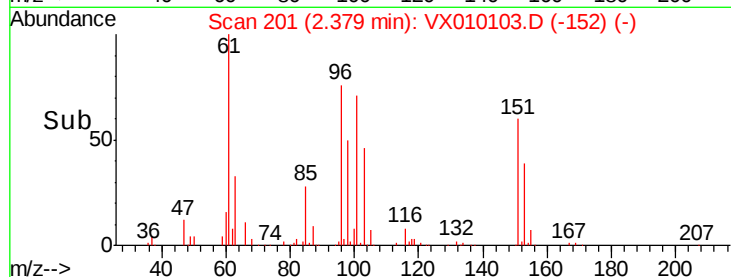
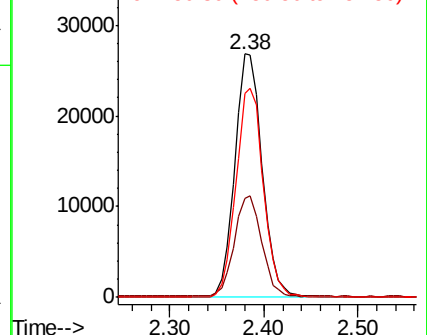
151 86.2 61.9 92.9



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: 18.987 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

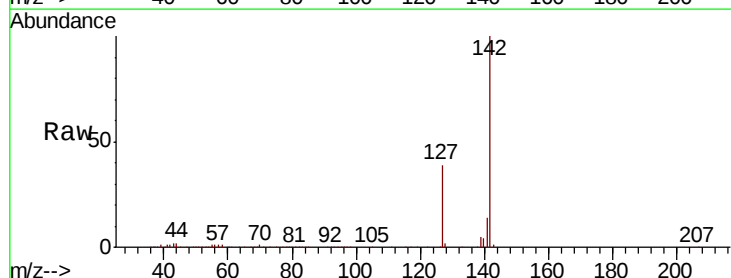
Tgt Ion:142 Resp: 83984

Ion Ratio Lower Upper

142 100

127 38.6 33.0 49.4

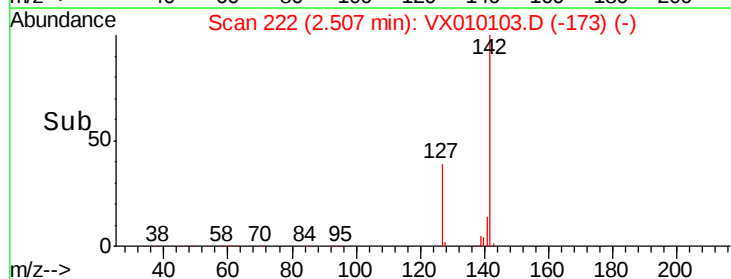
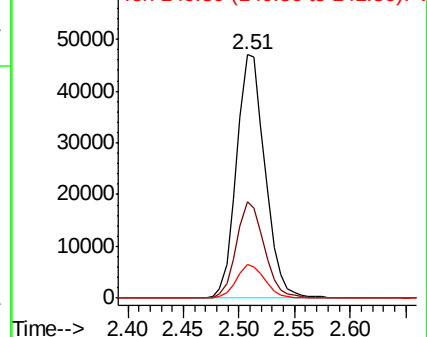
141 13.8 11.4 17.0

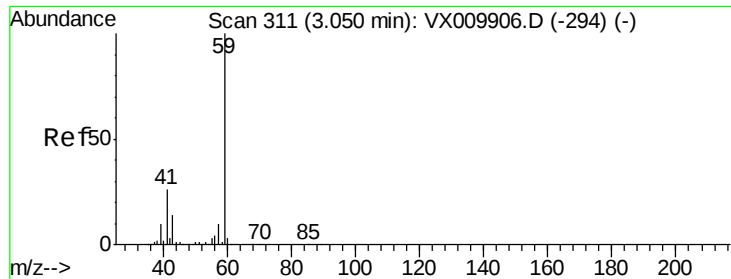


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



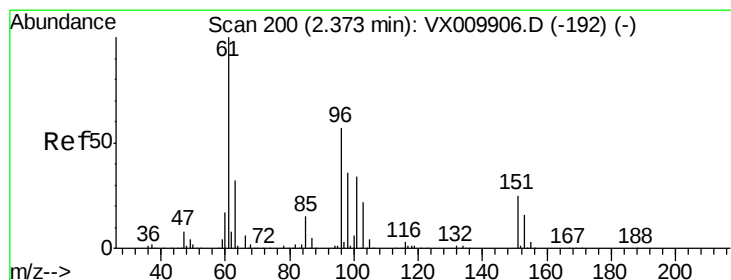
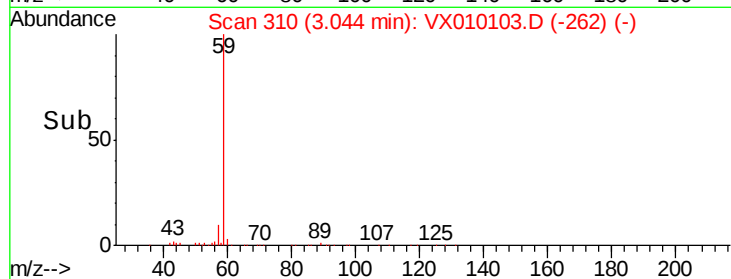
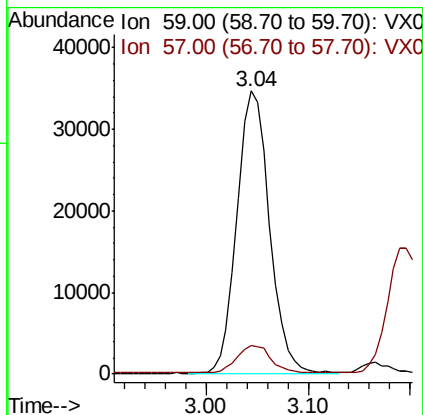
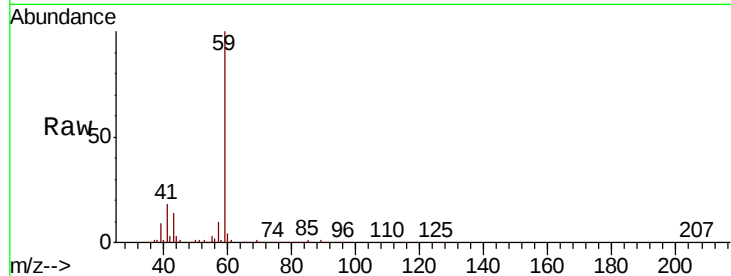


#11

Tert butyl alcohol  
 Concen: 101.904 ug/l  
 RT: 3.04 min Scan# 310  
 Delta R.T. -0.01 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

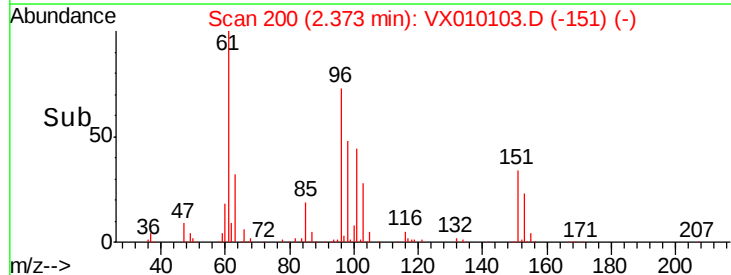
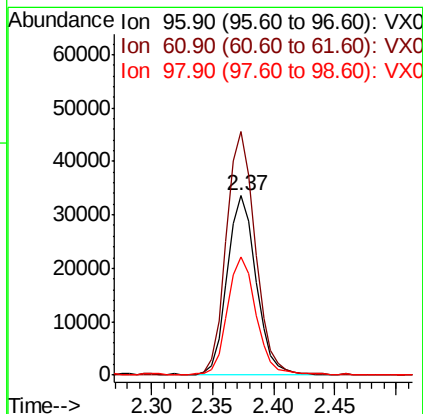
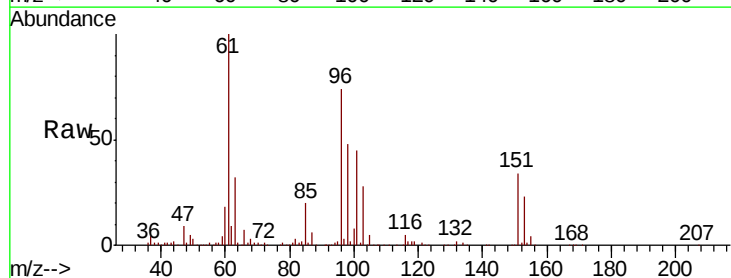
Tgt Ion: 59 Resp: 76667  
 Ion Ratio Lower Upper  
 59 100  
 57 9.6 8.2 12.2

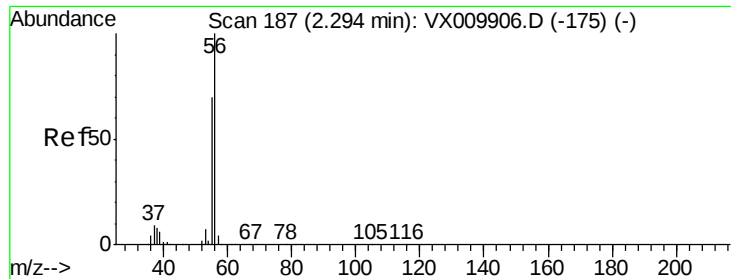


#12

1,1-Dichloroethene  
 Concen: 19.663 ug/l  
 RT: 2.37 min Scan# 200  
 Delta R.T. -0.00 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

Tgt Ion: 96 Resp: 54364  
 Ion Ratio Lower Upper  
 96 100  
 61 136.2 140.7 211.1#  
 98 65.5 50.1 75.1





#13

Acrolein

Concen: 87.843 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

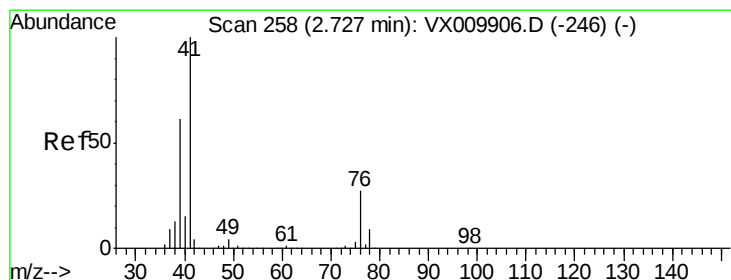
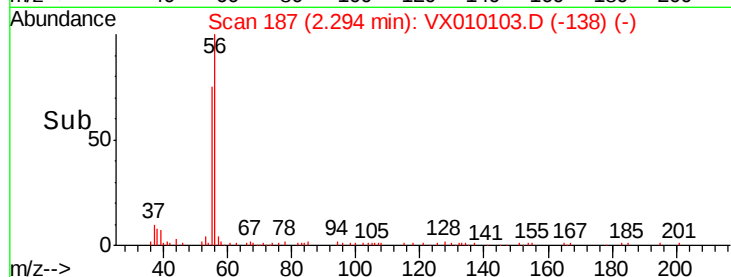
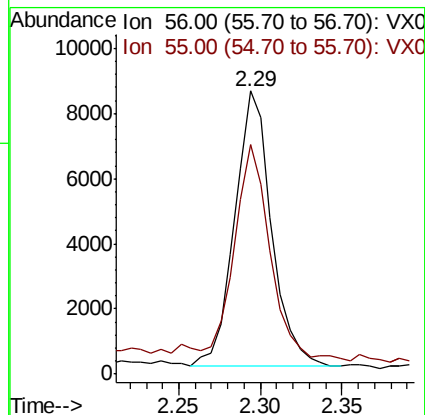
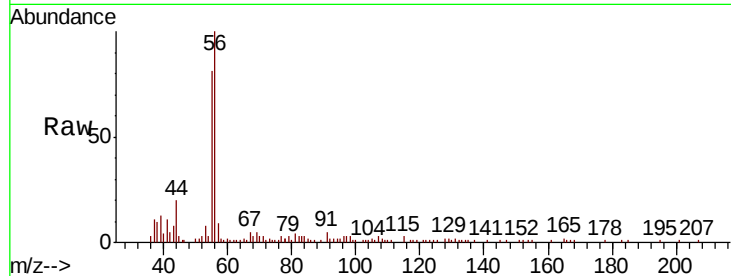
VSTDIC020

Tgt Ion: 56 Resp: 13287

Ion Ratio Lower Upper

56 100

55 76.3 57.0 85.4



#14

Allyl chloride

Concen: 19.664 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

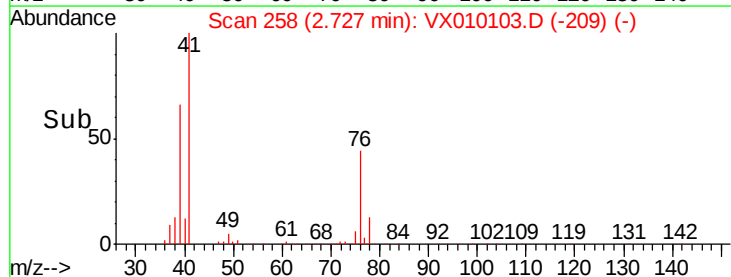
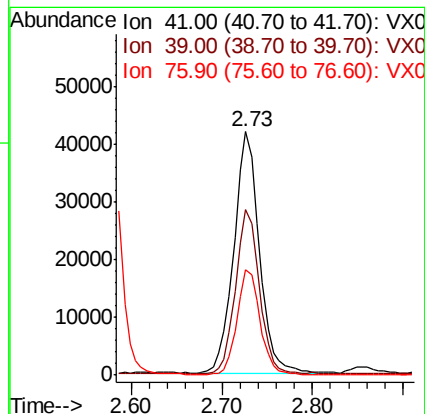
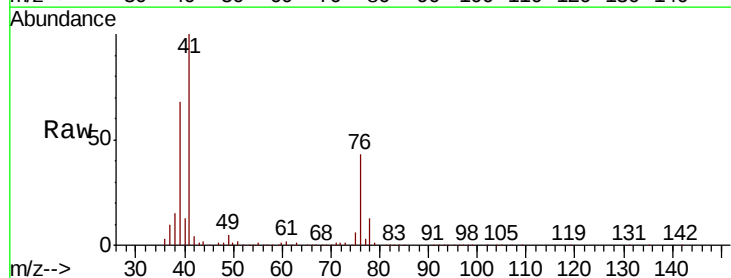
Tgt Ion: 41 Resp: 81544

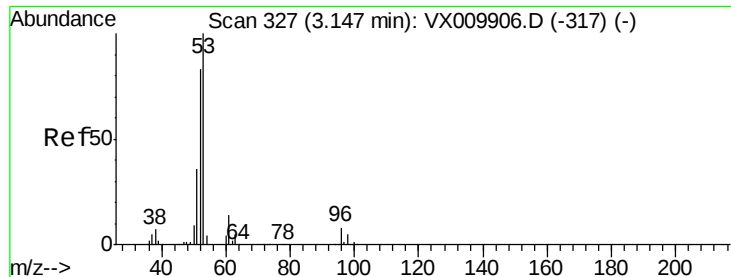
Ion Ratio Lower Upper

41 100

39 63.8 46.7 70.1

76 39.4 21.0 31.4#





#15

Acrylonitrile

Concen: 99.005 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

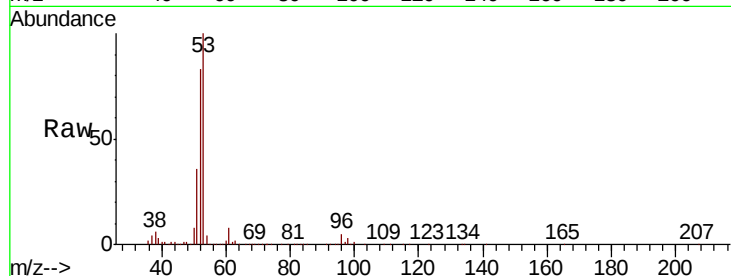
Tgt Ion: 53 Resp: 151049

Ion Ratio Lower Upper

53 100

52 82.5 66.7 100.1

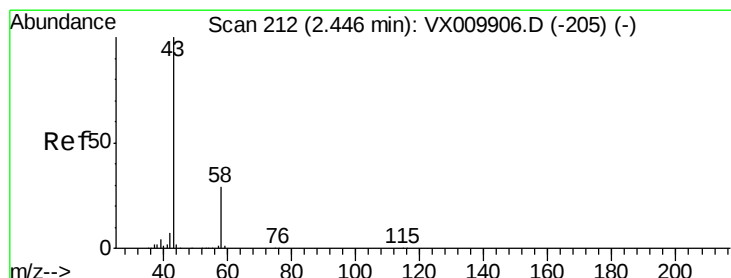
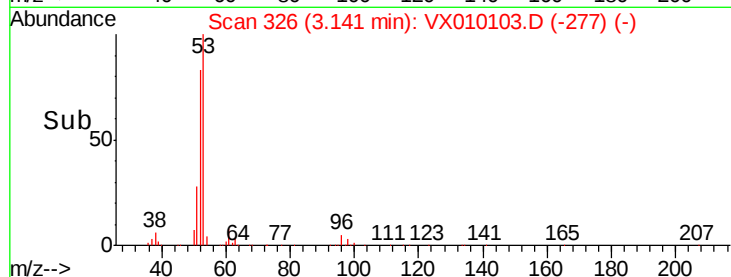
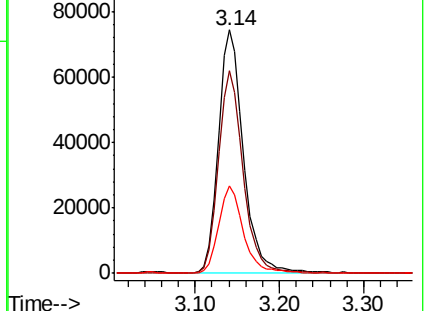
51 35.6 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 101.756 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010103.D

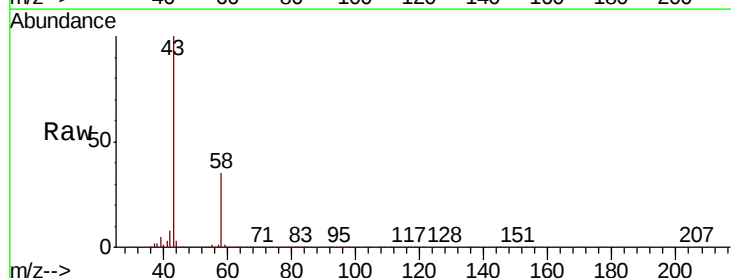
Acq: 07 Jun 2019 12:18

Tgt Ion: 43 Resp: 143019

Ion Ratio Lower Upper

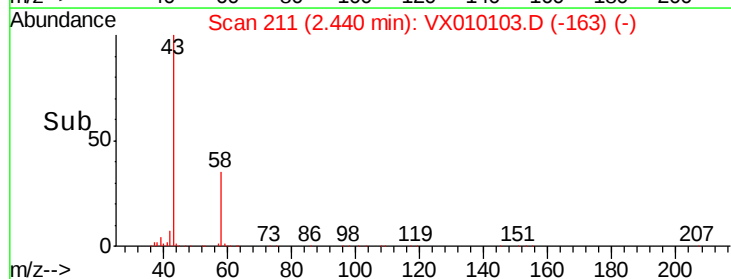
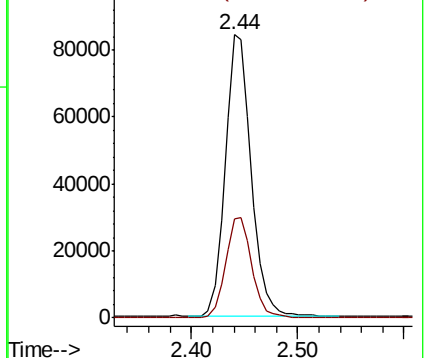
43 100

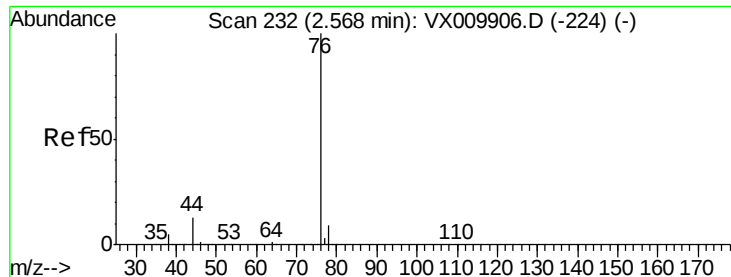
58 35.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

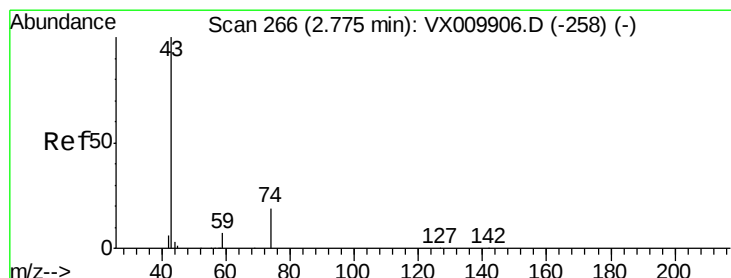
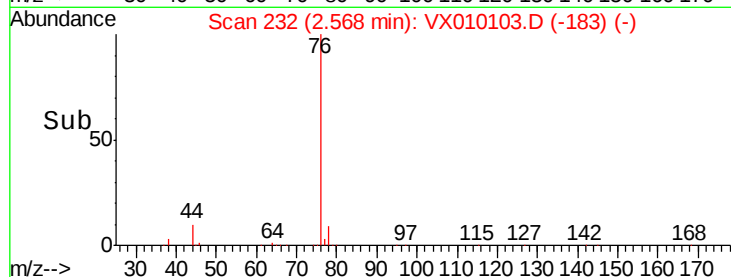
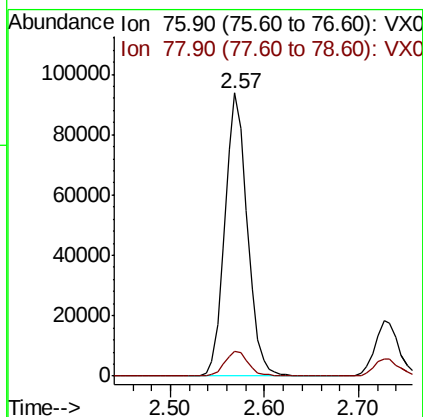
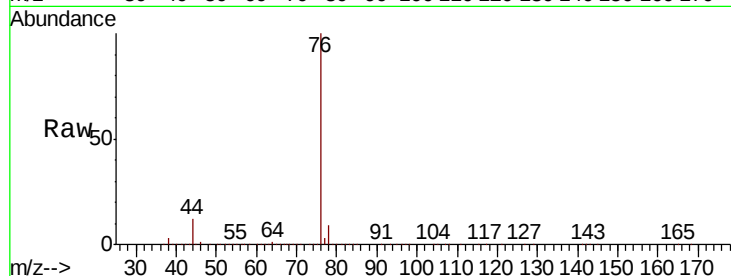




#17  
Carbon Disulfide  
Concen: 19.887 ug/l  
RT: 2.57 min Scan# 232  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

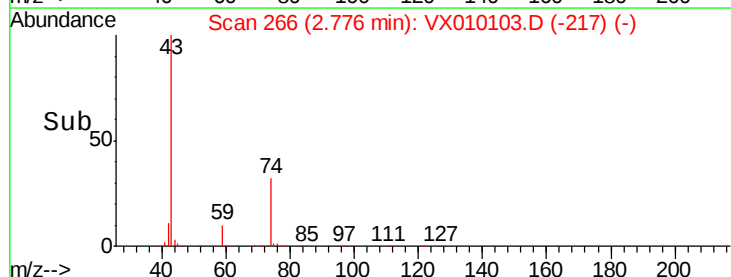
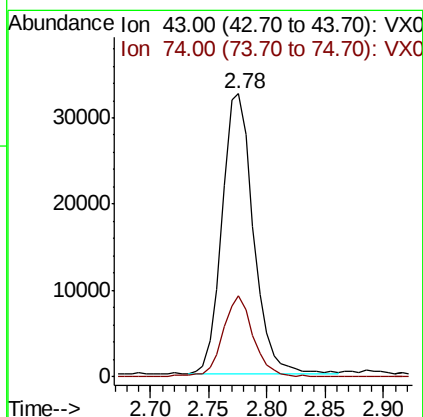
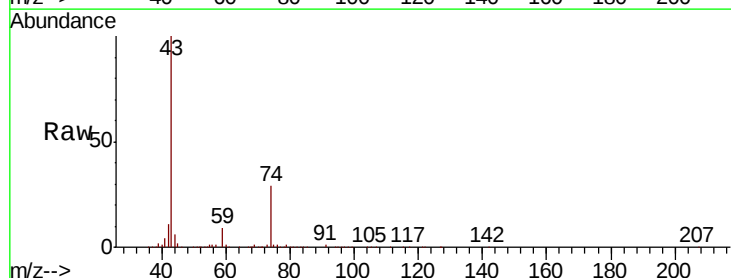
Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC020

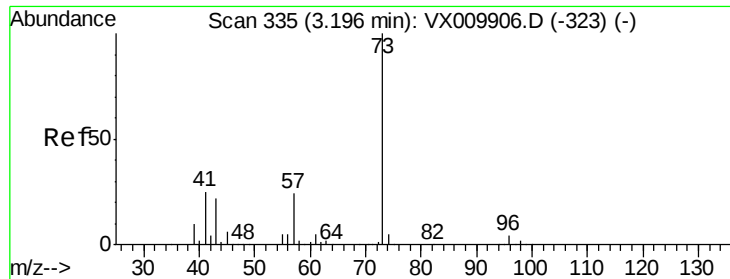
Tgt Ion: 76 Resp: 154801  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.0 10.6



#18  
Methyl Acetate  
Concen: 19.984 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion: 43 Resp: 60398  
Ion Ratio Lower Upper  
43 100  
74 27.9 15.8 23.6#

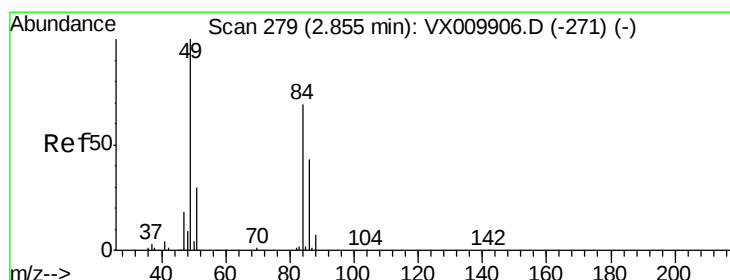
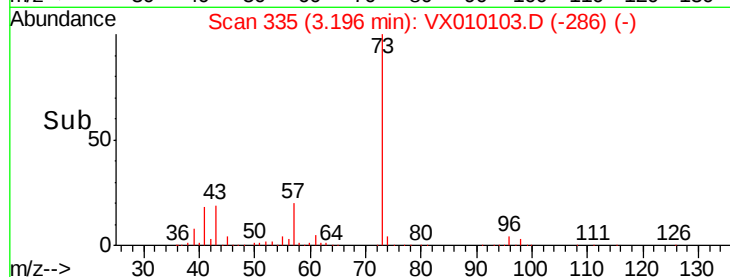
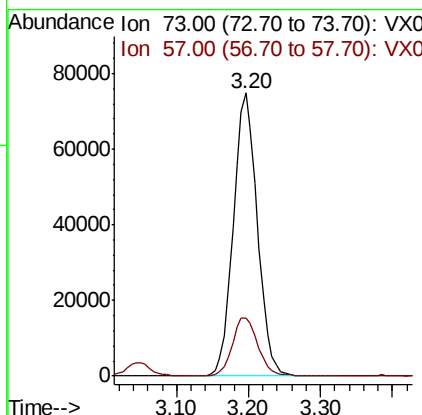
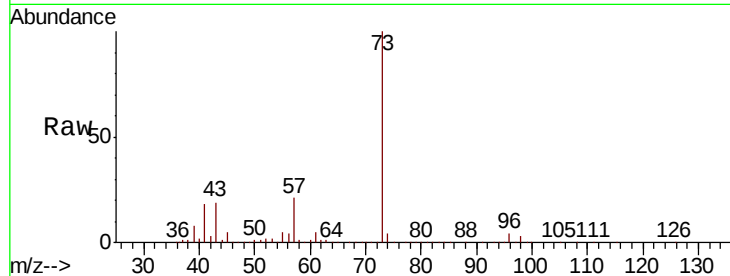




#19  
Methyl tert-butyl Ether  
Concen: 19.604 ug/l  
RT: 3.20 min Scan# 335  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

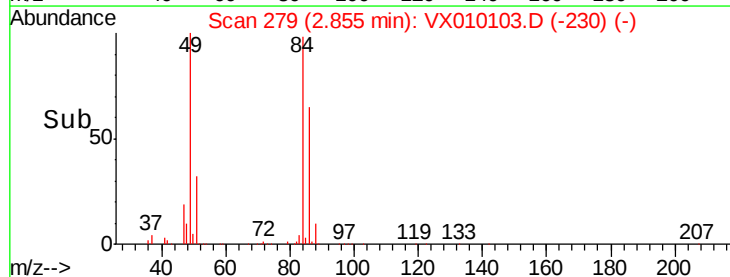
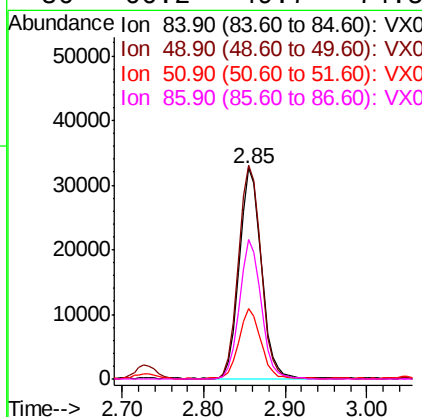
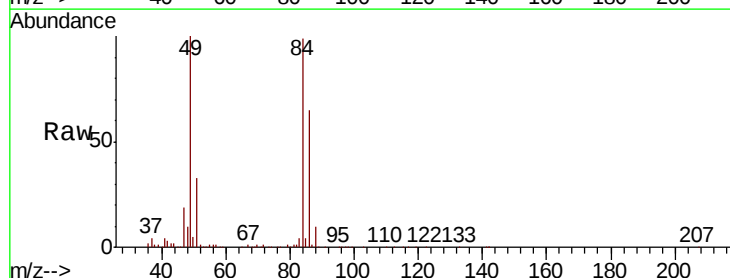
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

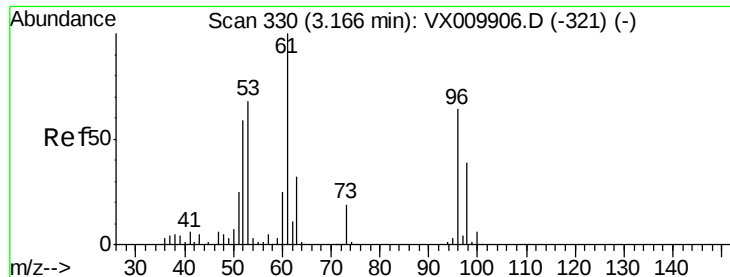
Tgt Ion: 73 Resp: 173422  
Ion Ratio Lower Upper  
73 100  
57 20.4 19.4 29.2



#20  
Methylene Chloride  
Concen: 19.915 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion: 84 Resp: 60599  
Ion Ratio Lower Upper  
84 100  
49 101.4 115.8 173.6#  
51 32.9 34.4 51.6#  
86 66.2 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 19.482 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

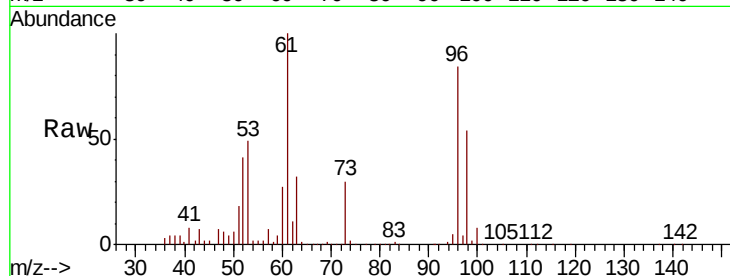
Tgt Ion: 96 Resp: 58218

Ion Ratio Lower Upper

96 100

61 118.5 125.7 188.5#

98 64.0 49.0 73.6

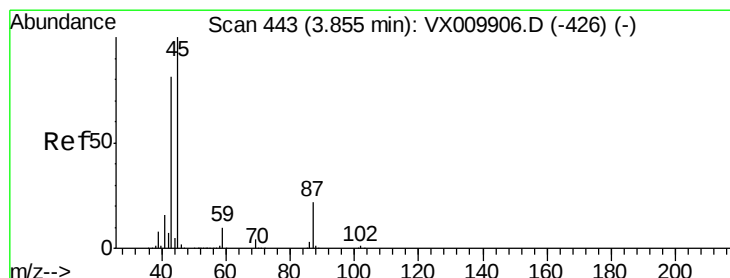
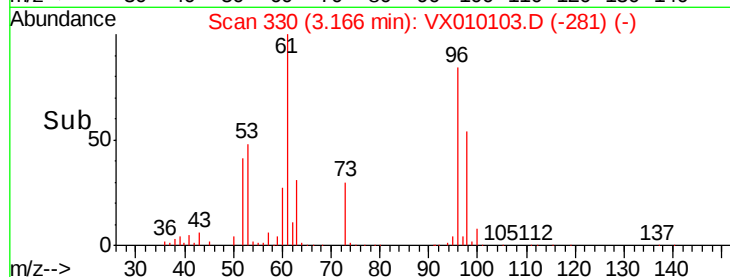
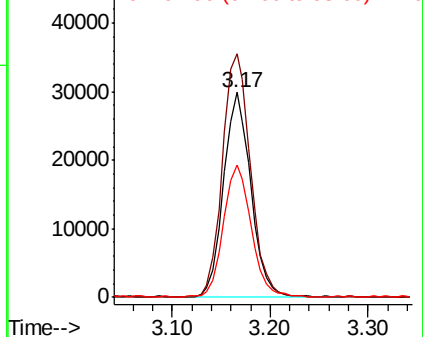


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.533 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Tgt Ion: 45 Resp: 158919

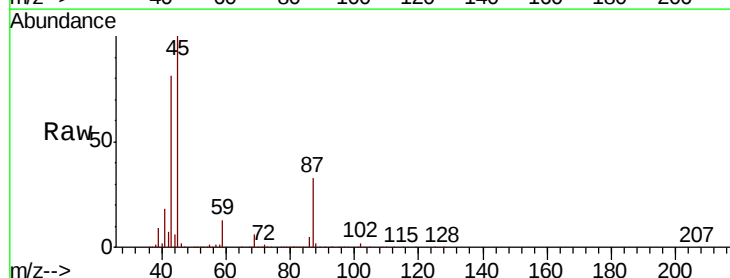
Ion Ratio Lower Upper

45 100

43 80.0 65.0 97.4

87 33.1 17.3 25.9#

59 13.3 8.1 12.1#



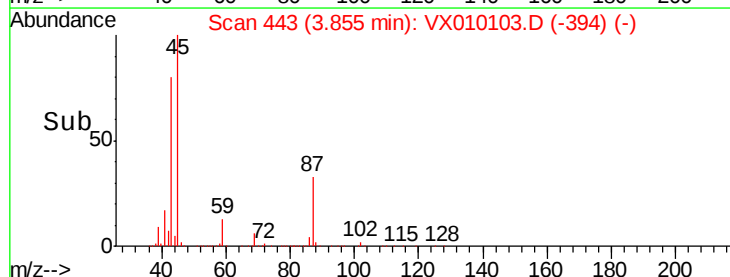
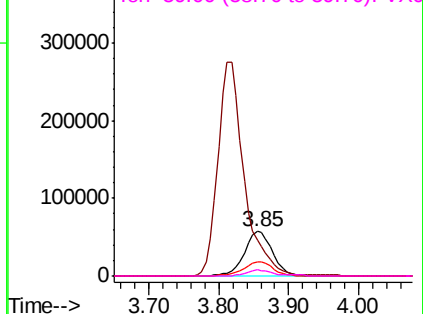
Abundance

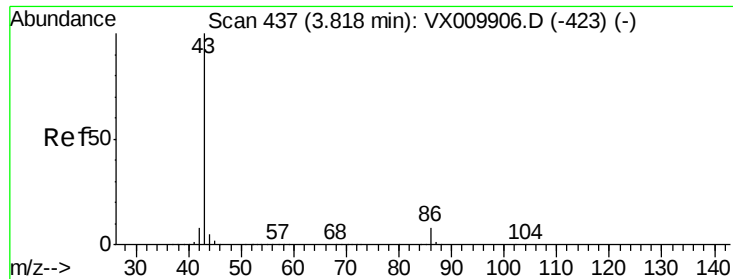
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 98.499 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

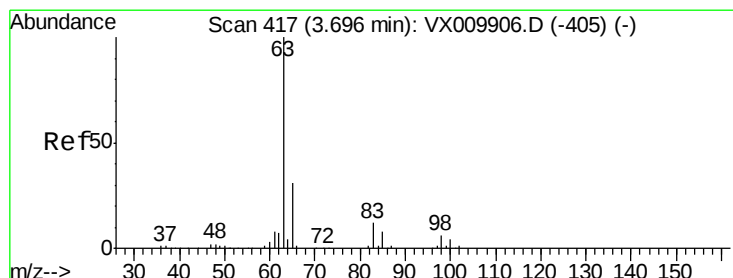
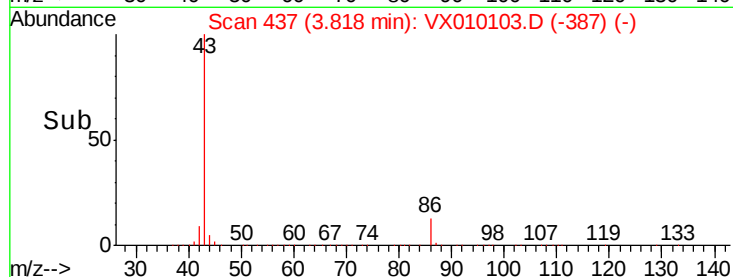
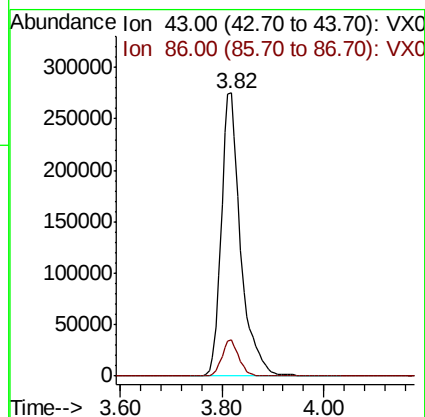
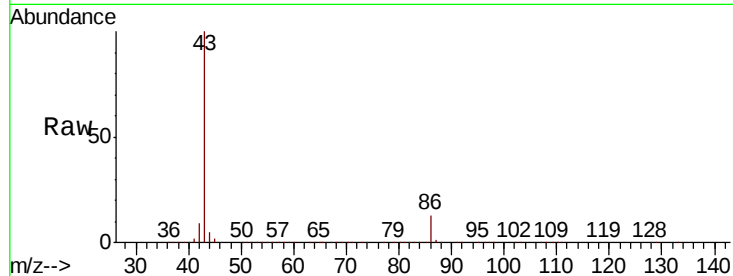
VSTDIC020

Tgt Ion: 43 Resp: 722240

Ion Ratio Lower Upper

43 100

86 12.9 6.5 9.7#



#24

1,1-Dichloroethane

Concen: 19.757 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

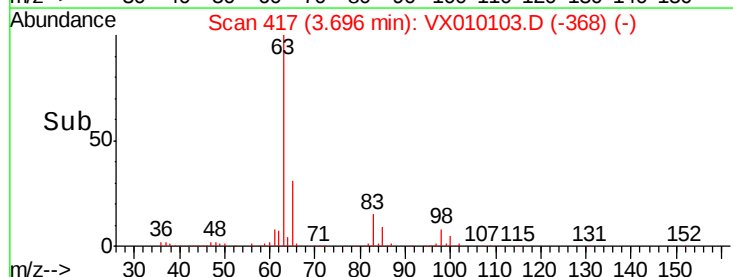
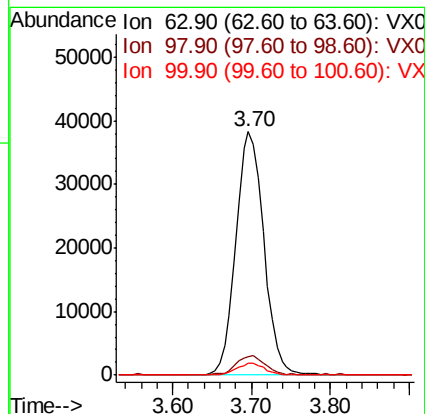
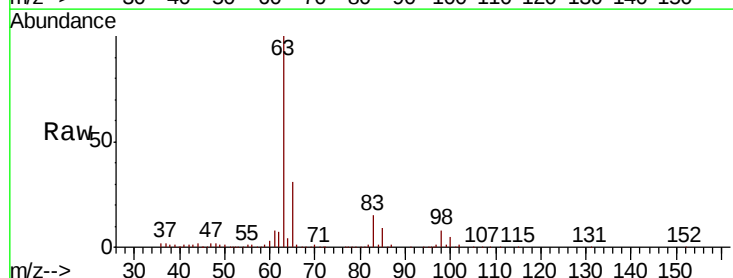
Tgt Ion: 63 Resp: 94564

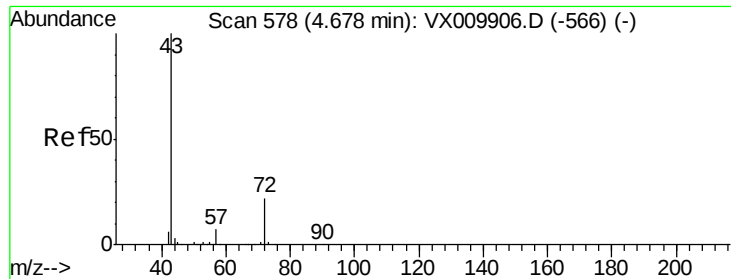
Ion Ratio Lower Upper

63 100

98 7.5 2.9 8.8

100 4.8 1.8 5.4





#25

2-Butanone

Concen: 100.412 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

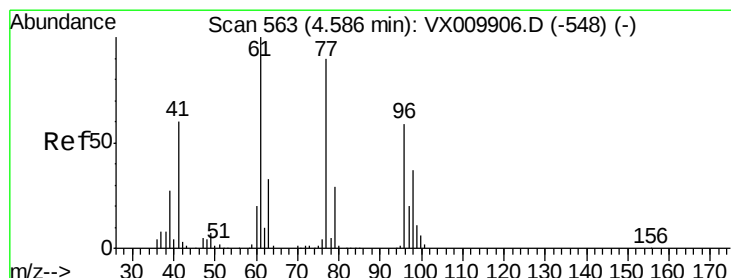
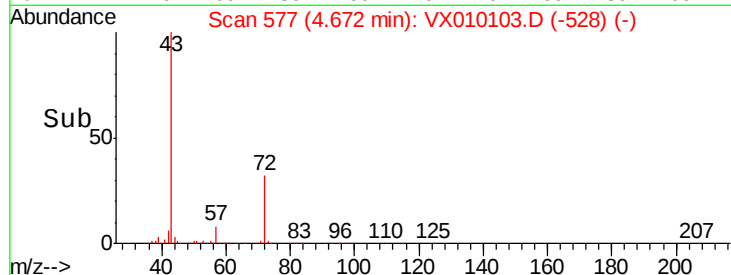
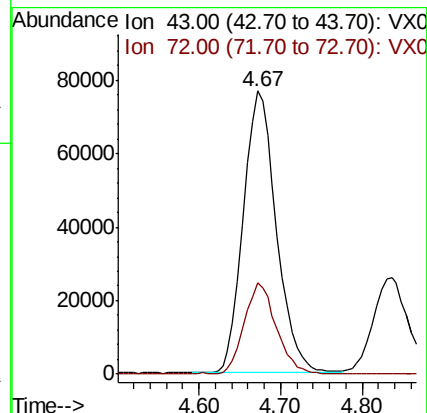
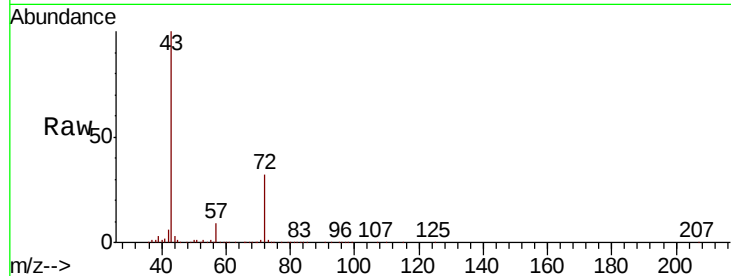
VSTDIC020

Tgt Ion: 43 Resp: 215979

Ion Ratio Lower Upper

43 100

72 32.0 17.5 26.3#



#26

2,2-Dichloropropane

Concen: 19.690 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010103.D

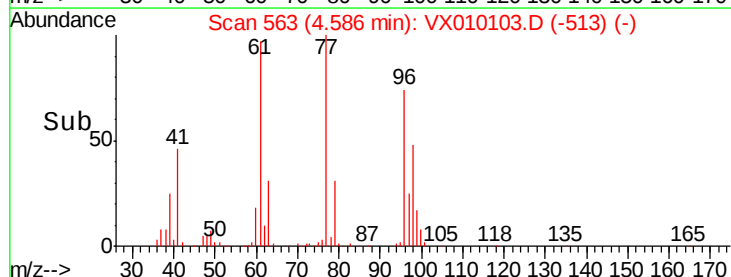
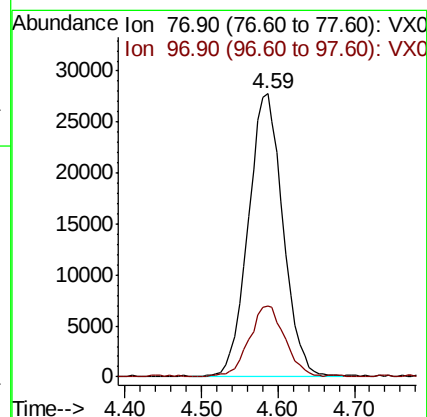
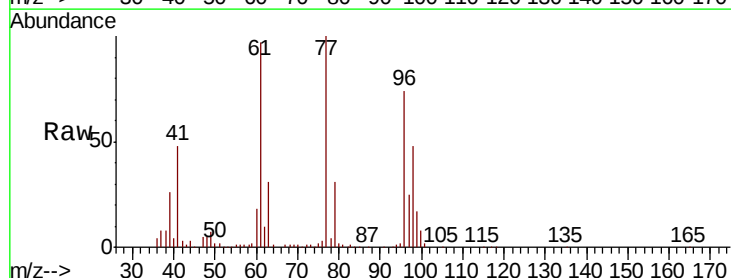
Acq: 07 Jun 2019 12:18

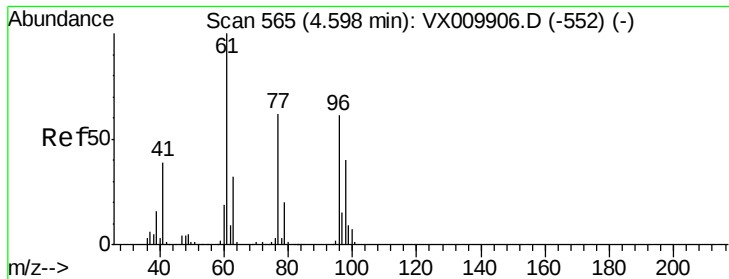
Tgt Ion: 77 Resp: 86751

Ion Ratio Lower Upper

77 100

97 25.7 11.4 34.2



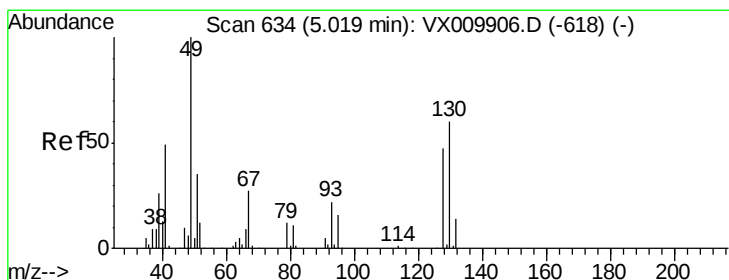
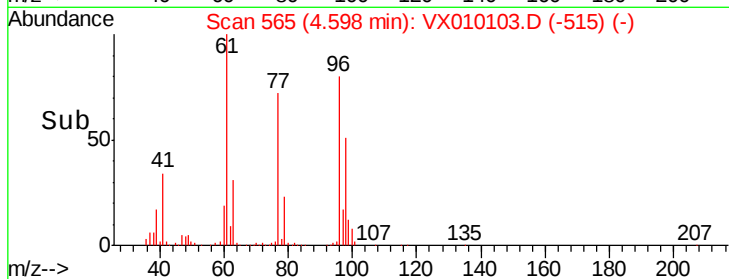
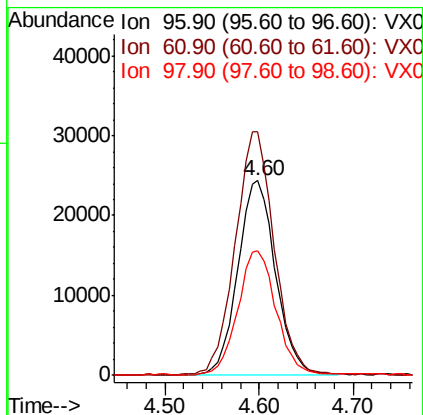
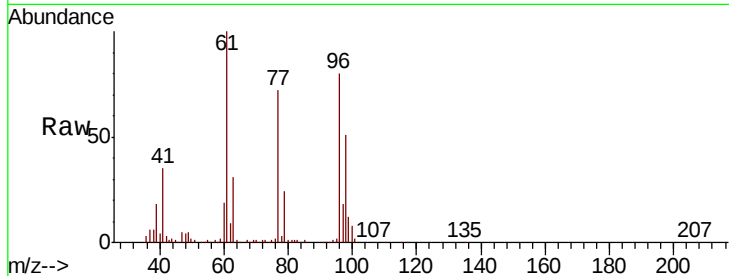


#27

cis-1,2-Dichloroethene  
Concen: 19.847 ug/l  
RT: 4.60 min Scan# 565  
Delta R.T. 0.01 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

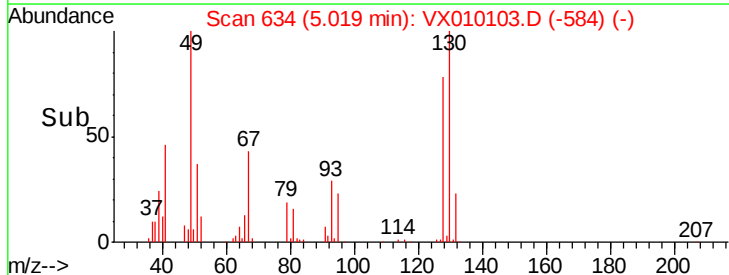
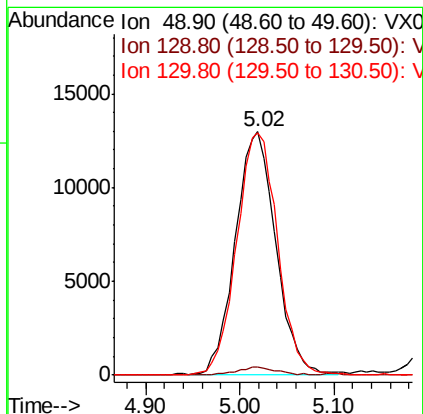
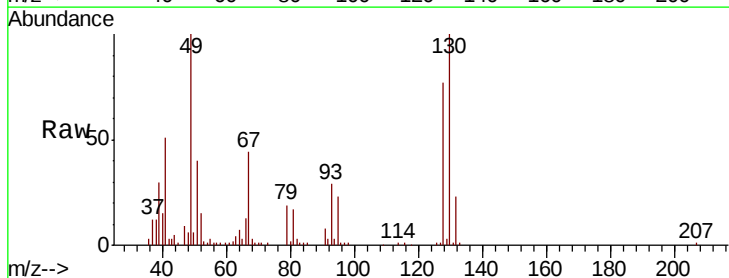
Tgt Ion: 96 Resp: 67660  
Ion Ratio Lower Upper  
96 100  
61 131.1 0.0 334.0  
98 64.7 0.0 131.6

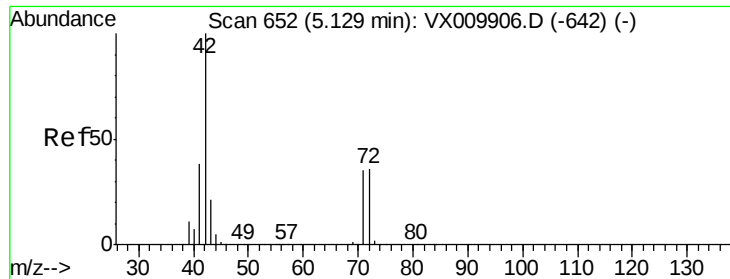


#28

Bromochloromethane  
Concen: 18.073 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. 0.01 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion: 49 Resp: 39082  
Ion Ratio Lower Upper  
49 100  
129 3.0 0.0 3.4  
130 100.3 49.4 74.2#





#29

Tetrahydrofuran

Concen: 100.267 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

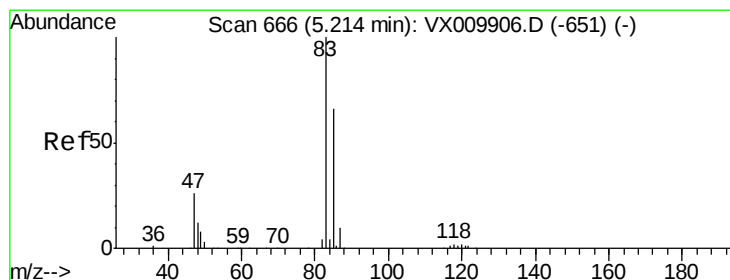
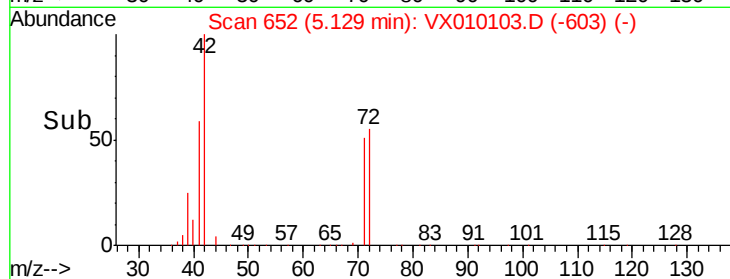
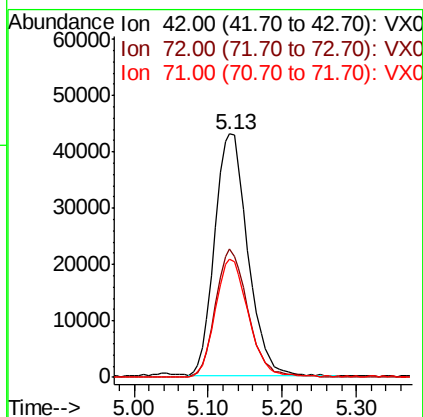
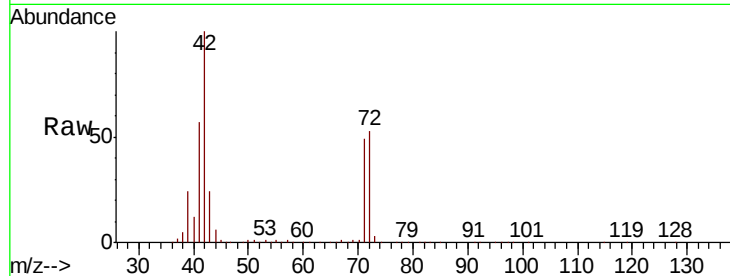
Tgt Ion: 42 Resp: 133257

Ion Ratio Lower Upper

42 100

72 52.0 29.2 43.8#

71 48.3 27.6 41.4#



#30

Chloroform

Concen: 19.713 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX010103.D

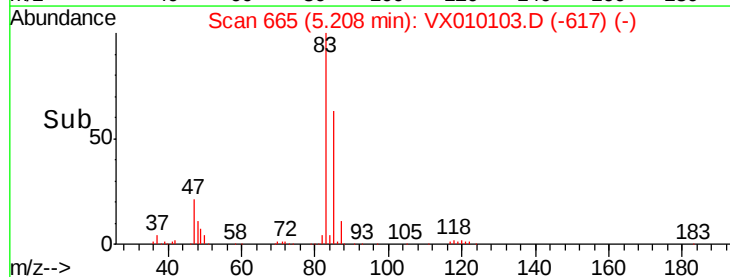
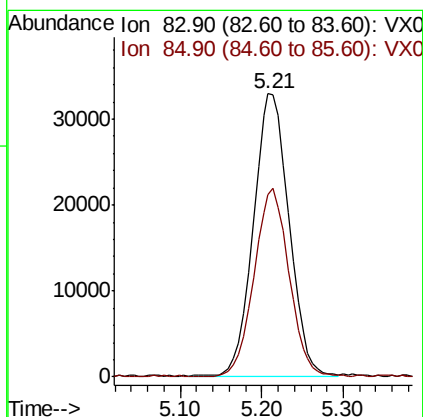
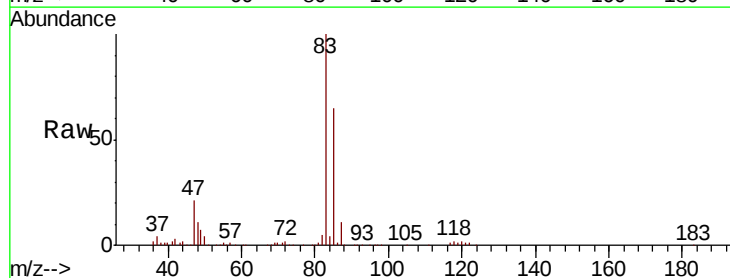
Acq: 07 Jun 2019 12:18

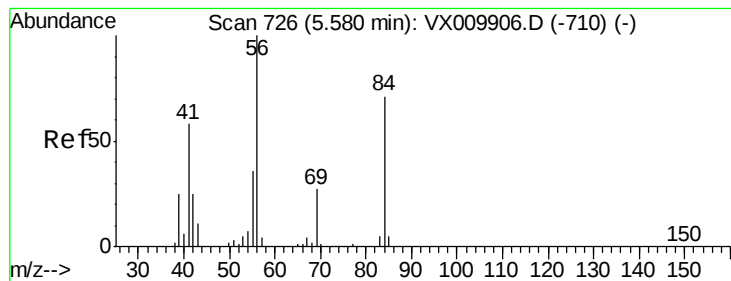
Tgt Ion: 83 Resp: 99904

Ion Ratio Lower Upper

83 100

85 64.5 52.6 78.8





#31

Cyclohexane

Concen: 19.929 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

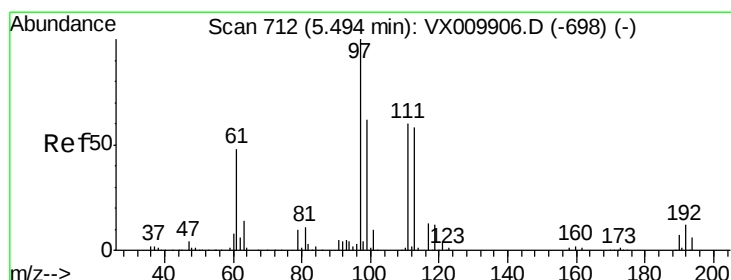
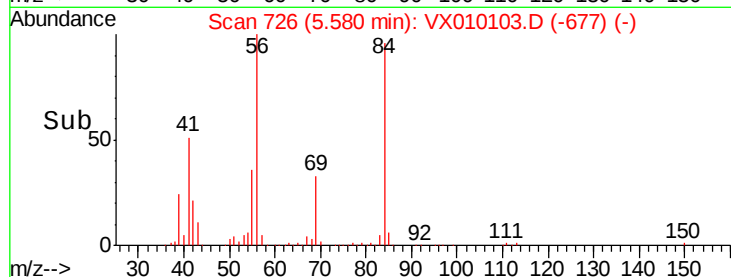
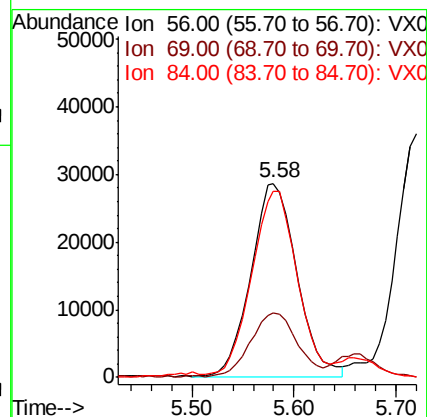
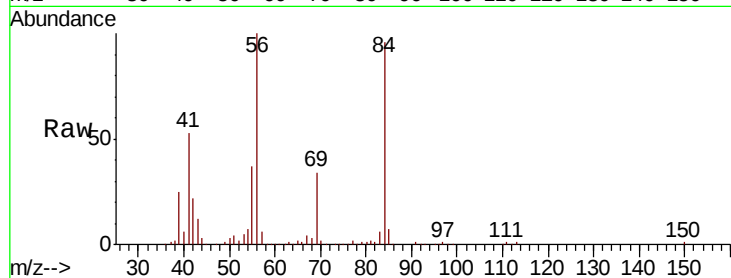
Tgt Ion: 56 Resp: 89027

Ion Ratio Lower Upper

56 100

69 33.1 21.6 32.4#

84 94.0 56.8 85.2#



#32

1,1,1-Trichloroethane

Concen: 20.007 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

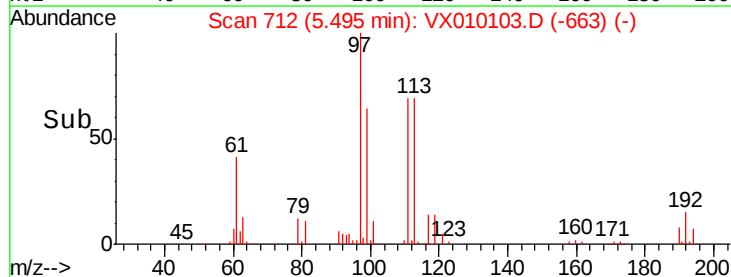
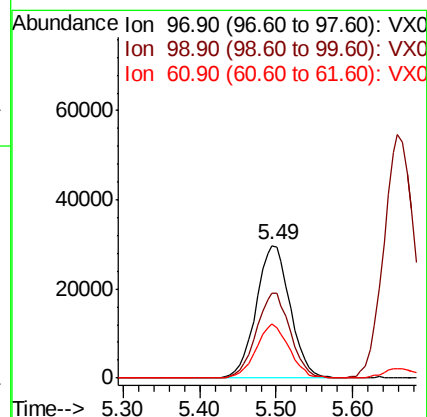
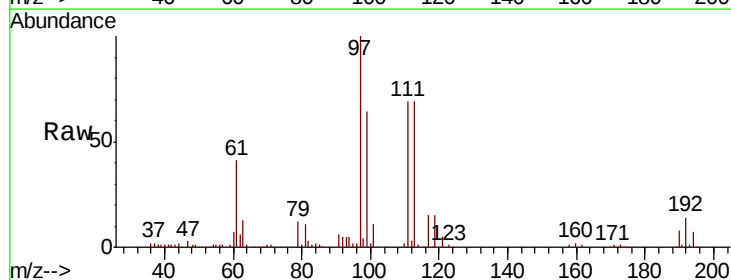
Tgt Ion: 97 Resp: 92420

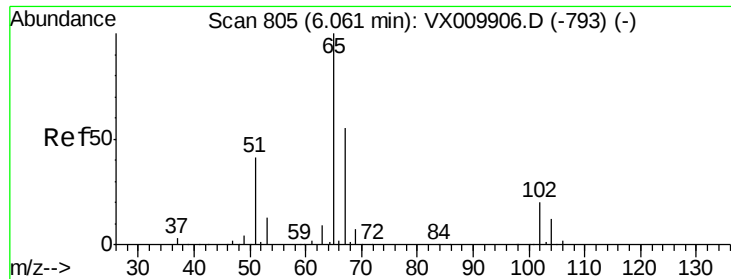
Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.4

61 39.7 38.7 58.1

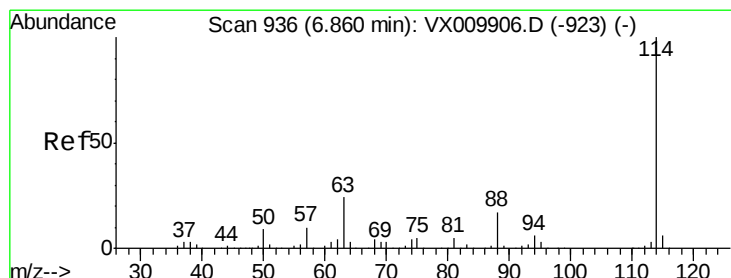
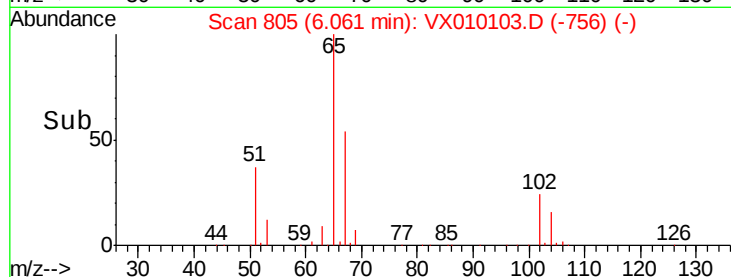
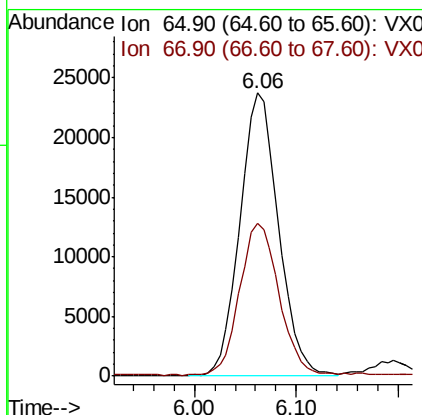
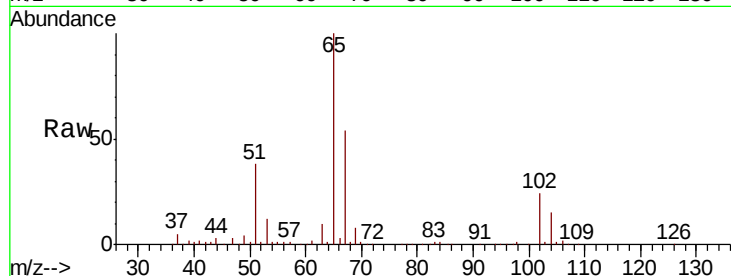




#33  
 1,2-Dichloroethane-d4  
 Concen: 20.801 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

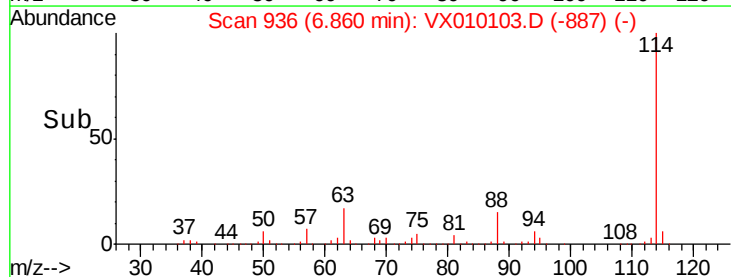
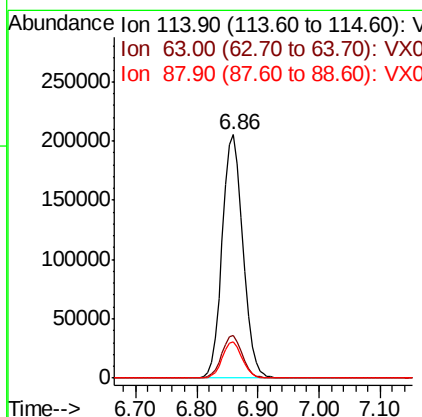
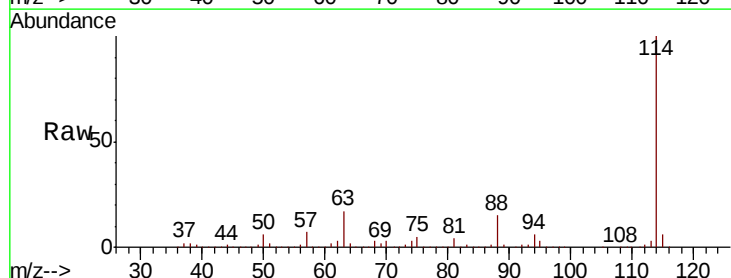
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

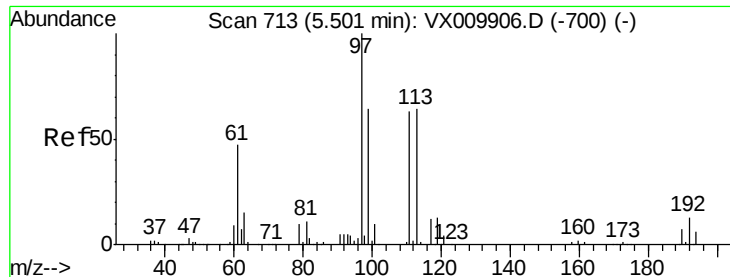
Tgt Ion: 65 Resp: 62572  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 108.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

Tgt Ion: 114 Resp: 481192  
 Ion Ratio Lower Upper  
 114 100  
 63 17.4 0.0 47.4  
 88 14.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 20.824 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

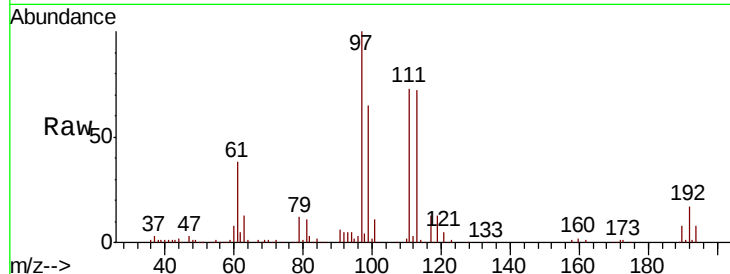
Tgt Ion:113 Resp: 60609

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

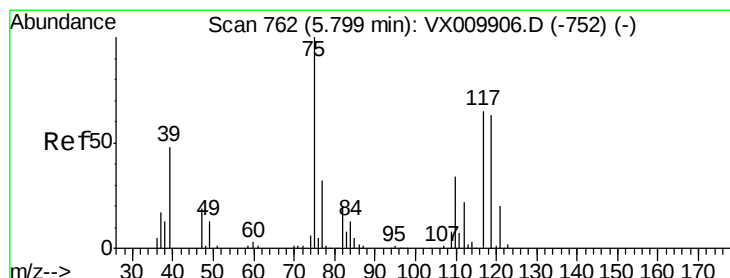
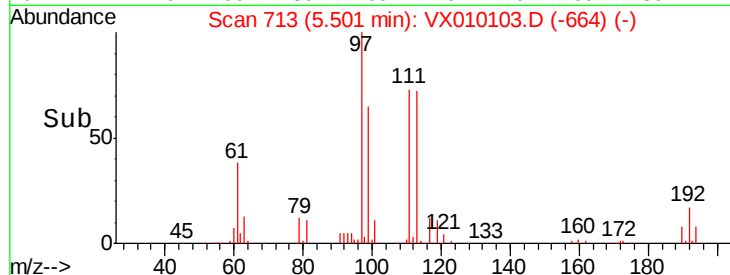
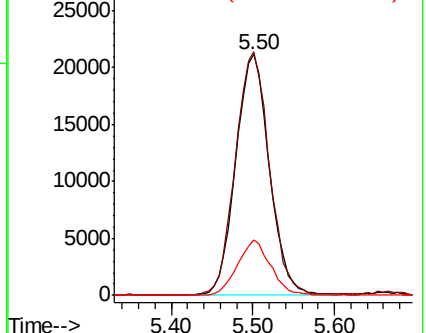
192 22.3 17.1 25.7



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: 19.798 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

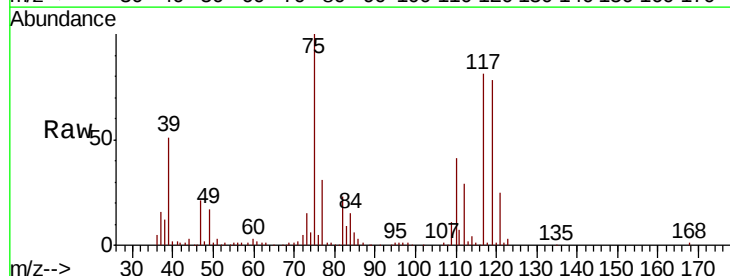
Tgt Ion: 75 Resp: 74417

Ion Ratio Lower Upper

75 100

110 41.8 16.7 50.1

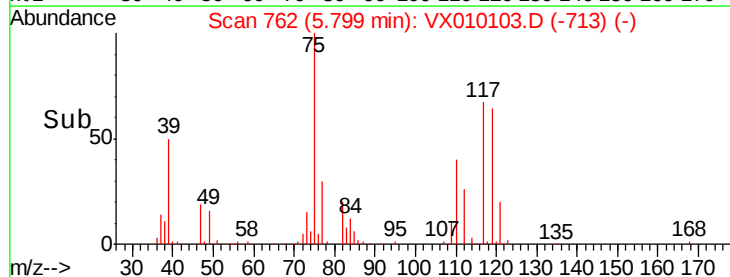
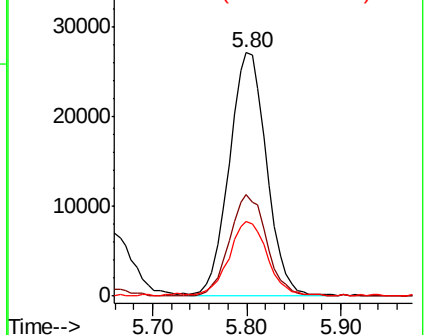
77 30.8 25.0 37.4

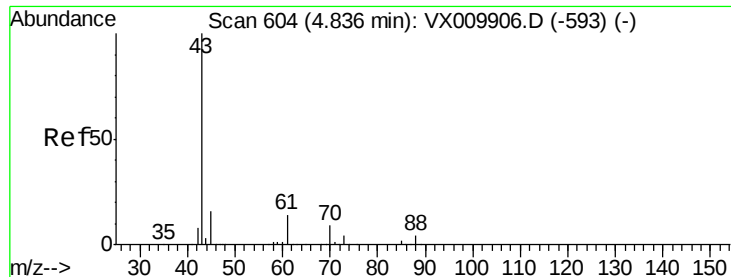


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

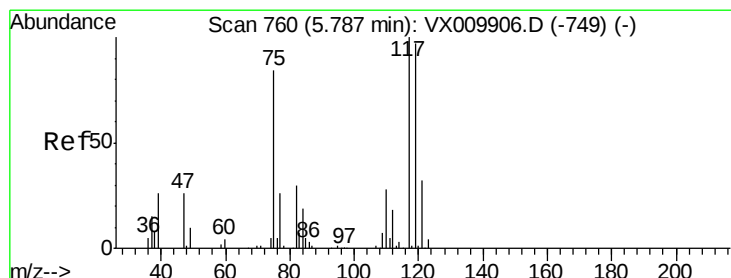
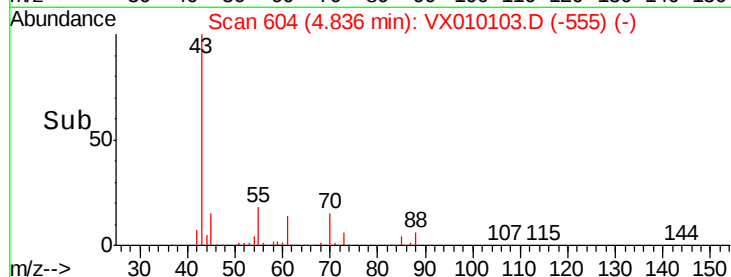
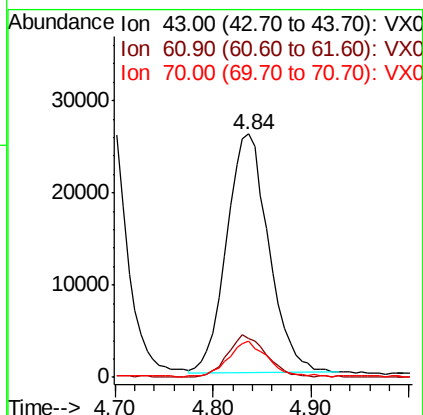
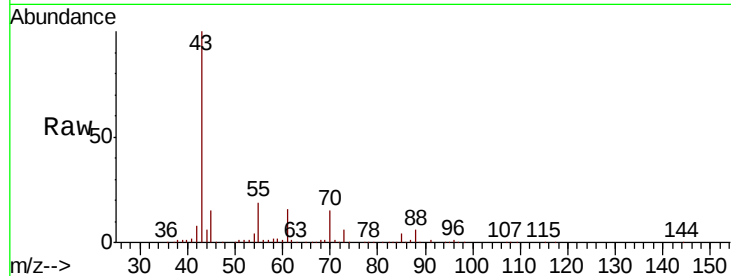




#37  
Ethyl Acetate  
Concen: 19.502 ug/l  
RT: 4.84 min Scan# 604  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

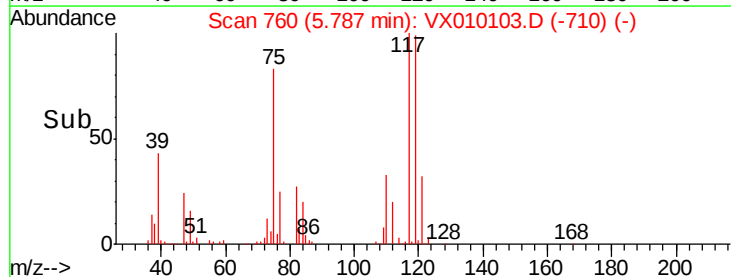
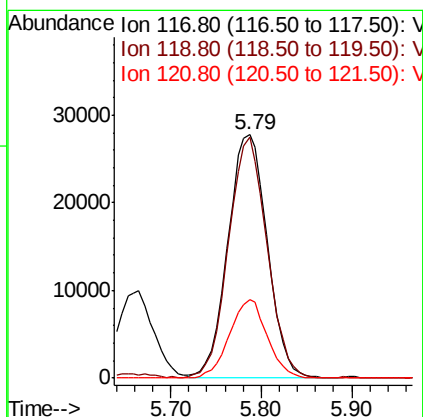
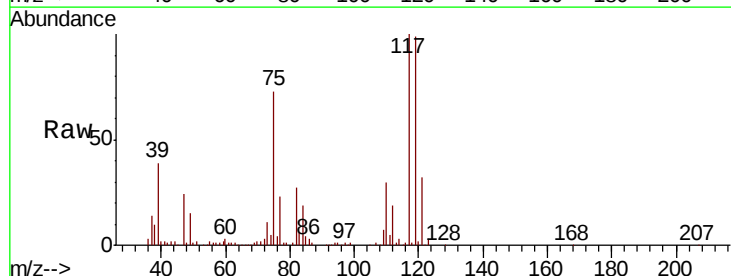
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

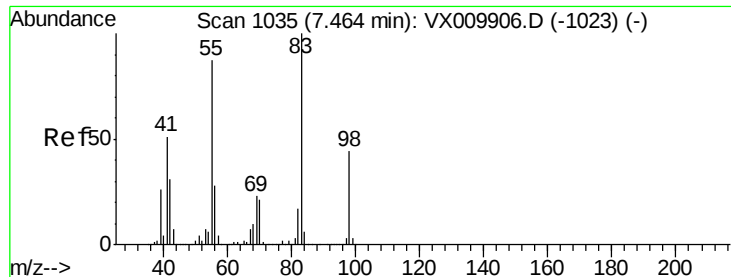
Tgt Ion: 43 Resp: 77168  
Ion Ratio Lower Upper  
43 100  
61 16.7 10.2 15.2#  
70 13.6 7.4 11.2#



#38  
Carbon Tetrachloride  
Concen: 19.610 ug/l  
RT: 5.79 min Scan# 760  
Delta R.T. 0.01 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion: 117 Resp: 83502  
Ion Ratio Lower Upper  
117 100  
119 98.8 77.3 115.9  
121 32.4 25.4 38.0

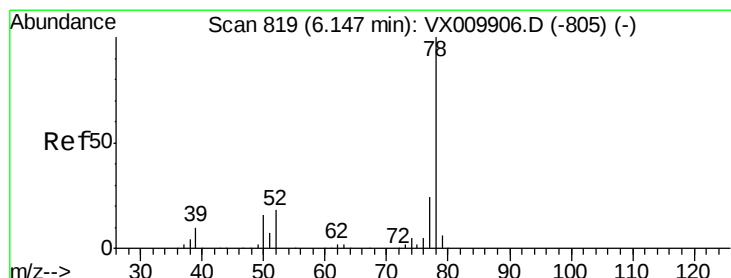
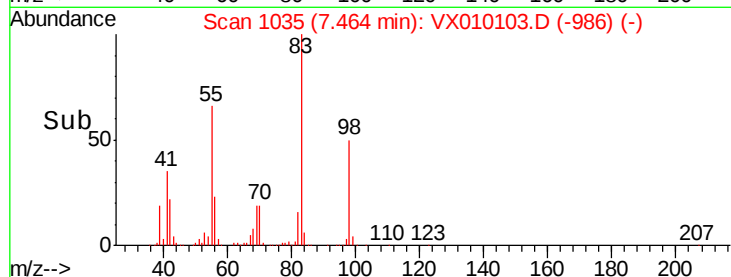
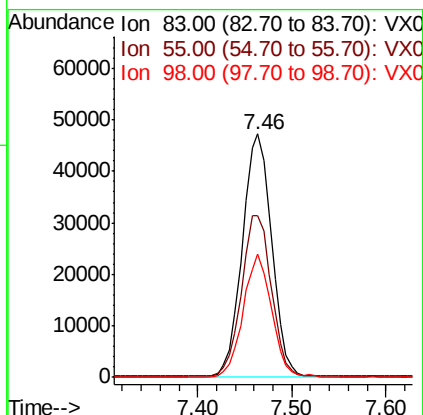
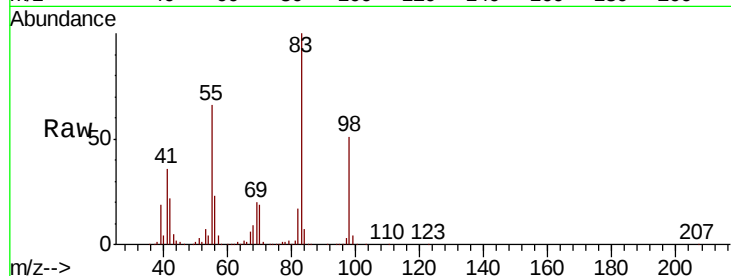




#39  
Methylcyclohexane  
Concen: 20.037 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

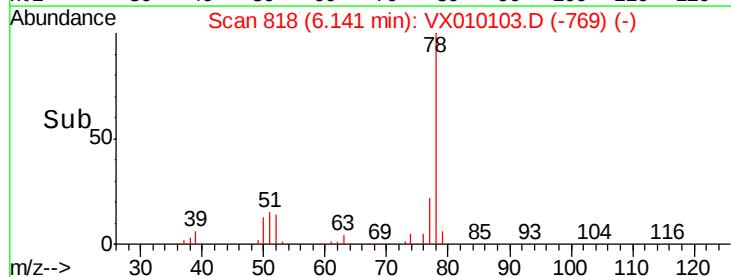
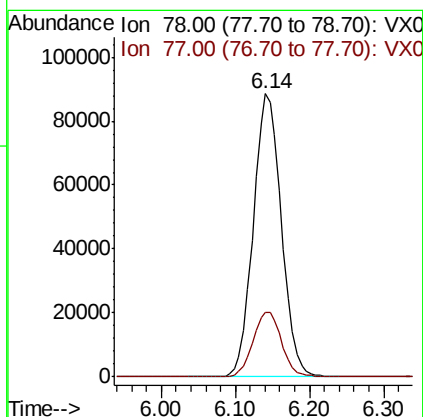
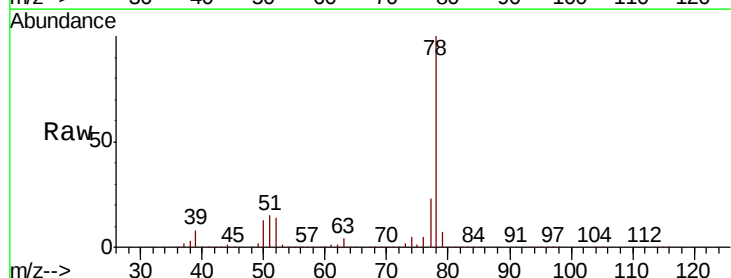
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

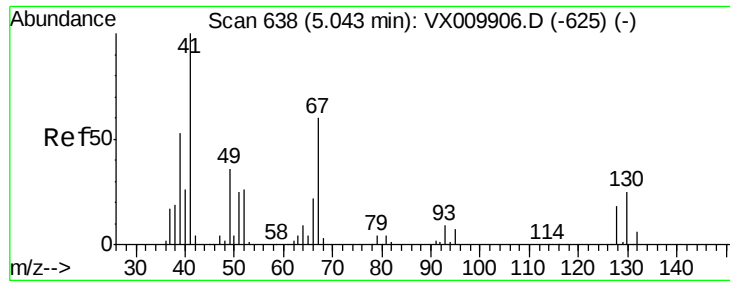
Tgt Ion: 83 Resp: 101952  
Ion Ratio Lower Upper  
83 100  
55 66.0 69.9 104.9#  
98 50.5 35.1 52.7



#40  
Benzene  
Concen: 19.764 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion: 78 Resp: 233761  
Ion Ratio Lower Upper  
78 100  
77 22.7 19.2 28.8





#41

Methacrylonitrile

Concen: 19.687 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 42552

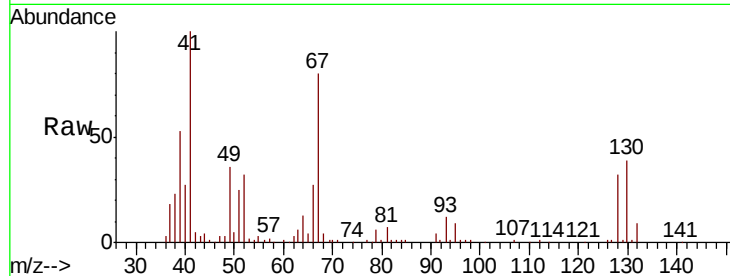
Ion Ratio Lower Upper

41 100

39 53.4 42.2 63.4

67 83.4 48.9 73.3#

52 32.5 20.1 30.1#

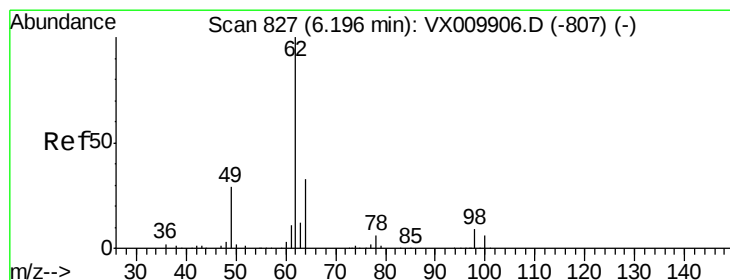
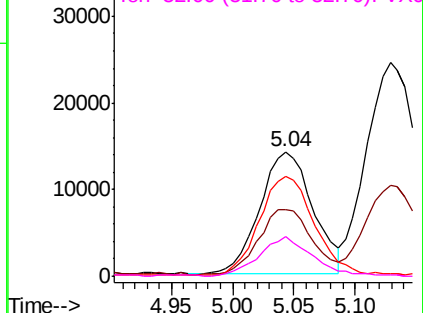
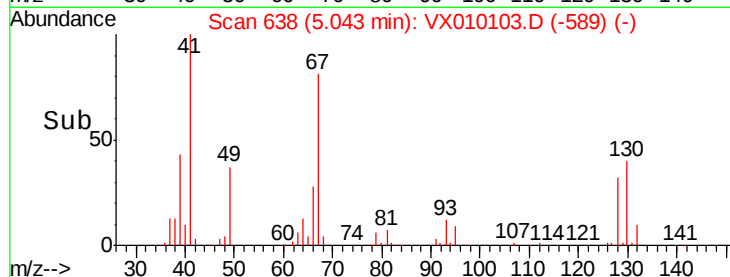


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 19.489 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX010103.D

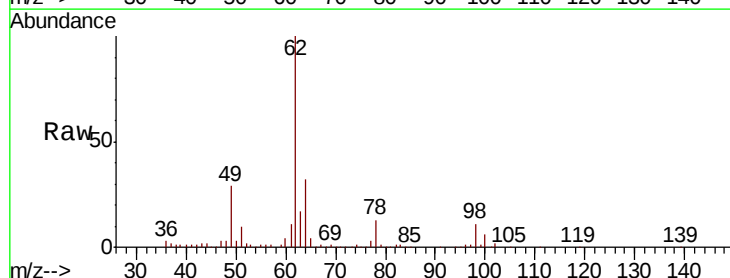
Acq: 07 Jun 2019 12:18

Tgt Ion: 62 Resp: 73264

Ion Ratio Lower Upper

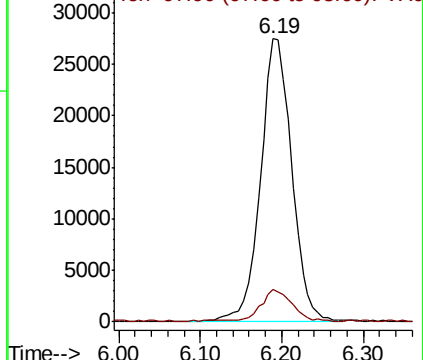
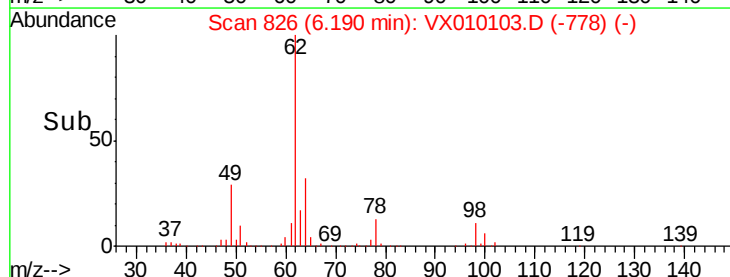
62 100

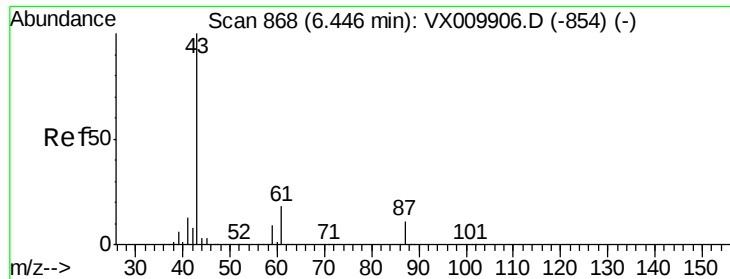
98 10.8 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.760 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

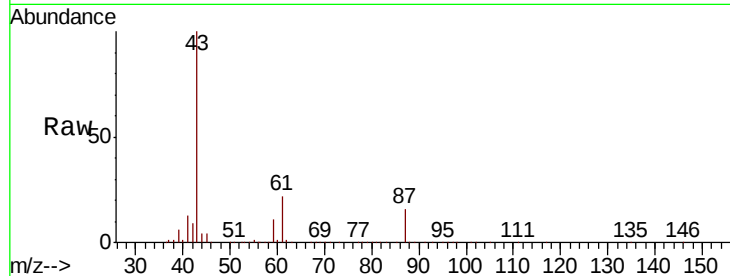
Tgt Ion: 43 Resp: 130269

Ion Ratio Lower Upper

43 100

61 22.4 14.6 21.8#

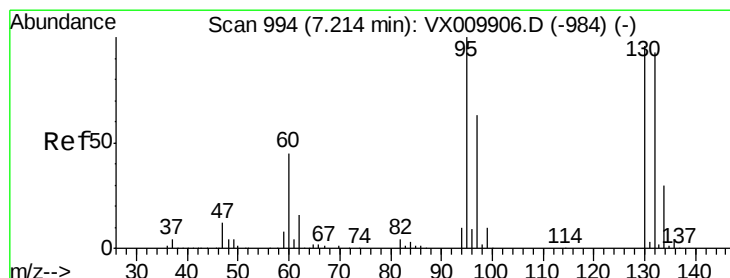
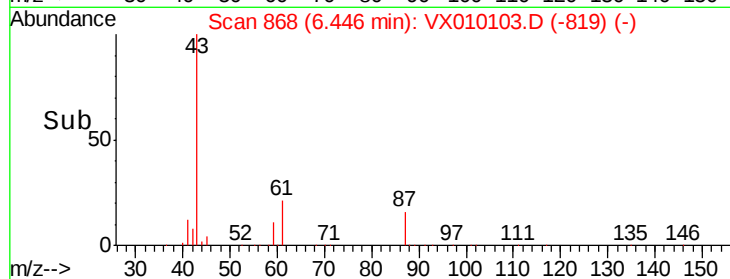
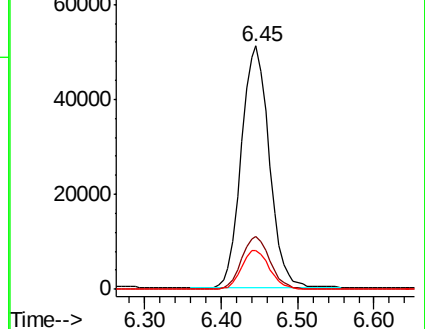
87 16.1 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 19.790 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010103.D

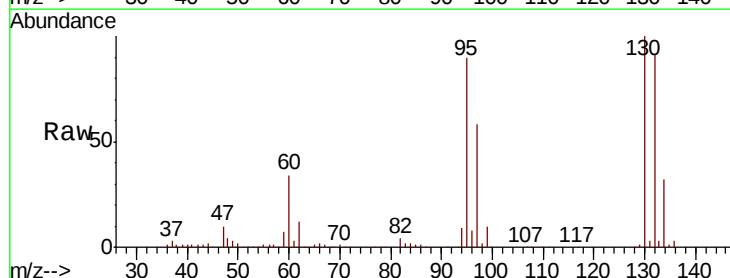
Acq: 07 Jun 2019 12:18

Tgt Ion:130 Resp: 69062

Ion Ratio Lower Upper

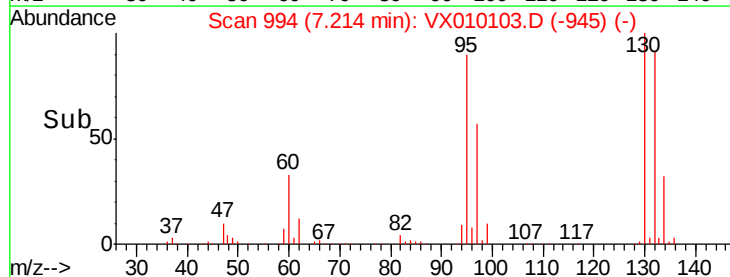
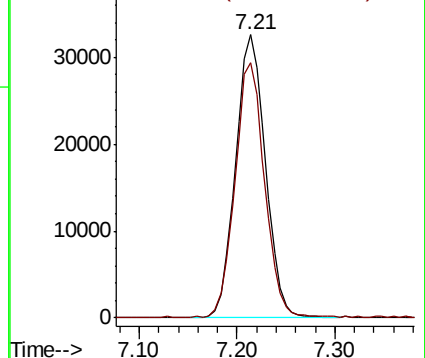
130 100

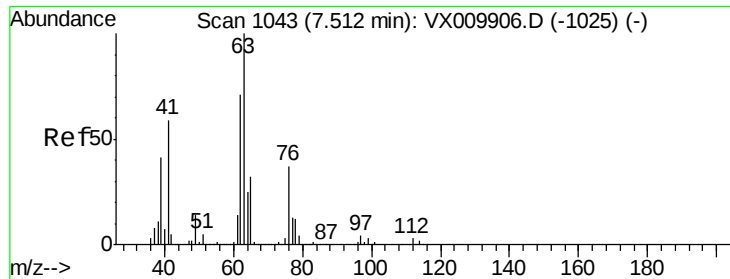
95 89.8 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.537 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

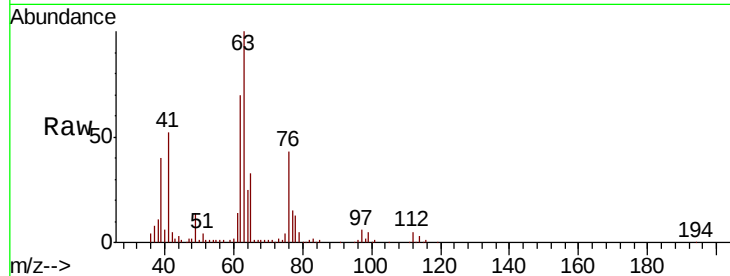
VSTDIC020

Tgt Ion: 63 Resp: 57764

Ion Ratio Lower Upper

63 100

65 32.8 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

30000

25000

20000

15000

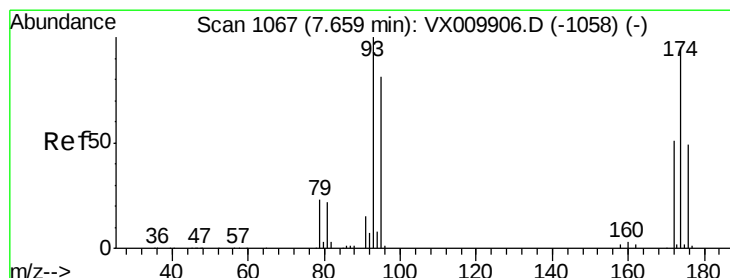
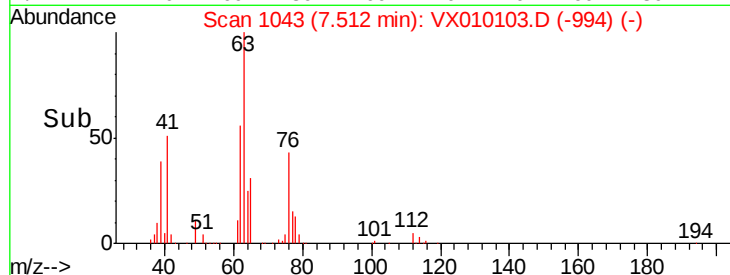
10000

5000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 19.995 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

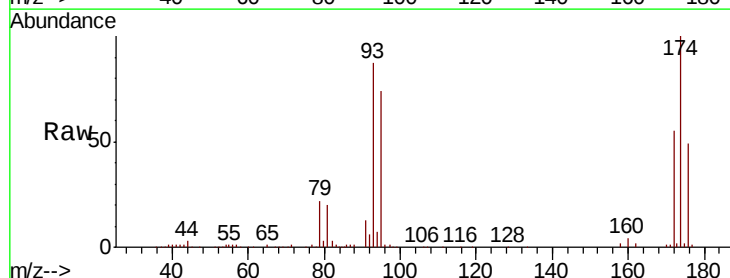
Tgt Ion: 93 Resp: 42570

Ion Ratio Lower Upper

93 100

95 83.7 66.8 100.2

174 115.0 81.9 122.9



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

30000

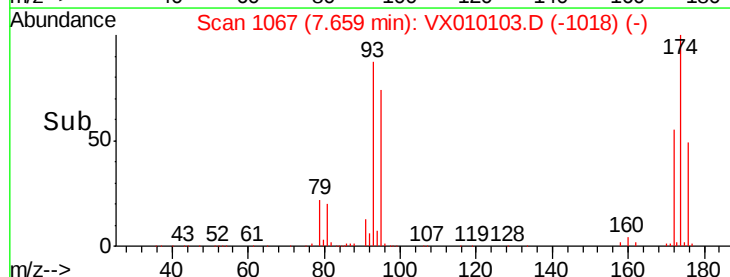
20000

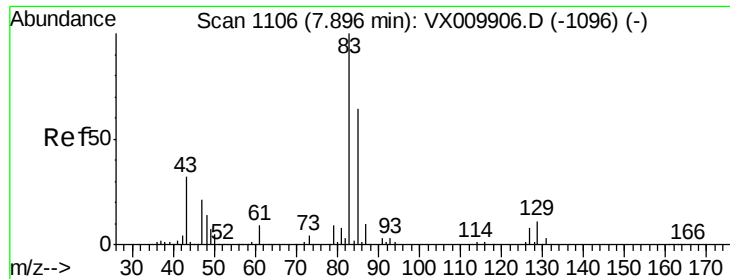
10000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 19.592 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

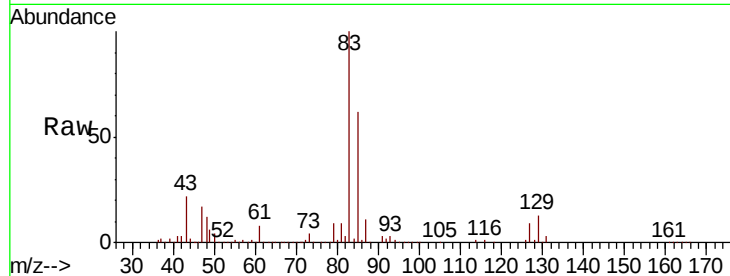
Tgt Ion: 83 Resp: 81346

Ion Ratio Lower Upper

83 100

85 62.1 51.4 77.2

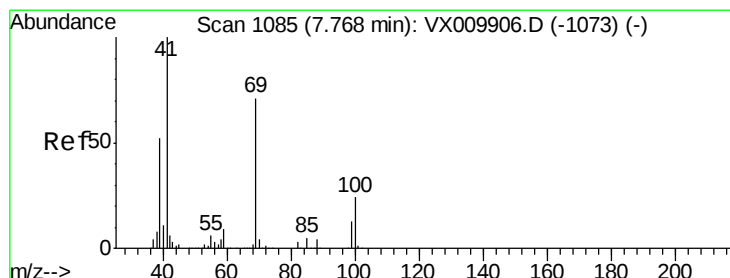
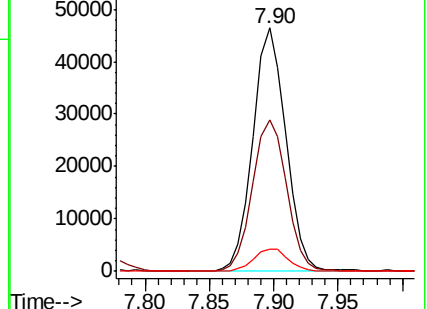
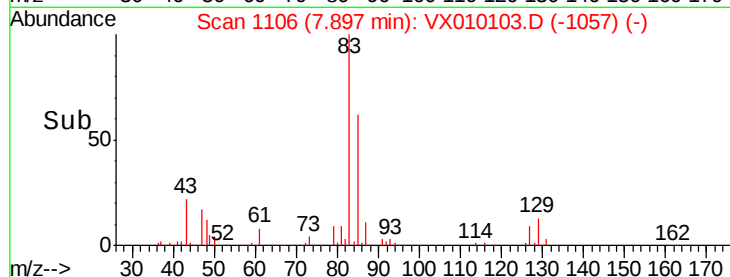
127 8.9 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.423 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

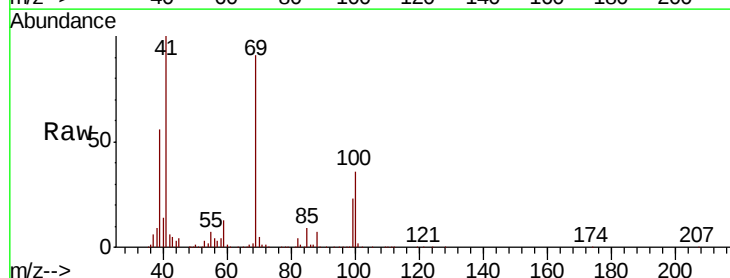
Tgt Ion: 41 Resp: 62057

Ion Ratio Lower Upper

41 100

69 95.2 56.4 84.6#

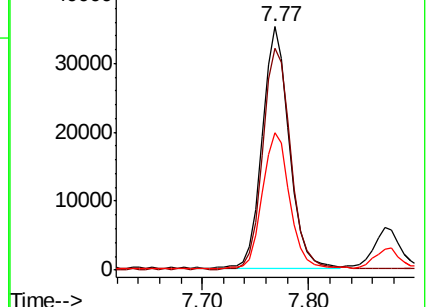
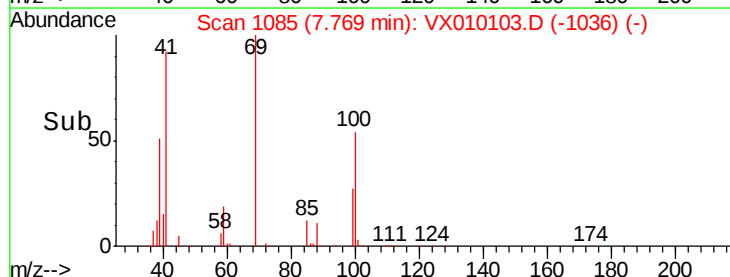
39 57.9 40.6 60.8

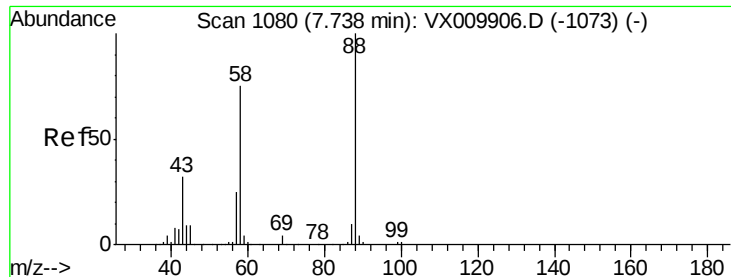


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

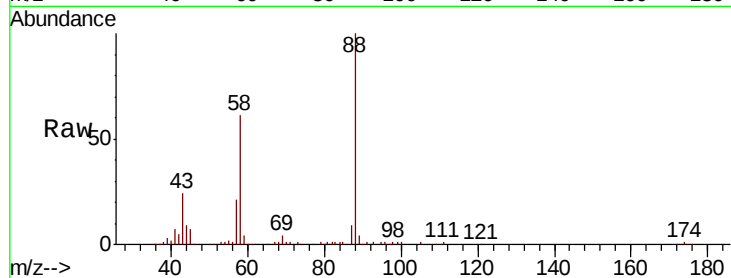




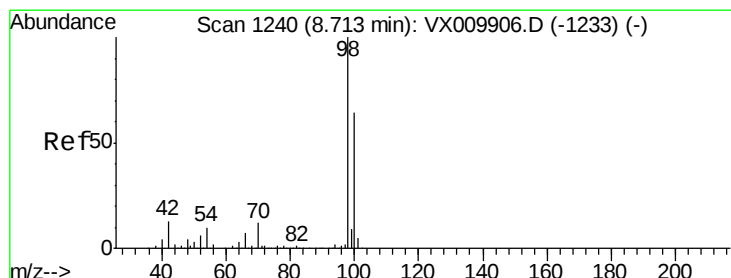
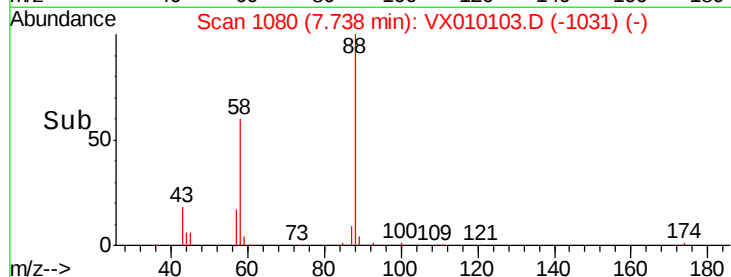
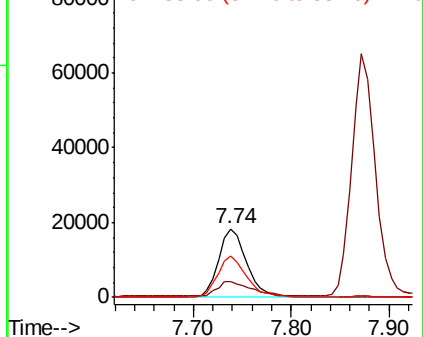
#49  
1,4-Dioxane  
Concen: 416.618 ug/l  
RT: 7.74 min Scan# 1080  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

Tgt Ion: 88 Resp: 36606  
Ion Ratio Lower Upper  
88 100  
43 26.2 30.2 45.4#  
58 60.2 64.0 96.0#

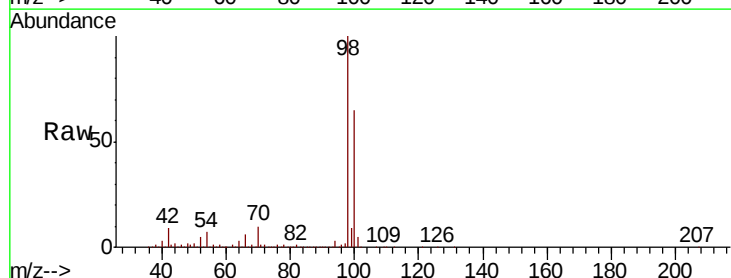


Abundance Ion 88.00 (87.70 to 88.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0

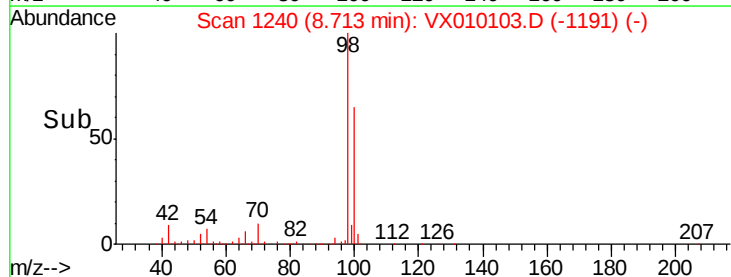
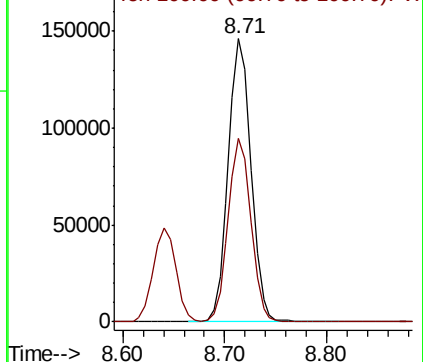


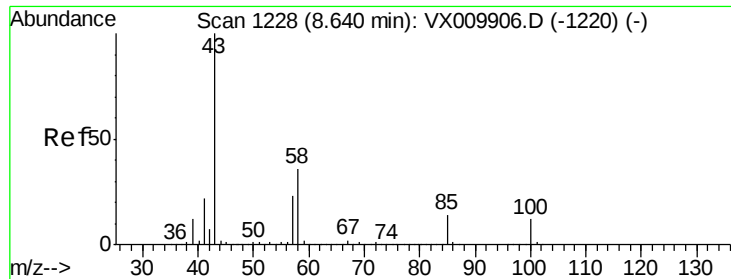
#50  
Toluene-d8  
Concen: 20.336 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion: 98 Resp: 225087  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.5 77.3



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





#51

4-Methyl-2-Pentanone

Concen: 99.003 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

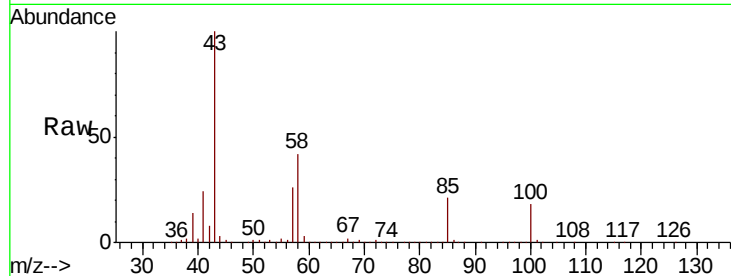
VSTDIC020

Tgt Ion: 43 Resp: 407689

Ion Ratio Lower Upper

43 100

58 42.3 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

150000

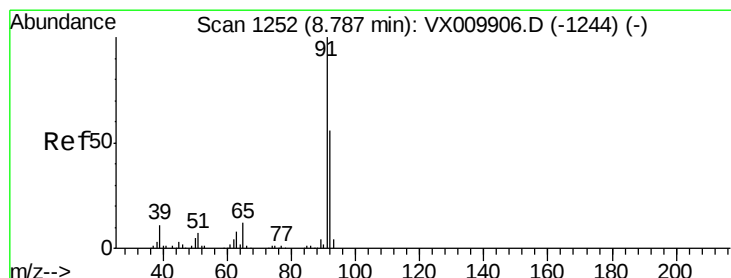
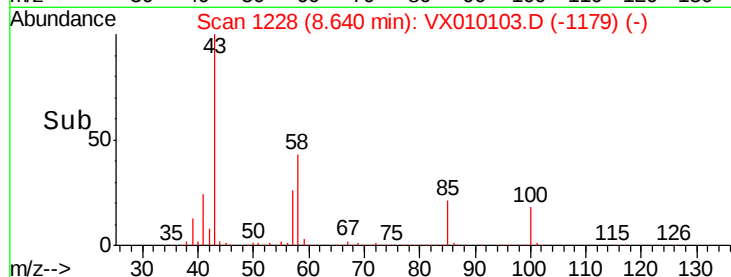
100000

50000

0

Time-->

8.55 8.60 8.65 8.70



#52

Toluene

Concen: 19.656 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010103.D

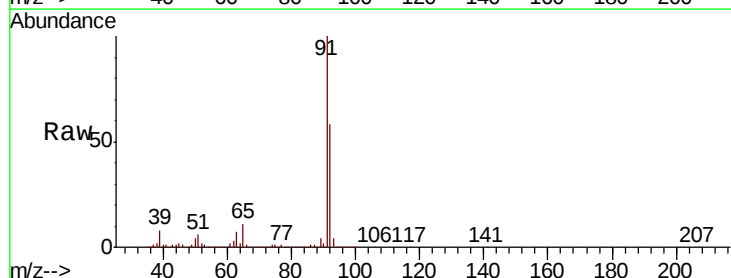
Acq: 07 Jun 2019 12:18

Tgt Ion: 92 Resp: 150697

Ion Ratio Lower Upper

92 100

91 174.5 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

150000

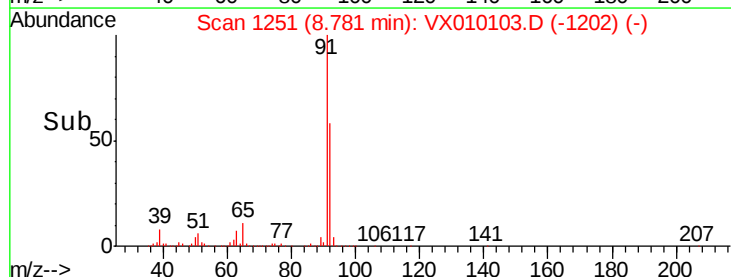
100000

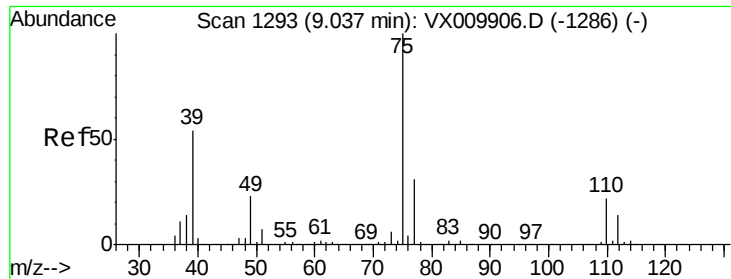
50000

0

Time-->

8.70 8.80 8.90

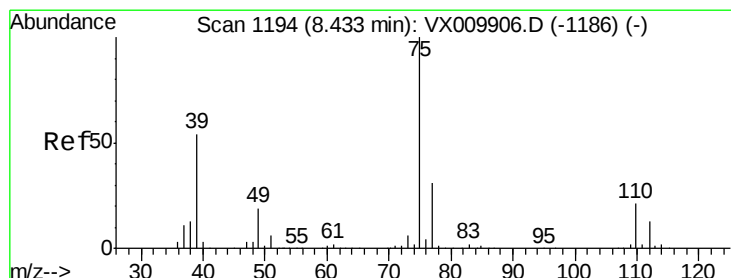
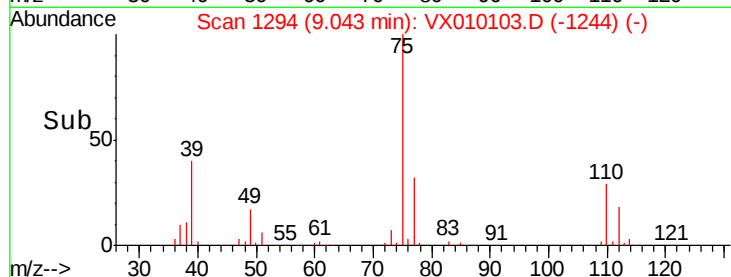
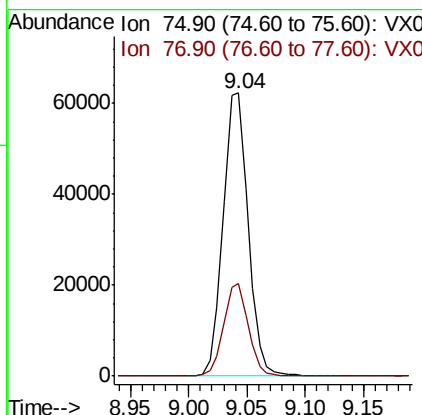
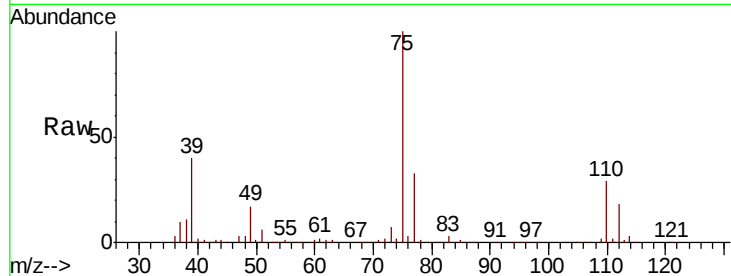




#53  
t-1,3-Dichloropropene  
Concen: 19.251 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. 0.01 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

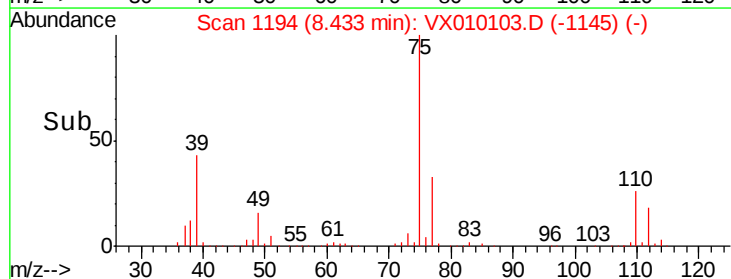
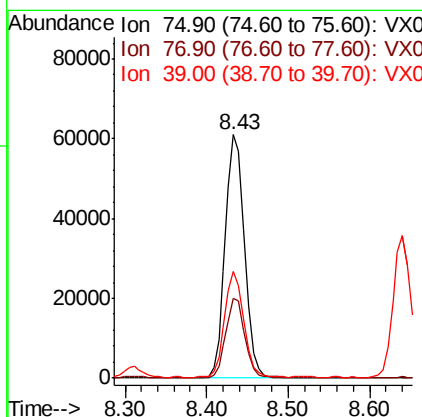
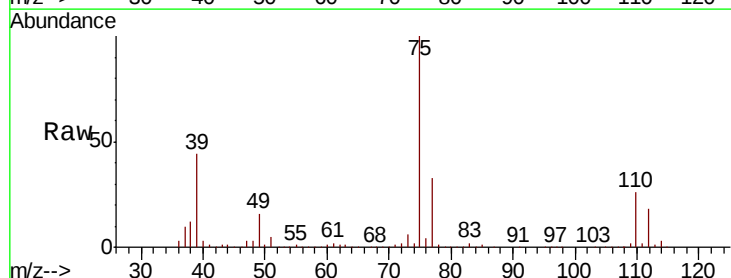
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

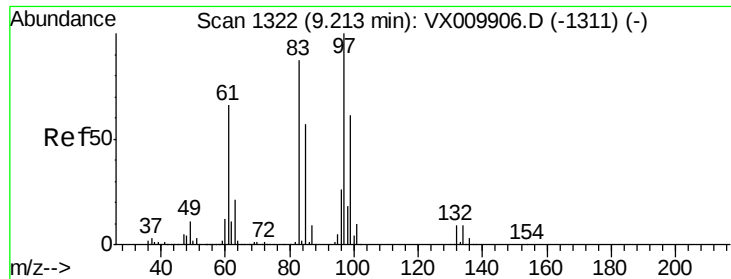
Tgt Ion: 75 Resp: 92835  
Ion Ratio Lower Upper  
75 100  
77 32.5 24.6 36.8



#54  
cis-1,3-Dichloropropene  
Concen: 19.503 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion: 75 Resp: 99744  
Ion Ratio Lower Upper  
75 100  
77 32.8 24.8 37.2  
39 43.6 43.4 65.0

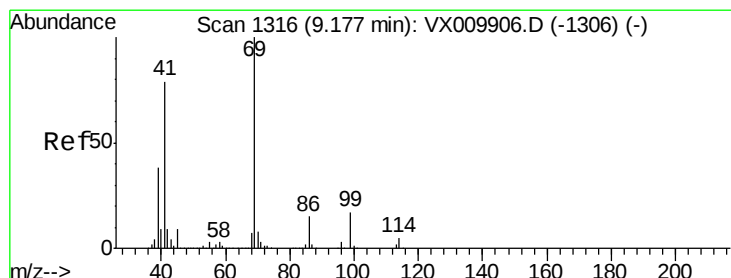
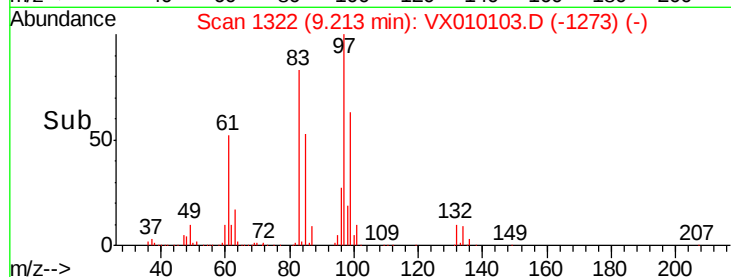
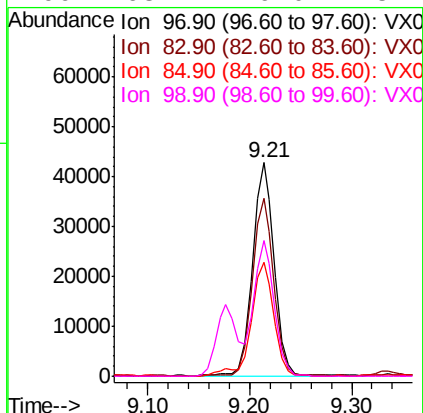
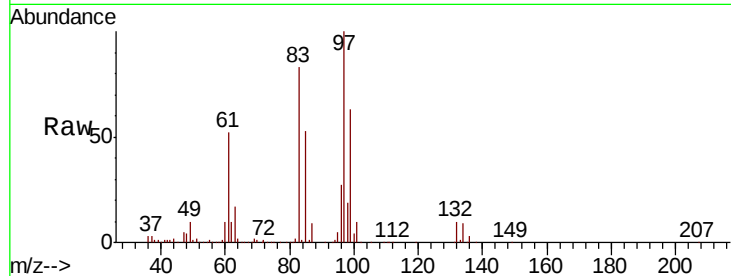




#55  
 1,1,2-Trichloroethane  
 Concen: 19.517 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

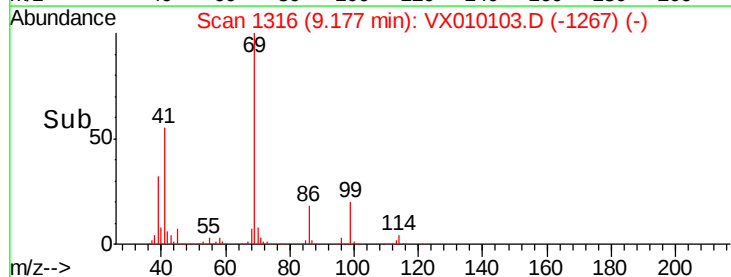
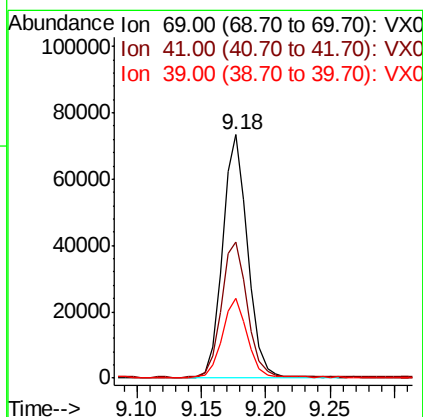
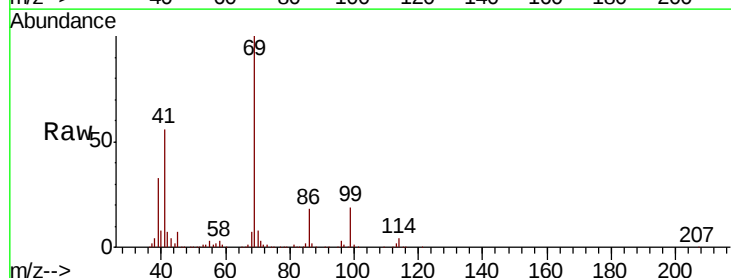
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

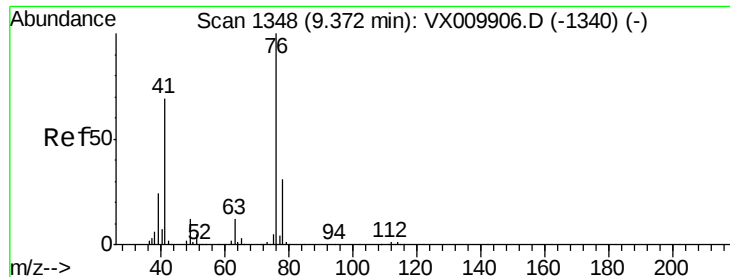
Tgt Ion: 97 Resp: 62632  
 Ion Ratio Lower Upper  
 97 100  
 83 83.1 69.8 104.8  
 85 53.3 45.3 67.9  
 99 63.4 49.0 73.4



#56  
 Ethyl methacrylate  
 Concen: 19.470 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

Tgt Ion: 69 Resp: 100095  
 Ion Ratio Lower Upper  
 69 100  
 41 57.5 62.7 94.1#  
 39 32.4 29.5 44.3

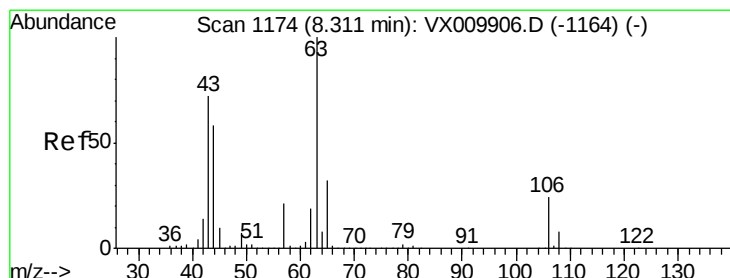
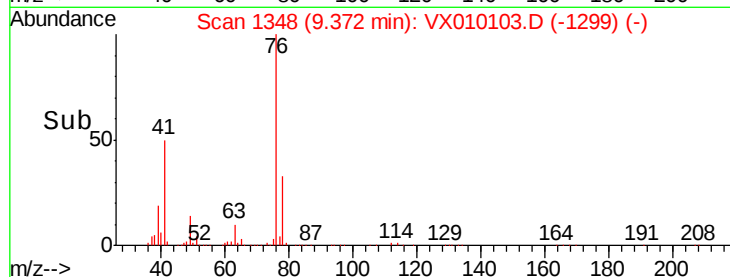
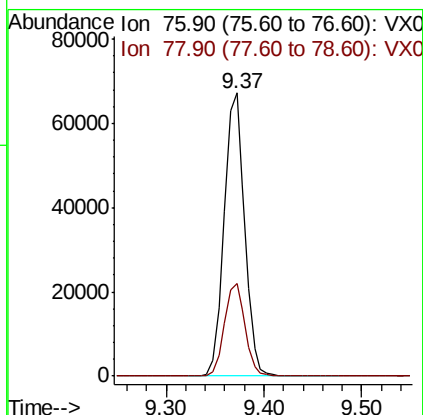
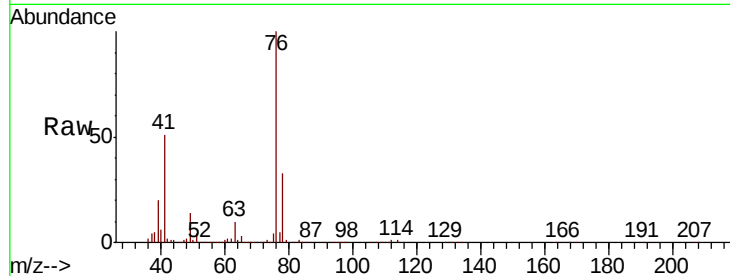




#57  
 1,3-Dichloropropane  
 Concen: 19.579 ug/l  
 RT: 9.37 min Scan# 1348  
 Delta R.T. -0.00 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

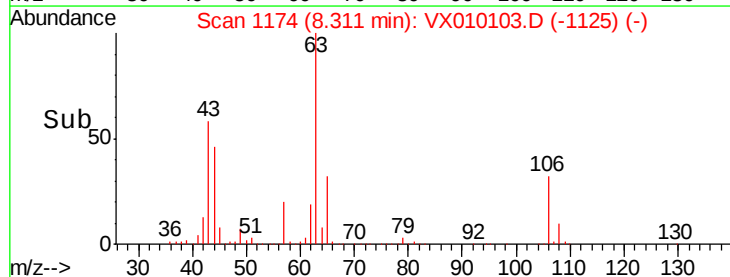
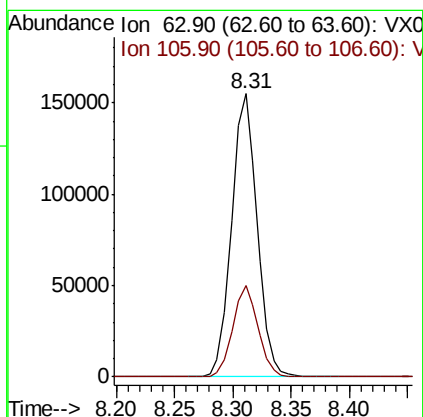
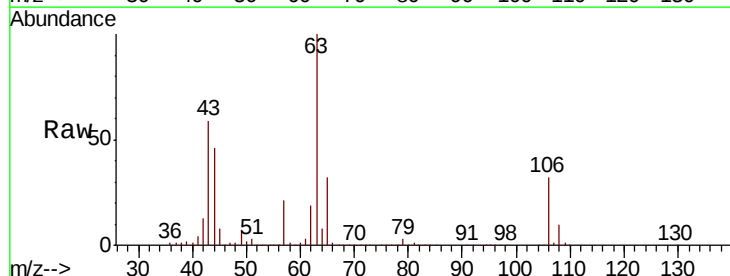
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

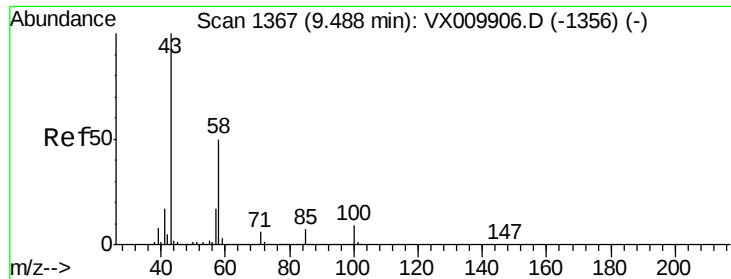
Tgt Ion: 76 Resp: 97545  
 Ion Ratio Lower Upper  
 76 100  
 78 32.8 25.4 38.0



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 96.805 ug/l  
 RT: 8.31 min Scan# 1174  
 Delta R.T. -0.00 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

Tgt Ion: 63 Resp: 237535  
 Ion Ratio Lower Upper  
 63 100  
 106 32.1 19.4 29.2#

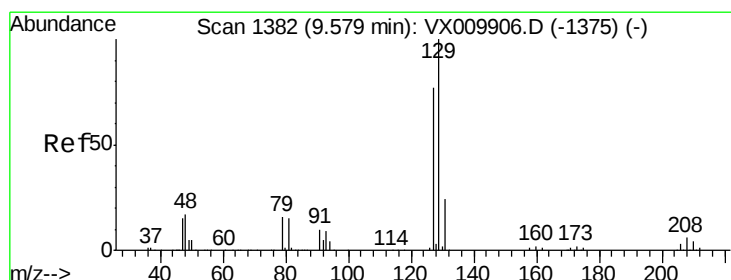
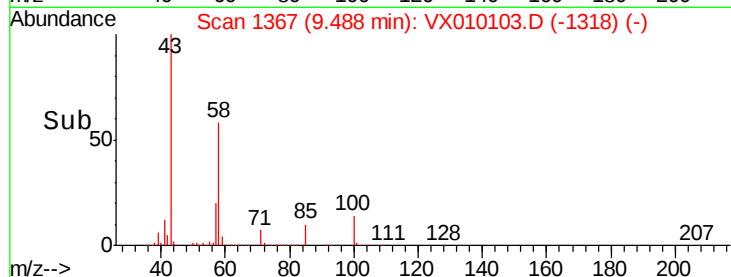
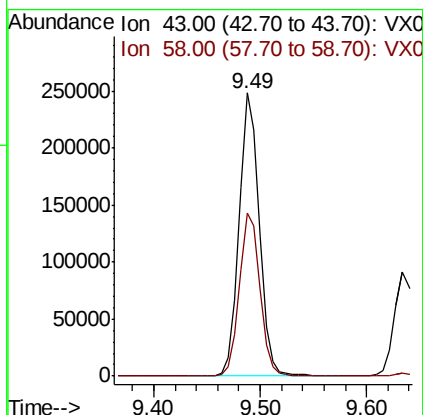
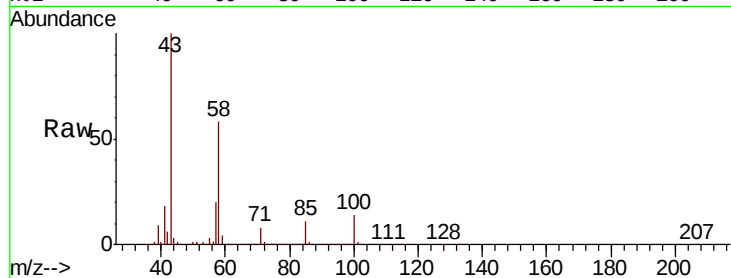




#59  
2-Hexanone  
Concen: 101.322 ug/l  
RT: 9.49 min Scan# 1367  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

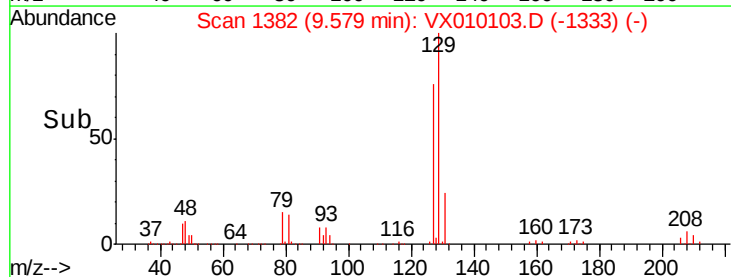
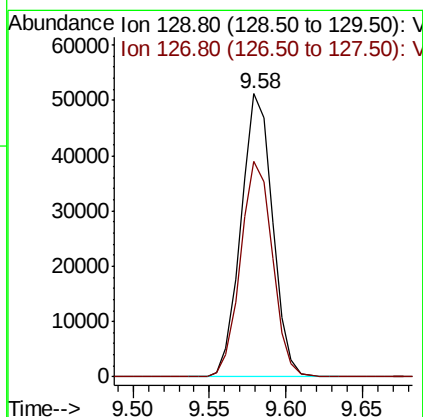
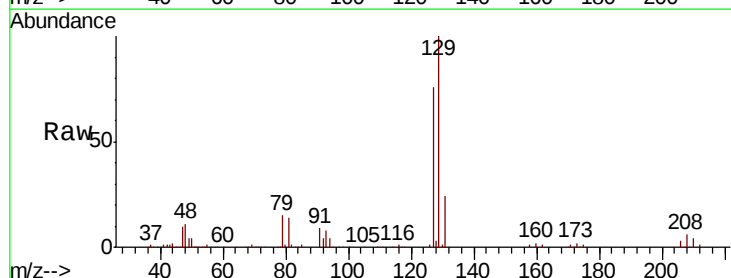
Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC020

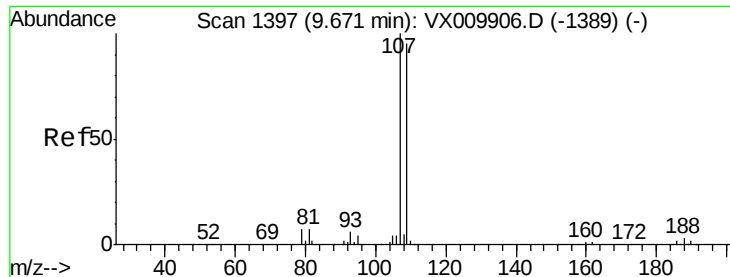
Tgt Ion: 43 Resp: 330161  
Ion Ratio Lower Upper  
43 100  
58 58.8 25.1 75.3



#60  
Dibromochloromethane  
Concen: 19.358 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion: 129 Resp: 73466  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.516 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

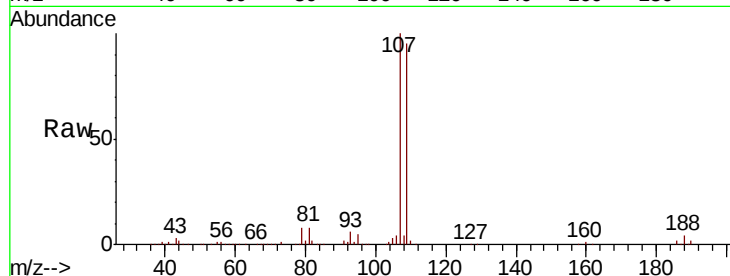
VSTDIC020

Tgt Ion:107 Resp: 68702

Ion Ratio Lower Upper

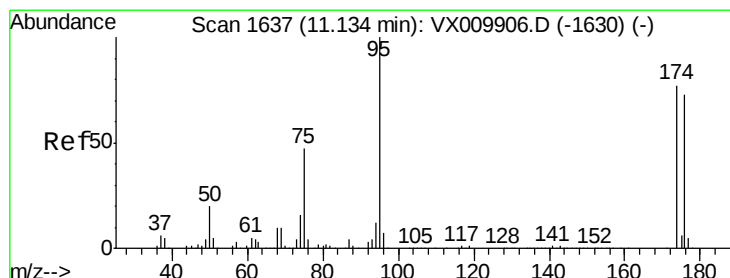
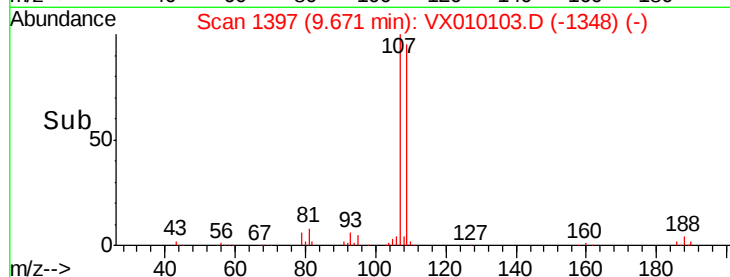
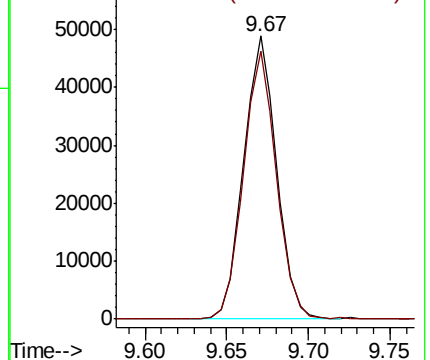
107 100

109 95.1 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.349 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

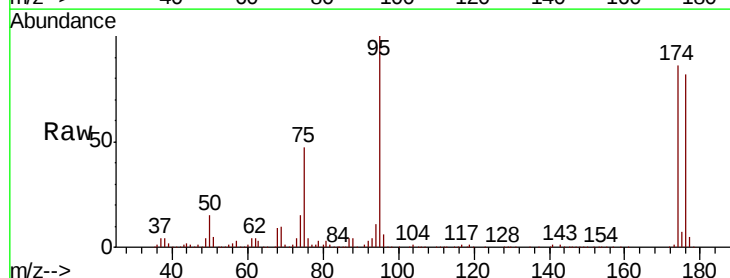
Tgt Ion: 95 Resp: 84300

Ion Ratio Lower Upper

95 100

174 88.0 0.0 160.4

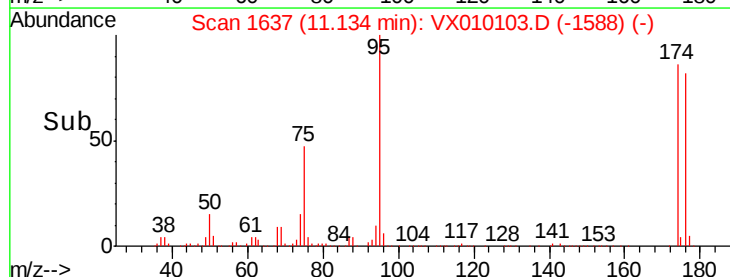
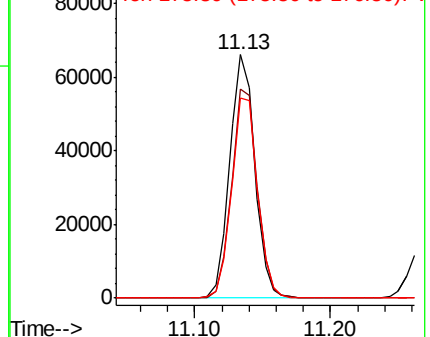
176 85.4 0.0 154.6

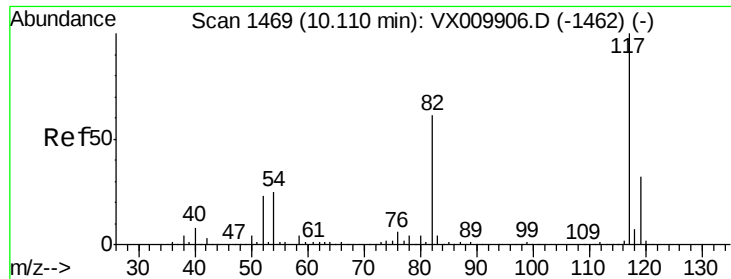


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

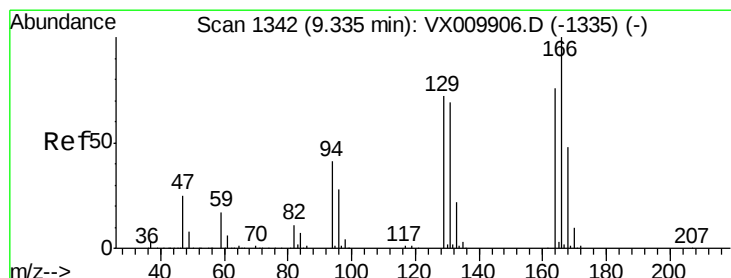
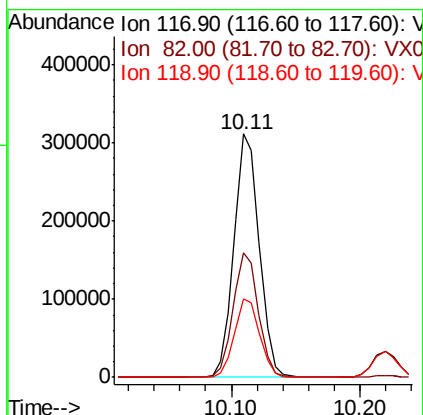
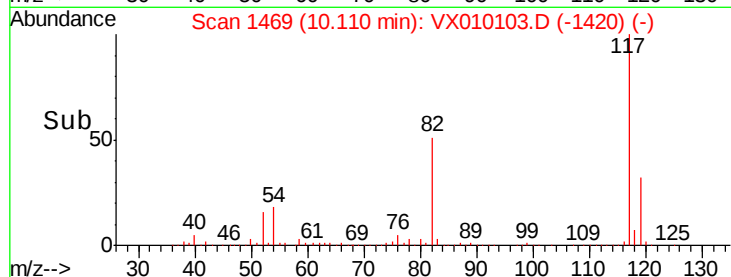
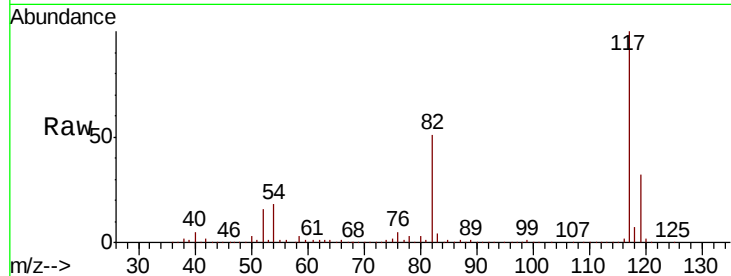




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

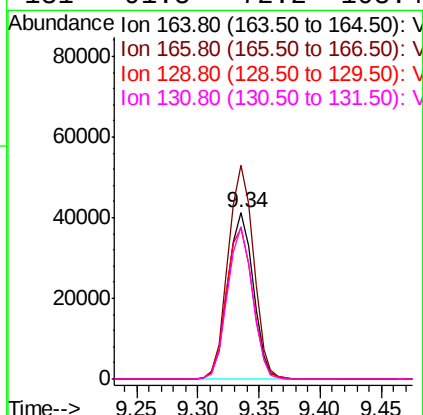
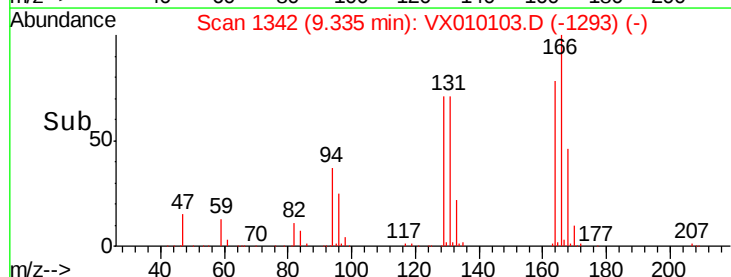
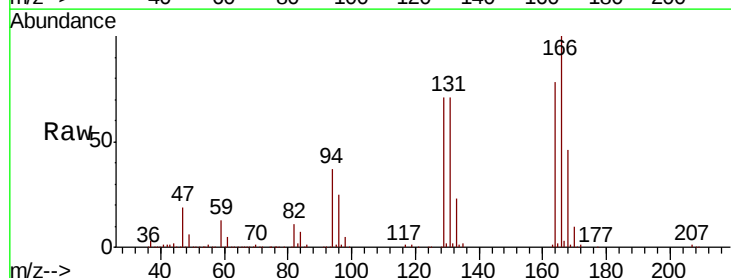
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

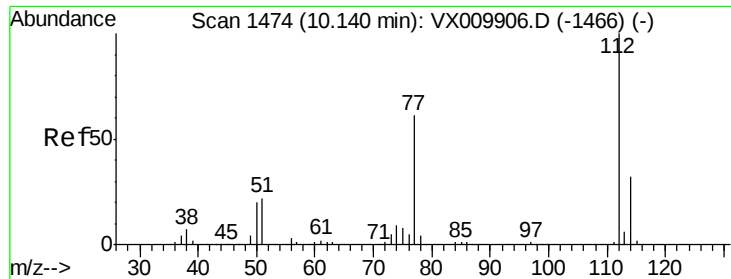
Tgt Ion:117 Resp: 426695  
Ion Ratio Lower Upper  
117 100  
82 51.2 49.2 73.8  
119 32.1 25.2 37.8



#64  
Tetrachloroethene  
Concen: 20.090 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion:164 Resp: 59642  
Ion Ratio Lower Upper  
164 100  
166 128.6 105.0 157.4  
129 90.8 75.1 112.7  
131 91.5 72.2 108.4

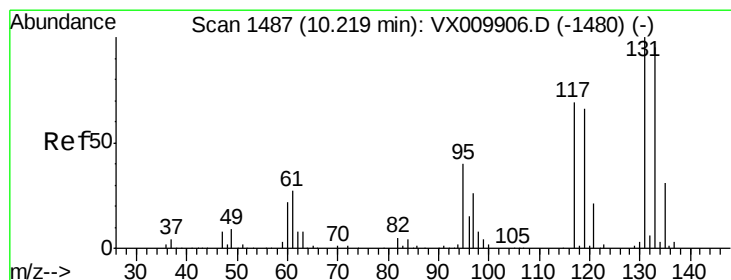
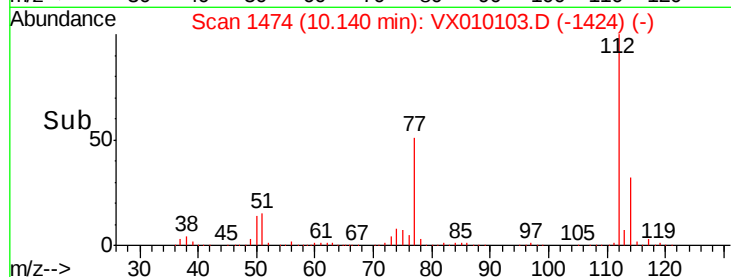
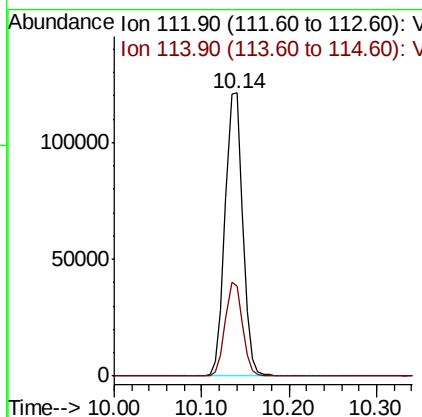
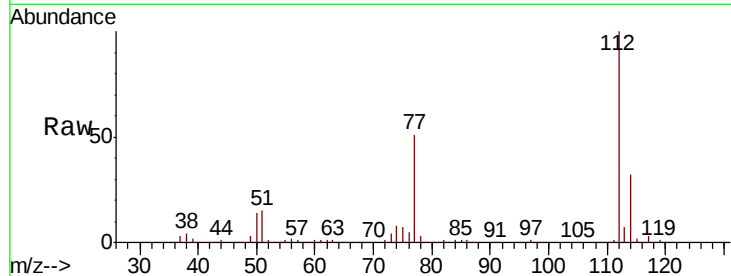




#65  
Chlorobenzene  
Concen: 19.968 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. 0.01 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

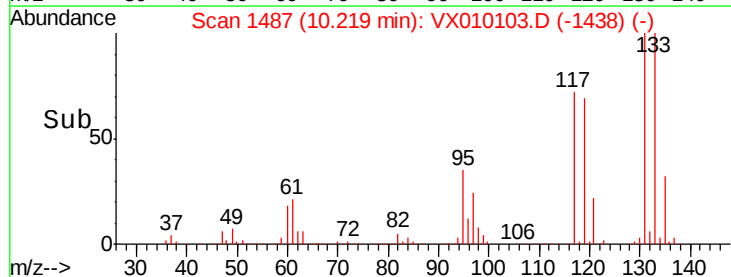
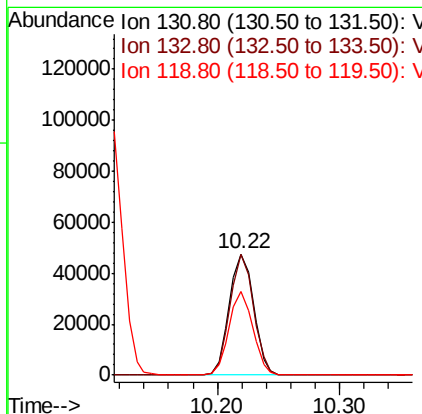
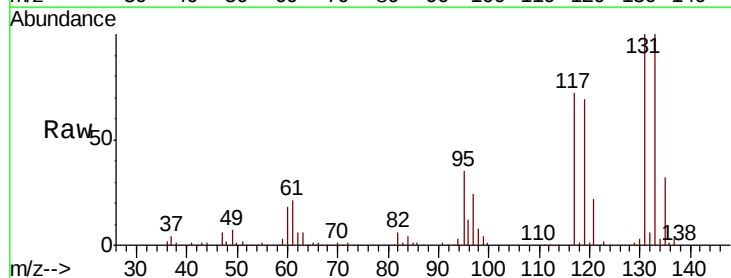
Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC020

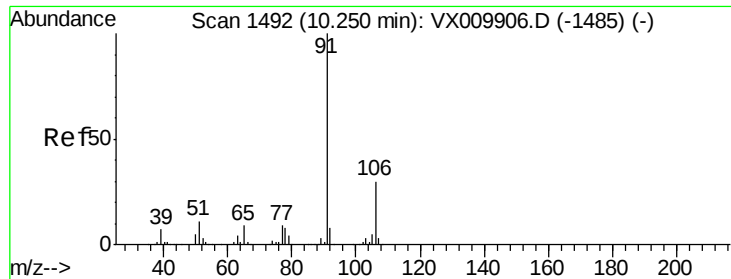
Tgt Ion:112 Resp: 169769  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.039 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion:131 Resp: 65650  
Ion Ratio Lower Upper  
131 100  
133 96.8 47.5 142.6  
119 68.0 33.4 100.1

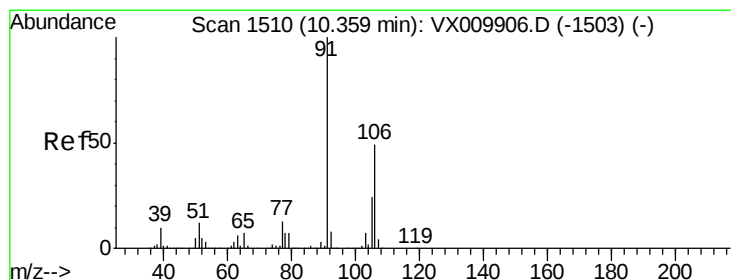
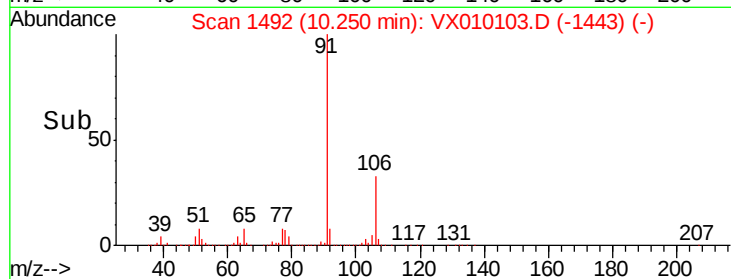
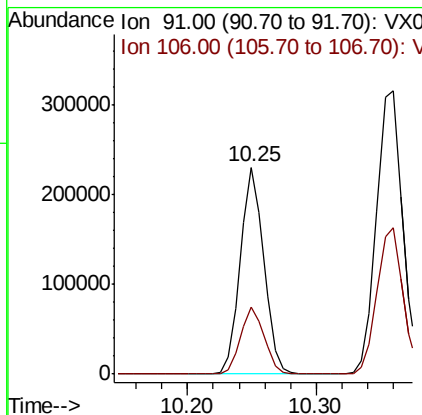
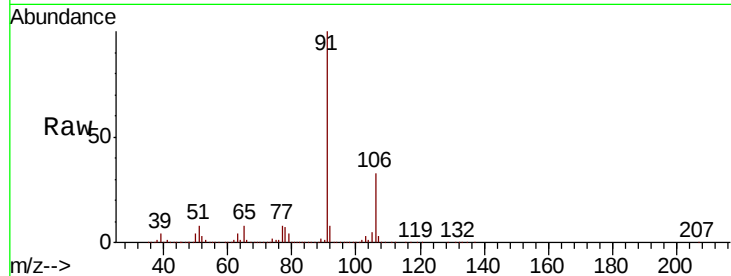




#67  
Ethyl Benzene  
Concen: 20.131 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

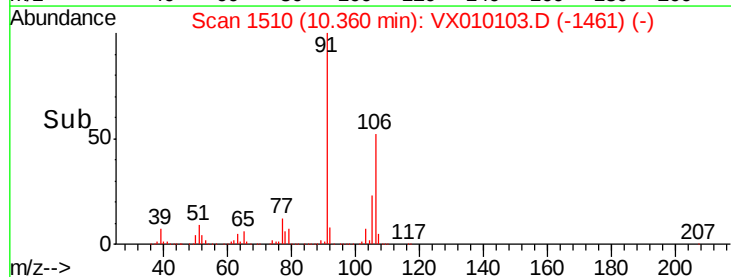
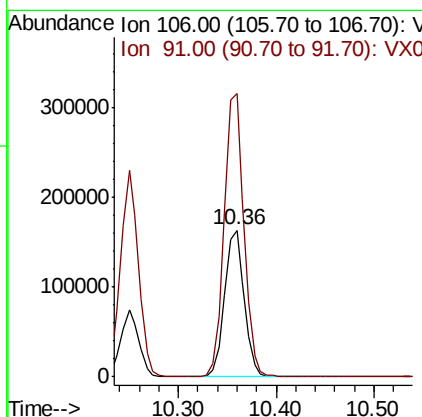
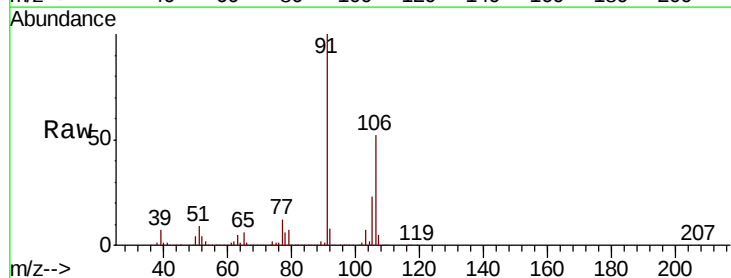
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

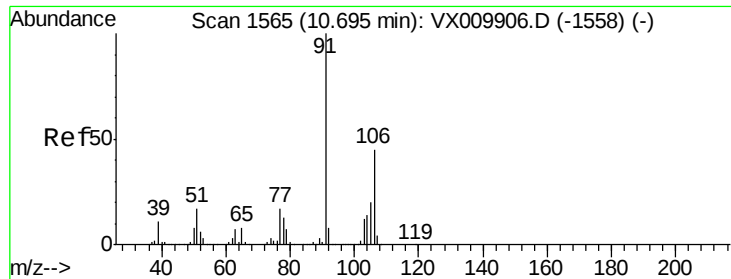
Tgt Ion: 91 Resp: 291753  
Ion Ratio Lower Upper  
91 100  
106 32.6 23.9 35.9



#68  
m/p-Xylenes  
Concen: 40.633 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion: 106 Resp: 227909  
Ion Ratio Lower Upper  
106 100  
91 194.1 167.3 250.9

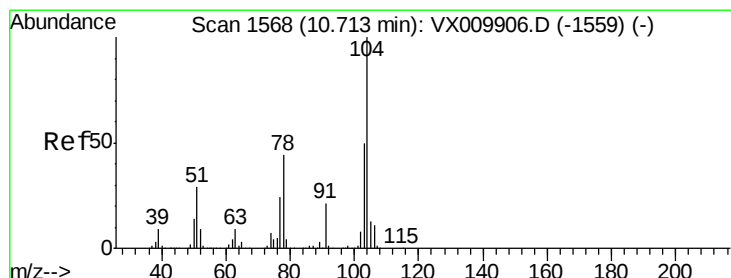
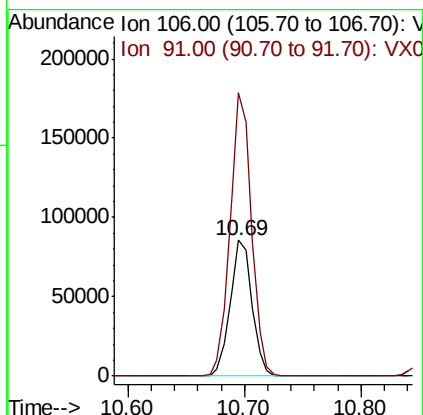
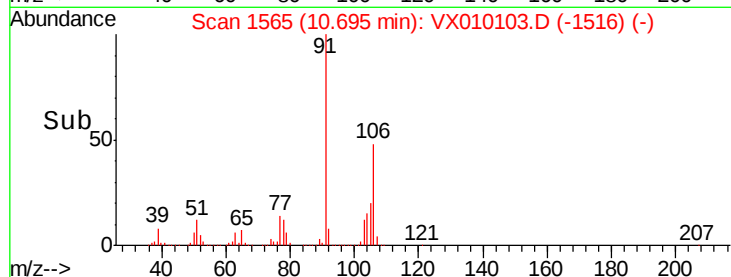
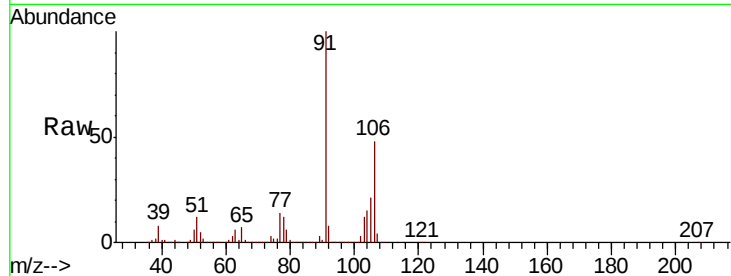




#69  
o-Xylene  
Concen: 20.284 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

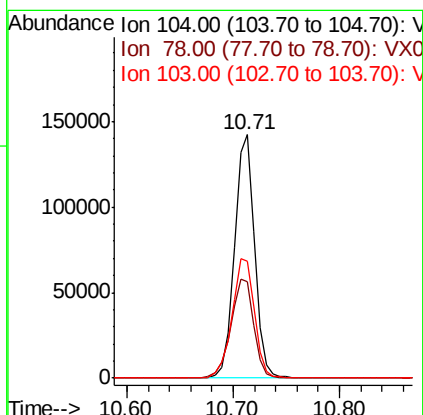
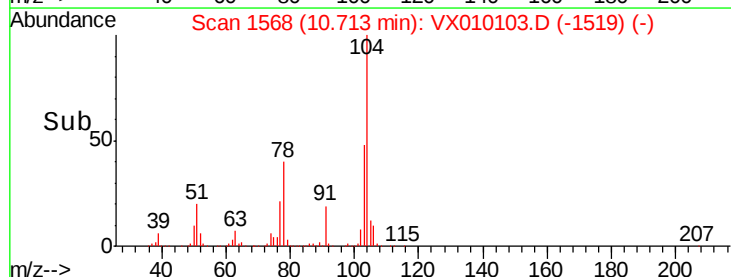
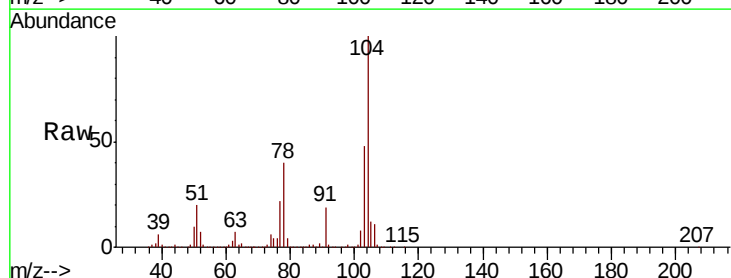
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

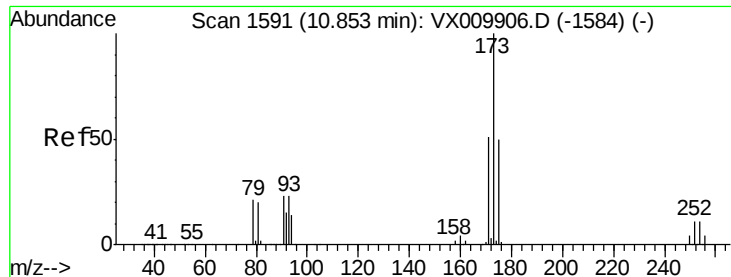
Tgt Ion:106 Resp: 111882  
Ion Ratio Lower Upper  
106 100  
91 204.0 110.4 331.2



#70  
Styrene  
Concen: 19.649 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion:104 Resp: 188363  
Ion Ratio Lower Upper  
104 100  
78 46.4 42.1 63.1  
103 55.1 44.1 66.1





#71

Bromoform

Concen: 19.840 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

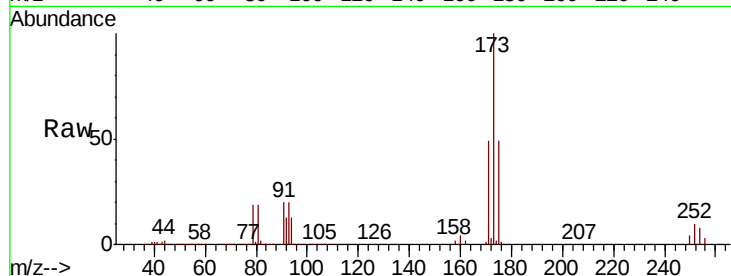
Tgt Ion:173 Resp: 60305

Ion Ratio Lower Upper

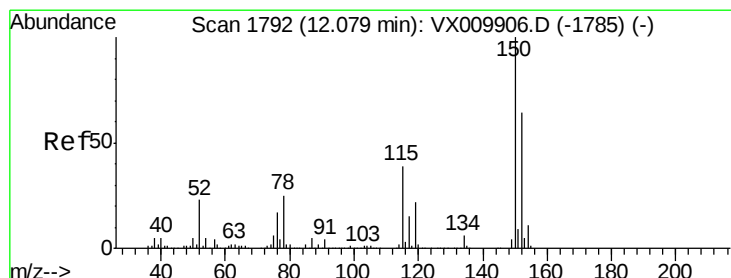
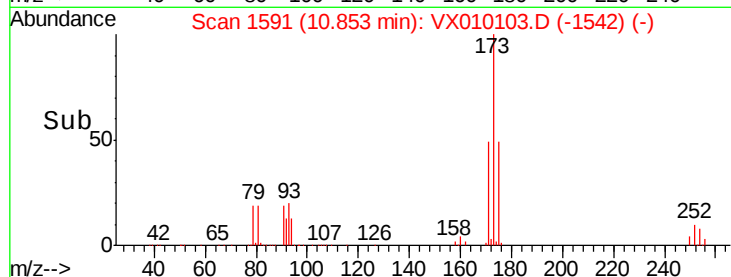
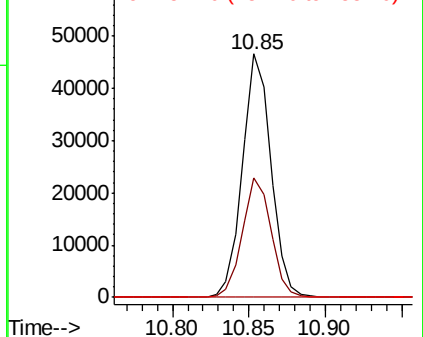
173 100

175 49.5 25.0 75.0

254 0.0 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: VX010103.D

Acq: 07 Jun 2019 12:18

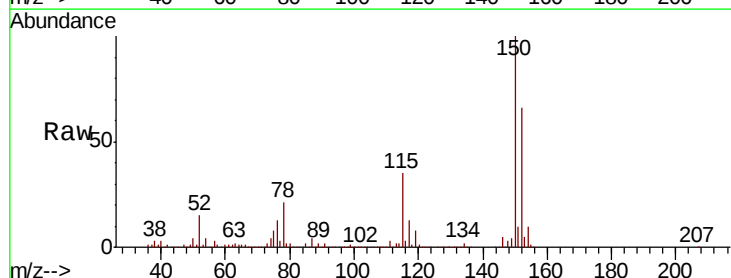
Tgt Ion:152 Resp: 216290

Ion Ratio Lower Upper

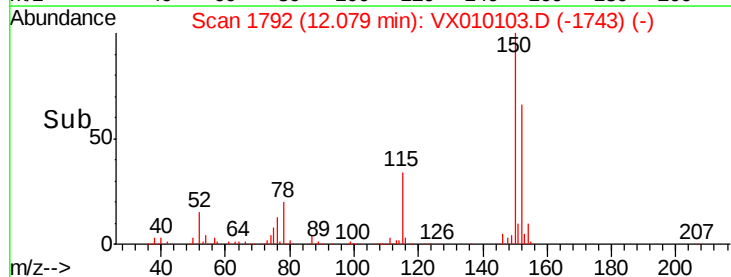
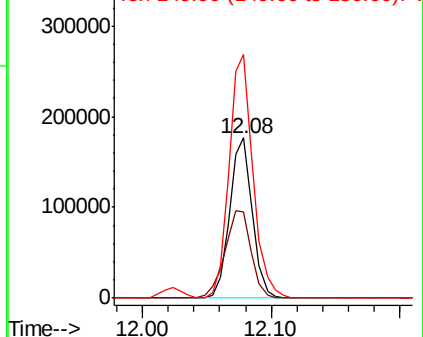
152 100

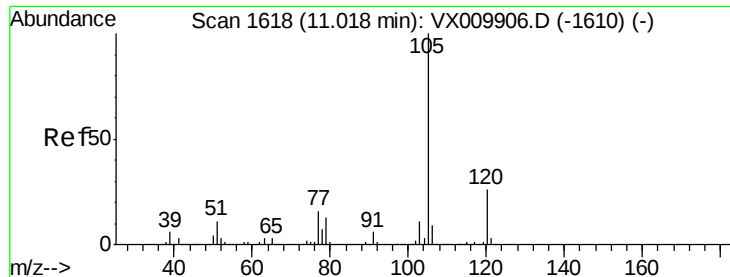
115 63.5 41.4 124.2

150 161.0 0.0 345.2



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





#73

Isopropylbenzene

Concen: 20.063 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

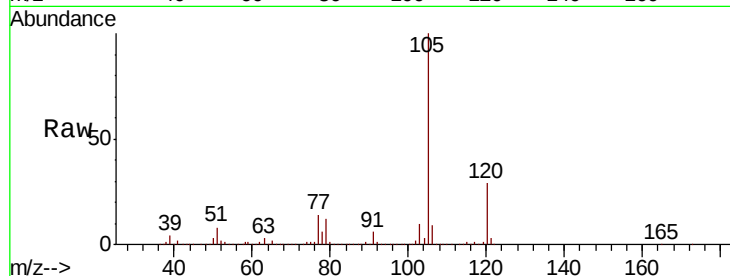
VSTDIC020

Tgt Ion: 105 Resp: 293591

Ion Ratio Lower Upper

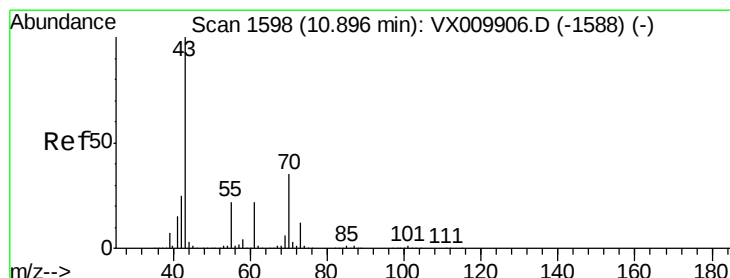
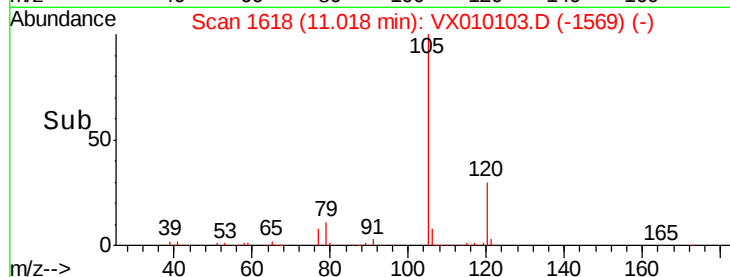
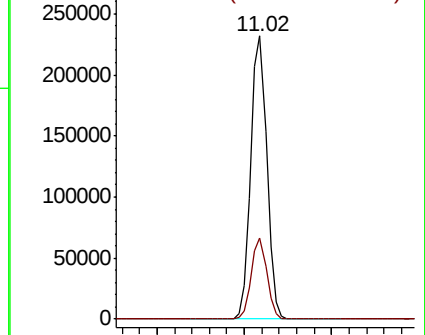
105 100

120 27.8 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.658 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Tgt Ion: 43 Resp: 114783

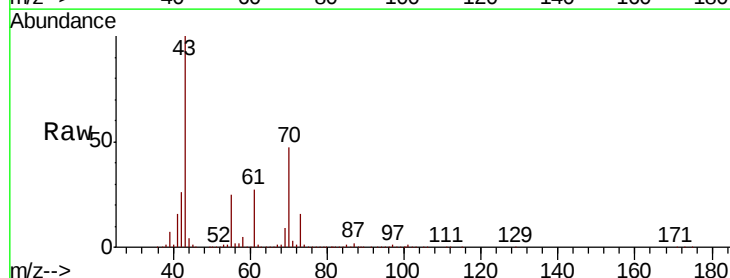
Ion Ratio Lower Upper

43 100

70 47.0 28.6 43.0#

55 24.3 17.8 26.8

61 26.6 17.7 26.5#

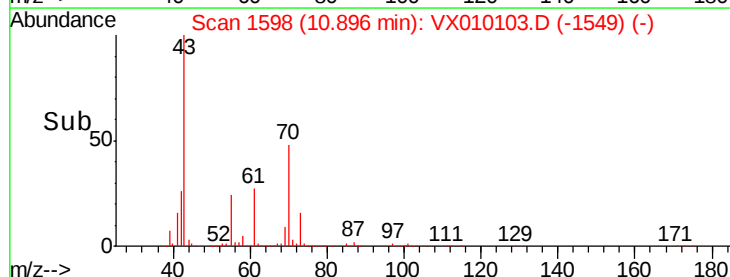
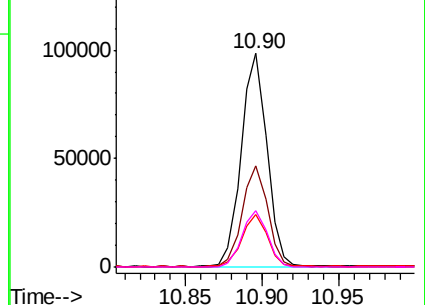


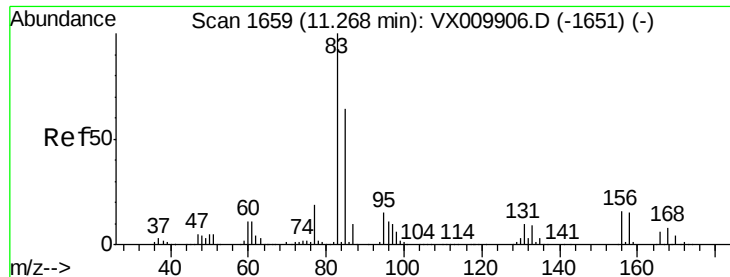
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.365 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

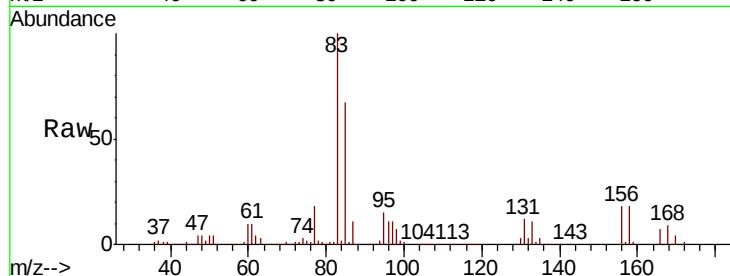
Tgt Ion: 83 Resp: 100889

Ion Ratio Lower Upper

83 100

131 11.0 4.7 14.1

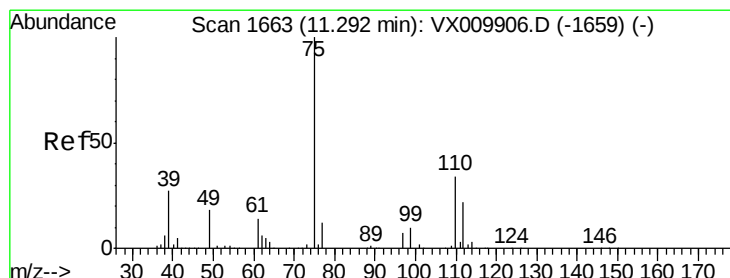
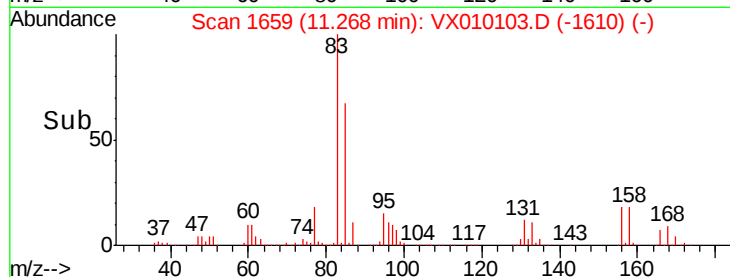
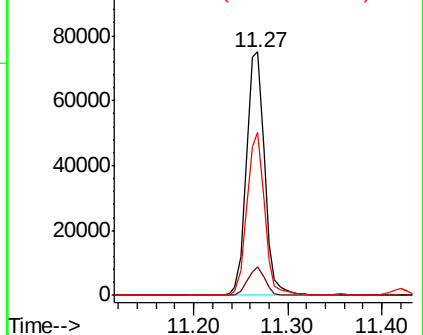
85 65.1 31.9 95.9



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: 28.068 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010103.D

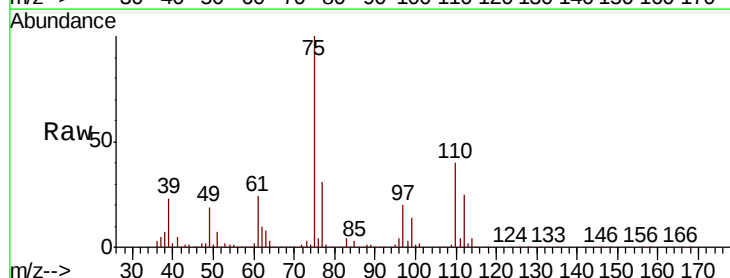
Acq: 07 Jun 2019 12:18

Tgt Ion: 75 Resp: 116120

Ion Ratio Lower Upper

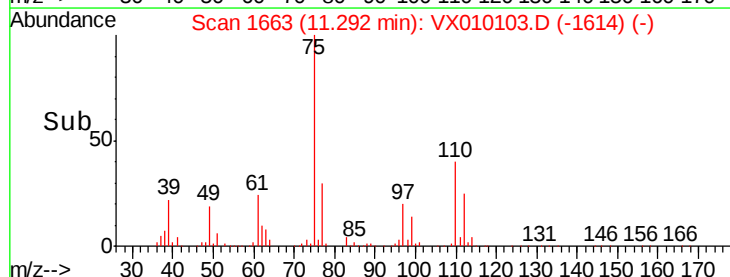
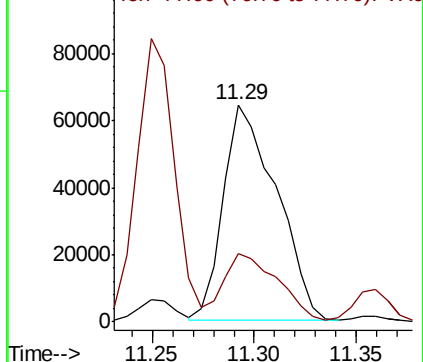
75 100

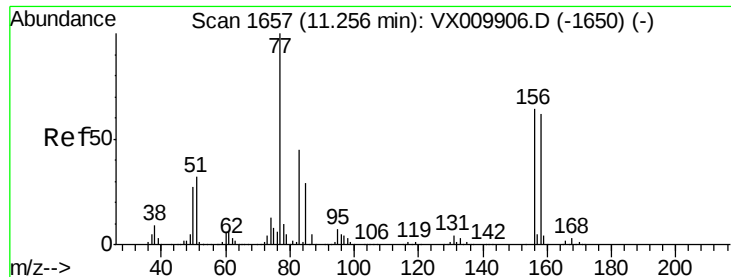
77 32.4 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.692 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

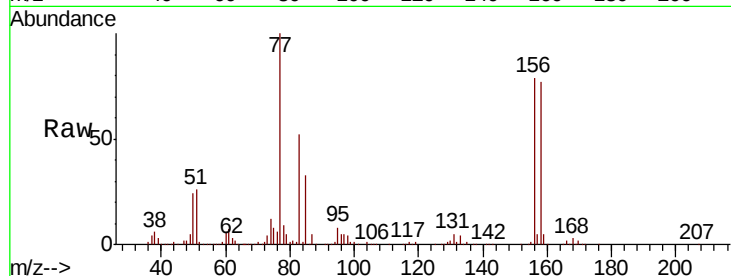
Tgt Ion:156 Resp: 78822

Ion Ratio Lower Upper

156 100

77 136.9 86.8 260.3

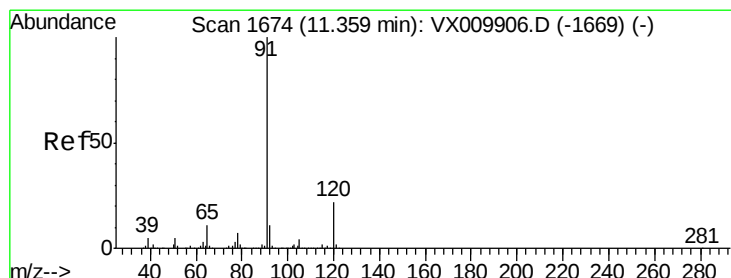
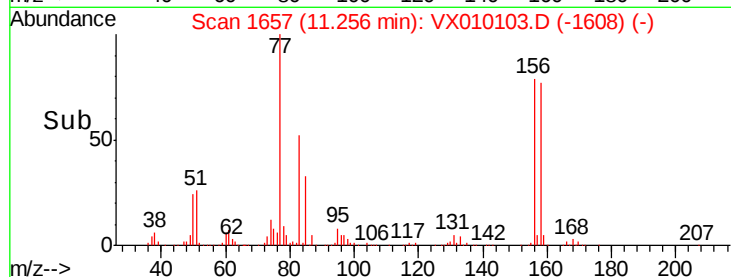
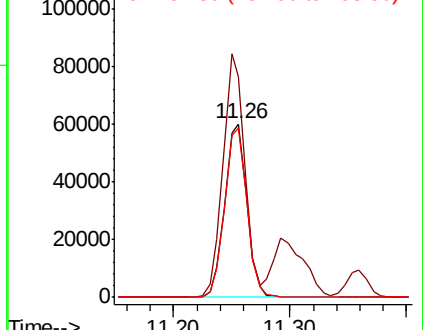
158 98.2 49.6 148.8



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: 19.479 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010103.D

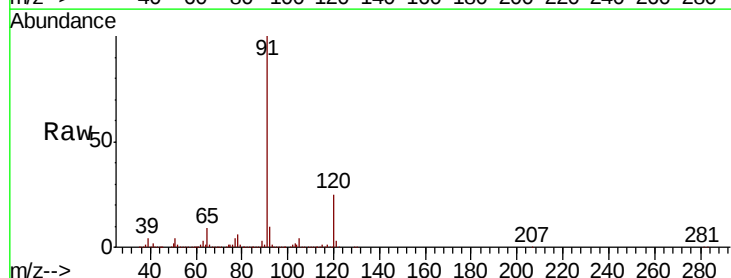
Acq: 07 Jun 2019 12:18

Tgt Ion: 91 Resp: 320177

Ion Ratio Lower Upper

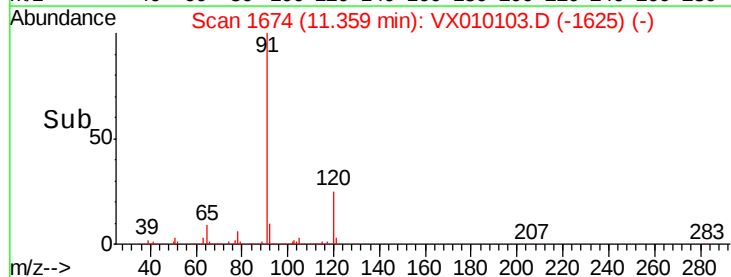
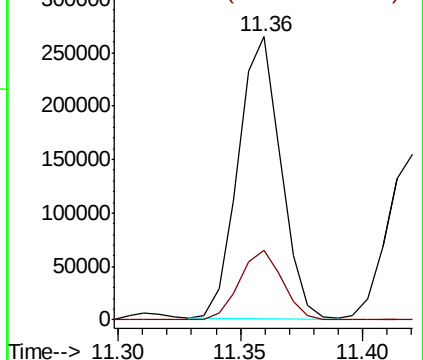
91 100

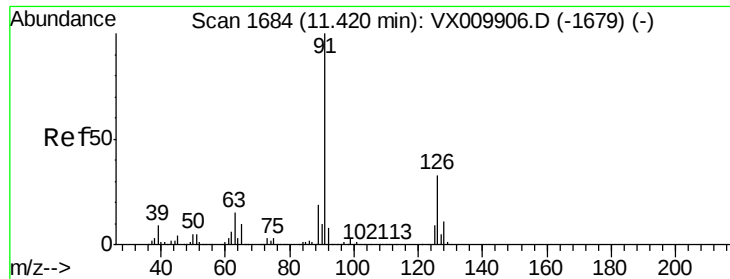
120 24.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.525 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

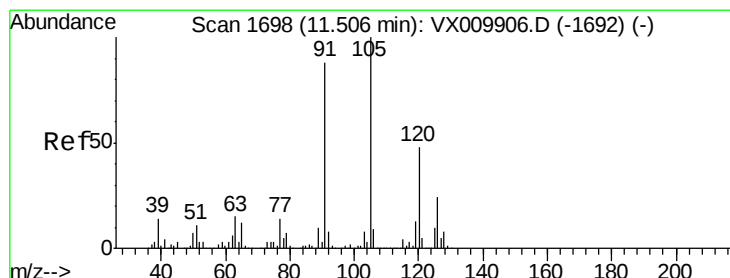
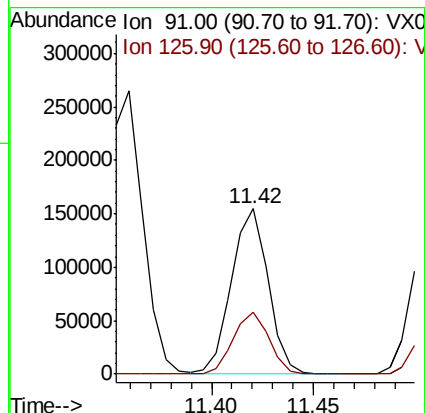
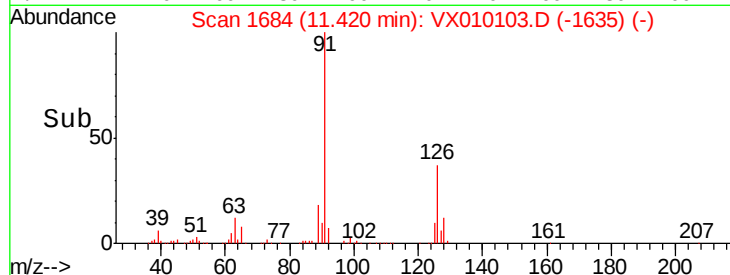
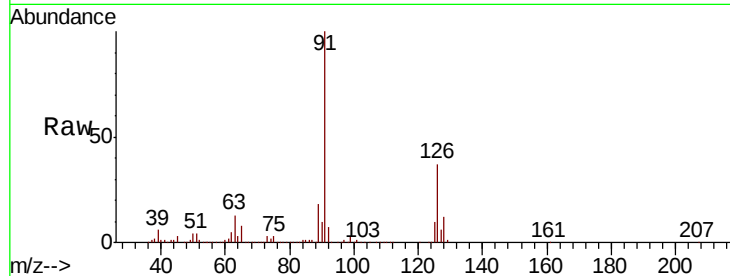
VSTDIC020

Tgt Ion: 91 Resp: 190866

Ion Ratio Lower Upper

91 100

126 37.1 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 19.886 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010103.D

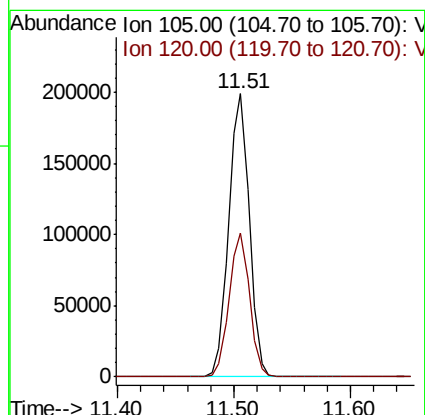
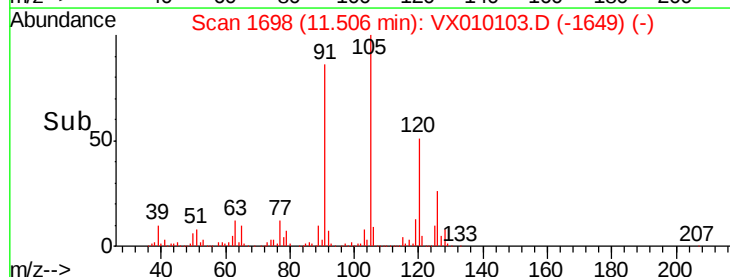
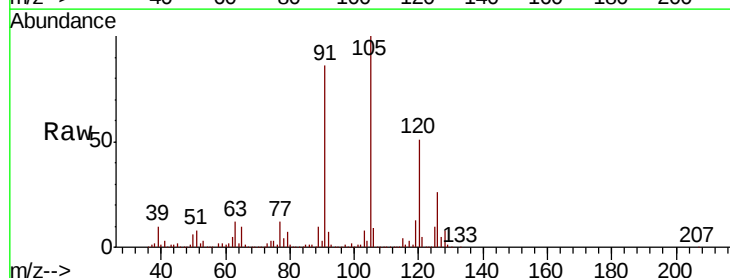
Acq: 07 Jun 2019 12:18

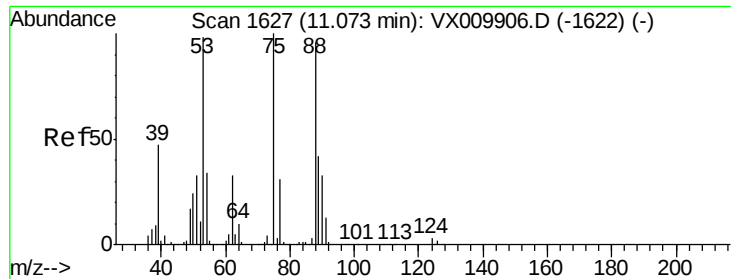
Tgt Ion: 105 Resp: 243473

Ion Ratio Lower Upper

105 100

120 50.5 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.597 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

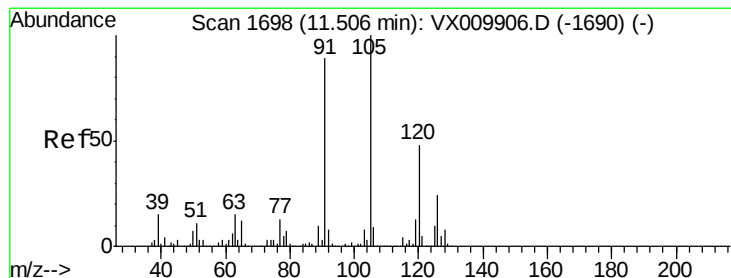
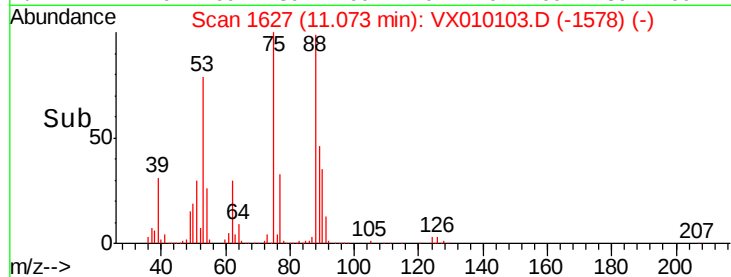
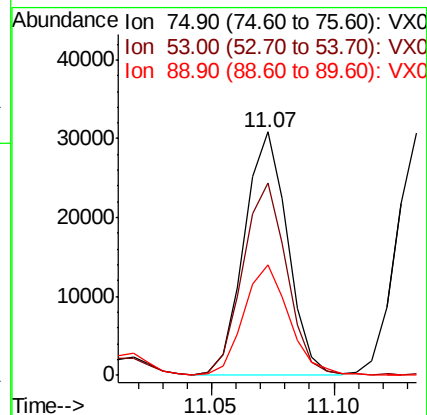
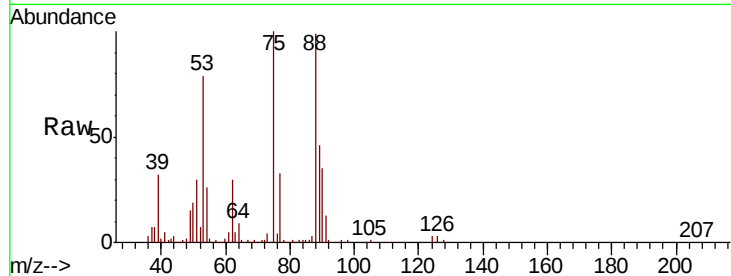
Tgt Ion: 75 Resp: 37799

Ion Ratio Lower Upper

75 100

53 79.7 79.8 119.6#

89 48.3 34.2 51.4



#82

4-Chlorotoluene

Concen: 19.405 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010103.D

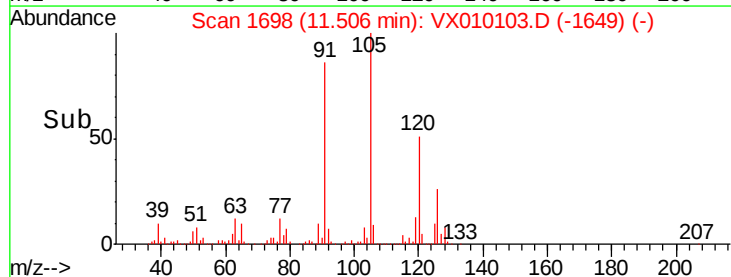
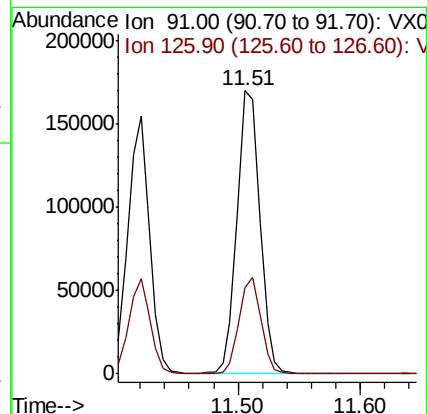
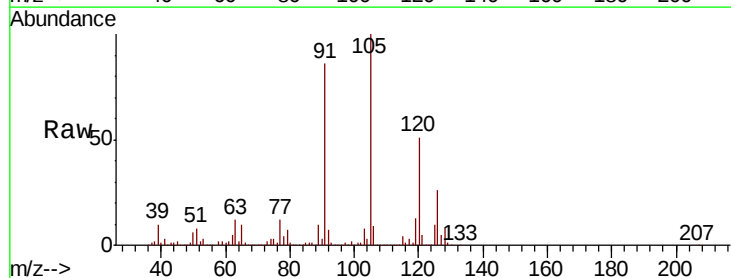
Acq: 07 Jun 2019 12:18

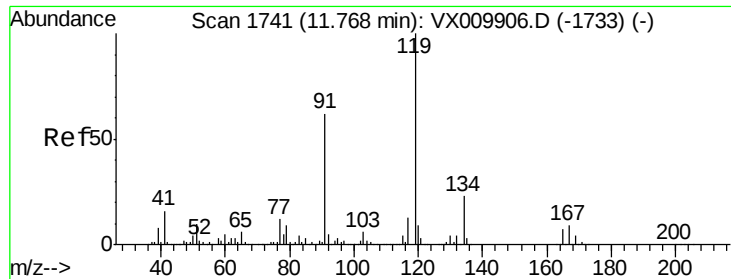
Tgt Ion: 91 Resp: 219353

Ion Ratio Lower Upper

91 100

126 32.7 14.2 42.6

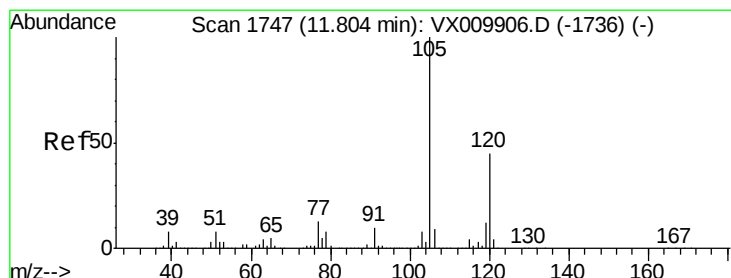
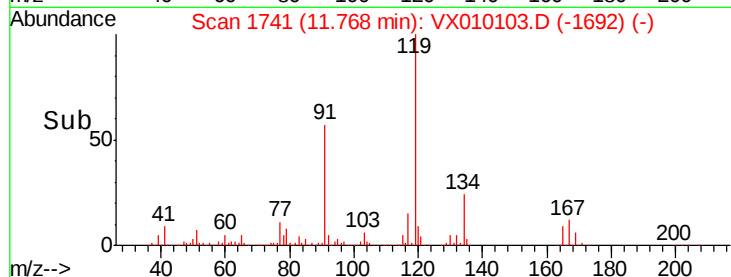
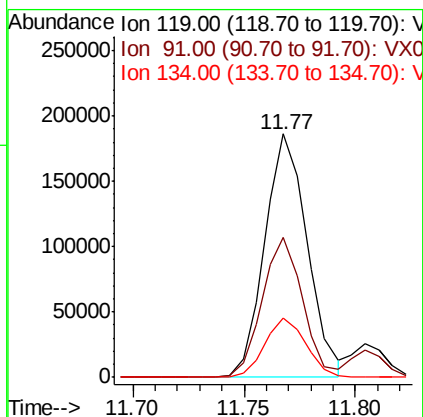
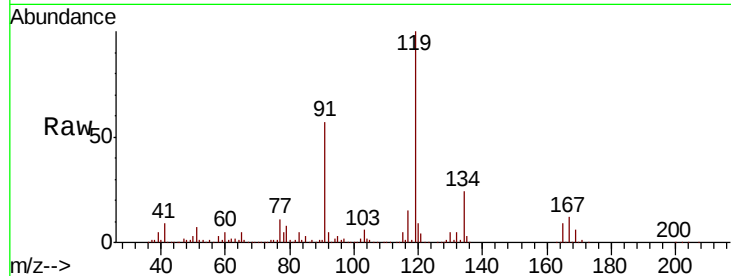




#83  
 tert-Butylbenzene  
 Concen: 19.930 ug/l  
 RT: 11.77 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

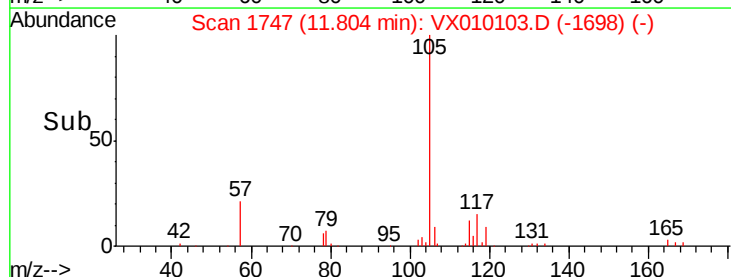
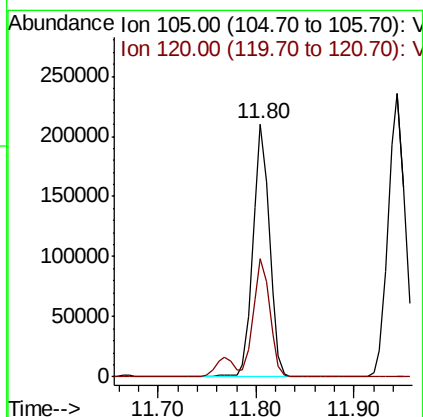
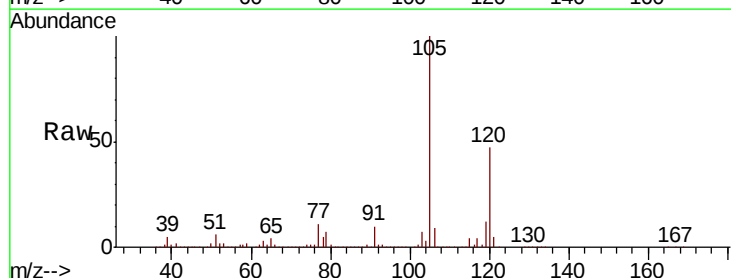
Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDIC020

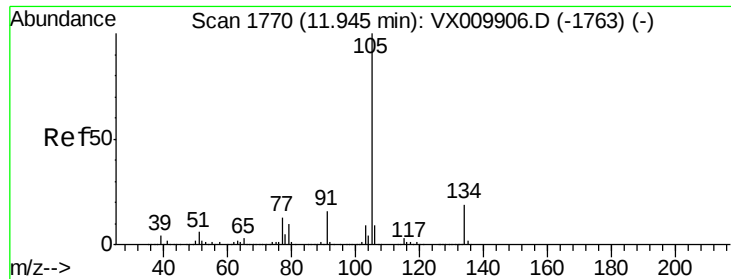
Tgt Ion:119 Resp: 246805  
 Ion Ratio Lower Upper  
 119 100  
 91 54.7 30.0 90.0  
 134 23.3 11.2 33.5



#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.770 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. -0.00 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

Tgt Ion:105 Resp: 245339  
 Ion Ratio Lower Upper  
 105 100  
 120 47.2 22.1 66.1





#85

sec-Butylbenzene

Concen: 19.636 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampled :

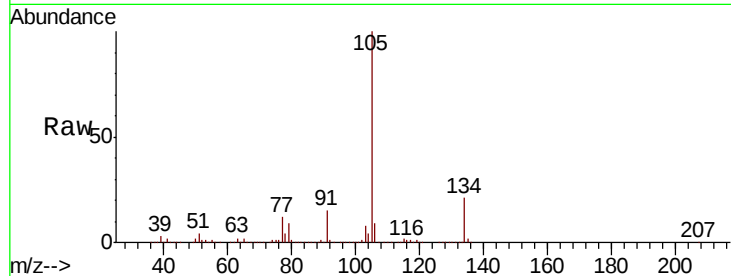
VSTDIC020

Tgt Ion:105 Resp: 284426

Ion Ratio Lower Upper

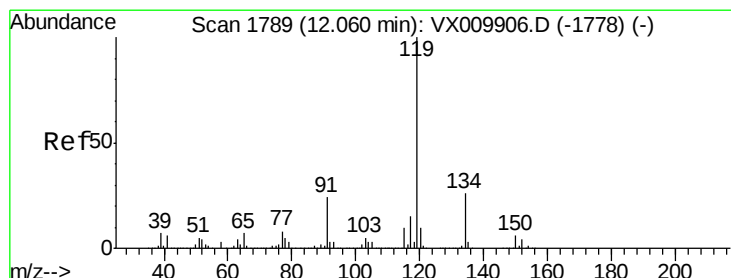
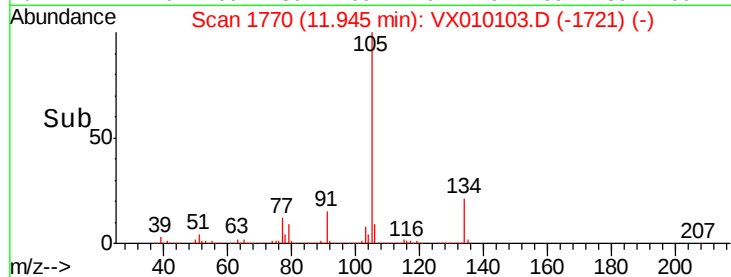
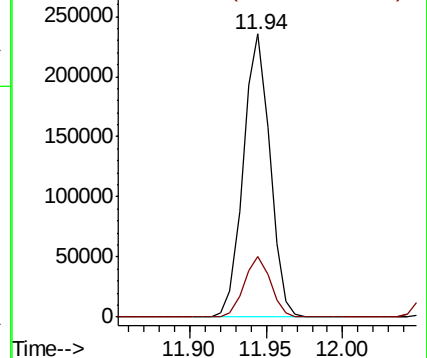
105 100

134 21.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.769 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

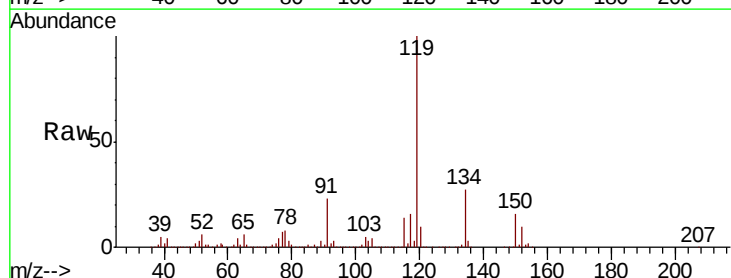
Tgt Ion:119 Resp: 263480

Ion Ratio Lower Upper

119 100

134 27.4 12.9 38.6

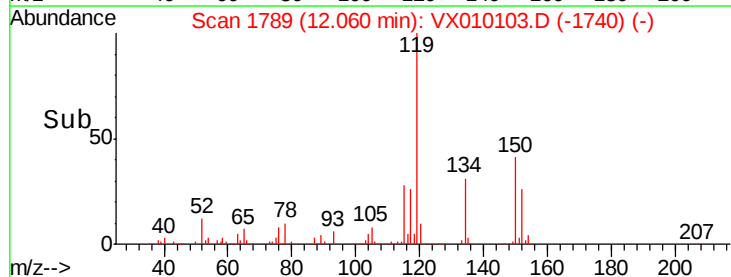
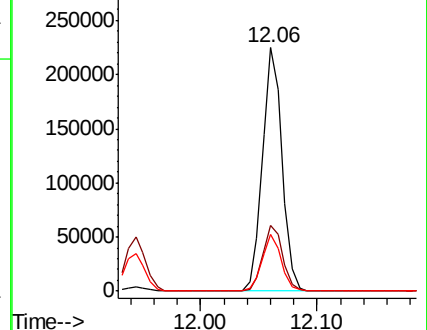
91 22.6 11.9 35.9

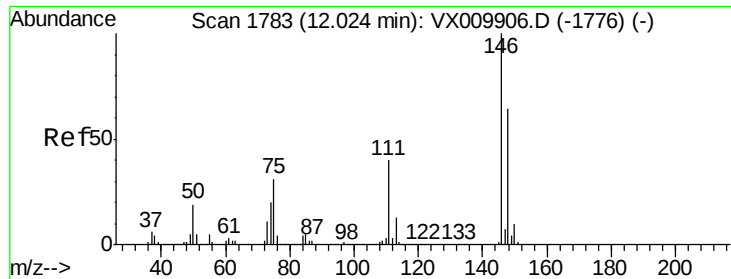


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.420 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampled :

VSTDIC020

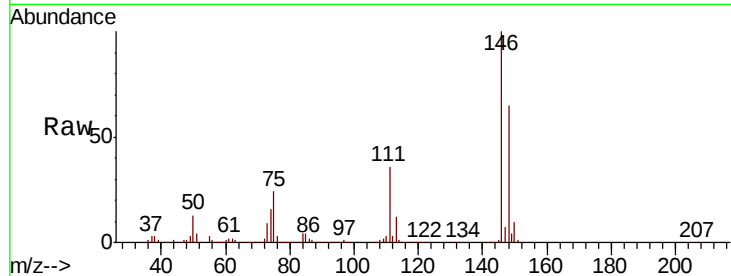
Tgt Ion:146 Resp: 137353

Ion Ratio Lower Upper

146 100

111 37.9 20.1 60.2

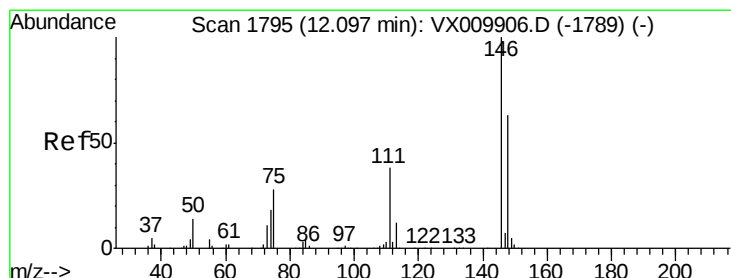
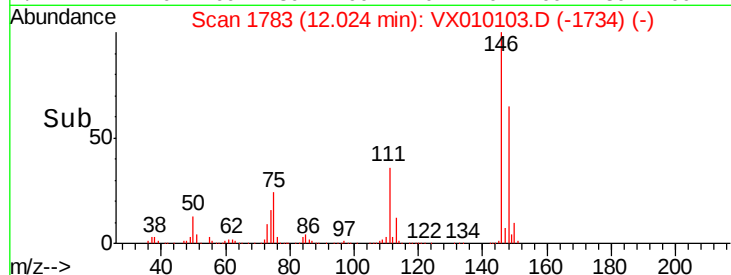
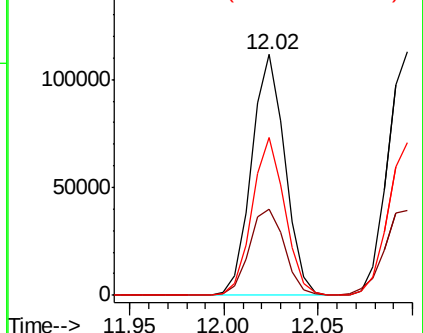
148 64.1 31.9 95.5



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



#88

1,4-Dichlorobenzene

Concen: 19.917 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

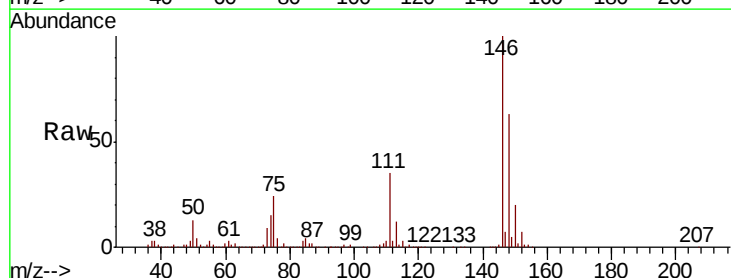
Tgt Ion:146 Resp: 138748

Ion Ratio Lower Upper

146 100

111 37.8 20.0 59.9

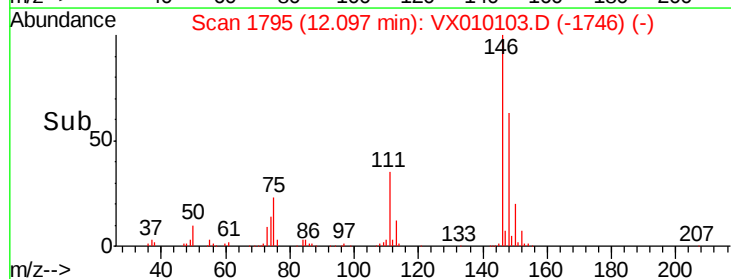
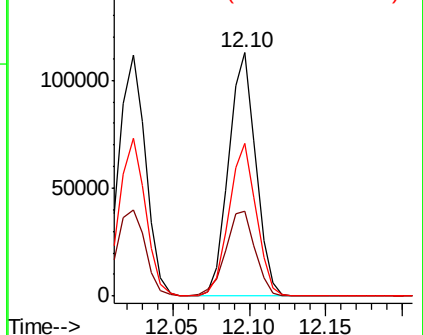
148 62.8 32.3 96.9

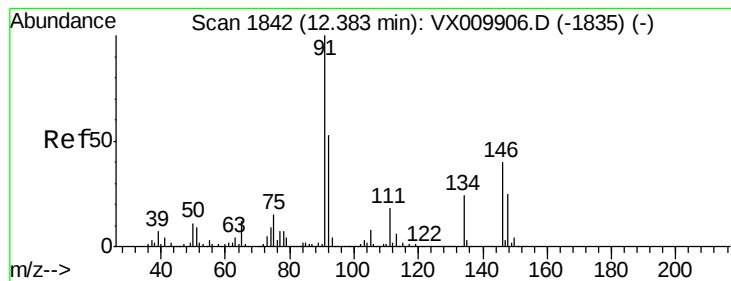


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.546 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010103.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

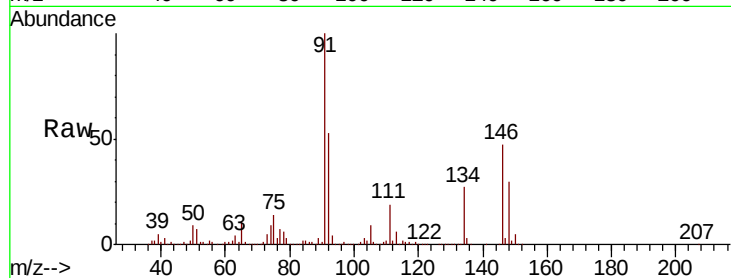
Tgt Ion: 91 Resp: 225719

Ion Ratio Lower Upper

91 100

92 53.0 26.3 78.8

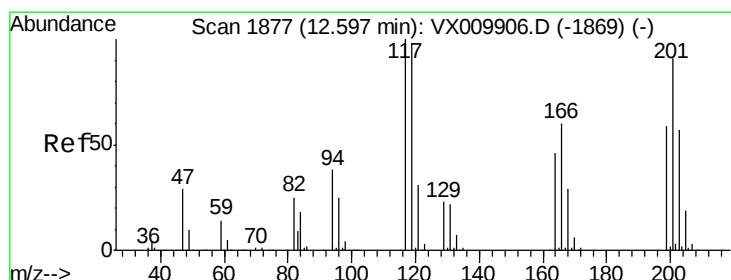
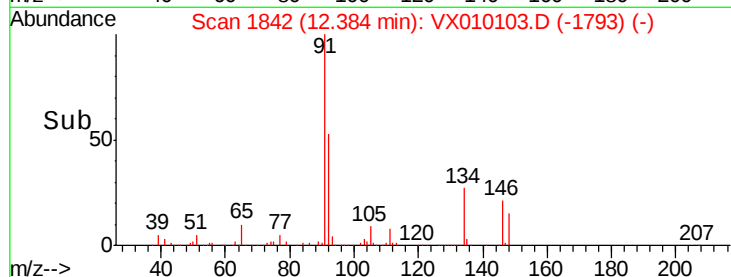
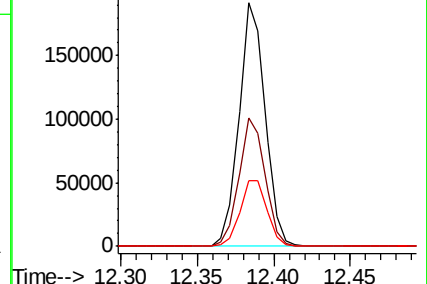
134 28.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.432 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX010103.D

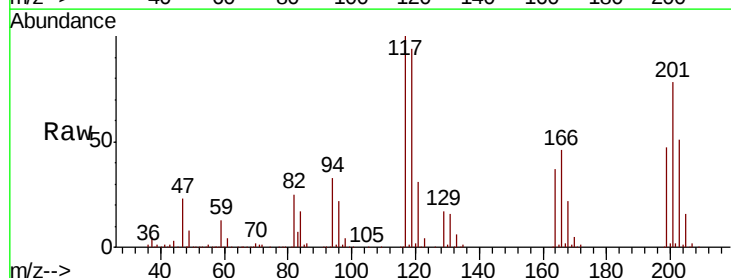
Acq: 07 Jun 2019 12:18

Tgt Ion: 117 Resp: 51138

Ion Ratio Lower Upper

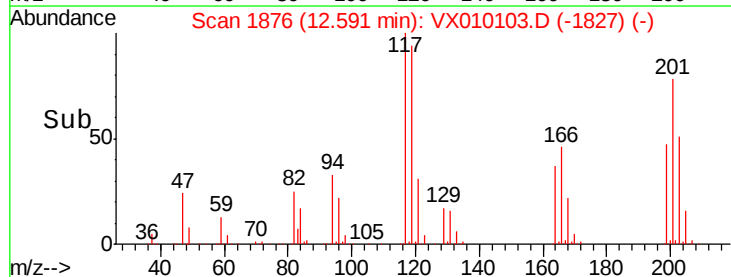
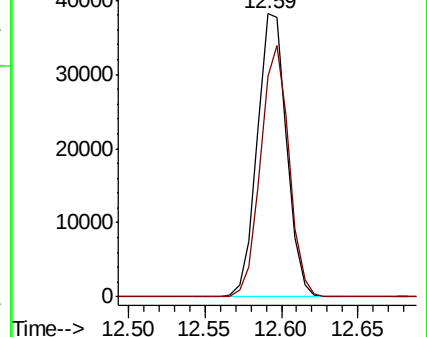
117 100

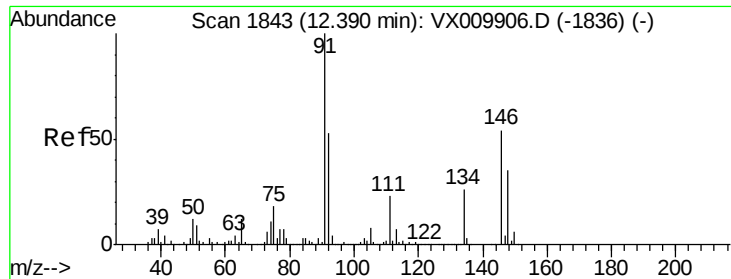
201 85.8 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

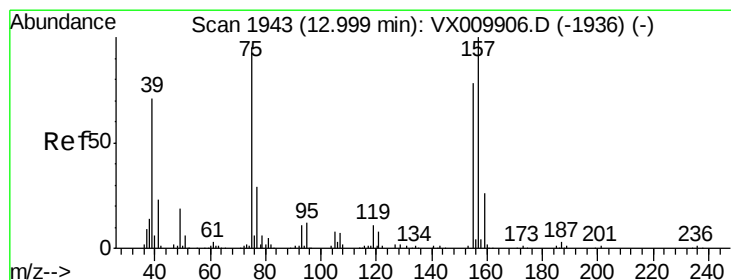
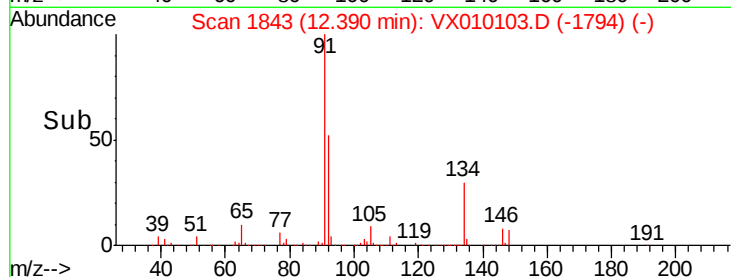
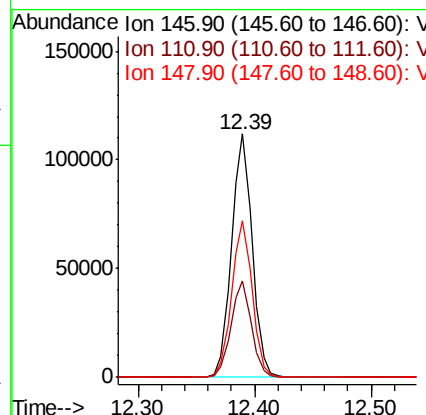
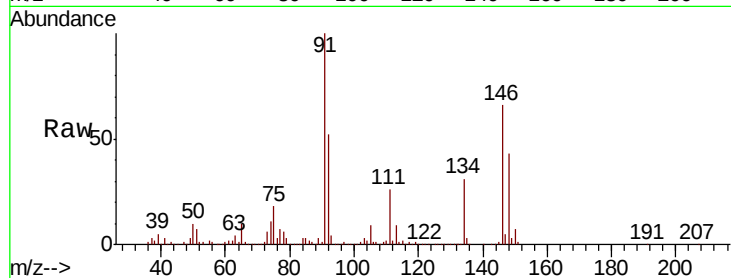




#91  
 1,2-Dichlorobenzene  
 Concen: 20.039 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

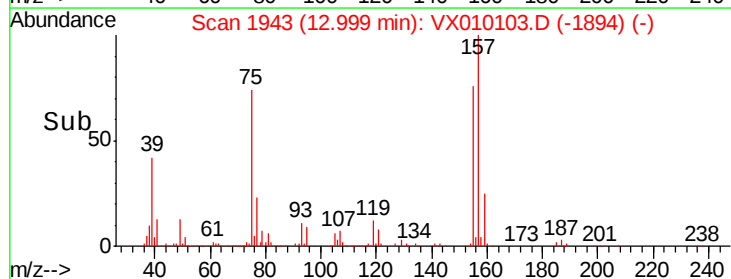
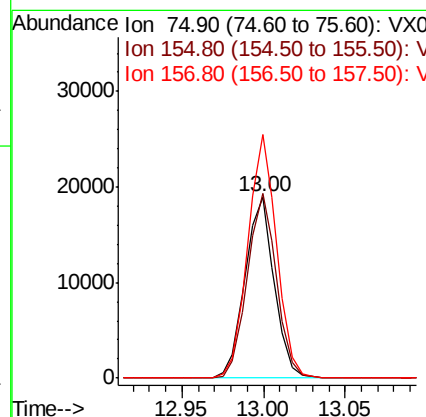
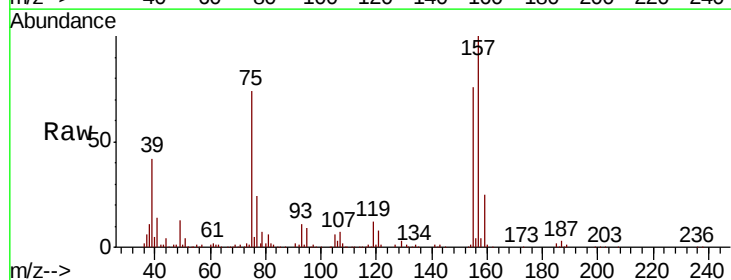
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

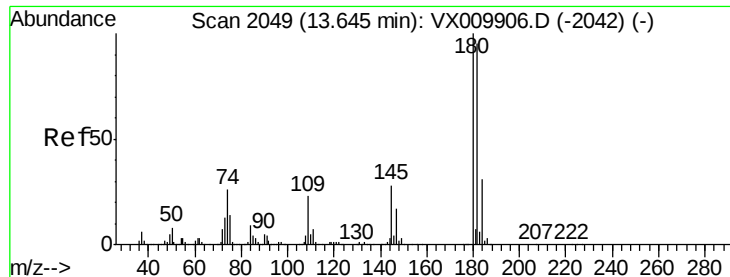
Tgt Ion:146 Resp: 137225  
 Ion Ratio Lower Upper  
 146 100  
 111 39.1 21.1 63.1  
 148 64.2 32.3 96.8



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.812 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VX010103.D  
 Acq: 07 Jun 2019 12:18

Tgt Ion: 75 Resp: 23667  
 Ion Ratio Lower Upper  
 75 100  
 155 101.5 39.3 117.8  
 157 132.3 50.6 151.8

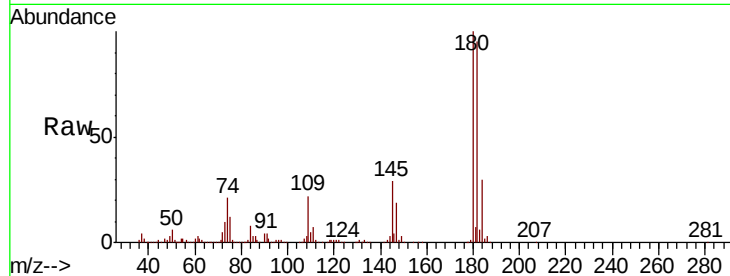




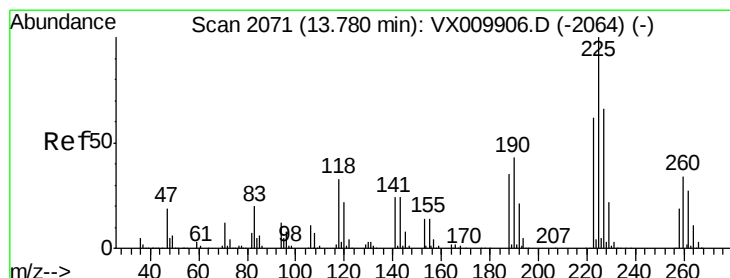
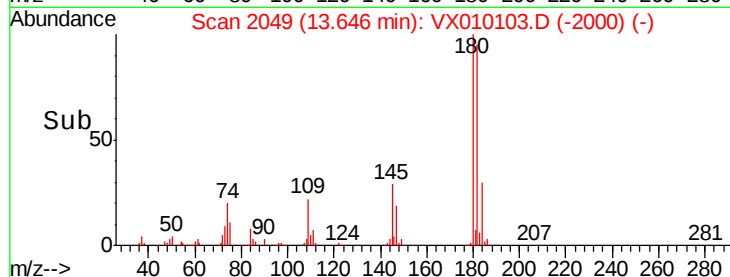
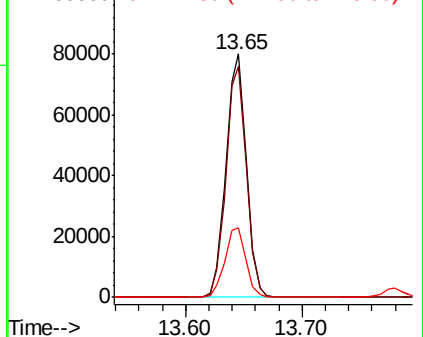
#93  
1,2,4-Trichlorobenzene  
Concen: 19.777 ug/l  
RT: 13.65 min Scan# 2049  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

Tgt Ion:180 Resp: 96647  
Ion Ratio Lower Upper  
180 100  
182 95.2 47.4 142.2  
145 29.4 14.5 43.5

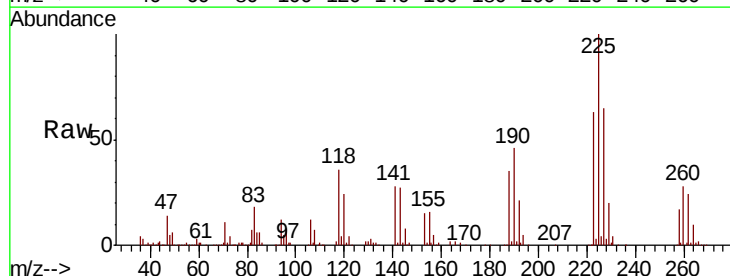


Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.80 (144.50 to 145.50): V

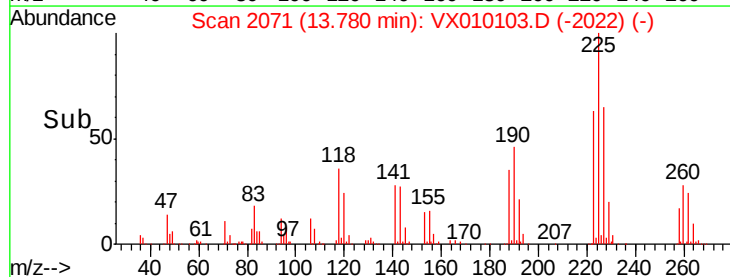
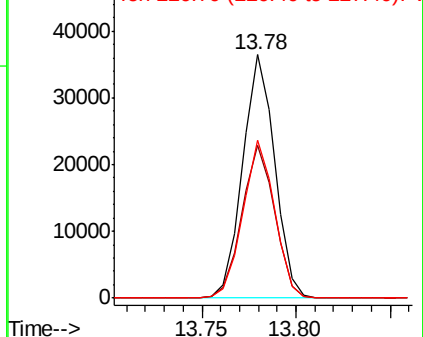


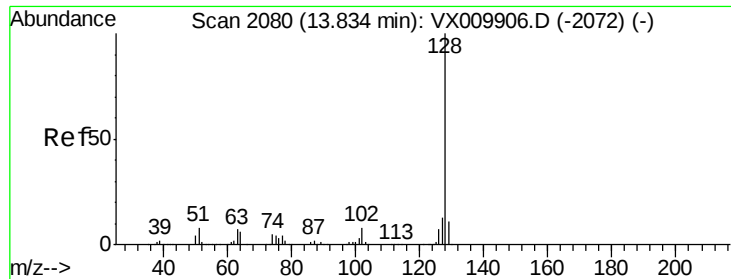
#94  
Hexachlorobutadiene  
Concen: 19.745 ug/l  
RT: 13.78 min Scan# 2071  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion:225 Resp: 42917  
Ion Ratio Lower Upper  
225 100  
223 64.1 31.3 93.8  
227 64.3 32.3 96.8



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

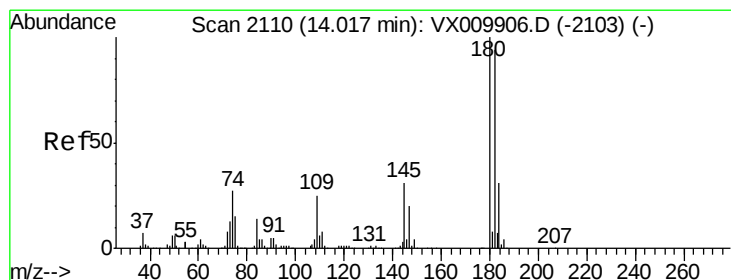
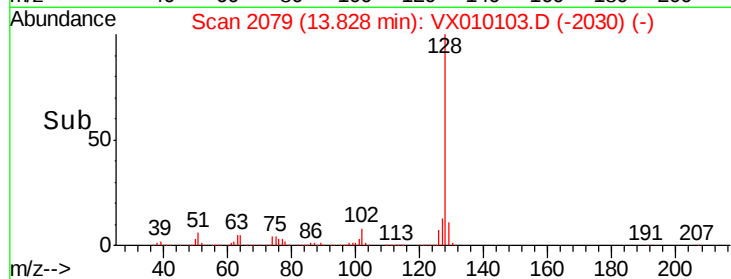
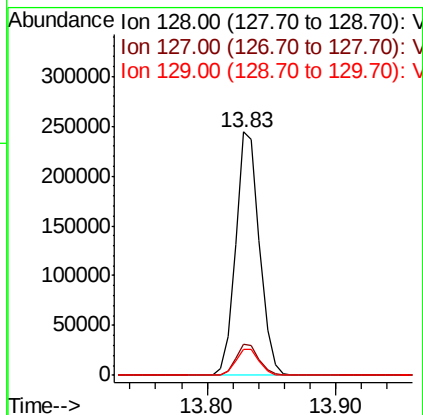
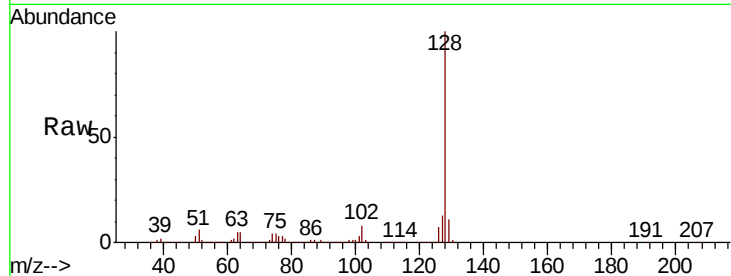




#95  
Naphthalene  
Concen: 19.864 ug/l  
RT: 13.83 min Scan# 2079  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

Tgt Ion:128 Resp: 313108  
Ion Ratio Lower Upper  
128 100  
127 12.5 10.6 16.0  
129 10.8 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 19.937 ug/l  
RT: 14.02 min Scan# 2110  
Delta R.T. -0.00 min  
Lab File: VX010103.D  
Acq: 07 Jun 2019 12:18

Tgt Ion:180 Resp: 96561  
Ion Ratio Lower Upper  
180 100  
182 93.8 47.3 142.0  
145 30.9 15.6 46.7

