

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX082219\  
 Data File : VX011758.D  
 Acq On : 22 Aug 2019 13:47  
 Operator : JC/SP  
 Sample : VX0822WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBS01

Quant Time: Aug 23 02:00:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082219W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 23 01:48:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 371033   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 508284   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 461451   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 247847   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 195357   | 52.41  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 104.82% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 167757   | 51.04  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 102.08% |          |
| 50) Toluene-d8              | 8.71  | 98   | 616792   | 53.80  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 107.60% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 228047   | 50.33  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 100.66% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85   | 81343    | 23.491  | ug/l   | 99     |
| 3) Chloromethane              | 1.32 | 50   | 69247    | 22.803  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.40 | 62   | 66535    | 21.917  | ug/l   | 100    |
| 5) Bromomethane               | 1.63 | 94   | 39170    | 23.422  | ug/l   | 90     |
| 6) Chloroethane               | 1.71 | 64   | 36155    | 20.370  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 104873   | 21.699  | ug/l   | 98     |
| 8) Diethyl Ether              | 2.18 | 74   | 33033    | 20.100  | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101  | 63656    | 21.284  | ug/l   | 98     |
| 10) Methyl Iodide             | 2.50 | 142  | 70123    | 19.196  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 3.03 | 59   | 70959    | 96.343  | ug/l # | 93     |
| 12) 1,1-Dichloroethene        | 2.37 | 96   | 59856    | 20.525  | ug/l   | 96     |
| 13) Acrolein                  | 2.28 | 56   | 33870    | 118.965 | ug/l   | 95     |
| 14) Allyl chloride            | 2.72 | 41   | 92629    | 20.322  | ug/l   | 95     |
| 15) Acrylonitrile             | 3.13 | 53   | 168259   | 99.879  | ug/l   | 98     |
| 16) Acetone                   | 2.43 | 43   | 163704   | 100.966 | ug/l   | 99     |
| 17) Carbon Disulfide          | 2.56 | 76   | 147205   | 19.964  | ug/l   | 99     |
| 18) Methyl Acetate            | 2.76 | 43   | 93444    | 21.239  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 3.18 | 73   | 194845   | 20.829  | ug/l   | 99     |
| 20) Methylene Chloride        | 2.85 | 84   | 65591    | 19.787  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96   | 63787    | 20.279  | ug/l   | 98     |
| 22) Diisopropyl ether         | 3.84 | 45   | 183835   | 20.799  | ug/l   | 92     |
| 23) Vinyl Acetate             | 3.81 | 43   | 764220   | 104.429 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 3.68 | 63   | 107092   | 20.521  | ug/l   | 99     |
| 25) 2-Butanone                | 4.66 | 43   | 238284   | 102.388 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 4.57 | 77   | 91373    | 20.618  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96   | 72329    | 20.051  | ug/l   | 99     |
| 28) Bromochloromethane        | 5.00 | 49   | 48605    | 20.518  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 5.12 | 42   | 151633   | 101.642 | ug/l   | 98     |
| 30) Chloroform                | 5.20 | 83   | 116953   | 20.656  | ug/l   | 99     |
| 31) Cyclohexane               | 5.57 | 56   | 96428    | 21.040  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97   | 105729   | 21.483  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75   | 84954    | 21.314  | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.82 | 43   | 85011    | 20.154  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117  | 93164    | 20.624  | ug/l   | 96     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX082219\  
 Data File : VX011758.D  
 Acq On : 22 Aug 2019 13:47  
 Operator : JC/SP  
 Sample : VX0822WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBS01

Quant Time: Aug 23 02:00:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082219W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 23 01:48:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 104939   | 21.246  | ug/l   | 96       |
| 40) Benzene                    | 6.13  | 78   | 251678   | 20.412  | ug/l   | 96       |
| 41) Methacrylonitrile          | 5.03  | 41   | 48110    | 19.612  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 94261    | 20.913  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 136177   | 19.947  | ug/l   | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 76436    | 20.110  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 62399    | 20.134  | ug/l   | 96       |
| 46) Dibromomethane             | 7.66  | 93   | 45905    | 20.090  | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.89  | 83   | 83275    | 20.246  | ug/l   | 100      |
| 48) Methyl methacrylate        | 7.76  | 41   | 69083    | 20.333  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 35953    | 381.926 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.63  | 43   | 454084   | 100.942 | ug/l   | 99       |
| 52) Toluene                    | 8.78  | 92   | 162106   | 20.316  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 89065    | 20.627  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 99326    | 21.086  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 67855    | 20.412  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 97688    | 20.663  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 109449   | 20.390  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 222011   | 89.271  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 351437   | 101.786 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.58  | 129  | 72461    | 20.161  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.66  | 107  | 73007    | 20.468  | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.33  | 164  | 75974    | 20.637  | ug/l   | 96       |
| 65) Chlorobenzene              | 10.13 | 112  | 187346   | 20.795  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 69994    | 20.736  | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 315663   | 20.967  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.35 | 106  | 244173   | 42.062  | ug/l   | 98       |
| 69) o-Xylene                   | 10.69 | 106  | 116872   | 20.506  | ug/l   | 99       |
| 70) Styrene                    | 10.71 | 104  | 198072   | 20.774  | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 54833    | 18.831  | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.01 | 105  | 324213   | 21.707  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 118364   | 20.469  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 101034   | 20.436  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 108460   | 24.939  | ug/l   | 85       |
| 77) Bromobenzene               | 11.25 | 156  | 89583    | 20.345  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.35 | 91   | 357087   | 22.359  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.41 | 91   | 214647   | 21.603  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 273697   | 21.962  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 27024    | 18.740  | ug/l   | 88       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 249167   | 21.755  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 275125   | 22.376  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 275538   | 21.895  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 315042   | 22.400  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 301251   | 22.262  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 158841   | 20.948  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 160581   | 20.932  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 246416   | 21.997  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 44221    | 21.034  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 157499   | 20.594  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 22572    | 19.642  | ug/l   | 95       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX082219\  
Data File : VX011758.D  
Acq On : 22 Aug 2019 13:47  
Operator : JC/SP  
Sample : VX0822WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

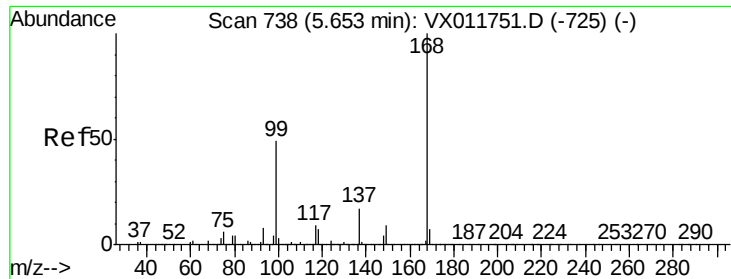
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

Quant Time: Aug 23 02:00:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082219W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 23 01:48:12 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 114583   | 20.368 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 63436    | 20.578 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 320618   | 20.693 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 116315   | 20.592 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampled :

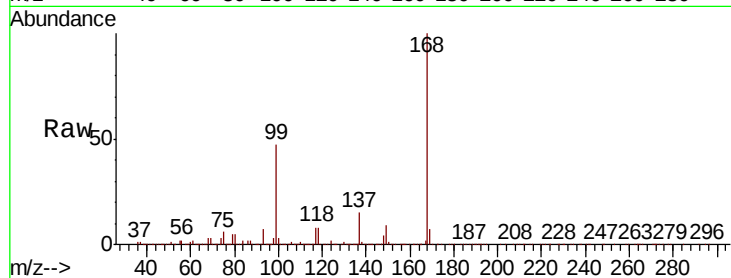
VX0822WBS01

Tgt Ion:168 Resp: 371033

Ion Ratio Lower Upper

168 100

99 47.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

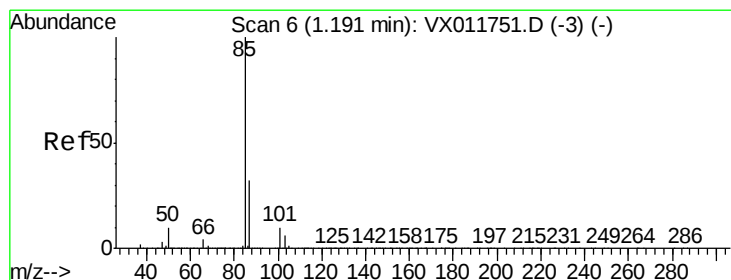
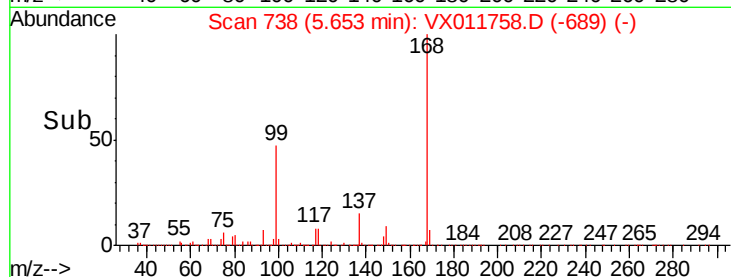
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 23.491 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011758.D

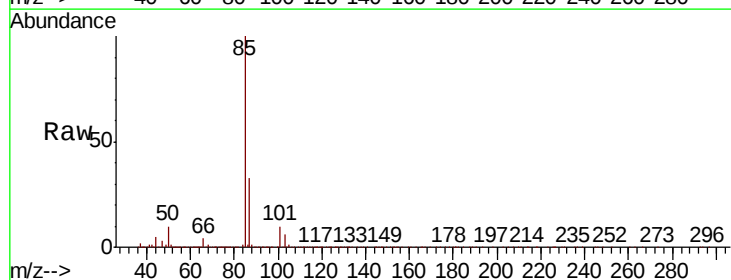
Acq: 22 Aug 2019 13:47

Tgt Ion: 85 Resp: 81343

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

100000

80000

60000

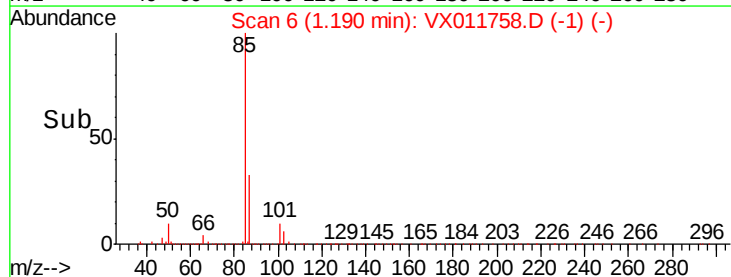
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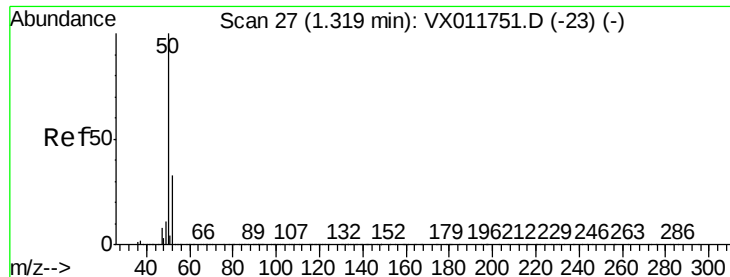
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0

1.15 1.20 1.25 1.30

Time-->

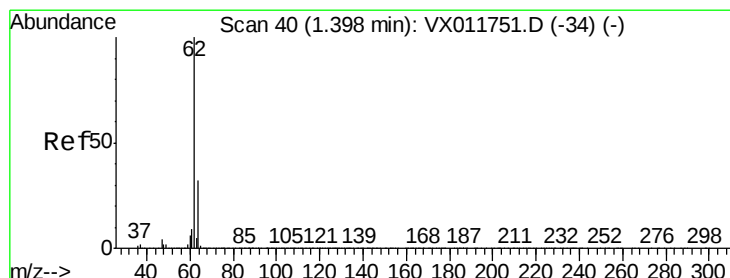
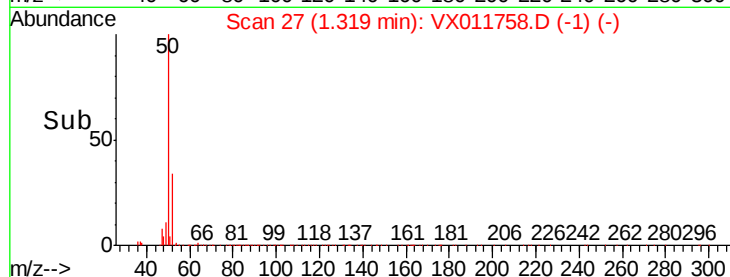
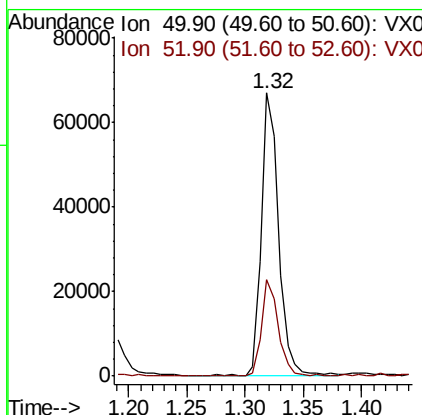
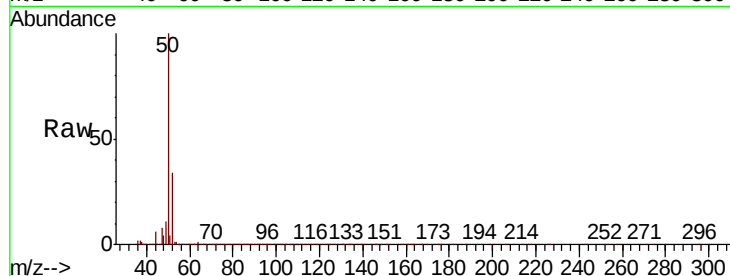




#3  
Chloromethane  
Concen: 22.803 ug/l  
RT: 1.32 min Scan# 27  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

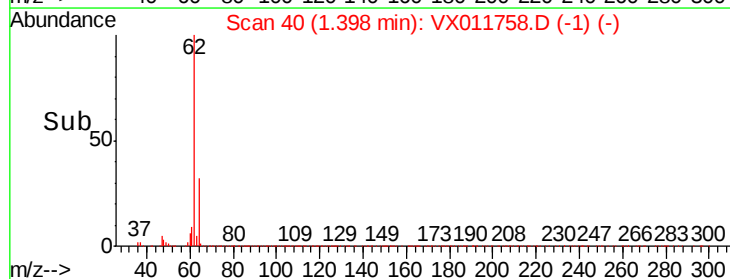
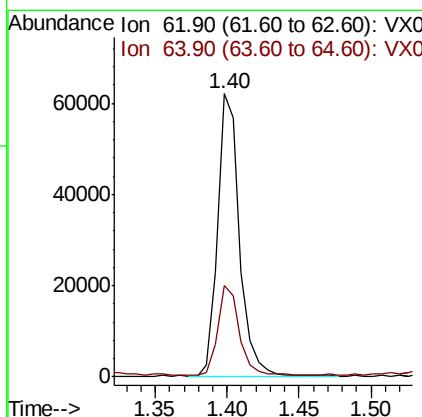
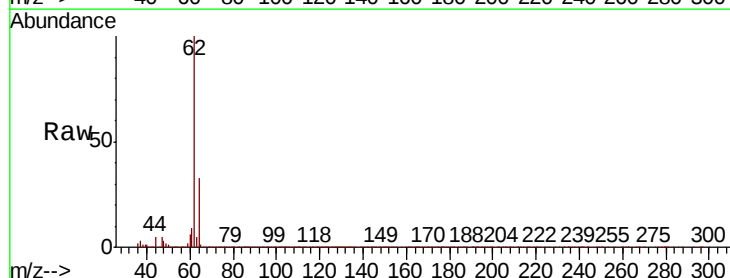
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

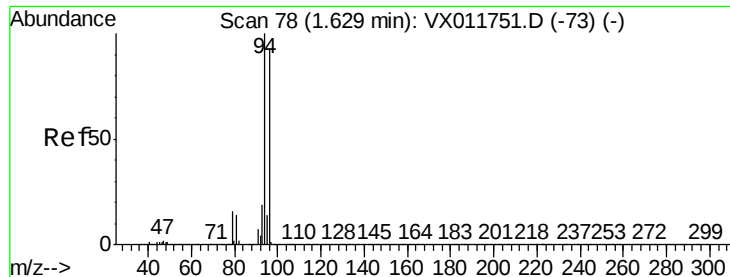
Tgt Ion: 50 Resp: 69247  
Ion Ratio Lower Upper  
50 100  
52 34.1 26.6 39.8



#4  
Vinyl Chloride  
Concen: 21.917 ug/l  
RT: 1.40 min Scan# 40  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 62 Resp: 66535  
Ion Ratio Lower Upper  
62 100  
64 32.0 25.5 38.3





#5

Bromomethane

Concen: 23.422 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

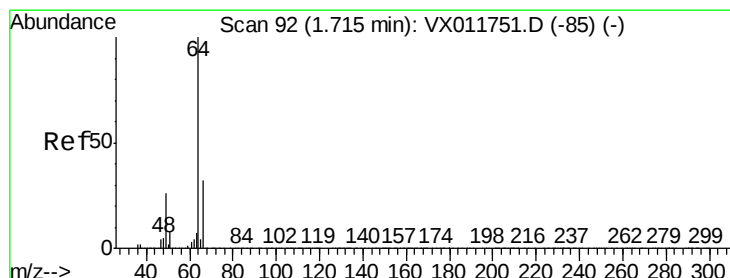
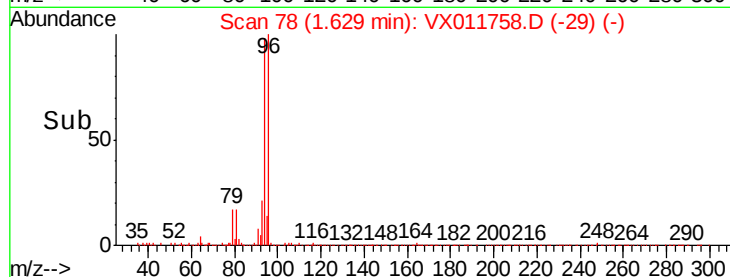
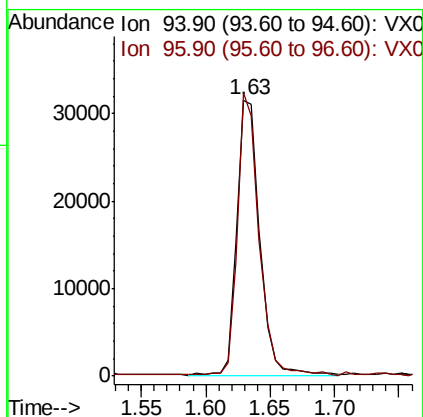
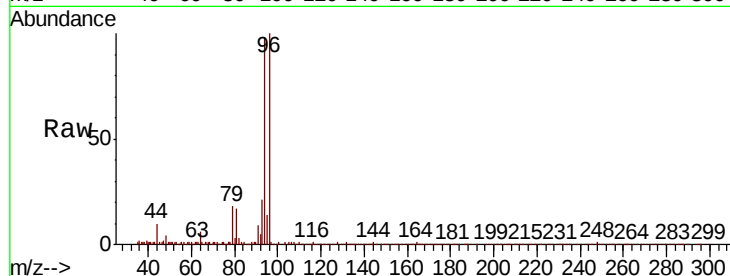
VX0822WBS01

Tgt Ion: 94 Resp: 39170

Ion Ratio Lower Upper

94 100

96 102.4 74.1 111.1



#6

Chloroethane

Concen: 20.370 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX011758.D

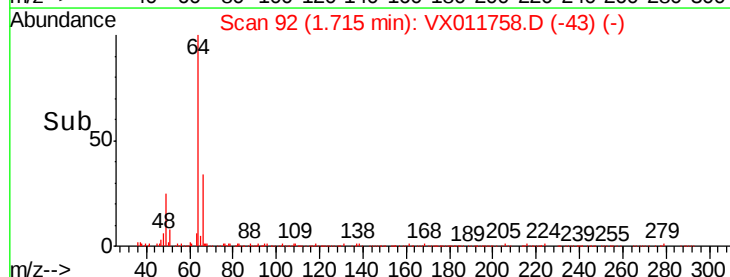
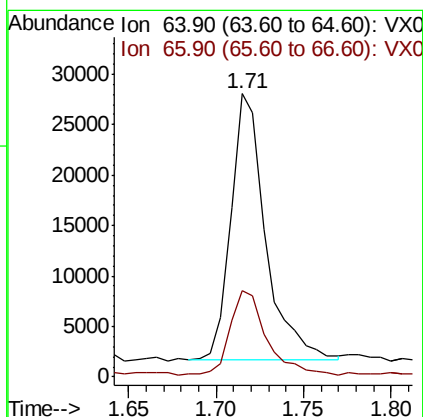
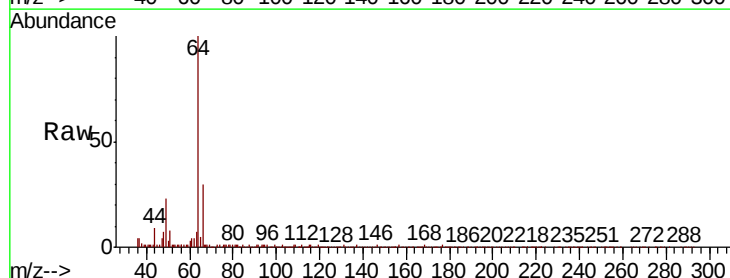
Acq: 22 Aug 2019 13:47

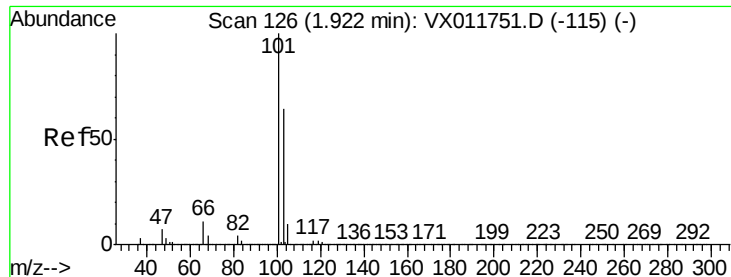
Tgt Ion: 64 Resp: 36155

Ion Ratio Lower Upper

64 100

66 31.7 24.9 37.3



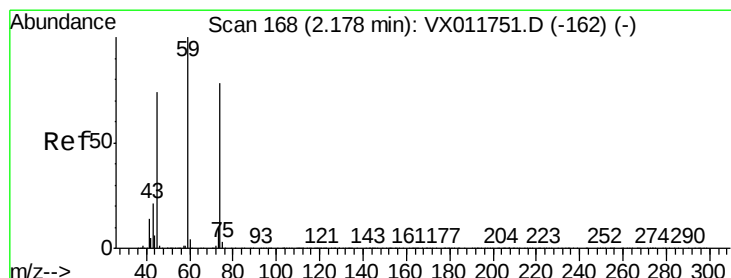
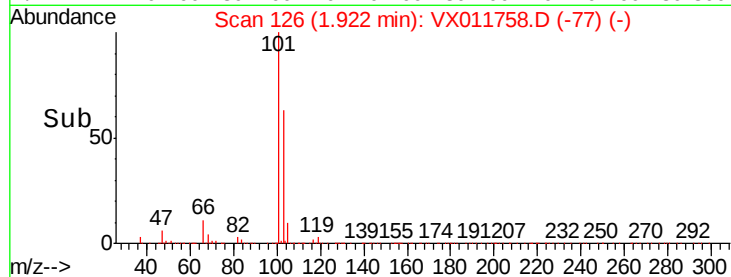
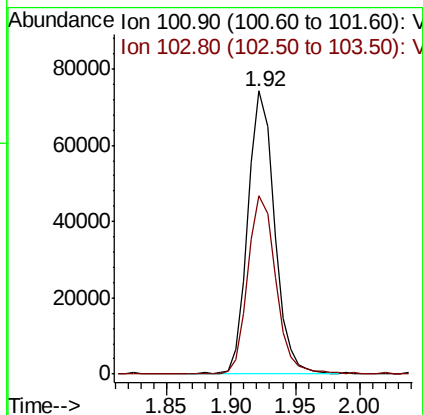
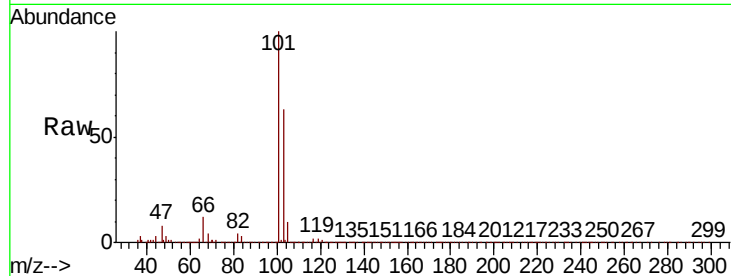


#7

Trichlorofluoromethane  
Concen: 21.699 ug/l  
RT: 1.92 min Scan# 126  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

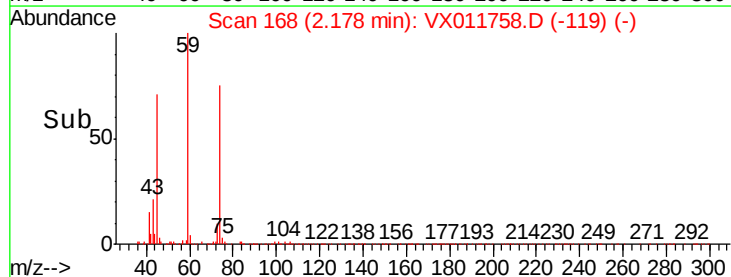
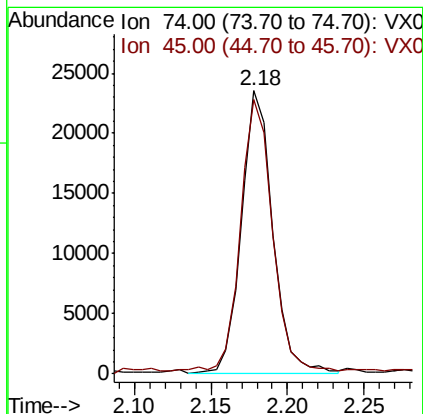
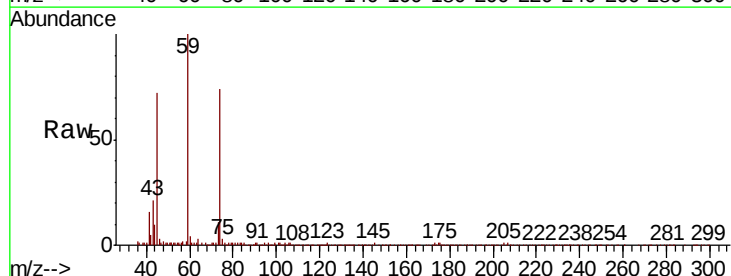
Tgt Ion:101 Resp: 104873  
Ion Ratio Lower Upper  
101 100  
103 62.8 51.2 76.8

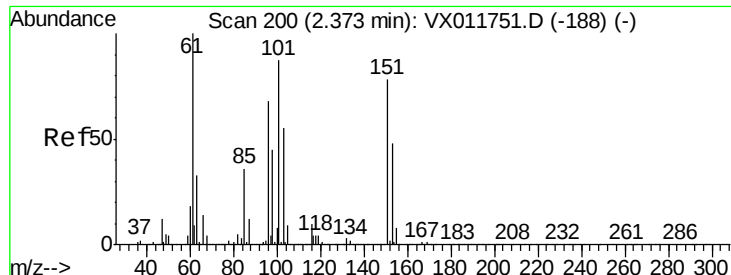


#8

Diethyl Ether  
Concen: 20.100 ug/l  
RT: 2.18 min Scan# 168  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 74 Resp: 33033  
Ion Ratio Lower Upper  
74 100  
45 99.2 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.284 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBS01

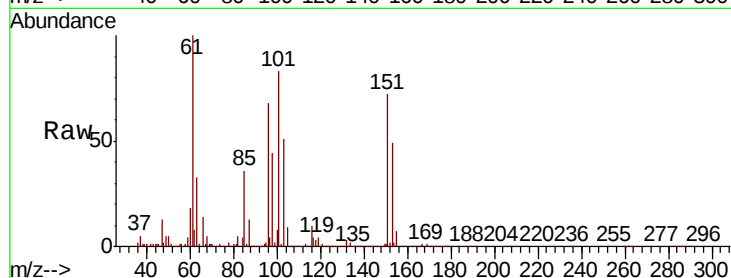
Tgt Ion:101 Resp: 63656

Ion Ratio Lower Upper

101 100

85 44.1 33.7 50.5

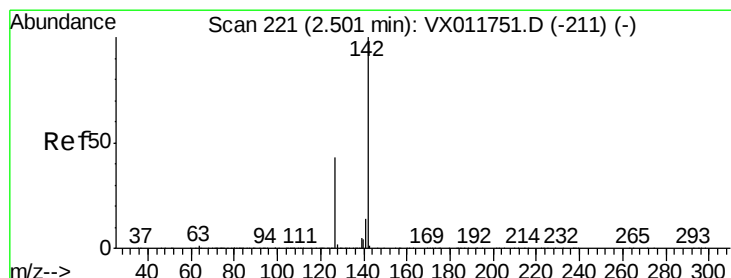
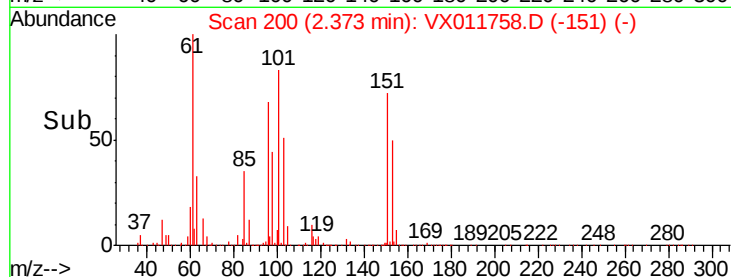
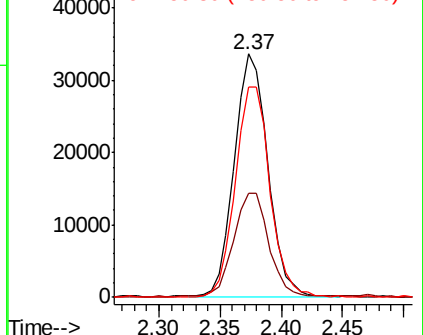
151 90.5 71.4 107.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.196 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

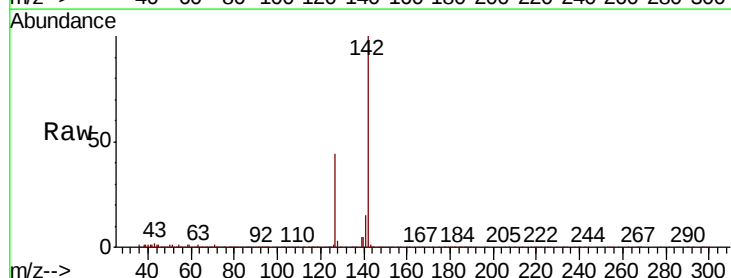
Tgt Ion:142 Resp: 70123

Ion Ratio Lower Upper

142 100

127 44.3 33.5 50.3

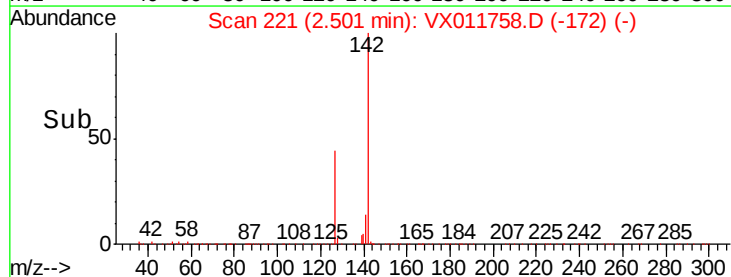
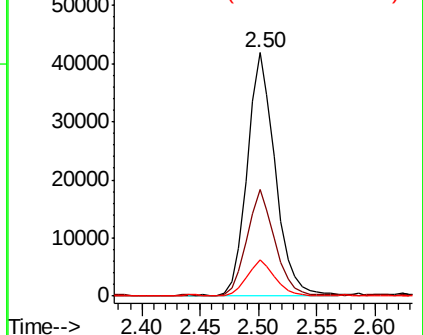
141 14.8 11.4 17.2

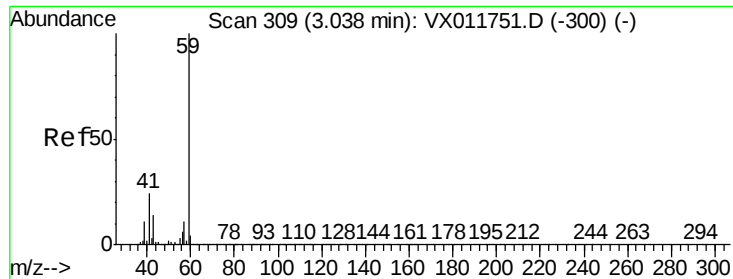


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

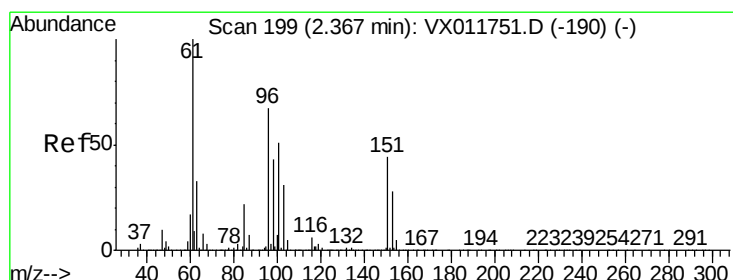
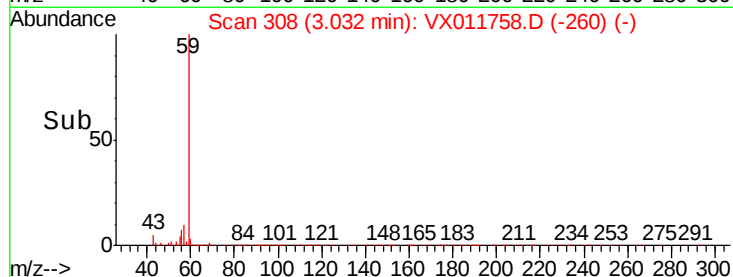
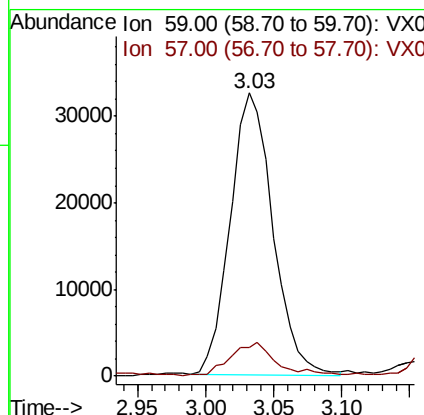
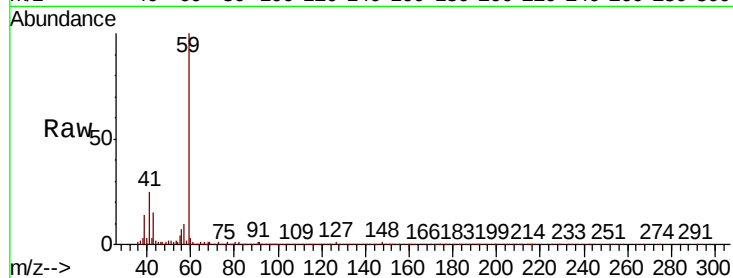




#11  
Tert butyl alcohol  
Concen: 96.343 ug/l  
RT: 3.03 min Scan# 308  
Delta R.T. -0.01 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

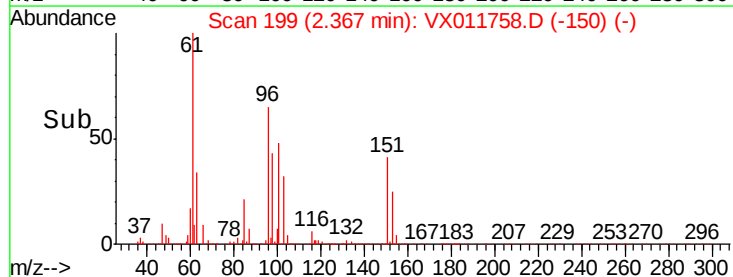
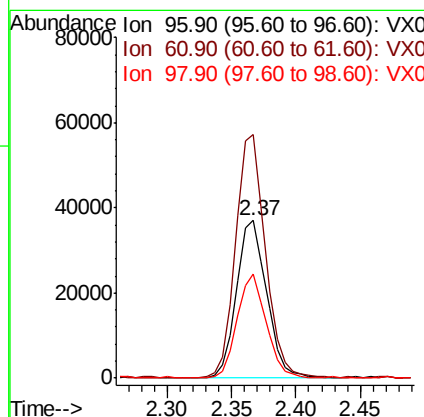
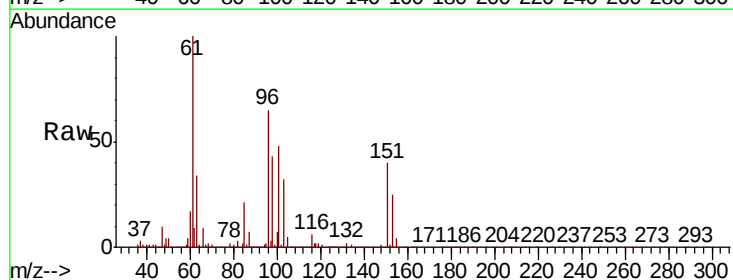
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

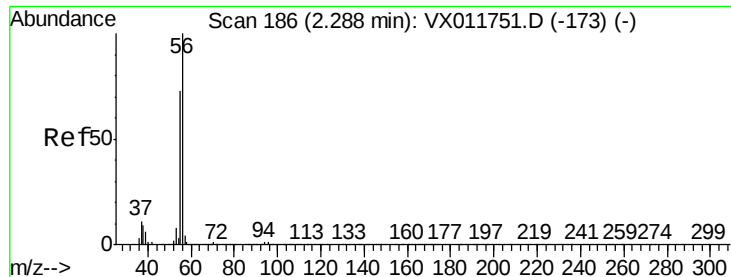
Tgt Ion: 59 Resp: 70959  
Ion Ratio Lower Upper  
59 100  
57 13.2 8.4 12.6#



#12  
1,1-Dichloroethene  
Concen: 20.525 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 96 Resp: 59856  
Ion Ratio Lower Upper  
96 100  
61 155.5 119.4 179.2  
98 66.2 51.2 76.8





#13

Acrolein

Concen: 118.965 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

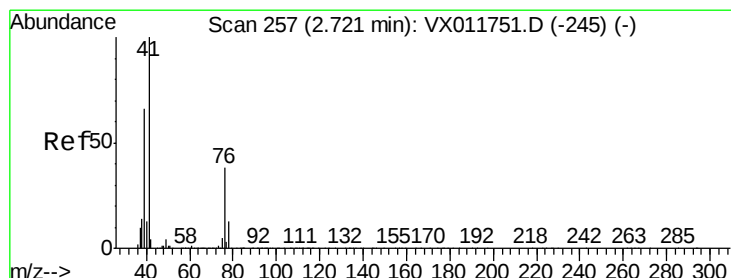
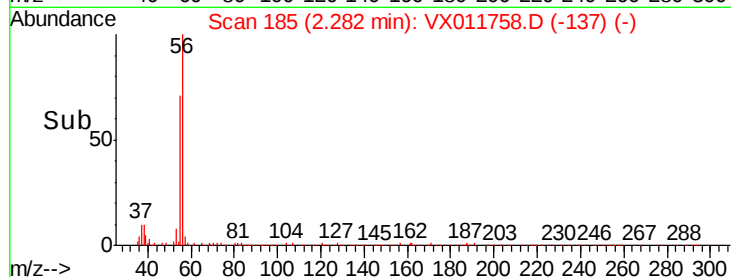
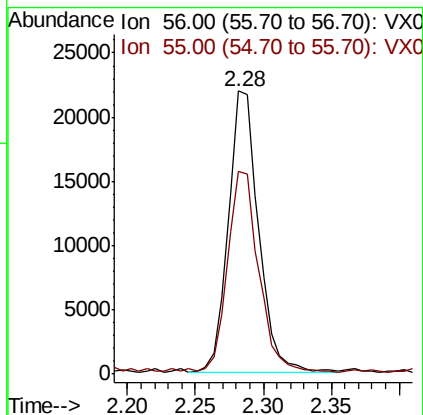
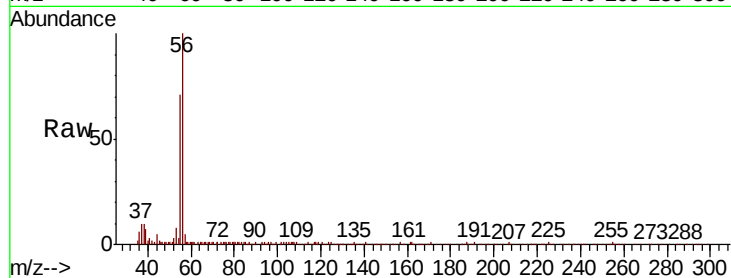
VX0822WBS01

Tgt Ion: 56 Resp: 33870

Ion Ratio Lower Upper

56 100

55 72.6 54.8 82.2



#14

Allyl chloride

Concen: 20.322 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

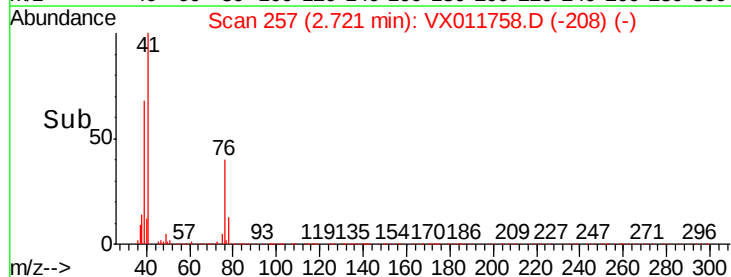
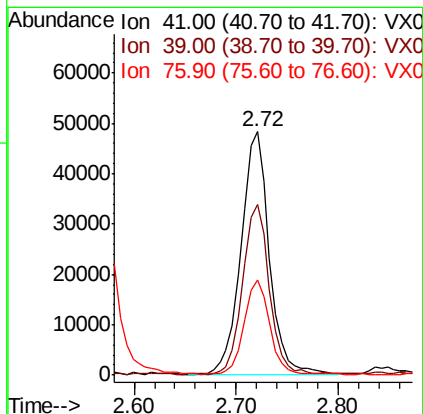
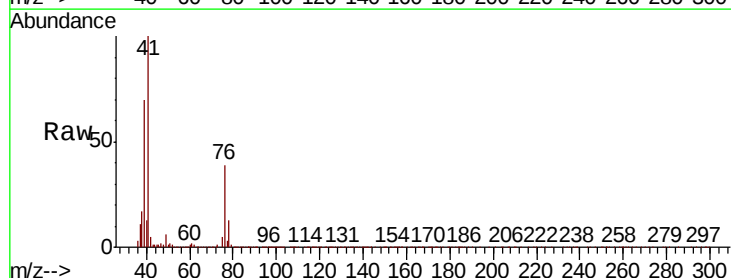
Tgt Ion: 41 Resp: 92629

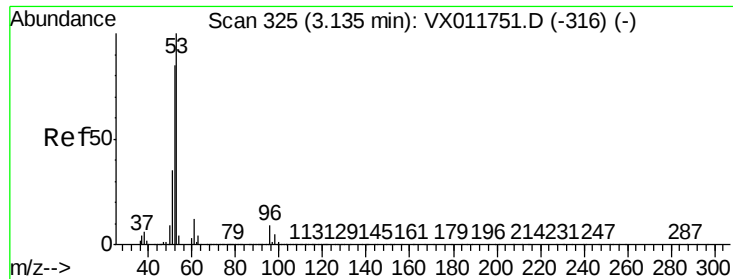
Ion Ratio Lower Upper

41 100

39 65.9 49.3 73.9

76 35.5 26.8 40.2

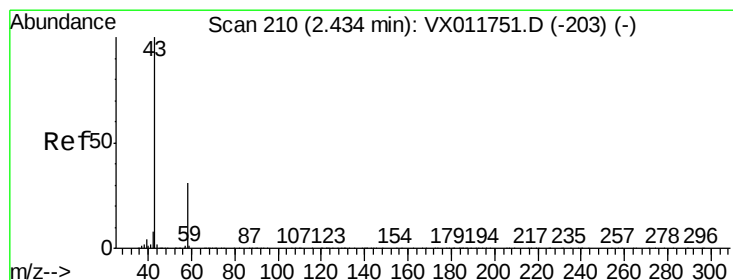
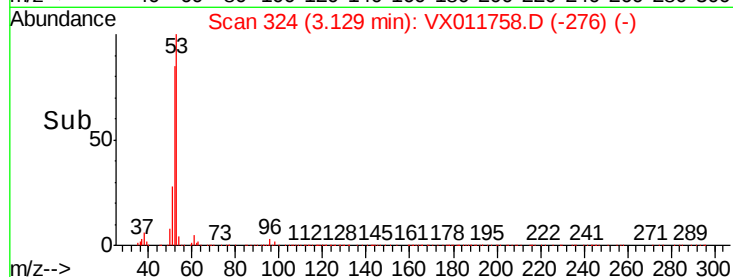
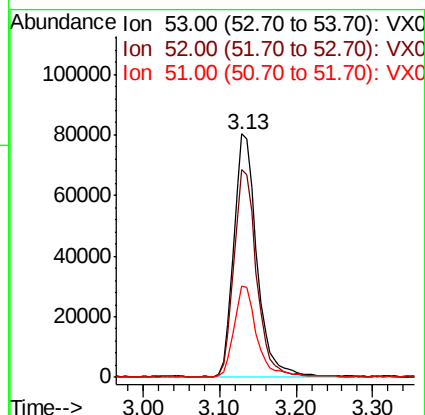
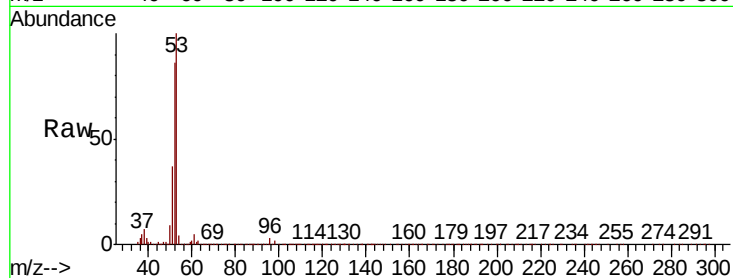




#15  
Acrylonitrile  
Concen: 99.879 ug/l  
RT: 3.13 min Scan# 324  
Delta R.T. -0.01 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

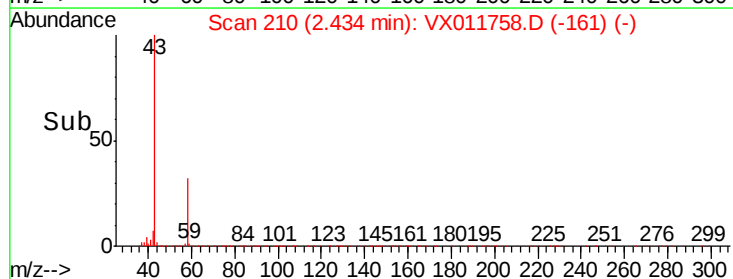
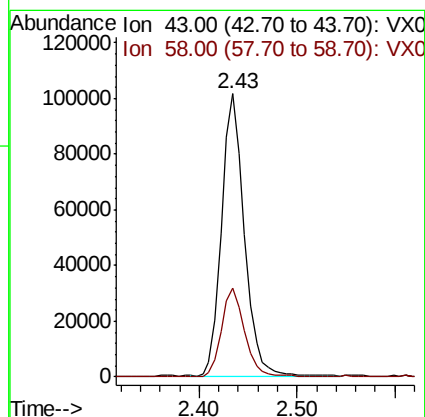
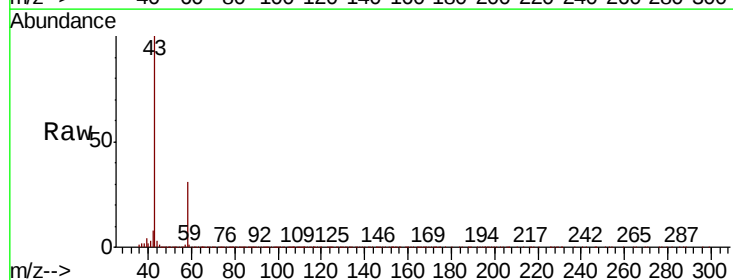
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

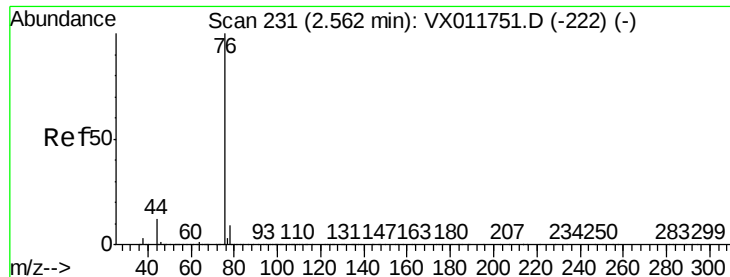
Tgt Ion: 53 Resp: 168259  
Ion Ratio Lower Upper  
53 100  
52 83.4 65.7 98.5  
51 37.7 28.6 43.0



#16  
Acetone  
Concen: 100.966 ug/l  
RT: 2.43 min Scan# 210  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 43 Resp: 163704  
Ion Ratio Lower Upper  
43 100  
58 31.3 24.4 36.6

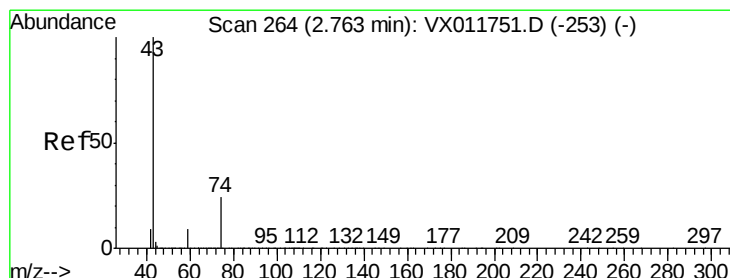
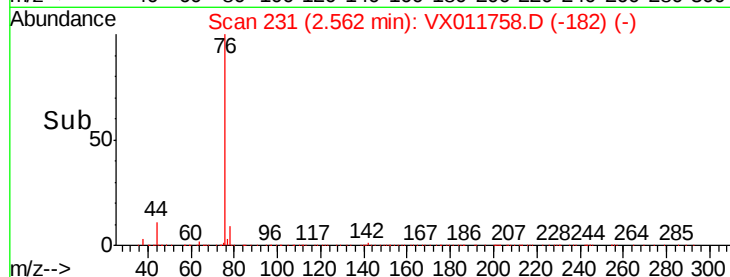
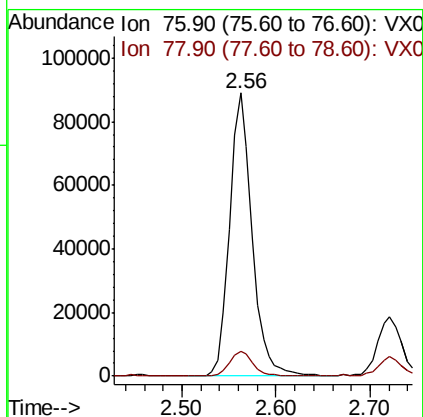
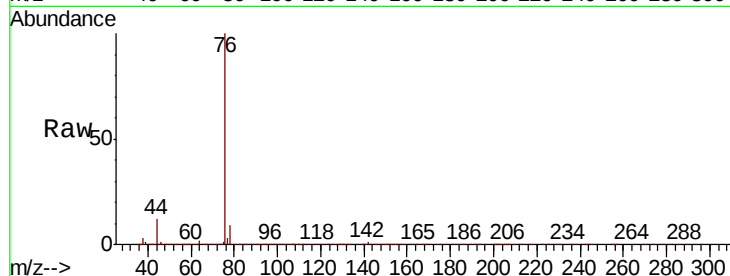




#17  
Carbon Disulfide  
Concen: 19.964 ug/l  
RT: 2.56 min Scan# 231  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

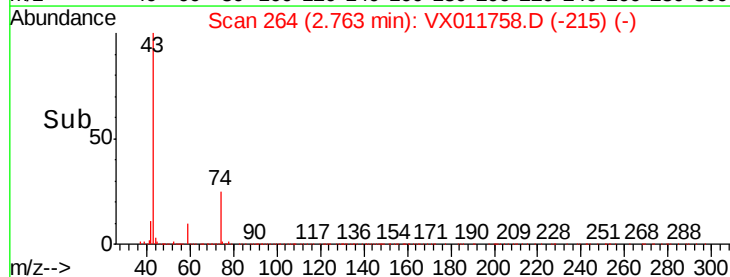
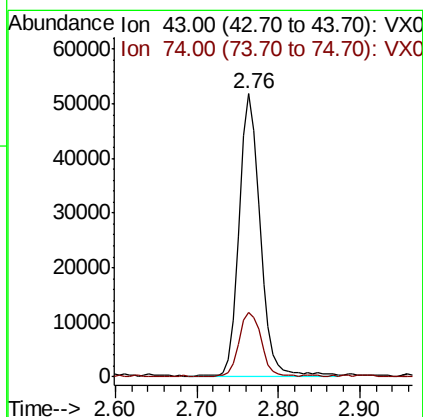
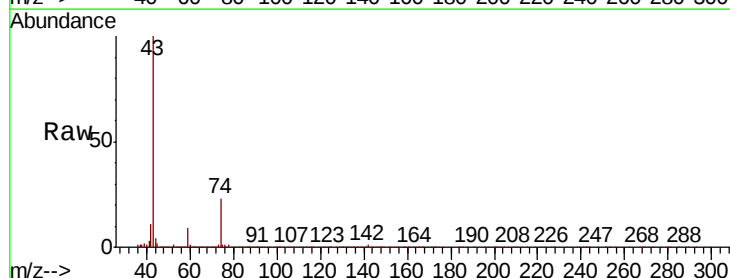
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

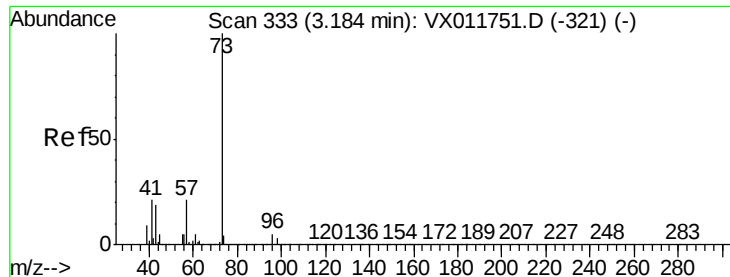
Tgt Ion: 76 Resp: 147205  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.4 11.0



#18  
Methyl Acetate  
Concen: 21.239 ug/l  
RT: 2.76 min Scan# 264  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 43 Resp: 93444  
Ion Ratio Lower Upper  
43 100  
74 23.4 19.5 29.3

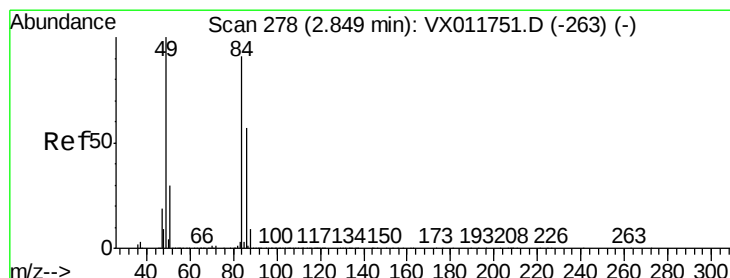
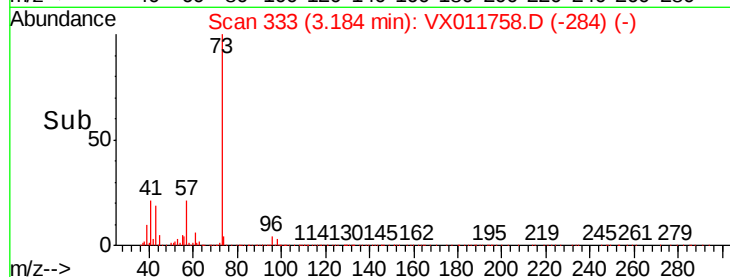
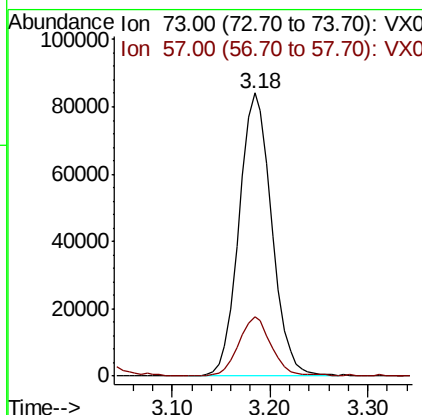
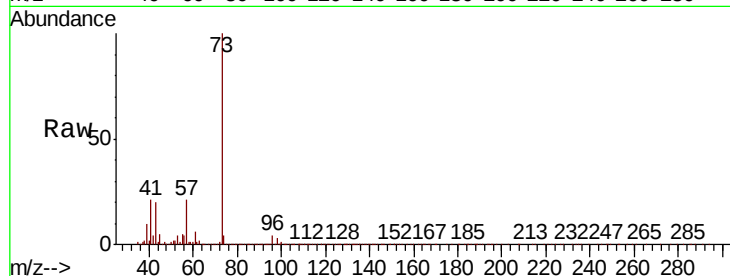




#19  
Methyl tert-butyl Ether  
Concen: 20.829 ug/l  
RT: 3.18 min Scan# 333  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

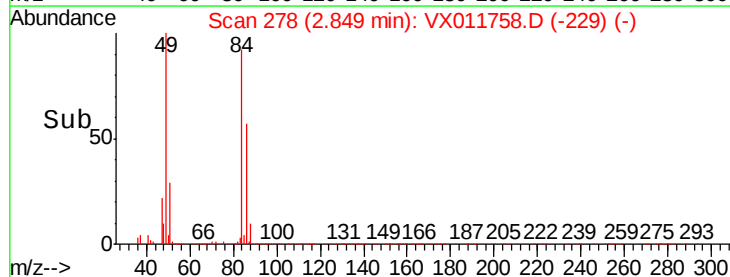
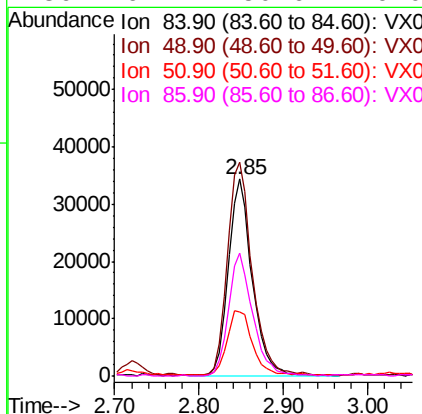
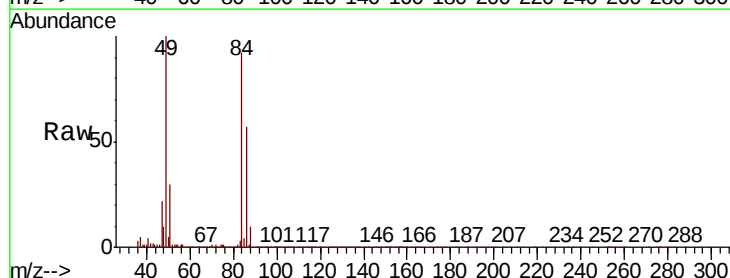
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

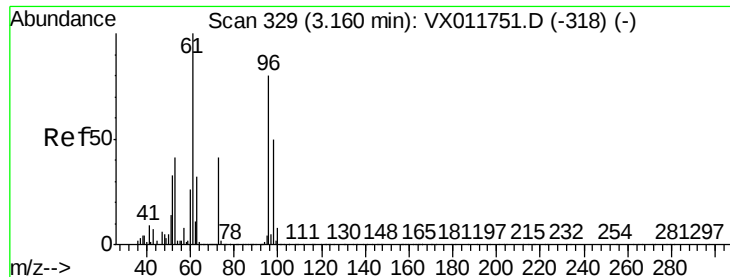
Tgt Ion: 73 Resp: 194845  
Ion Ratio Lower Upper  
73 100  
57 20.7 16.4 24.6



#20  
Methylene Chloride  
Concen: 19.787 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 84 Resp: 65591  
Ion Ratio Lower Upper  
84 100  
49 108.1 88.3 132.5  
51 31.9 26.2 39.2  
86 61.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.279 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBS01

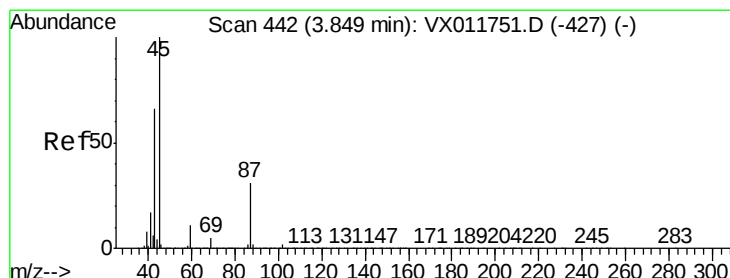
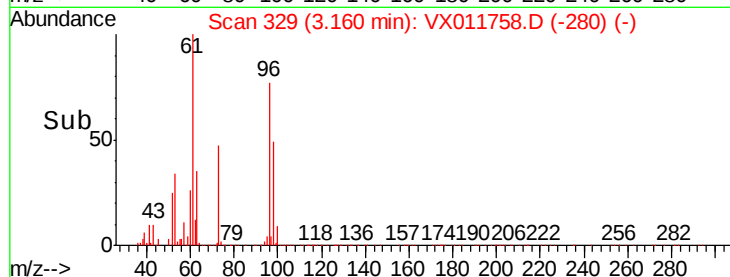
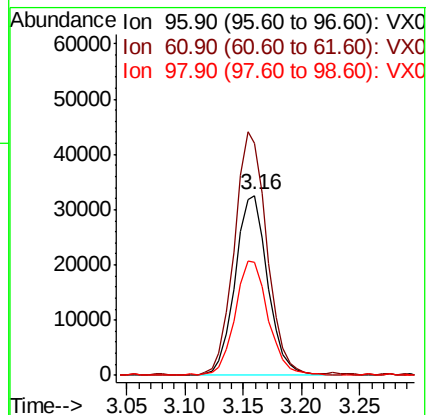
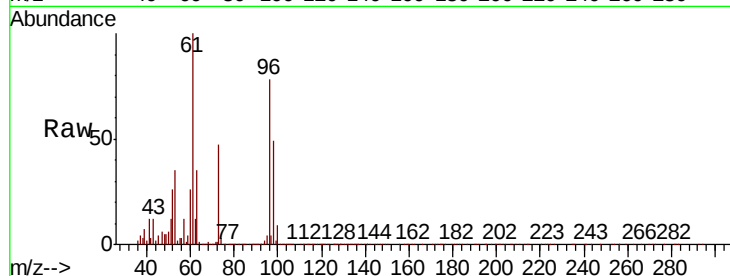
Tgt Ion: 96 Resp: 63787

Ion Ratio Lower Upper

96 100

61 128.6 99.8 149.8

98 62.7 50.3 75.5



#22

Diisopropyl ether

Concen: 20.799 ug/l

RT: 3.84 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Tgt Ion: 45 Resp: 183835

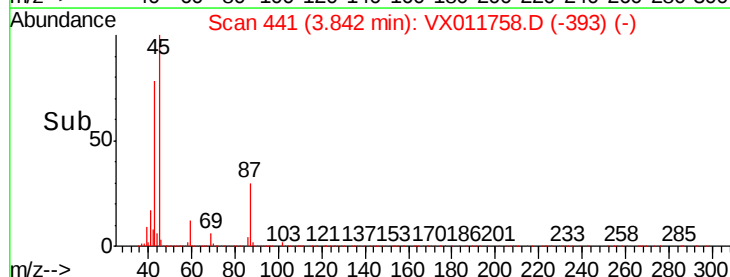
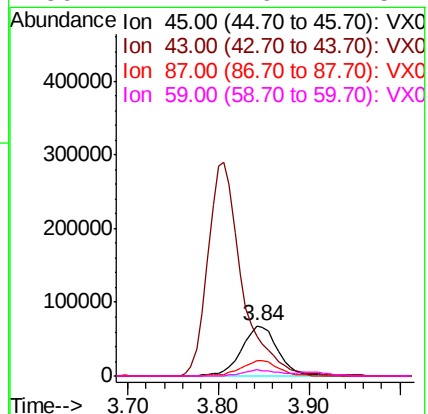
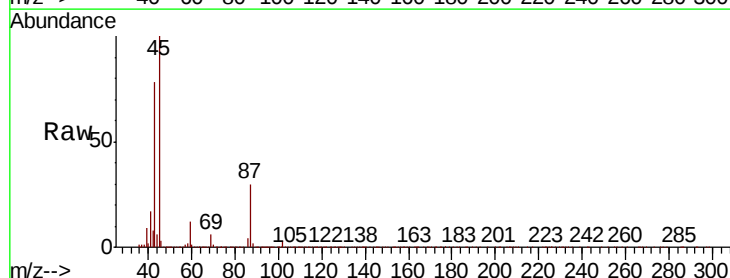
Ion Ratio Lower Upper

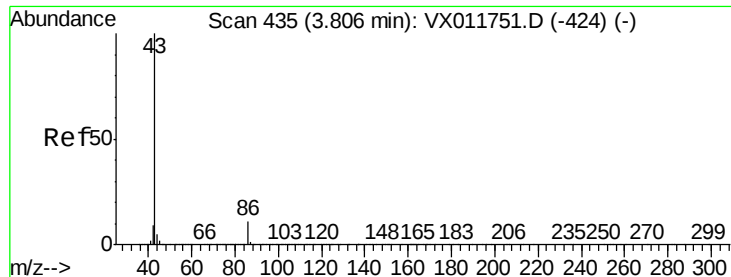
45 100

43 76.9 53.0 79.6

87 30.1 24.7 37.1

59 11.4 9.1 13.7

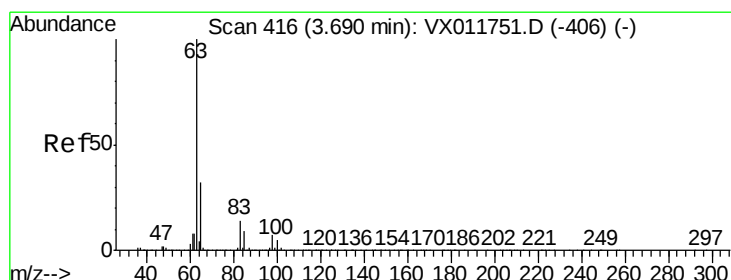
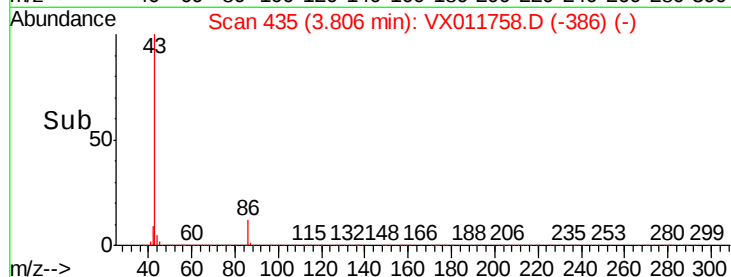
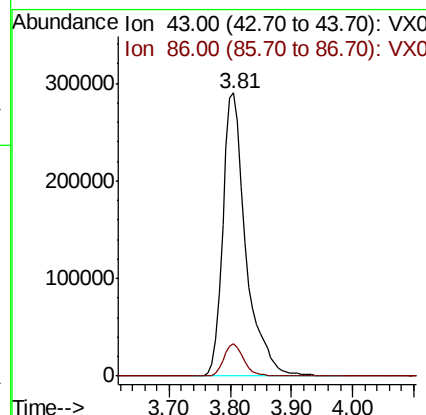
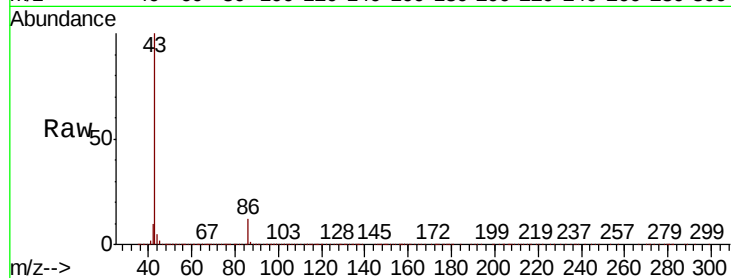




#23  
 Vinyl Acetate  
 Concen: 104.429 ug/l  
 RT: 3.81 min Scan# 435  
 Delta R.T. -0.00 min  
 Lab File: VX011758.D  
 Acq: 22 Aug 2019 13:47

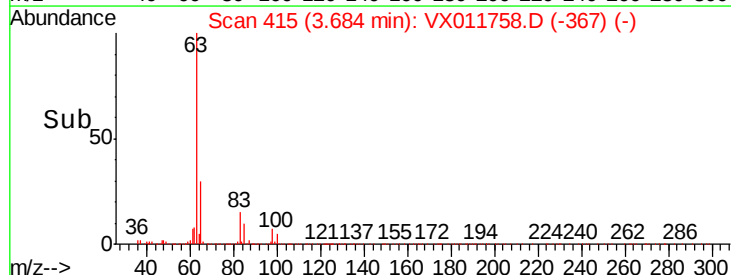
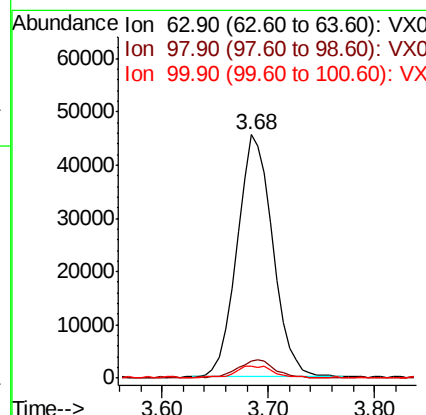
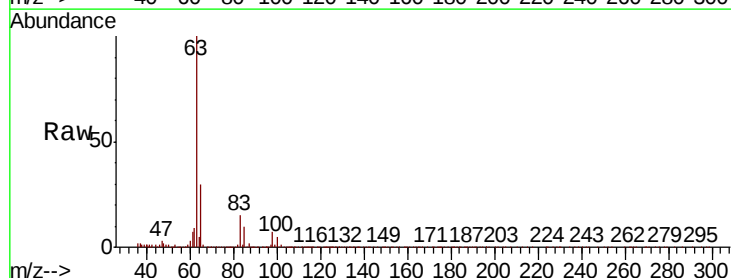
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBS01

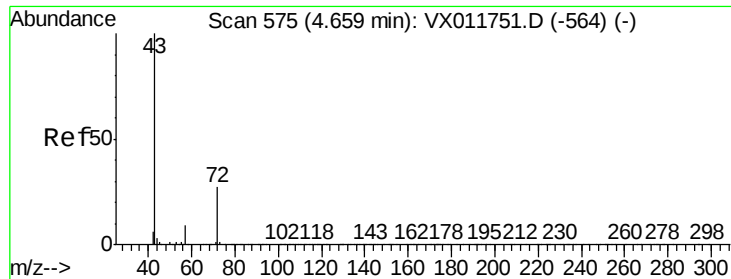
Tgt Ion: 43 Resp: 764220  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 9.2 13.8



#24  
 1,1-Dichloroethane  
 Concen: 20.521 ug/l  
 RT: 3.68 min Scan# 415  
 Delta R.T. -0.01 min  
 Lab File: VX011758.D  
 Acq: 22 Aug 2019 13:47

Tgt Ion: 63 Resp: 107092  
 Ion Ratio Lower Upper  
 63 100  
 98 6.9 3.7 11.1  
 100 5.0 2.3 6.9





#25

2-Butanone

Concen: 102.388 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

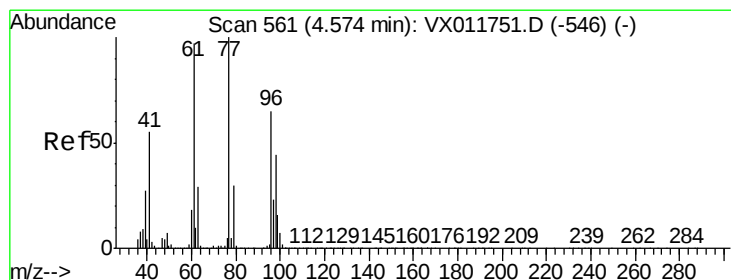
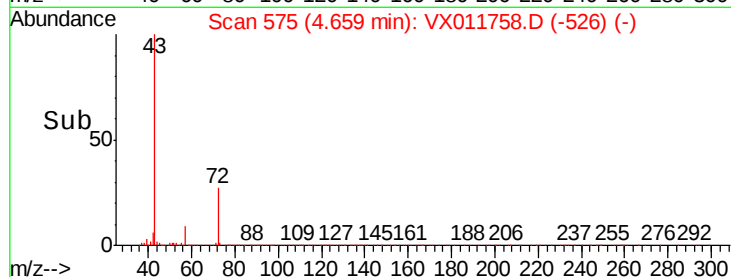
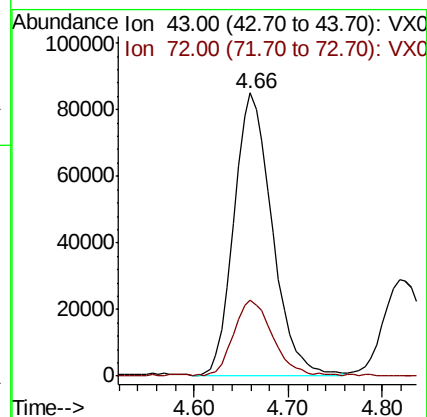
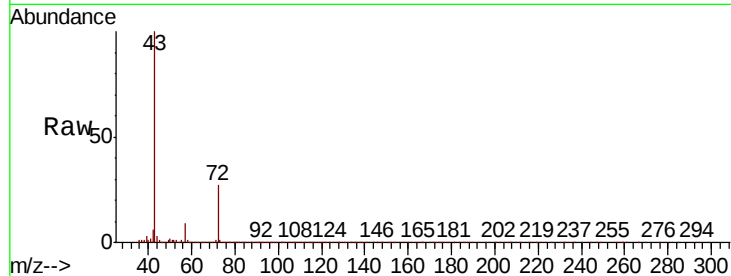
VX0822WBS01

Tgt Ion: 43 Resp: 238284

Ion Ratio Lower Upper

43 100

72 26.8 21.8 32.6



#26

2,2-Dichloropropane

Concen: 20.618 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.00 min

Lab File: VX011758.D

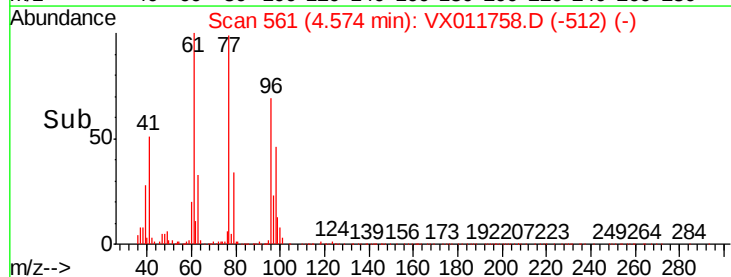
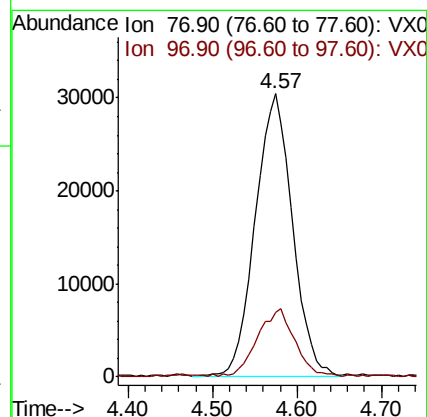
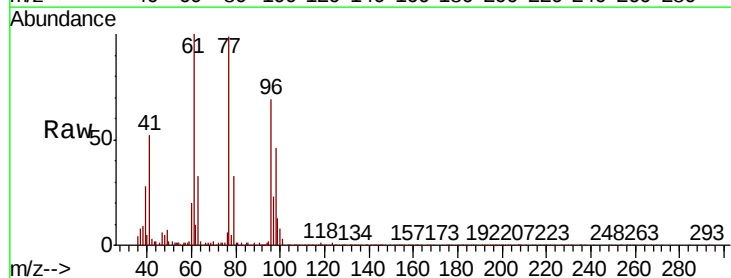
Acq: 22 Aug 2019 13:47

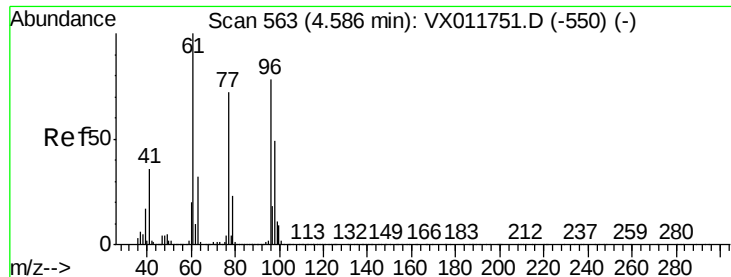
Tgt Ion: 77 Resp: 91373

Ion Ratio Lower Upper

77 100

97 23.8 12.2 36.6



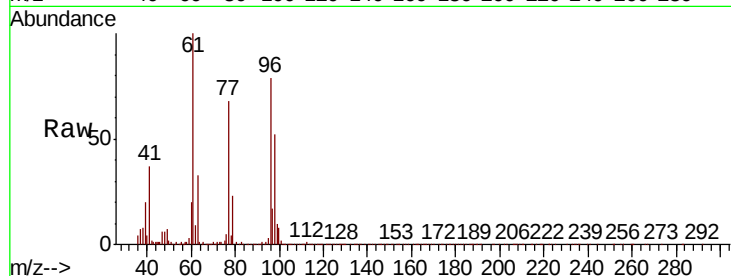


#27

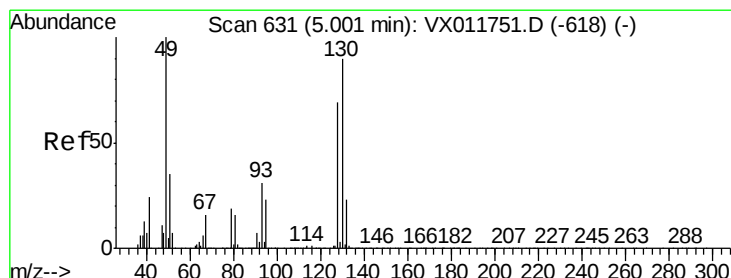
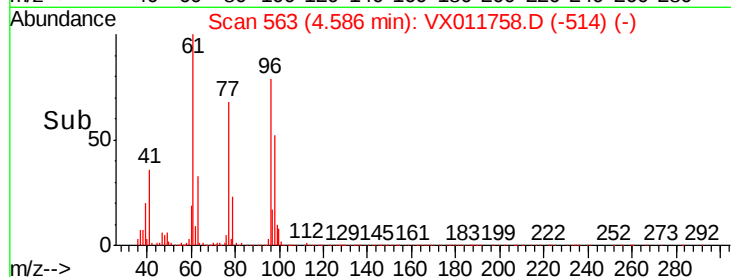
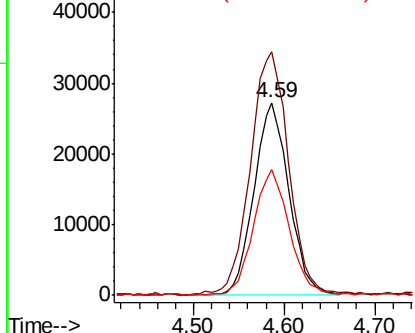
cis-1,2-Dichloroethene  
Concen: 20.051 ug/l  
RT: 4.59 min Scan# 563  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

Tgt Ion: 96 Resp: 72329  
Ion Ratio Lower Upper  
96 100  
61 138.5 0.0 275.8  
98 66.4 0.0 128.2



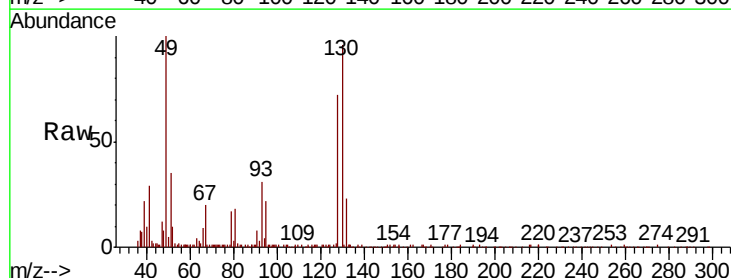
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



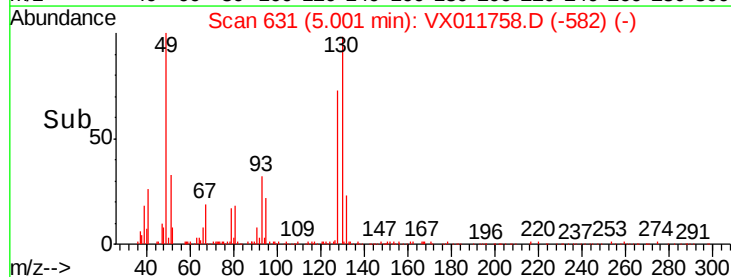
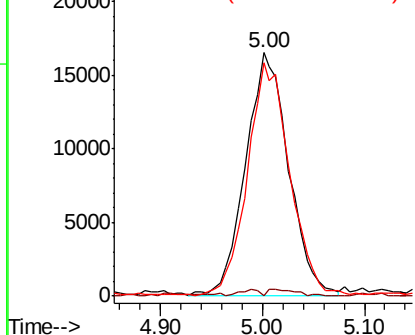
#28

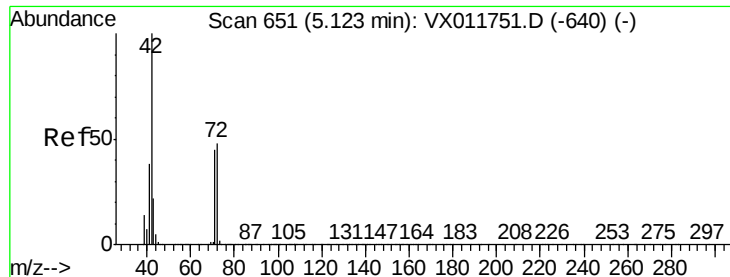
Bromochloromethane  
Concen: 20.518 ug/l  
RT: 5.00 min Scan# 631  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 49 Resp: 48605  
Ion Ratio Lower Upper  
49 100  
129 1.8 0.0 5.8  
130 94.6 76.8 115.2



Abundance Ion 48.90 (48.60 to 49.60): VX0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V

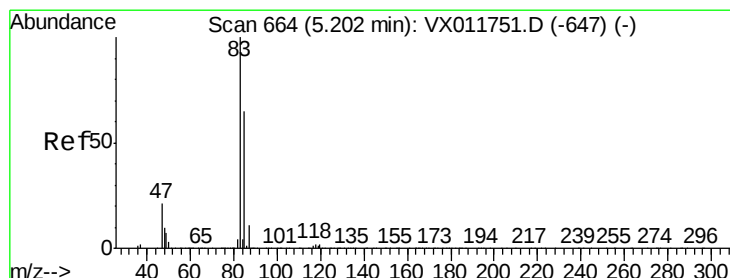
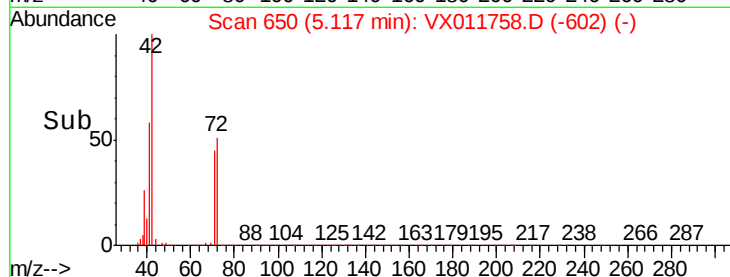
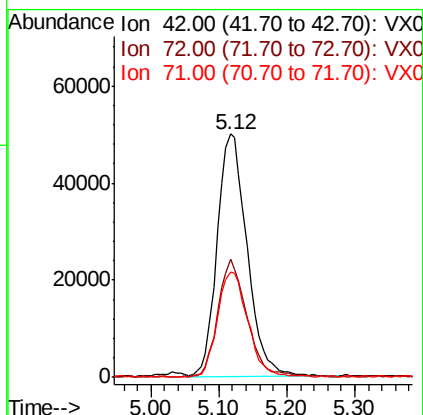
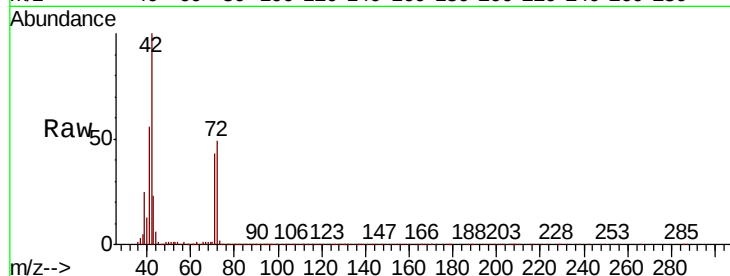




#29  
Tetrahydrofuran  
Concen: 101.642 ug/l  
RT: 5.12 min Scan# 650  
Delta R.T. -0.01 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

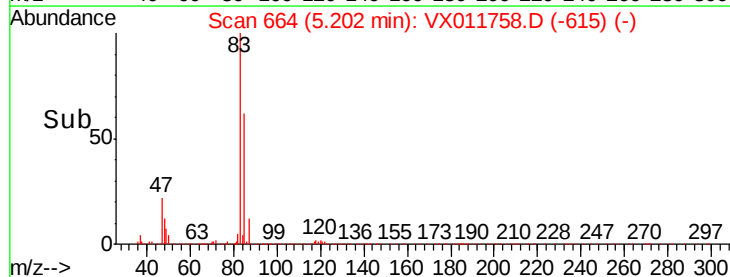
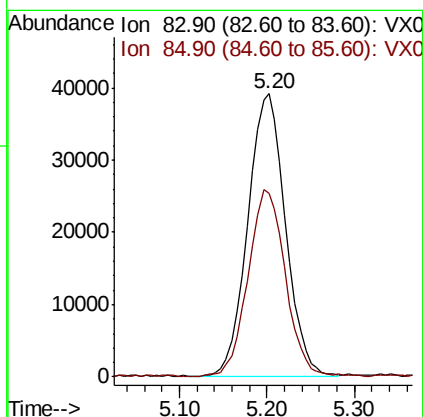
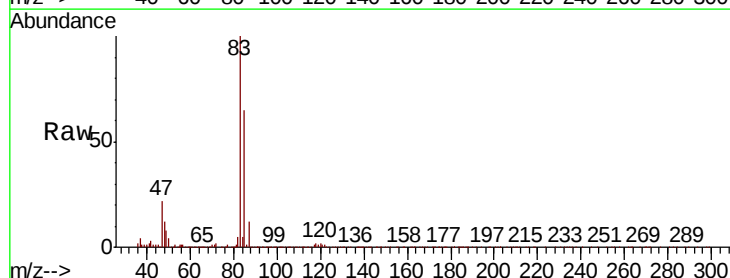
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

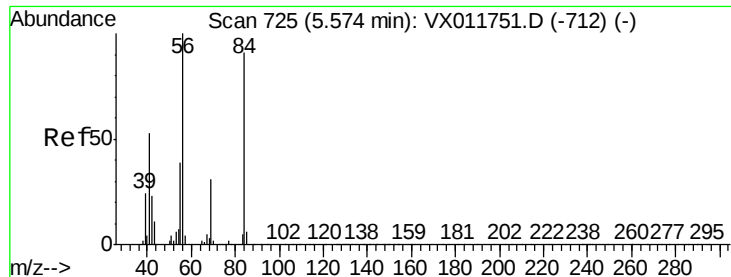
Tgt Ion: 42 Resp: 151633  
Ion Ratio Lower Upper  
42 100  
72 47.3 37.6 56.4  
71 45.1 34.6 51.8



#30  
Chloroform  
Concen: 20.656 ug/l  
RT: 5.20 min Scan# 664  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 83 Resp: 116953  
Ion Ratio Lower Upper  
83 100  
85 64.2 51.8 77.8

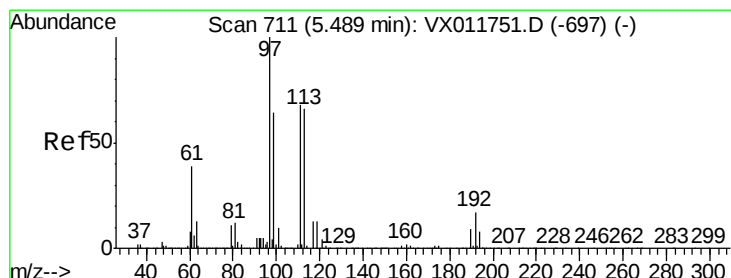
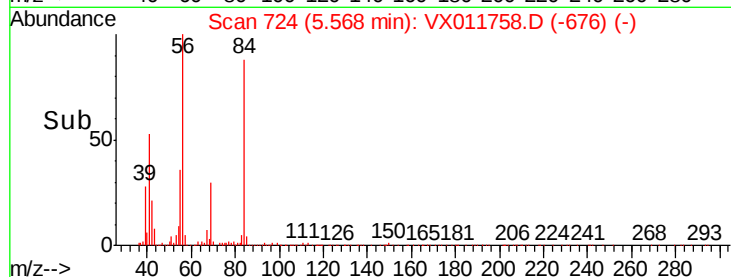
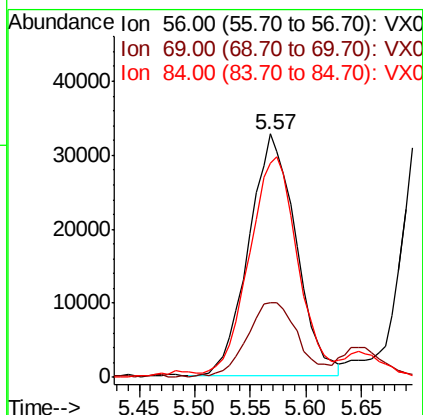
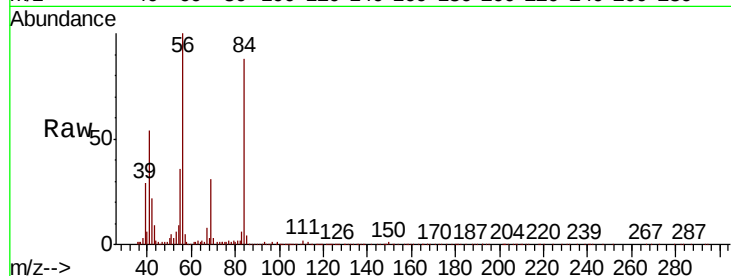




#31  
Cyclohexane  
Concen: 21.040 ug/l  
RT: 5.57 min Scan# 724  
Delta R.T. -0.01 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

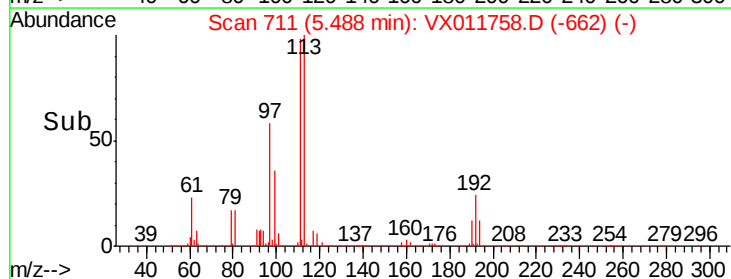
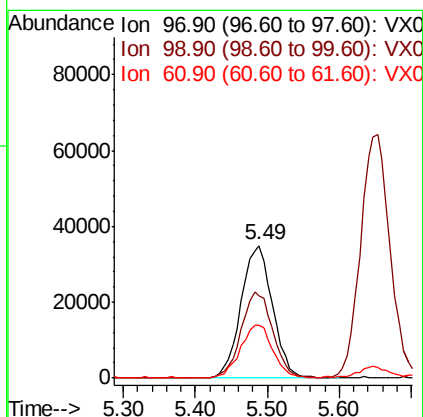
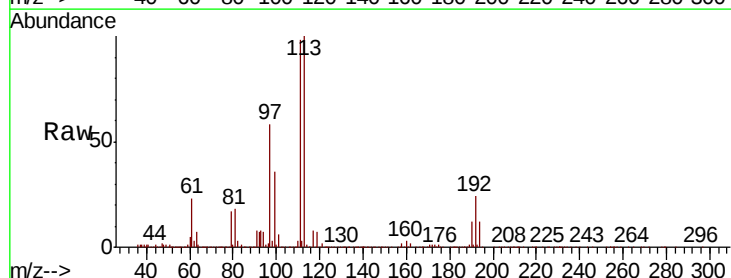
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

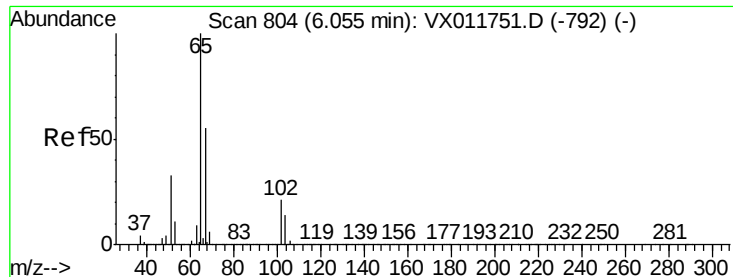
Tgt Ion: 56 Resp: 96428  
Ion Ratio Lower Upper  
56 100  
69 30.4 24.5 36.7  
84 86.1 72.7 109.1



#32  
1,1,1-Trichloroethane  
Concen: 21.483 ug/l  
RT: 5.49 min Scan# 711  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 97 Resp: 105729  
Ion Ratio Lower Upper  
97 100  
99 65.0 51.4 77.0  
61 40.3 31.6 47.4





#33

1,2-Dichloroethane-d4

Concen: 52.413 ug/l

RT: 6.05 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

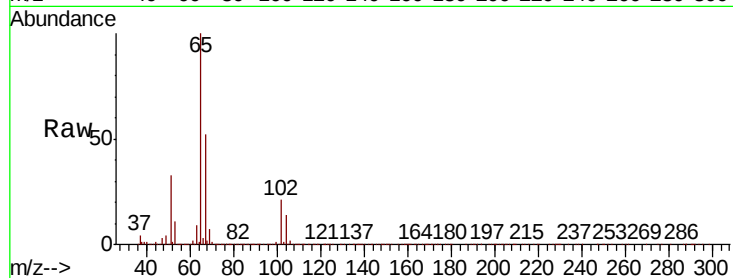
VX0822WBS01

Tgt Ion: 65 Resp: 195357

Ion Ratio Lower Upper

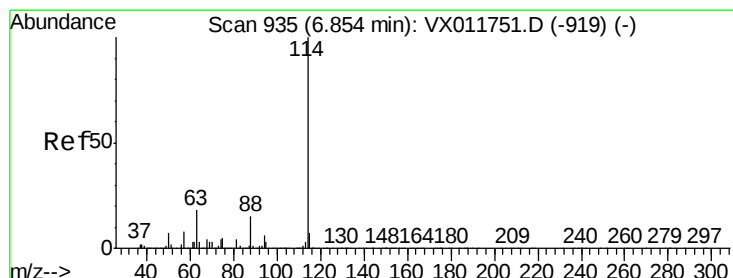
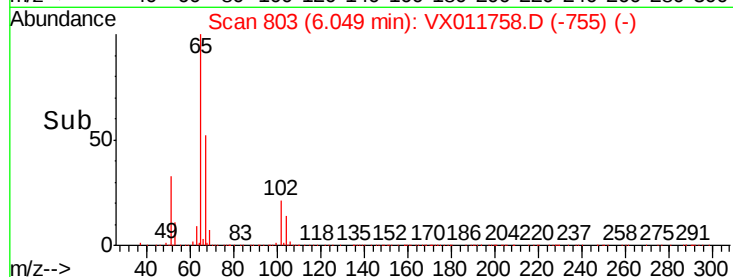
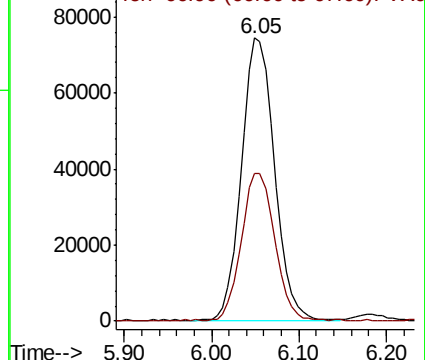
65 100

67 52.5 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. -0.01 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

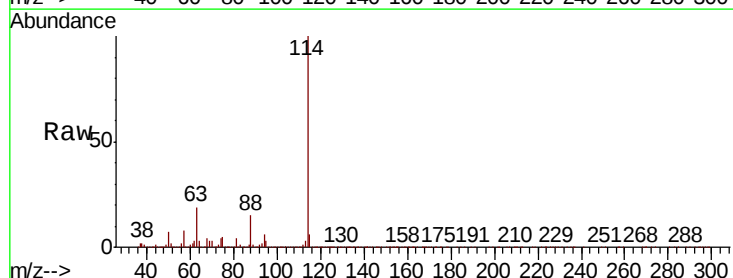
Tgt Ion: 114 Resp: 508284

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

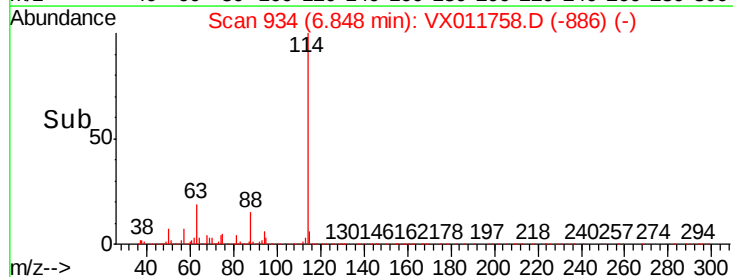
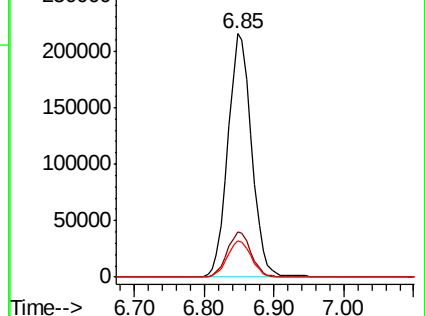
88 14.9 0.0 30.2

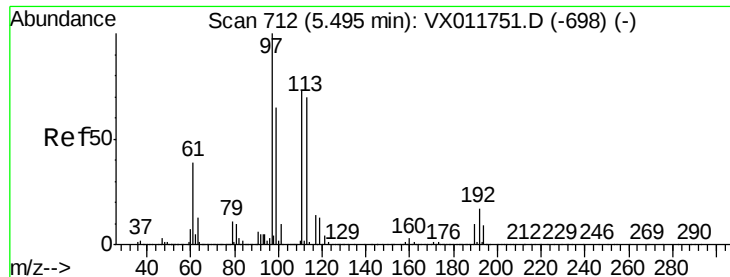


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.040 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

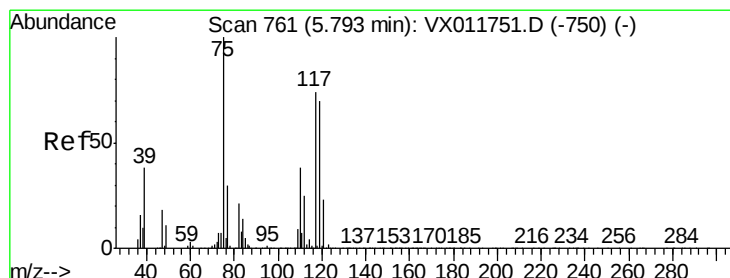
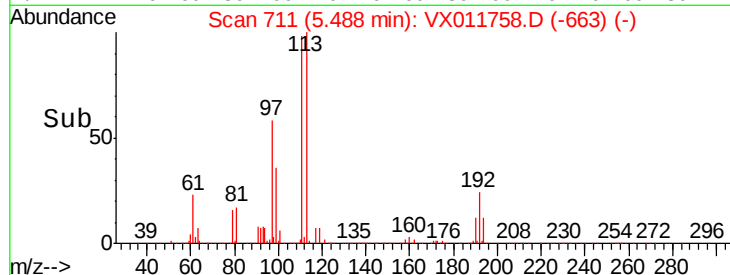
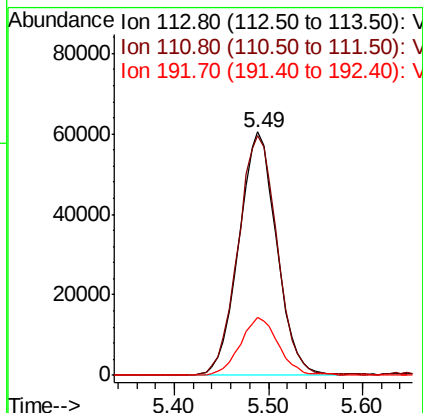
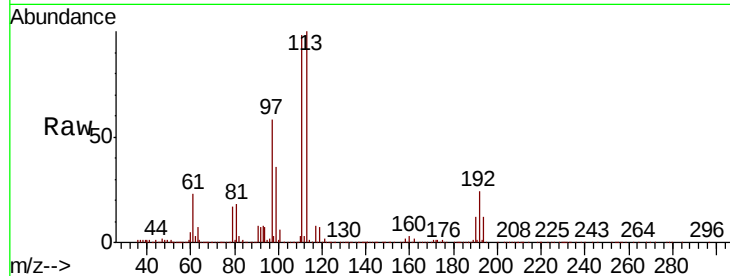
Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 167757 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.7 | 81.0  | 121.4  |
| 192      | 24.5  | 19.9  | 29.9   |



#36

1,1-Dichloropropene

Concen: 21.314 ug/l

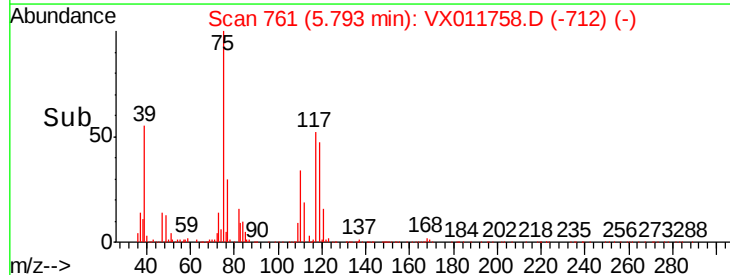
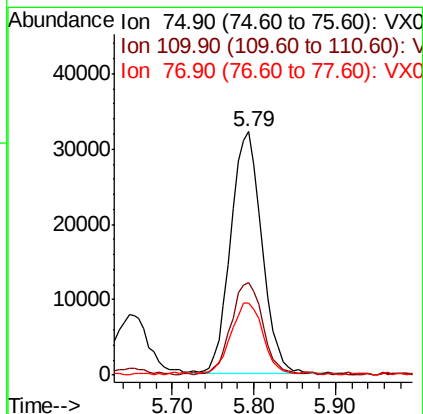
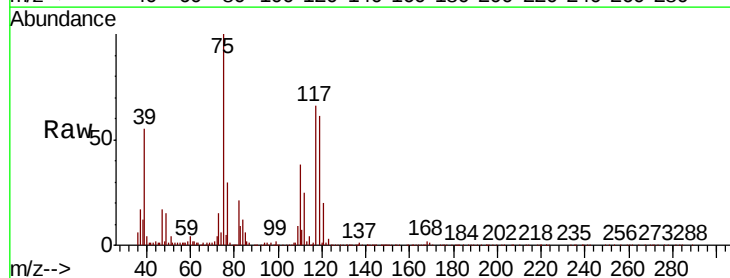
RT: 5.79 min Scan# 761

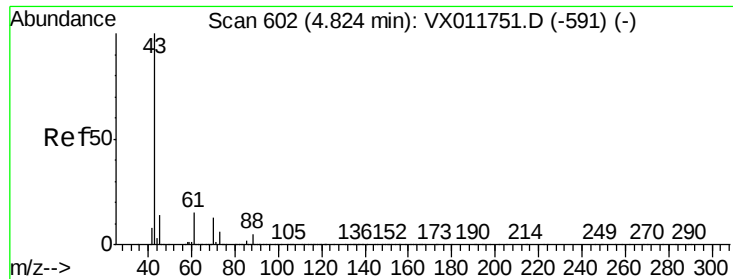
Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 84954 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 38.9  | 19.0  | 57.0  |
| 77       | 30.7  | 24.6  | 36.8  |

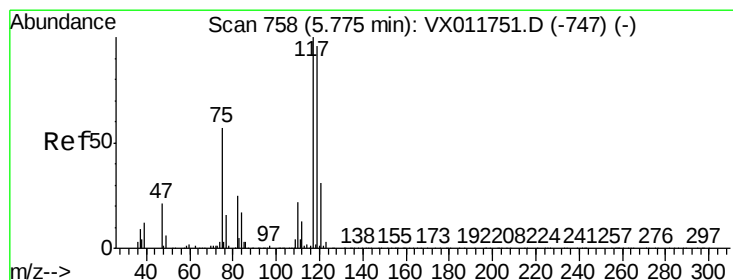
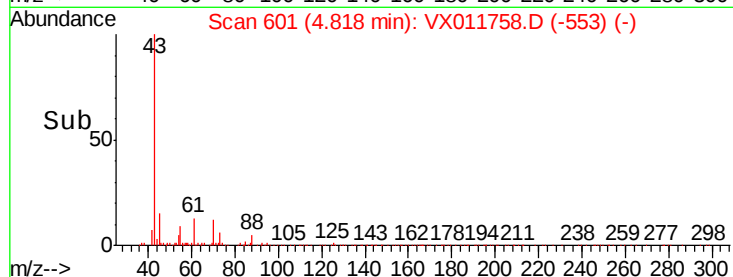
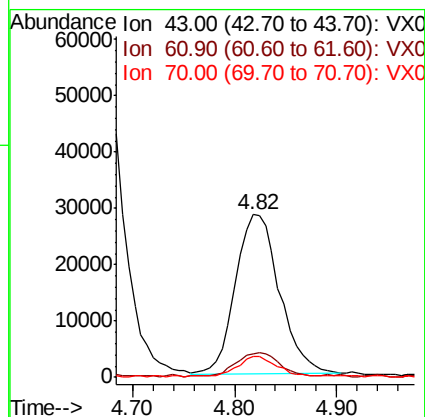
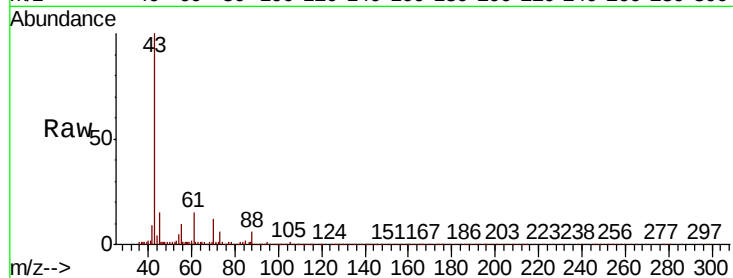




#37  
Ethyl Acetate  
Concen: 20.154 ug/l  
RT: 4.82 min Scan# 601  
Delta R.T. -0.01 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

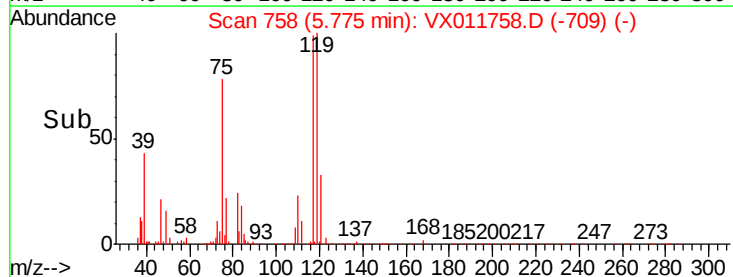
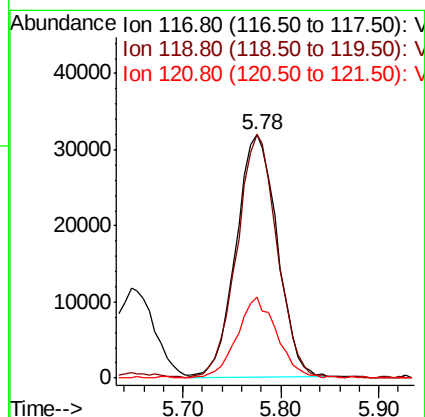
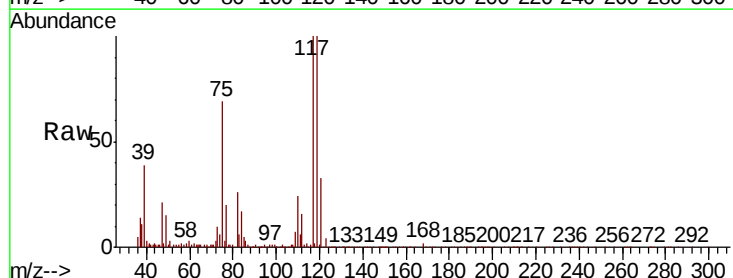
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

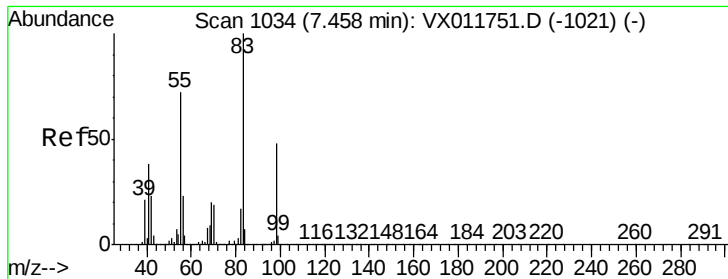
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 85011 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 14.3  | 11.5  | 17.3  |
| 70       | 12.7  | 9.5   | 14.3  |



#38  
Carbon Tetrachloride  
Concen: 20.624 ug/l  
RT: 5.78 min Scan# 758  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 93164 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 100.1 | 76.6  | 114.8 |
| 121      | 33.3  | 25.2  | 37.8  |

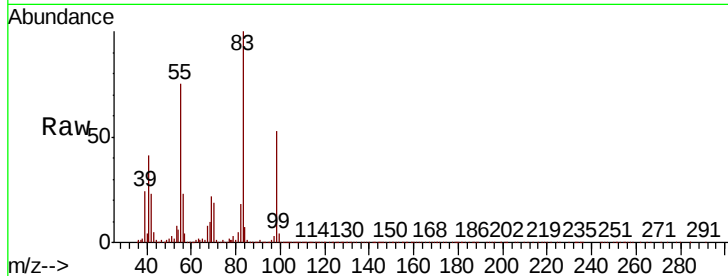




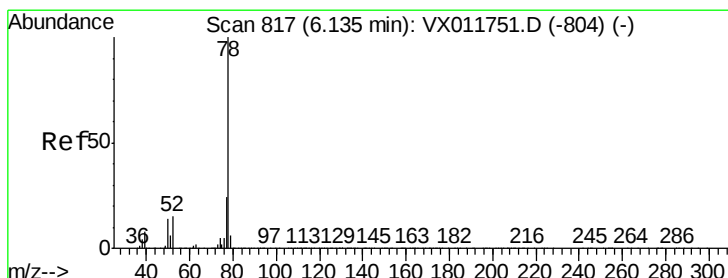
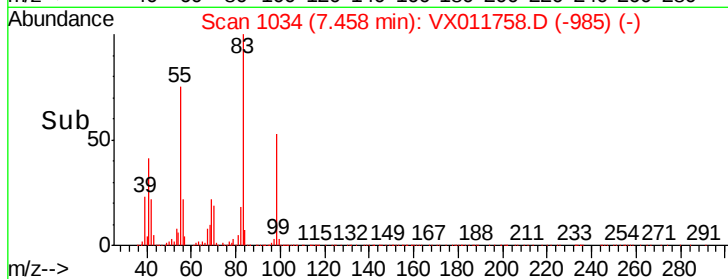
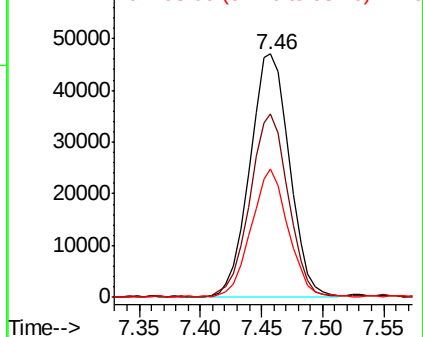
#39  
Methylcyclohexane  
Concen: 21.246 ug/l  
RT: 7.46 min Scan# 1034  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

Tgt Ion: 83 Resp: 104939  
Ion Ratio Lower Upper  
83 100  
55 75.0 57.8 86.6  
98 52.1 38.6 58.0

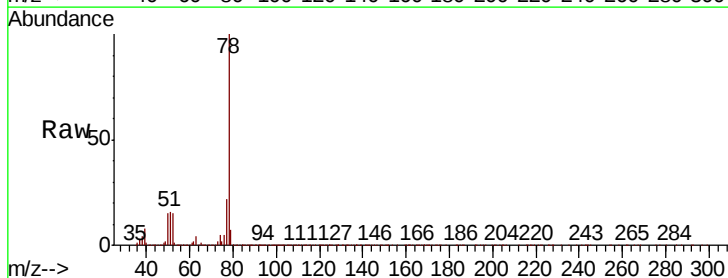


Abundance Ion 83.00 (82.70 to 83.70): VX0  
Ion 55.00 (54.70 to 55.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0

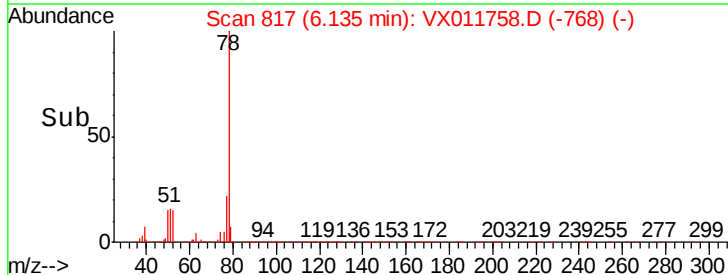
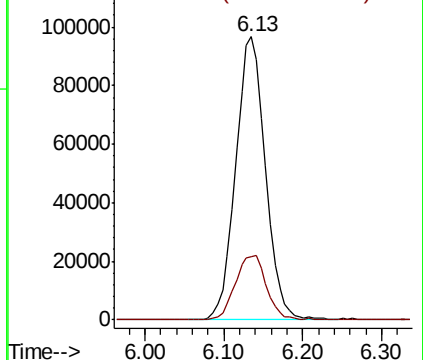


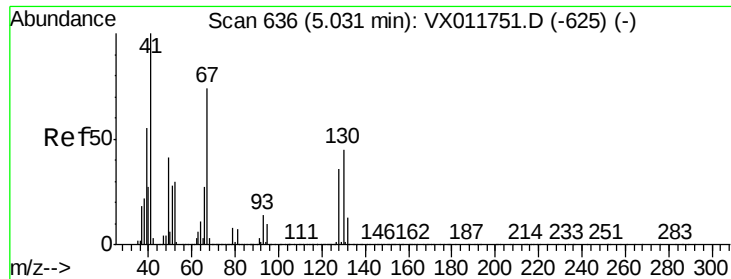
#40  
Benzene  
Concen: 20.412 ug/l  
RT: 6.13 min Scan# 817  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 78 Resp: 251678  
Ion Ratio Lower Upper  
78 100  
77 22.1 19.1 28.7



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

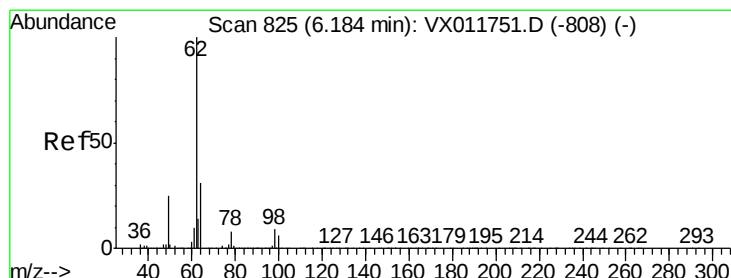
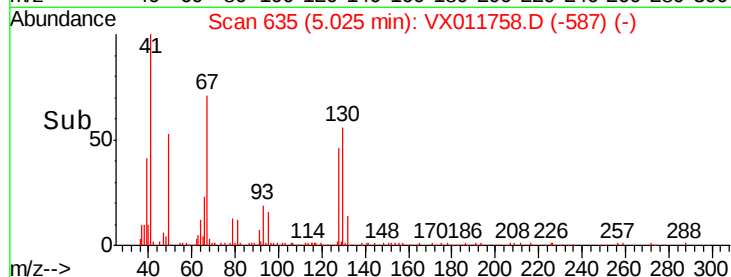
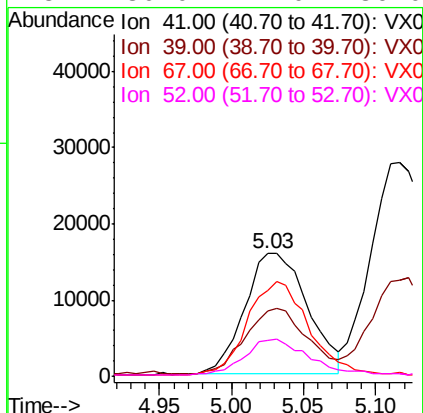
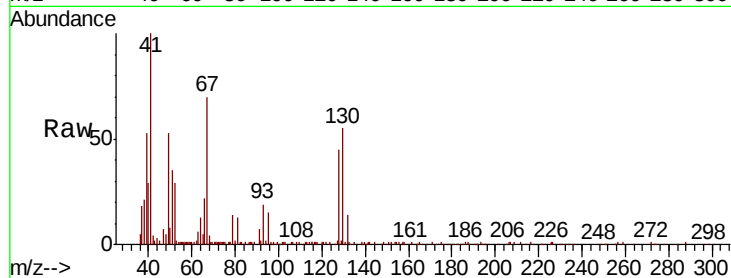




#41  
Methacrylonitrile  
Concen: 19.612 ug/l  
RT: 5.03 min Scan# 635  
Delta R.T. -0.01 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

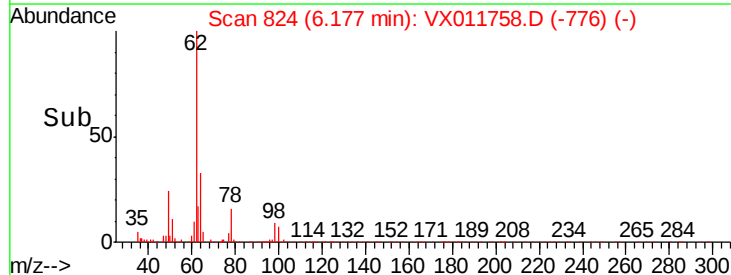
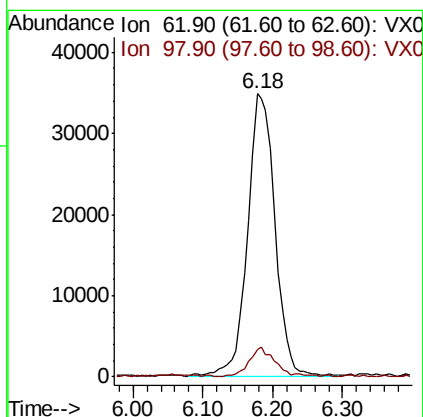
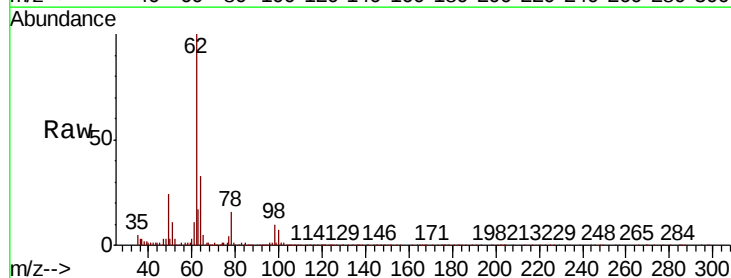
Instrument :  
MSVOA\_X  
ClientSampled :  
VX0822WBS01

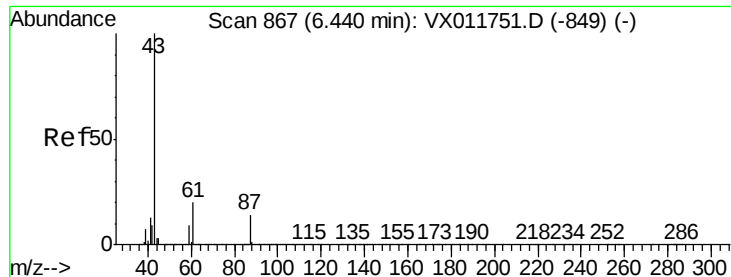
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 48110 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.6  | 44.3  | 66.5  |
| 67       | 75.8  | 60.3  | 90.5  |
| 52       | 30.0  | 24.0  | 36.0  |



#42  
1,2-Dichloroethane  
Concen: 20.913 ug/l  
RT: 6.18 min Scan# 824  
Delta R.T. -0.01 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 94261 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.2   | 0.0   | 18.8  |



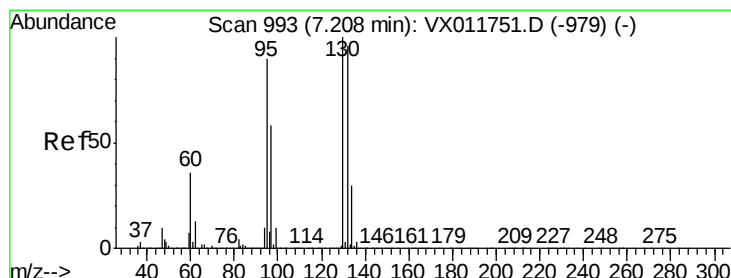
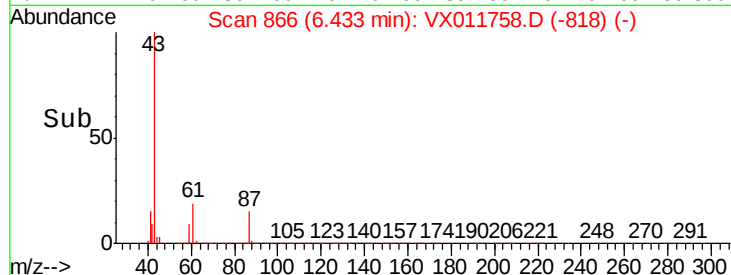
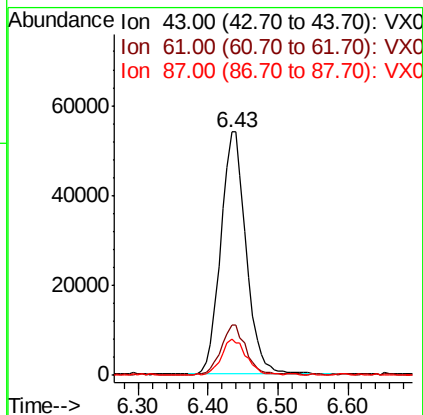
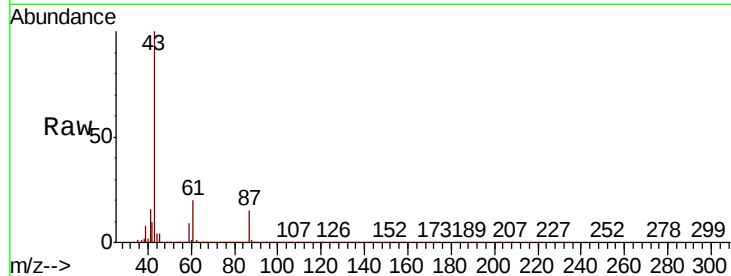


#43

Isopropyl Acetate  
 Concen: 19.947 ug/l  
 RT: 6.43 min Scan# 866  
 Delta R.T. -0.01 min  
 Lab File: VX011758.D  
 Acq: 22 Aug 2019 13:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBS01

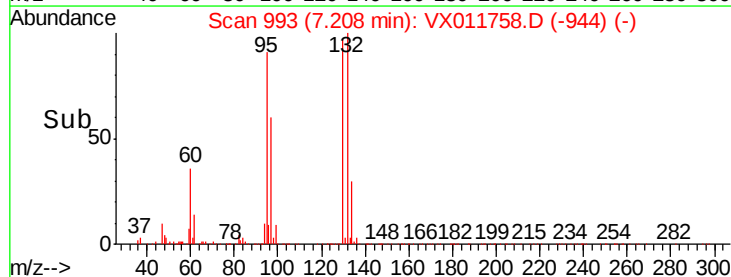
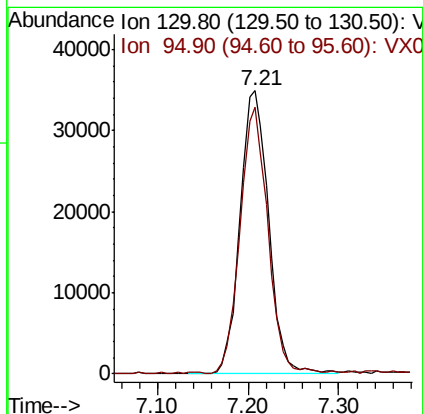
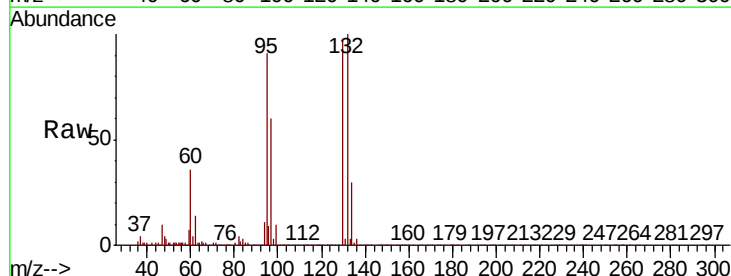
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.8  | 16.2  | 24.2  |
| 87      | 14.4  | 11.6  | 17.4  |

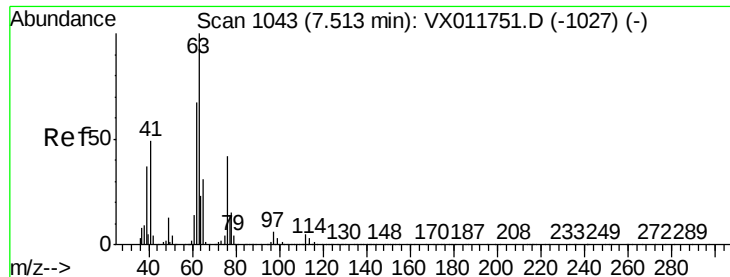


#44

Trichloroethene  
 Concen: 20.110 ug/l  
 RT: 7.21 min Scan# 993  
 Delta R.T. -0.00 min  
 Lab File: VX011758.D  
 Acq: 22 Aug 2019 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 93.8  | 0.0   | 179.0 |





#45

1,2-Dichloropropane

Concen: 20.134 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

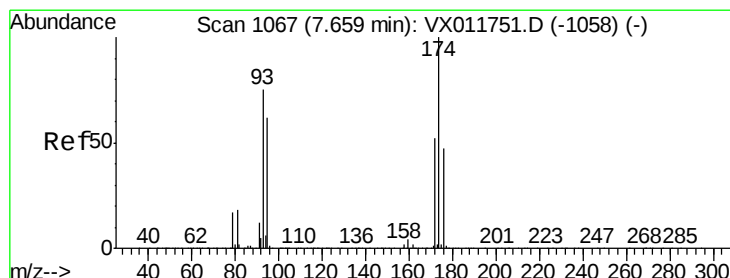
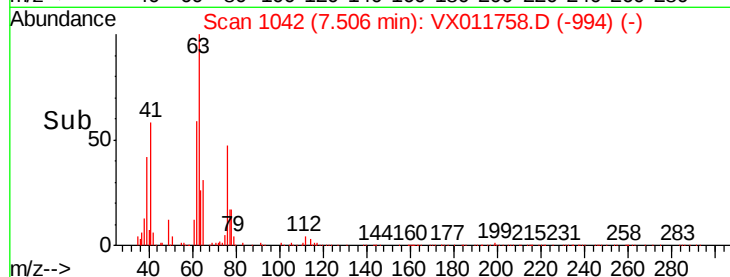
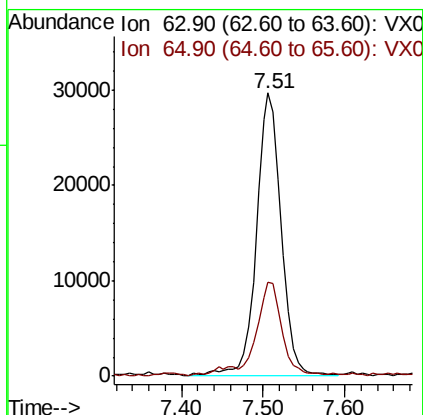
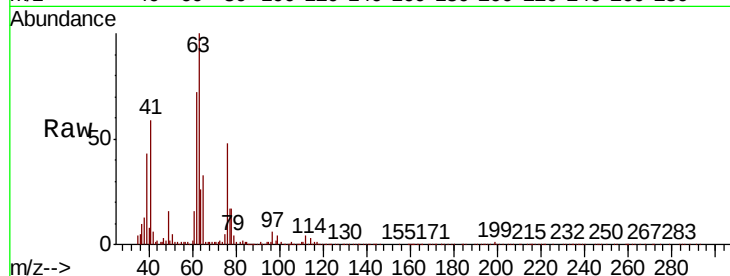
VX0822WBS01

Tgt Ion: 63 Resp: 62399

Ion Ratio Lower Upper

63 100

65 32.9 24.8 37.2



#46

Dibromomethane

Concen: 20.090 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

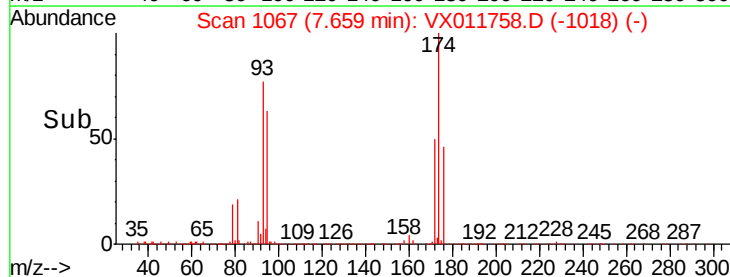
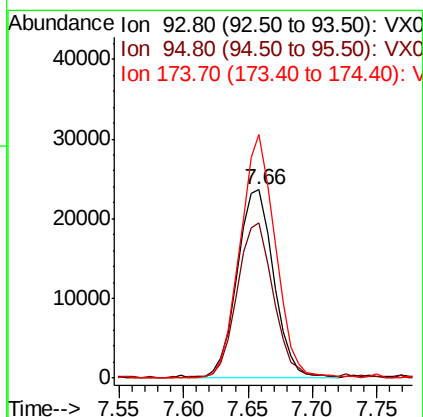
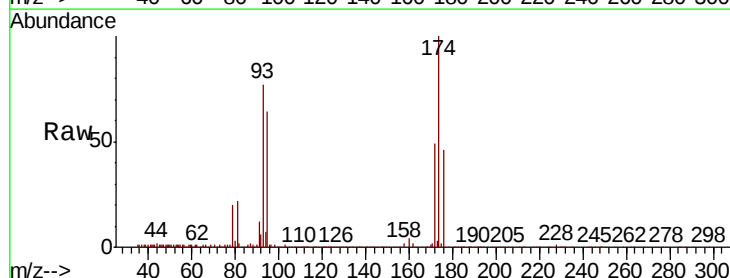
Tgt Ion: 93 Resp: 45905

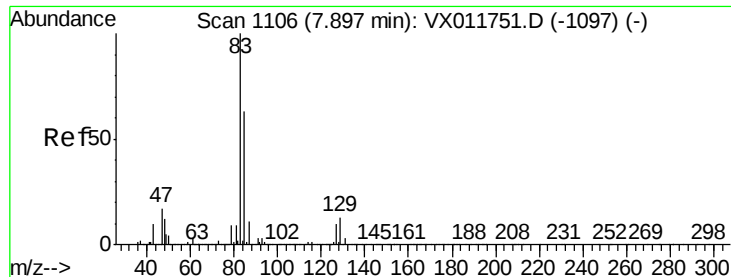
Ion Ratio Lower Upper

93 100

95 84.1 66.2 99.2

174 126.7 104.2 156.4





#47

Bromodichloromethane

Concen: 20.246 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBS01

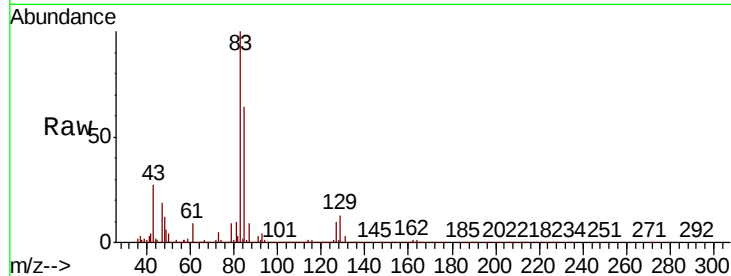
Tgt Ion: 83 Resp: 83275

Ion Ratio Lower Upper

83 100

85 63.5 50.6 76.0

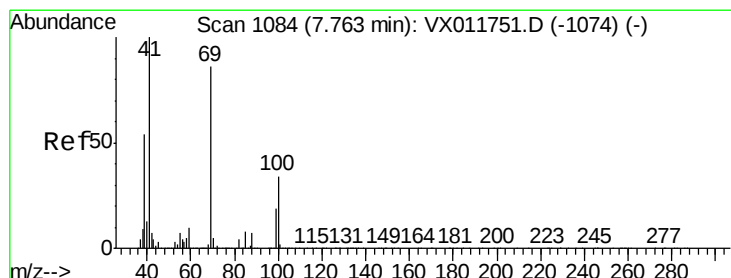
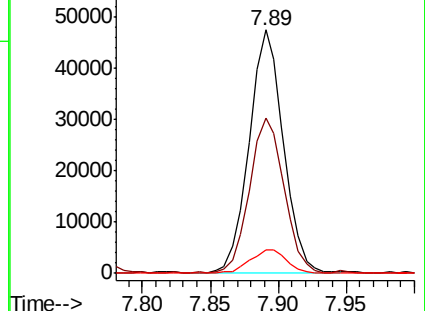
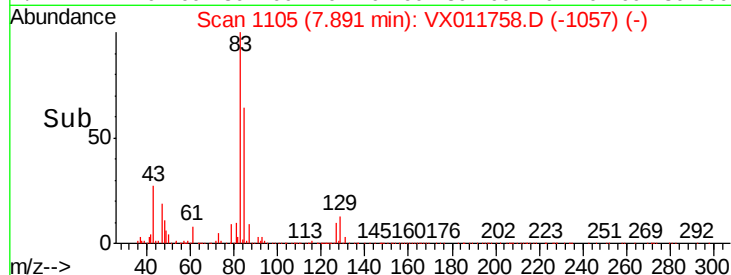
127 9.7 8.4 12.6



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: 20.333 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

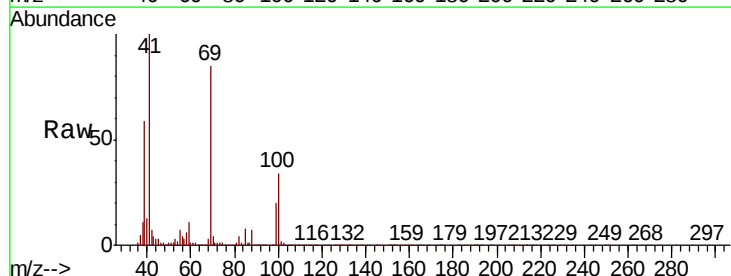
Tgt Ion: 41 Resp: 69083

Ion Ratio Lower Upper

41 100

69 86.7 69.4 104.2

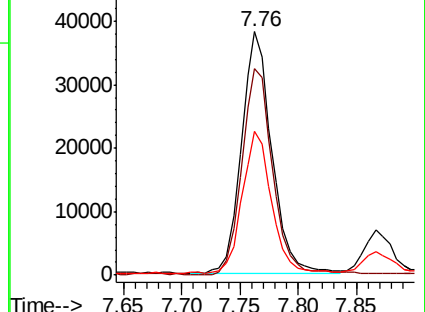
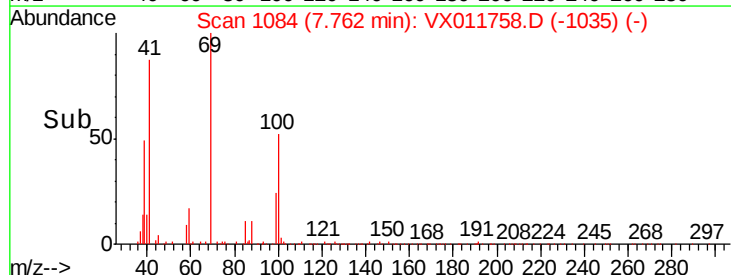
39 56.9 43.6 65.4

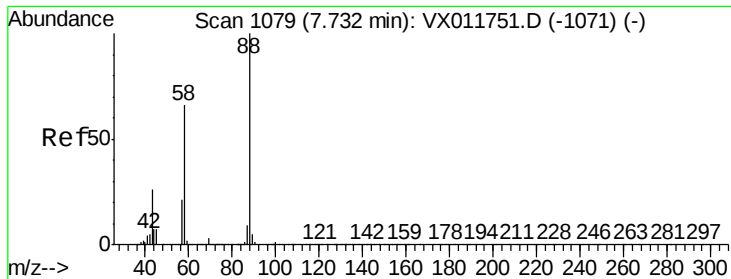


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 381.926 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBS01

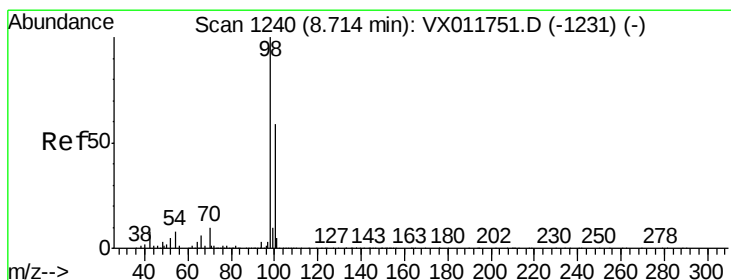
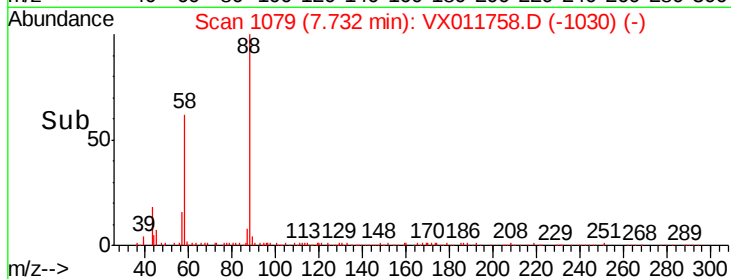
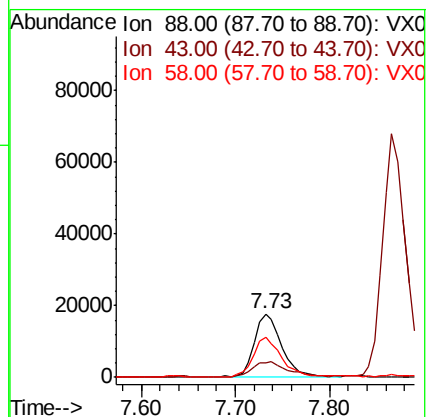
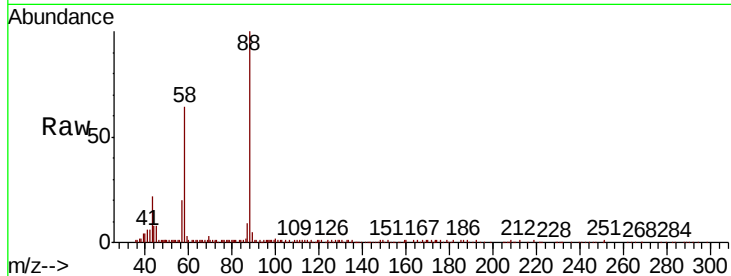
Tgt Ion: 88 Resp: 35953

Ion Ratio Lower Upper

88 100

43 32.1 24.6 37.0

58 65.2 51.4 77.2



#50

Toluene-d8

Concen: 53.801 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VX011758.D

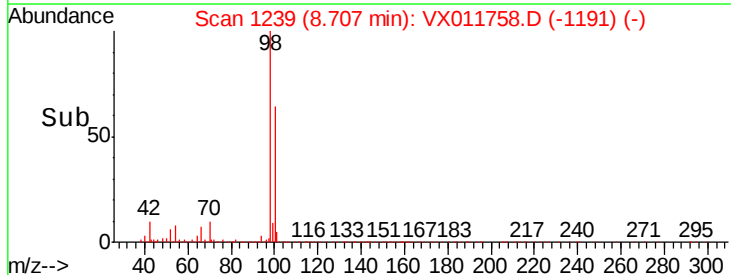
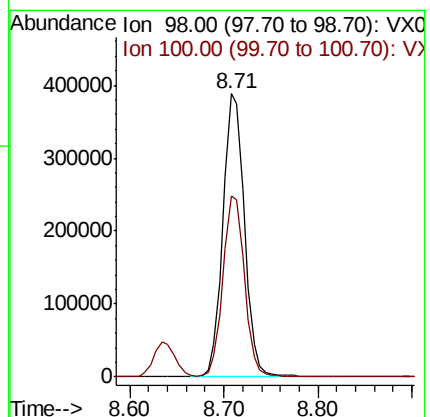
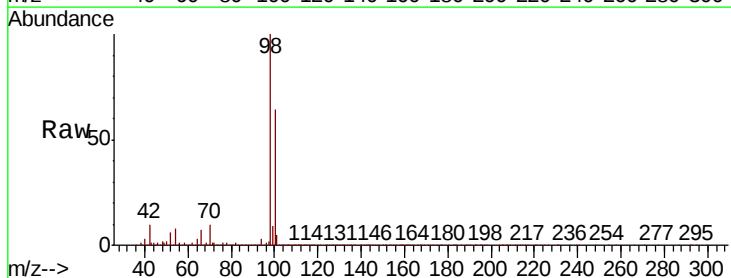
Acq: 22 Aug 2019 13:47

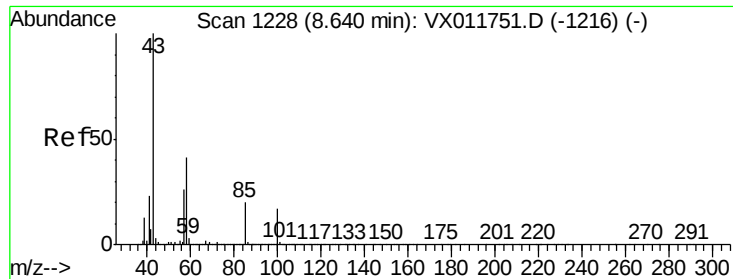
Tgt Ion: 98 Resp: 616792

Ion Ratio Lower Upper

98 100

100 64.0 52.1 78.1

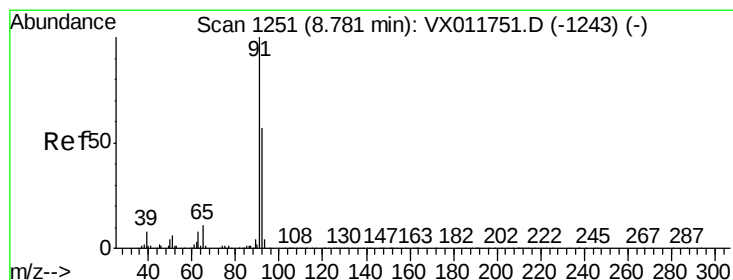
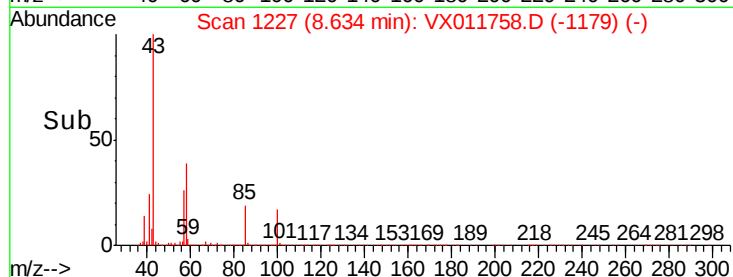
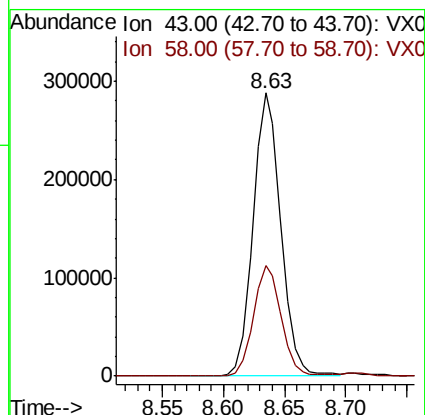
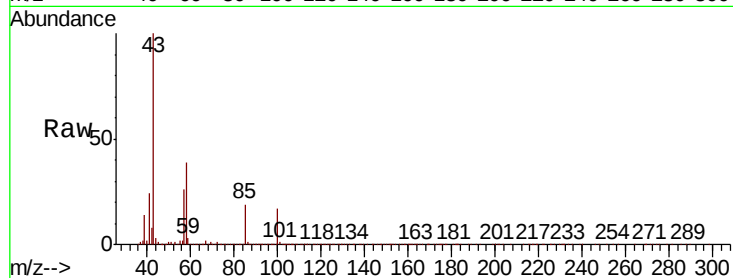




#51  
4-Methyl-2-Pentanone  
Concen: 100.942 ug/l  
RT: 8.63 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

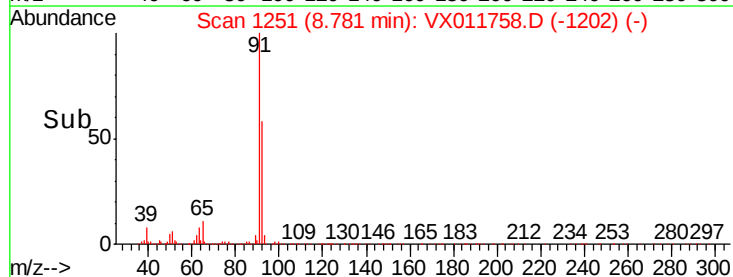
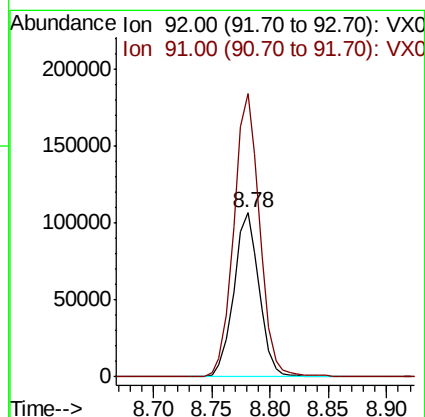
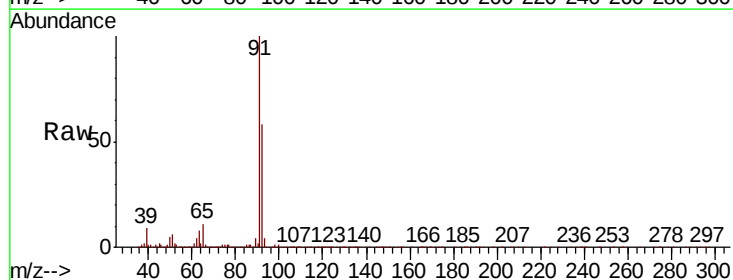
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

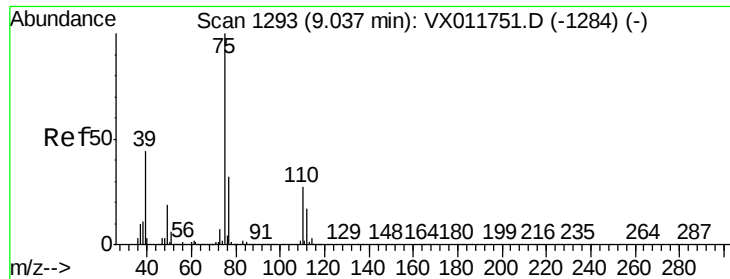
Tgt Ion: 43 Resp: 454084  
Ion Ratio Lower Upper  
43 100  
58 39.2 31.8 47.6



#52  
Toluene  
Concen: 20.316 ug/l  
RT: 8.78 min Scan# 1251  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 92 Resp: 162106  
Ion Ratio Lower Upper  
92 100  
91 175.0 138.6 207.8

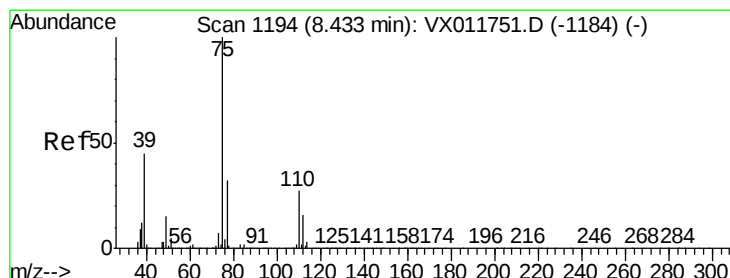
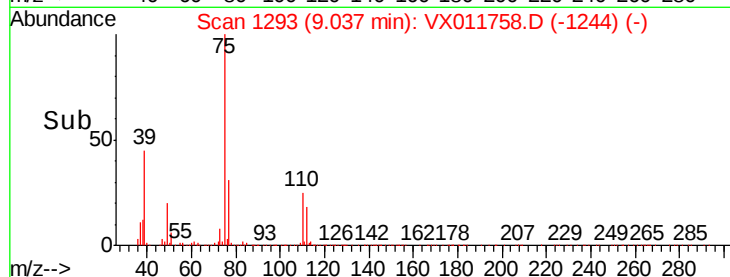
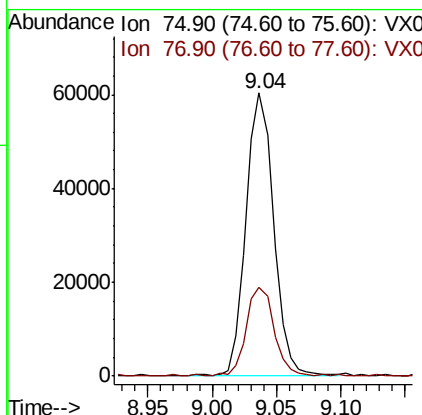
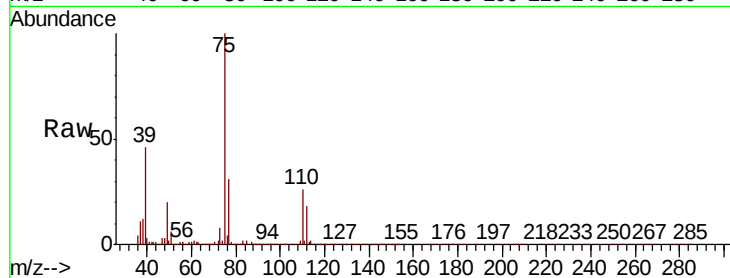




#53  
 t-1,3-Dichloropropene  
 Concen: 20.627 ug/l  
 RT: 9.04 min Scan# 1293  
 Delta R.T. -0.00 min  
 Lab File: VX011758.D  
 Acq: 22 Aug 2019 13:47

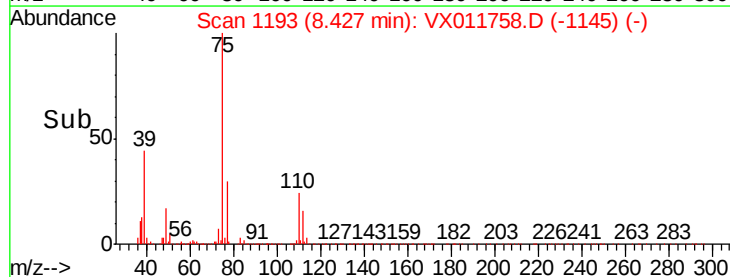
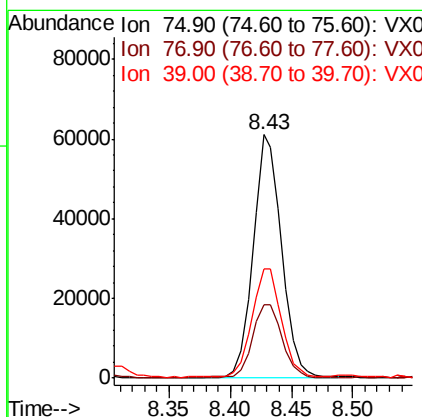
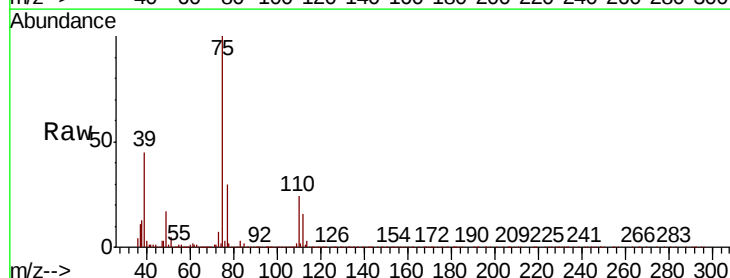
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBS01

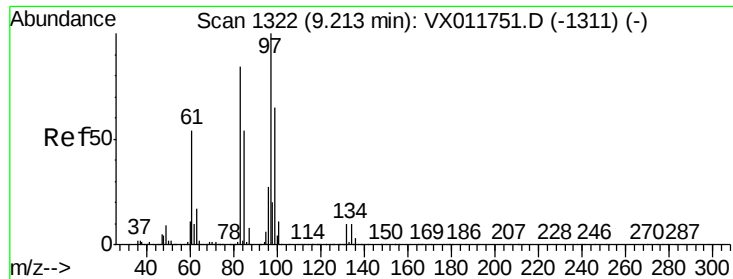
Tgt Ion: 75 Resp: 89065  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.086 ug/l  
 RT: 8.43 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: VX011758.D  
 Acq: 22 Aug 2019 13:47

Tgt Ion: 75 Resp: 99326  
 Ion Ratio Lower Upper  
 75 100  
 77 29.9 25.4 38.2  
 39 44.1 36.2 54.4





#55

1,1,2-Trichloroethane

Concen: 20.412 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBS01

Tgt Ion: 97 Resp: 67855

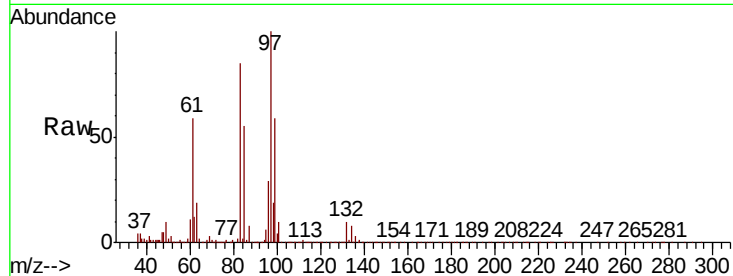
Ion Ratio Lower Upper

97 100

83 84.8 67.3 100.9

85 54.4 43.4 65.2

99 59.0 51.8 77.6

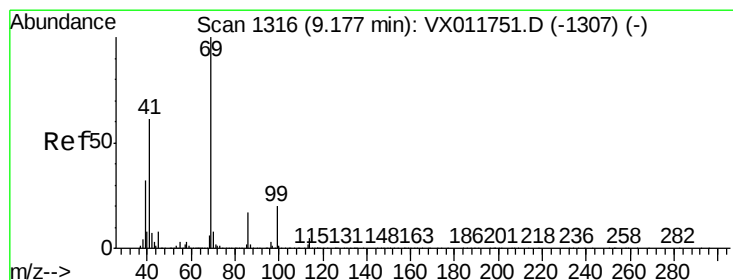
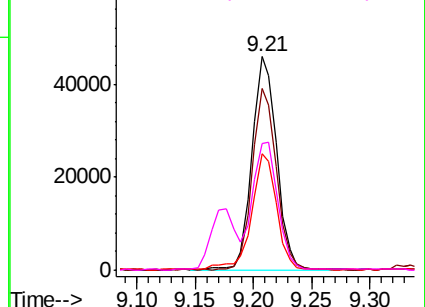
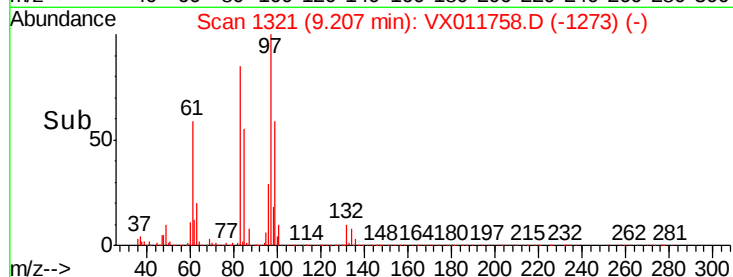


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.663 ug/l

RT: 9.17 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

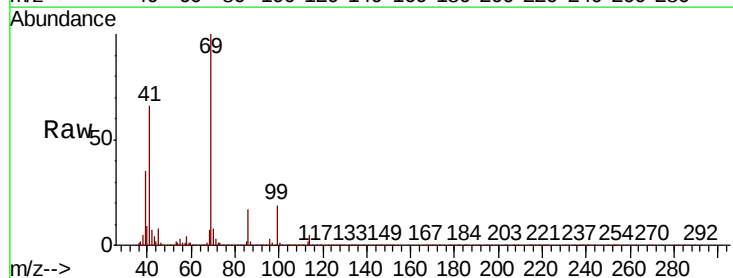
Tgt Ion: 69 Resp: 97688

Ion Ratio Lower Upper

69 100

41 66.0 50.7 76.1

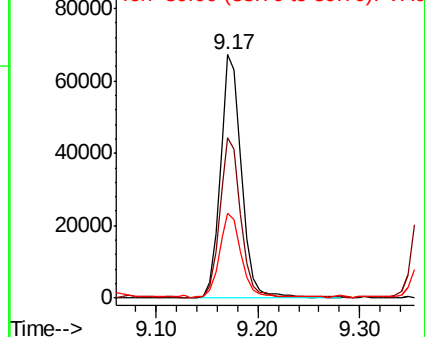
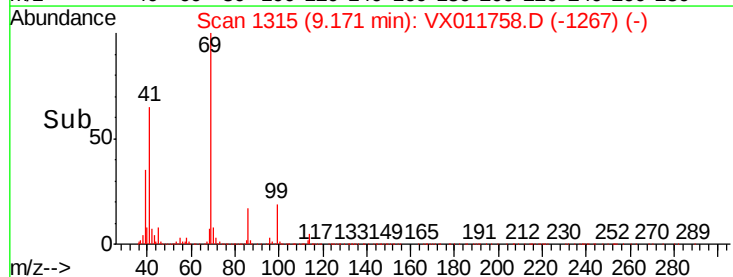
39 35.5 26.4 39.6

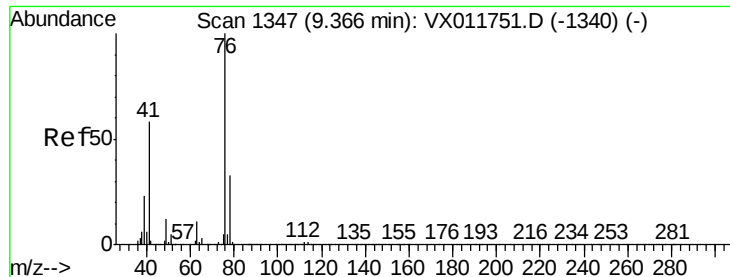


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.390 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

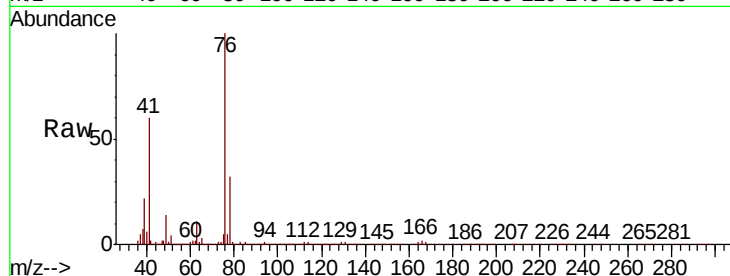
VX0822WBS01

Tgt Ion: 76 Resp: 109449

Ion Ratio Lower Upper

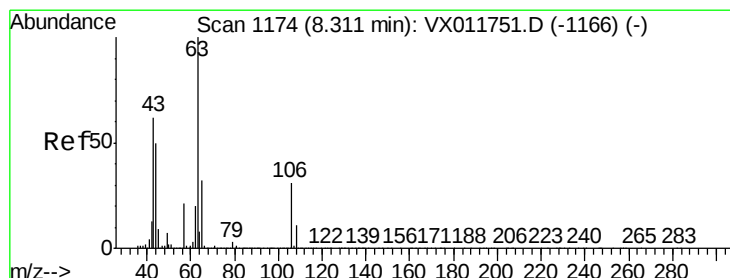
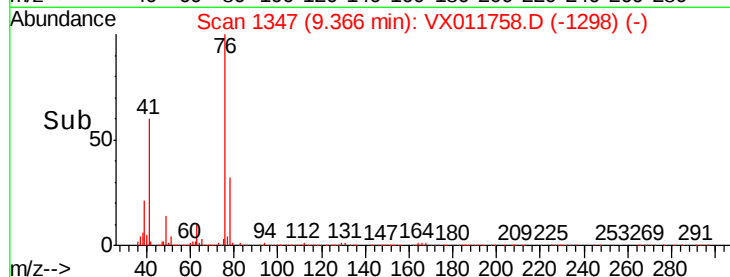
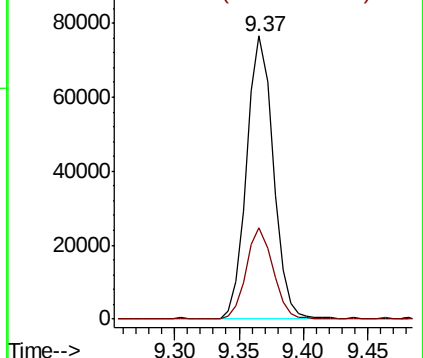
76 100

78 32.1 26.6 39.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 89.271 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011758.D

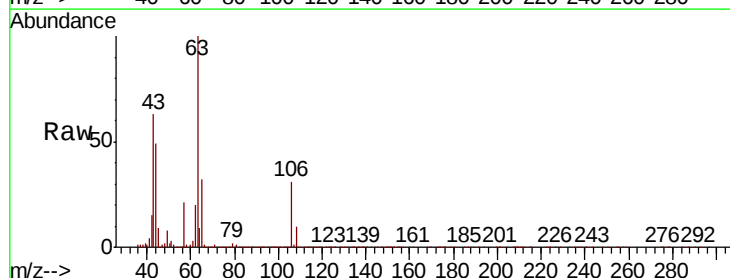
Acq: 22 Aug 2019 13:47

Tgt Ion: 63 Resp: 222011

Ion Ratio Lower Upper

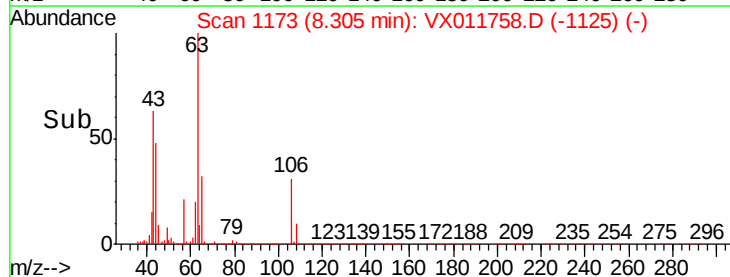
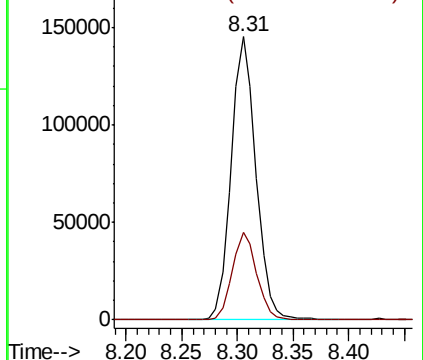
63 100

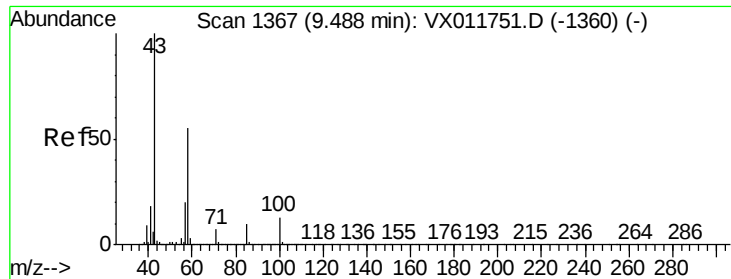
106 30.7 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

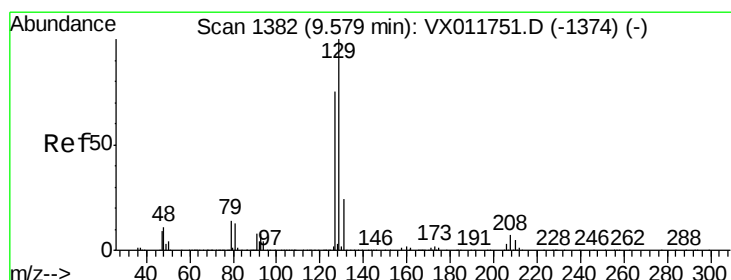
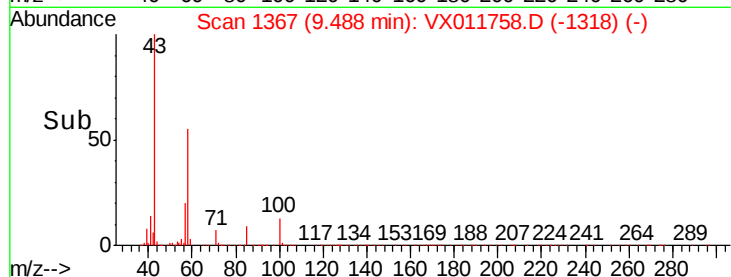
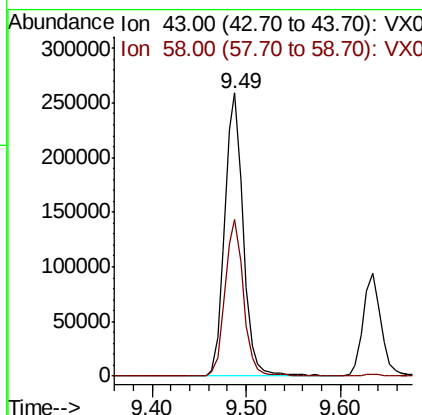
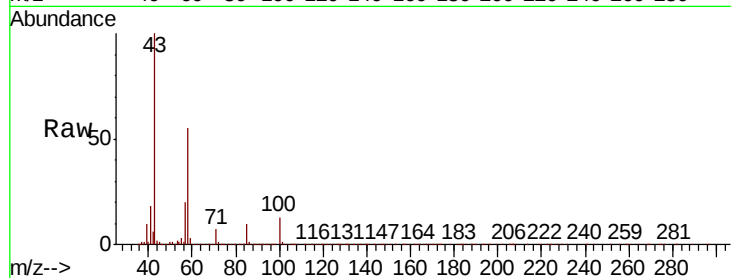




#59  
2-Hexanone  
Concen: 101.786 ug/l  
RT: 9.49 min Scan# 1367  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

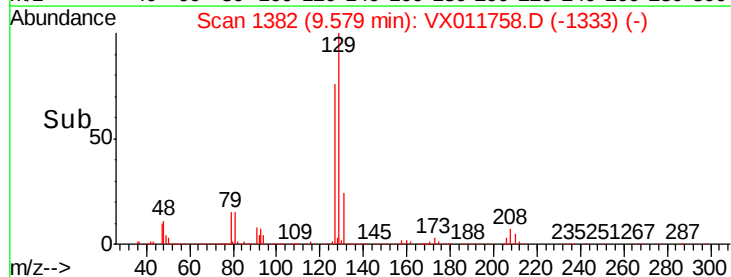
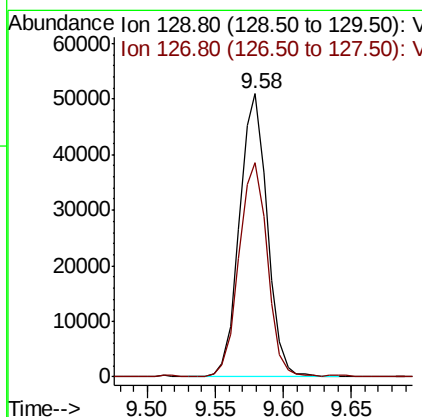
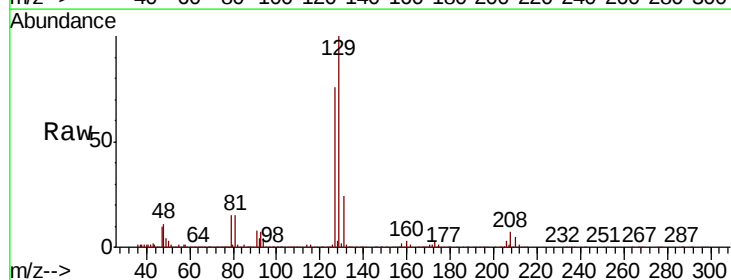
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

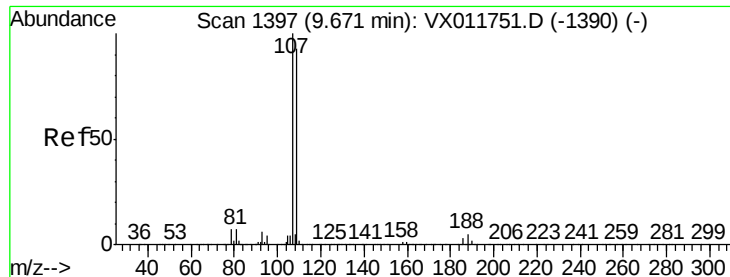
Tgt Ion: 43 Resp: 351437  
Ion Ratio Lower Upper  
43 100  
58 54.9 27.7 83.1



#60  
Dibromochloromethane  
Concen: 20.161 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 129 Resp: 72461  
Ion Ratio Lower Upper  
129 100  
127 76.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.468 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

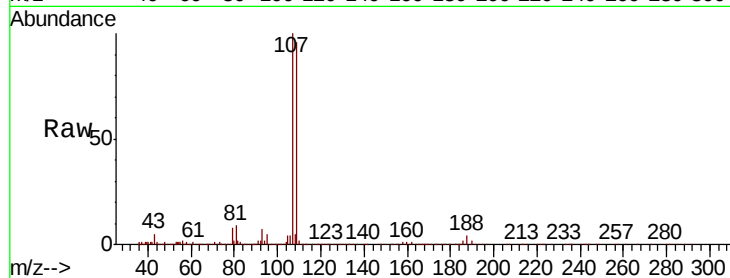
VX0822WBS01

Tgt Ion: 107 Resp: 73007

Ion Ratio Lower Upper

107 100

109 97.0 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

60000

50000

40000

30000

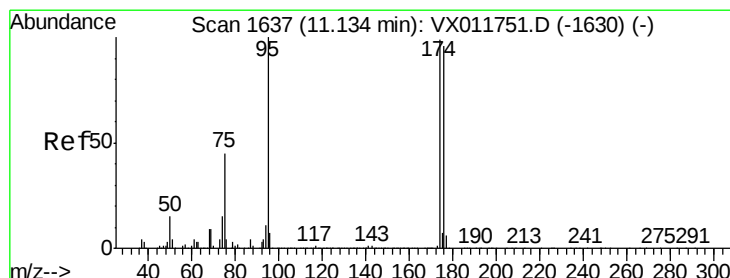
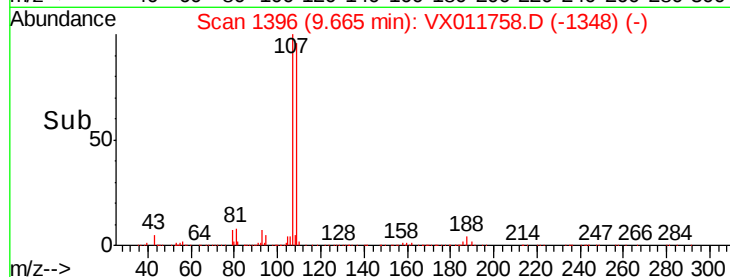
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 50.326 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

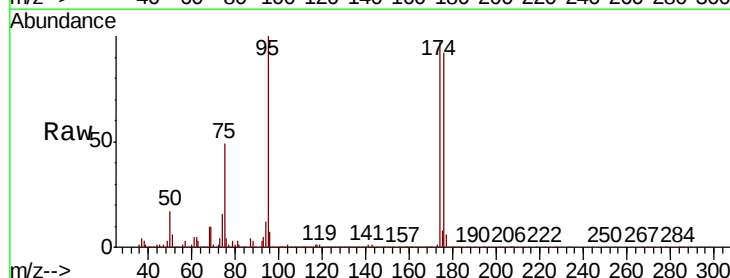
Tgt Ion: 95 Resp: 228047

Ion Ratio Lower Upper

95 100

174 96.1 0.0 197.4

176 93.0 0.0 194.4



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

250000

200000

150000

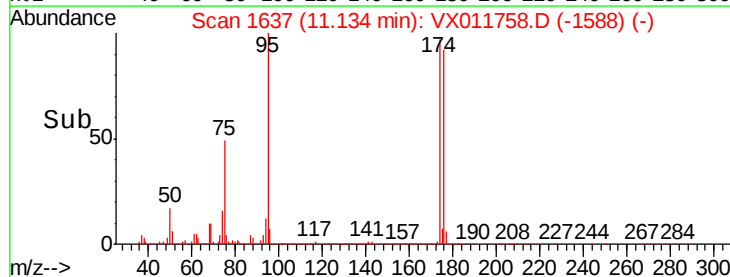
100000

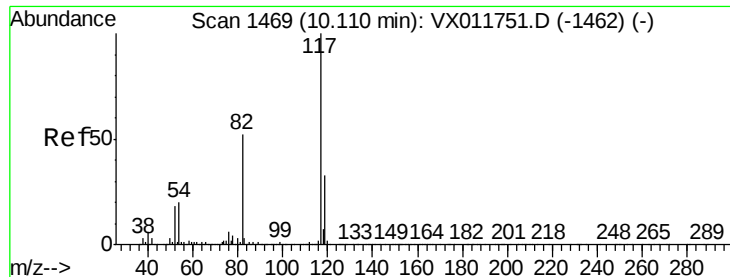
50000

0

11.05 11.10 11.15 11.20

Time-->

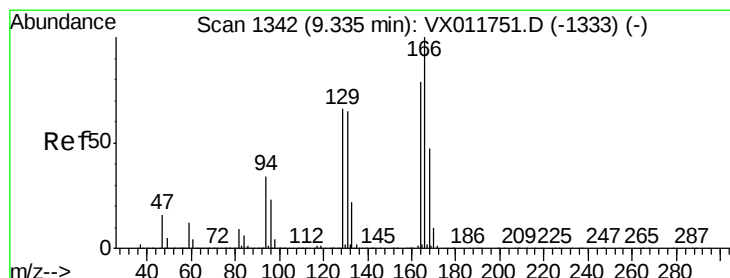
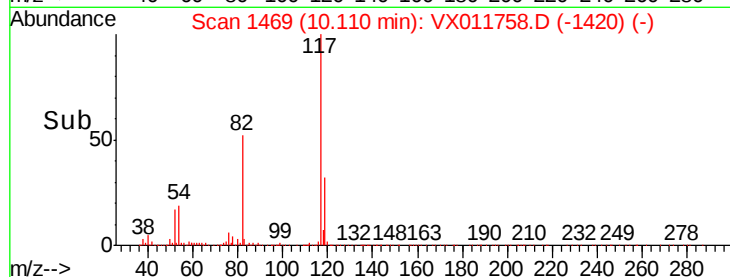
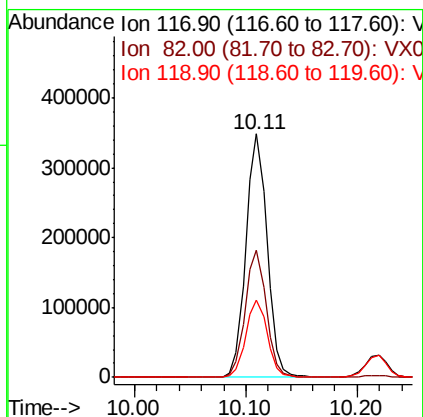
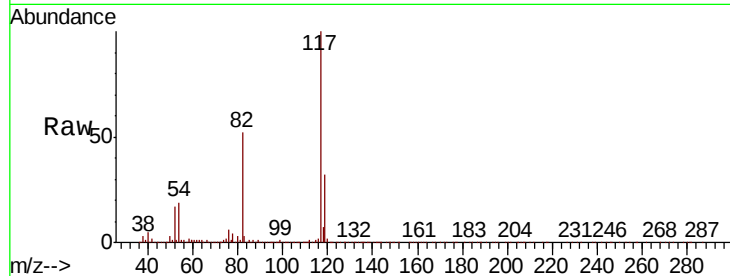




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

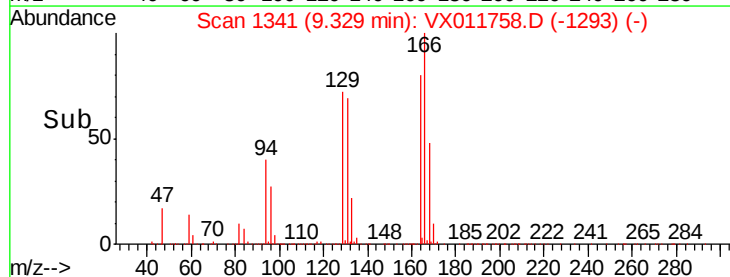
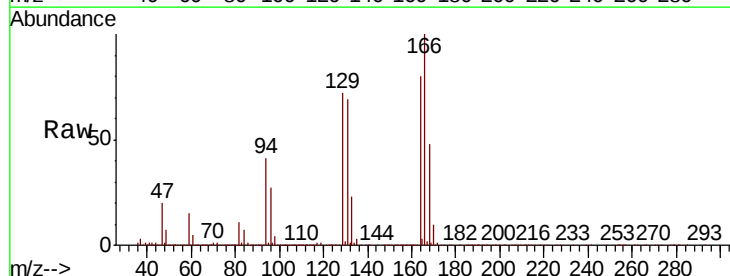
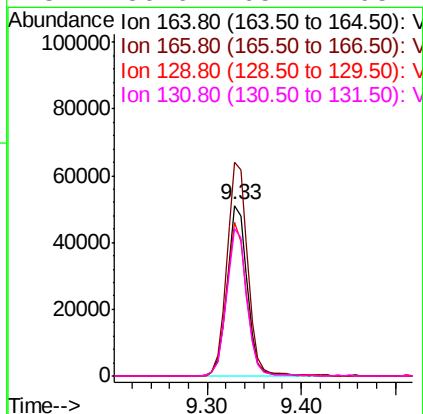
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

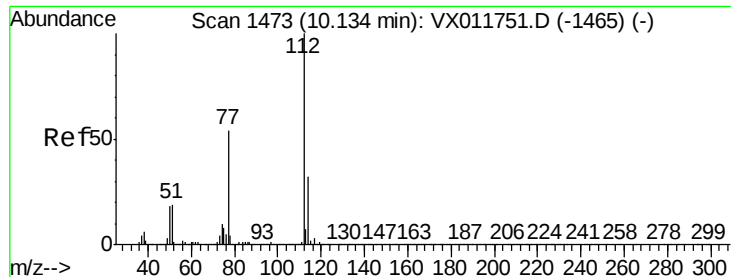
Tgt Ion:117 Resp: 461451  
Ion Ratio Lower Upper  
117 100  
82 52.4 41.7 62.5  
119 31.9 26.2 39.2



#64  
Tetrachloroethene  
Concen: 20.637 ug/l  
RT: 9.33 min Scan# 1341  
Delta R.T. -0.01 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion:164 Resp: 75974  
Ion Ratio Lower Upper  
164 100  
166 125.3 100.7 151.1  
129 90.3 66.8 100.2  
131 86.6 65.4 98.2

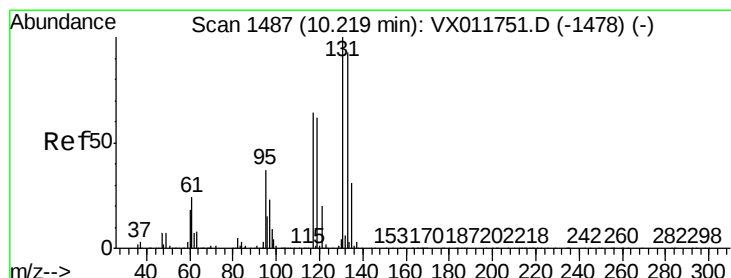
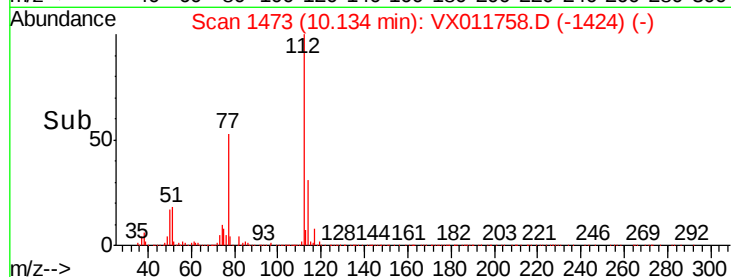
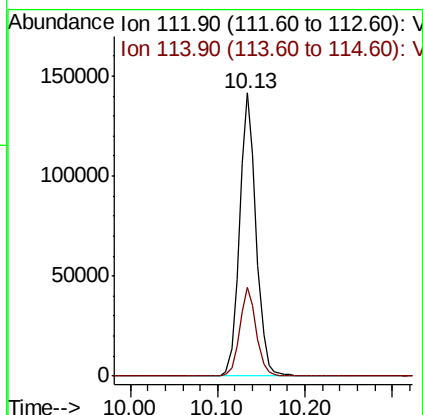
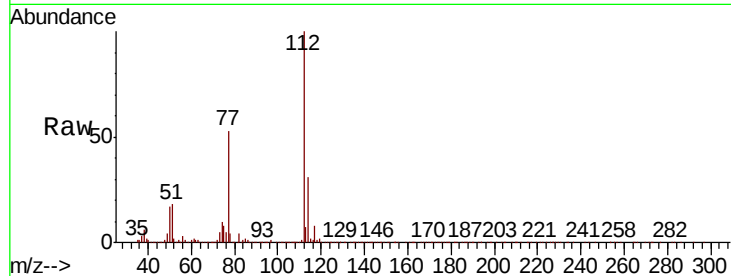




#65  
Chlorobenzene  
Concen: 20.795 ug/l  
RT: 10.13 min Scan# 1473  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

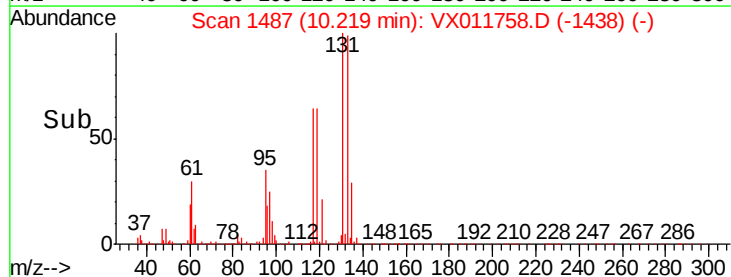
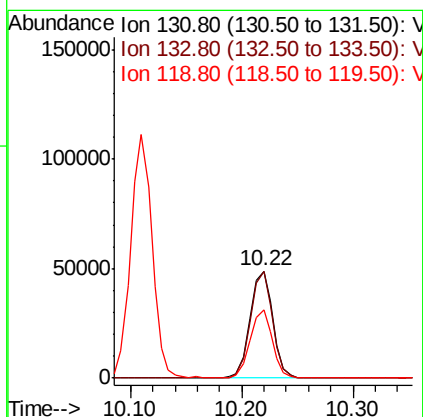
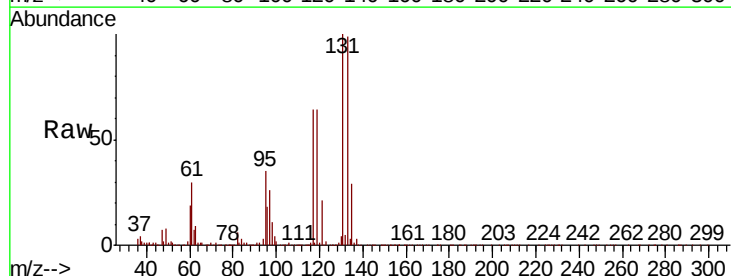
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

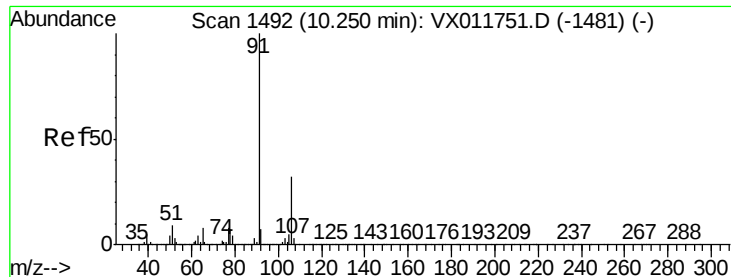
Tgt Ion:112 Resp: 187346  
Ion Ratio Lower Upper  
112 100  
114 31.2 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.736 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion:131 Resp: 69994  
Ion Ratio Lower Upper  
131 100  
133 95.9 47.8 143.4  
119 62.7 31.3 93.8

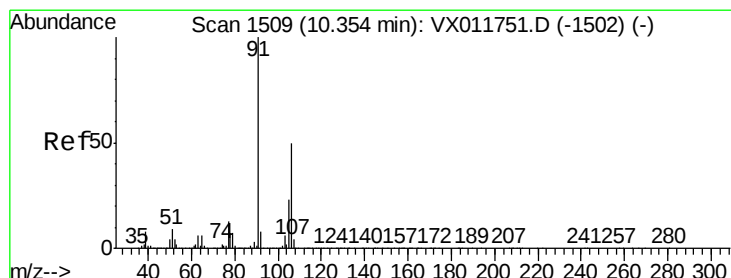
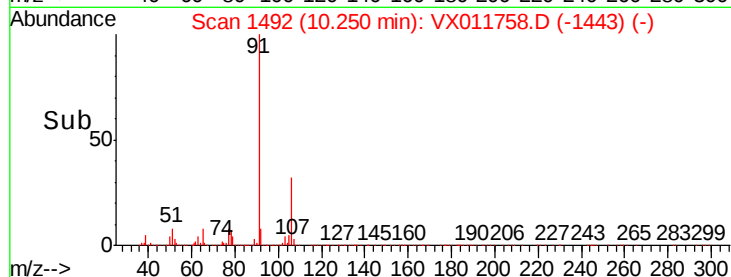
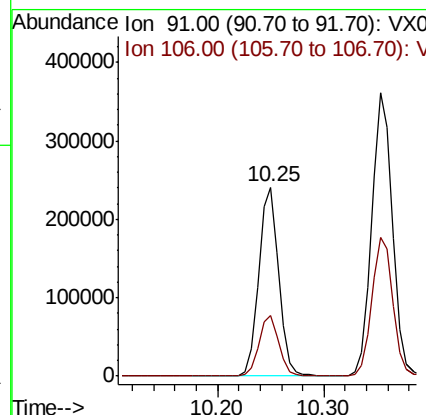
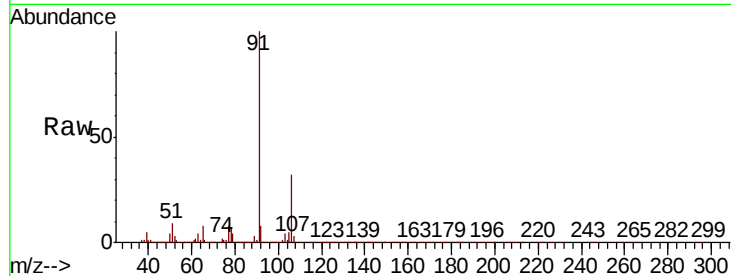




#67  
Ethyl Benzene  
Concen: 20.967 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

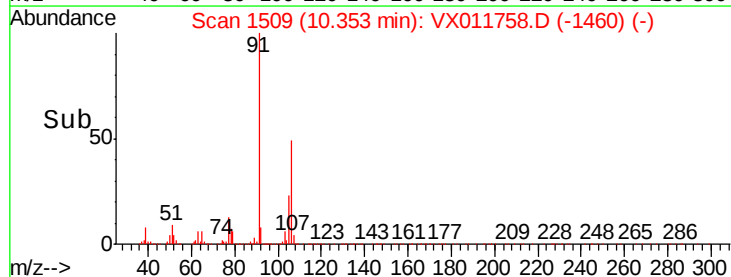
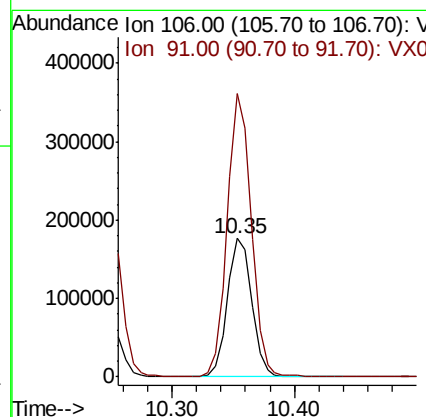
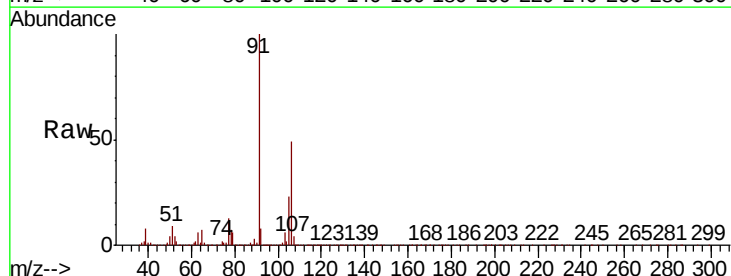
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

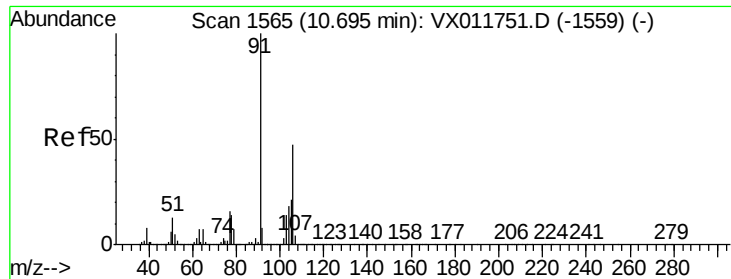
Tgt Ion: 91 Resp: 315663  
Ion Ratio Lower Upper  
91 100  
106 31.8 25.5 38.3



#68  
m/p-Xylenes  
Concen: 42.062 ug/l  
RT: 10.35 min Scan# 1509  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 106 Resp: 244173  
Ion Ratio Lower Upper  
106 100  
91 201.6 158.3 237.5

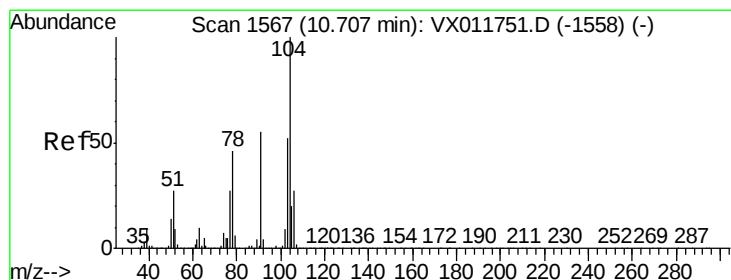
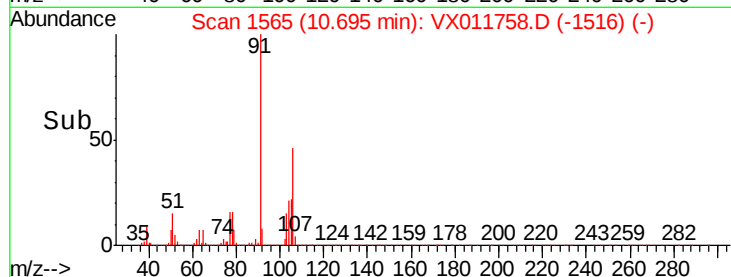
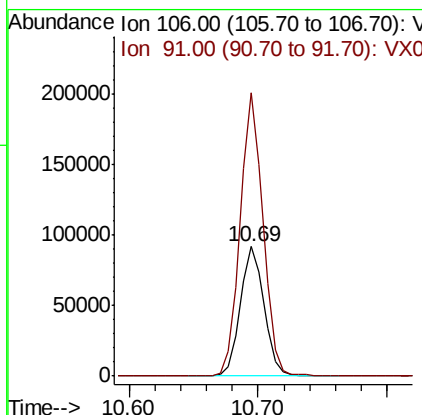
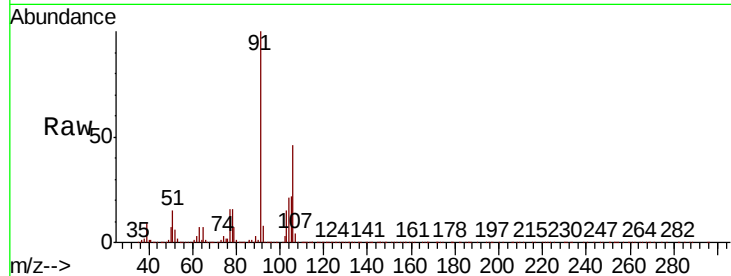




#69  
o-Xylene  
Concen: 20.506 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

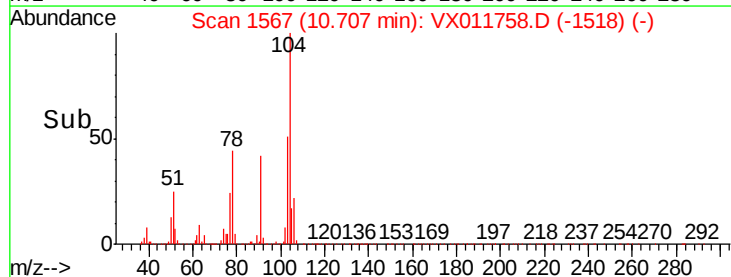
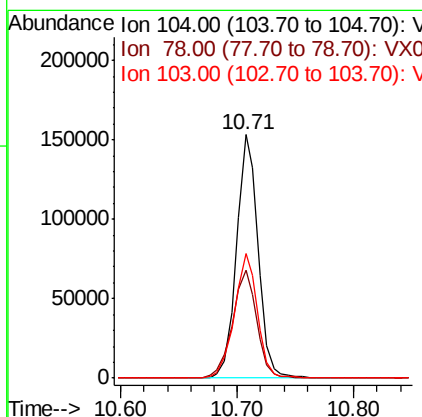
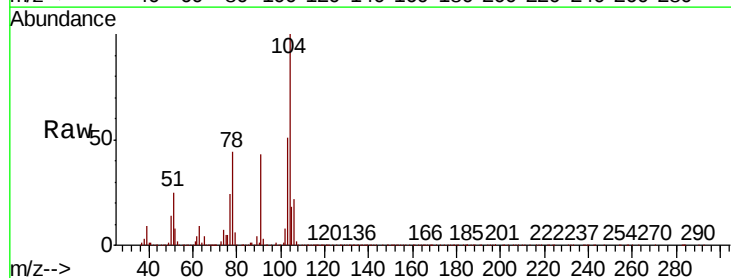
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

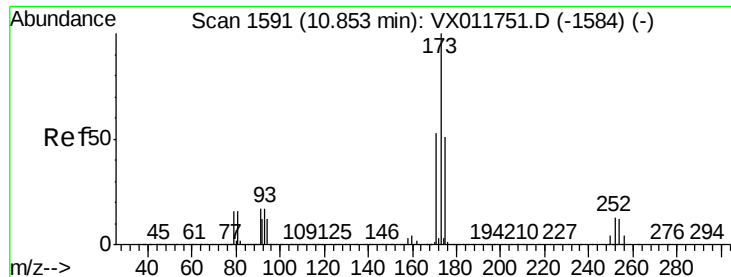
Tgt Ion:106 Resp: 116872  
Ion Ratio Lower Upper  
106 100  
91 211.4 105.0 314.9



#70  
Styrene  
Concen: 20.774 ug/l  
RT: 10.71 min Scan# 1567  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion:104 Resp: 198072  
Ion Ratio Lower Upper  
104 100  
78 49.4 39.2 58.8  
103 54.3 44.5 66.7





#71

Bromoform

Concen: 18.831 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampled :

VX0822WBS01

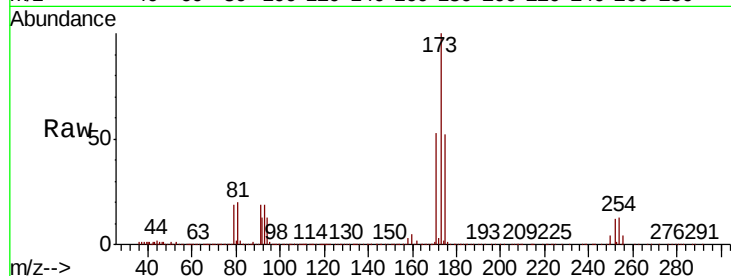
Tgt Ion:173 Resp: 54833

Ion Ratio Lower Upper

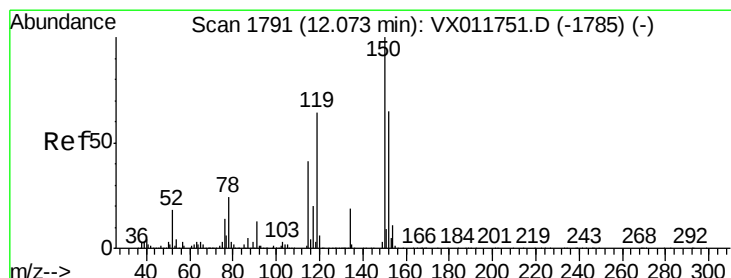
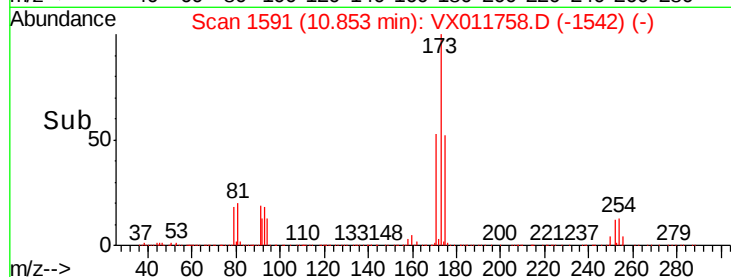
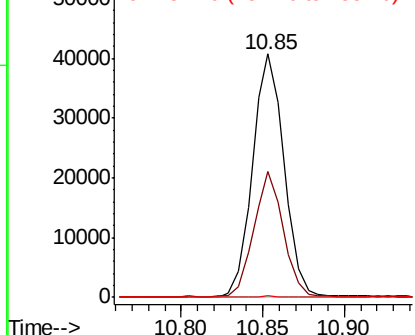
173 100

175 48.8 25.1 75.3

254 0.5 0.2 0.4#



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: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

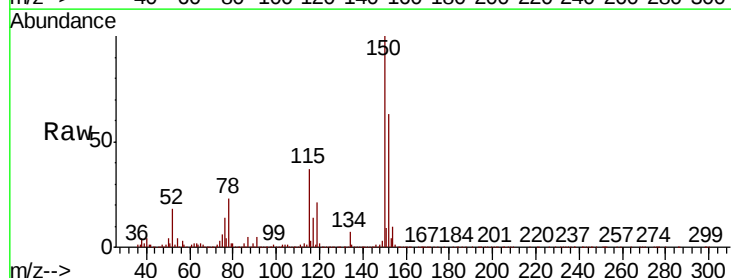
Tgt Ion:152 Resp: 247847

Ion Ratio Lower Upper

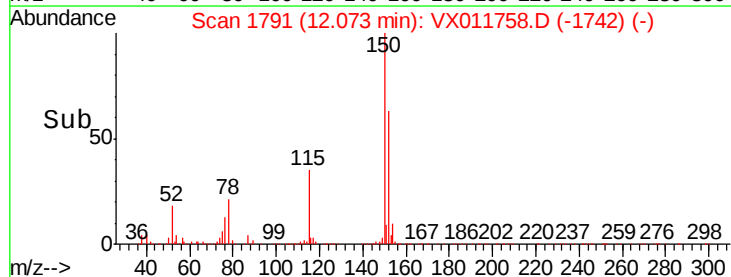
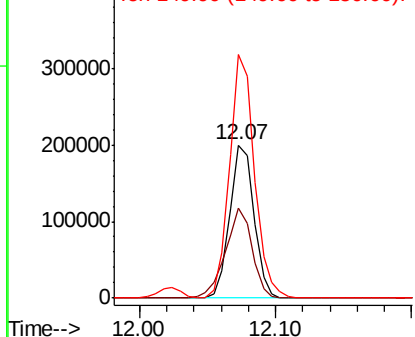
152 100

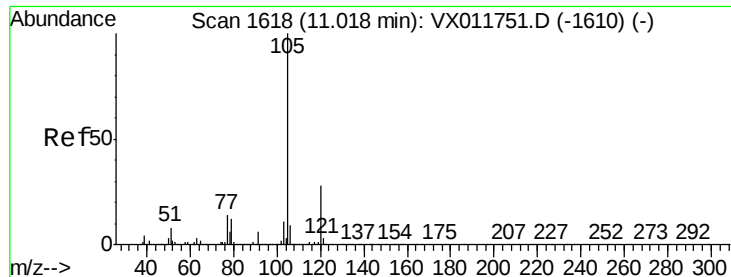
115 63.5 37.3 111.8

150 162.8 0.0 343.0



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





#73

Isopropylbenzene

Concen: 21.707 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

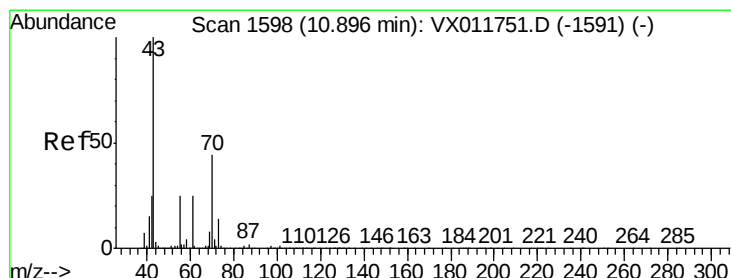
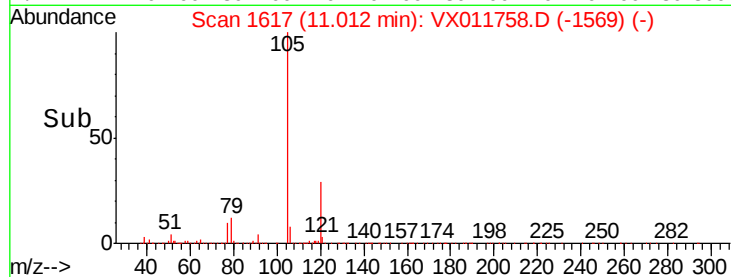
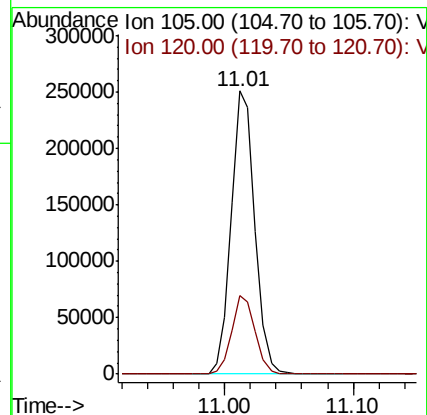
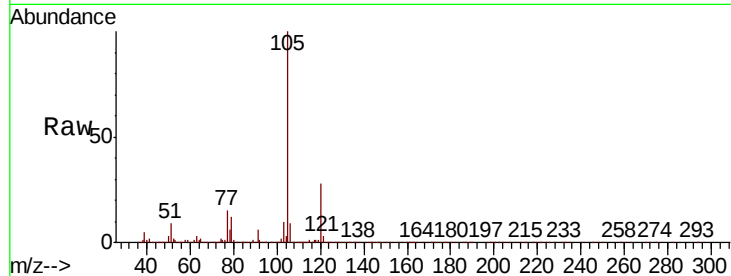
VX0822WBS01

Tgt Ion:105 Resp: 324213

Ion Ratio Lower Upper

105 100

120 27.6 13.9 41.7



#74

N-ethyl acetate

Concen: 20.469 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Tgt Ion: 43 Resp: 118364

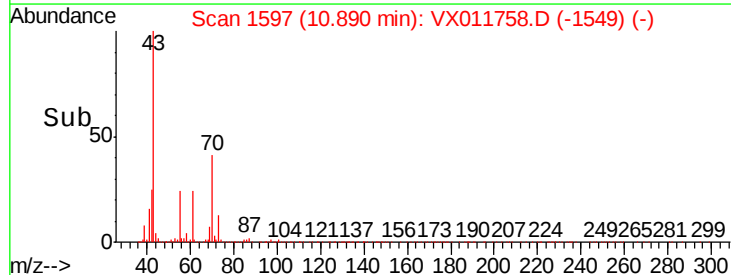
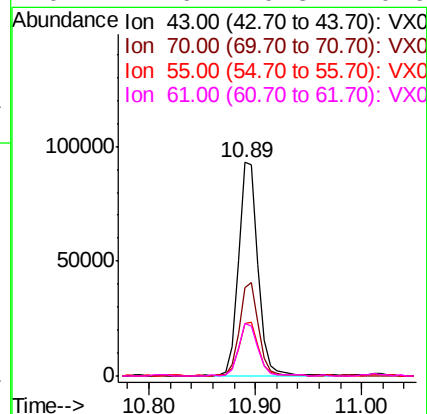
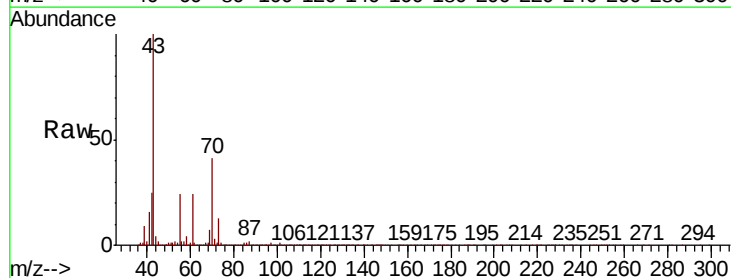
Ion Ratio Lower Upper

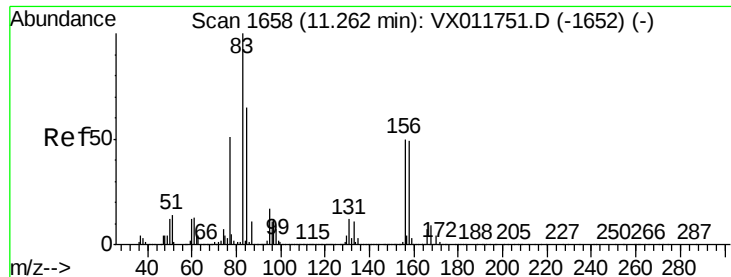
43 100

70 42.9 34.8 52.2

55 25.5 19.5 29.3

61 24.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.436 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBS01

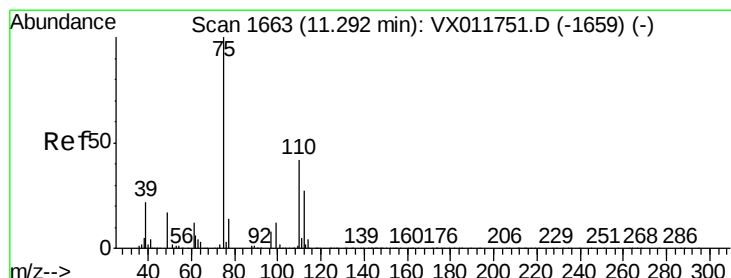
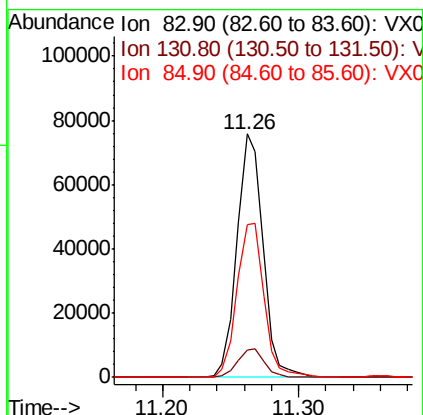
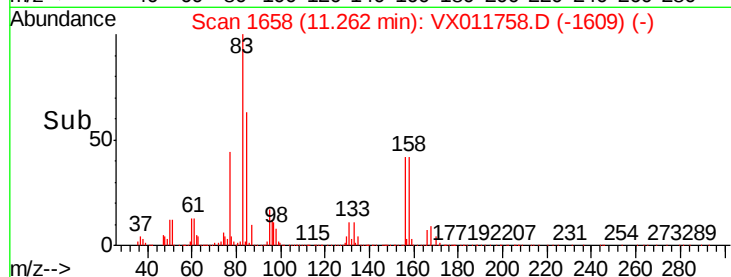
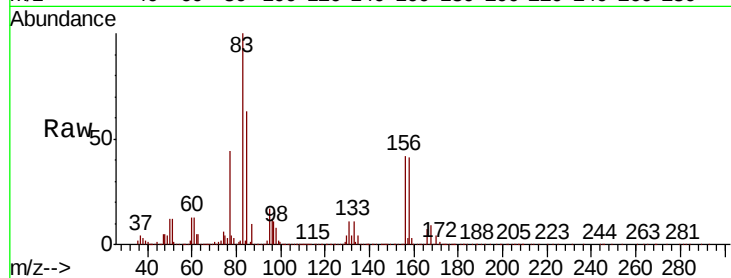
Tgt Ion: 83 Resp: 101034

Ion Ratio Lower Upper

83 100

131 12.4 6.1 18.3

85 65.6 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 24.939 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011758.D

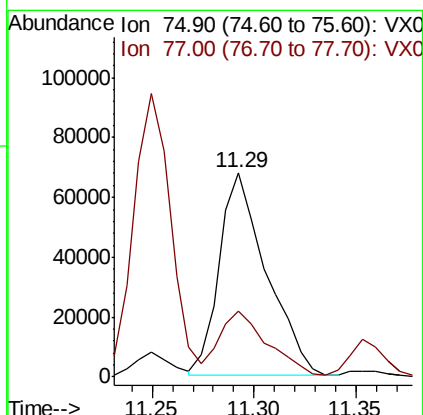
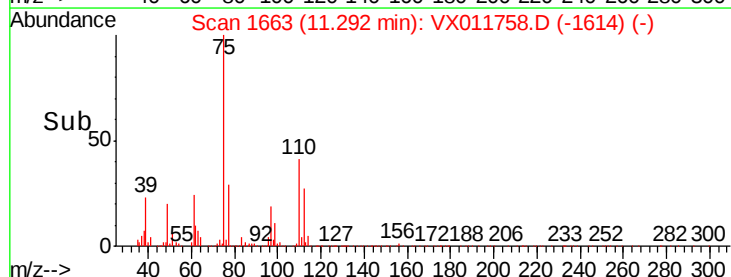
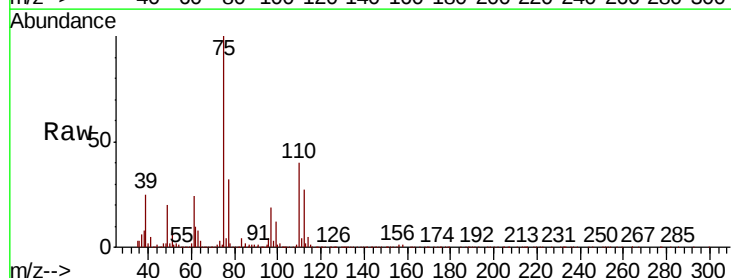
Acq: 22 Aug 2019 13:47

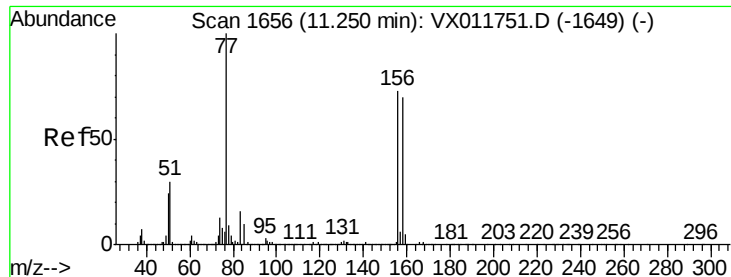
Tgt Ion: 75 Resp: 108460

Ion Ratio Lower Upper

75 100

77 32.8 21.1 63.3





#77

Bromobenzene

Concen: 20.345 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBS01

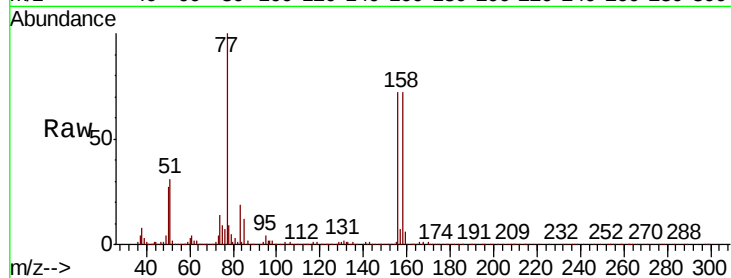
Tgt Ion:156 Resp: 89583

Ion Ratio Lower Upper

156 100

77 133.9 65.3 196.0

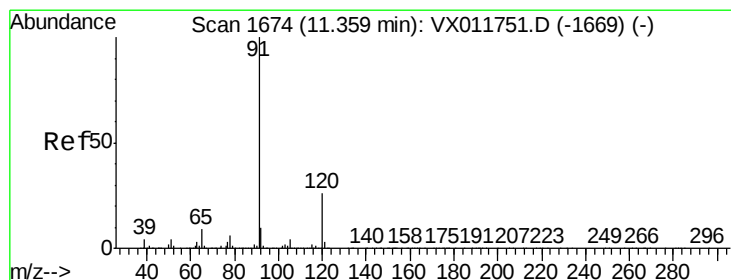
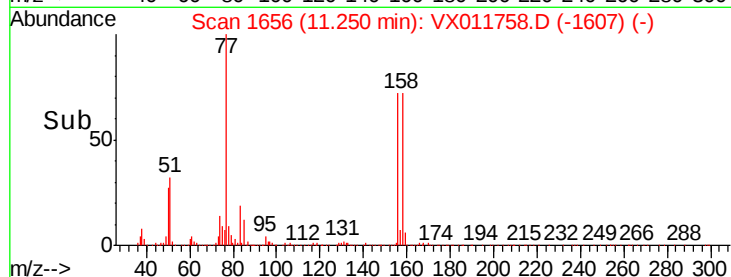
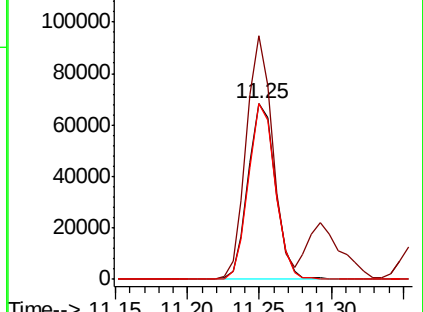
158 98.2 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.359 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.01 min

Lab File: VX011758.D

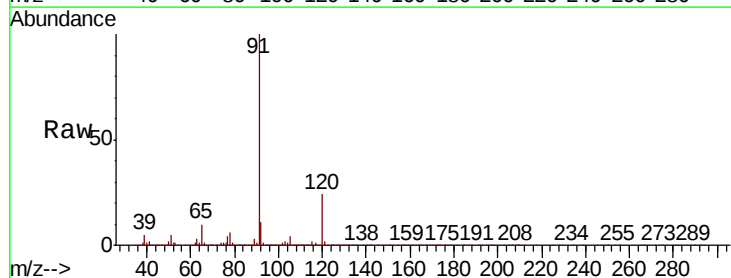
Acq: 22 Aug 2019 13:47

Tgt Ion: 91 Resp: 357087

Ion Ratio Lower Upper

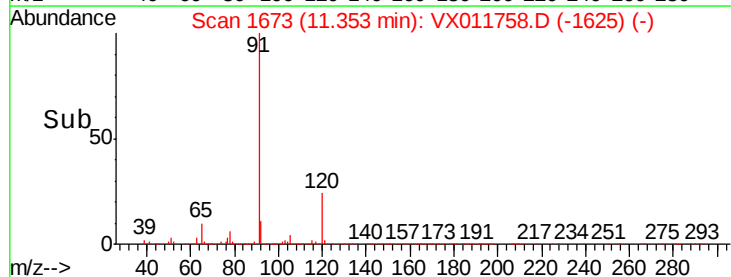
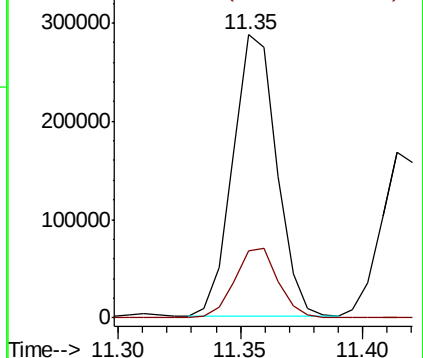
91 100

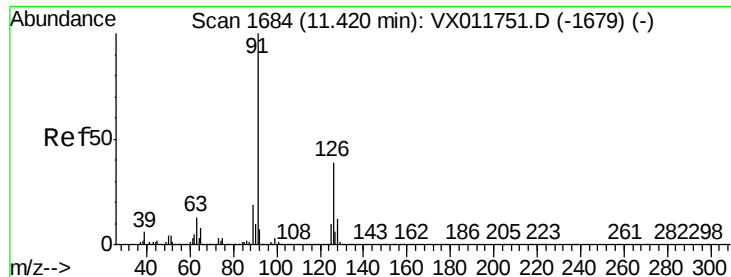
120 24.5 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

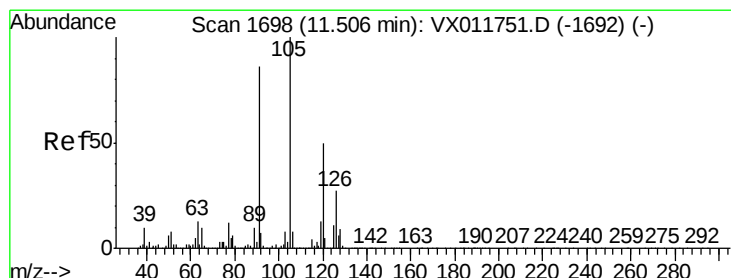
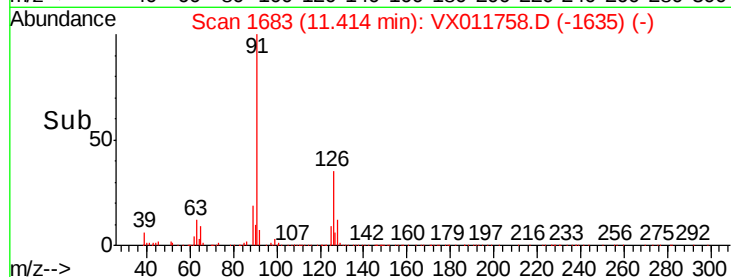
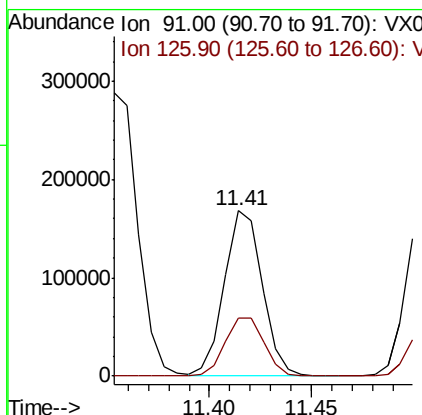
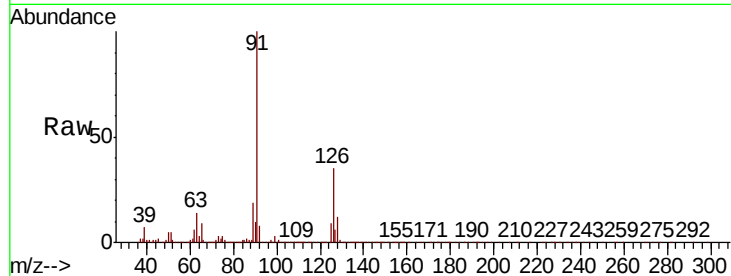




#79  
 2-Chlorotoluene  
 Concen: 21.603 ug/l  
 RT: 11.41 min Scan# 1683  
 Delta R.T. -0.01 min  
 Lab File: VX011758.D  
 Acq: 22 Aug 2019 13:47

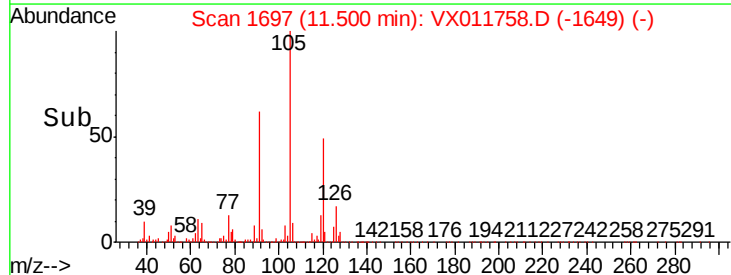
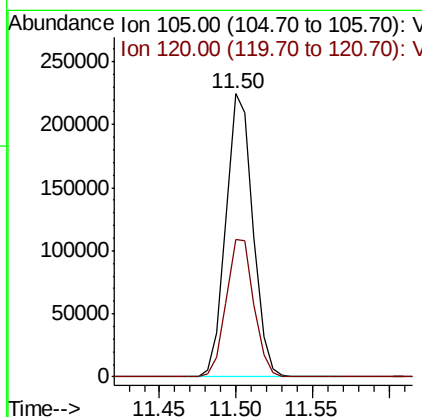
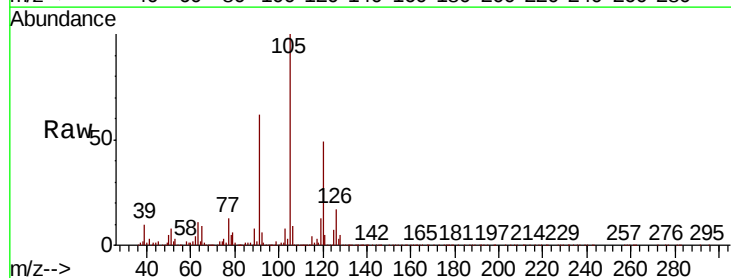
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBS01

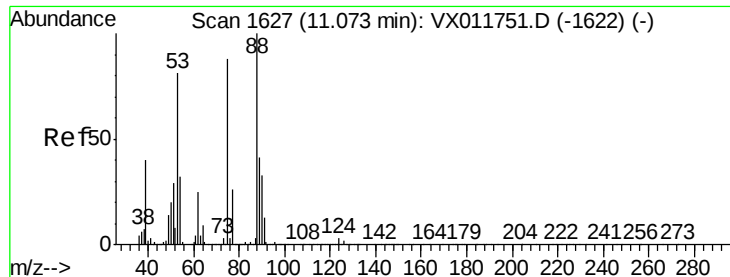
Tgt Ion: 91 Resp: 214647  
 Ion Ratio Lower Upper  
 91 100  
 126 36.9 18.6 55.6



#80  
 1,3,5-Trimethylbenzene  
 Concen: 21.962 ug/l  
 RT: 11.50 min Scan# 1697  
 Delta R.T. -0.01 min  
 Lab File: VX011758.D  
 Acq: 22 Aug 2019 13:47

Tgt Ion: 105 Resp: 273697  
 Ion Ratio Lower Upper  
 105 100  
 120 49.7 24.8 74.4

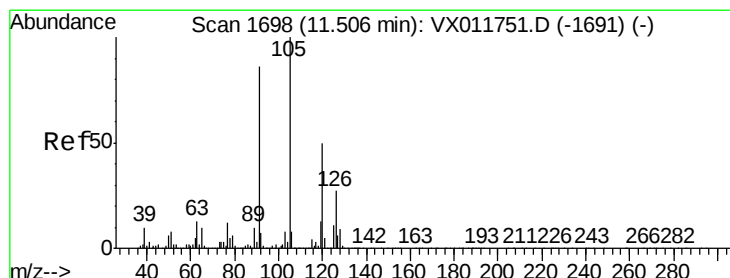
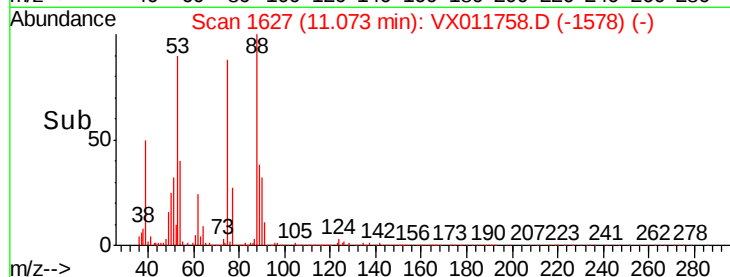
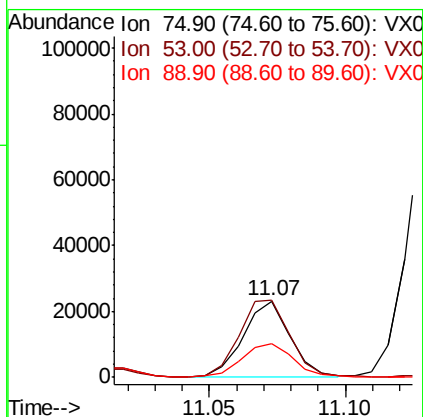
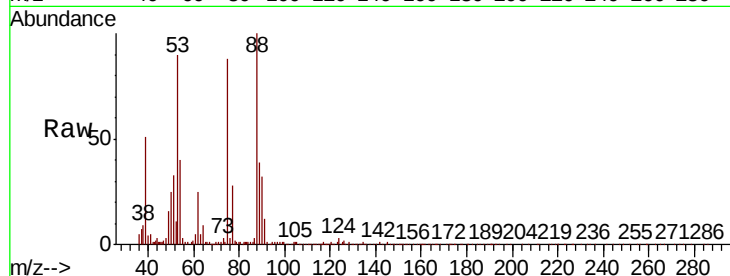




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.740 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

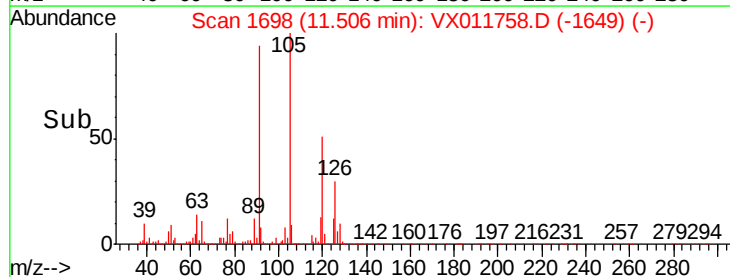
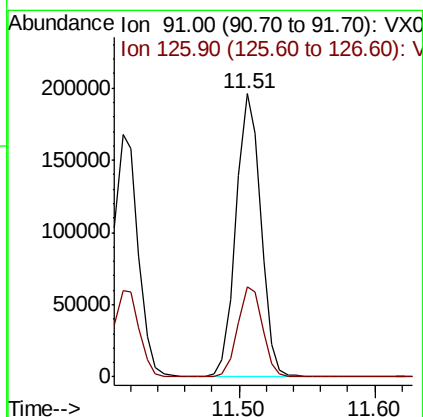
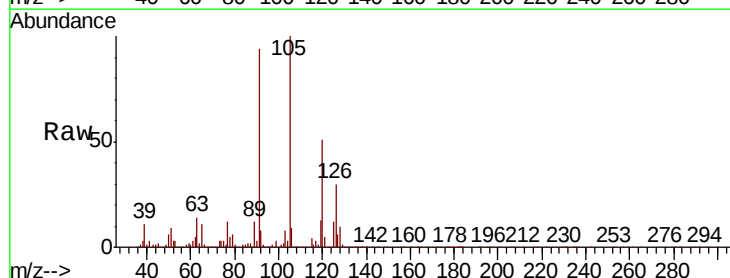
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

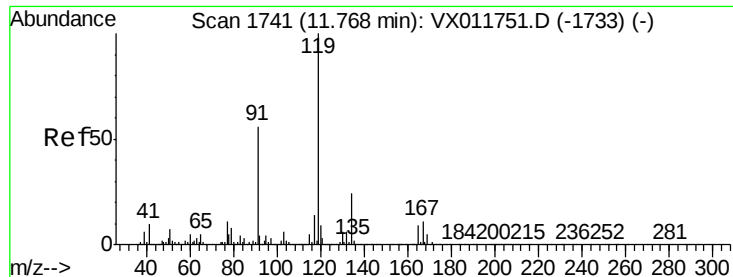
Tgt Ion: 75 Resp: 27024  
Ion Ratio Lower Upper  
75 100  
53 113.5 77.1 115.7  
89 47.6 38.5 57.7



#82  
4-Chlorotoluene  
Concen: 21.755 ug/l  
RT: 11.51 min Scan# 1698  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 91 Resp: 249167  
Ion Ratio Lower Upper  
91 100  
126 31.9 16.2 48.6

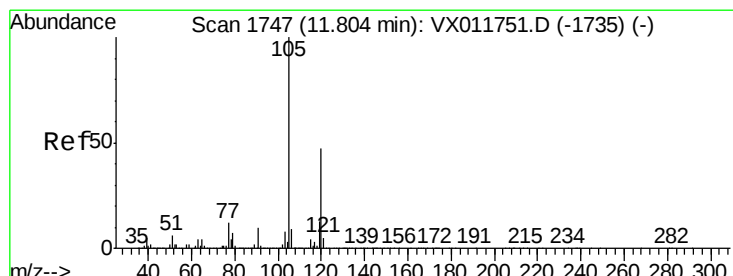
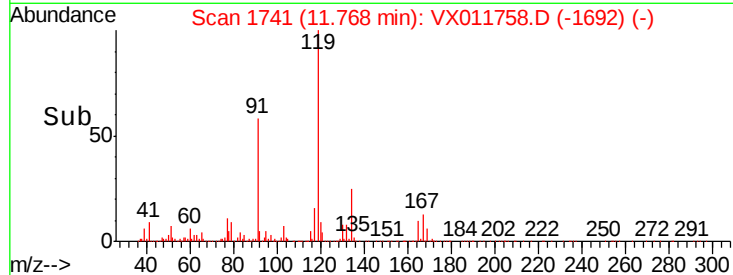
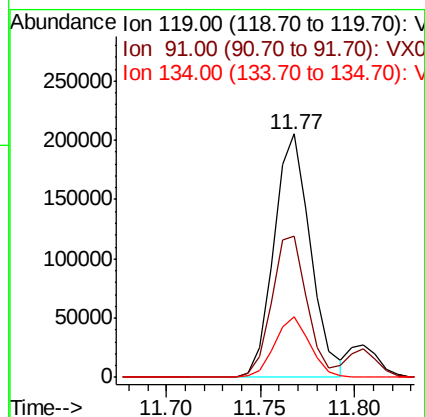
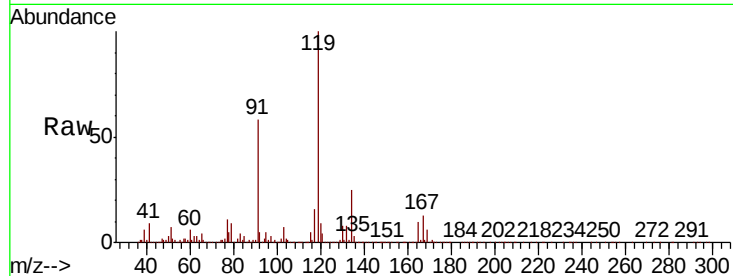




#83  
tert-Butylbenzene  
Concen: 22.376 ug/l  
RT: 11.77 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

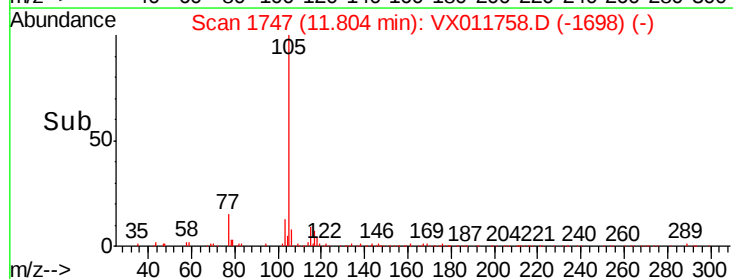
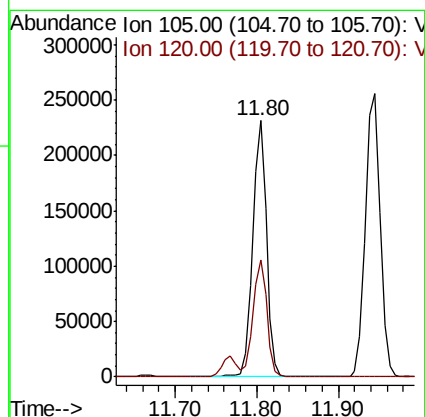
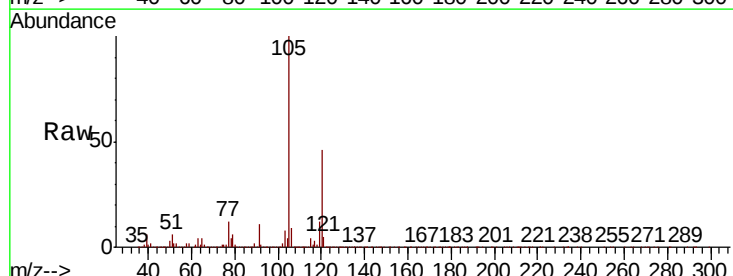
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

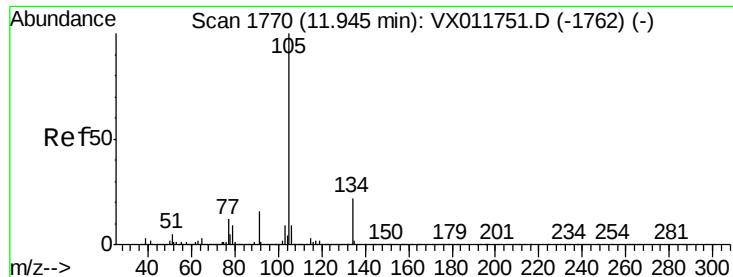
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 55.8  | 27.7  | 83.1  |
| 134     | 23.9  | 11.8  | 35.3  |



#84  
1,2,4-Trimethylbenzene  
Concen: 21.895 ug/l  
RT: 11.80 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.6  | 23.7  | 71.1  |





#85

sec-Butylbenzene

Concen: 22.400 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

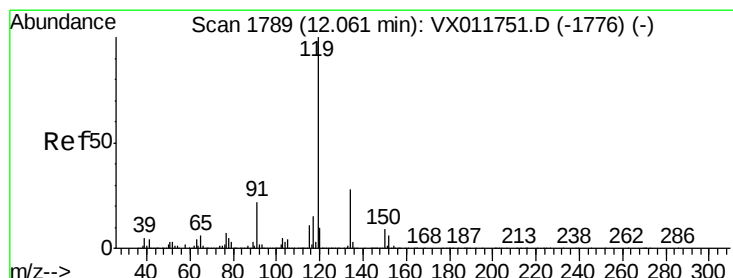
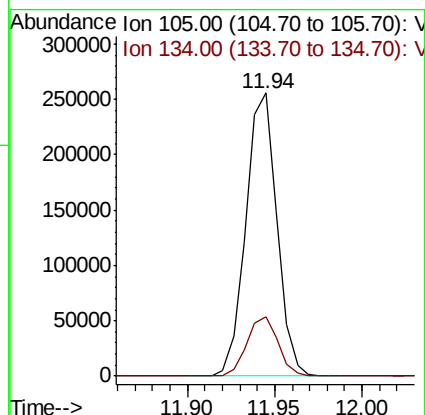
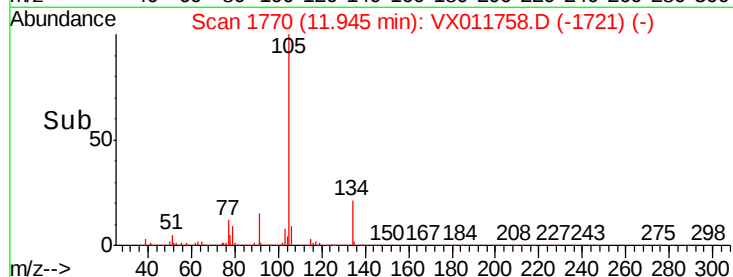
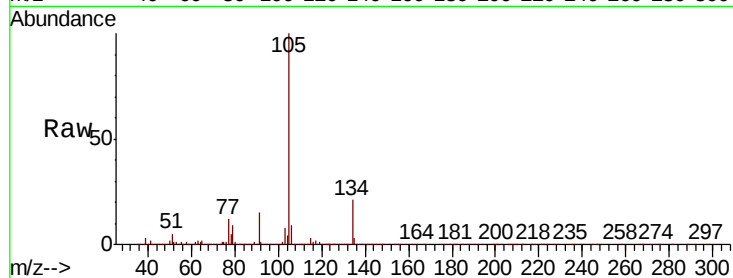
VX0822WBS01

Tgt Ion:105 Resp: 315042

Ion Ratio Lower Upper

105 100

134 21.0 10.8 32.3



#86

p-Isopropyltoluene

Concen: 22.262 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

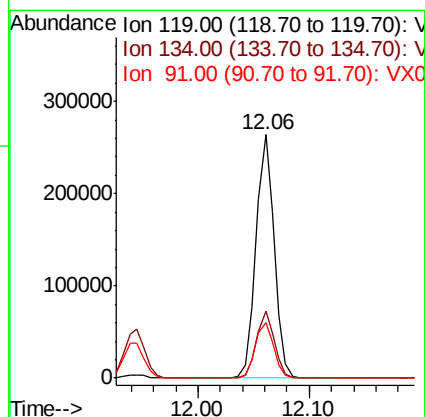
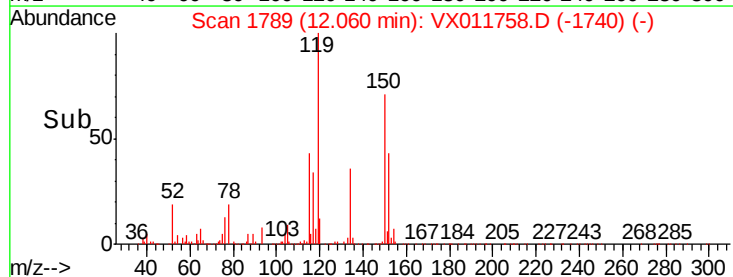
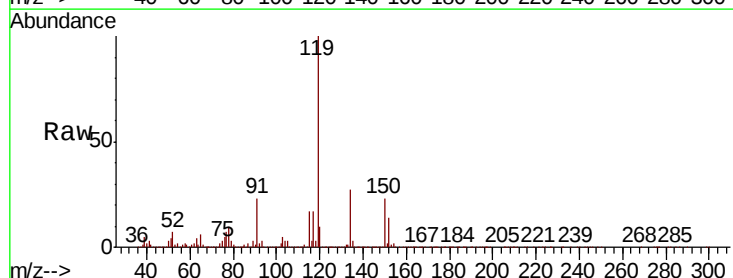
Tgt Ion:119 Resp: 301251

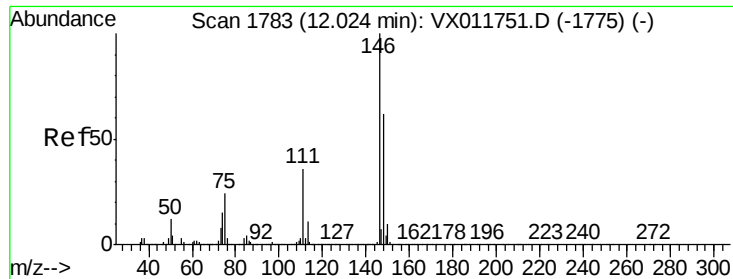
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 22.9 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.948 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

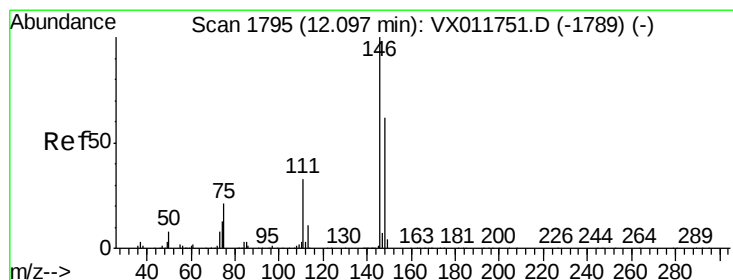
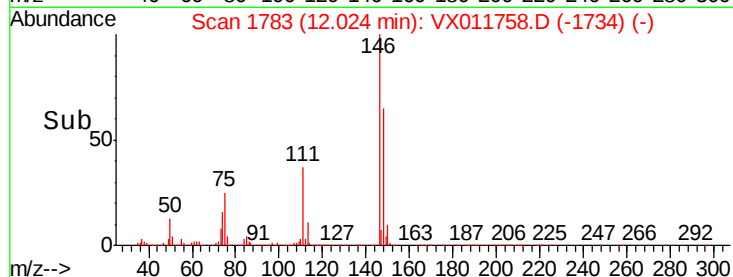
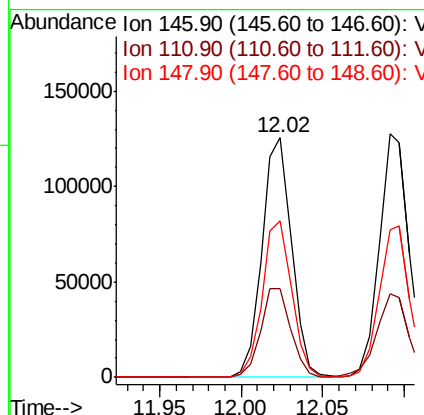
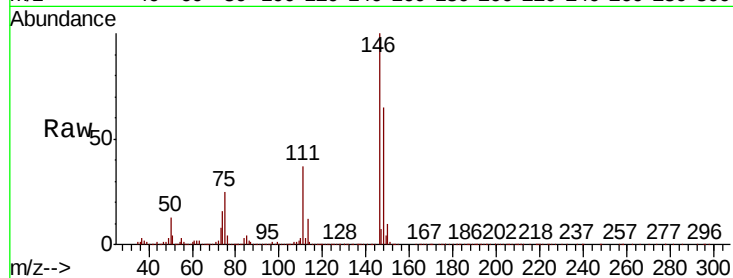
Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

Tgt Ion:146 Resp: 158841

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 38.0  | 18.1  | 54.4  |
| 148 | 64.9  | 31.6  | 94.7  |



#88

1,4-Dichlorobenzene

Concen: 20.932 ug/l

RT: 12.09 min Scan# 1794

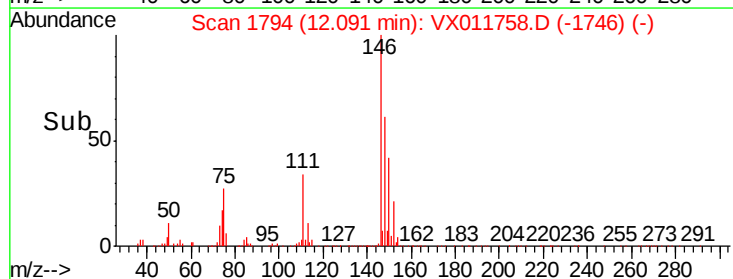
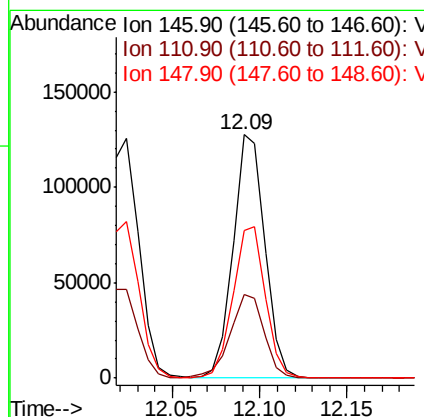
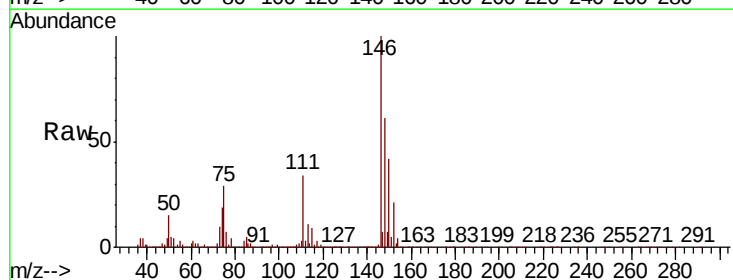
Delta R.T. -0.01 min

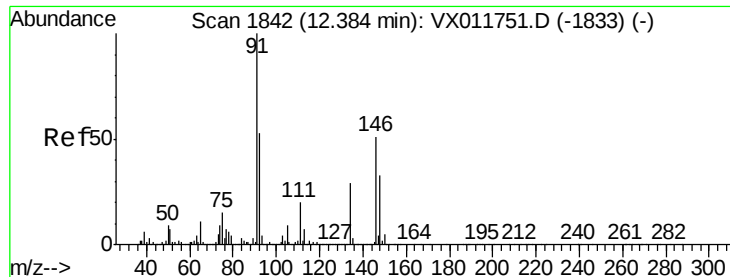
Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Tgt Ion:146 Resp: 160581

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 36.6  | 17.8  | 53.4  |
| 148 | 63.6  | 31.9  | 95.7  |

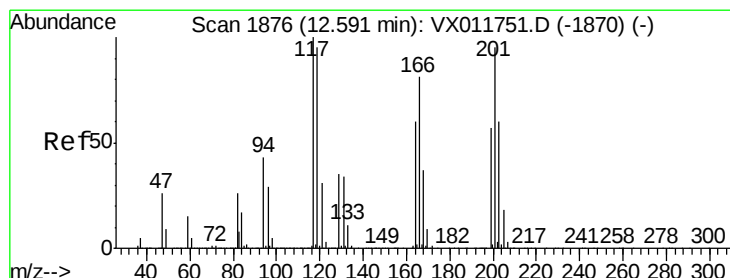
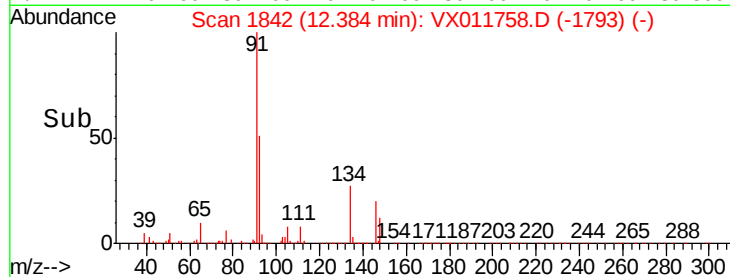
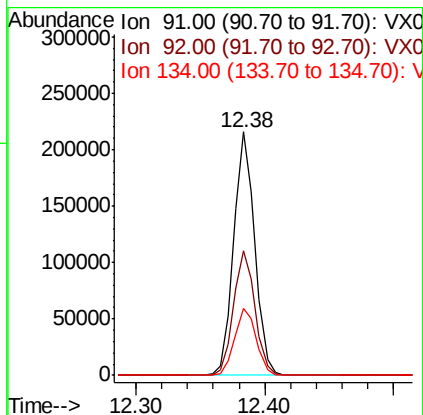
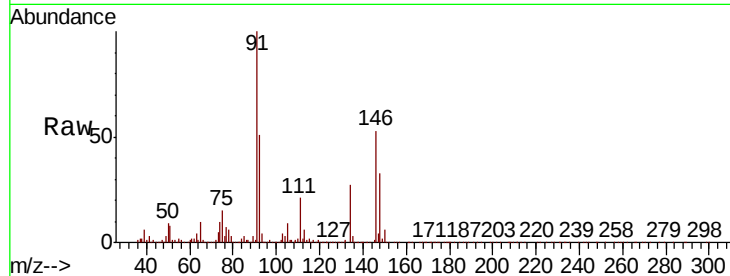




#89  
n-Butylbenzene  
Concen: 21.997 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

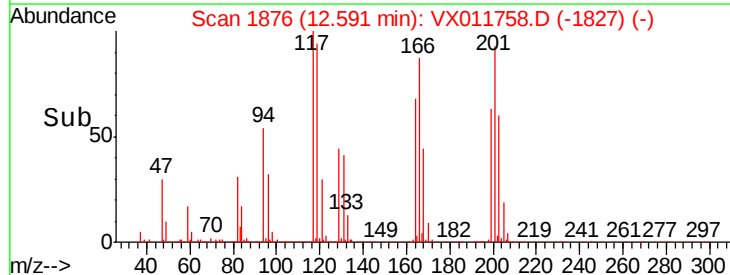
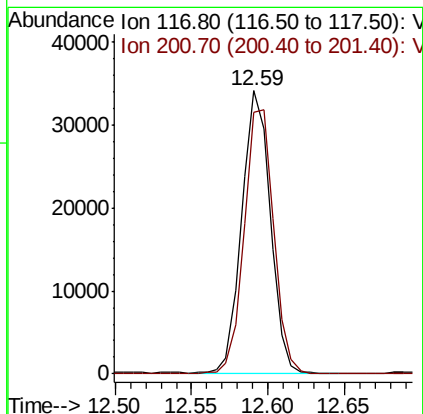
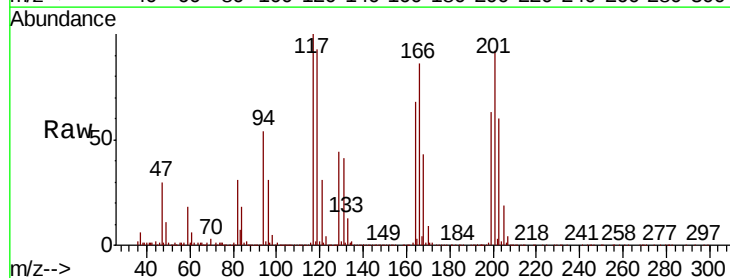
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

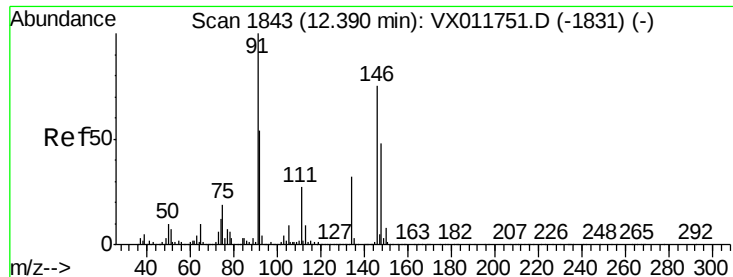
Tgt Ion: 91 Resp: 246416  
Ion Ratio Lower Upper  
91 100  
92 52.6 26.7 80.0  
134 28.1 14.6 43.8



#90  
Hexachloroethane  
Concen: 21.034 ug/l  
RT: 12.59 min Scan# 1876  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Tgt Ion: 117 Resp: 44221  
Ion Ratio Lower Upper  
117 100  
201 96.7 49.6 149.0





#91

1,2-Dichlorobenzene

Concen: 20.594 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

Instrument :

MSVOA\_X

ClientSampleId :

VX0822WBS01

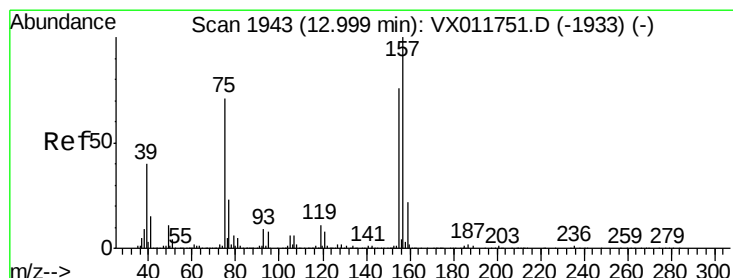
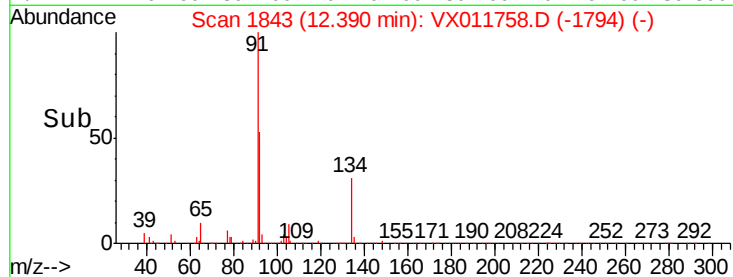
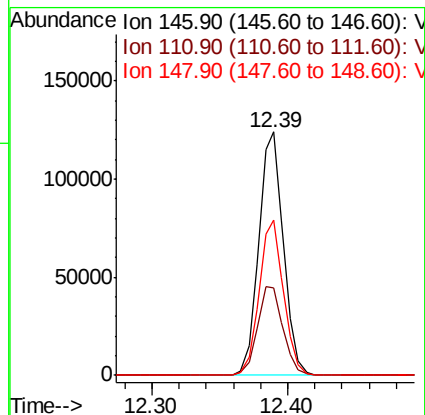
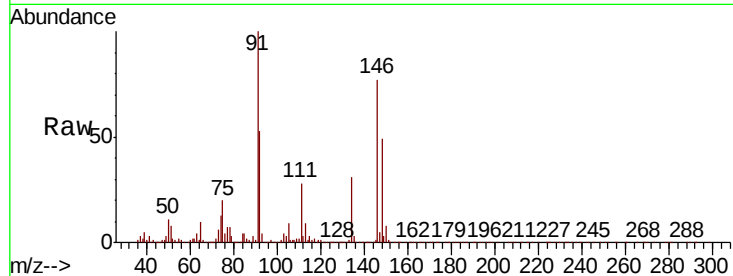
Tgt Ion:146 Resp: 157499

Ion Ratio Lower Upper

146 100

111 37.7 18.8 56.4

148 63.5 31.6 95.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.642 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX011758.D

Acq: 22 Aug 2019 13:47

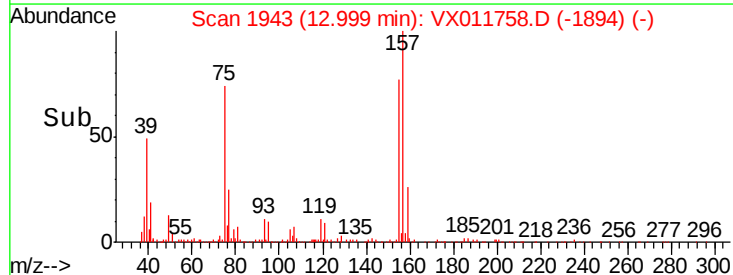
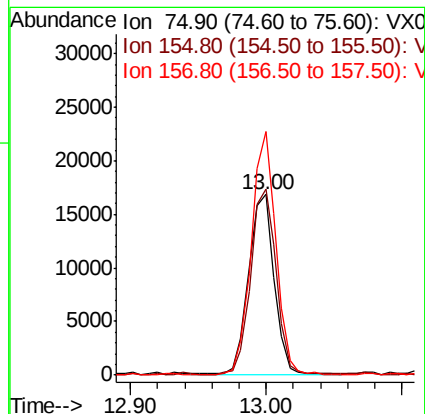
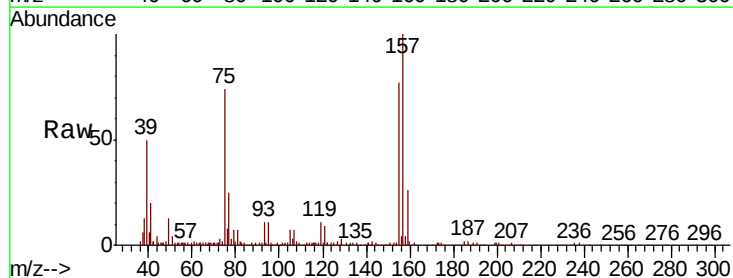
Tgt Ion: 75 Resp: 22572

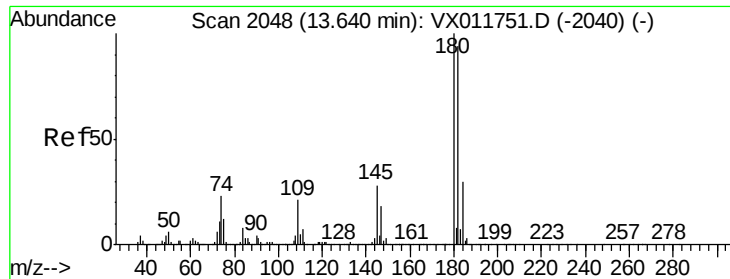
Ion Ratio Lower Upper

75 100

155 102.0 52.6 157.9

157 128.2 68.3 204.9

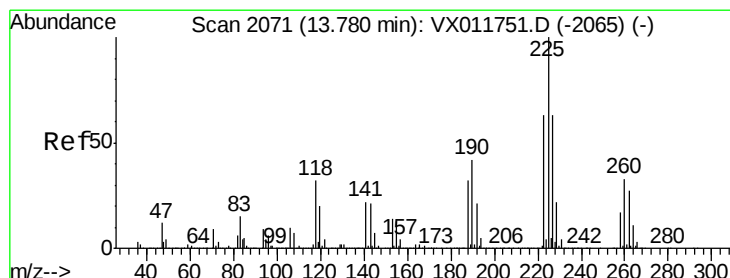
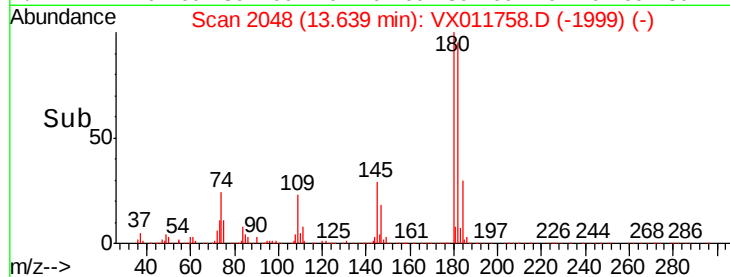
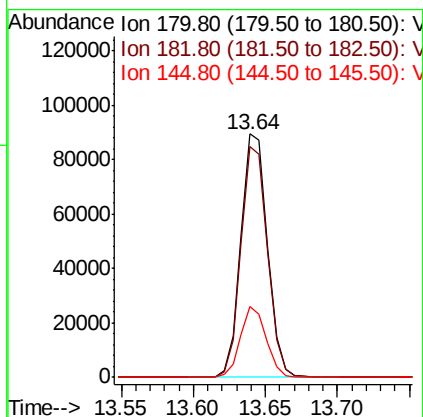
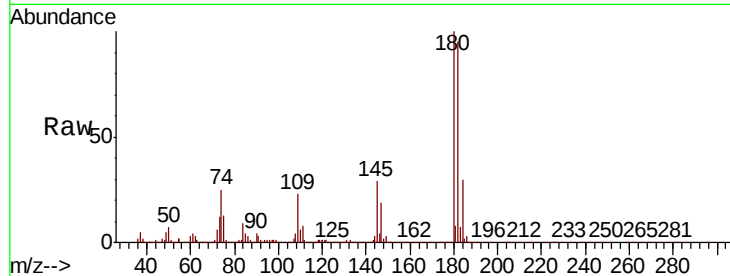




#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.368 ug/l  
 RT: 13.64 min Scan# 2048  
 Delta R.T. -0.00 min  
 Lab File: VX011758.D  
 Acq: 22 Aug 2019 13:47

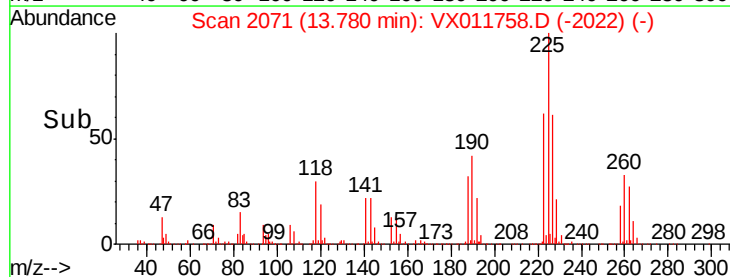
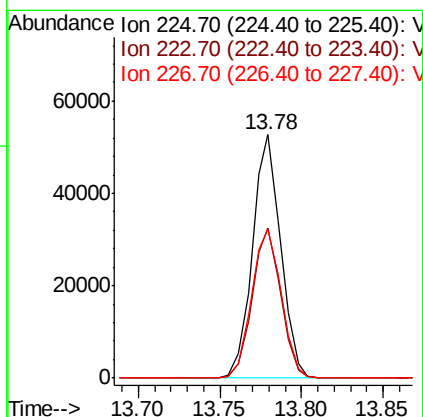
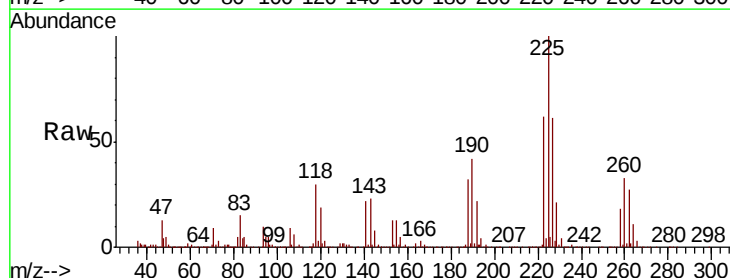
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0822WBS01

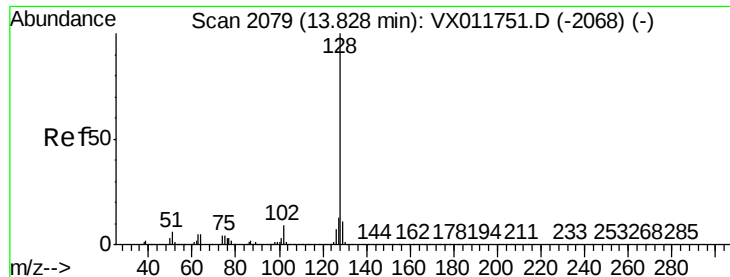
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.5  | 47.8  | 143.4 |
| 145     | 28.4  | 14.1  | 42.3  |



#94  
 Hexachlorobutadiene  
 Concen: 20.578 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. -0.00 min  
 Lab File: VX011758.D  
 Acq: 22 Aug 2019 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.4  | 31.0  | 93.0  |
| 227     | 64.6  | 31.8  | 95.3  |

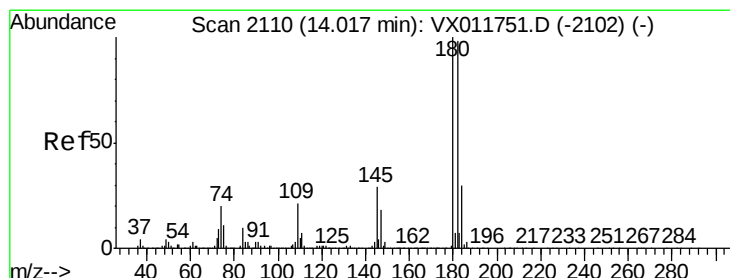
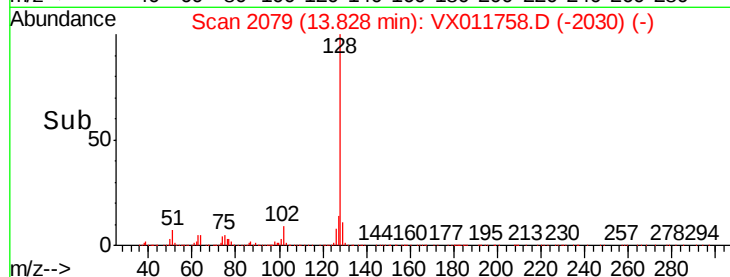
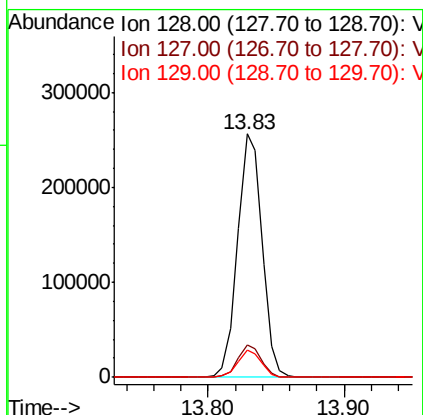
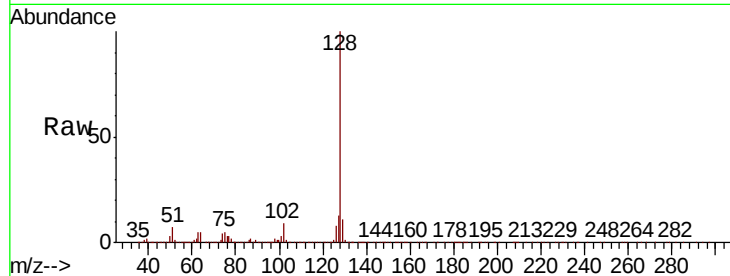




#95  
Naphthalene  
Concen: 20.693 ug/l  
RT: 13.83 min Scan# 2079  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0822WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 320618 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.1  | 10.4  | 15.6   |
| 129      | 10.5  | 8.7   | 13.1   |



#96  
1,2,3-Trichlorobenzene  
Concen: 20.592 ug/l  
RT: 14.02 min Scan# 2110  
Delta R.T. -0.00 min  
Lab File: VX011758.D  
Acq: 22 Aug 2019 13:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 116315 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 93.8  | 48.5  | 145.5  |
| 145      | 30.0  | 14.6  | 43.8   |

