

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012720\  
 Data File : VX014738.D  
 Acq On : 27 Jan 2020 19:47  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 28 03:19:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 22 12:35:15 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 426775   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 658620   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 607810   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 312177   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 254283   | 51.02 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.04% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 212840   | 51.21 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.42% |          |
| 50) Toluene-d8              | 8.71  | 98   | 806580   | 50.48 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 100.96% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 287379   | 50.49 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 100.98% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85   | 270164   | 47.192  | ug/l  | 98     |
| 3) Chloromethane              | 1.32 | 50   | 278653   | 48.264  | ug/l  | 99     |
| 4) Vinyl Chloride             | 1.41 | 62   | 316854   | 50.757  | ug/l  | 100    |
| 5) Bromomethane               | 1.63 | 94   | 195241   | 46.046  | ug/l  | 100    |
| 6) Chloroethane               | 1.72 | 64   | 179829   | 50.361  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 342771   | 47.157  | ug/l  | 99     |
| 8) Diethyl Ether              | 2.18 | 74   | 154821   | 48.798  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101  | 203505   | 47.692  | ug/l  | 98     |
| 10) Methyl Iodide             | 2.50 | 142  | 293349   | 52.393  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 3.03 | 59   | 255770   | 228.591 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96   | 202223   | 47.666  | ug/l  | 99     |
| 13) Acrolein                  | 2.28 | 56   | 313520   | 355.374 | ug/l  | 100    |
| 14) Allyl chloride            | 2.72 | 41   | 374431   | 49.101  | ug/l  | 99     |
| 15) Acrylonitrile             | 3.13 | 53   | 652454   | 252.023 | ug/l  | 100    |
| 16) Acetone                   | 2.43 | 43   | 548688   | 200.910 | ug/l  | 99     |
| 17) Carbon Disulfide          | 2.56 | 76   | 528133   | 45.547  | ug/l  | 98     |
| 18) Methyl Acetate            | 2.76 | 43   | 388837   | 49.872  | ug/l  | 98     |
| 19) Methyl tert-butyl Ether   | 3.19 | 73   | 713202   | 51.324  | ug/l  | 98     |
| 20) Methylene Chloride        | 2.85 | 84   | 245307   | 48.535  | ug/l  | 99     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96   | 221192   | 47.351  | ug/l  | 96     |
| 22) Diisopropyl ether         | 3.84 | 45   | 778543   | 51.316  | ug/l  | 99     |
| 23) Vinyl Acetate             | 3.80 | 43   | 3096214  | 267.718 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 3.69 | 63   | 410778   | 49.856  | ug/l  | 99     |
| 25) 2-Butanone                | 4.65 | 43   | 904571   | 231.145 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 4.58 | 77   | 310397   | 47.066  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96   | 259534   | 49.642  | ug/l  | 99     |
| 28) Bromochloromethane        | 5.01 | 49   | 170325   | 47.043  | ug/l  | 97     |
| 29) Tetrahydrofuran           | 5.11 | 42   | 596770   | 256.930 | ug/l  | 100    |
| 30) Chloroform                | 5.20 | 83   | 406740   | 49.834  | ug/l  | 100    |
| 31) Cyclohexane               | 5.57 | 56   | 369705   | 47.707  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97   | 338465   | 49.059  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75   | 301574   | 49.278  | ug/l  | 99     |
| 37) Ethyl Acetate             | 4.82 | 43   | 357157   | 50.955  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117  | 285662   | 48.875  | ug/l  | 100    |

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 Acq On : 27 Jan 2020 19:47  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 28 03:19:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 22 12:35:15 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 369048   | 48.136  | ug/l   | 97       |
| 40) Benzene                    | 6.14  | 78   | 941953   | 49.815  | ug/l   | 97       |
| 41) Methacrylonitrile          | 5.03  | 41   | 195518   | 48.888  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.19  | 62   | 325821   | 49.898  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.43  | 43   | 574137   | 50.020  | ug/l   | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 257611   | 48.231  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 248305   | 50.972  | ug/l   | 99       |
| 46) Dibromomethane             | 7.65  | 93   | 159715   | 50.622  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.89  | 83   | 316976   | 51.224  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.76  | 41   | 284147   | 51.812  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 112673   | 969.218 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 1839265  | 253.888 | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 589936   | 50.753  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 350210   | 52.560  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 389374   | 53.121  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 245167   | 51.517  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 388348   | 48.201  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 415791   | 51.110  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 647082   | 270.370 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 1390179  | 247.295 | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.57  | 129  | 257273   | 51.793  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 254350   | 50.550  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.33  | 164  | 262864   | 43.690  | ug/l   | 98       |
| 65) Chlorobenzene              | 10.14 | 112  | 636907   | 48.990  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 236640   | 49.367  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 1125976  | 50.723  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 858407   | 102.072 | ug/l   | 100      |
| 69) o-Xylene                   | 10.70 | 106  | 418041   | 51.490  | ug/l   | 98       |
| 70) Styrene                    | 10.71 | 104  | 717098   | 52.654  | ug/l   | 100      |
| 71) Bromoform                  | 10.85 | 173  | 198465   | 52.064  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.01 | 105  | 1093861  | 49.834  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 513205   | 53.354  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 371739   | 47.432  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 434992   | 59.892  | ug/l   | 91       |
| 77) Bromobenzene               | 11.25 | 156  | 288416   | 48.910  | ug/l   | 97       |
| 78) n-propylbenzene            | 11.35 | 91   | 1240001  | 49.768  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 743916   | 49.346  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 914865   | 50.218  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 123332   | 48.324  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 862409   | 50.249  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 878143   | 51.297  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 924637   | 50.600  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 1053482  | 50.234  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 977996   | 50.461  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 510482   | 48.169  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 509866   | 48.030  | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.39 | 91   | 834968   | 49.465  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.59 | 117  | 175566   | 48.770  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 512149   | 48.657  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 80910    | 48.051  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012720\  
Data File : VX014738.D  
Acq On : 27 Jan 2020 19:47  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 26 Sample Multiplier: 1

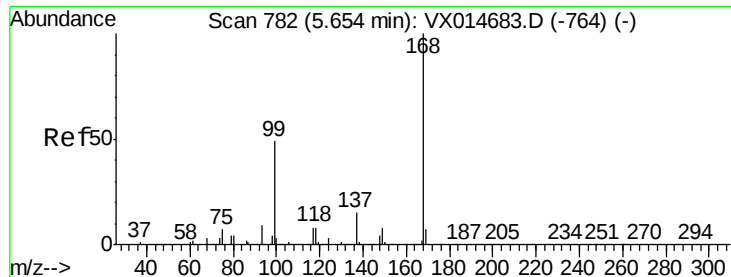
Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jan 28 03:19:40 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 22 12:35:15 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 344122   | 50.710 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 163187   | 46.722 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 1050929  | 48.062 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 353855   | 51.570 | ug/l  | 99       |

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



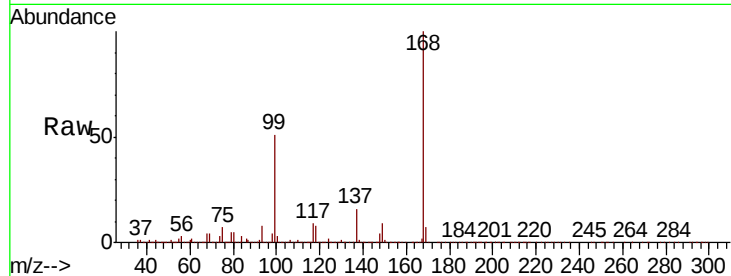


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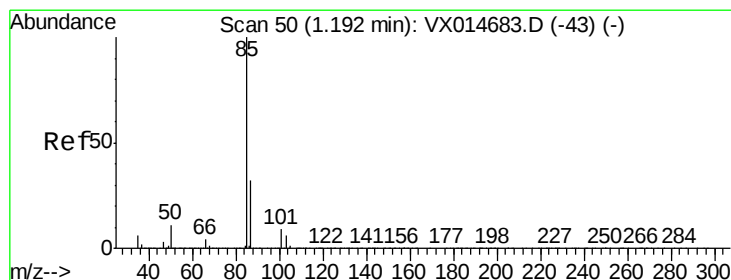
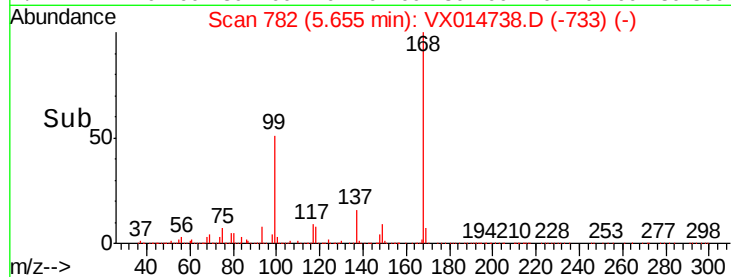
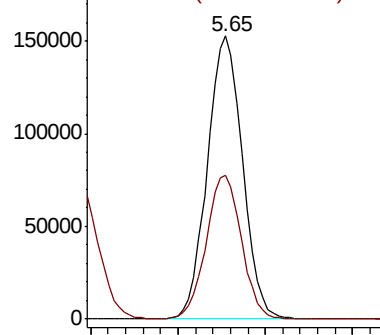
Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.65 min Scan# 782  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion:168 Resp: 426775  
 Ion Ratio Lower Upper  
 168 100  
 99 50.8 39.8 59.6



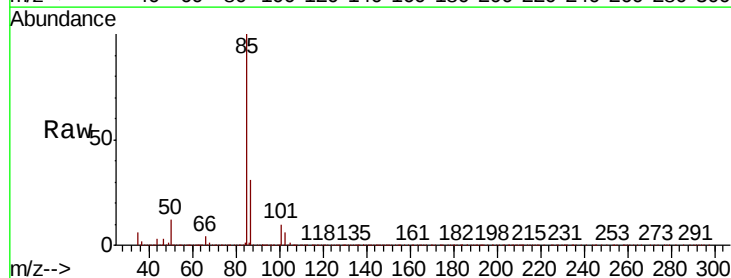
Abundance Ion 167.90 (167.60 to 168.60): V  
 Ion 98.90 (98.60 to 99.60): VX0



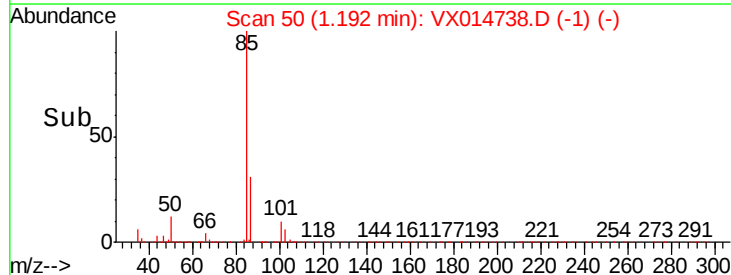
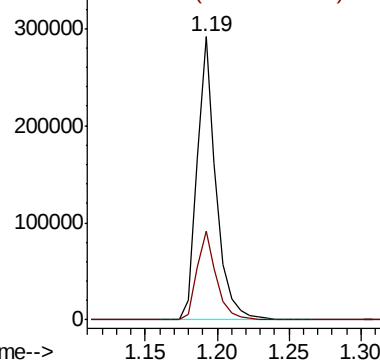
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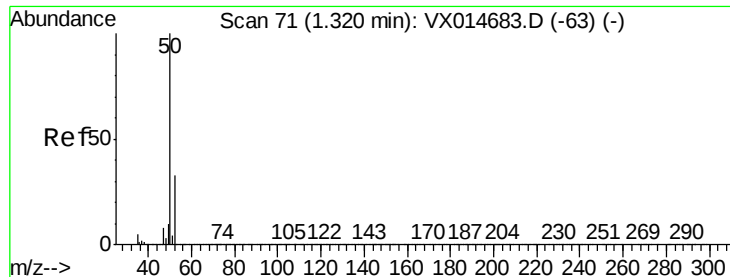
Dichlorodifluoromethane  
 Concen: 47.192 ug/l  
 RT: 1.19 min Scan# 50  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

Tgt Ion: 85 Resp: 270164  
 Ion Ratio Lower Upper  
 85 100  
 87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0  
 Ion 86.90 (86.60 to 87.60): VX0

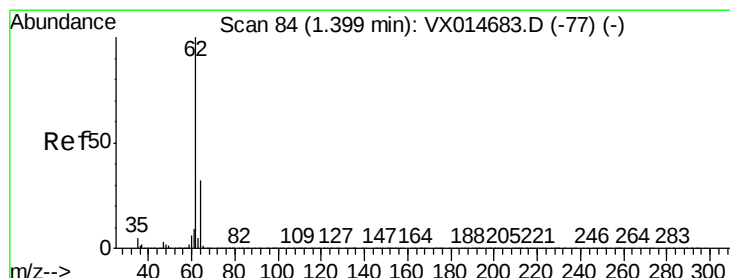
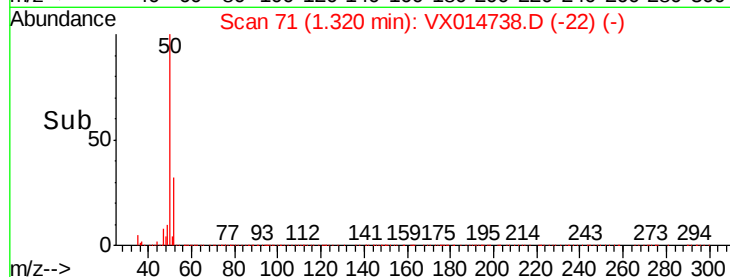
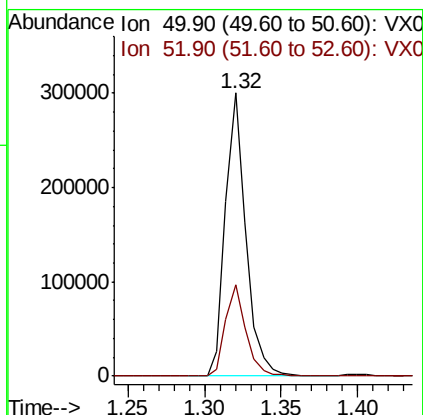
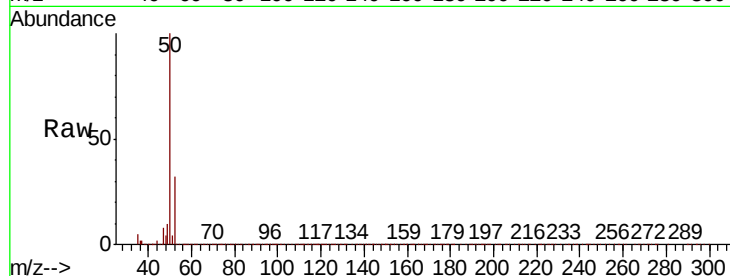




#3  
Chloromethane  
Concen: 48.264 ug/l  
RT: 1.32 min Scan# 71  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

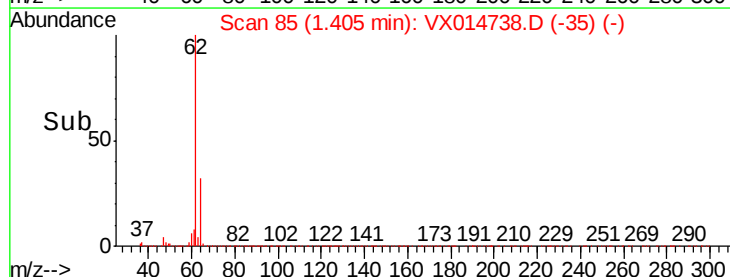
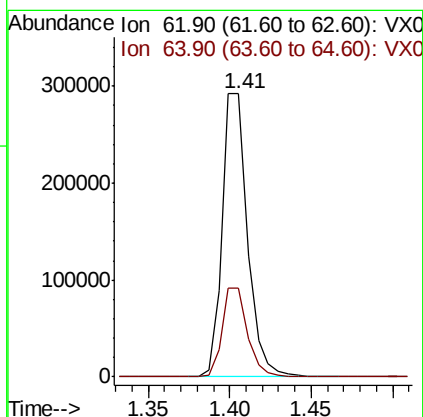
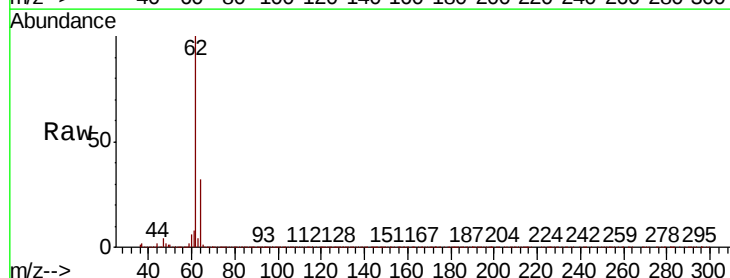
Instrument :  
MSVOA\_X  
ClientSampleId :

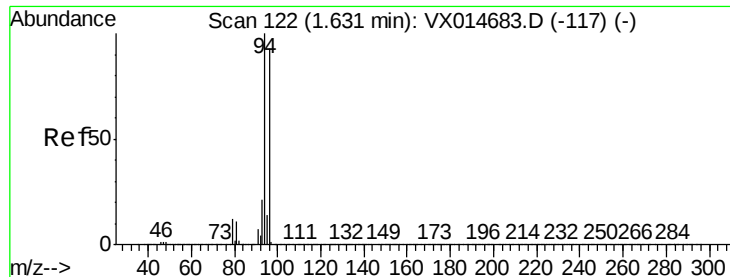
Tot Ion: 50 Resp: 278653  
Ion Ratio Lower Upper  
50 100  
52 32.4 26.2 39.2



#4  
Vinyl Chloride  
Concen: 50.757 ug/l  
RT: 1.41 min Scan# 85  
Delta R.T. 0.01 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

Tgt Ion: 62 Resp: 316854  
Ion Ratio Lower Upper  
62 100  
64 31.6 25.4 38.2





#5

Bromomethane

Concen: 46.046 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

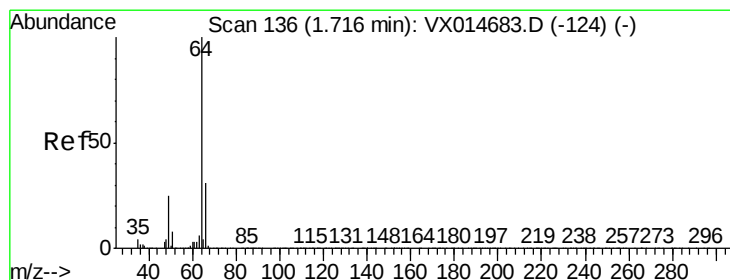
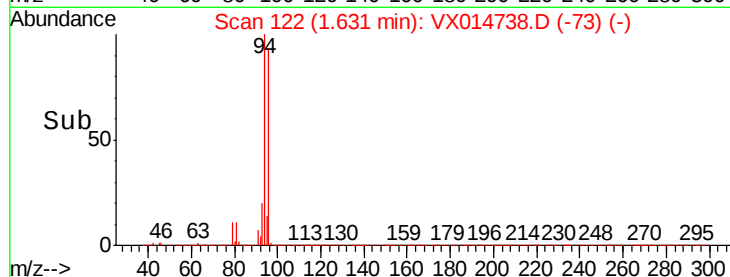
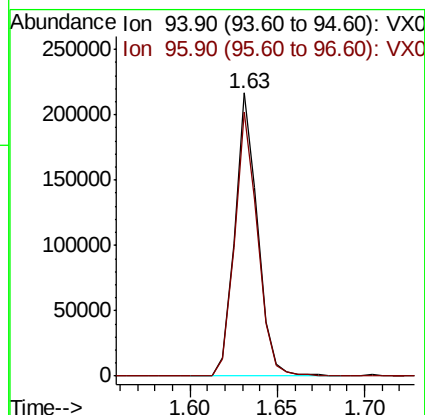
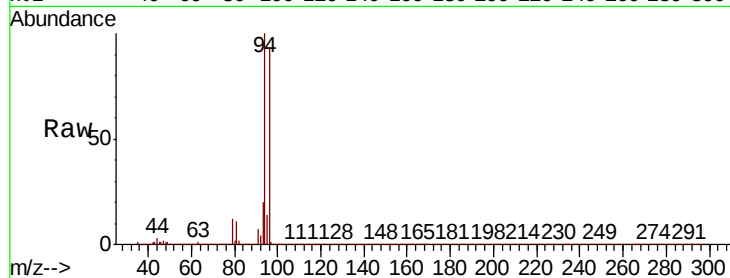
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 94 Resp: 195241

Ion Ratio Lower Upper

94 100

96 93.3 74.7 112.1



#6

Chloroethane

Concen: 50.361 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014738.D

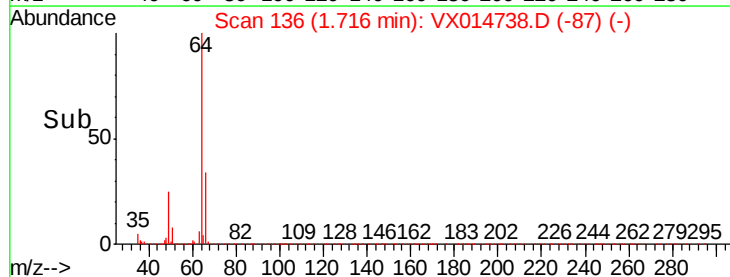
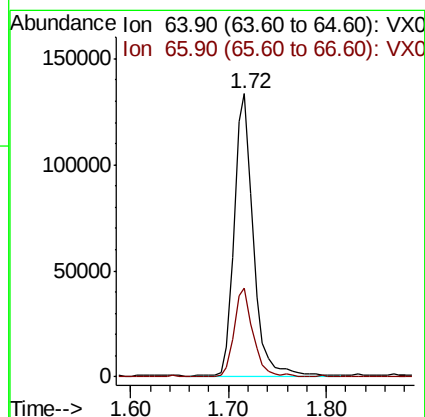
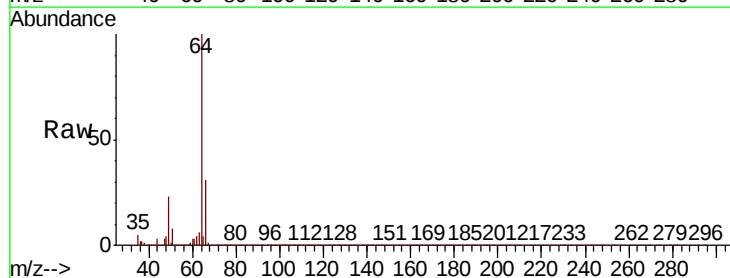
Acq: 27 Jan 2020 19:47

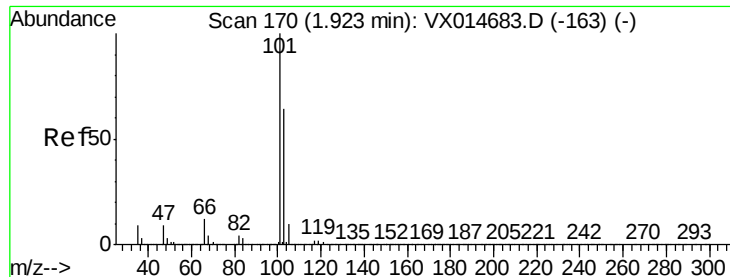
Tgt Ion: 64 Resp: 179829

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8



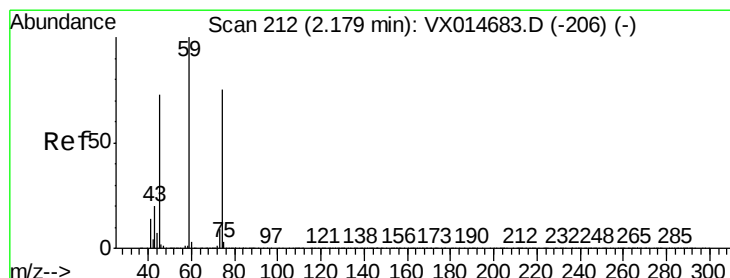
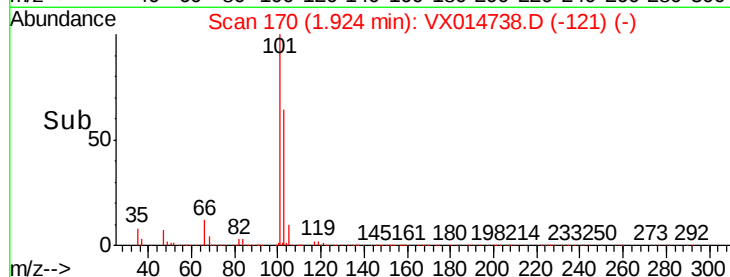
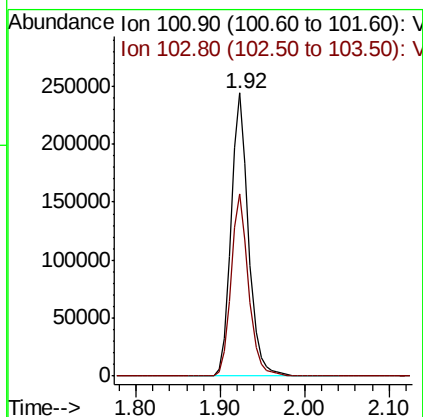
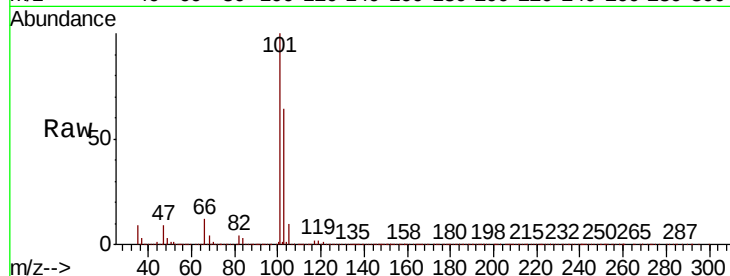


#7

Trichlorofluoromethane  
Concen: 47.157 ug/l  
RT: 1.92 min Scan# 170  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

Instrument :  
MSVOA\_X  
ClientSampled :

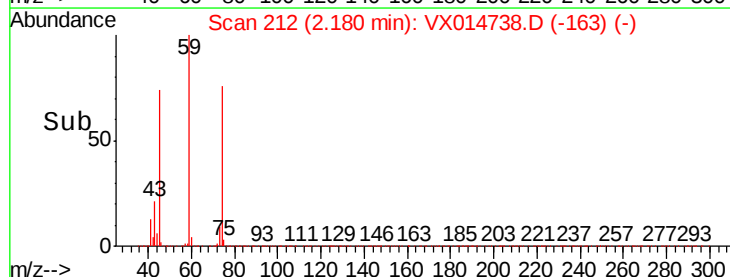
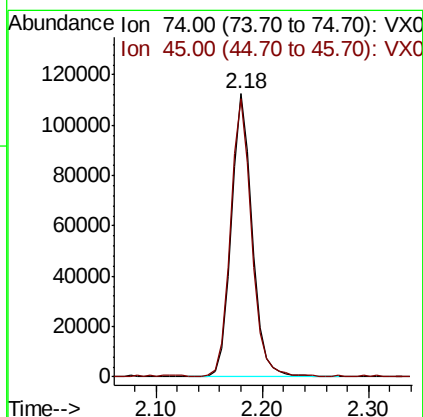
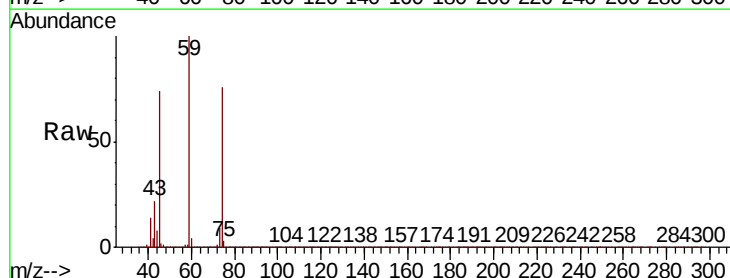
Tot Ion:101 Resp: 342771  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.0 76.6

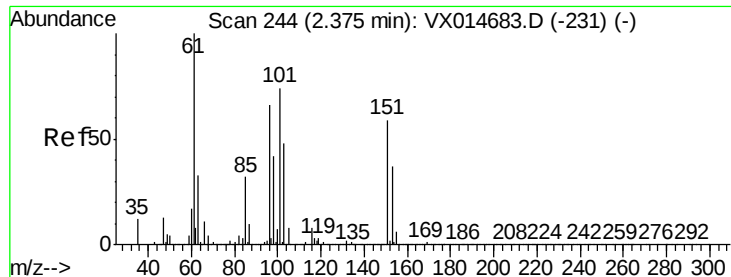


#8

Diethyl Ether  
Concen: 48.798 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

Tgt Ion: 74 Resp: 154821  
Ion Ratio Lower Upper  
74 100  
45 98.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.692 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

ClientSampleId :

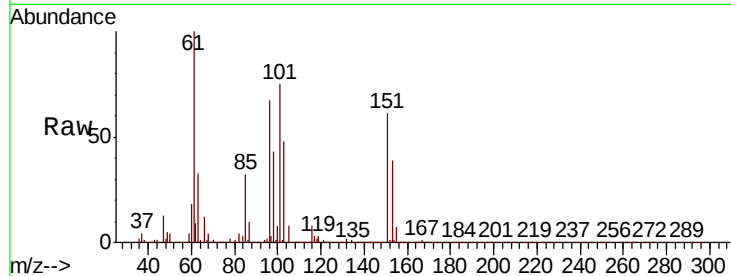
Tot Ion:101 Resp: 203505

Ion Ratio Lower Upper

101 100

85 41.9 34.7 52.1

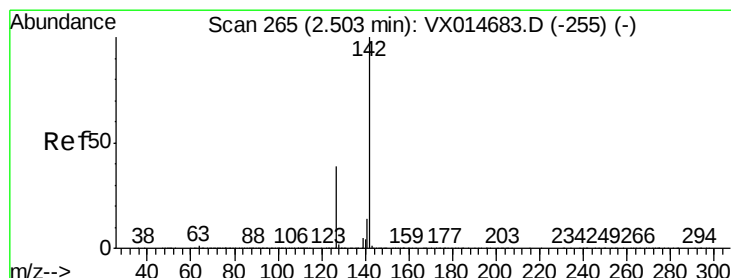
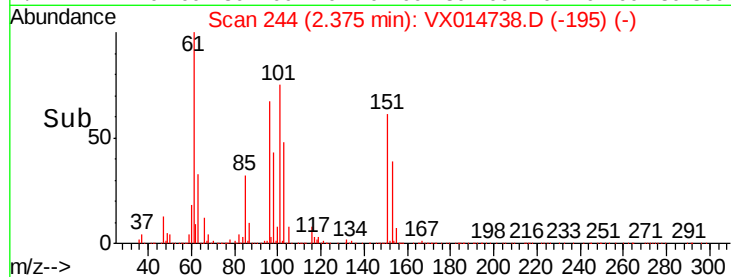
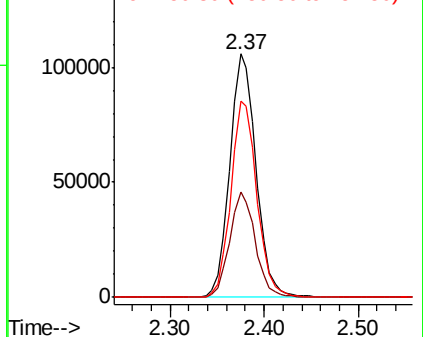
151 79.8 64.7 97.1



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: 52.393 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

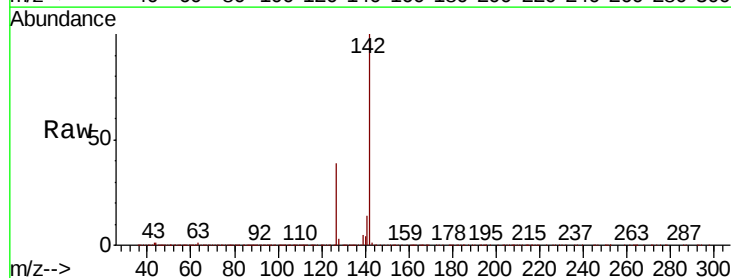
Tgt Ion:142 Resp: 293349

Ion Ratio Lower Upper

142 100

127 39.3 31.1 46.7

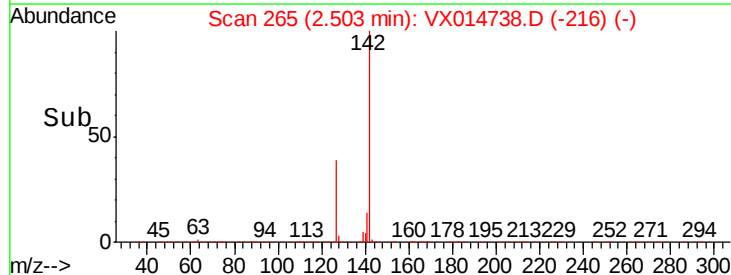
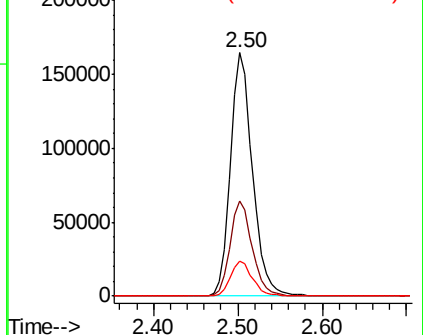
141 14.4 11.3 16.9

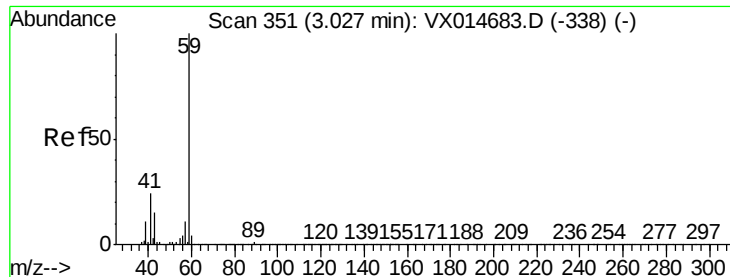


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



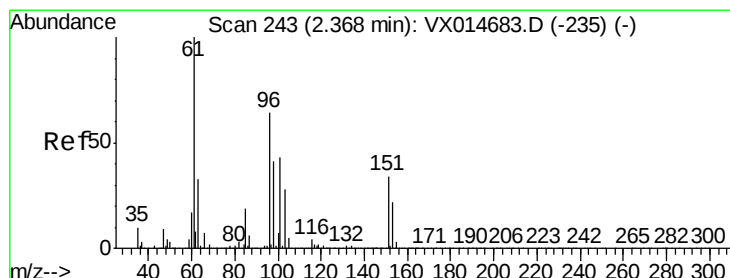
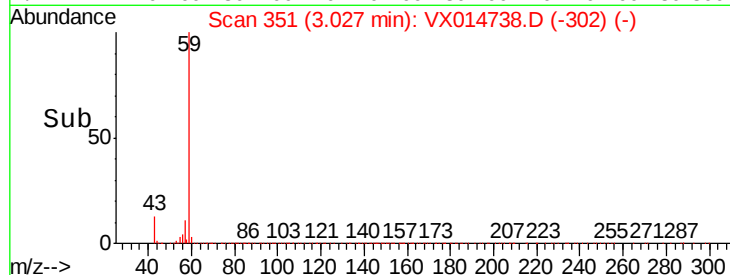
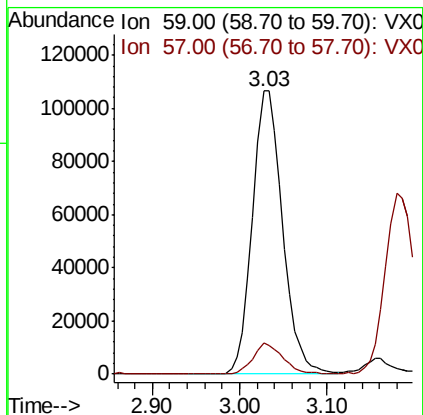
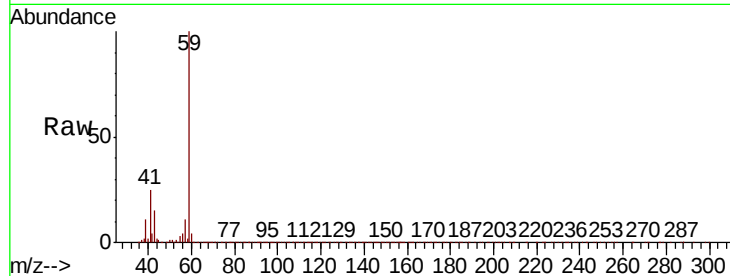


#11

Tert butyl alcohol  
Concen: 228.591 ug/l  
RT: 3.03 min Scan# 351  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :

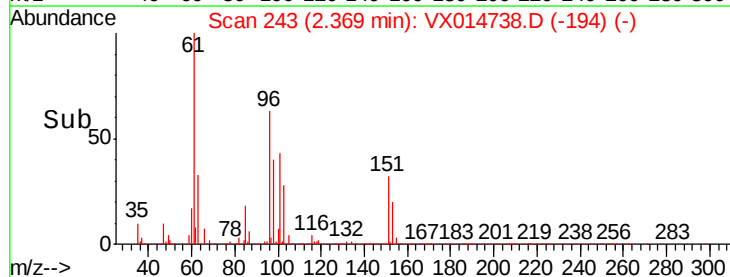
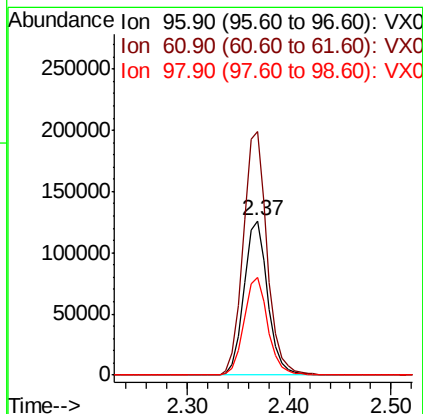
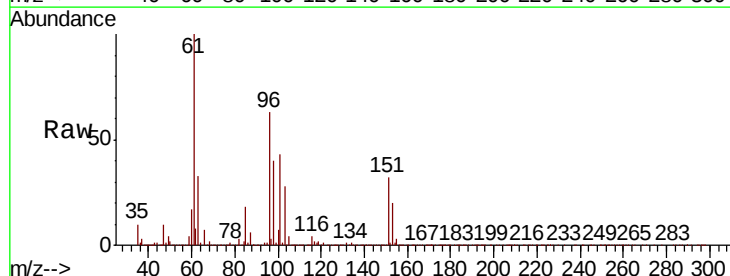
Tot Ion: 59 Resp: 255770  
Ion Ratio Lower Upper  
59 100  
57 10.6 8.3 12.5

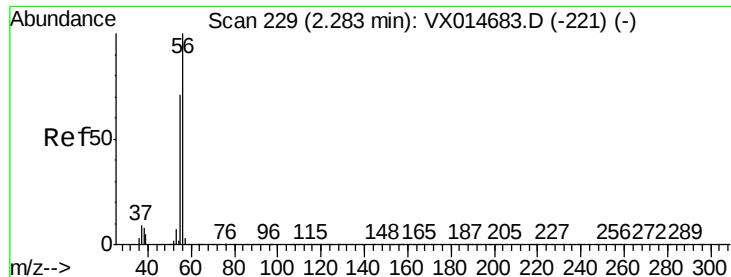


#12

1,1-Dichloroethene  
Concen: 47.666 ug/l  
RT: 2.37 min Scan# 243  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

Tgt Ion: 96 Resp: 202223  
Ion Ratio Lower Upper  
96 100  
61 158.0 125.8 188.8  
98 63.5 51.5 77.3





#13

Acrolein

Concen: 355.374 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

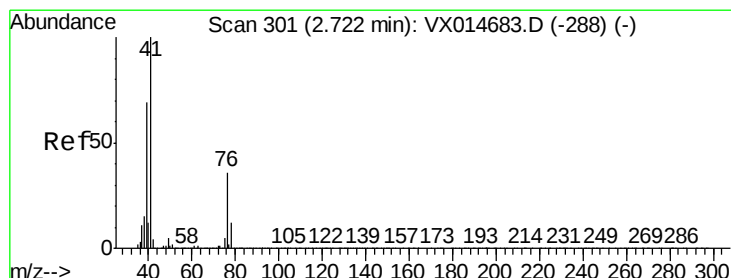
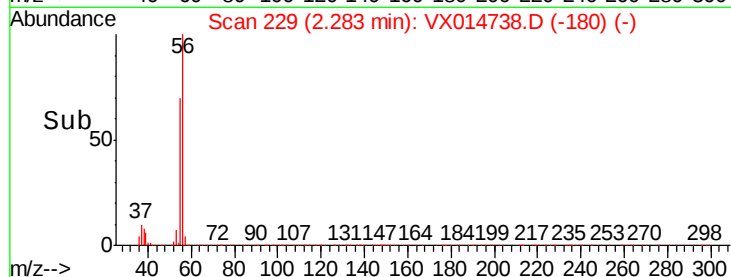
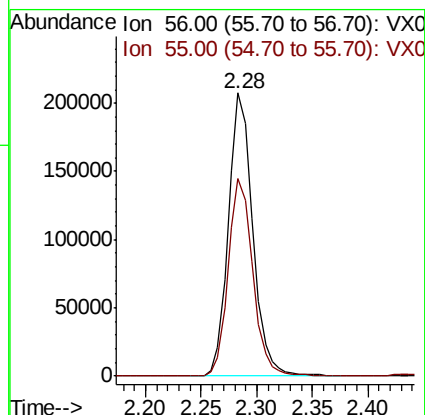
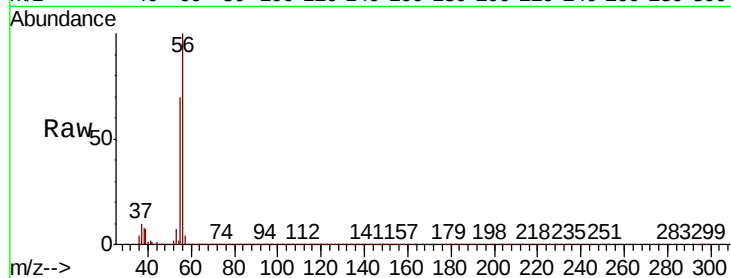
ClientSampleId :

Tot Ion: 56 Resp: 313520

Ion Ratio Lower Upper

56 100

55 70.4 56.6 84.8



#14

Allyl chloride

Concen: 49.101 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

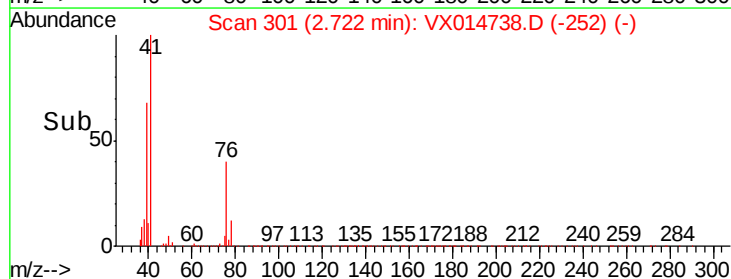
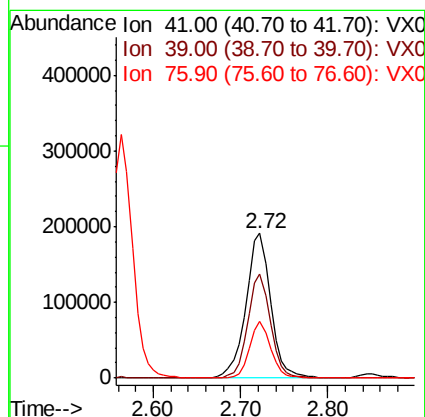
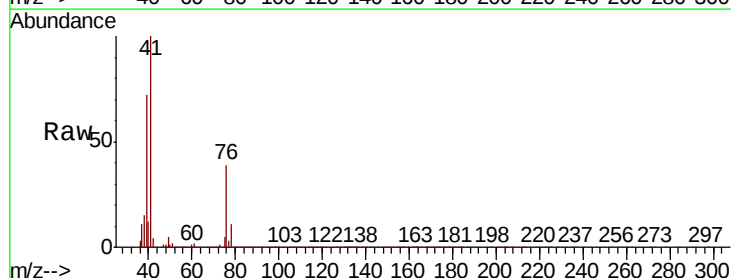
Tgt Ion: 41 Resp: 374431

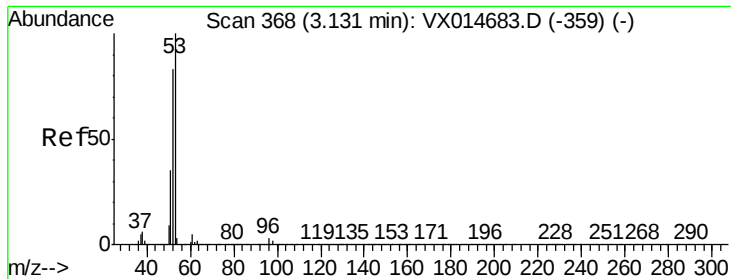
Ion Ratio Lower Upper

41 100

39 65.6 52.0 78.0

76 33.0 26.0 39.0





#15

Acrylonitrile

Concen: 252.023 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

ClientSampleId :

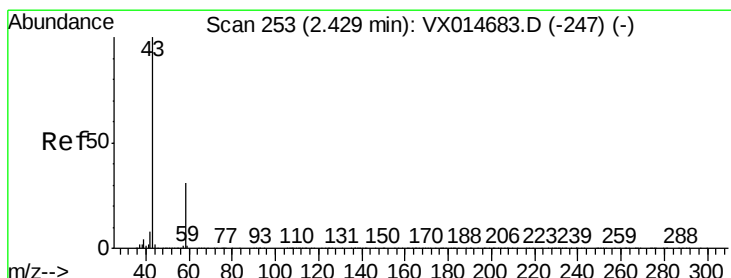
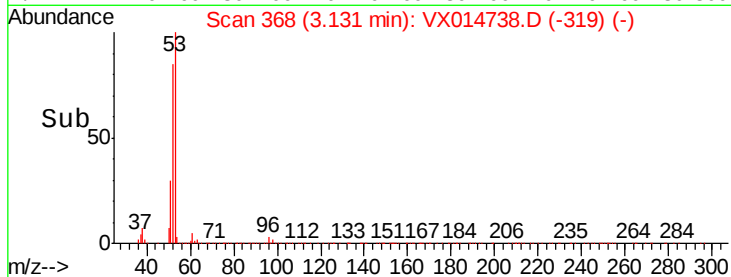
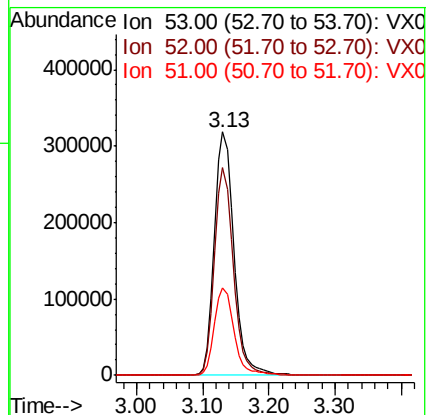
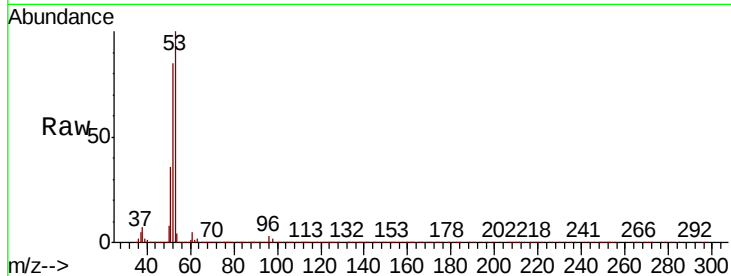
Tot Ion: 53 Resp: 652454

Ion Ratio Lower Upper

53 100

52 82.8 66.4 99.6

51 36.2 28.7 43.1



#16

Acetone

Concen: 200.910 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014738.D

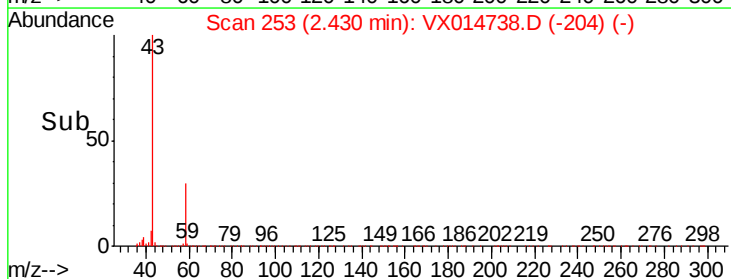
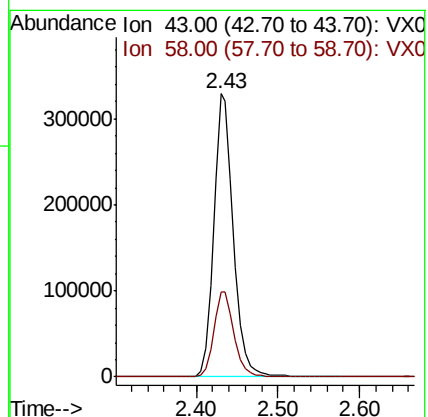
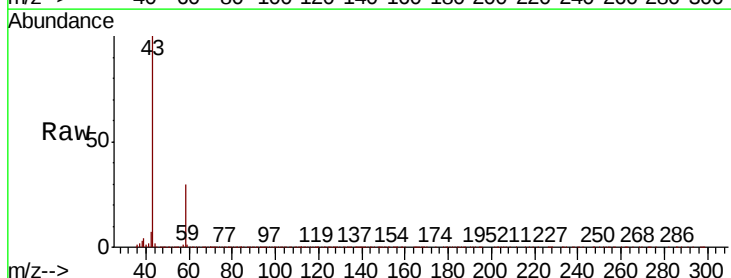
Acq: 27 Jan 2020 19:47

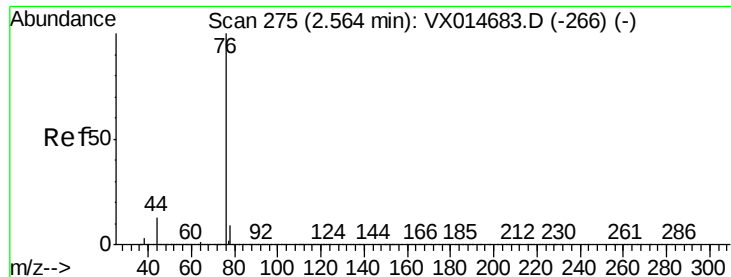
Tgt Ion: 43 Resp: 548688

Ion Ratio Lower Upper

43 100

58 30.1 24.5 36.7

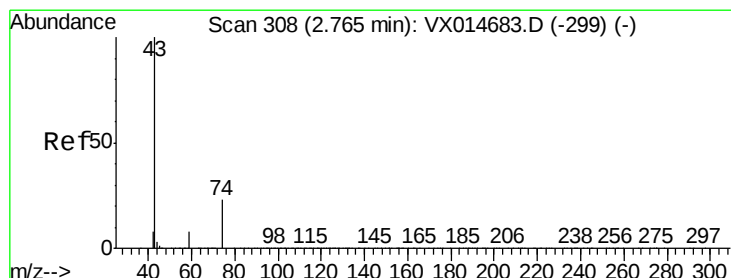
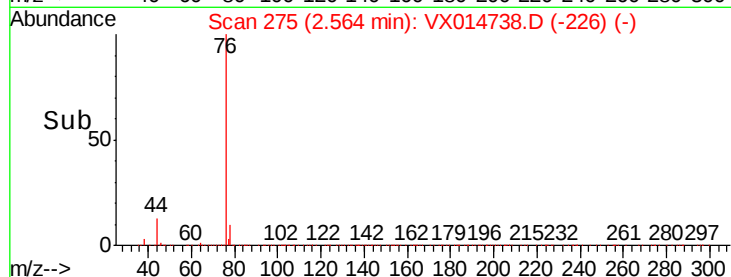
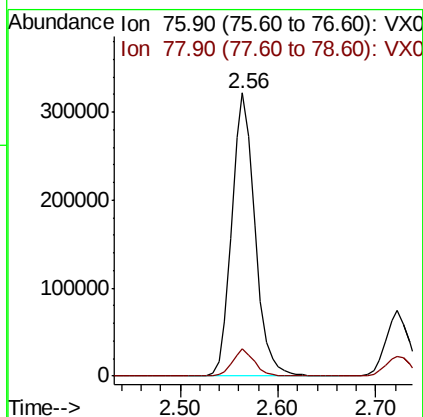
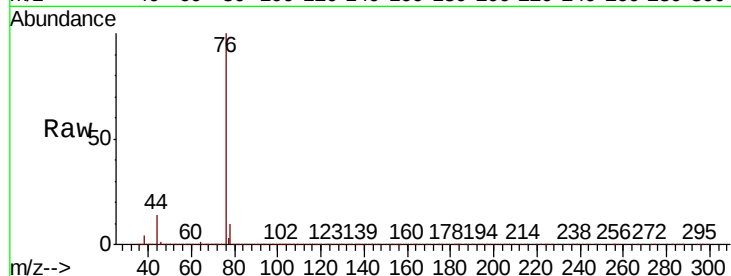




#17  
Carbon Disulfide  
Concen: 45.547 ug/l  
RT: 2.56 min Scan# 275  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

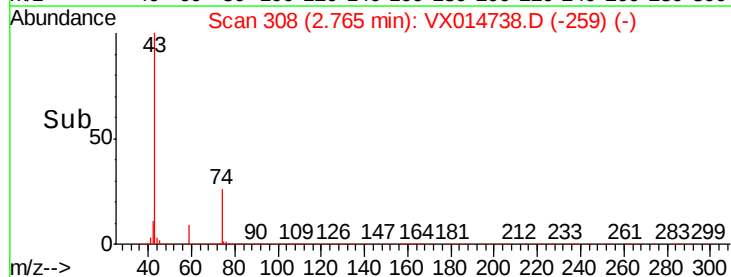
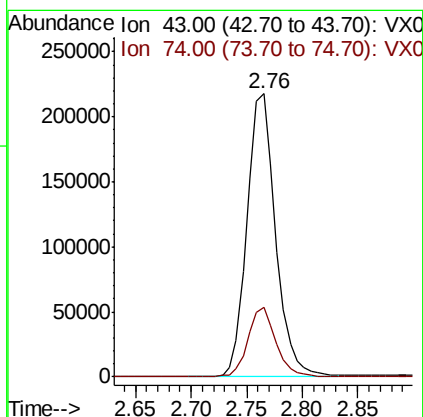
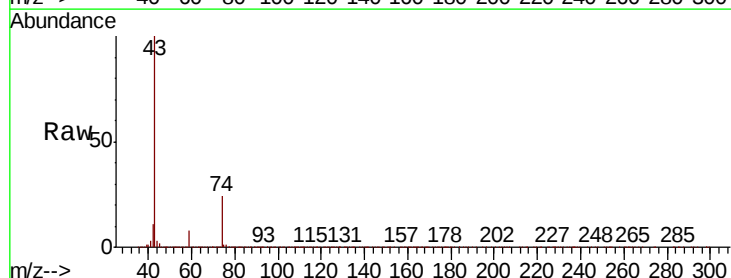
Instrument :  
MSVOA\_X  
ClientSampleId :

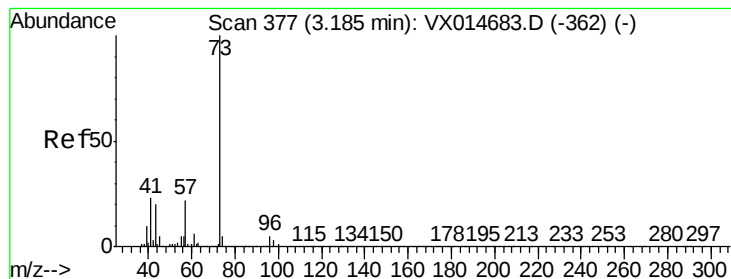
Tot Ion: 76 Resp: 528133  
Ion Ratio Lower Upper  
76 100  
78 9.8 7.2 10.8



#18  
Methyl Acetate  
Concen: 49.872 ug/l  
RT: 2.76 min Scan# 308  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

Tgt Ion: 43 Resp: 388837  
Ion Ratio Lower Upper  
43 100  
74 23.9 18.5 27.7



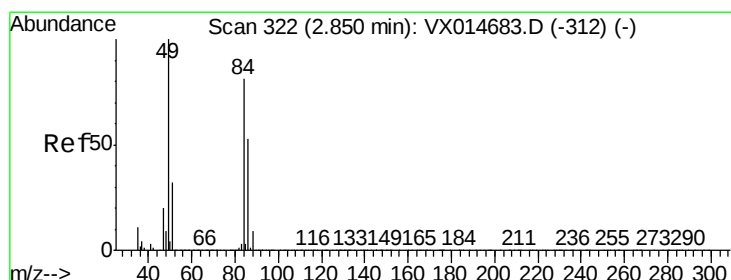
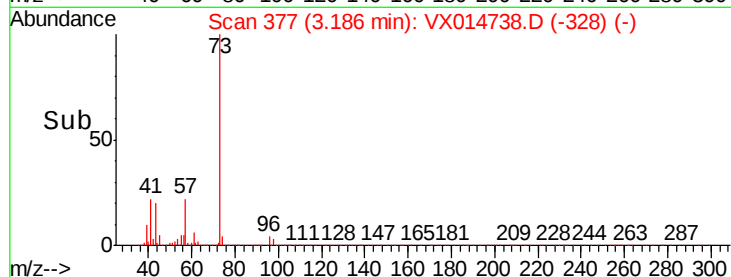
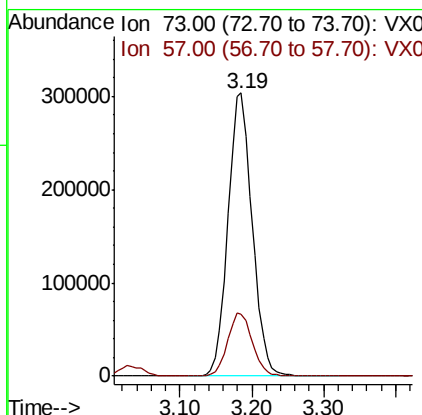
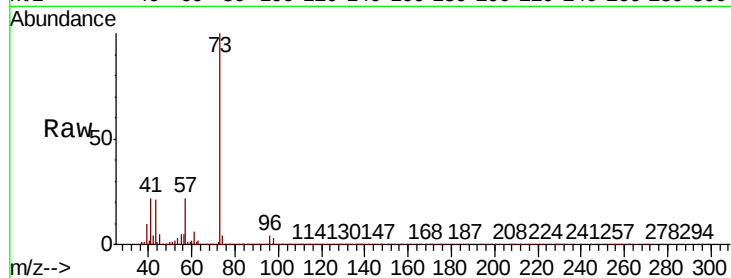


#19

Methyl tert-butyl Ether  
 Concen: 51.324 ug/l  
 RT: 3.19 min Scan# 377  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :

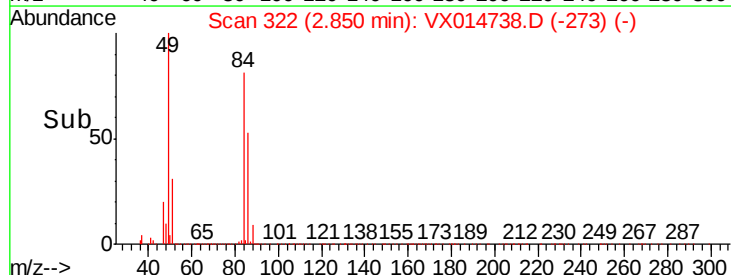
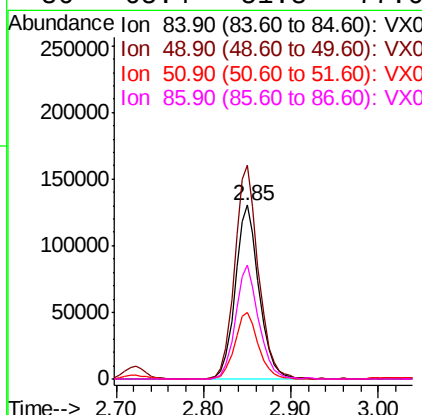
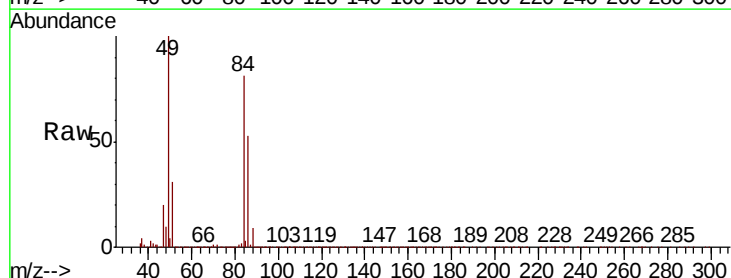
Tot Ion: 73 Resp: 713202  
 Ion Ratio Lower Upper  
 73 100  
 57 21.6 18.0 27.0

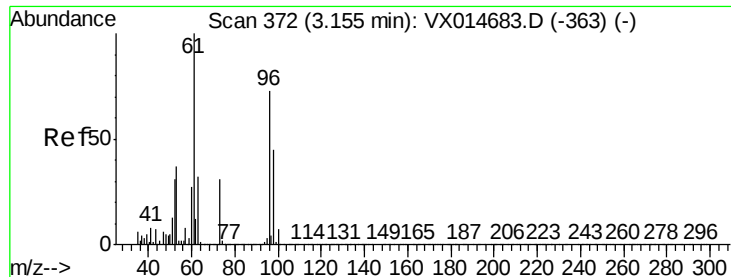


#20

Methylene Chloride  
 Concen: 48.535 ug/l  
 RT: 2.85 min Scan# 322  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

Tgt Ion: 84 Resp: 245307  
 Ion Ratio Lower Upper  
 84 100  
 49 123.0 98.2 147.4  
 51 37.8 31.3 46.9  
 86 65.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.351 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

ClientSampleId :

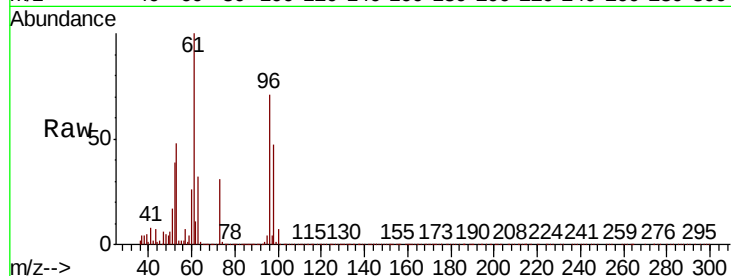
Tot Ion: 96 Resp: 221192

Ion Ratio Lower Upper

96 100

61 141.2 109.8 164.6

98 66.8 49.6 74.4

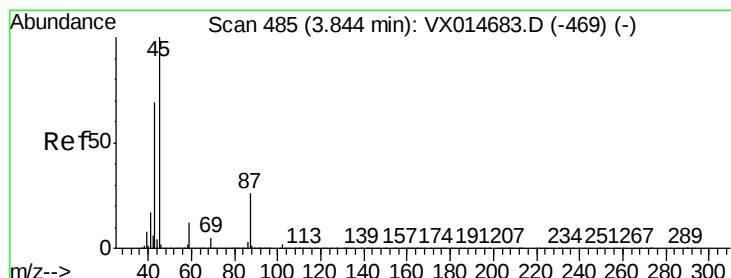
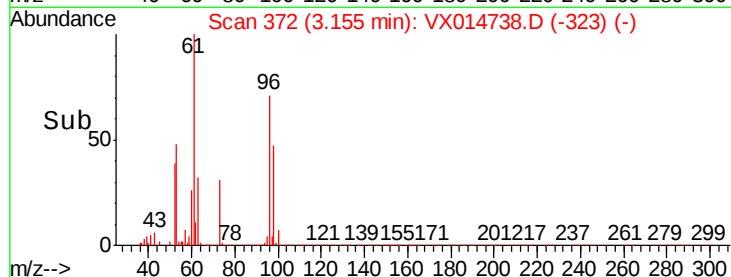
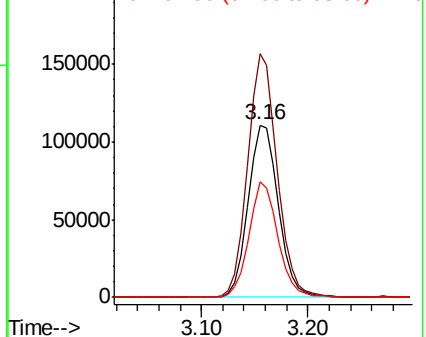


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.316 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Tgt Ion: 45 Resp: 778543

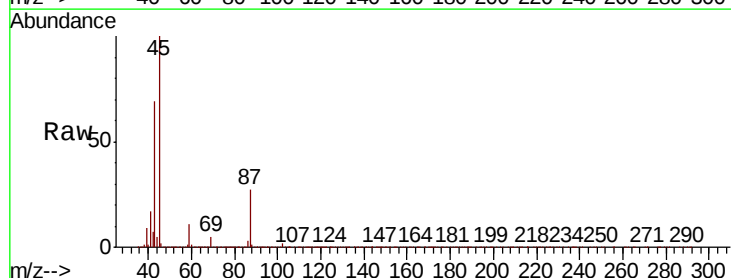
Ion Ratio Lower Upper

45 100

43 68.9 55.1 82.7

87 27.1 20.7 31.1

59 11.3 9.2 13.8



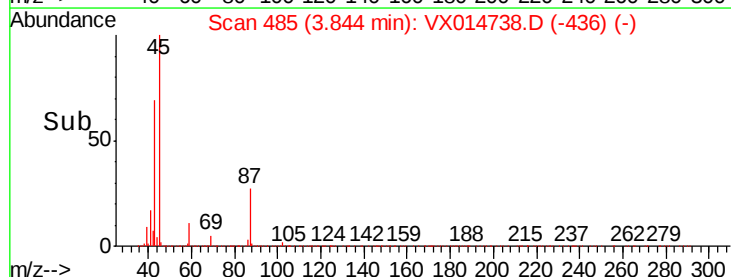
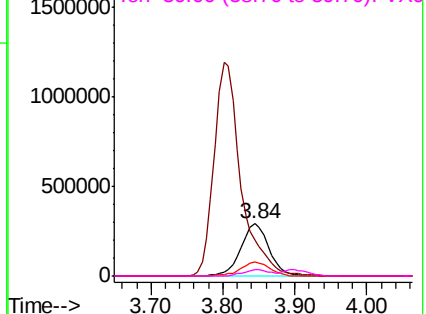
Abundance

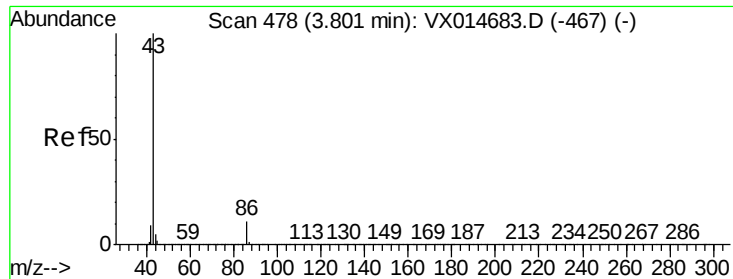
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 267.718 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

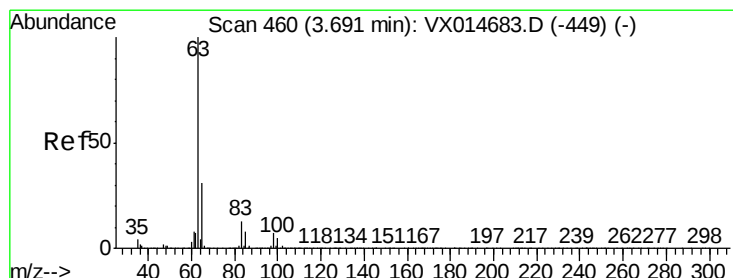
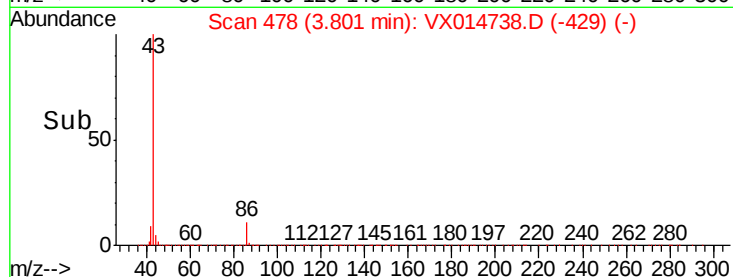
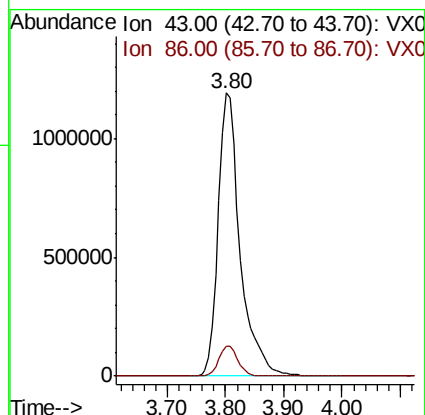
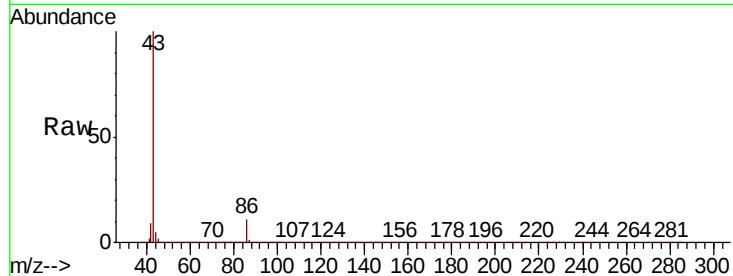
ClientSampleId :

Tot Ion: 43 Resp: 3096214

Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6



#24

1,1-Dichloroethane

Concen: 49.856 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

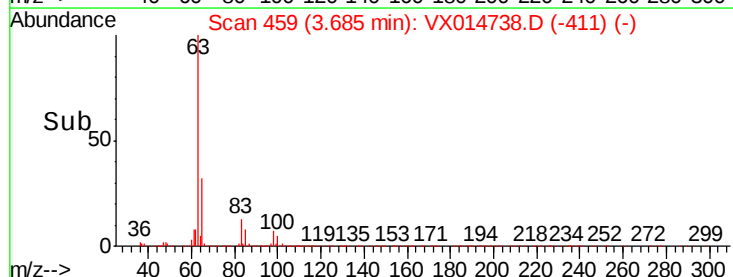
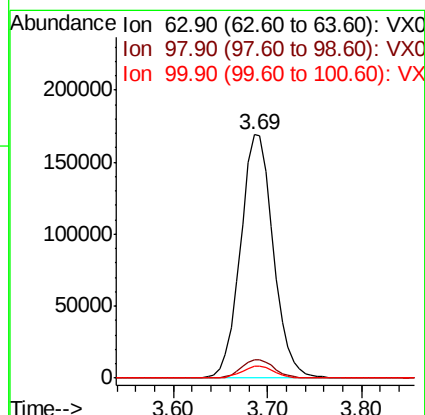
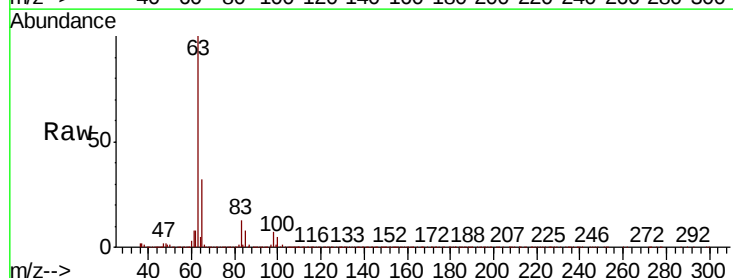
Tgt Ion: 63 Resp: 410778

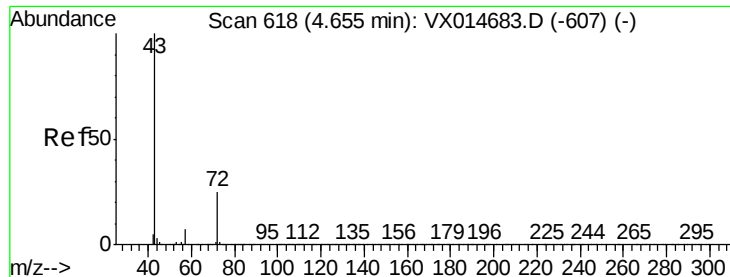
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 231.145 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

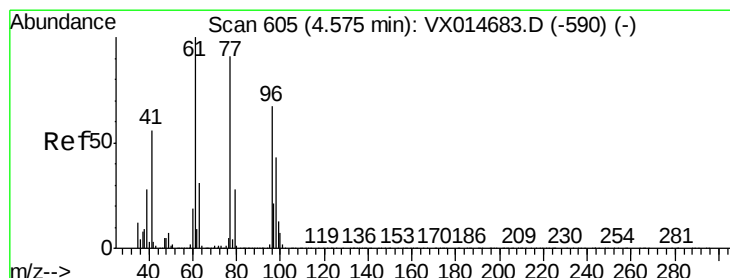
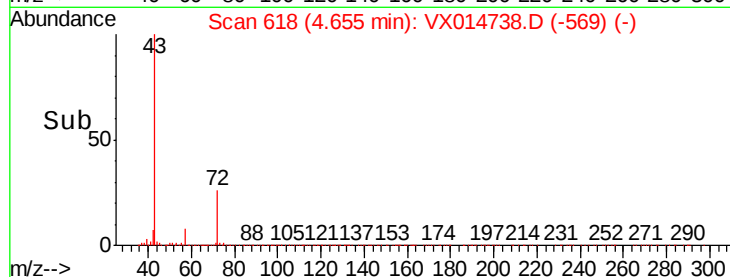
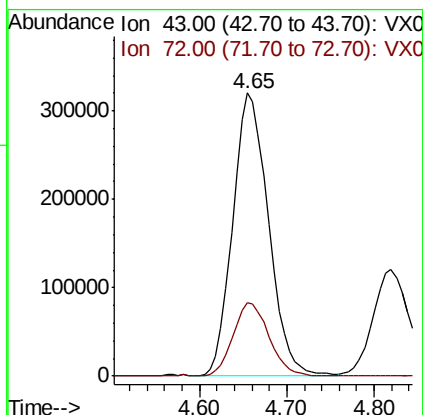
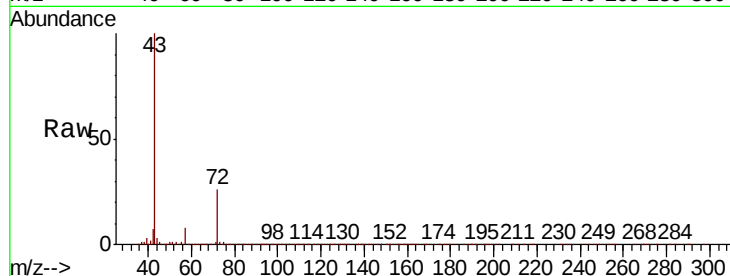
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 43 Resp: 904571

Ion Ratio Lower Upper

43 100

72 25.6 19.9 29.9



#26

2,2-Dichloropropane

Concen: 47.066 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX014738.D

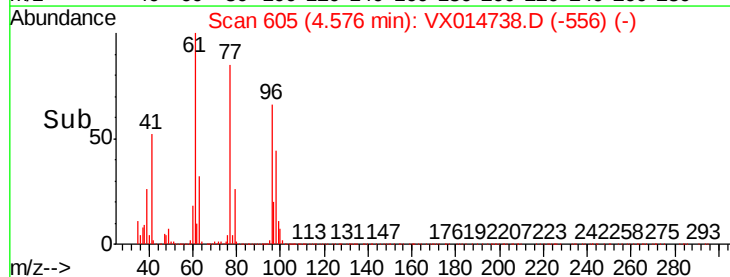
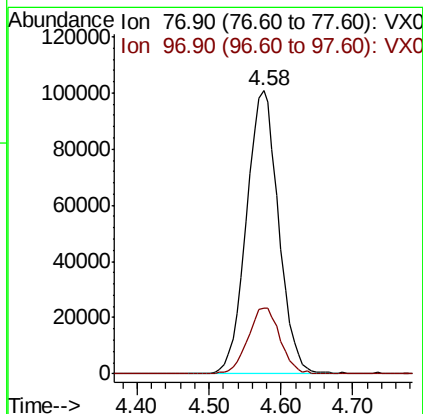
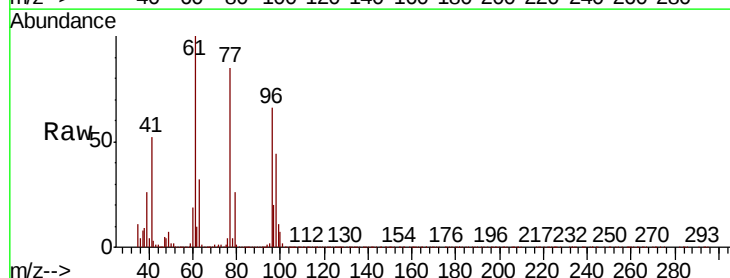
Acq: 27 Jan 2020 19:47

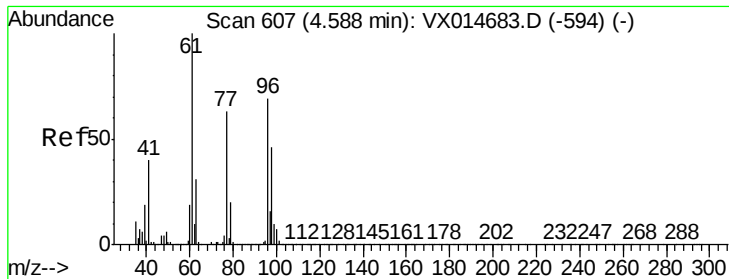
Tgt Ion: 77 Resp: 310397

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3



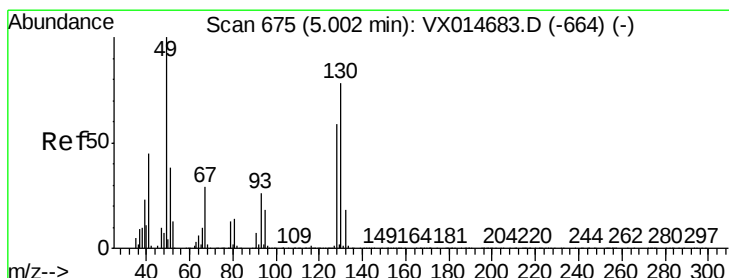
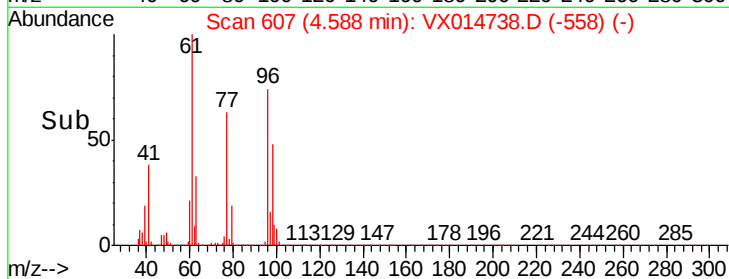
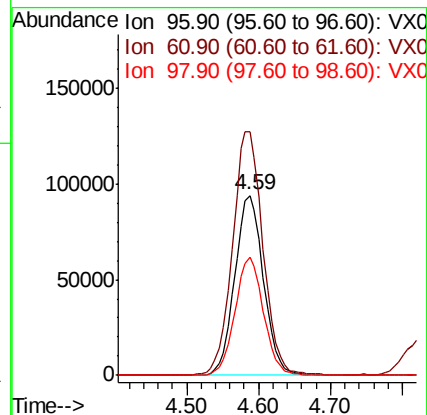
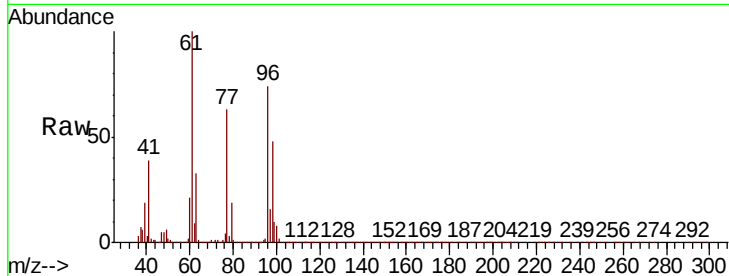


#27

cis-1,2-Dichloroethene  
Concen: 49.642 ug/l  
RT: 4.59 min Scan# 607  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

Instrument :  
MSVOA\_X  
ClientSampleId :

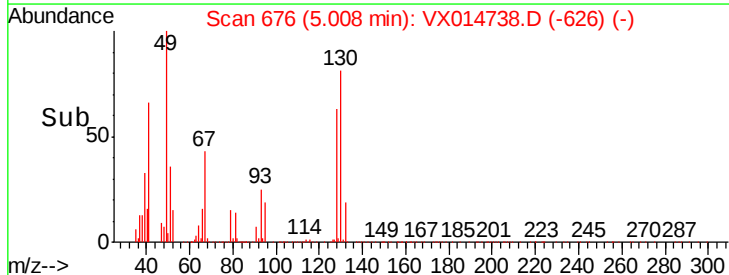
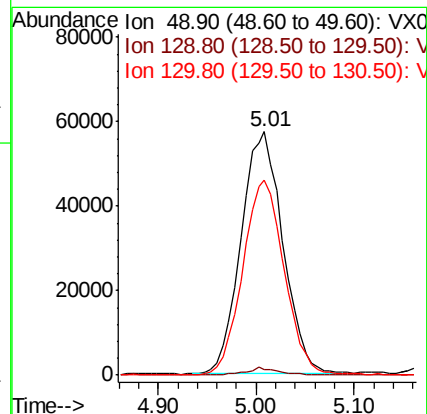
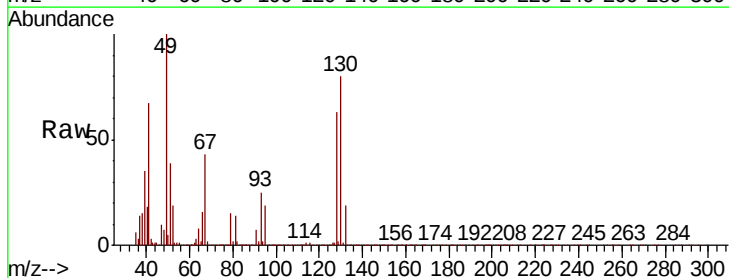
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 143.1 | 0.0   | 291.0 |
| 98      | 64.8  | 0.0   | 129.8 |

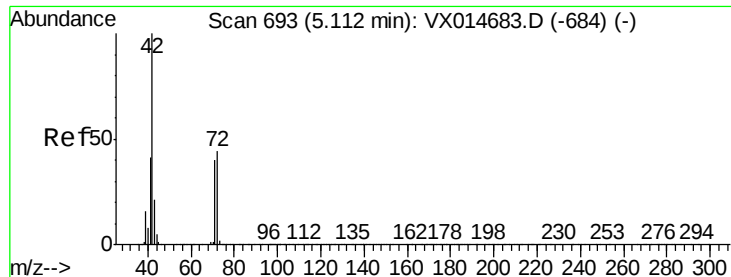


#28

Bromochloromethane  
Concen: 47.043 ug/l  
RT: 5.01 min Scan# 676  
Delta R.T. 0.01 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.4   | 0.0   | 4.8   |
| 130     | 80.2  | 62.4  | 93.6  |





#29

Tetrahydrofuran

Concen: 256.930 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

ClientSampleId :

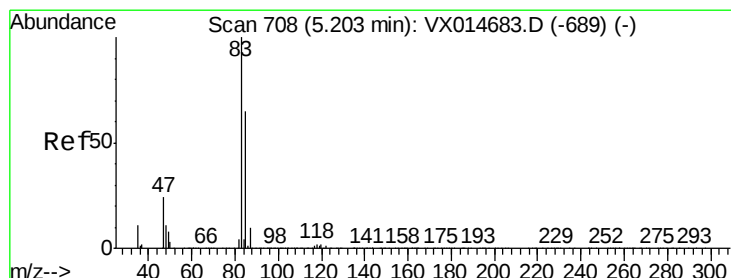
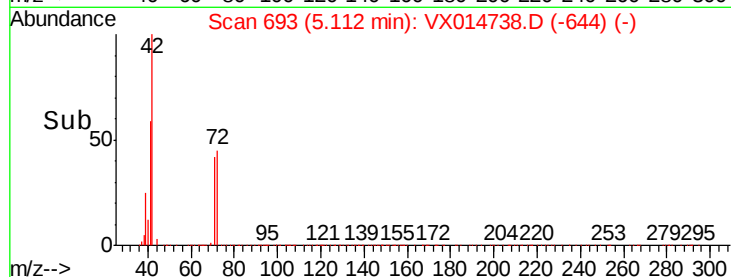
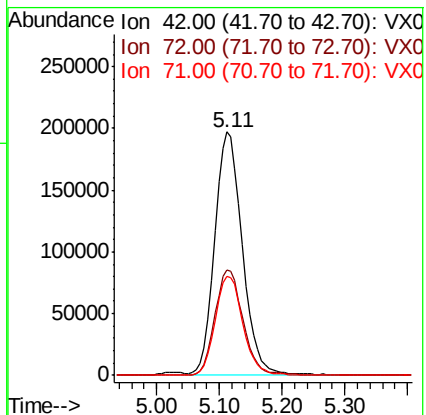
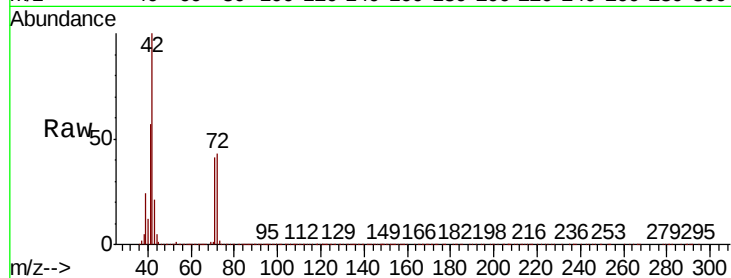
Tot Ion: 42 Resp: 596770

Ion Ratio Lower Upper

42 100

72 44.2 35.3 52.9

71 41.1 33.1 49.7



#30

Chloroform

Concen: 49.834 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX014738.D

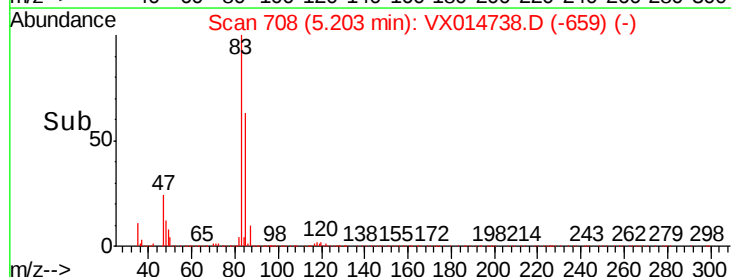
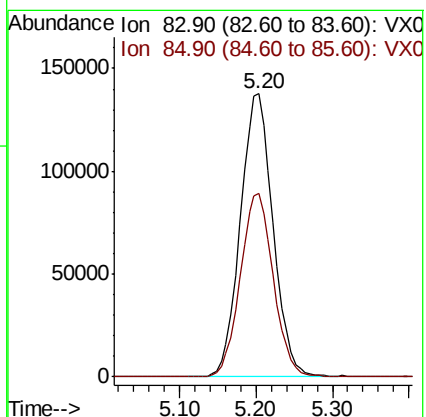
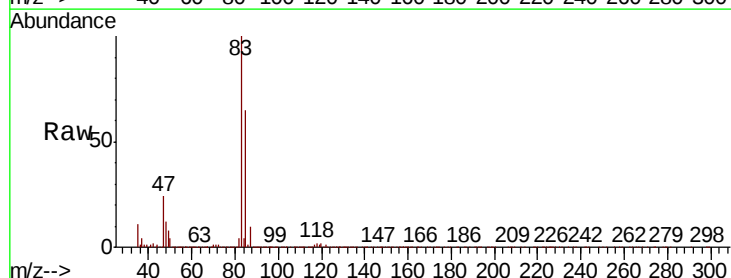
Acq: 27 Jan 2020 19:47

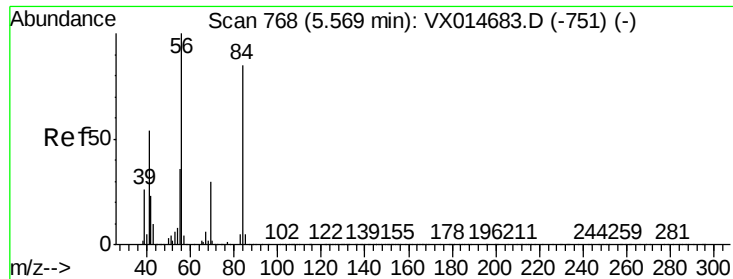
Tgt Ion: 83 Resp: 406740

Ion Ratio Lower Upper

83 100

85 64.8 51.7 77.5

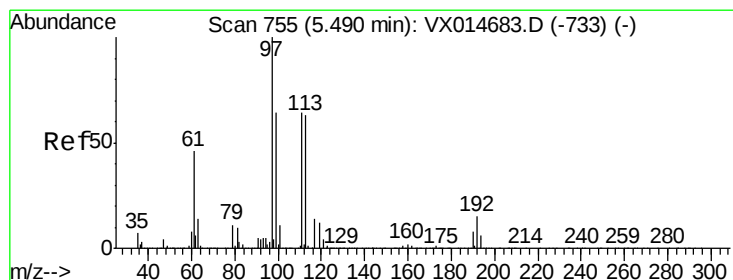
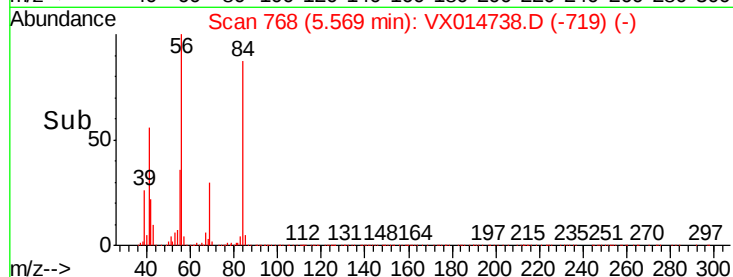
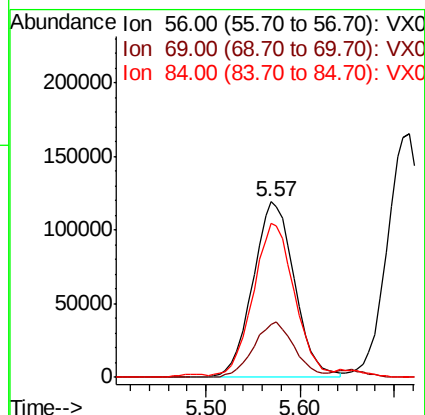
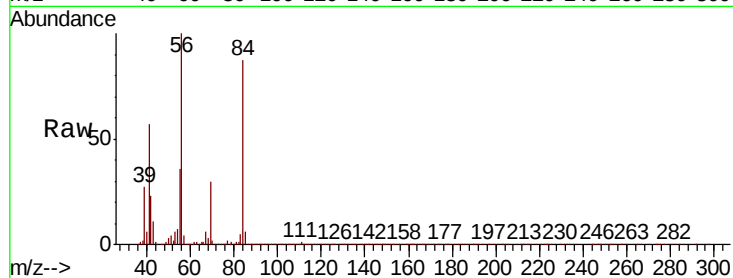




#31  
Cyclohexane  
Concen: 47.707 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

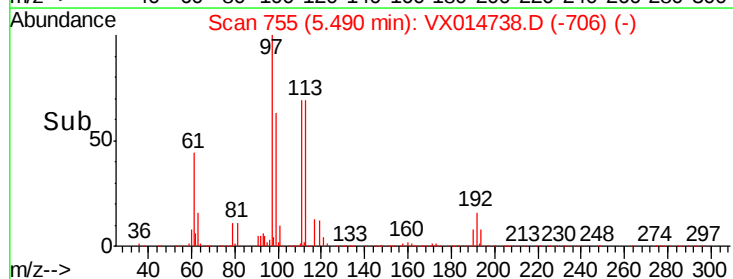
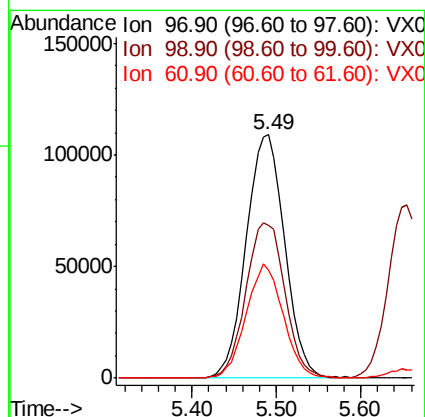
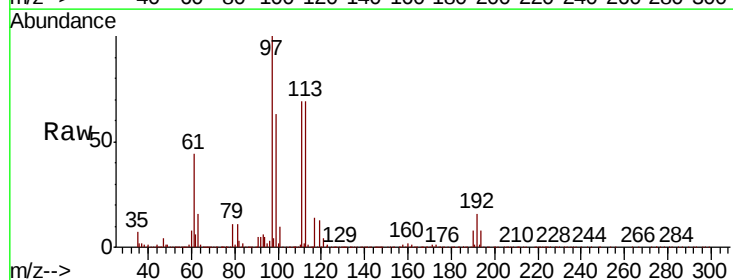
Instrument :  
MSVOA\_X  
ClientSampleId :

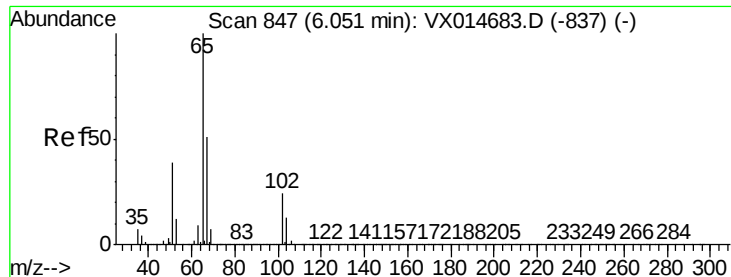
Tot Ion: 56 Resp: 369705  
Ion Ratio Lower Upper  
56 100  
69 30.2 23.4 35.2  
84 86.0 68.4 102.6



#32  
1,1,1-Trichloroethane  
Concen: 49.059 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

Tgt Ion: 97 Resp: 338465  
Ion Ratio Lower Upper  
97 100  
99 64.8 52.3 78.5  
61 44.9 37.2 55.8





#33

1,2-Dichloroethane-d4

Concen: 51.023 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

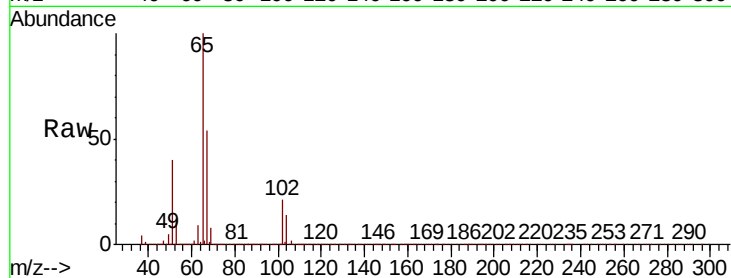
ClientSampleId :

Tot Ion: 65 Resp: 254283

Ion Ratio Lower Upper

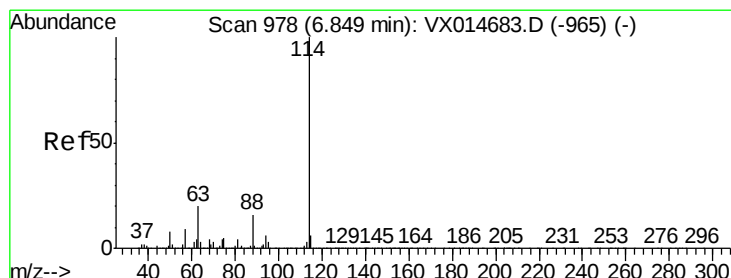
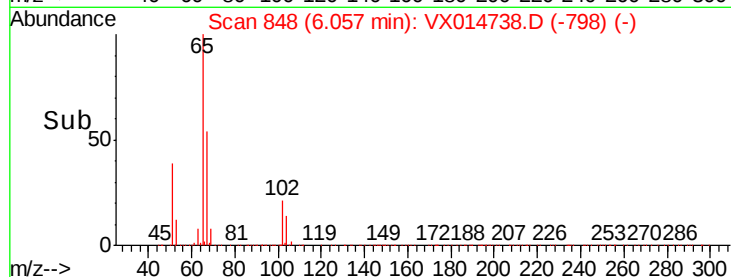
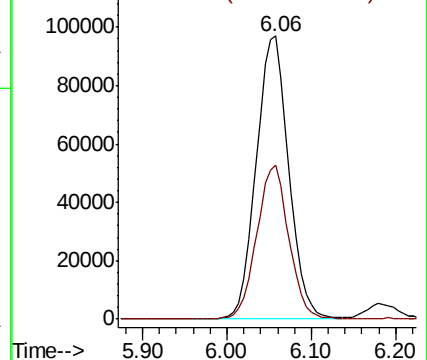
65 100

67 53.5 0.0 107.4



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# 978

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

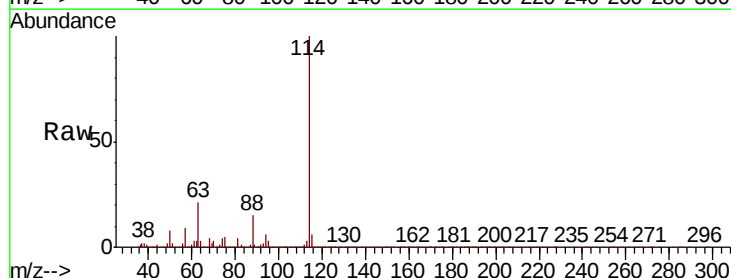
Tgt Ion: 114 Resp: 658620

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.6

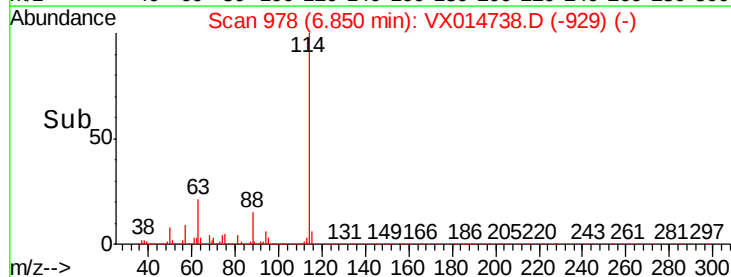
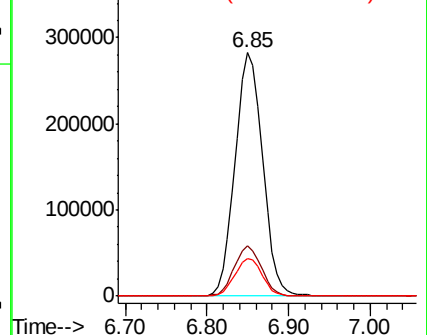
88 15.2 0.0 31.2

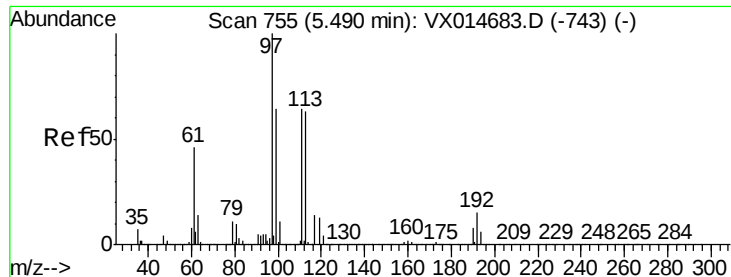


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

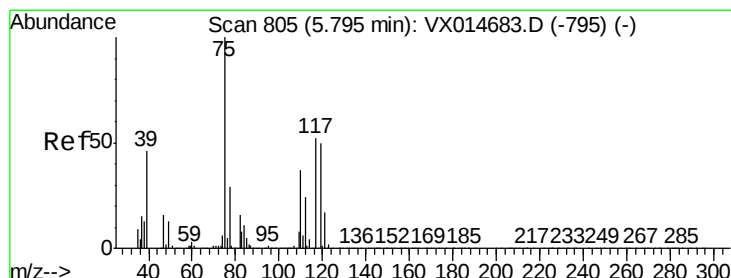
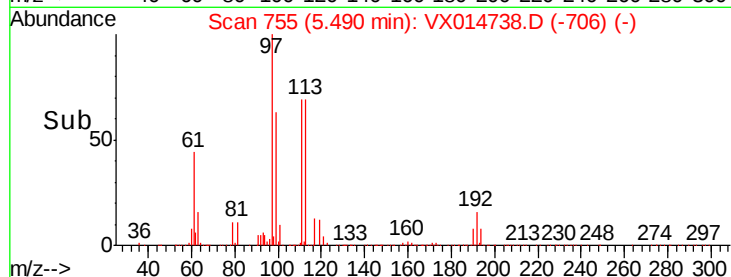
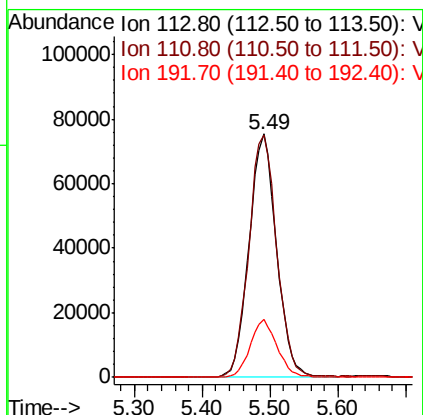
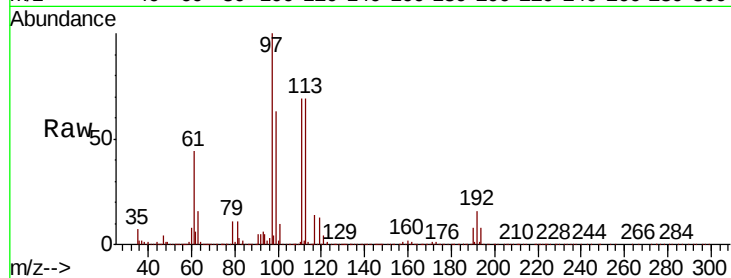




#35  
Dibromofluoromethane  
Concen: 51.215 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

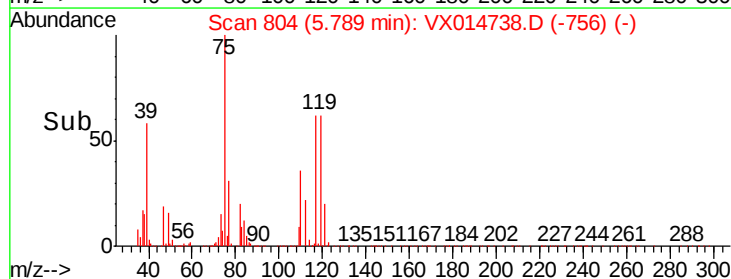
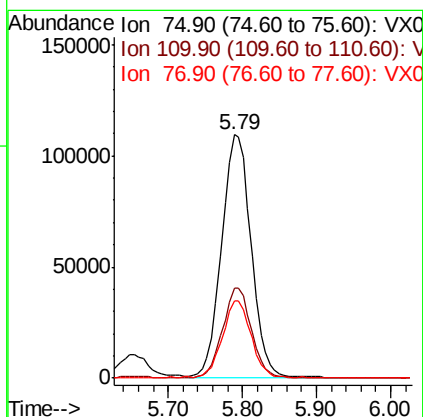
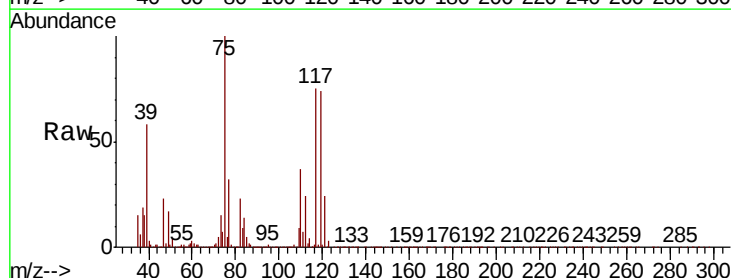
Instrument :  
MSVOA\_X  
ClientSampleId :

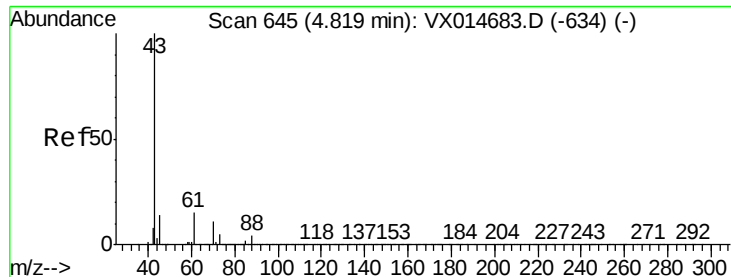
Tot Ion:113 Resp: 212840  
Ion Ratio Lower Upper  
113 100  
111 100.9 80.7 121.1  
192 23.3 18.5 27.7



#36  
1,1-Dichloropropene  
Concen: 49.278 ug/l  
RT: 5.79 min Scan# 804  
Delta R.T. -0.01 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

Tgt Ion: 75 Resp: 301574  
Ion Ratio Lower Upper  
75 100  
110 36.2 17.9 53.7  
77 30.6 24.1 36.1

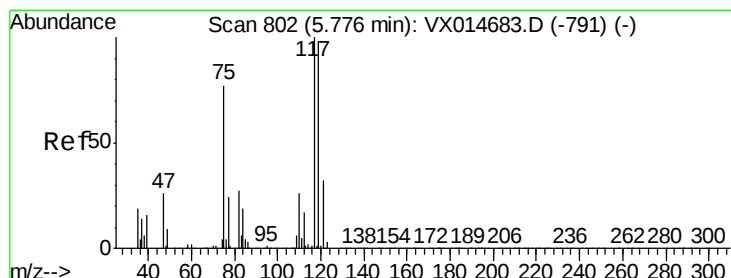
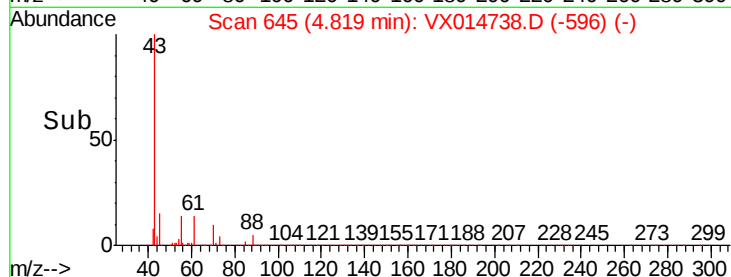
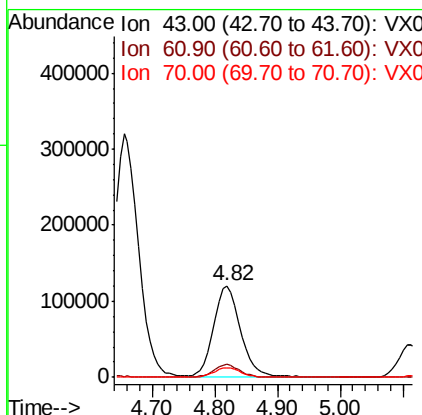
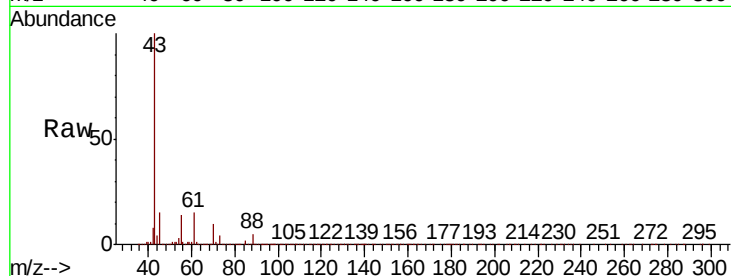




#37  
Ethyl Acetate  
Concen: 50.955 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

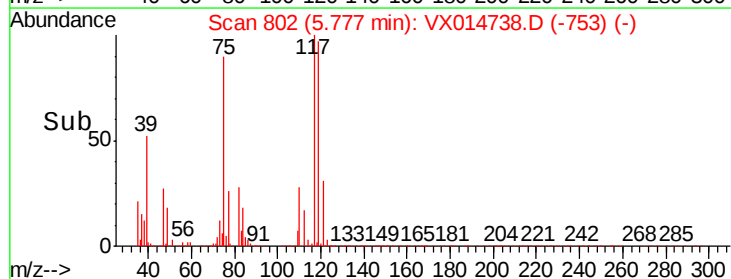
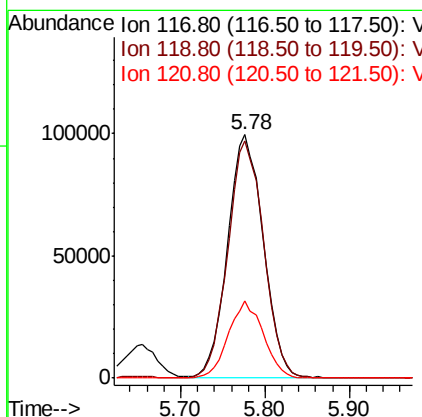
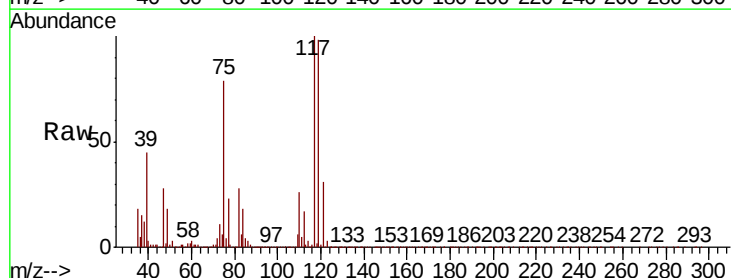
Instrument :  
MSVOA\_X  
ClientSampleId :

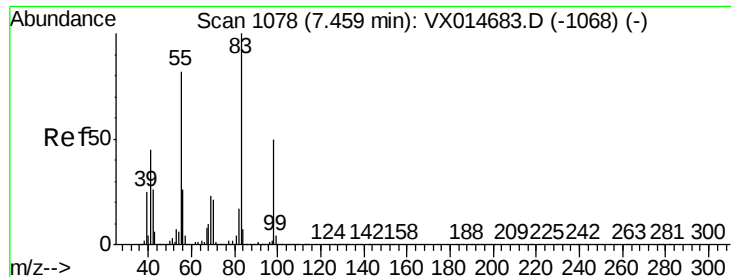
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.2  | 11.0  | 16.4  |
| 70      | 11.0  | 8.5   | 12.7  |



#38  
Carbon Tetrachloride  
Concen: 48.875 ug/l  
RT: 5.78 min Scan# 802  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.5  | 77.9  | 116.9 |
| 121     | 31.4  | 25.4  | 38.2  |

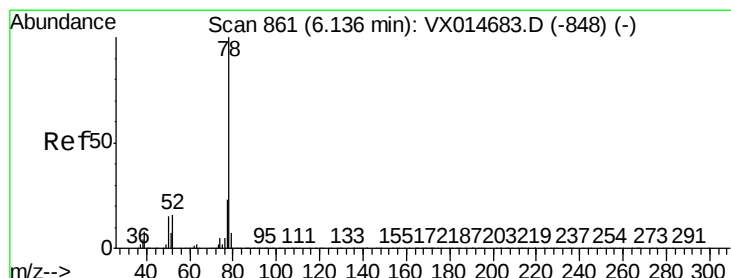
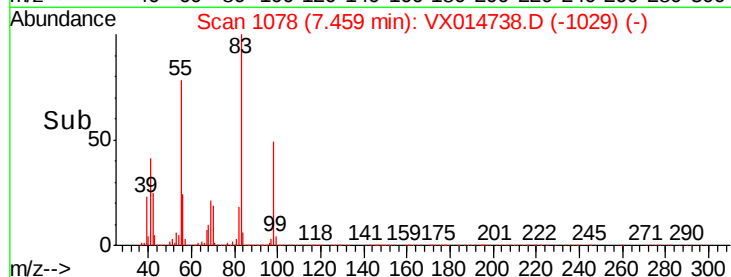
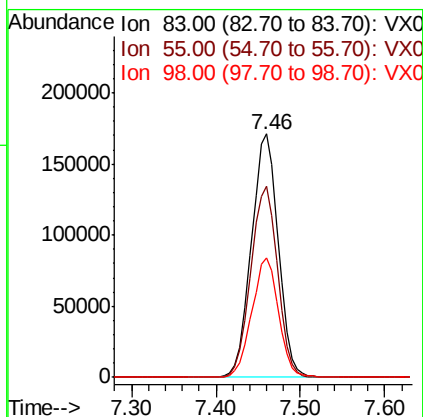
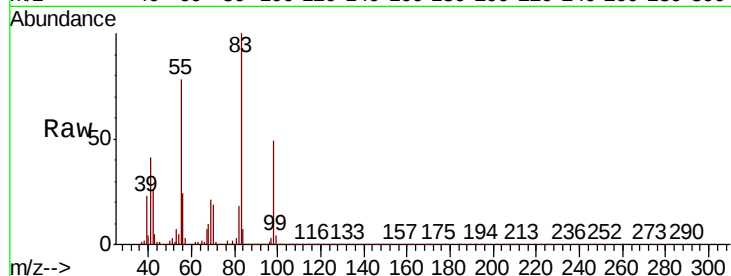




#39  
Methvlcvclohexane  
Concen: 48.136 ug/l  
RT: 7.46 min Scan# 1078  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

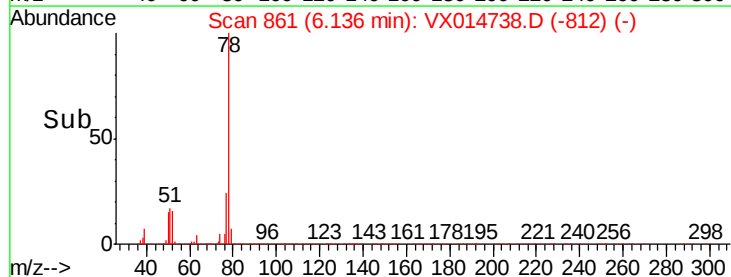
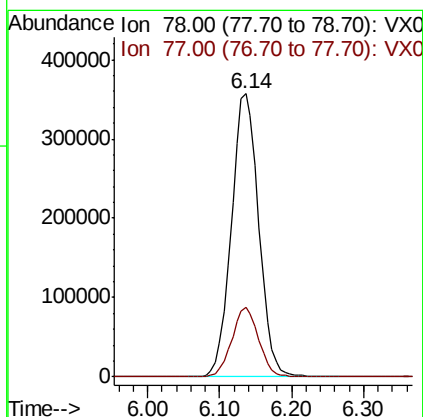
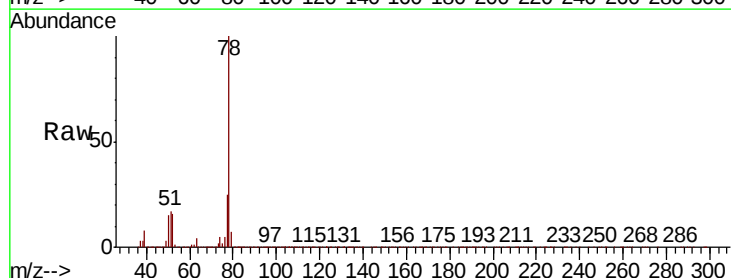
Instrument :  
MSVOA\_X  
ClientSampleId :

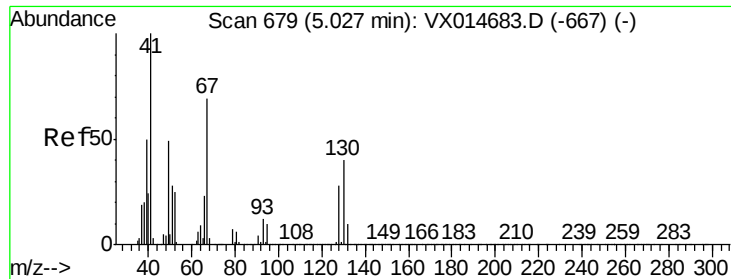
| Tot Ion   | 83.00 | Resp  | 369048 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 78.3  | 65.6  | 98.4   |
| 98        | 48.9  | 40.2  | 60.4   |



#40  
Benzene  
Concen: 49.815 ug/l  
RT: 6.14 min Scan# 861  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

| Tgt Ion   | 78.00 | Resp  | 941953 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 24.7  | 18.7  | 28.1   |

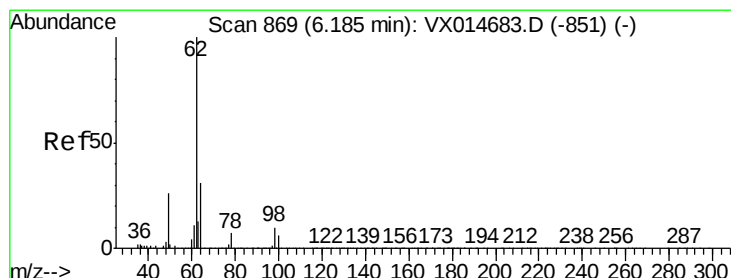
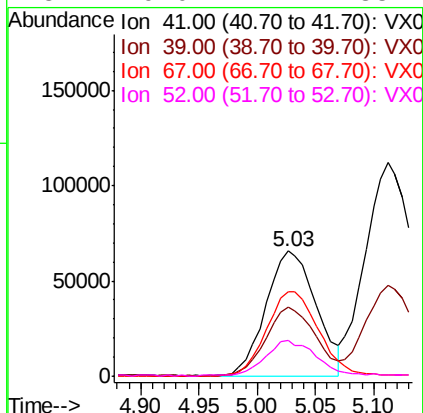
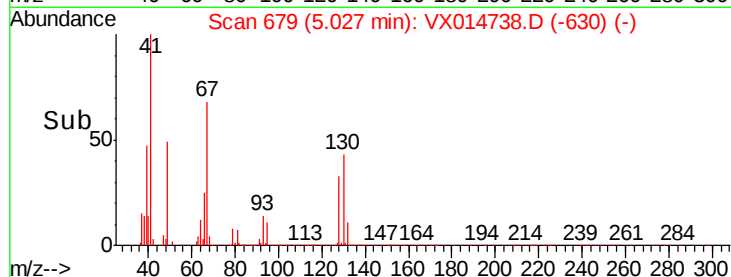
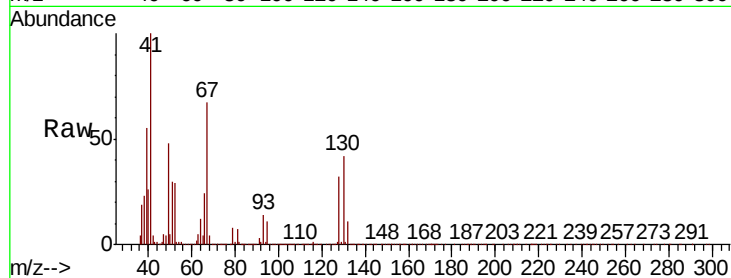




#41  
Methacrylonitrile  
Concen: 48.888 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

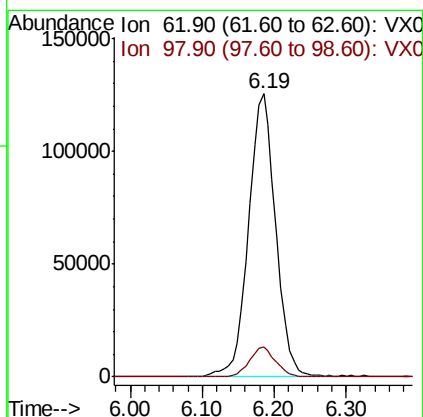
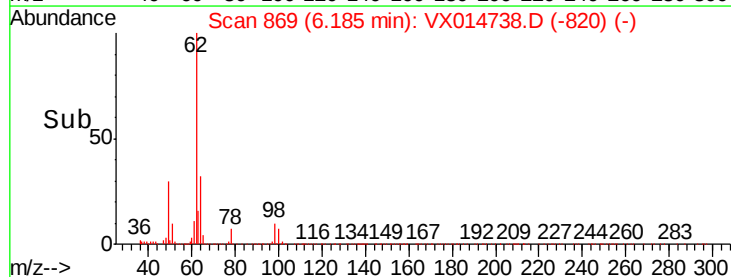
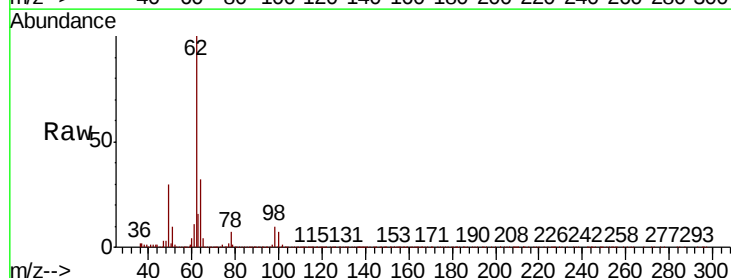
Instrument :  
MSVOA\_X  
ClientSampleId :

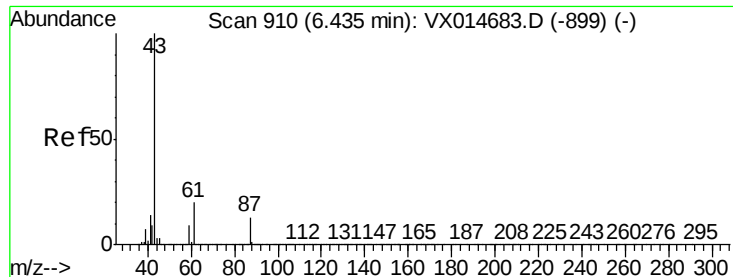
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 195518 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 54.1  | 42.2  | 63.2   |
| 67       | 70.4  | 55.4  | 83.0   |
| 52       | 29.0  | 22.1  | 33.1   |



#42  
1,2-Dichloroethane  
Concen: 49.898 ug/l  
RT: 6.19 min Scan# 869  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 325821 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.0  | 0.0   | 20.0   |





#43

Isopropyl Acetate

Concen: 50.020 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

ClientSampleId :

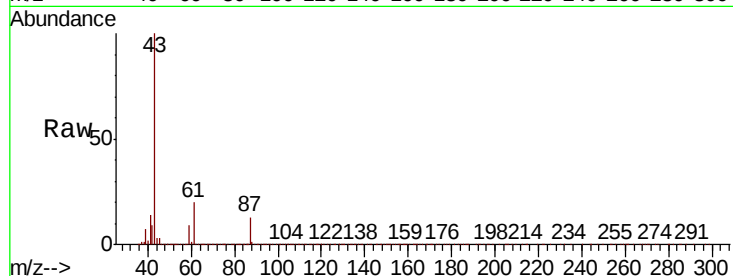
Tot Ion: 43 Resp: 574137

Ion Ratio Lower Upper

43 100

61 20.1 16.2 24.4

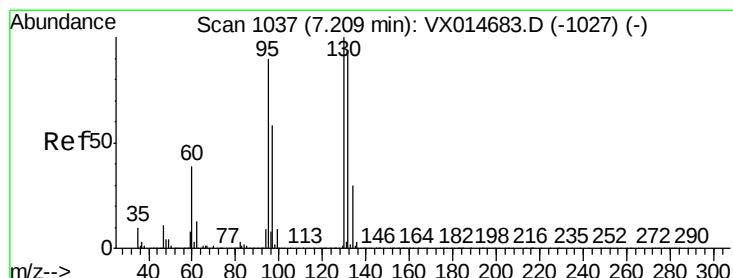
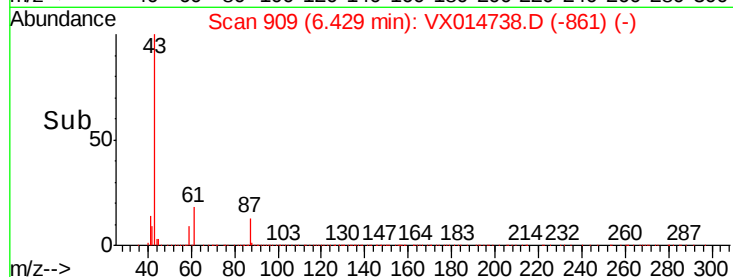
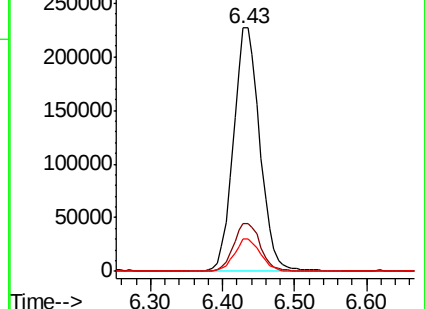
87 13.2 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 48.231 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014738.D

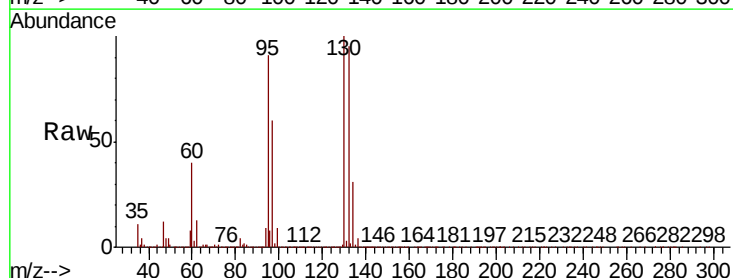
Acq: 27 Jan 2020 19:47

Tgt Ion: 130 Resp: 257611

Ion Ratio Lower Upper

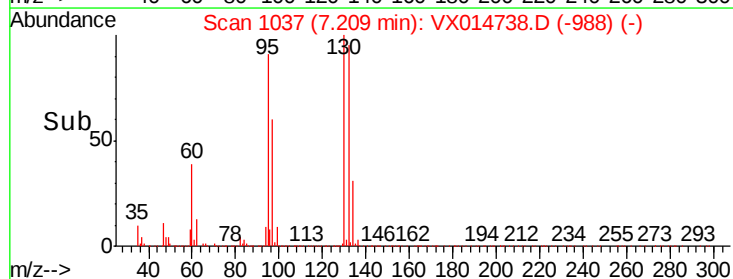
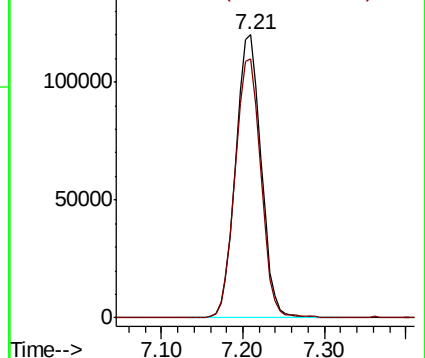
130 100

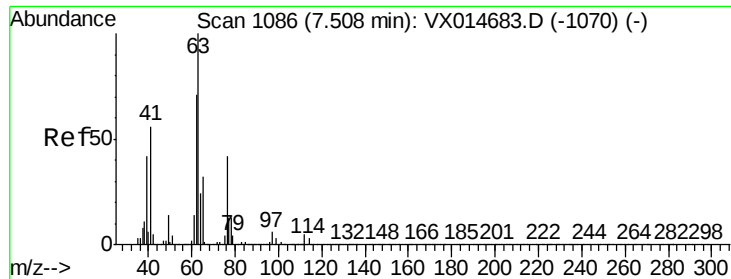
95 91.4 0.0 179.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

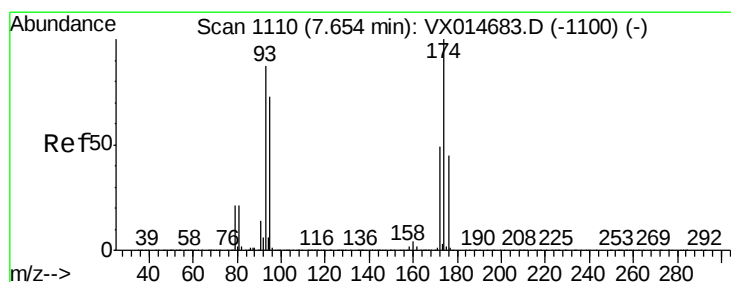
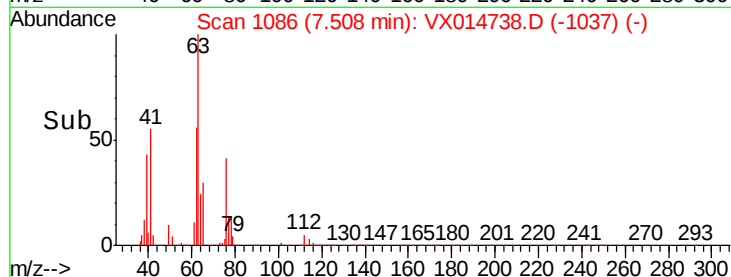
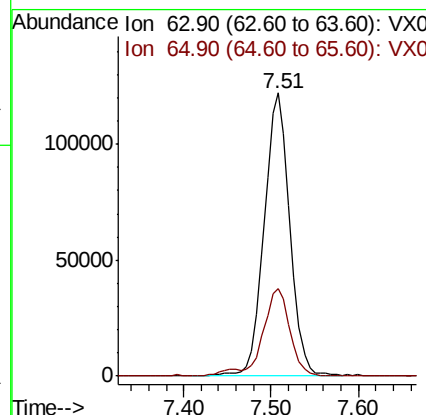
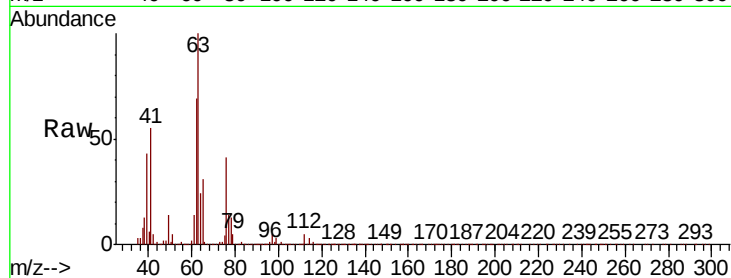




#45  
 1,2-Dichloropropane  
 Concen: 50.972 ug/l  
 RT: 7.51 min Scan# 1086  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

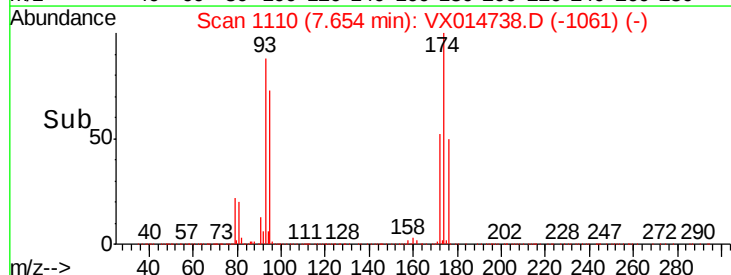
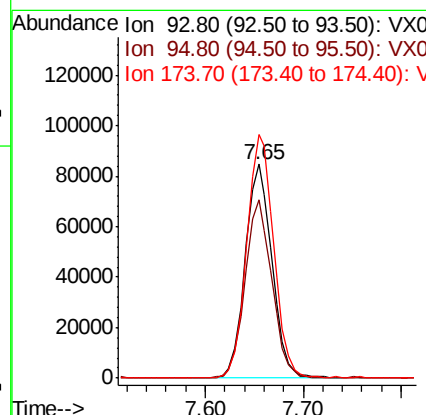
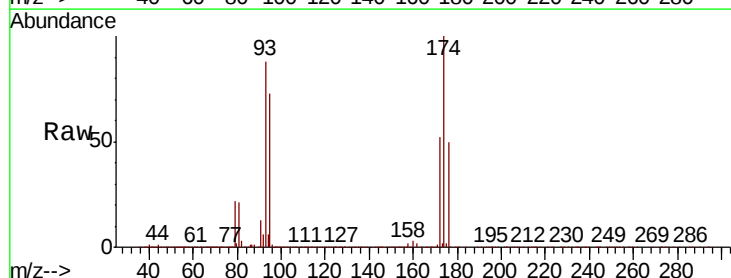
Instrument :  
 MSVOA\_X  
 ClientSampled :

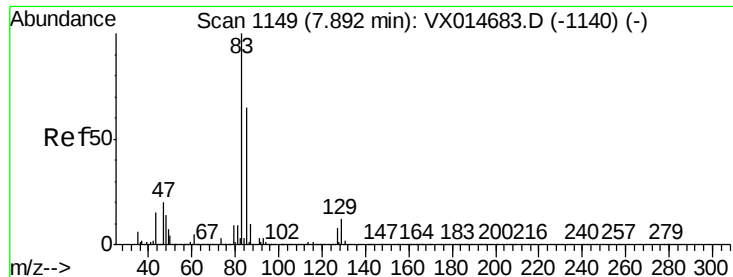
Tot Ion: 63 Resp: 248305  
 Ion Ratio Lower Upper  
 63 100  
 65 30.9 25.2 37.8



#46  
 Dibromomethane  
 Concen: 50.622 ug/l  
 RT: 7.65 min Scan# 1110  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

Tgt Ion: 93 Resp: 159715  
 Ion Ratio Lower Upper  
 93 100  
 95 83.4 67.0 100.4  
 174 115.2 90.2 135.2





#47

Bromodichloromethane

Concen: 51.224 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

ClientSampleId :

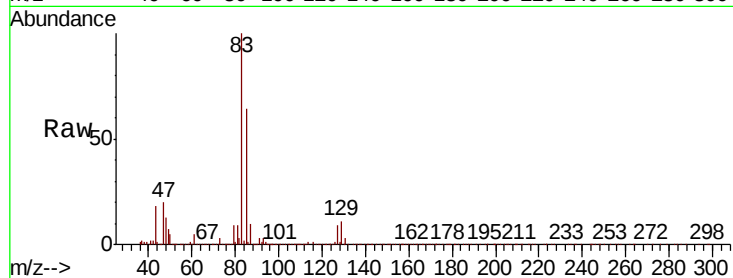
Tot Ion: 83 Resp: 316976

Ion Ratio Lower Upper

83 100

85 63.8 52.2 78.2

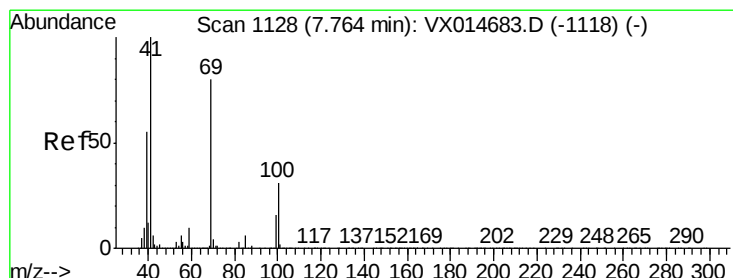
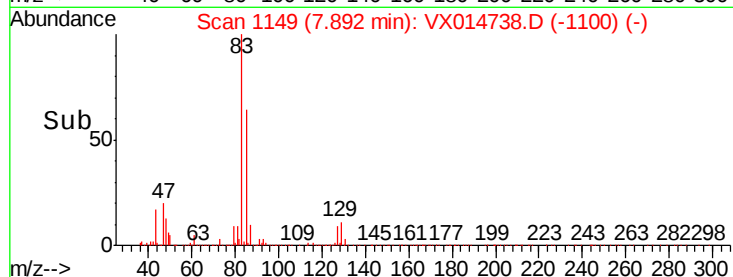
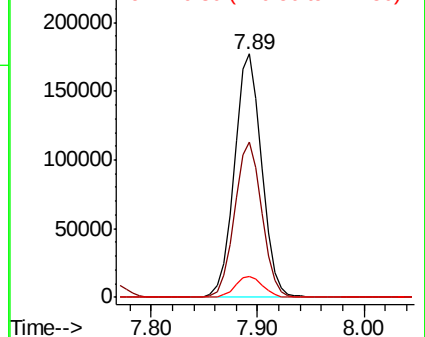
127 8.7 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.812 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

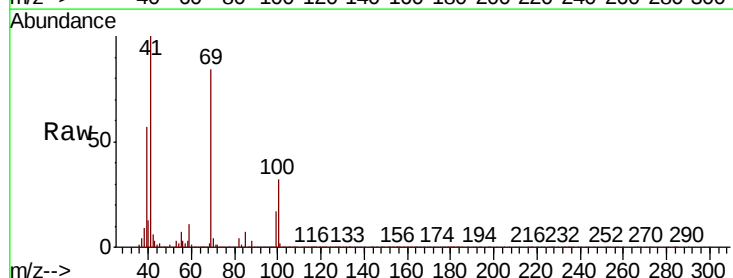
Tgt Ion: 41 Resp: 284147

Ion Ratio Lower Upper

41 100

69 81.3 63.5 95.3

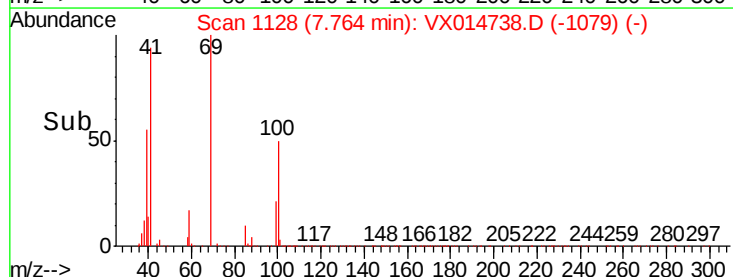
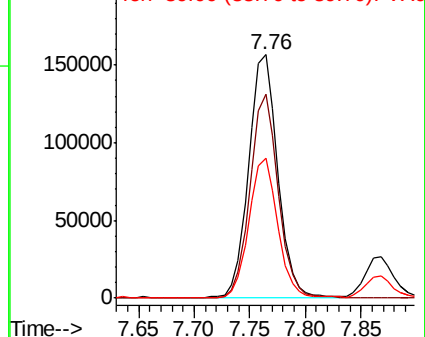
39 56.8 43.7 65.5

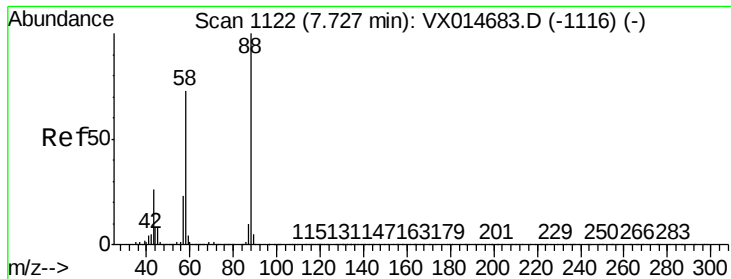


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

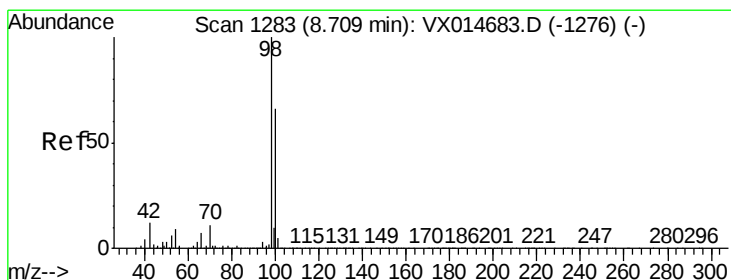
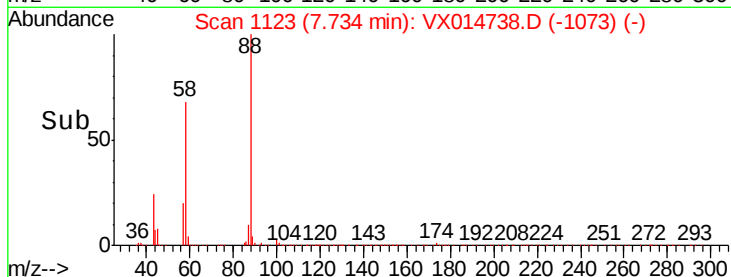
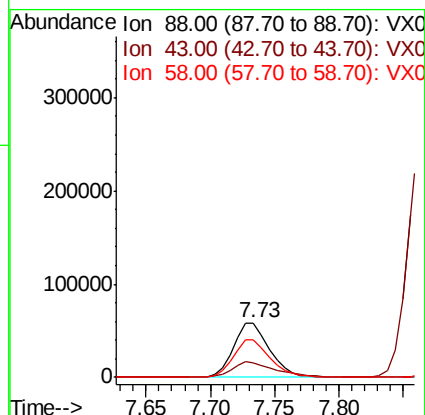
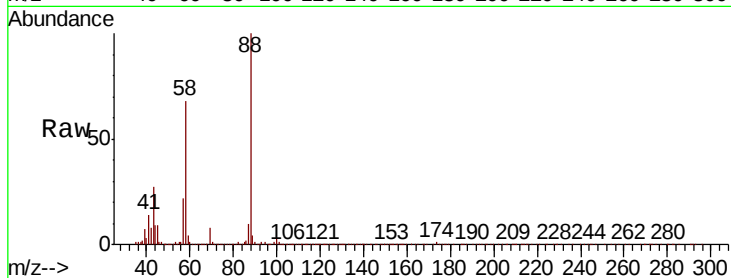




#49  
1,4-Dioxane  
Concen: 969.218 ug/l  
RT: 7.73 min Scan# 1123  
Delta R.T. 0.01 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

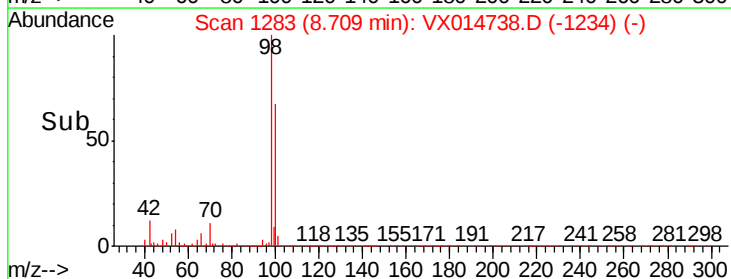
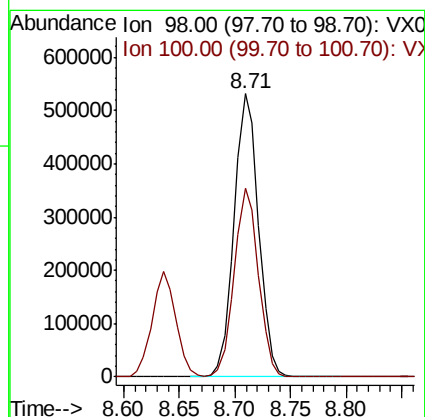
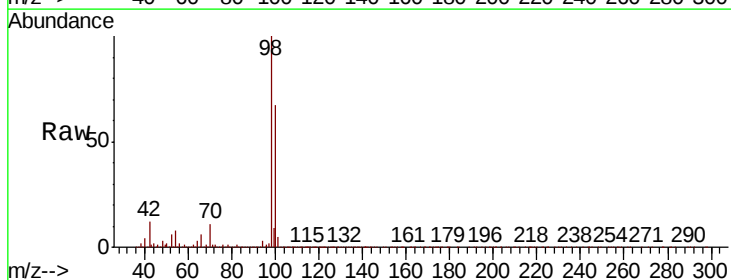
Instrument :  
MSVOA\_X  
ClientSampleId :

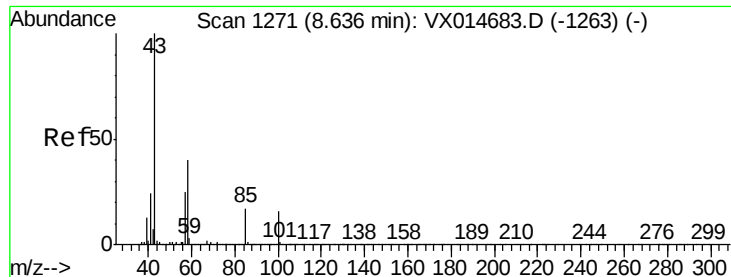
Tot Ion: 88 Resp: 112673  
Ion Ratio Lower Upper  
88 100  
43 33.4 26.2 39.2  
58 70.8 56.6 85.0



#50  
Toluene-d8  
Concen: 50.485 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

Tgt Ion: 98 Resp: 806580  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 253.888 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

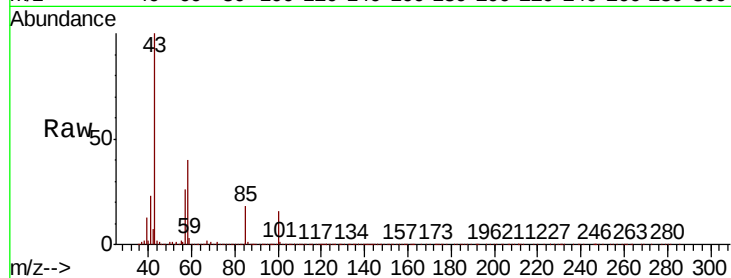
ClientSampled :

Tot Ion: 43 Resp: 1839265

Ion Ratio Lower Upper

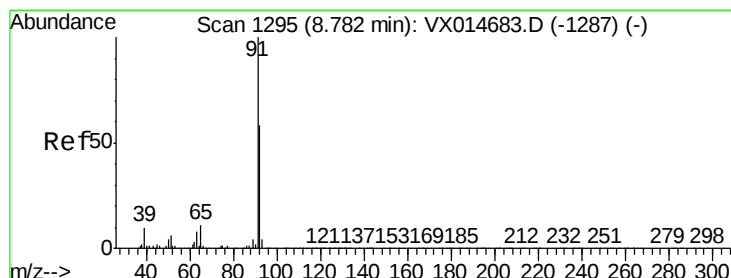
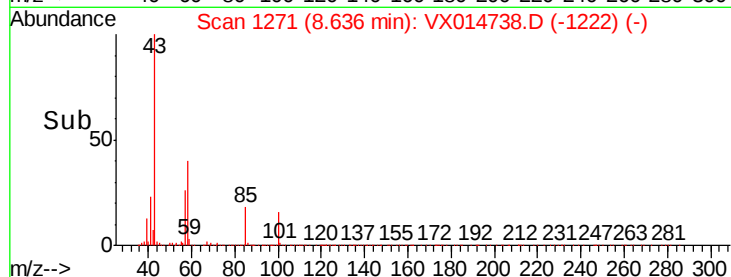
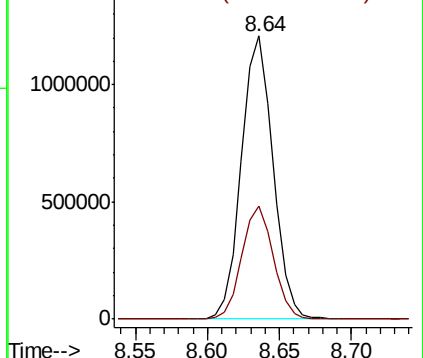
43 100

58 39.7 31.6 47.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.753 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014738.D

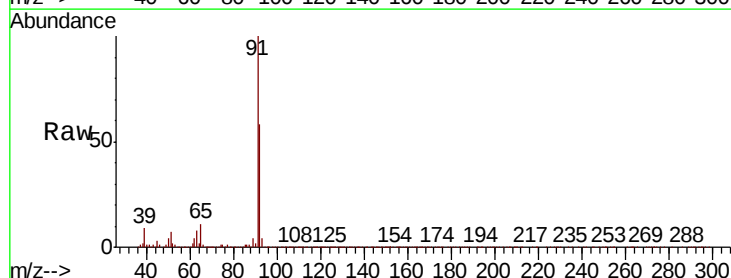
Acq: 27 Jan 2020 19:47

Tgt Ion: 92 Resp: 589936

Ion Ratio Lower Upper

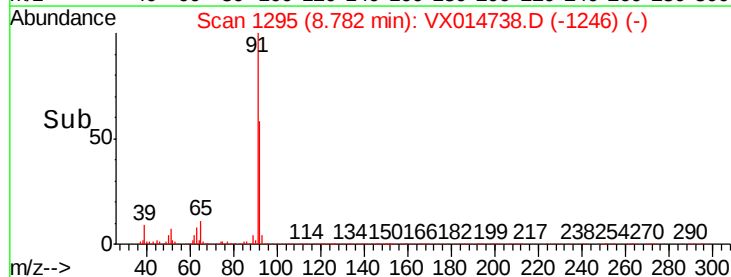
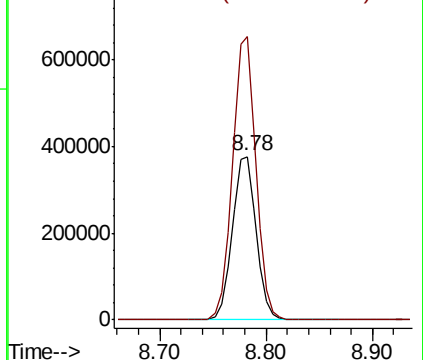
92 100

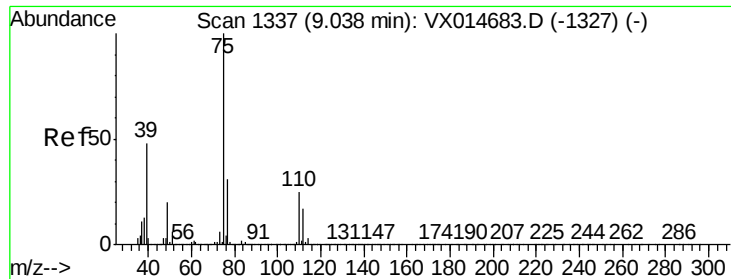
91 171.0 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

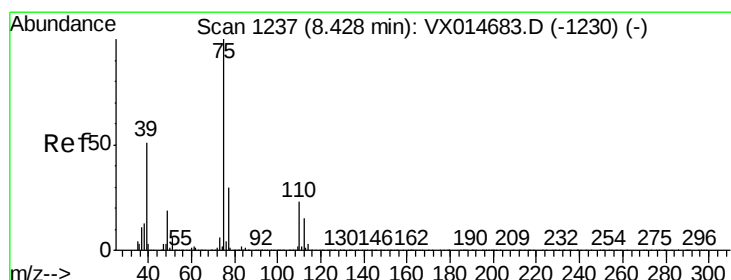
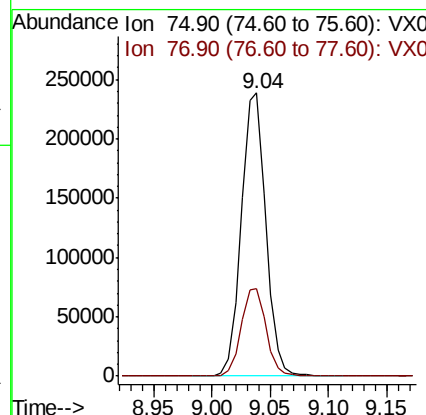
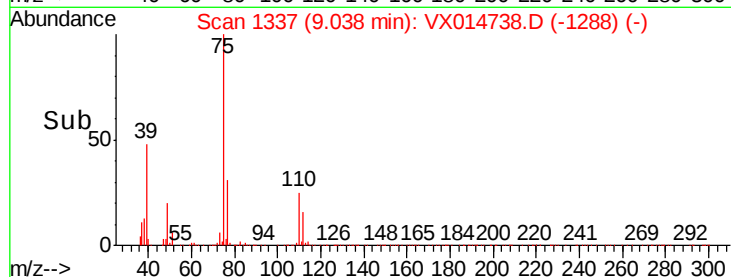
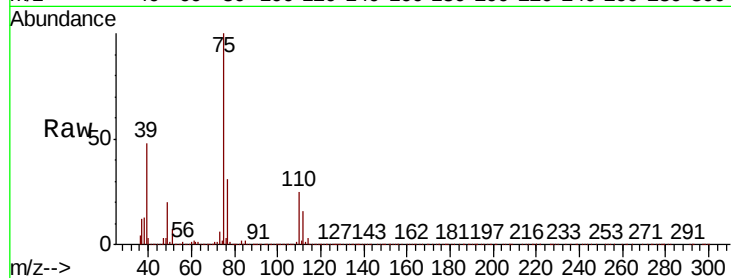




#53  
 t-1,3-Dichloropropene  
 Concen: 52.560 ug/l  
 RT: 9.04 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

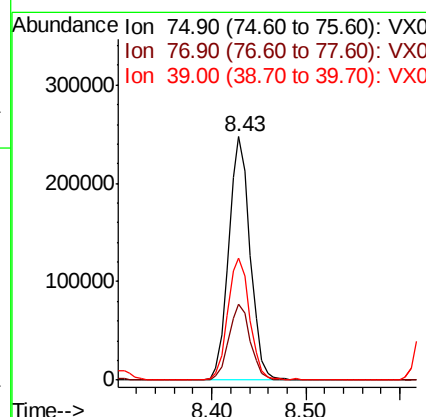
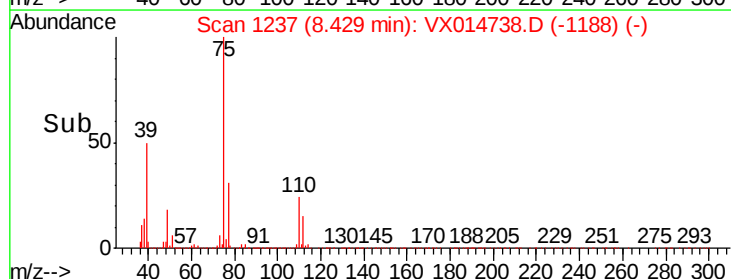
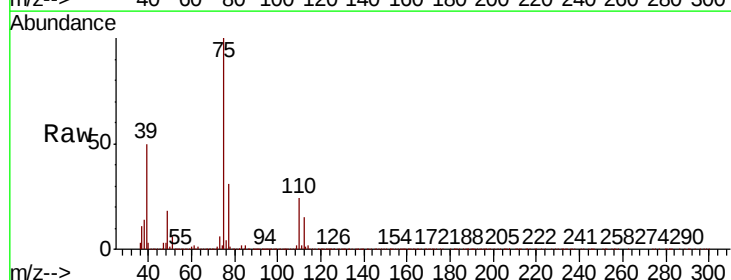
Instrument :  
 MSVOA\_X  
 ClientSampleId :

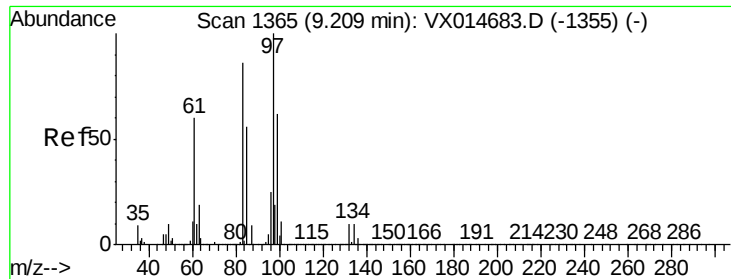
Tot Ion: 75 Resp: 350210  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 24.9 37.3



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.121 ug/l  
 RT: 8.43 min Scan# 1237  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

Tgt Ion: 75 Resp: 389374  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 23.9 35.9  
 39 50.0 40.9 61.3

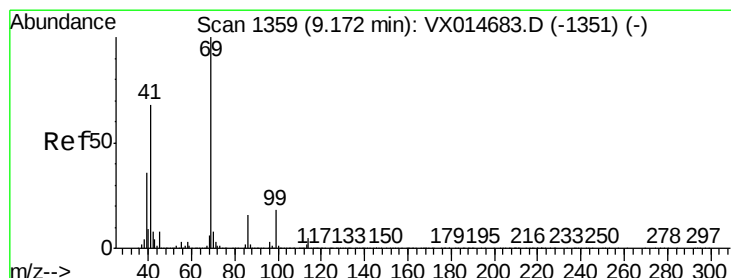
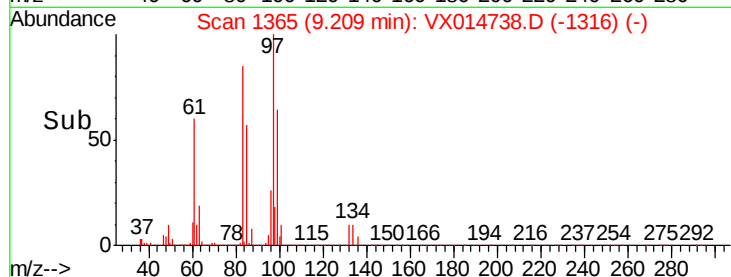
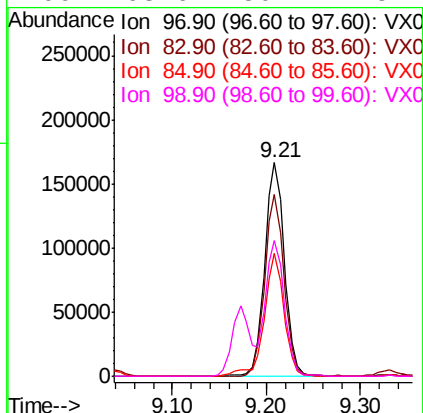
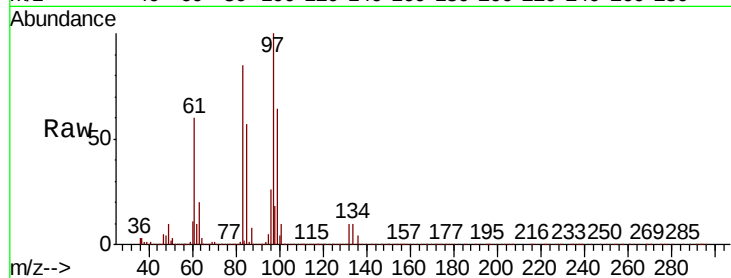




#55  
 1,1,2-Trichloroethane  
 Concen: 51.517 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

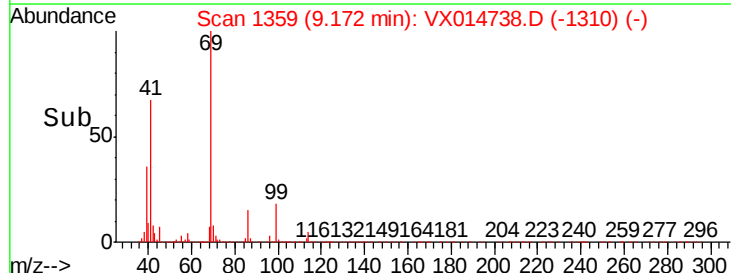
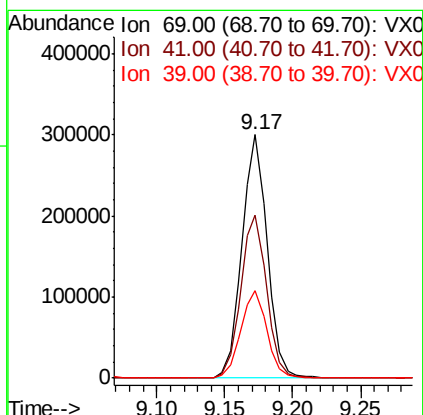
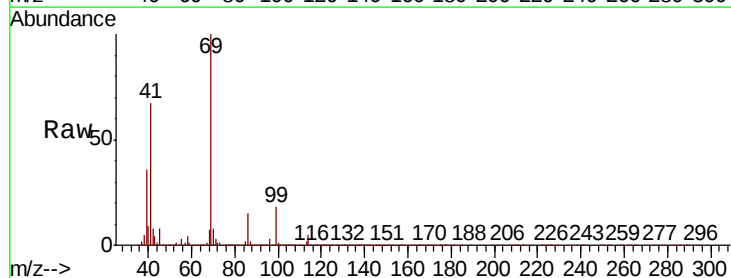
Instrument :  
 MSVOA\_X  
 ClientSampleId :

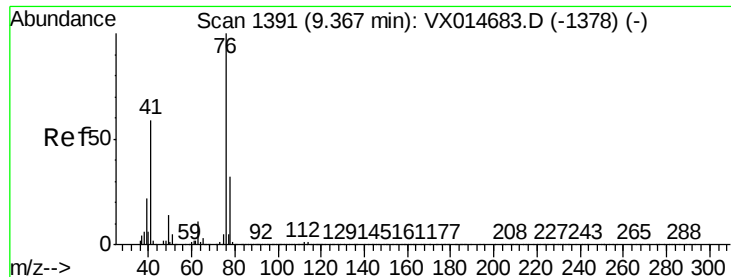
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 245167 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.6  | 69.2  | 103.8  |
| 85       | 57.3  | 44.6  | 67.0   |
| 99       | 63.6  | 50.1  | 75.1   |



#56  
 Ethyl methacrylate  
 Concen: 48.201 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 388348 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 68.7  | 54.9  | 82.3   |
| 39       | 36.7  | 29.3  | 43.9   |





#57

1,3-Dichloropropane

Concen: 51.110 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

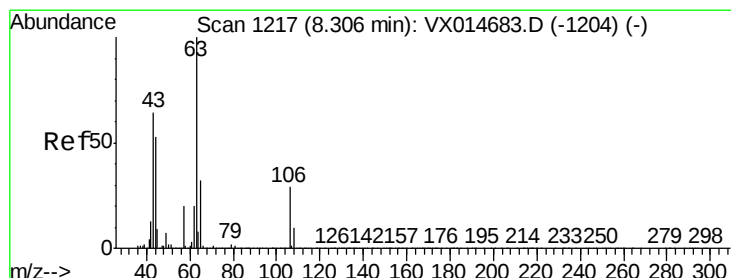
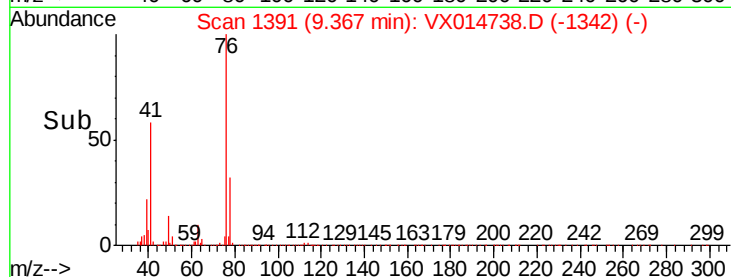
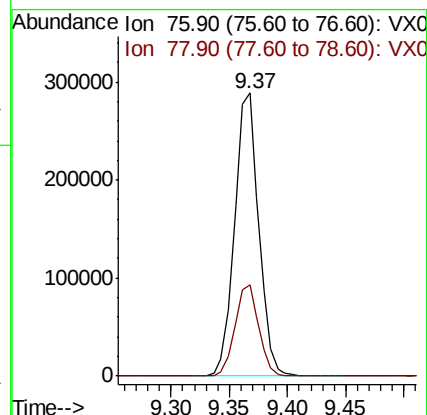
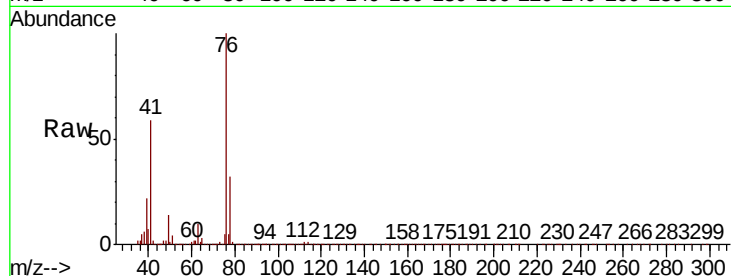
ClientSampleId :

Tot Ion: 76 Resp: 415791

Ion Ratio Lower Upper

76 100

78 31.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 270.370 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014738.D

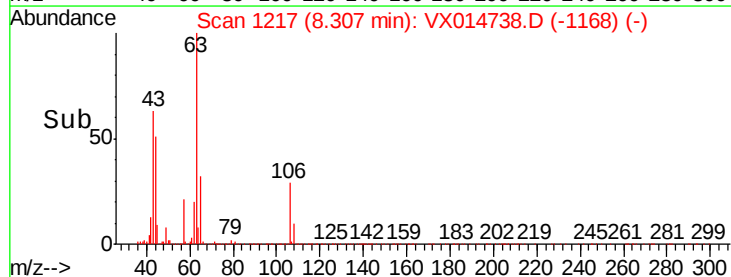
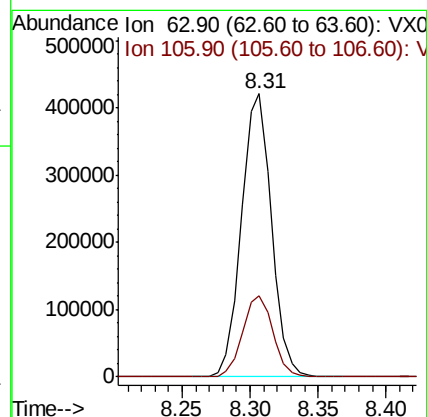
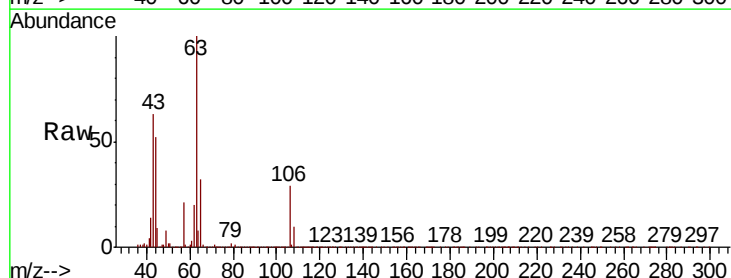
Acq: 27 Jan 2020 19:47

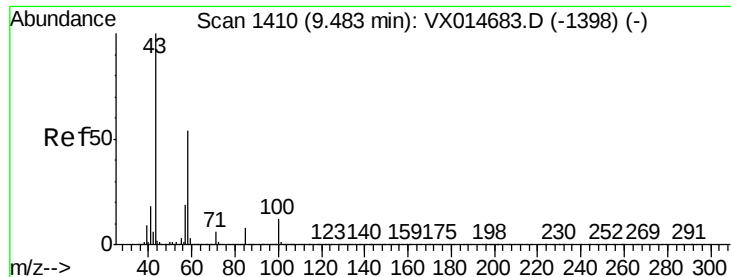
Tgt Ion: 63 Resp: 647082

Ion Ratio Lower Upper

63 100

106 29.0 22.7 34.1





#59

2-Hexanone

Concen: 247.295 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

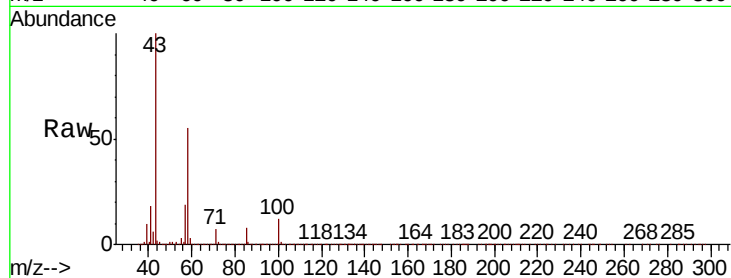
ClientSampled :

Tot Ion: 43 Resp: 1390179

Ion Ratio Lower Upper

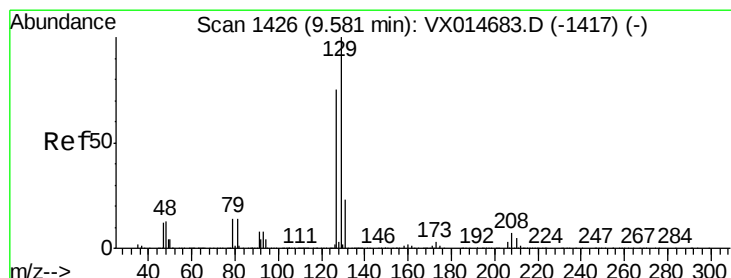
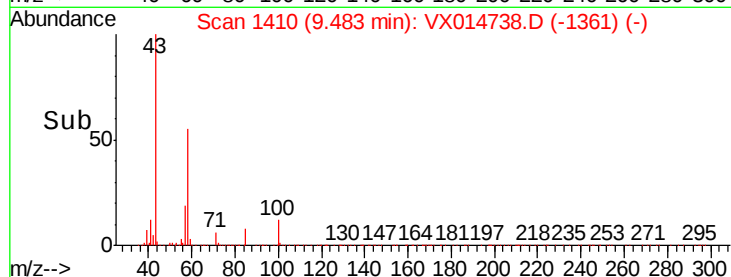
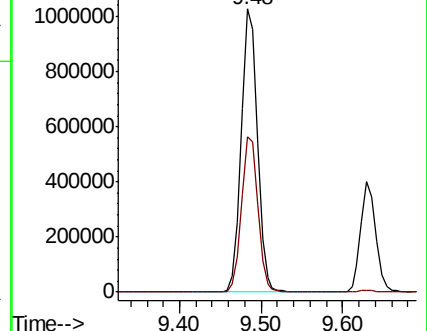
43 100

58 55.5 27.2 81.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 51.793 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX014738.D

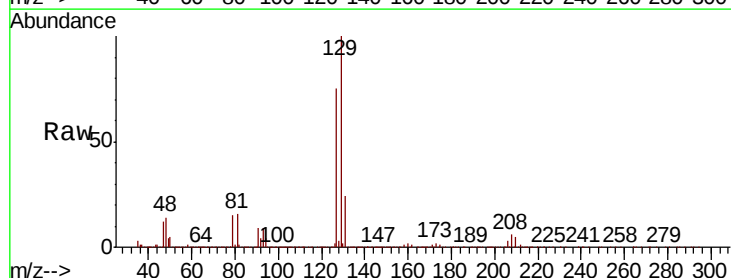
Acq: 27 Jan 2020 19:47

Tgt Ion: 129 Resp: 257273

Ion Ratio Lower Upper

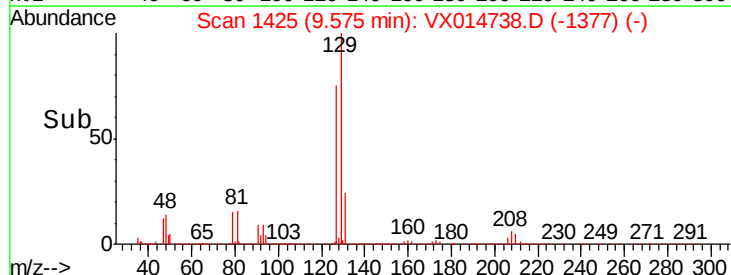
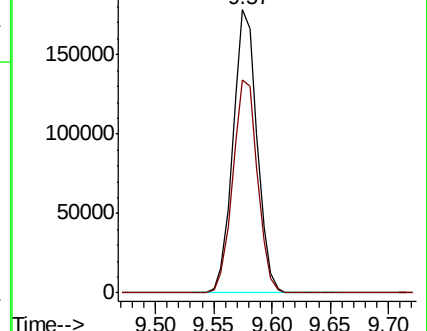
129 100

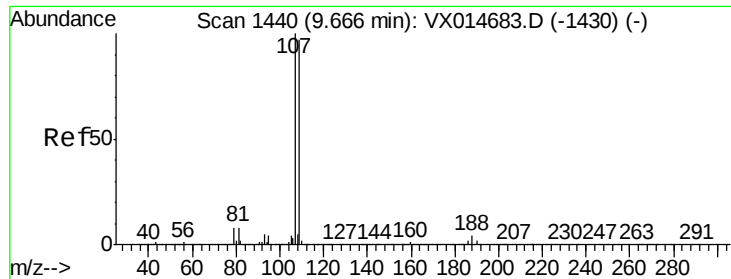
127 77.2 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 50.550 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

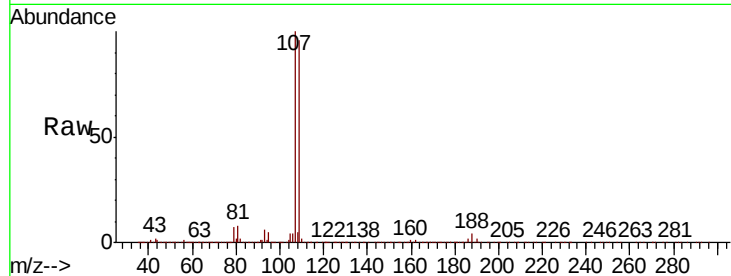
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:107 Resp: 254350

Ion Ratio Lower Upper

107 100

109 94.9 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

150000

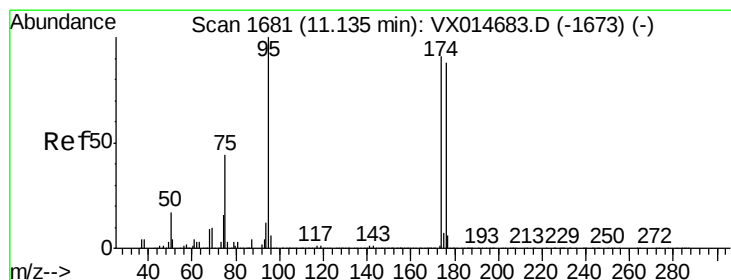
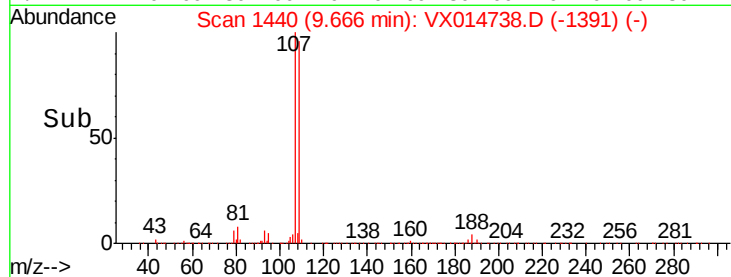
100000

50000

0

Time-->

9.60 9.70



#62

4-Bromofluorobenzene

Concen: 50.495 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

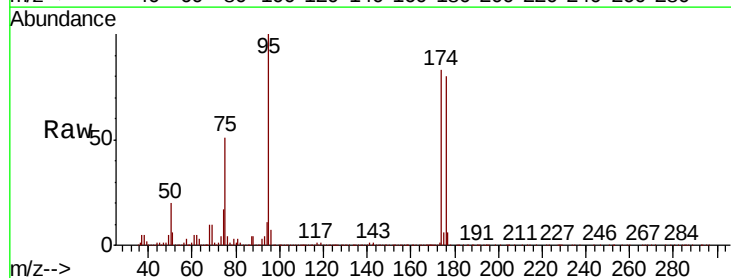
Tgt Ion: 95 Resp: 287379

Ion Ratio Lower Upper

95 100

174 89.0 0.0 176.0

176 85.7 0.0 172.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

150000

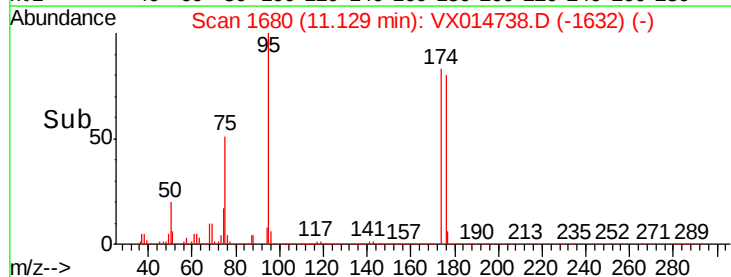
100000

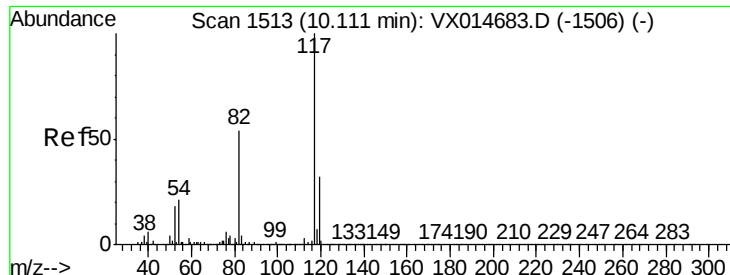
50000

0

Time-->

11.10 11.20

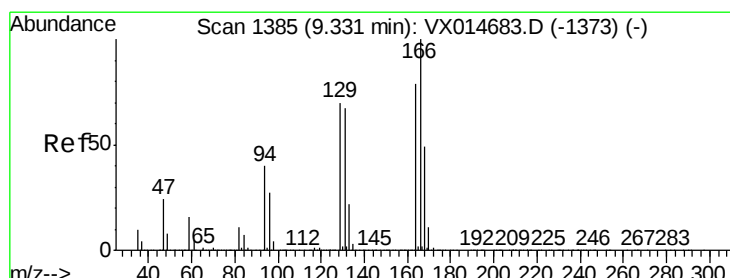
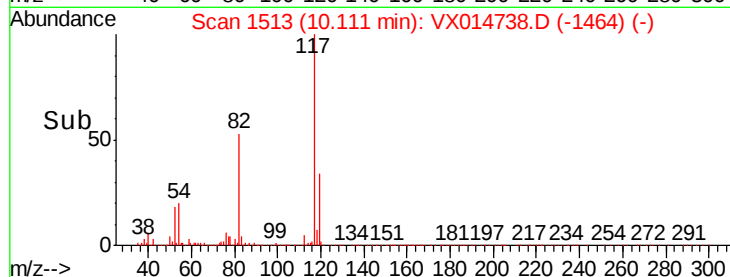
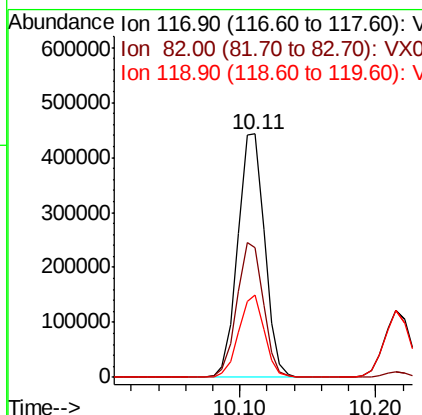
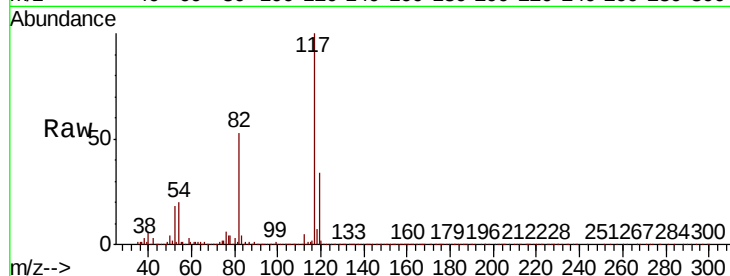




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

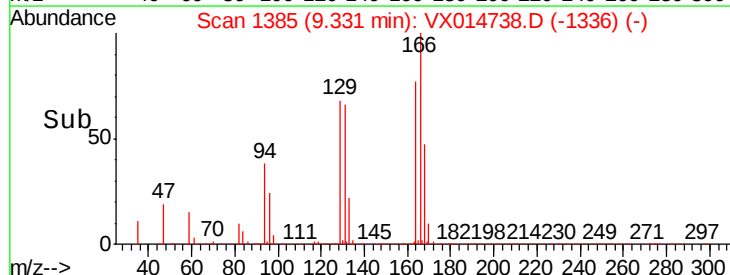
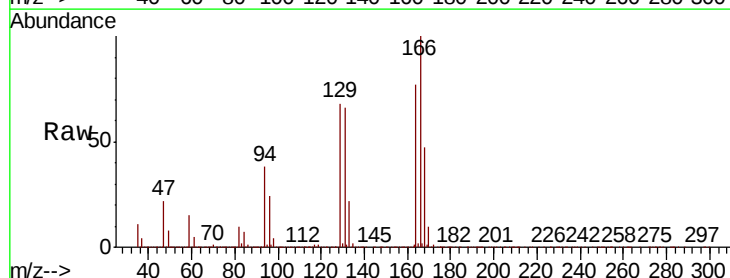
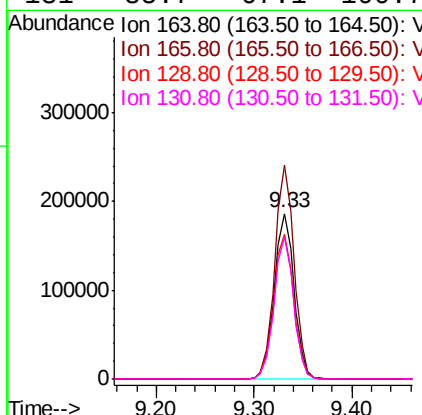
Instrument :  
MSVOA\_X  
ClientSampled :

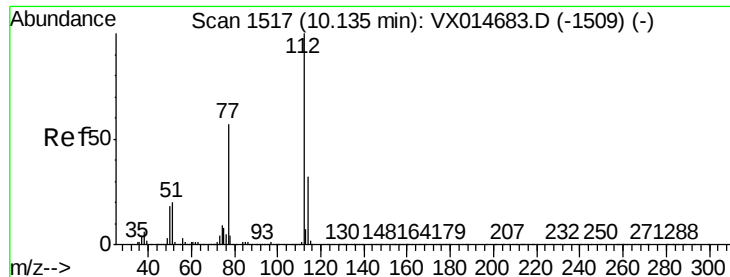
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.1  | 43.2  | 64.8  |
| 119     | 33.8  | 25.8  | 38.6  |



#64  
Tetrachloroethene  
Concen: 43.690 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.0 | 100.9 | 151.3 |
| 129     | 87.3  | 71.0  | 106.6 |
| 131     | 85.7  | 67.1  | 100.7 |





#65

Chlorobenzene

Concen: 48.990 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

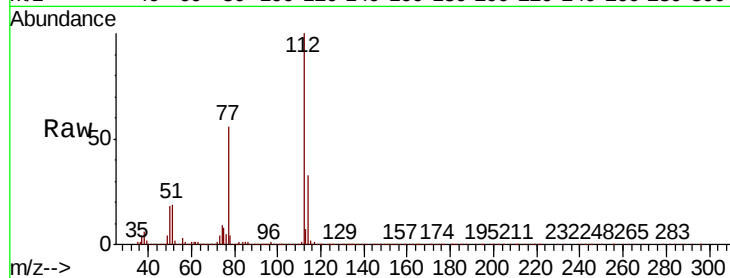
ClientSampled :

Tot Ion:112 Resp: 636907

Ion Ratio Lower Upper

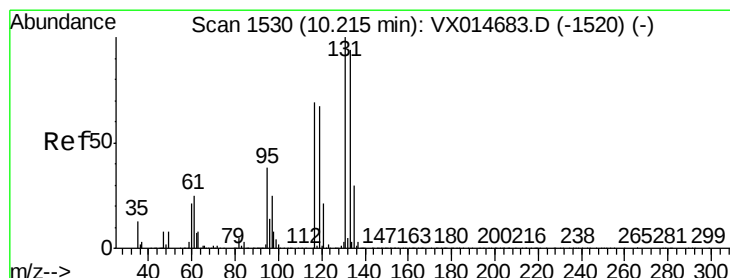
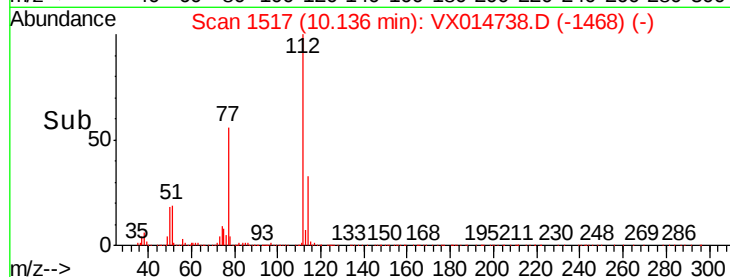
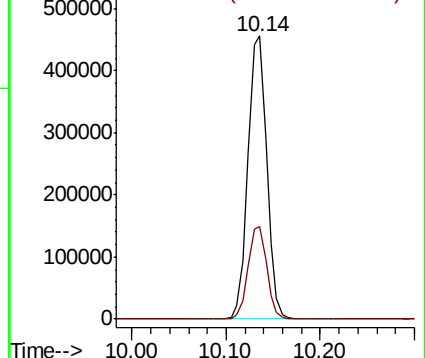
112 100

114 32.5 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.367 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

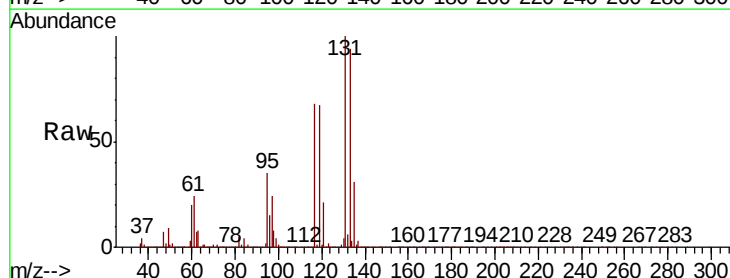
Tgt Ion:131 Resp: 236640

Ion Ratio Lower Upper

131 100

133 95.6 47.4 142.3

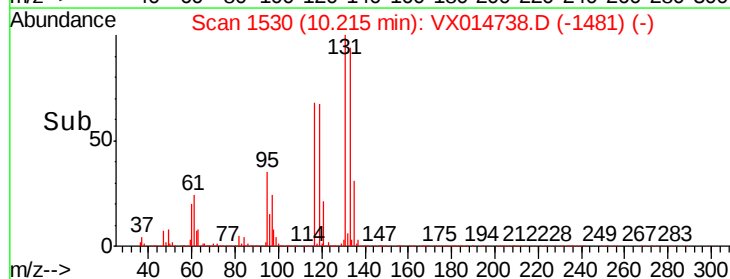
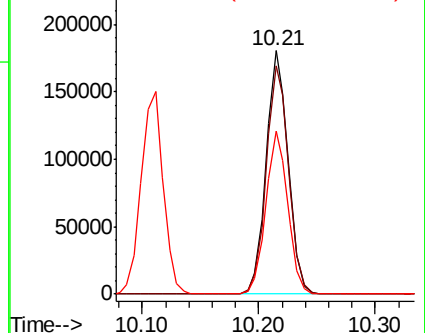
119 67.2 33.3 99.8

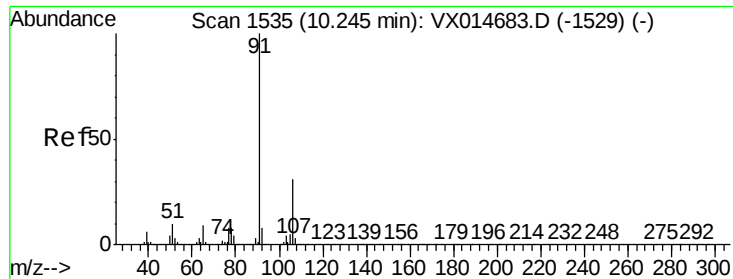


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.723 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

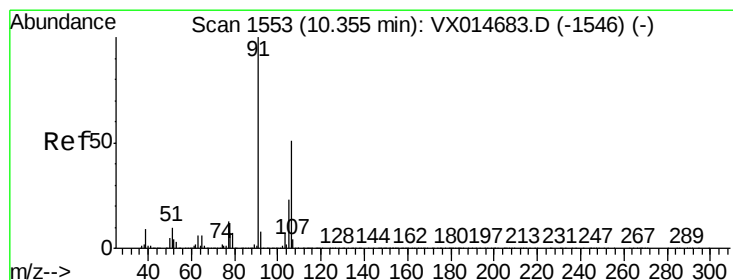
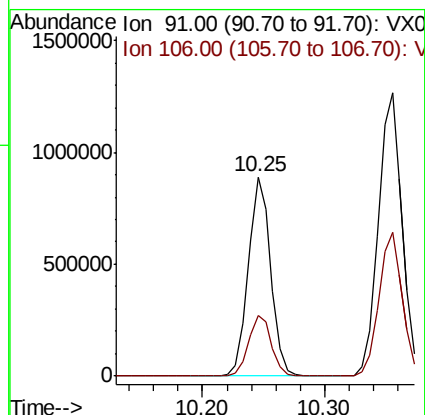
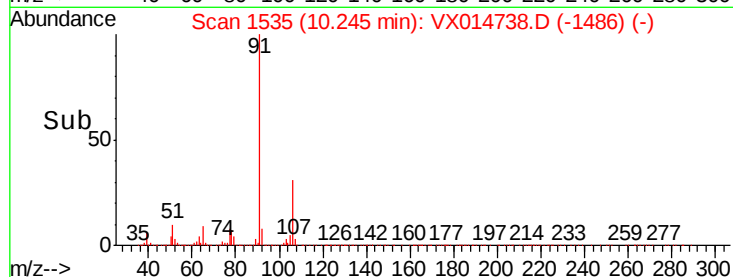
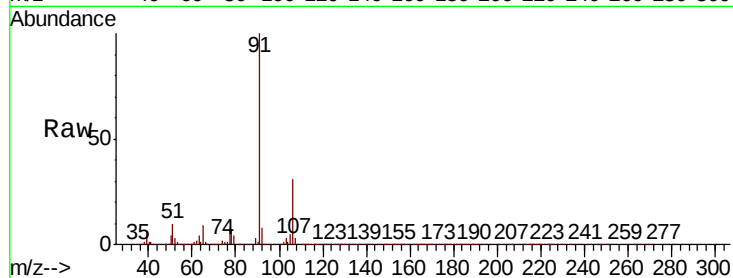
ClientSampleId :

Tot Ion: 91 Resp: 1125976

Ion Ratio Lower Upper

91 100

106 30.6 24.9 37.3



#68

m/p-Xylenes

Concen: 102.072 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014738.D

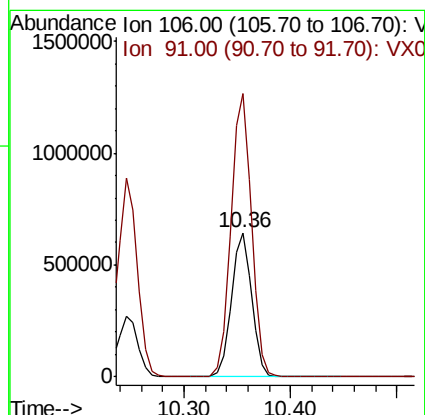
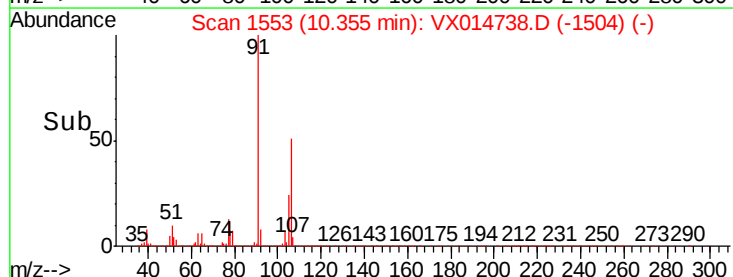
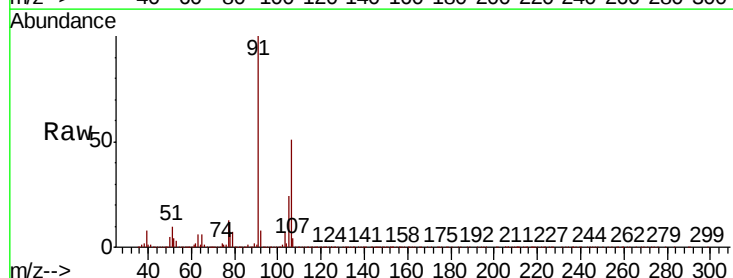
Acq: 27 Jan 2020 19:47

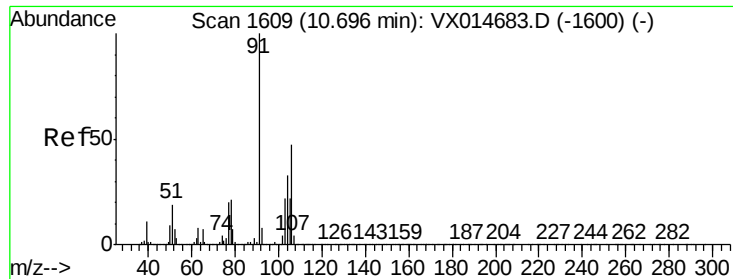
Tgt Ion: 106 Resp: 858407

Ion Ratio Lower Upper

106 100

91 198.7 159.4 239.2

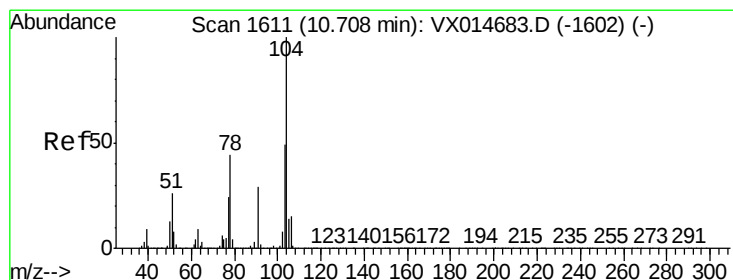
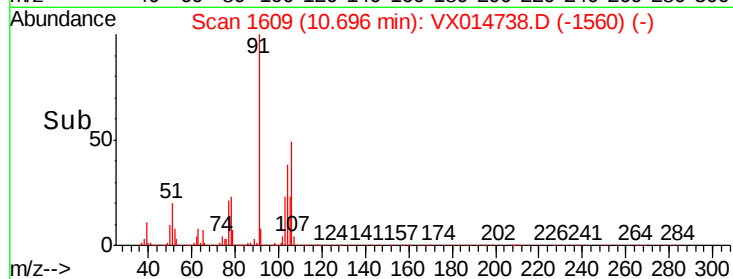
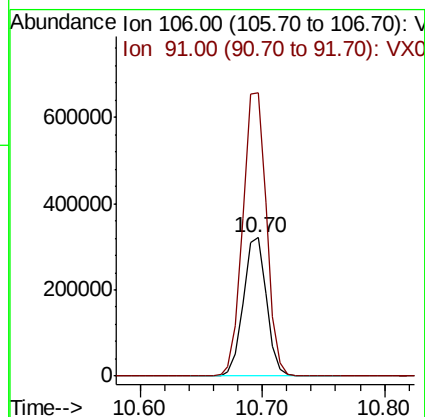
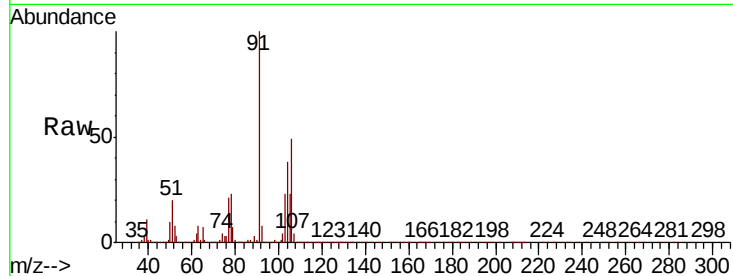




#69  
o-Xylene  
Concen: 51.490 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

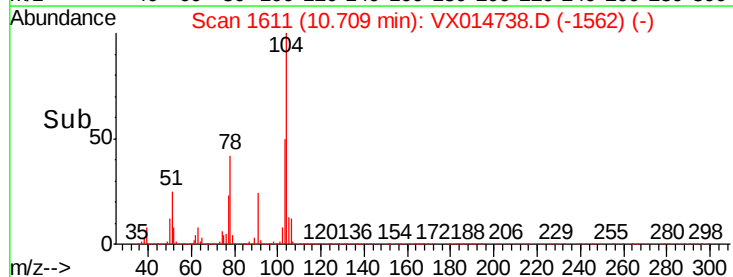
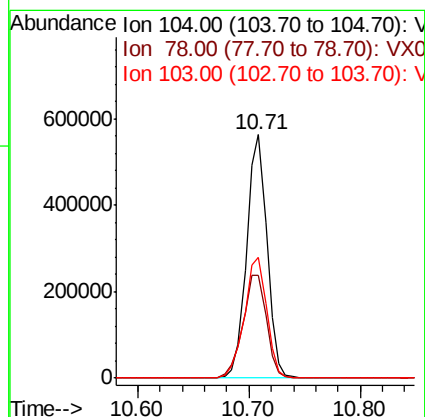
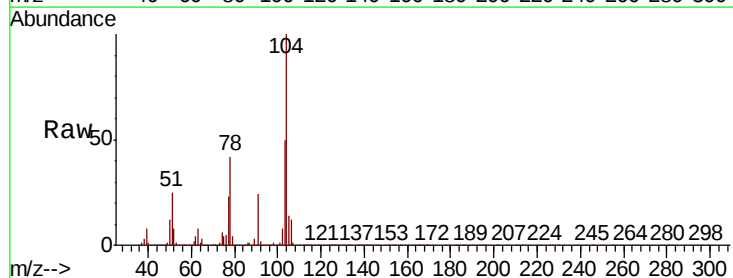
Instrument :  
MSVOA\_X  
ClientSampleId :

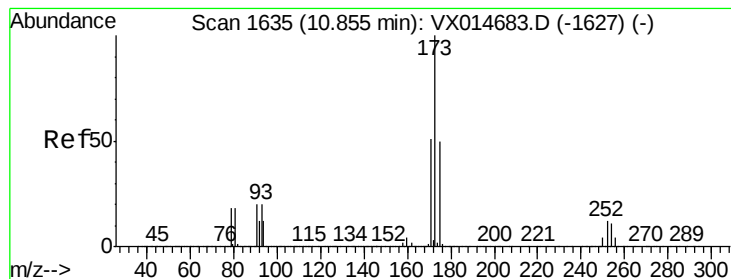
Tot Ion:106 Resp: 418041  
Ion Ratio Lower Upper  
106 100  
91 209.9 106.2 318.6



#70  
Styrene  
Concen: 52.654 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

Tgt Ion:104 Resp: 717098  
Ion Ratio Lower Upper  
104 100  
78 49.0 39.3 58.9  
103 54.5 43.5 65.3





#71

Bromoform

Concen: 52.064 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

ClientSampleId :

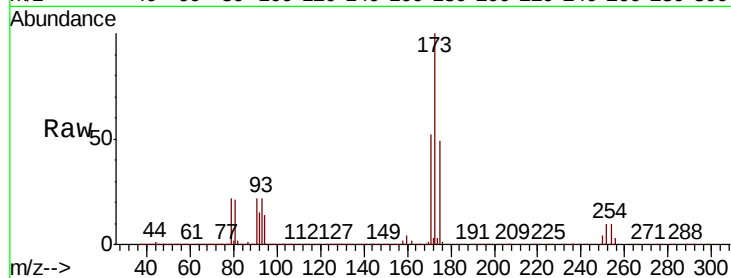
Tot Ion:173 Resp: 198465

Ion Ratio Lower Upper

173 100

175 48.5 24.6 73.6

254 0.1 0.1 0.1#

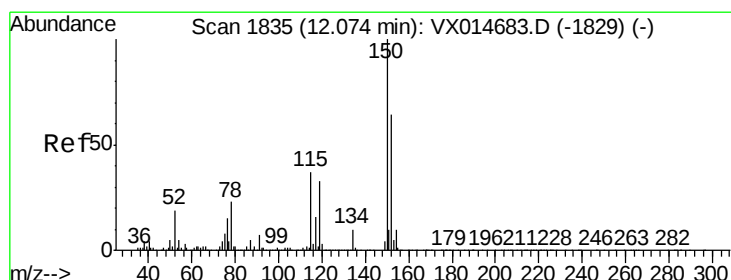
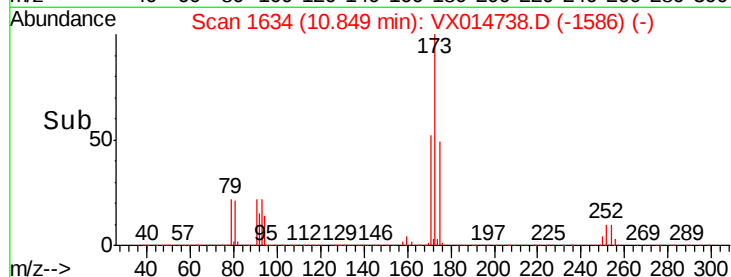
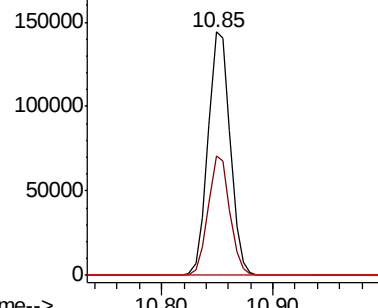


Abundance

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# 1835

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

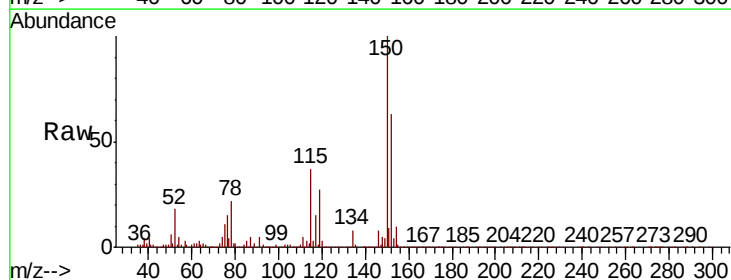
Tgt Ion:152 Resp: 312177

Ion Ratio Lower Upper

152 100

115 76.5 39.4 118.1

150 172.8 0.0 351.2

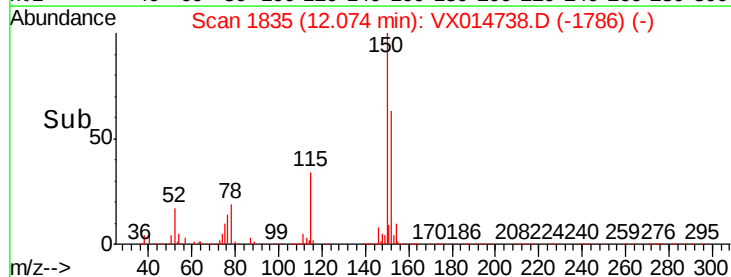
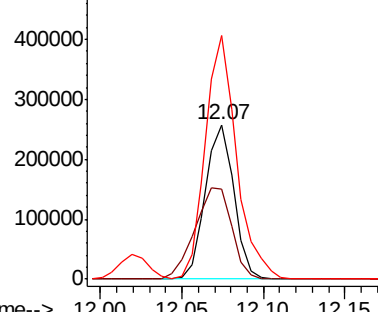


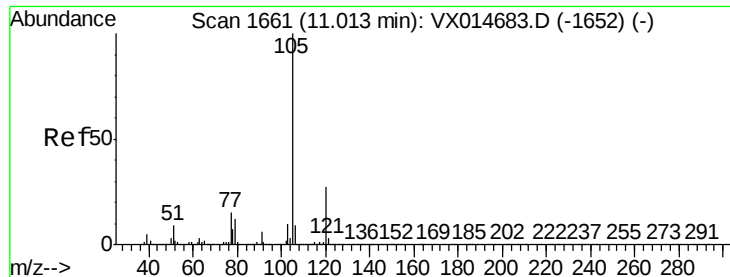
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.834 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

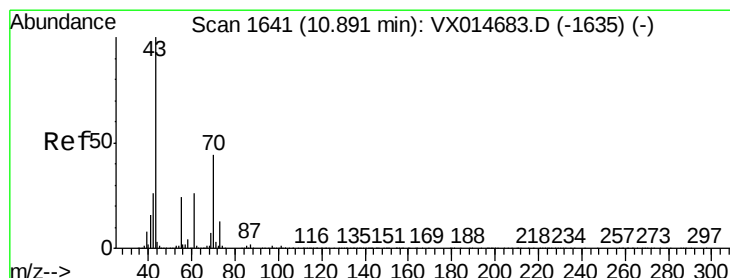
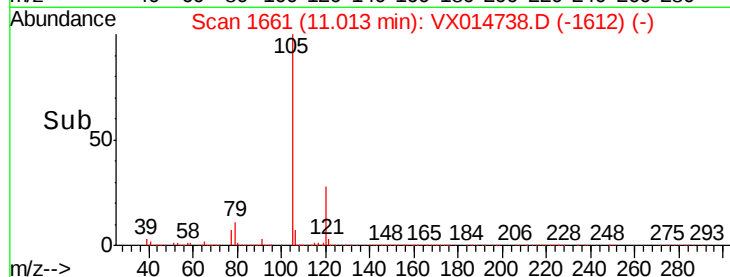
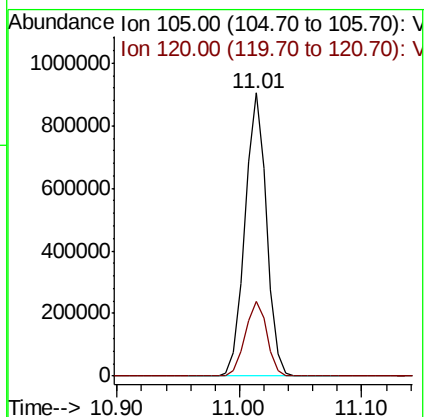
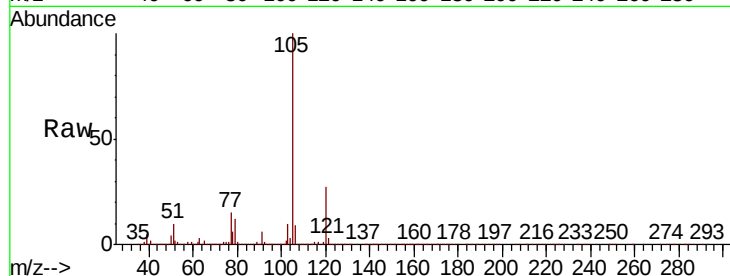
ClientSampled :

Tot Ion:105 Resp: 1093861

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



#74

N-ethyl acetate

Concen: 53.354 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Tgt Ion: 43 Resp: 513205

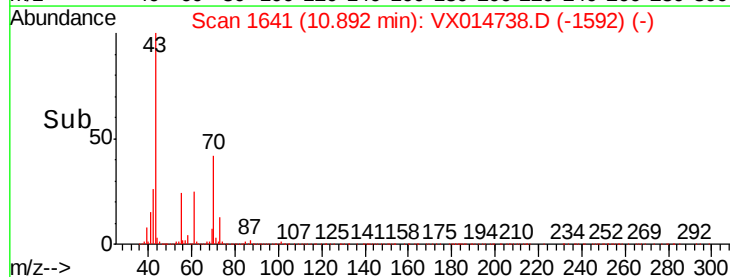
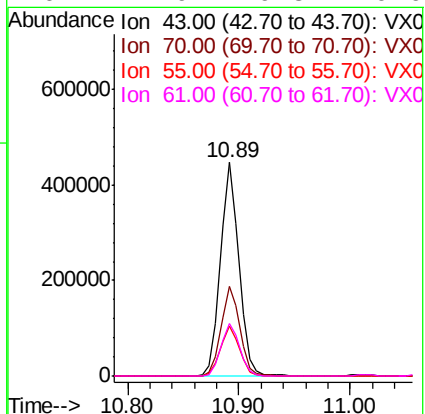
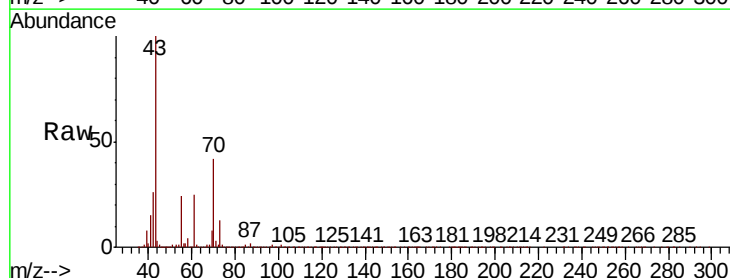
Ion Ratio Lower Upper

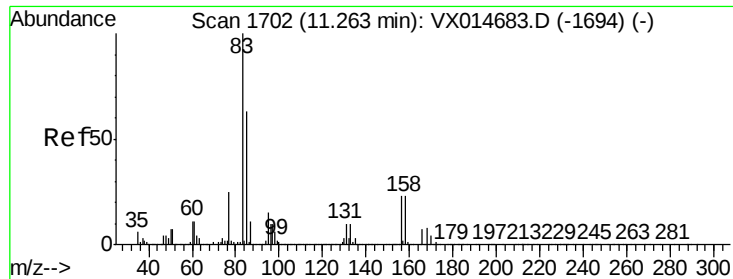
43 100

70 42.5 34.6 52.0

55 23.9 19.4 29.2

61 24.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.432 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

ClientSampleId :

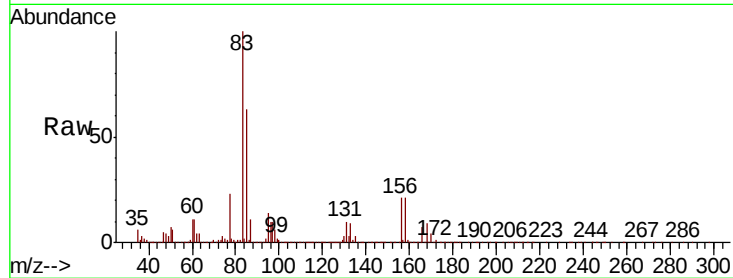
Tot Ion: 83 Resp: 371739

Ion Ratio Lower Upper

83 100

131 10.5 5.0 15.0

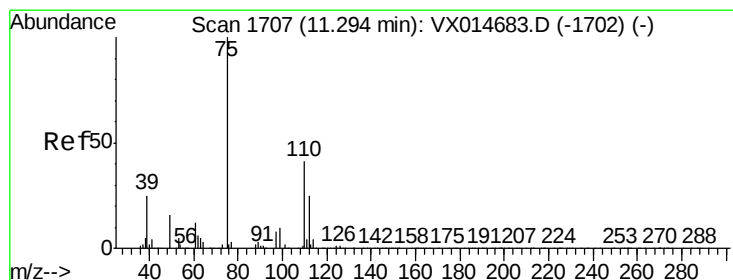
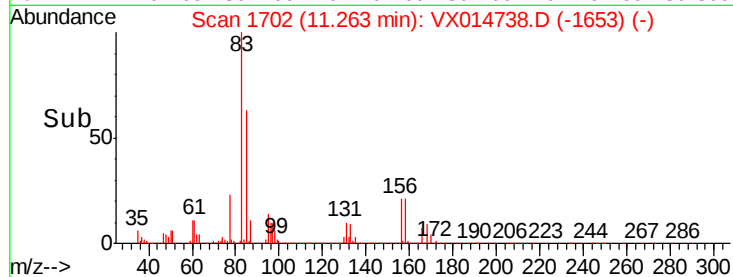
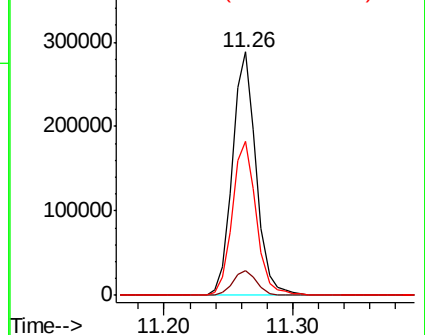
85 63.9 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 59.892 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014738.D

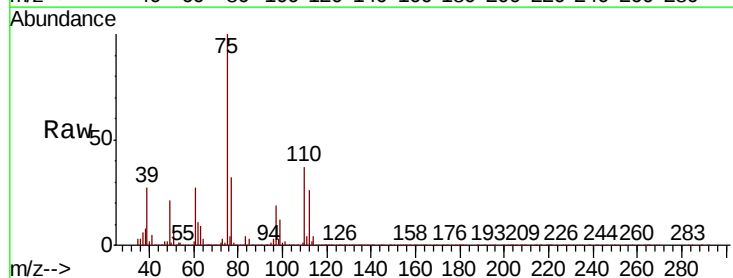
Acq: 27 Jan 2020 19:47

Tgt Ion: 75 Resp: 434992

Ion Ratio Lower Upper

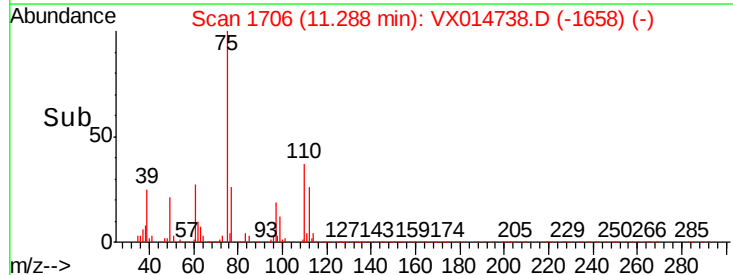
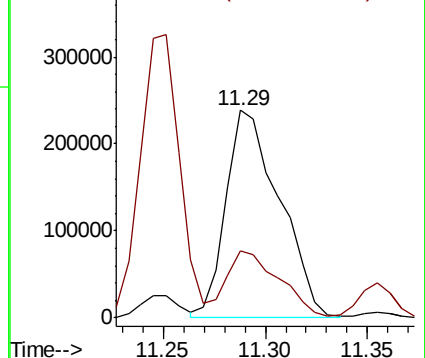
75 100

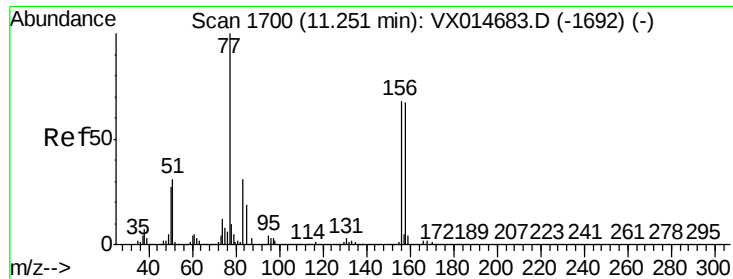
77 32.1 18.7 56.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.910 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

ClientSampleId :

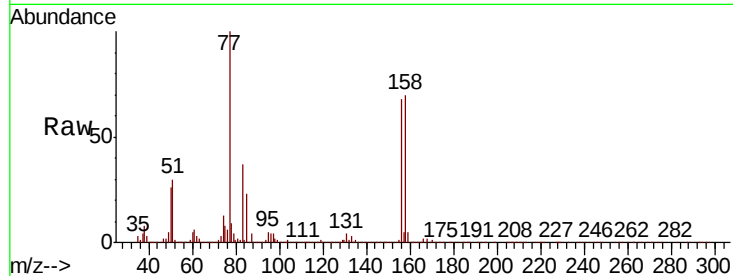
Tot Ion:156 Resp: 288416

Ion Ratio Lower Upper

156 100

77 150.4 77.5 232.5

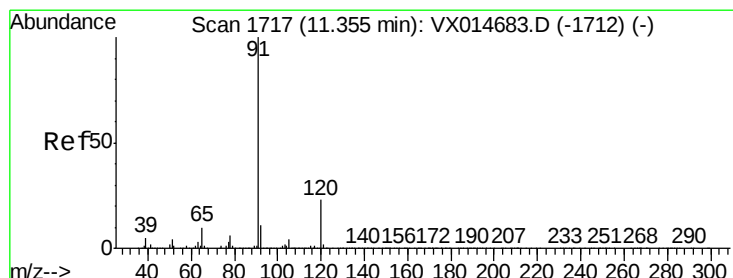
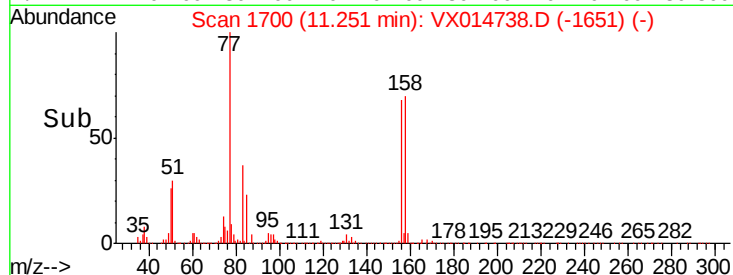
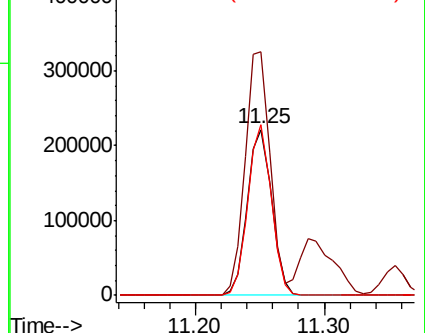
158 99.1 49.1 147.3



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: 49.768 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014738.D

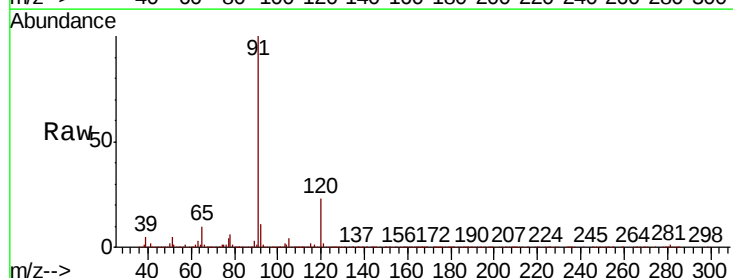
Acq: 27 Jan 2020 19:47

Tgt Ion: 91 Resp: 1240001

Ion Ratio Lower Upper

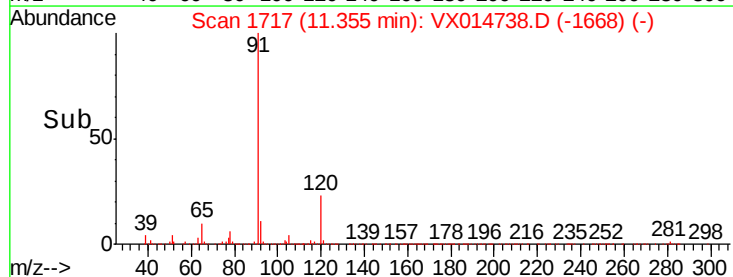
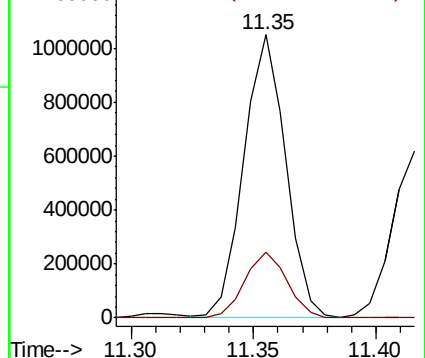
91 100

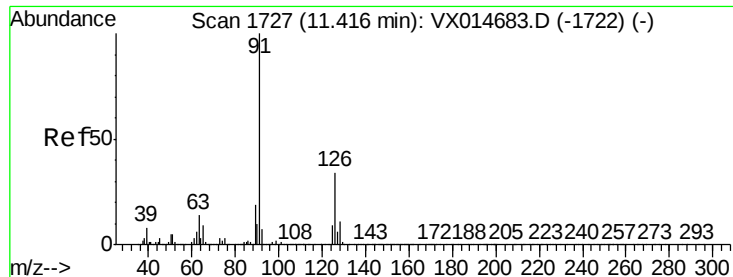
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

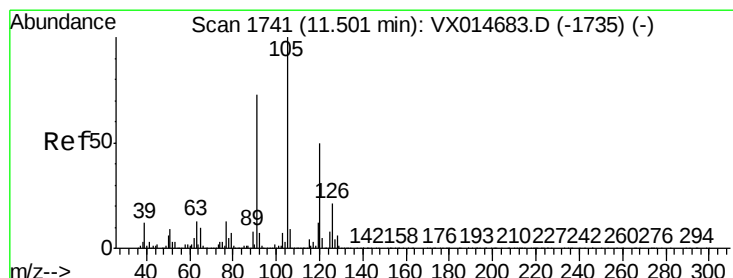
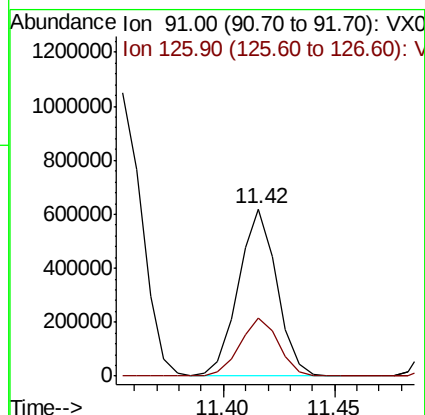
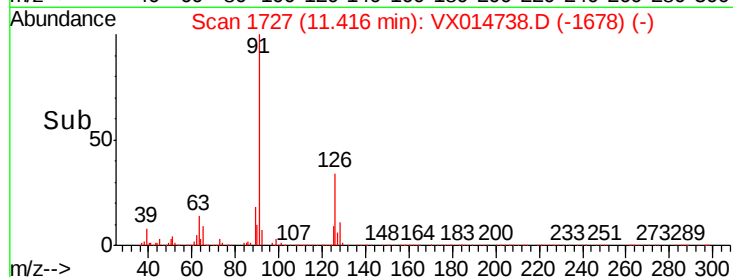
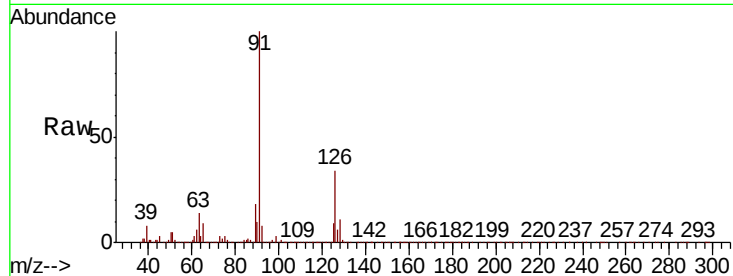




#79  
 2-Chlorotoluene  
 Concen: 49.346 ug/l  
 RT: 11.42 min Scan# 1727  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

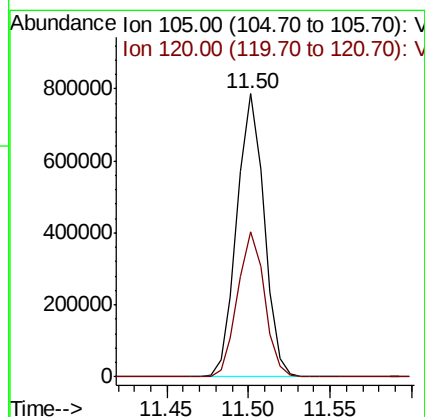
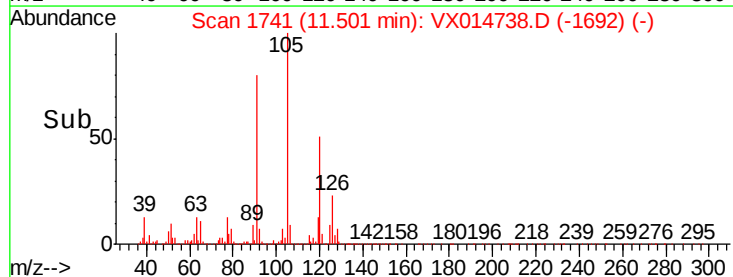
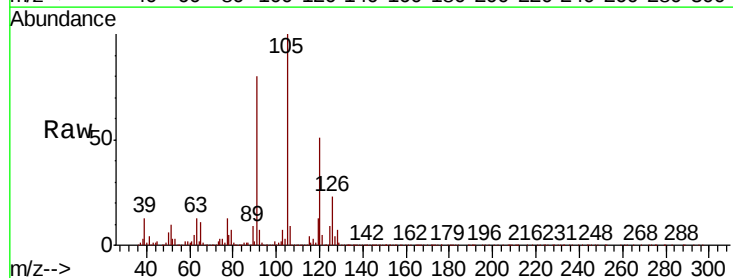
Instrument :  
 MSVOA\_X  
 ClientSampleId :

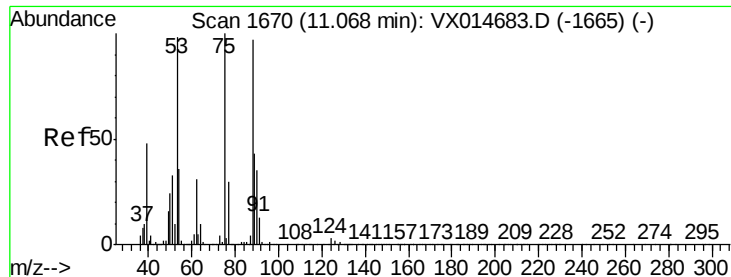
Tot Ion: 91 Resp: 743916  
 Ion Ratio Lower Upper  
 91 100  
 126 35.0 17.3 51.9



#80  
 1,3,5-Trimethylbenzene  
 Concen: 50.218 ug/l  
 RT: 11.50 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

Tgt Ion: 105 Resp: 914865  
 Ion Ratio Lower Upper  
 105 100  
 120 50.9 24.9 74.6

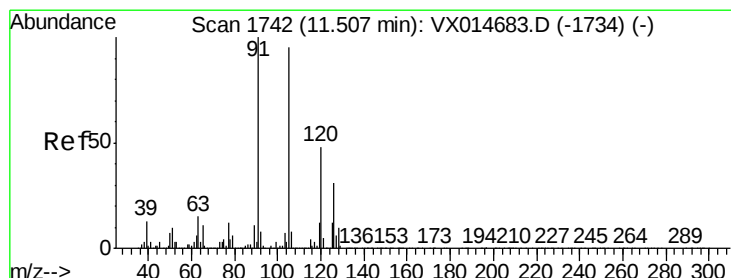
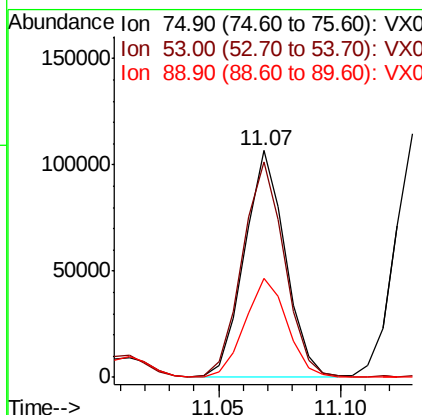
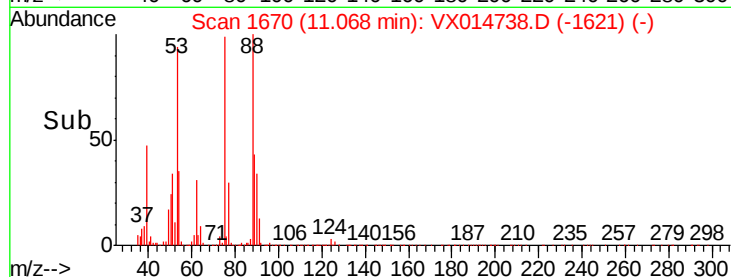
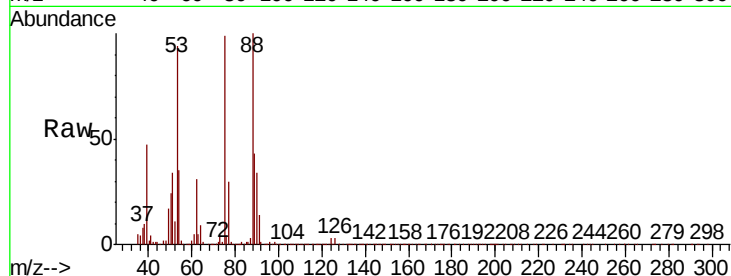




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.324 ug/l  
RT: 11.07 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

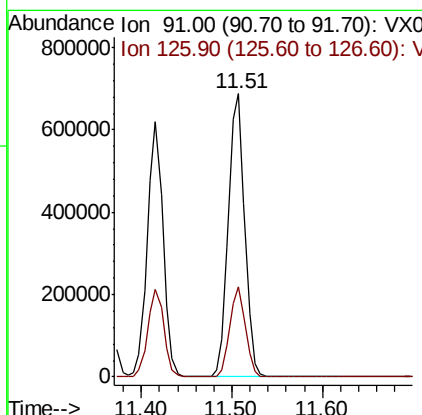
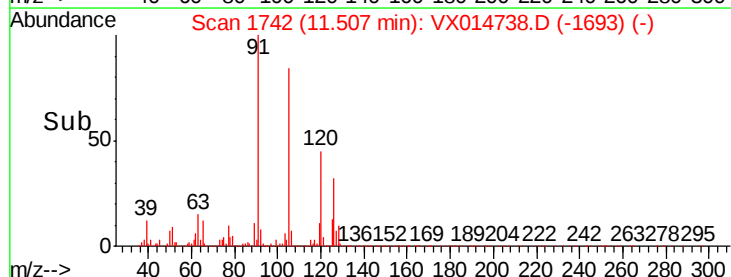
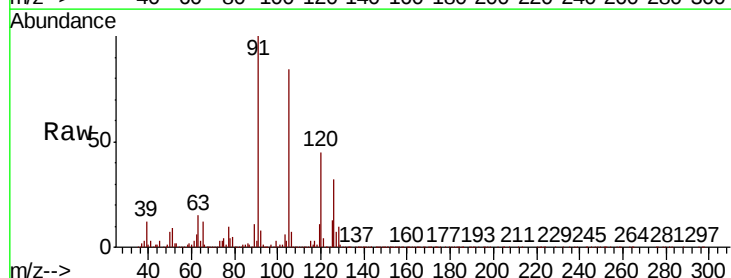
Instrument :  
MSVOA\_X  
ClientSampleId :

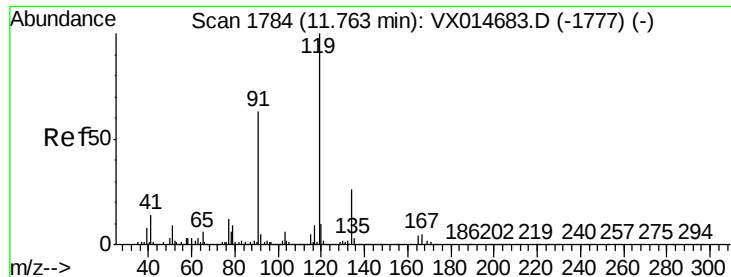
Tot Ion: 75 Resp: 123332  
Ion Ratio Lower Upper  
75 100  
53 98.0 78.8 118.2  
89 45.7 35.4 53.0



#82  
4-Chlorotoluene  
Concen: 50.249 ug/l  
RT: 11.51 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

Tgt Ion: 91 Resp: 862409  
Ion Ratio Lower Upper  
91 100  
126 30.4 15.4 46.4

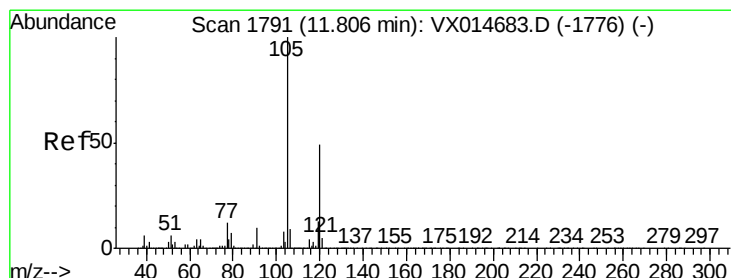
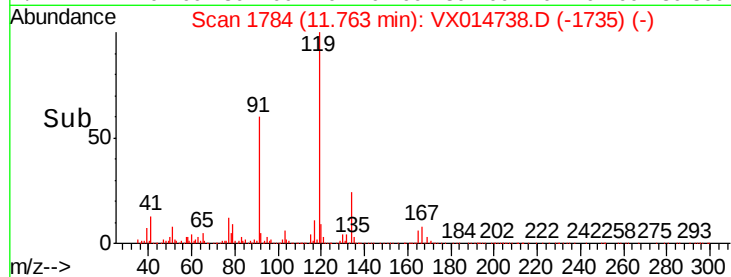
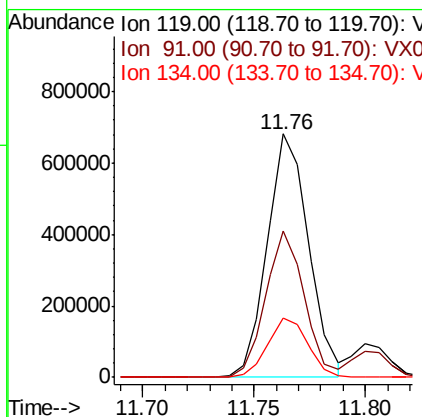
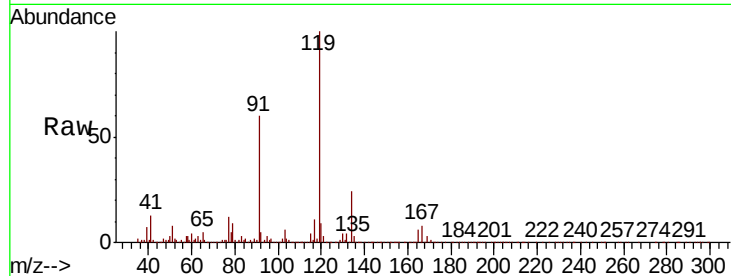




#83  
 tert-Butylbenzene  
 Concen: 51.297 ug/l  
 RT: 11.76 min Scan# 1784  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

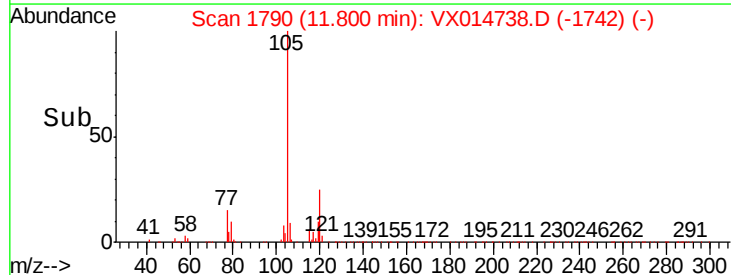
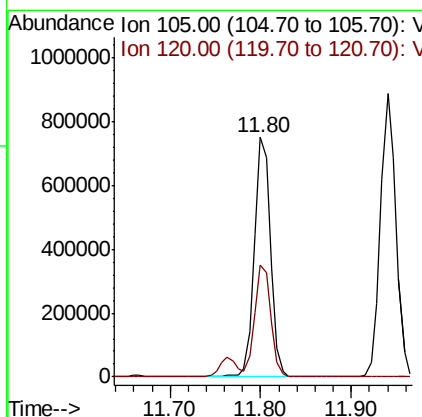
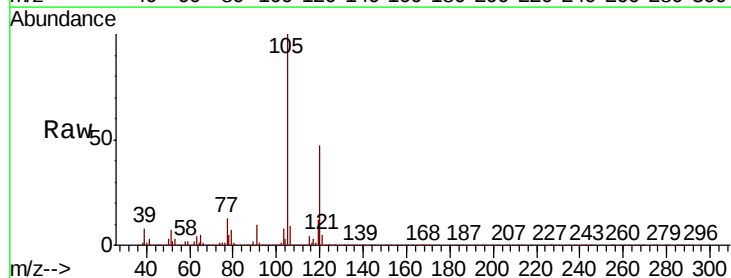
Instrument :  
 MSVOA\_X  
 ClientSampleId :

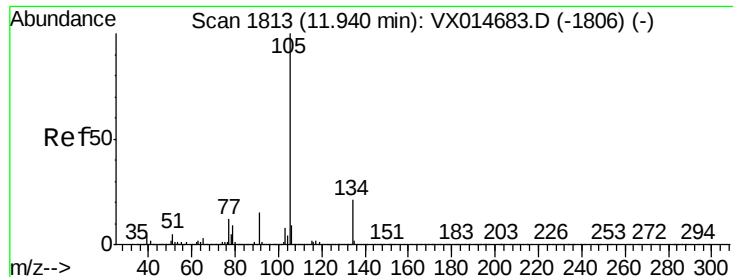
Tot Ion:119 Resp: 878143  
 Ion Ratio Lower Upper  
 119 100  
 91 56.4 30.0 90.0  
 134 23.8 12.7 38.0



#84  
 1,2,4-Trimethylbenzene  
 Concen: 50.600 ug/l  
 RT: 11.80 min Scan# 1790  
 Delta R.T. -0.01 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

Tgt Ion:105 Resp: 924637  
 Ion Ratio Lower Upper  
 105 100  
 120 46.3 23.4 70.0

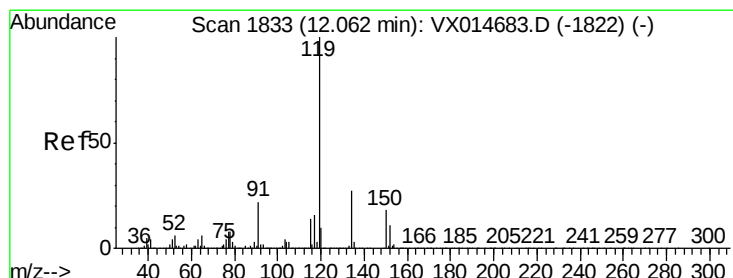
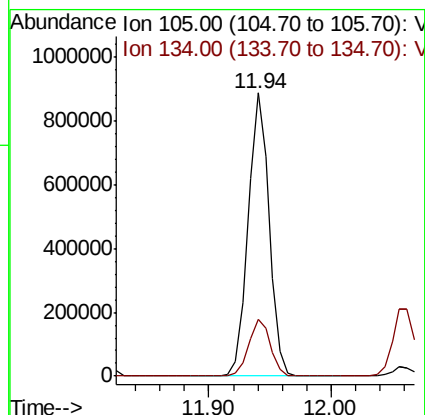
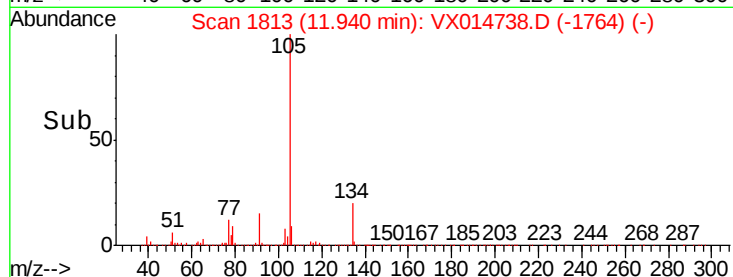
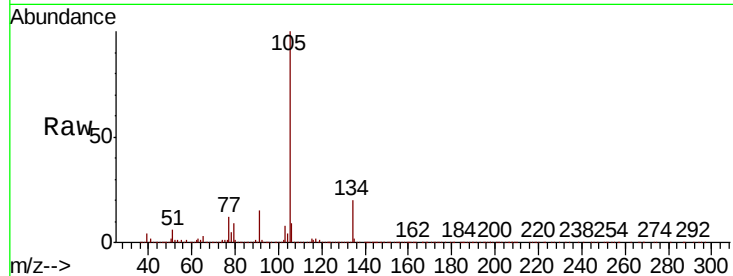




#85  
 sec-Butylbenzene  
 Concen: 50.234 ug/l  
 RT: 11.94 min Scan# 1813  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

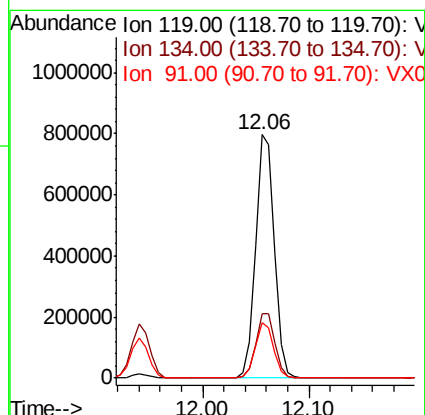
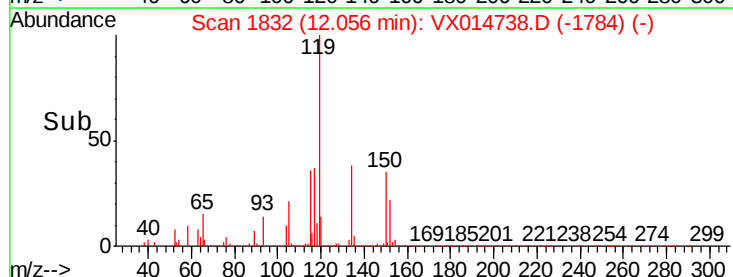
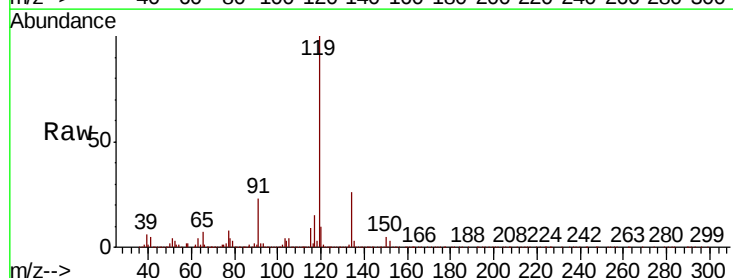
Instrument :  
 MSVOA\_X  
 ClientSampleId :

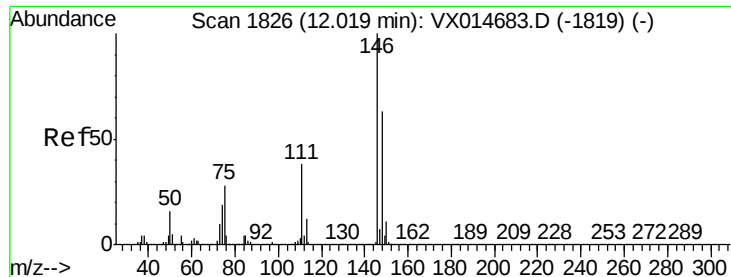
Tot Ion:105 Resp: 1053482  
 Ion Ratio Lower Upper  
 105 100  
 134 20.6 10.3 30.8



#86  
 p-Isopropyltoluene  
 Concen: 50.461 ug/l  
 RT: 12.06 min Scan# 1832  
 Delta R.T. -0.01 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

Tgt Ion:119 Resp: 977996  
 Ion Ratio Lower Upper  
 119 100  
 134 27.0 13.5 40.4  
 91 22.4 11.3 33.8

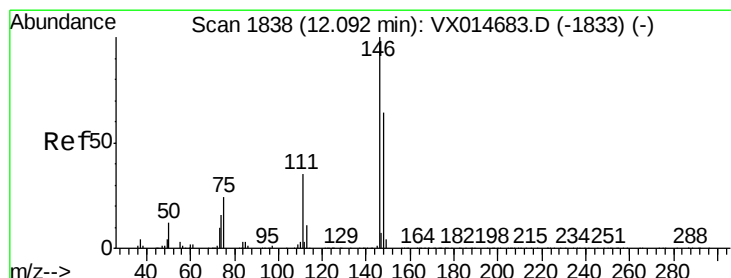
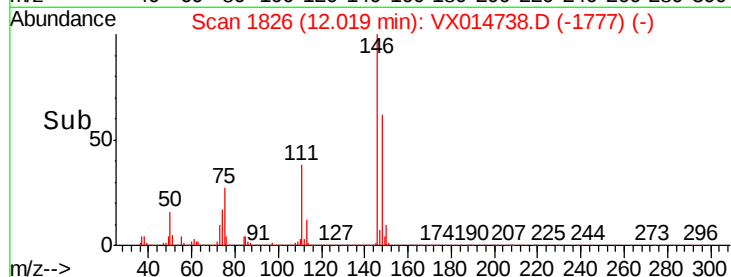
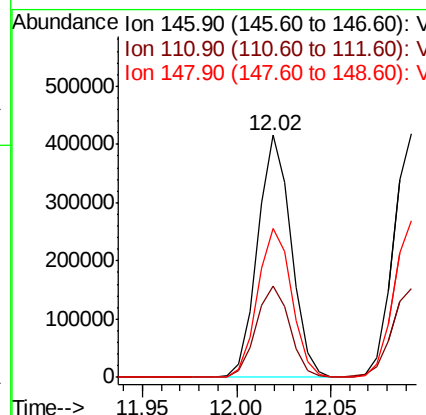
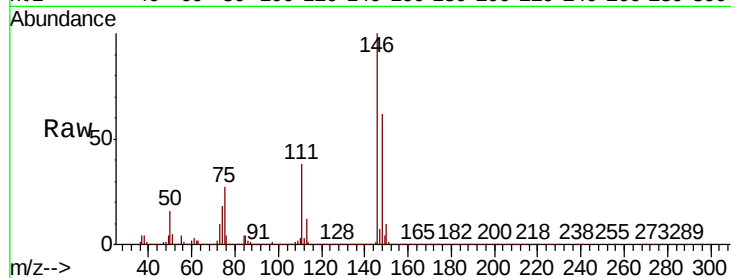




#87  
 1,3-Dichlorobenzene  
 Concen: 48.169 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

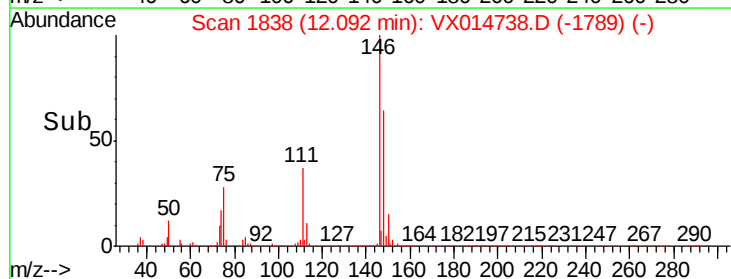
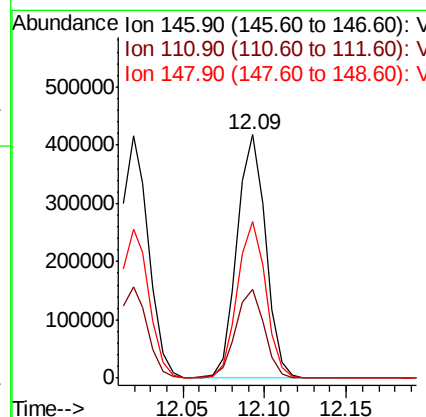
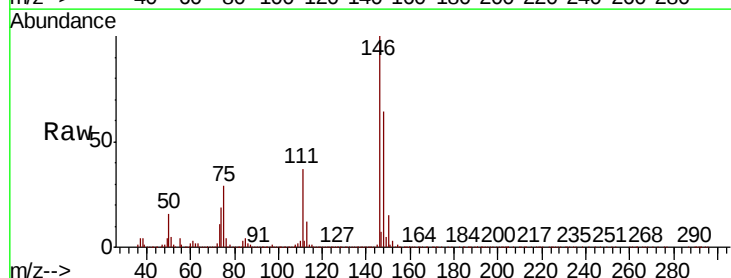
Instrument :  
 MSVOA\_X  
 ClientSampleId :

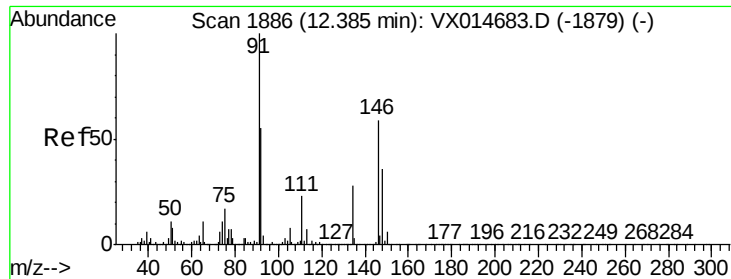
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 19.0  | 57.0  |
| 148     | 62.9  | 31.6  | 95.0  |



#88  
 1,4-Dichlorobenzene  
 Concen: 48.030 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.9  | 18.6  | 55.8  |
| 148     | 63.9  | 32.0  | 96.2  |

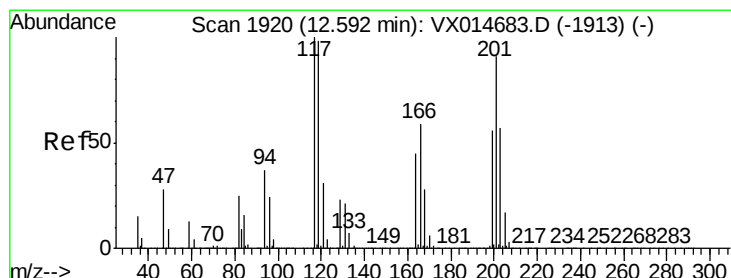
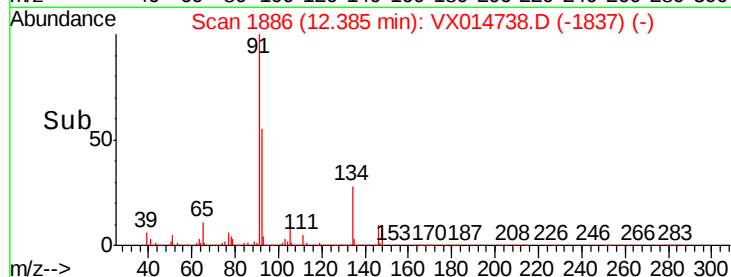
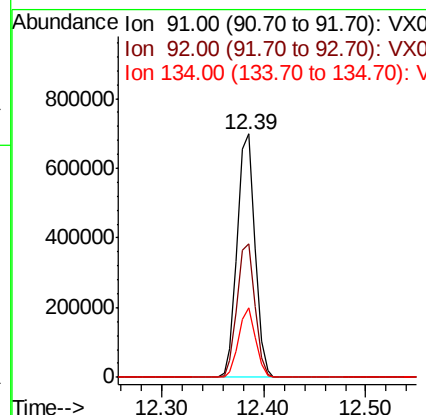
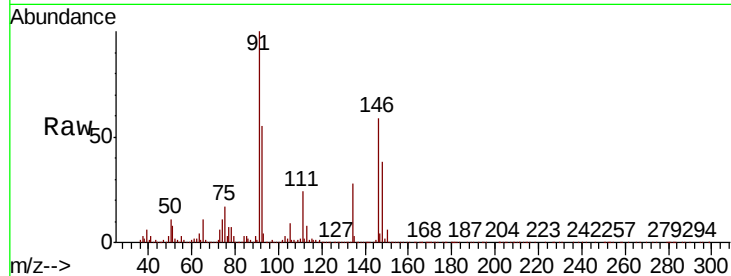




#89  
n-Butylbenzene  
Concen: 49.465 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

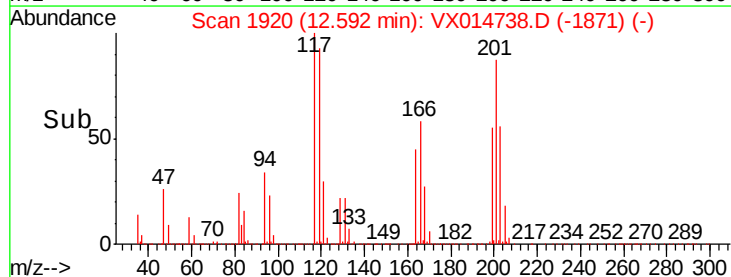
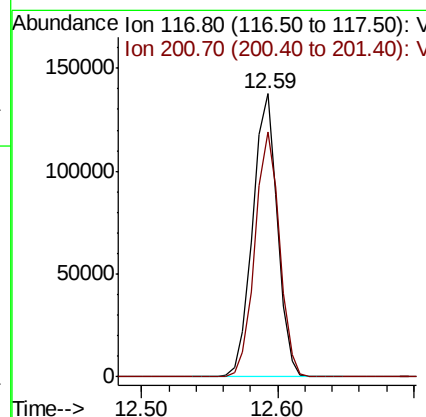
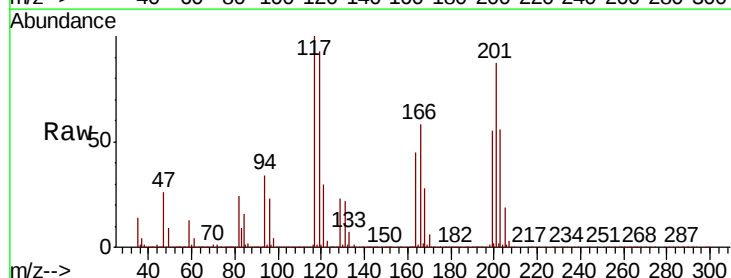
Instrument :  
MSVOA\_X  
ClientSampled :

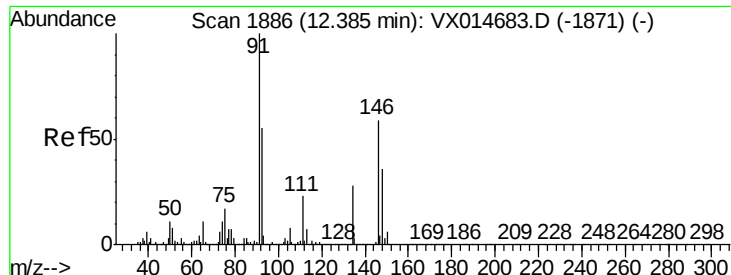
Tot Ion: 91 Resp: 834968  
Ion Ratio Lower Upper  
91 100  
92 55.2 27.6 82.7  
134 27.2 13.3 39.8



#90  
Hexachloroethane  
Concen: 48.770 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: VX014738.D  
Acq: 27 Jan 2020 19:47

Tgt Ion: 117 Resp: 175566  
Ion Ratio Lower Upper  
117 100  
201 86.2 44.4 133.1





#91

1,2-Dichlorobenzene

Concen: 48.657 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

ClientSampleId :

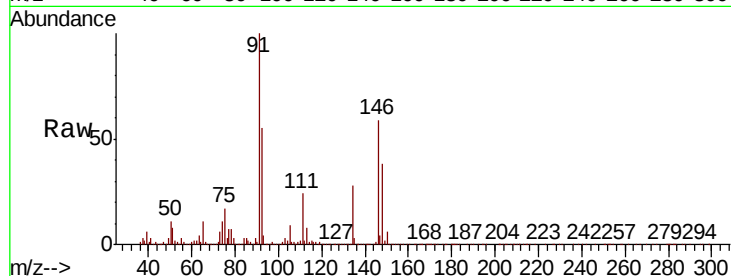
Tot Ion:146 Resp: 512149

Ion Ratio Lower Upper

146 100

111 39.8 19.6 58.8

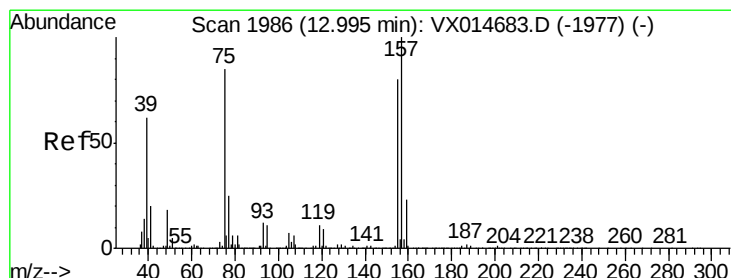
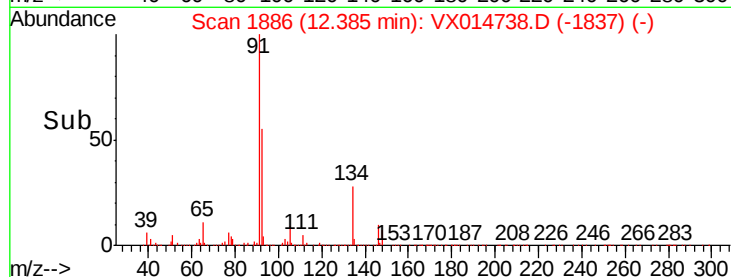
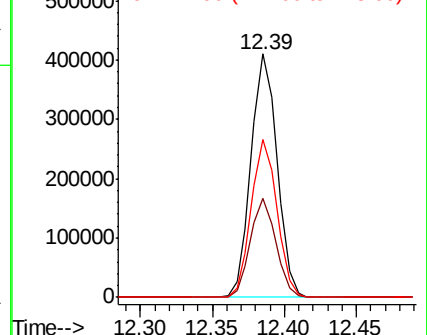
148 64.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.051 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

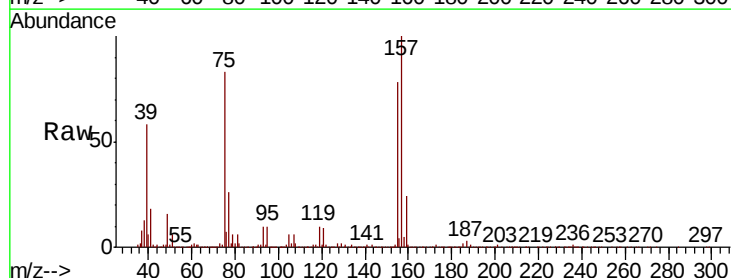
Tgt Ion: 75 Resp: 80910

Ion Ratio Lower Upper

75 100

155 94.6 45.6 136.9

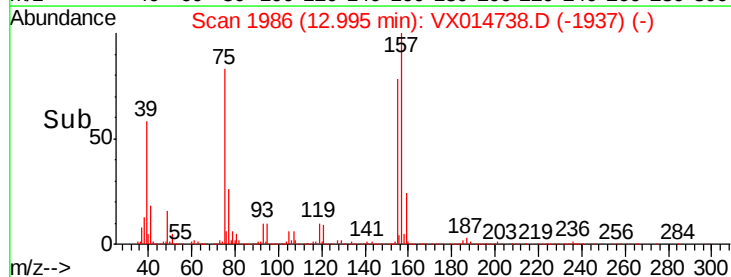
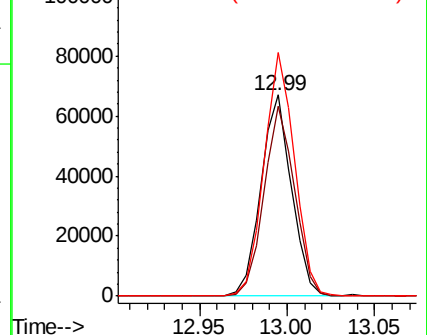
157 121.1 60.3 180.9

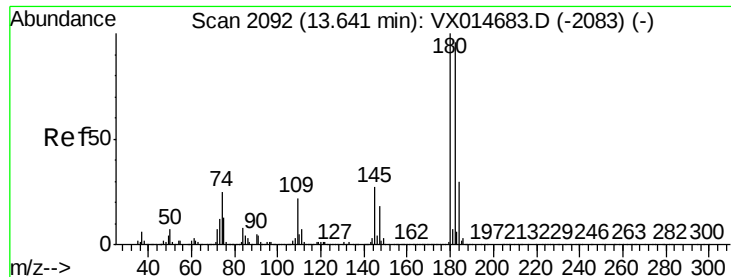


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

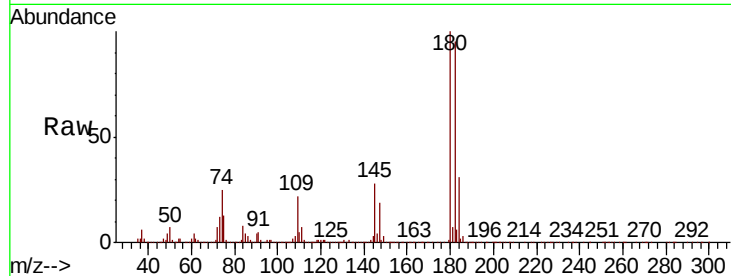




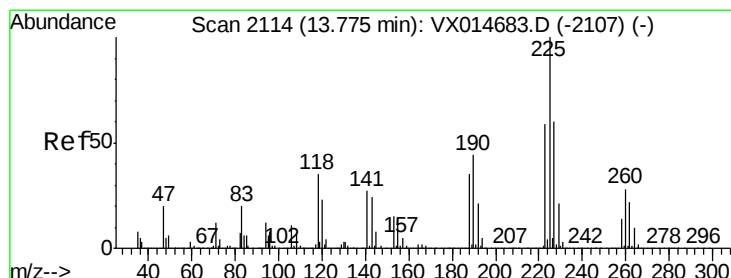
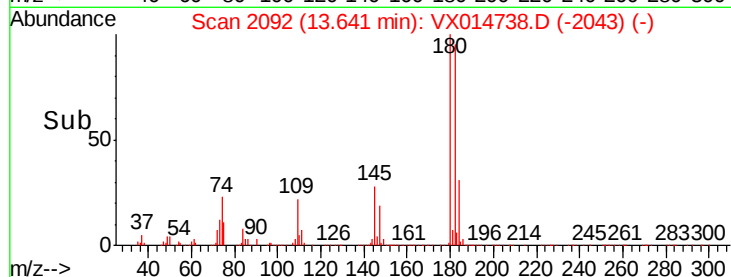
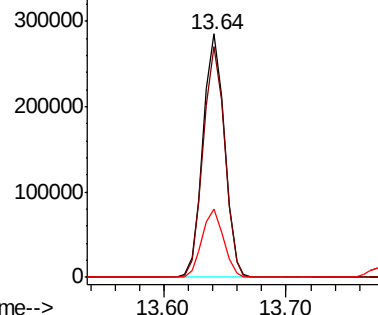
#93  
 1,2,4-Trichlorobenzene  
 Concen: 50.710 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 48.5  | 145.6 |
| 145     | 28.2  | 14.0  | 41.9  |

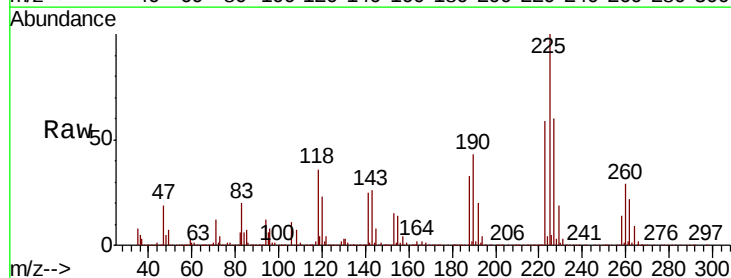


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

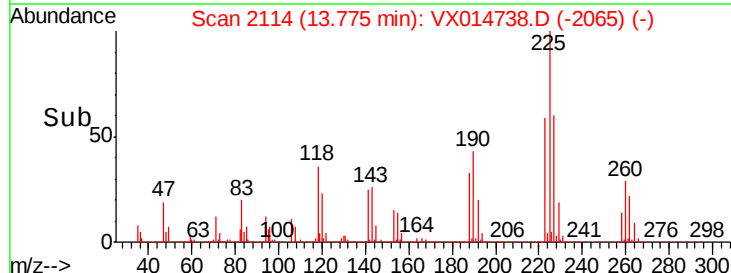
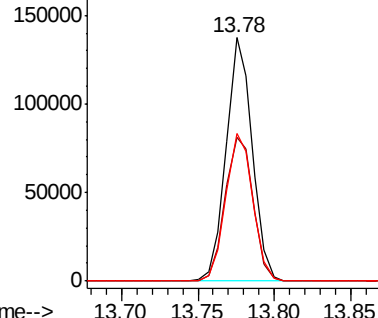


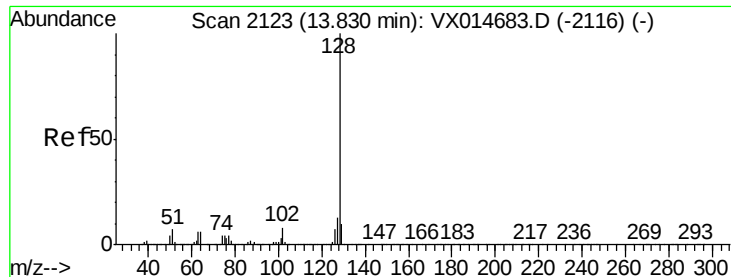
#94  
 Hexachlorobutadiene  
 Concen: 46.722 ug/l  
 RT: 13.78 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VX014738.D  
 Acq: 27 Jan 2020 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.6  | 30.6  | 91.8  |
| 227     | 62.9  | 31.4  | 94.0  |



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





#95

Naphthalene

Concen: 48.062 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

Instrument :

MSVOA\_X

ClientSampled :

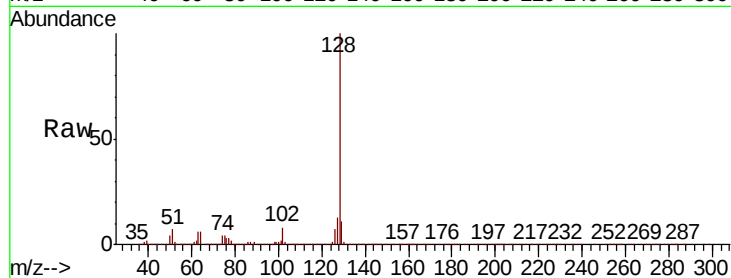
Tot Ion:128 Resp: 1050929

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.0 8.6 12.8

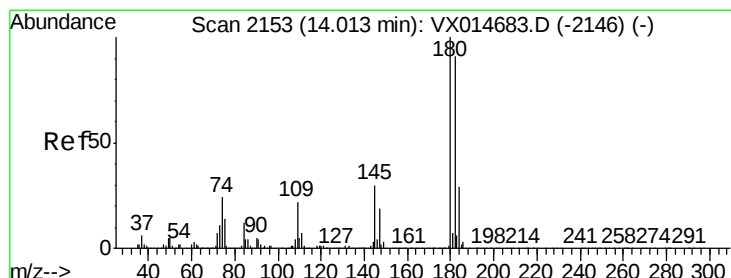
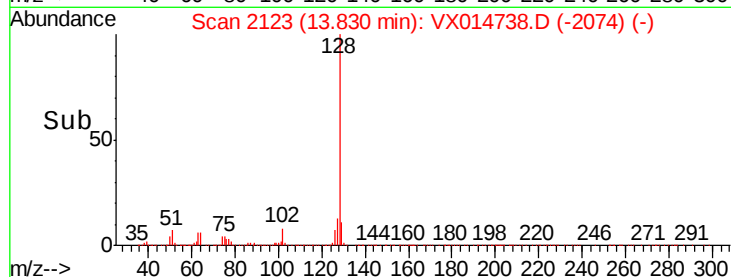
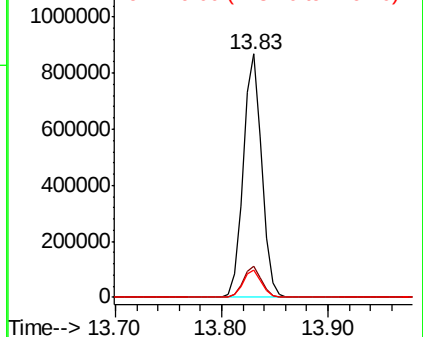


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.570 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014738.D

Acq: 27 Jan 2020 19:47

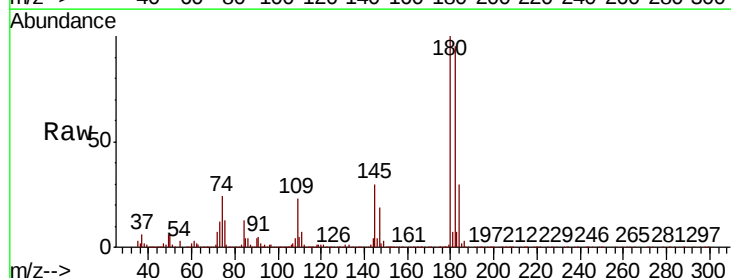
Tgt Ion:180 Resp: 353855

Ion Ratio Lower Upper

180 100

182 94.1 46.6 139.7

145 29.2 14.7 44.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

