

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX013020\  
 Data File : VX014768.D  
 Acq On : 30 Jan 2020 10:17  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 31 04:17:04 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  | 427639   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 622867   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 567528   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 299060   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.05   | 65  | 241663   | 48.39 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.78%  |      |
| 35) Dibromofluoromethane  | 5.48   | 113 | 199159   | 50.67 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.34% |      |
| 50) Toluene-d8            | 8.71   | 98  | 759546   | 50.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.54% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 273053   | 50.73 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.46% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 268044  | 46.732  | ug/l | 100    |
| 3) Chloromethane              | 1.32 | 50  | 262242  | 45.330  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 303230  | 48.477  | ug/l | 100    |
| 5) Bromomethane               | 1.63 | 94  | 186672  | 43.936  | ug/l | 100    |
| 6) Chloroethane               | 1.72 | 64  | 172017  | 48.011  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 345919  | 47.494  | ug/l | 100    |
| 8) Diethyl Ether              | 2.18 | 74  | 148556  | 46.729  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 209106  | 48.906  | ug/l | 99     |
| 10) Methyl Iodide             | 2.50 | 142 | 278440  | 49.630  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.03 | 59  | 212414  | 189.458 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 198194  | 46.622  | ug/l | 96     |
| 13) Acrolein                  | 2.28 | 56  | 230440  | 260.675 | ug/l | 100    |
| 14) Allyl chloride            | 2.72 | 41  | 356629  | 46.672  | ug/l | 98     |
| 15) Acrylonitrile             | 3.13 | 53  | 583805  | 225.050 | ug/l | 100    |
| 16) Acetone                   | 2.43 | 43  | 655147  | 239.378 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.56 | 76  | 516928  | 44.491  | ug/l | 100    |
| 18) Methyl Acetate            | 2.76 | 43  | 354795  | 45.414  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.18 | 73  | 678810  | 48.751  | ug/l | 100    |
| 20) Methylene Chloride        | 2.84 | 84  | 230828  | 45.578  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 215297  | 45.996  | ug/l | 98     |
| 22) Diisopropyl ether         | 3.84 | 45  | 750112  | 49.342  | ug/l | 96     |
| 23) Vinyl Acetate             | 3.80 | 43  | 2873634 | 247.970 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 397503  | 48.147  | ug/l | 99     |
| 25) 2-Butanone                | 4.65 | 43  | 895749  | 228.428 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 323508  | 48.955  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 249129  | 47.556  | ug/l | 100    |
| 28) Bromochloromethane        | 5.00 | 49  | 161895  | 44.624  | ug/l | 97     |
| 29) Tetrahydrofuran           | 5.11 | 42  | 512611  | 220.251 | ug/l | 99     |
| 30) Chloroform                | 5.20 | 83  | 395103  | 48.310  | ug/l | 98     |
| 31) Cyclohexane               | 5.57 | 56  | 361522  | 46.557  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 333855  | 48.293  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 294436  | 50.873  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.81 | 43  | 311648  | 47.014  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.77 | 117 | 287711  | 52.051  | ug/l | 98     |

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 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 31 04:17:04 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          | 7.45  | 83   | 372266   | 51.343  | ug/l   | 96       |
| 40) Benzene                    | 6.13  | 78   | 902386   | 50.461  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.03  | 41   | 175085   | 46.278  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 321152   | 52.006  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 524634   | 48.331  | ug/l   | 99       |
| 44) Trichloroethene            | 7.20  | 130  | 252411   | 49.970  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 7.50  | 63   | 239170   | 51.915  | ug/l   | 96       |
| 46) Dibromomethane             | 7.65  | 93   | 153956   | 51.598  | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.89  | 83   | 311322   | 53.198  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.76  | 41   | 262687   | 50.649  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 94022    | 855.206 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.63  | 43   | 1640997  | 239.522 | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 566646   | 51.548  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 339599   | 53.893  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 378811   | 54.646  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 231420   | 51.420  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 361732   | 47.502  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.36  | 76   | 396338   | 51.515  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.30  | 63   | 607330   | 268.327 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 1291800  | 242.985 | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.57  | 129  | 247649   | 52.717  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 241932   | 50.842  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.33  | 164  | 278412   | 49.559  | ug/l   | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 614692   | 50.637  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 232232   | 51.887  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 1087034  | 52.444  | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.36 | 106  | 849395   | 108.169 | ug/l   | 98       |
| 69) o-Xylene                   | 10.69 | 106  | 397618   | 52.451  | ug/l   | 100      |
| 70) Styrene                    | 10.71 | 104  | 701174   | 55.139  | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 190293   | 53.463  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.01 | 105  | 1079504  | 51.337  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 455606   | 49.443  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 342415   | 45.607  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 400213   | 57.520  | ug/l   | 91       |
| 77) Bromobenzene               | 11.25 | 156  | 281889   | 49.900  | ug/l   | 97       |
| 78) n-propylbenzene            | 11.35 | 91   | 1243708  | 52.106  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 724591   | 50.172  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 913104   | 52.320  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 115745   | 47.341  | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 849158   | 51.647  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 851812   | 51.941  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 916531   | 52.357  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 1060136  | 52.768  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 991006   | 53.375  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 502110   | 49.457  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 504743   | 49.632  | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.38 | 91   | 864862   | 53.483  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 171841   | 49.828  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 502068   | 49.792  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 70786    | 43.882  | ug/l   | 97       |

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Data File : VX014768.D  
Acq On : 30 Jan 2020 10:17  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 2 Sample Multiplier: 1

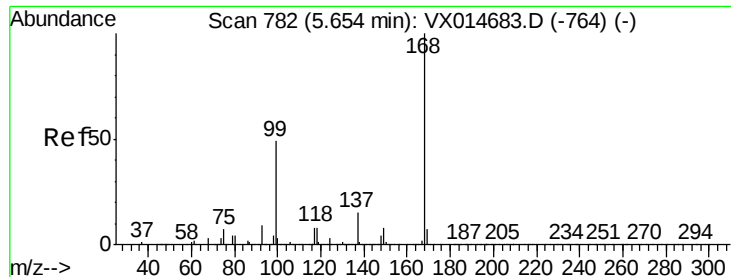
Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jan 31 04:17:04 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  | 345016   | 53.072 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 175748   | 52.526 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 984796   | 47.033 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 346813   | 52.760 | ug/l  | 98       |

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



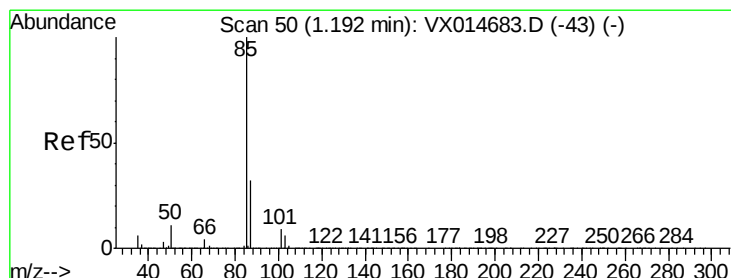
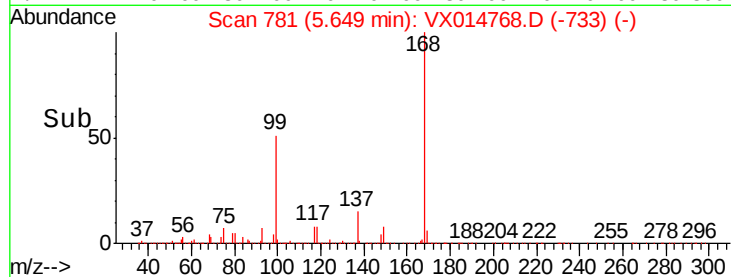
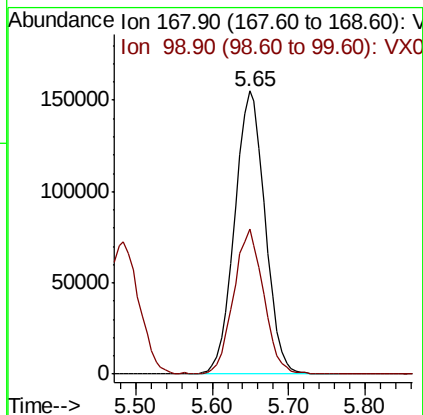
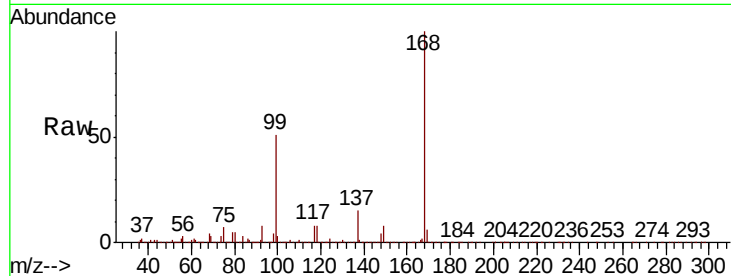


#1

Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.65 min Scan# 781  
 Delta R.T. -0.01 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :

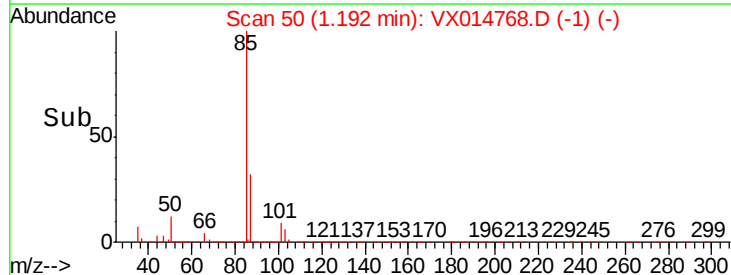
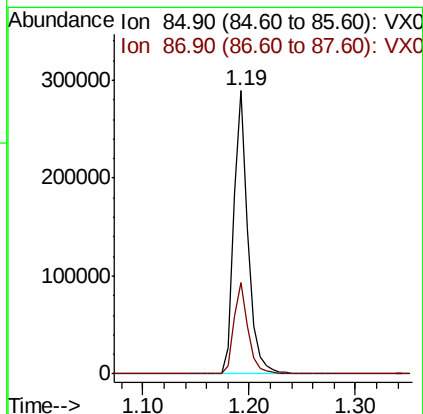
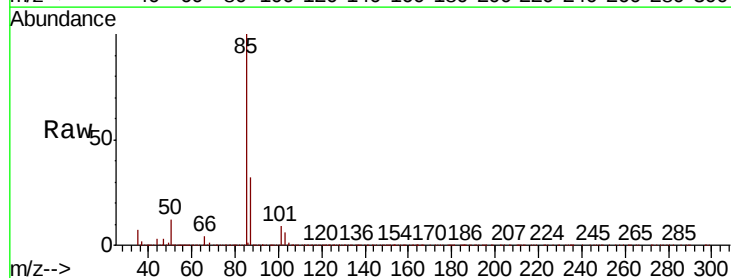
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 Ion Ratio Lower Upper  
 168 100  
 99 51.1 39.8 59.6

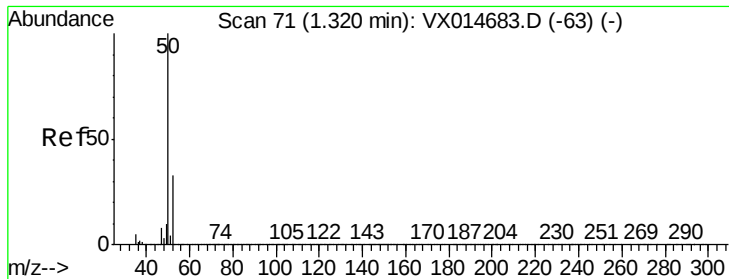


#2

Dichlorodifluoromethane  
 Concen: 46.732 ug/l  
 RT: 1.19 min Scan# 50  
 Delta R.T. 0.00 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

Tgt Ion: 85 Resp: 268044  
 Ion Ratio Lower Upper  
 85 100  
 87 32.4 16.2 48.5

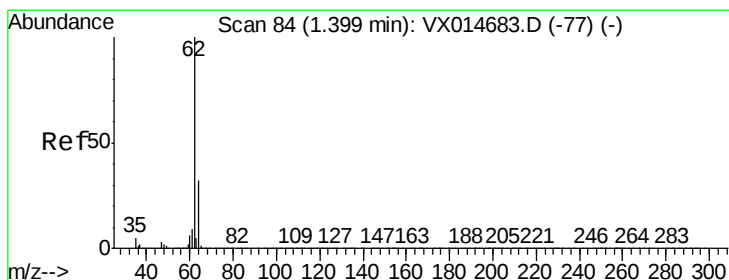
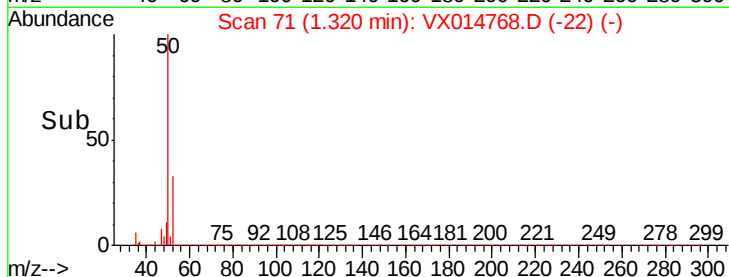
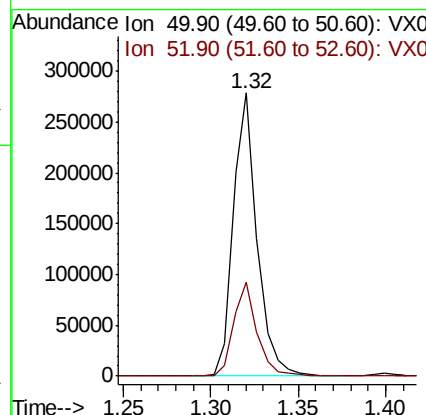
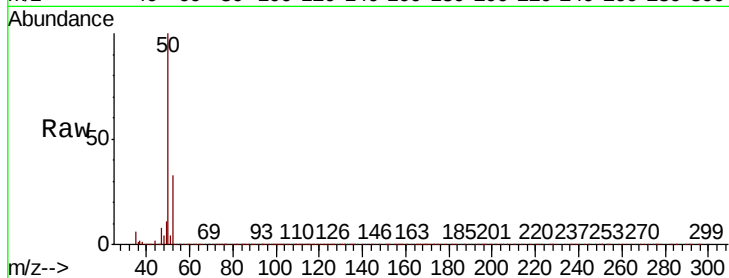




#3  
Chloromethane  
Concen: 45.330 ug/l  
RT: 1.32 min Scan# 71  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

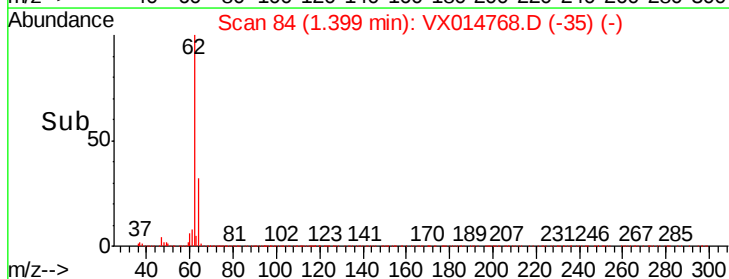
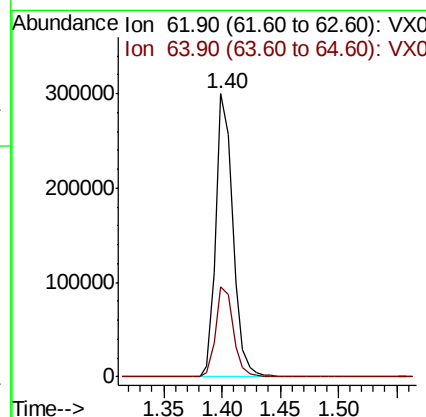
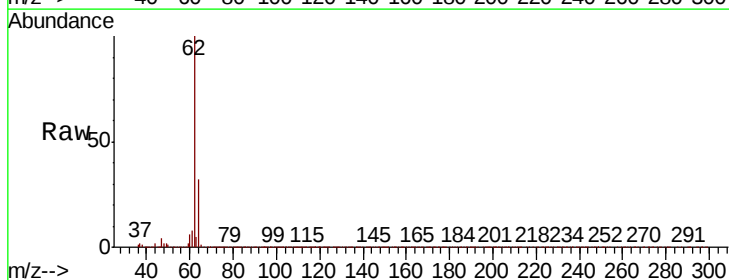
Instrument :  
MSVOA\_X  
ClientSampleId :

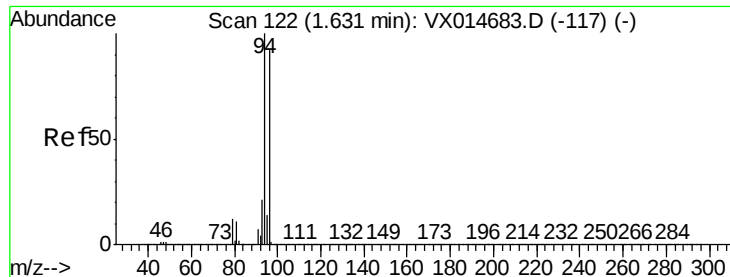
Tot Ion: 50 Resp: 262242  
Ion Ratio Lower Upper  
50 100  
52 33.0 26.2 39.2



#4  
Vinyl Chloride  
Concen: 48.477 ug/l  
RT: 1.40 min Scan# 84  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion: 62 Resp: 303230  
Ion Ratio Lower Upper  
62 100  
64 31.6 25.4 38.2





#5

Bromomethane

Concen: 43.936 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

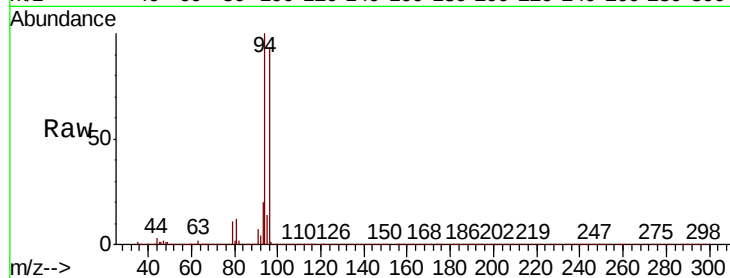
ClientSampleId :

Tot Ion: 94 Resp: 186672

Ion Ratio Lower Upper

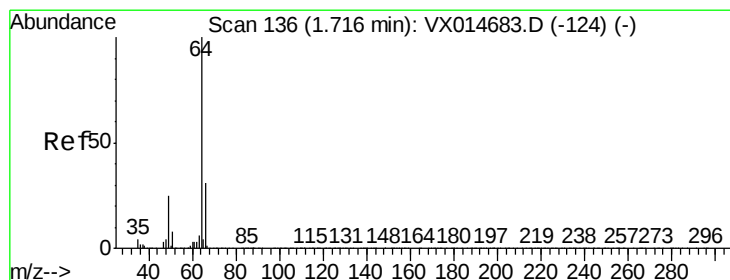
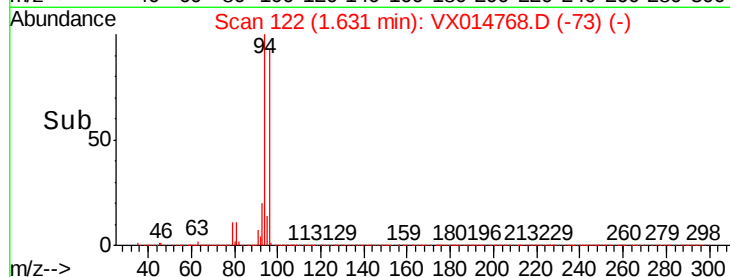
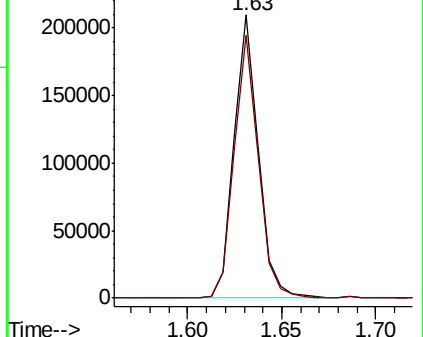
94 100

96 93.0 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.011 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014768.D

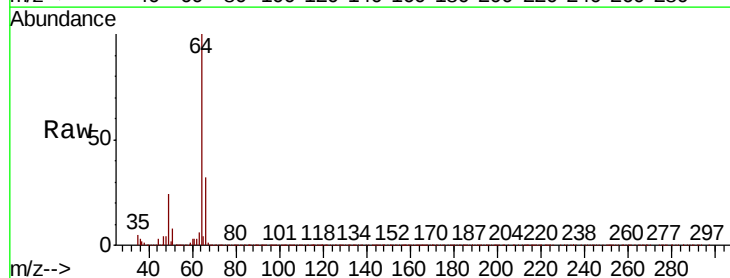
Acq: 30 Jan 2020 10:17

Tgt Ion: 64 Resp: 172017

Ion Ratio Lower Upper

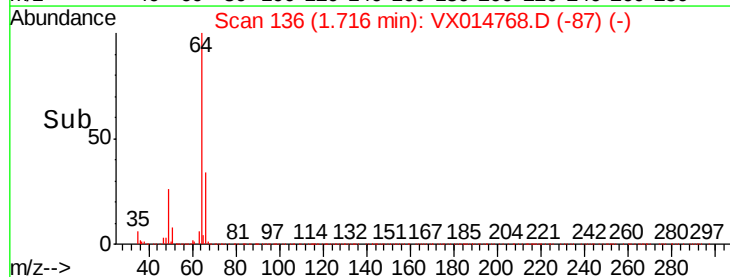
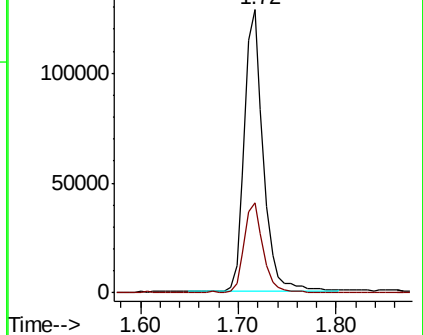
64 100

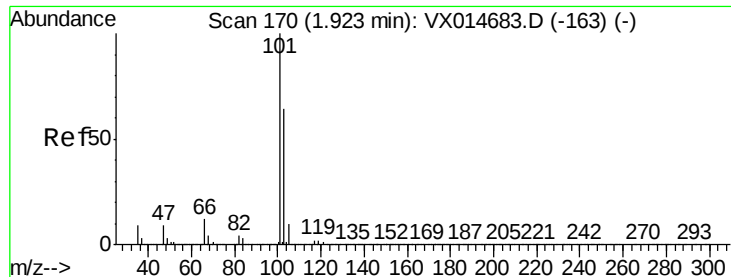
66 31.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



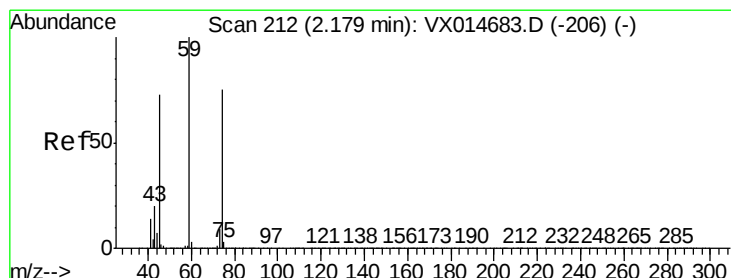
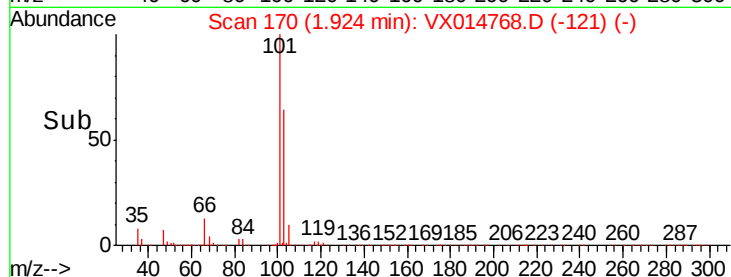
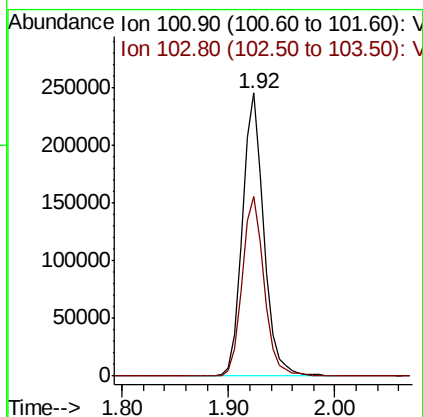
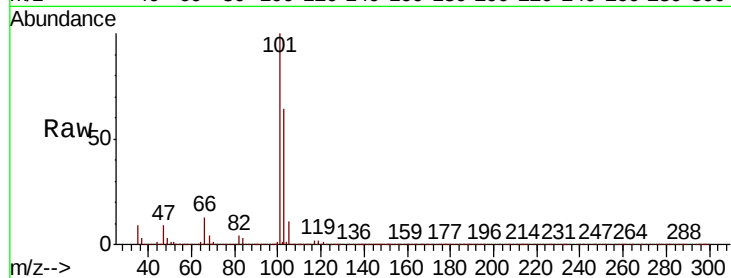


#7

Trichlorofluoromethane  
Concen: 47.494 ug/l  
RT: 1.92 min Scan# 170  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Instrument :  
MSVOA\_X  
ClientSampled :

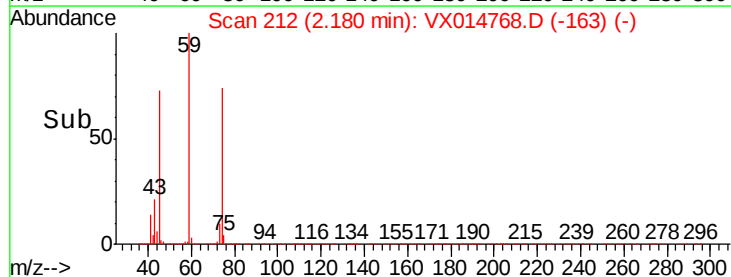
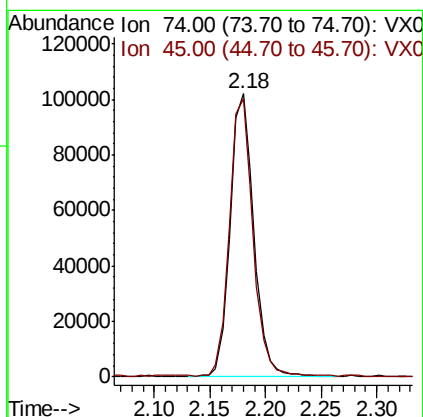
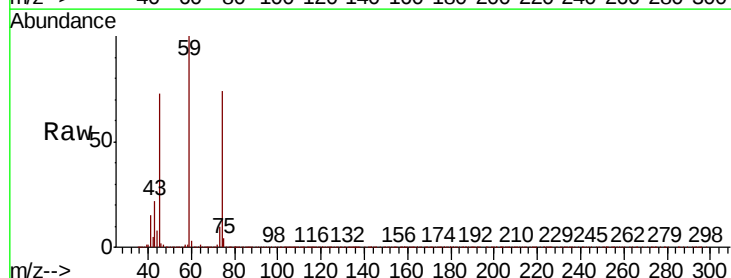
Tot Ion:101 Resp: 345919  
Ion Ratio Lower Upper  
101 100  
103 63.5 51.0 76.6

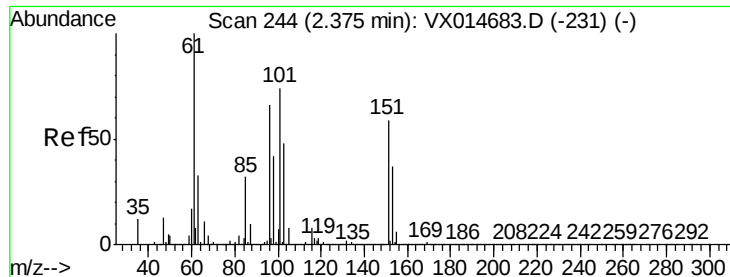


#8

Diethyl Ether  
Concen: 46.729 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion: 74 Resp: 148556  
Ion Ratio Lower Upper  
74 100  
45 98.1 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.906 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX014768.D

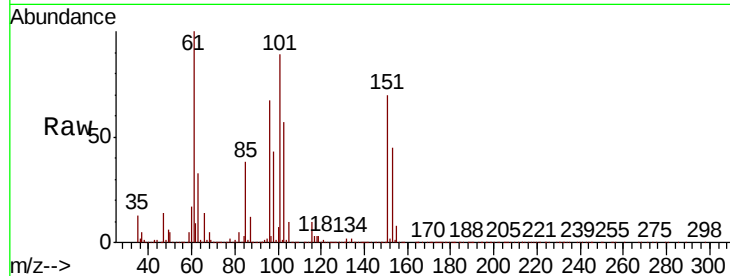
Acq: 30 Jan 2020 10:17

Instrument :

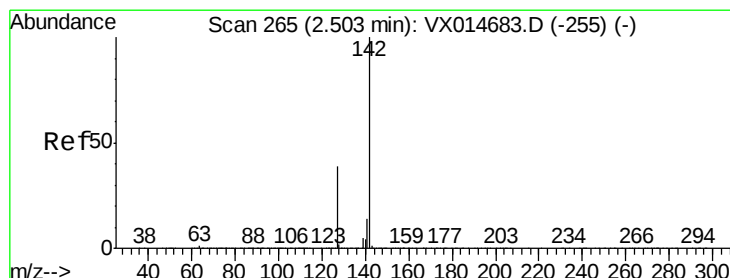
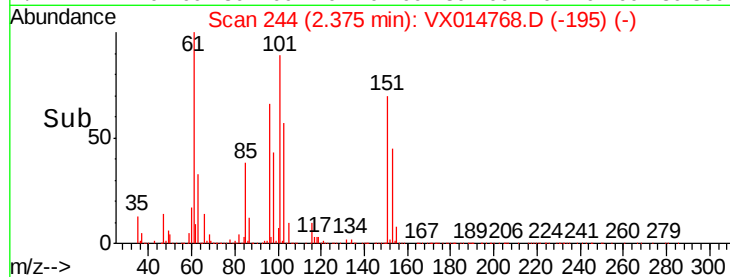
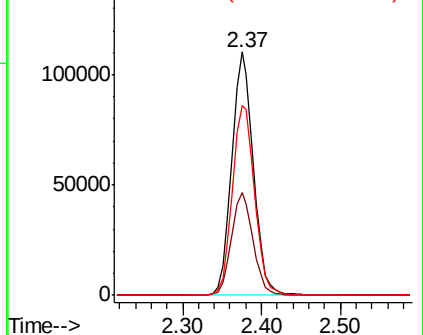
MSVOA\_X

ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 101   | Resp: | 209106 |
| Ion      | Ratio | Lower | Upper  |
| 101      | 100   |       |        |
| 85       | 42.1  | 34.7  | 52.1   |
| 151      | 80.5  | 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: 49.630 ug/l

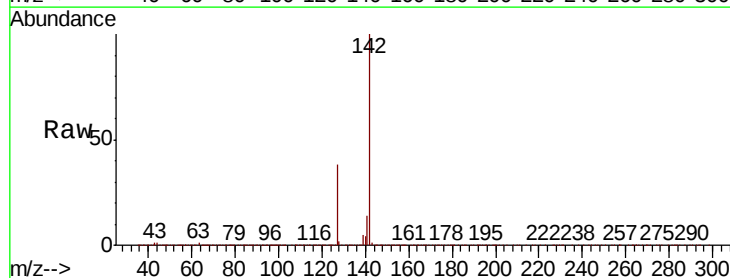
RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

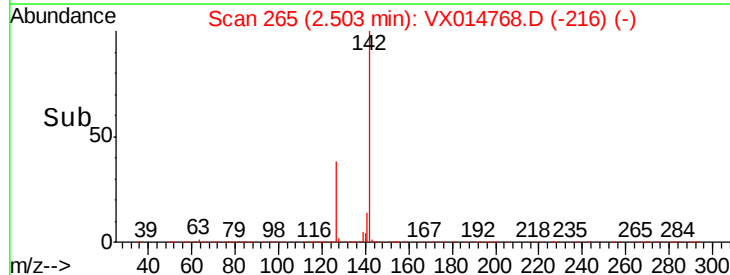
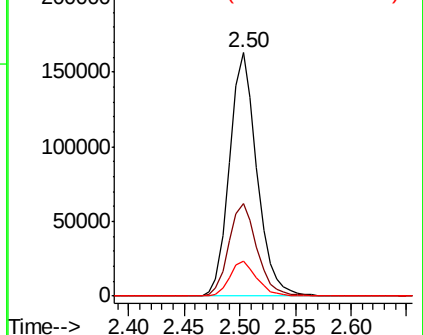
Lab File: VX014768.D

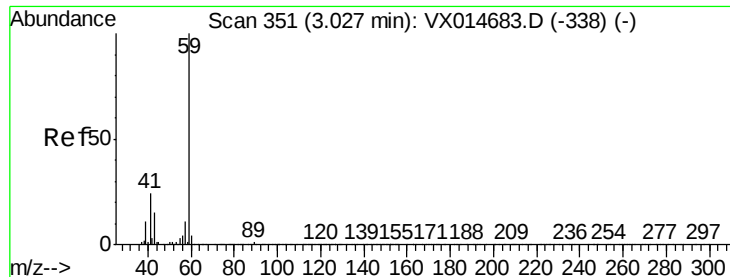
Acq: 30 Jan 2020 10:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 278440 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 127      | 39.3  | 31.1  | 46.7   |
| 141      | 14.1  | 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

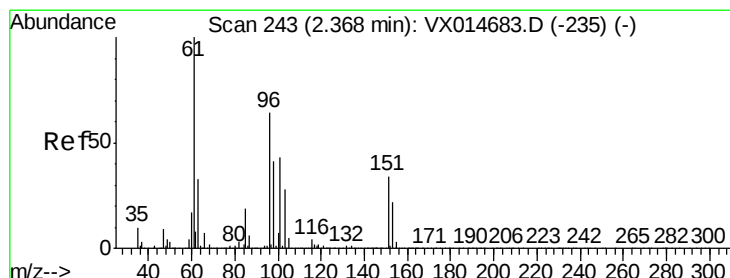
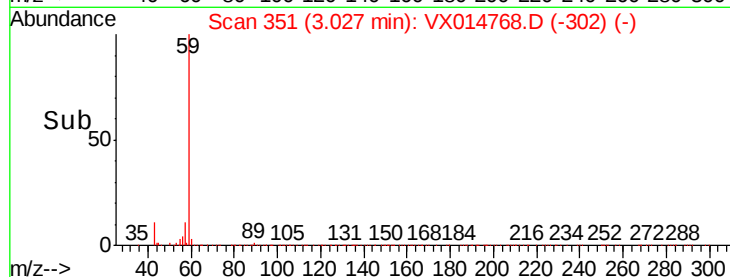
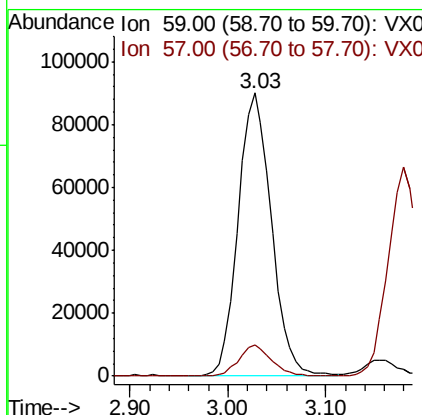
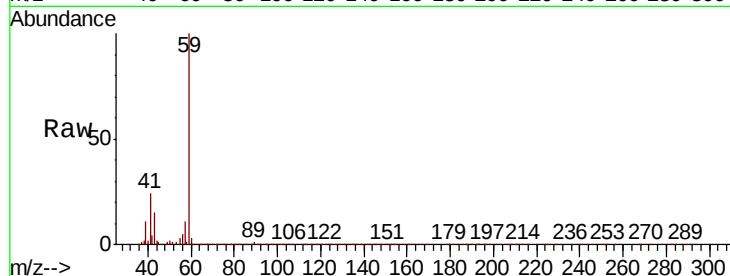




#11  
Tert butyl alcohol  
Concen: 189.458 ug/l  
RT: 3.03 min Scan# 351  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

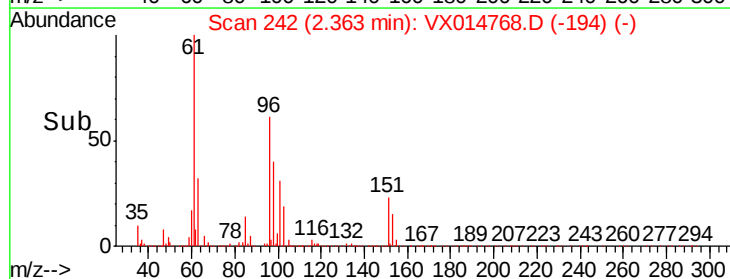
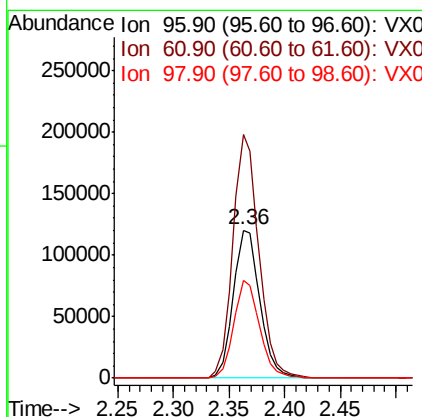
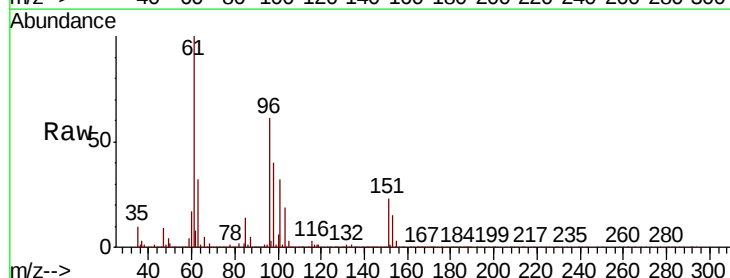
Instrument :  
MSVOA\_X  
ClientSampleId :

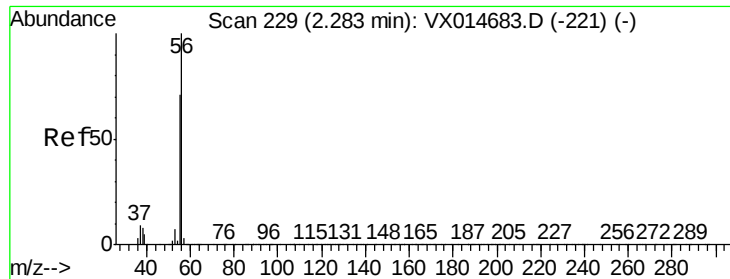
Tot Ion: 59 Resp: 212414  
Ion Ratio Lower Upper  
59 100  
57 10.3 8.3 12.5



#12  
1,1-Dichloroethene  
Concen: 46.622 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion: 96 Resp: 198194  
Ion Ratio Lower Upper  
96 100  
61 164.5 125.8 188.8  
98 65.7 51.5 77.3

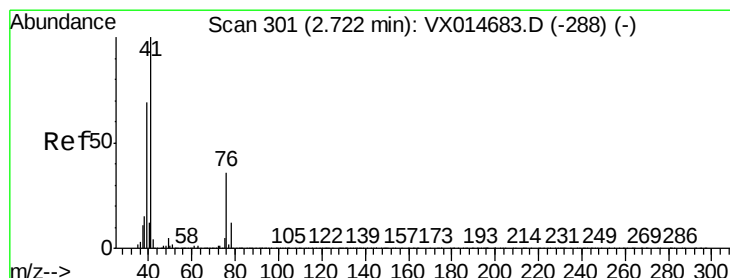
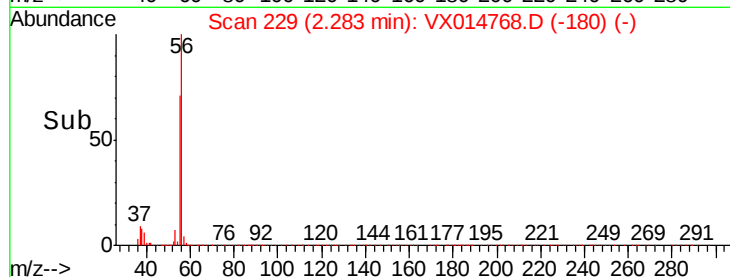
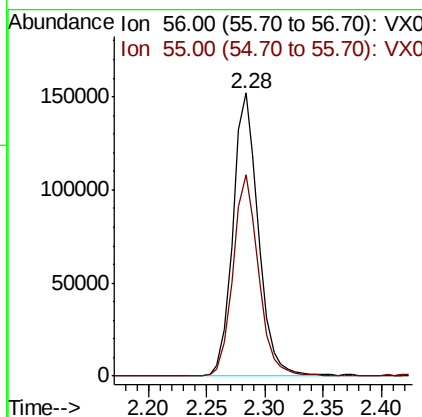
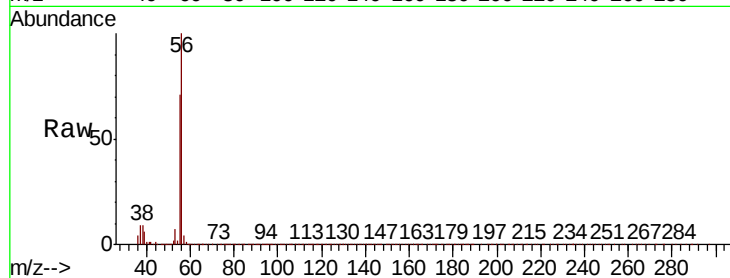




#13  
Acrolein  
Concen: 260.675 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

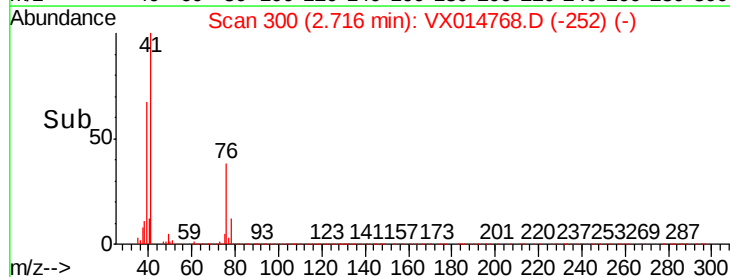
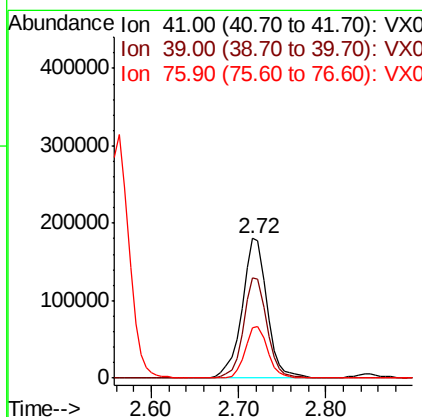
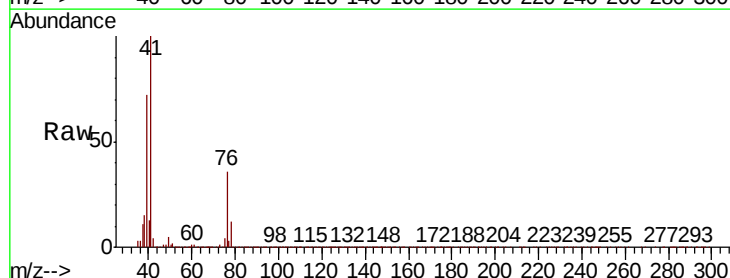
Instrument :  
MSVOA\_X  
ClientSampleId :

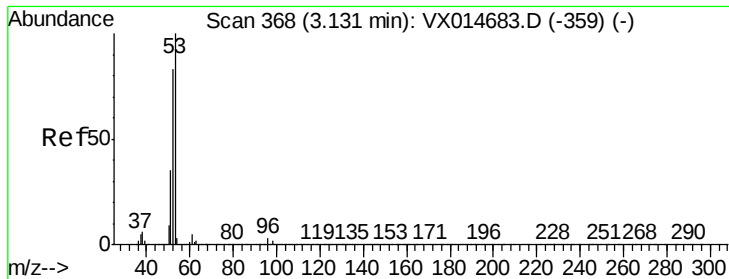
Tot Ion: 56 Resp: 230440  
Ion Ratio Lower Upper  
56 100  
55 70.9 56.6 84.8



#14  
Allyl chloride  
Concen: 46.672 ug/l  
RT: 2.72 min Scan# 300  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion: 41 Resp: 356629  
Ion Ratio Lower Upper  
41 100  
39 66.7 52.0 78.0  
76 33.4 26.0 39.0





#15

Acrylonitrile

Concen: 225.050 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

ClientSampleId :

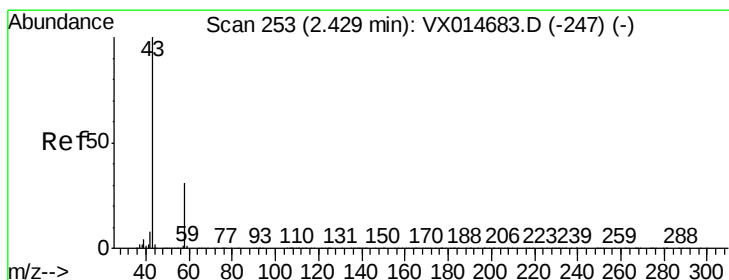
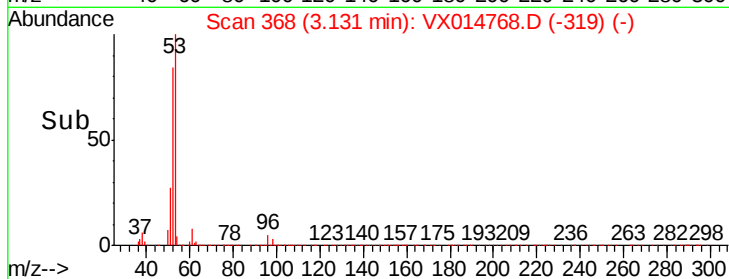
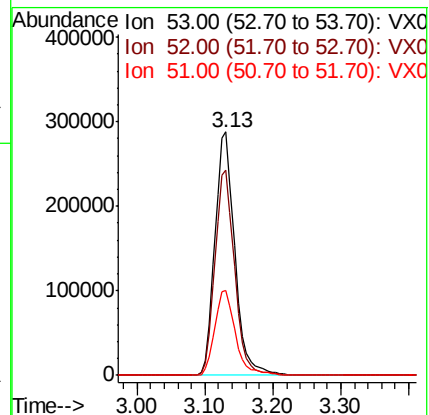
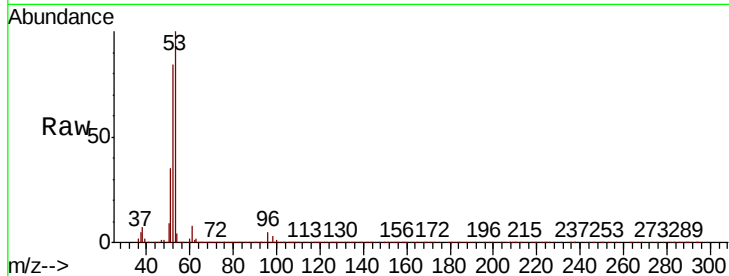
Tot Ion: 53 Resp: 583805

Ion Ratio Lower Upper

53 100

52 83.2 66.4 99.6

51 36.0 28.7 43.1



#16

Acetone

Concen: 239.378 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014768.D

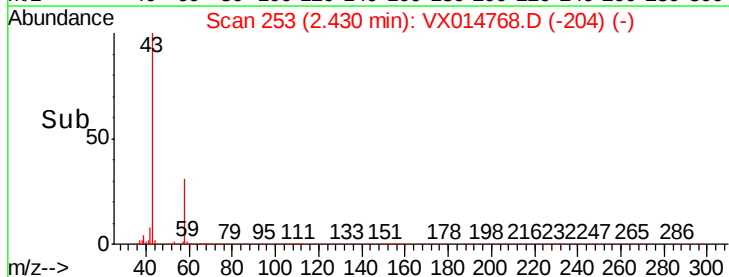
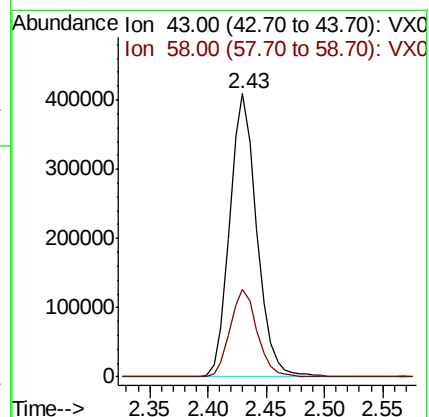
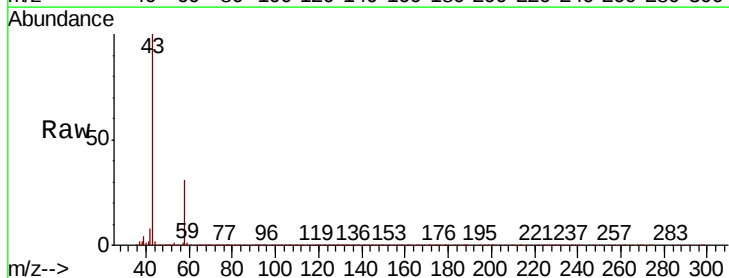
Acq: 30 Jan 2020 10:17

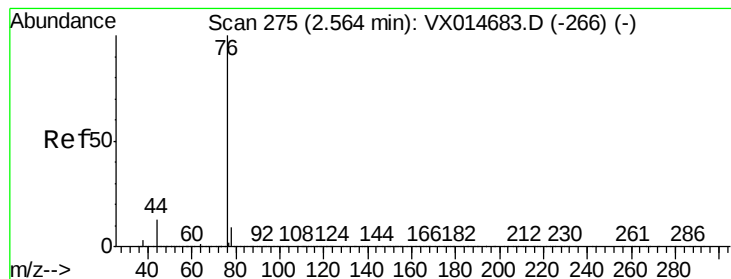
Tgt Ion: 43 Resp: 655147

Ion Ratio Lower Upper

43 100

58 31.1 24.5 36.7





#17

Carbon Disulfide

Concen: 44.491 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

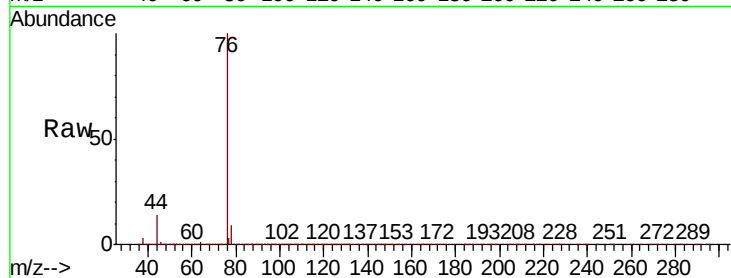
ClientSampleId :

Tot Ion: 76 Resp: 516928

Ion Ratio Lower Upper

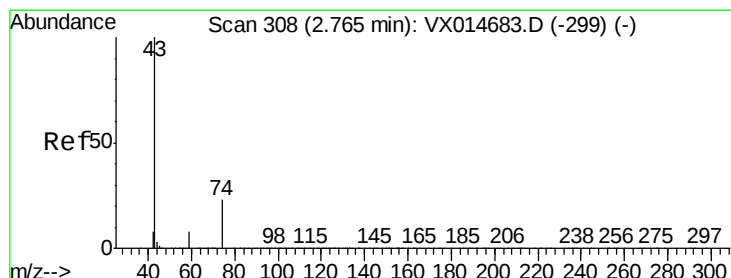
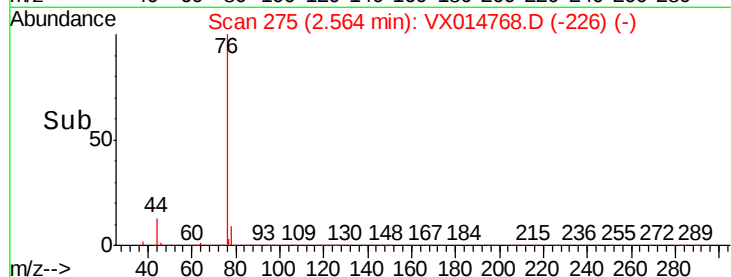
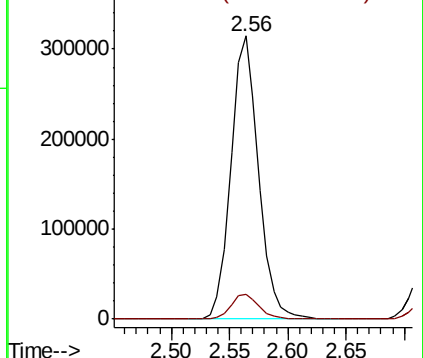
76 100

78 8.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 45.414 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014768.D

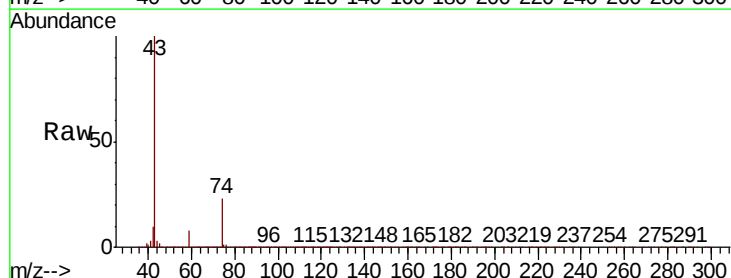
Acq: 30 Jan 2020 10:17

Tgt Ion: 43 Resp: 354795

Ion Ratio Lower Upper

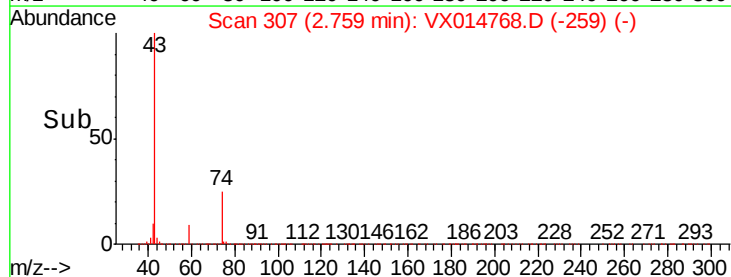
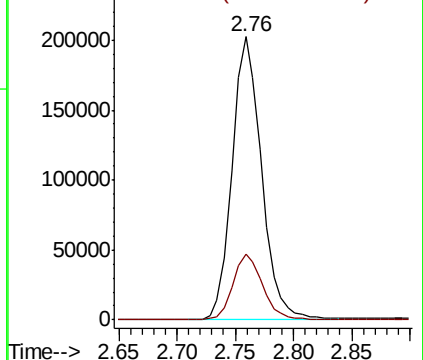
43 100

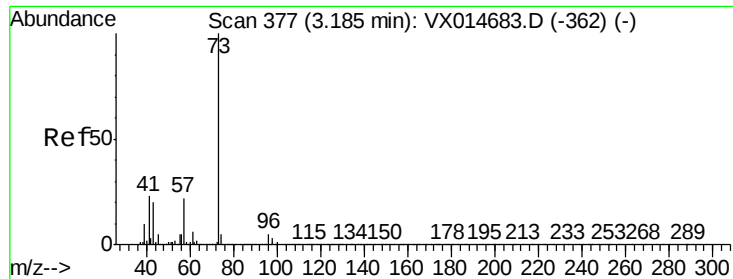
74 23.4 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

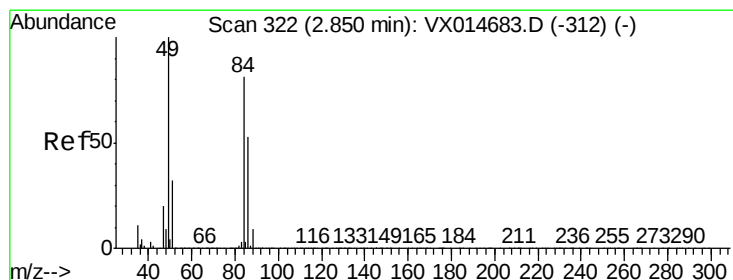
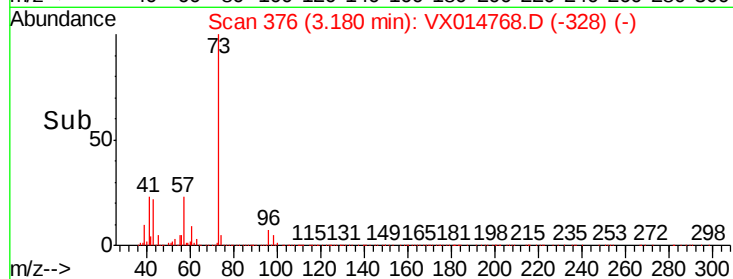
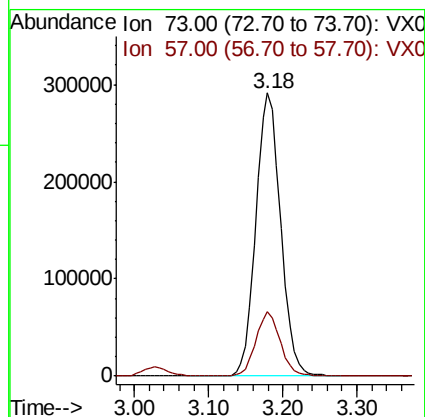
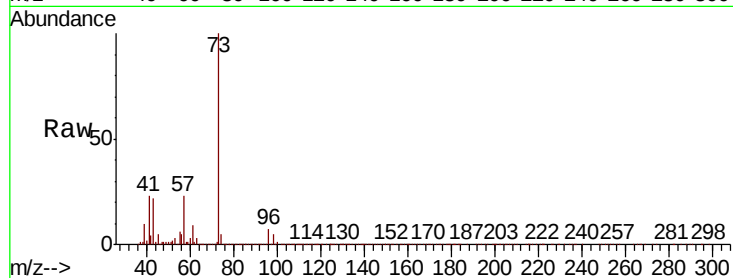




#19  
Methvl tert-butvl Ether  
Concen: 48.751 ug/l  
RT: 3.18 min Scan# 376  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

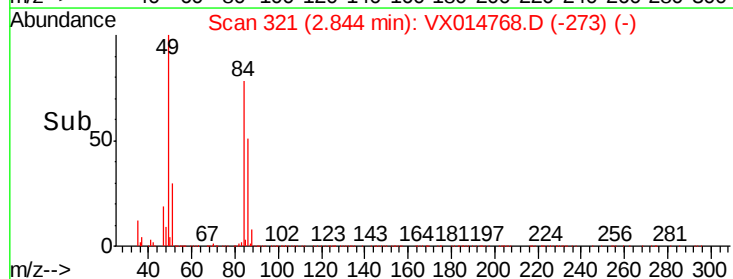
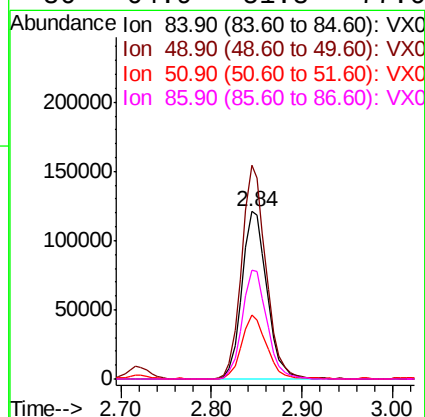
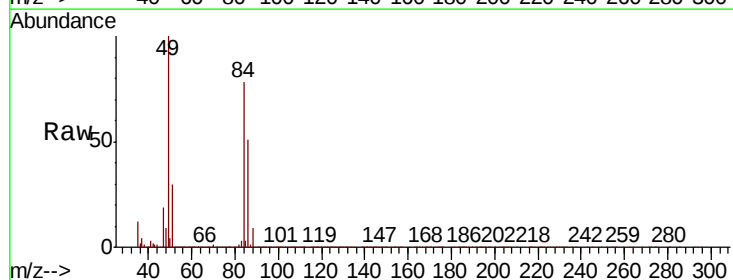
Instrument :  
MSVOA\_X  
ClientSampleId :

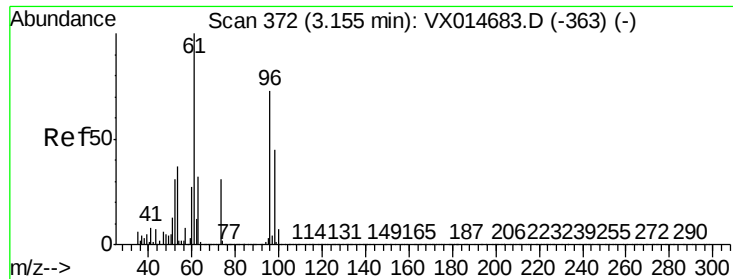
Tot Ion: 73 Resp: 678810  
Ion Ratio Lower Upper  
73 100  
57 22.7 18.0 27.0



#20  
Methylene Chloride  
Concen: 45.578 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion: 84 Resp: 230828  
Ion Ratio Lower Upper  
84 100  
49 127.4 98.2 147.4  
51 37.6 31.3 46.9  
86 64.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 45.996 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

ClientSampleId :

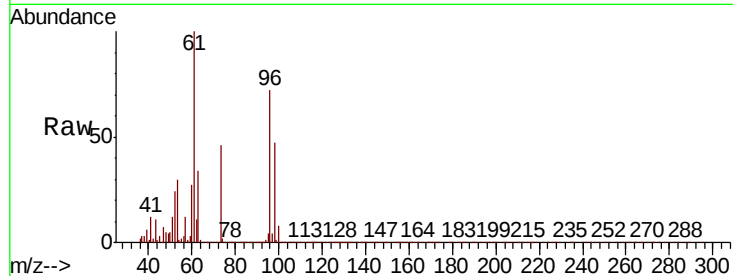
Tot Ion: 96 Resp: 215297

Ion Ratio Lower Upper

96 100

61 138.9 109.8 164.6

98 65.2 49.6 74.4

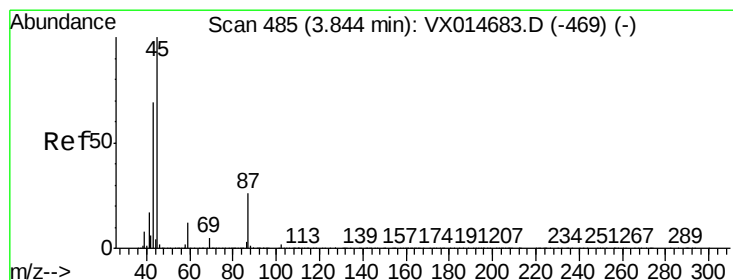
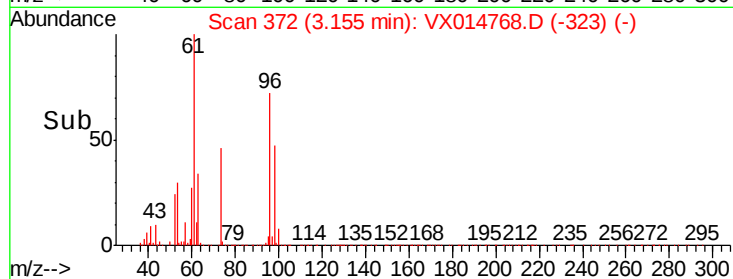
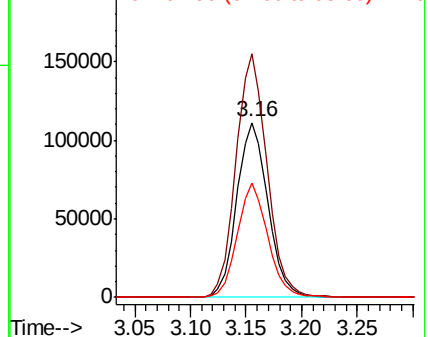


Abundance

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: 49.342 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Tgt Ion: 45 Resp: 750112

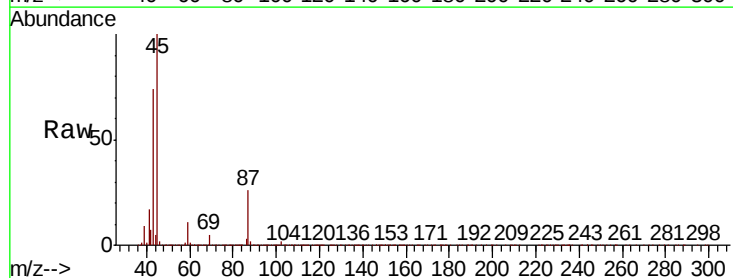
Ion Ratio Lower Upper

45 100

43 73.9 55.1 82.7

87 26.2 20.7 31.1

59 10.7 9.2 13.8



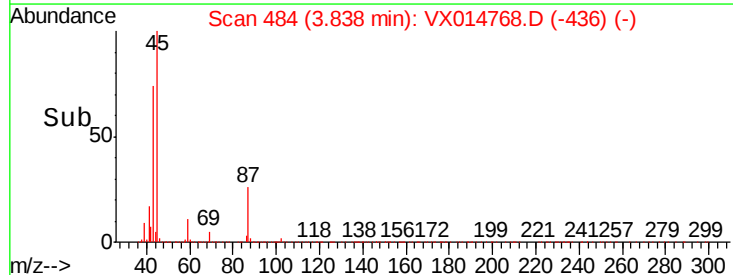
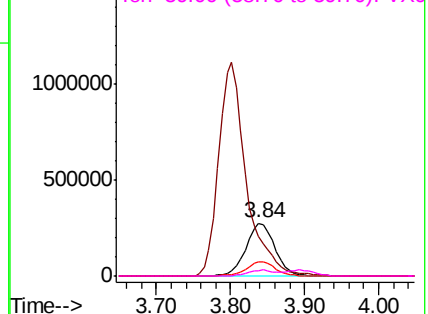
Abundance

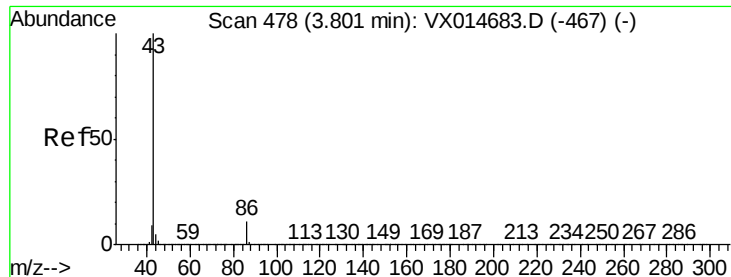
Ion 45.00 (44.70 to 45.70): VX0

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

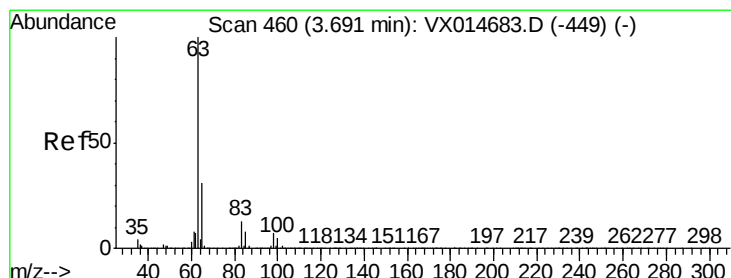
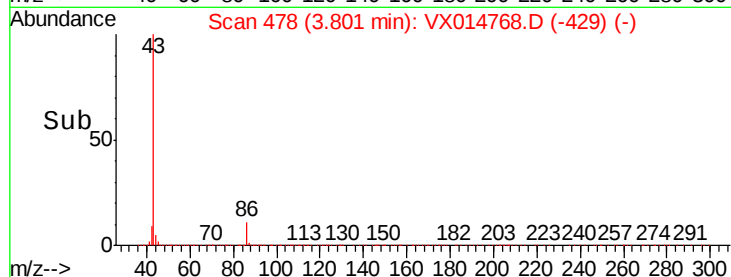
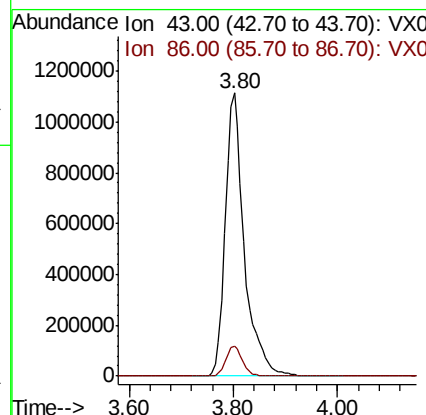
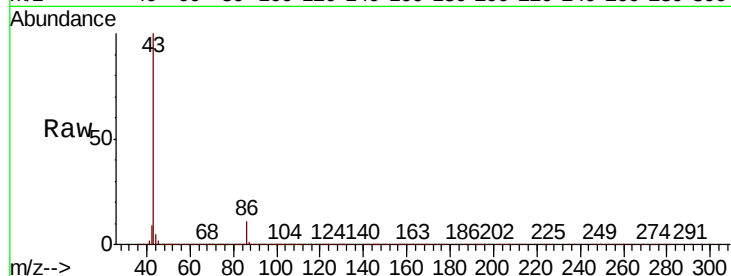




#23  
 Vinyl Acetate  
 Concen: 247.970 ug/l  
 RT: 3.80 min Scan# 478  
 Delta R.T. 0.00 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

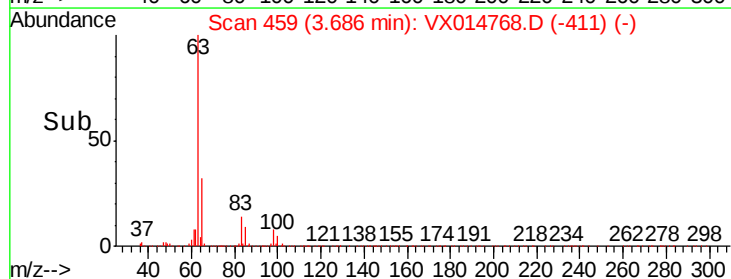
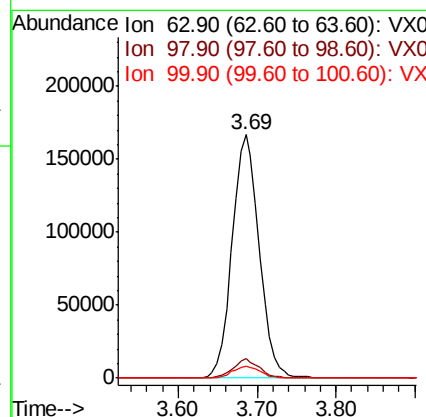
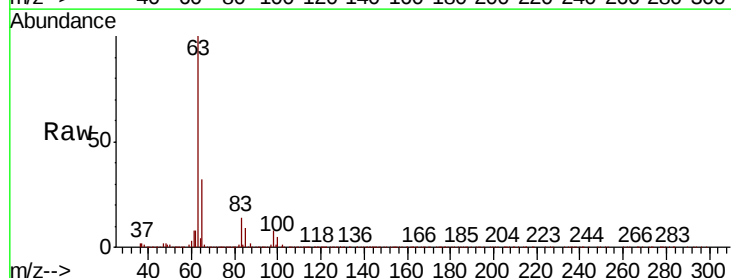
Instrument :  
 MSVOA\_X  
 ClientSampleId :

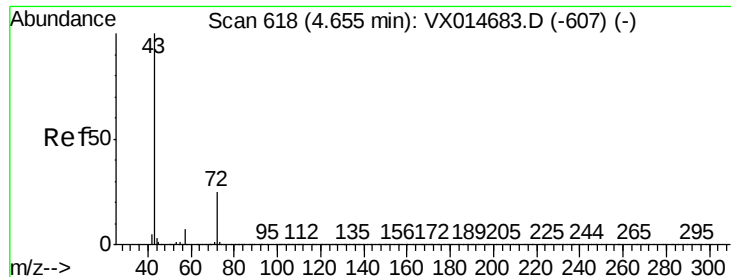
Tot Ion: 43 Resp: 2873634  
 Ion Ratio Lower Upper  
 43 100  
 86 10.7 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 48.147 ug/l  
 RT: 3.69 min Scan# 459  
 Delta R.T. -0.01 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

Tgt Ion: 63 Resp: 397503  
 Ion Ratio Lower Upper  
 63 100  
 98 7.9 3.6 10.8  
 100 4.6 2.2 6.6

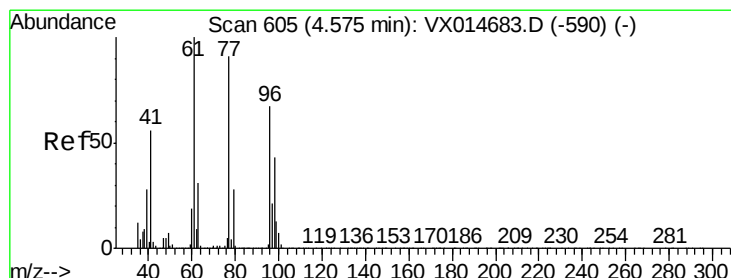
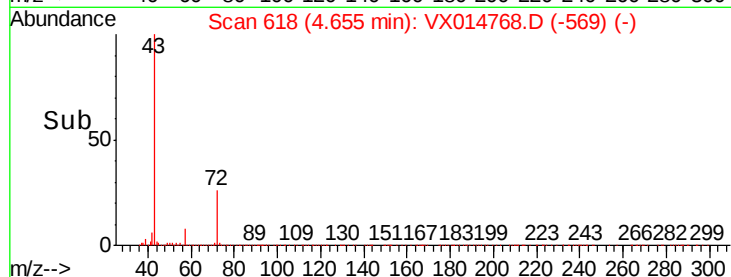
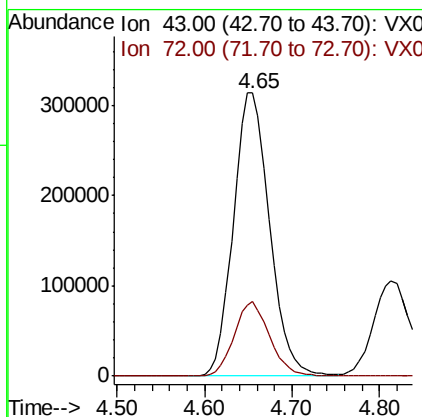
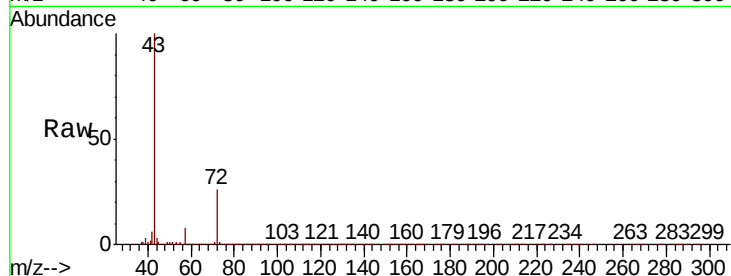




#25  
2-Butanone  
Concen: 228.428 ug/l  
RT: 4.65 min Scan# 618  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

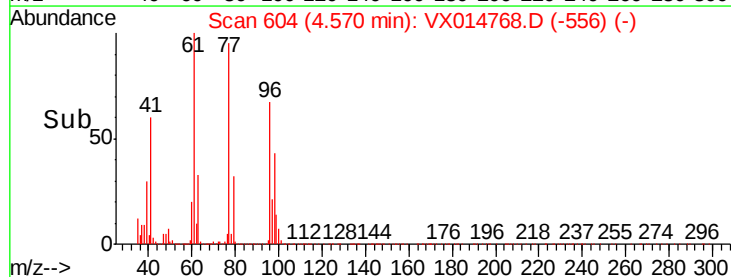
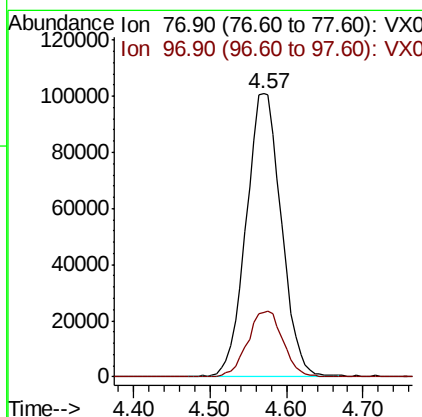
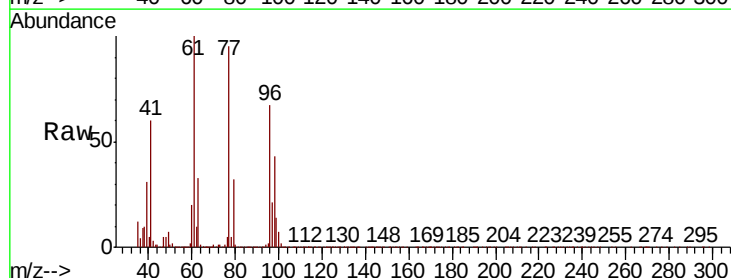
Instrument :  
MSVOA\_X  
ClientSampleId :

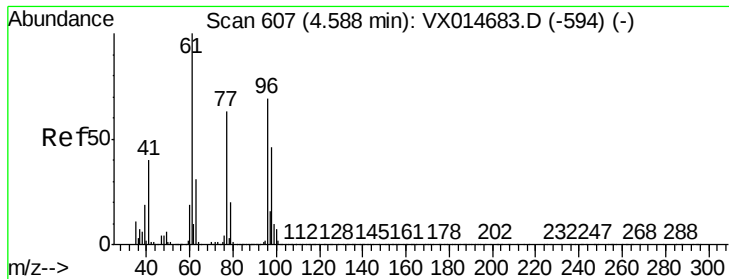
Tot Ion: 43 Resp: 895749  
Ion Ratio Lower Upper  
43 100  
72 26.1 19.9 29.9



#26  
2,2-Dichloropropane  
Concen: 48.955 ug/l  
RT: 4.57 min Scan# 604  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion: 77 Resp: 323508  
Ion Ratio Lower Upper  
77 100  
97 23.4 11.8 35.3



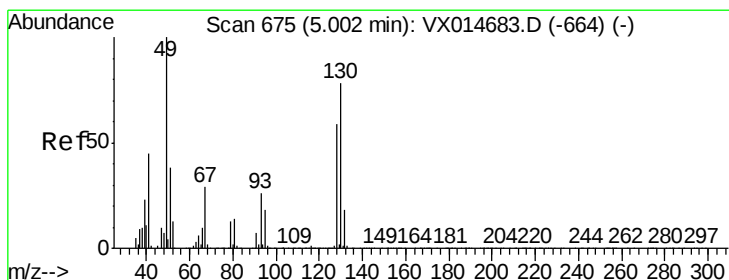
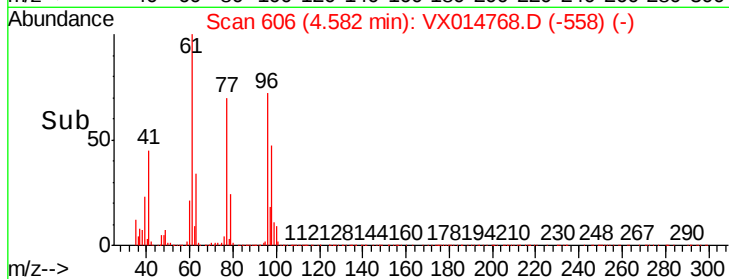
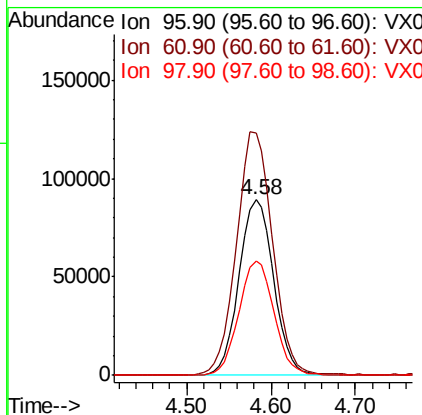
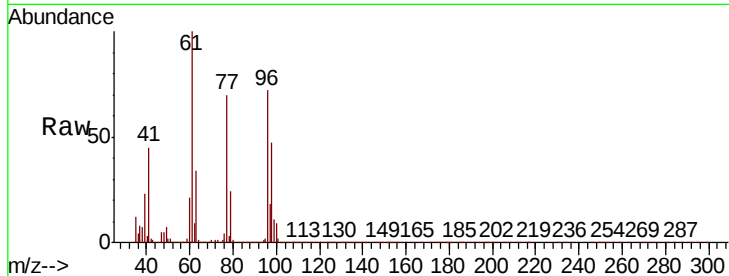


#27

cis-1,2-Dichloroethene  
 Concen: 47.556 ug/l  
 RT: 4.58 min Scan# 606  
 Delta R.T. -0.01 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :

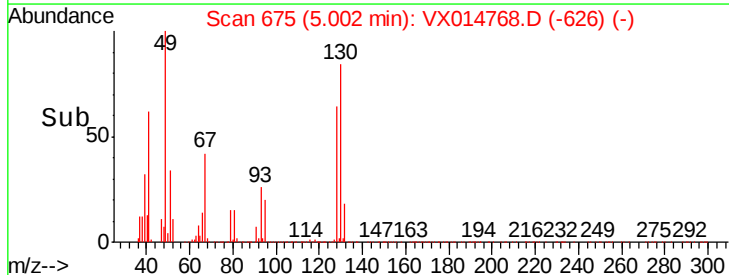
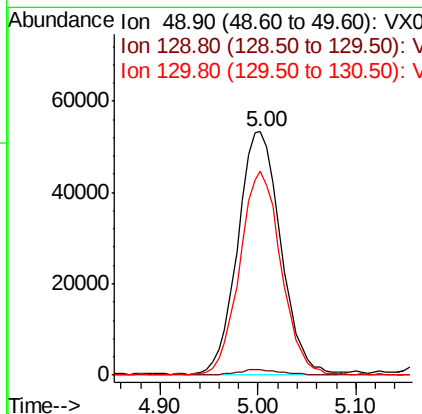
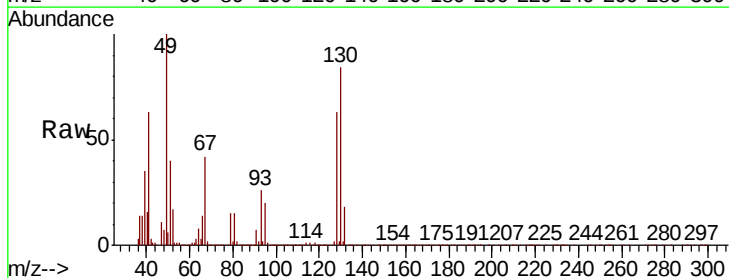
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 145.0 | 0.0   | 291.0 |
| 98      | 65.3  | 0.0   | 129.8 |

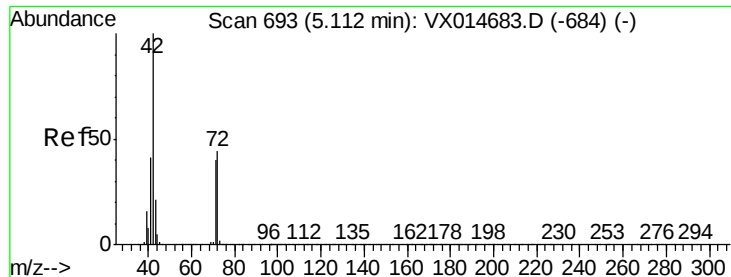


#28

Bromochloromethane  
 Concen: 44.624 ug/l  
 RT: 5.00 min Scan# 675  
 Delta R.T. 0.00 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.7   | 0.0   | 4.8   |
| 130     | 80.5  | 62.4  | 93.6  |

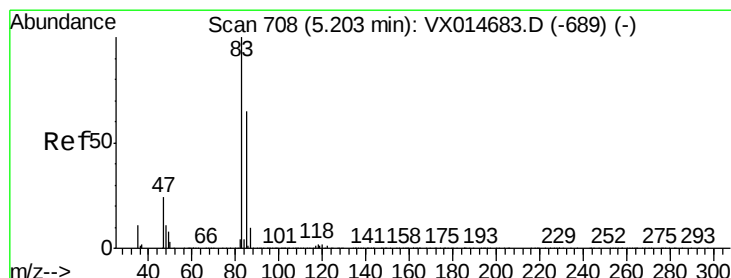
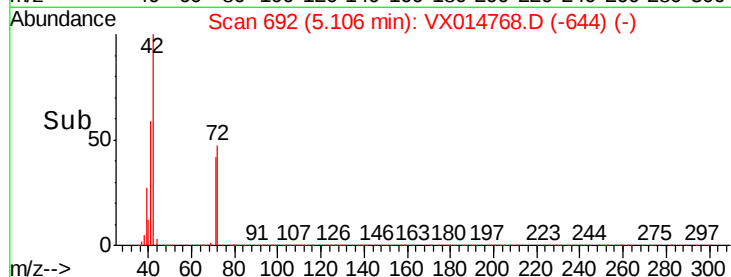
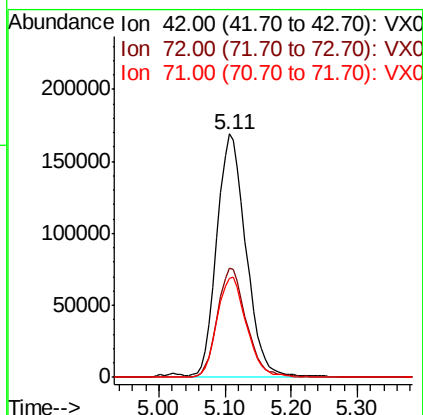
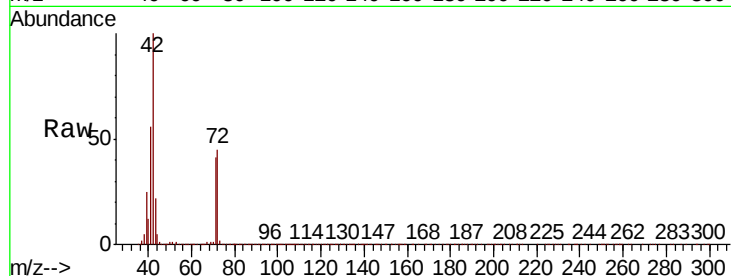




#29  
Tetrahydrofuran  
Concen: 220.251 ug/l  
RT: 5.11 min Scan# 692  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

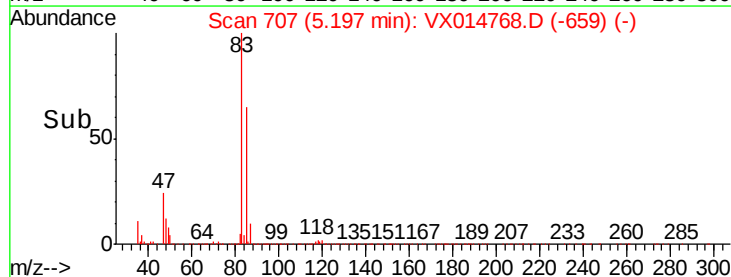
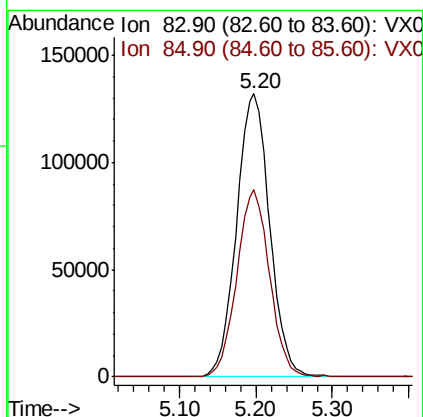
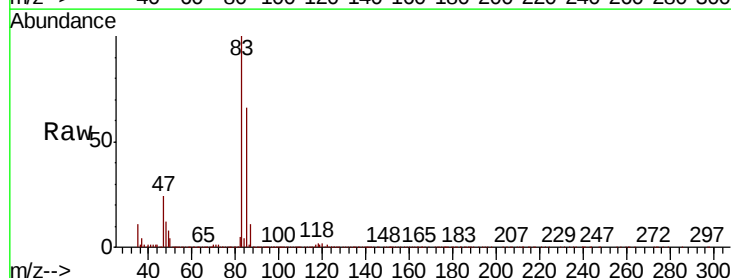
Instrument :  
MSVOA\_X  
ClientSampleId :

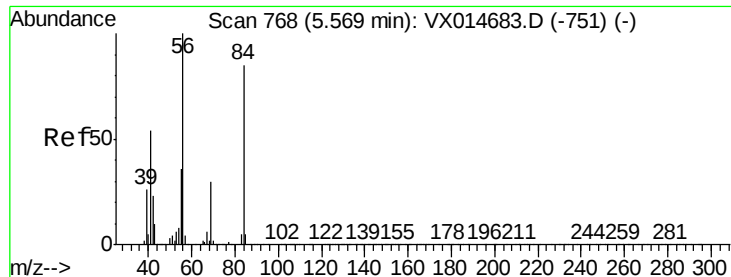
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.8  | 35.3  | 52.9  |
| 71      | 41.6  | 33.1  | 49.7  |



#30  
Chloroform  
Concen: 48.310 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.3  | 51.7  | 77.5  |

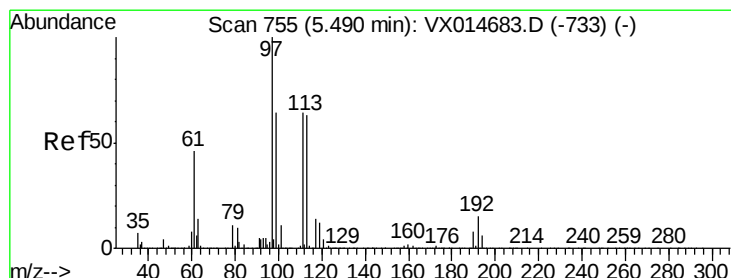
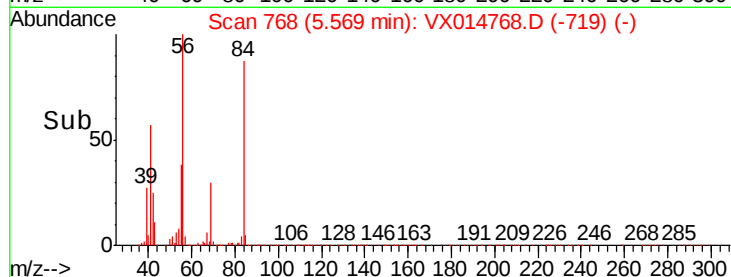
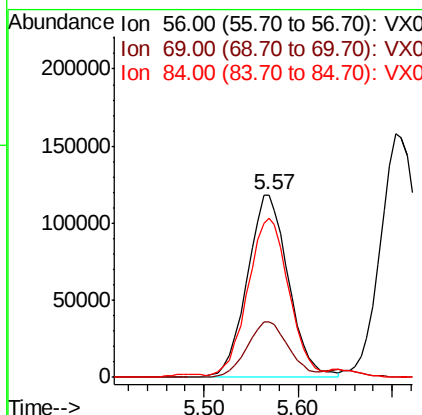
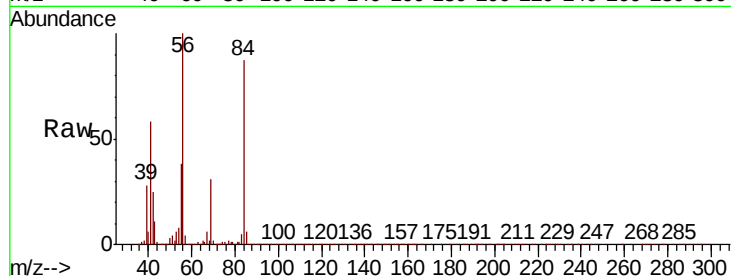




#31  
Cyclohexane  
Concen: 46.557 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

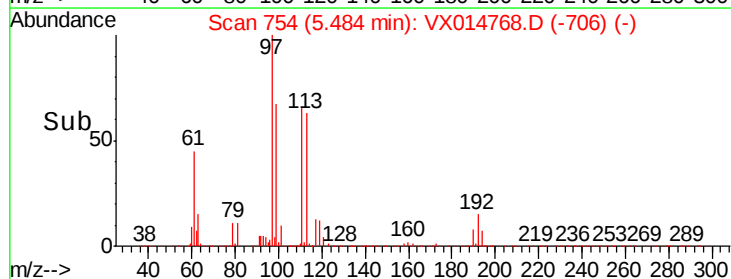
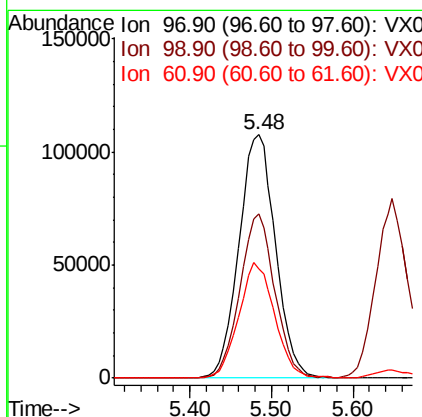
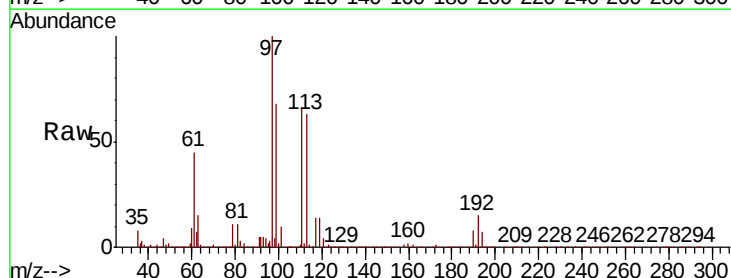
Instrument :  
MSVOA\_X  
ClientSampleId :

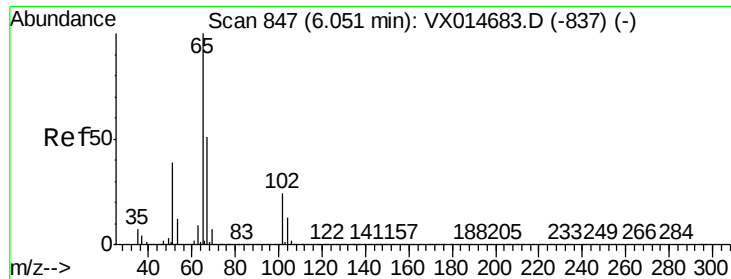
Tot Ion: 56 Resp: 361522  
Ion Ratio Lower Upper  
56 100  
69 30.4 23.4 35.2  
84 86.0 68.4 102.6



#32  
1,1,1-Trichloroethane  
Concen: 48.293 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion: 97 Resp: 333855  
Ion Ratio Lower Upper  
97 100  
99 64.2 52.3 78.5  
61 46.9 37.2 55.8

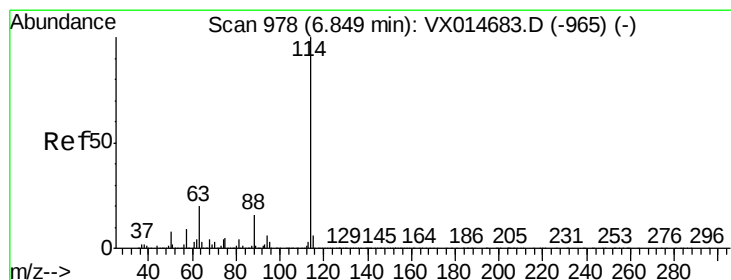
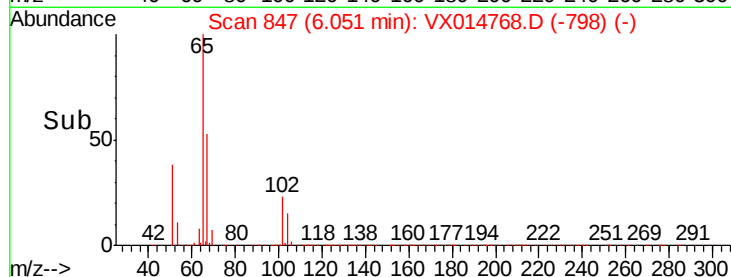
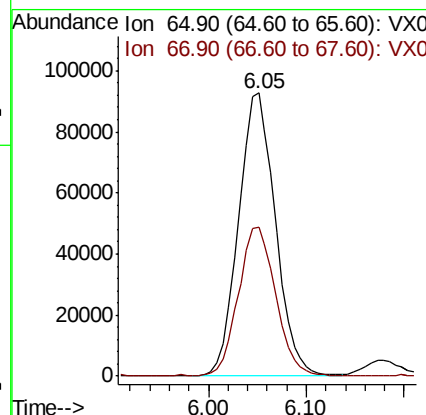
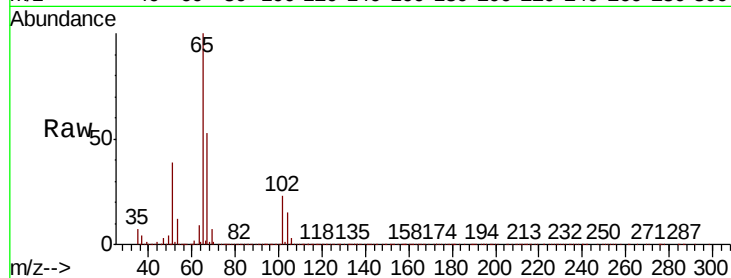




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.392 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

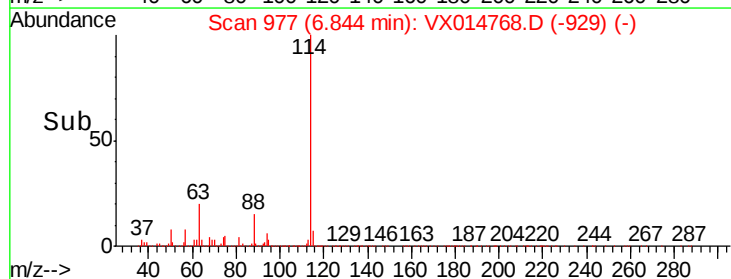
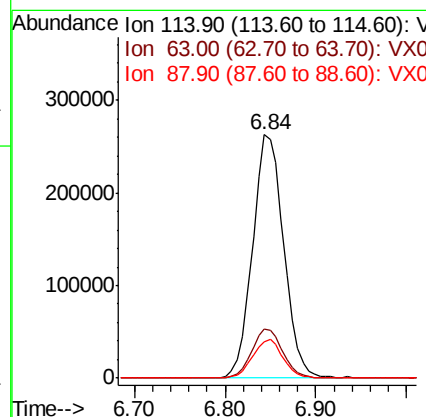
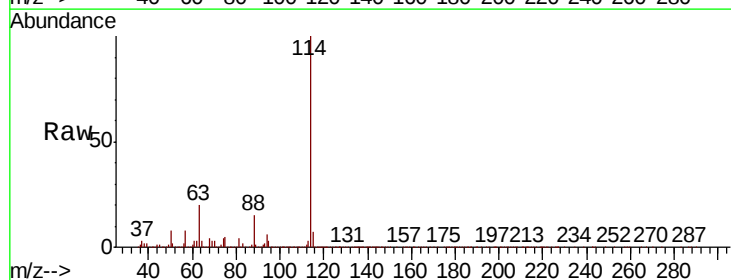
Instrument :  
 MSVOA\_X  
 ClientSampleId :

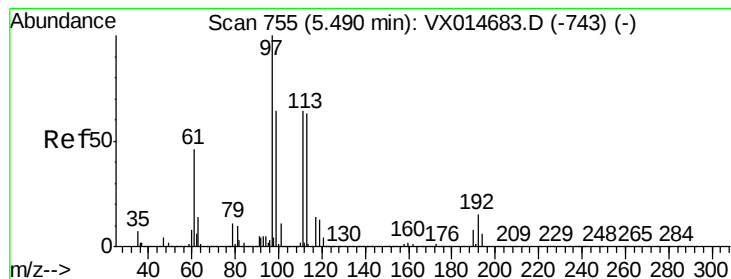
Tot Ion: 65 Resp: 241663  
 Ion Ratio Lower Upper  
 65 100  
 67 52.8 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 977  
 Delta R.T. -0.01 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

Tgt Ion: 114 Resp: 622867  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 40.6  
 88 14.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.673 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :  
MSVOA\_X  
ClientSampleId :

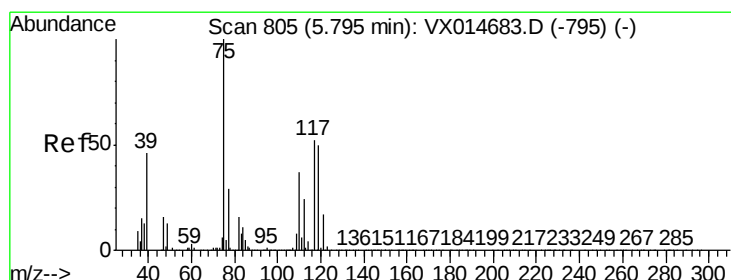
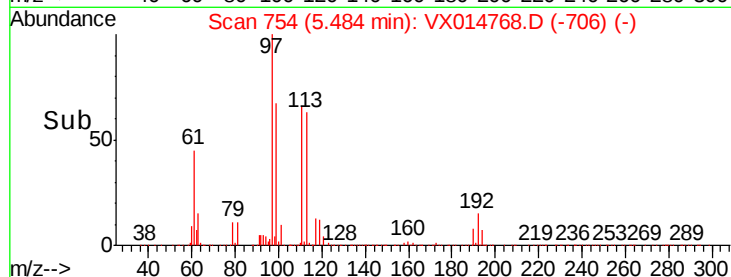
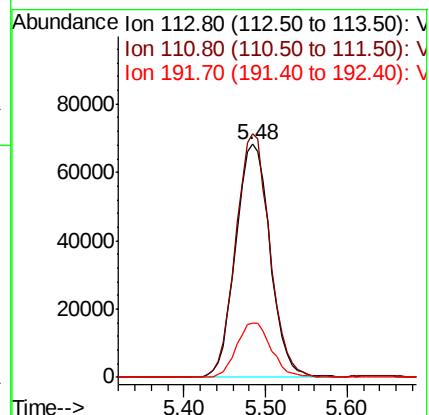
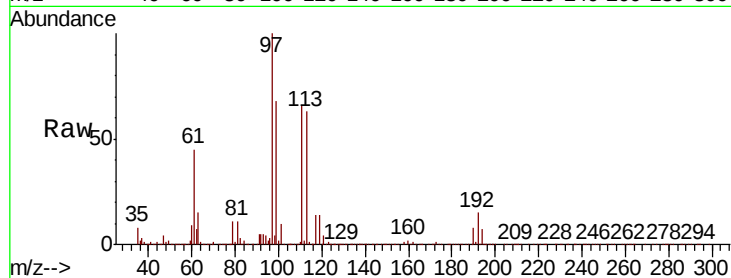
Tot Ion:113 Resp: 199159

Ion Ratio Lower Upper

113 100

111 103.1 80.7 121.1

192 23.7 18.5 27.7



#36

1,1-Dichloropropene

Concen: 50.873 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

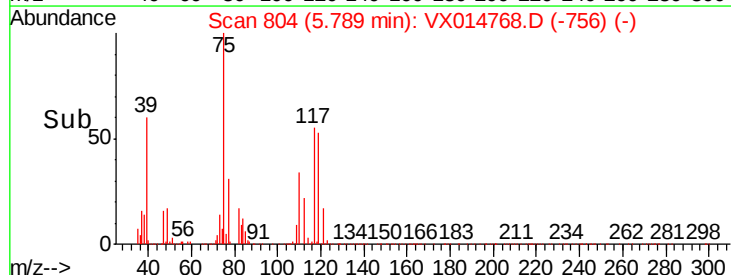
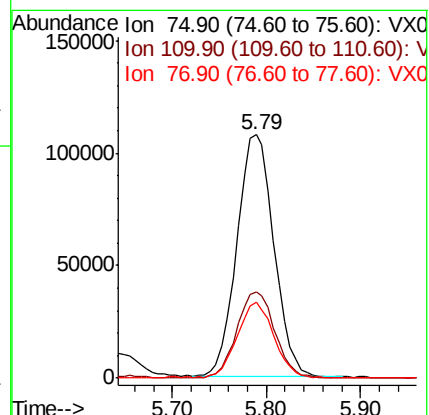
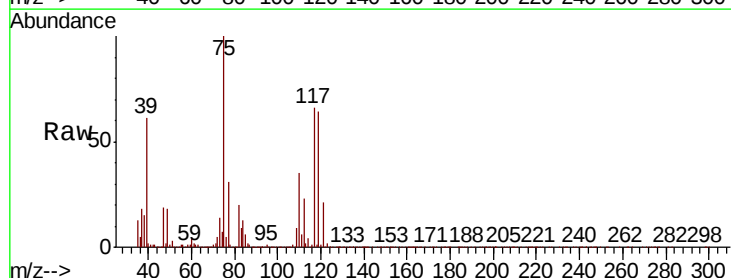
Tgt Ion: 75 Resp: 294436

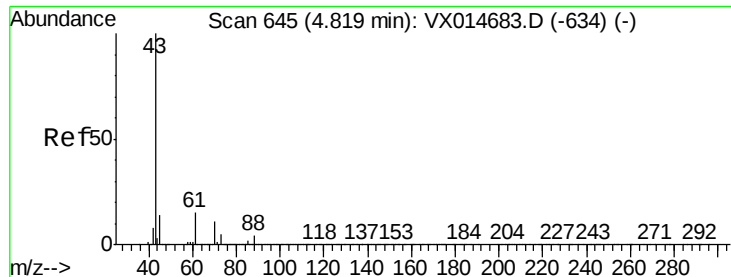
Ion Ratio Lower Upper

75 100

110 37.0 17.9 53.7

77 31.6 24.1 36.1

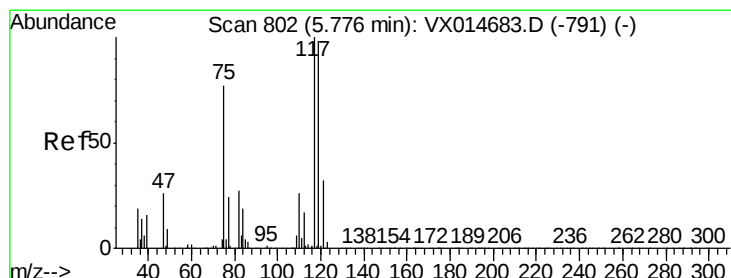
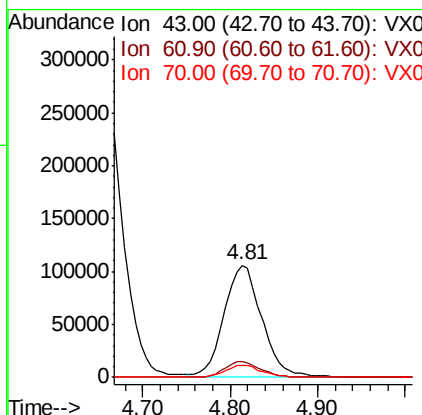
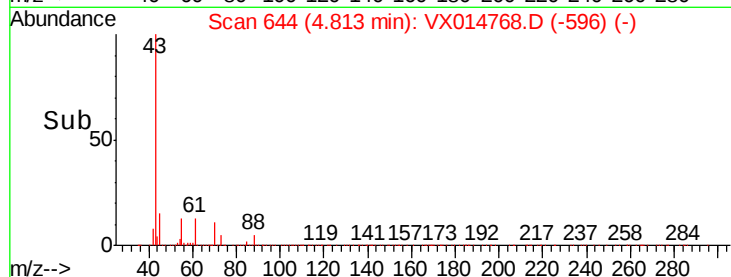
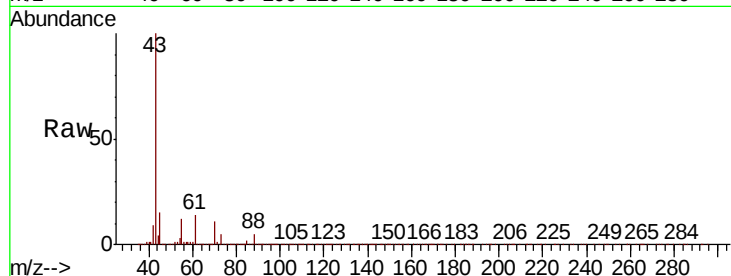




#37  
Ethyl Acetate  
Concen: 47.014 ug/l  
RT: 4.81 min Scan# 644  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

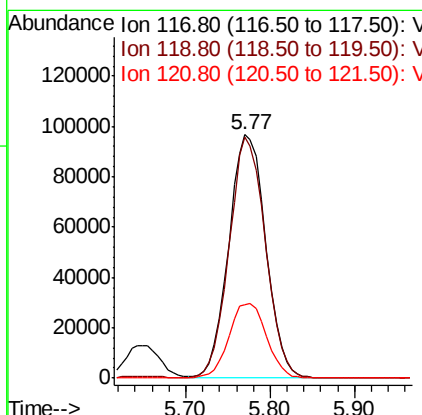
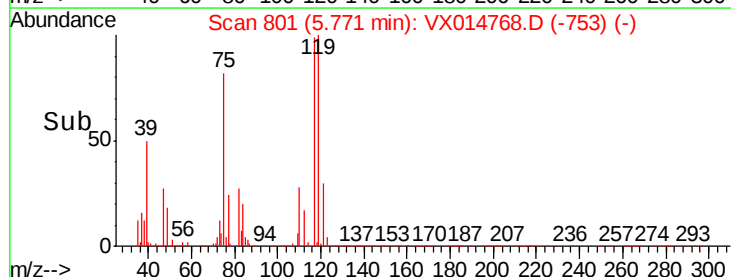
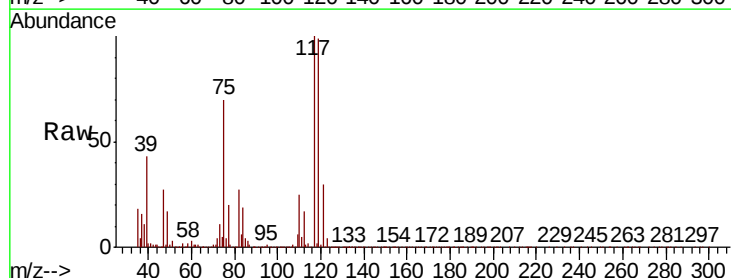
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 43 Resp: 311648  
Ion Ratio Lower Upper  
43 100  
61 13.5 11.0 16.4  
70 10.5 8.5 12.7



#38  
Carbon Tetrachloride  
Concen: 52.051 ug/l  
RT: 5.77 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion: 117 Resp: 287711  
Ion Ratio Lower Upper  
117 100  
119 98.8 77.9 116.9  
121 29.9 25.4 38.2

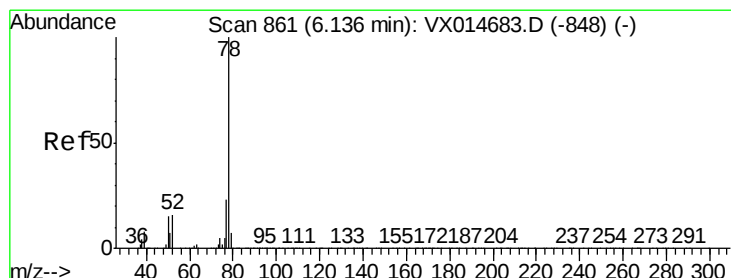
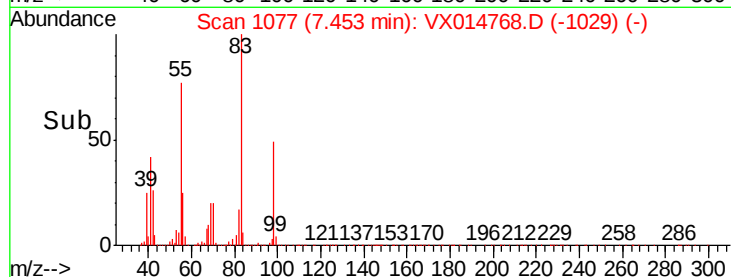
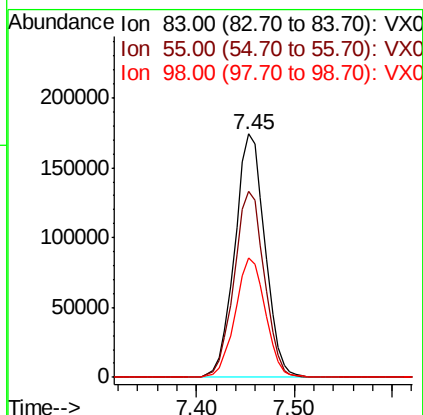
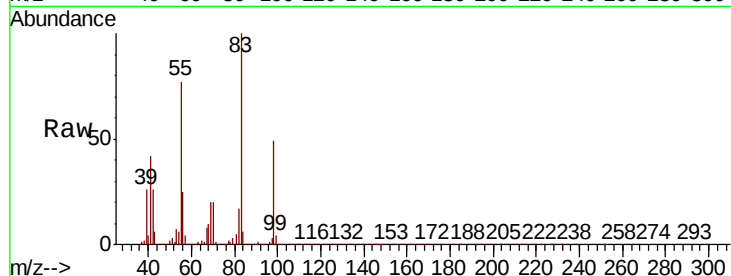




#39  
Methvlcvclohexane  
Concen: 51.343 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

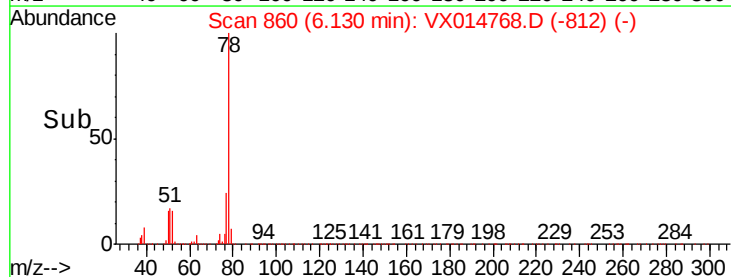
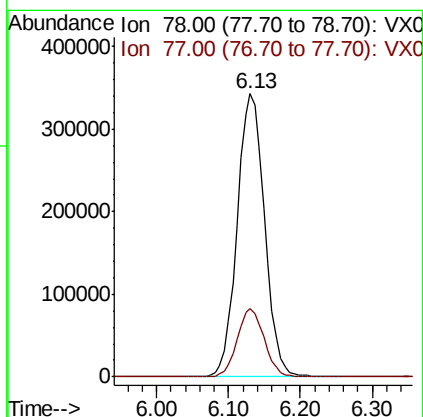
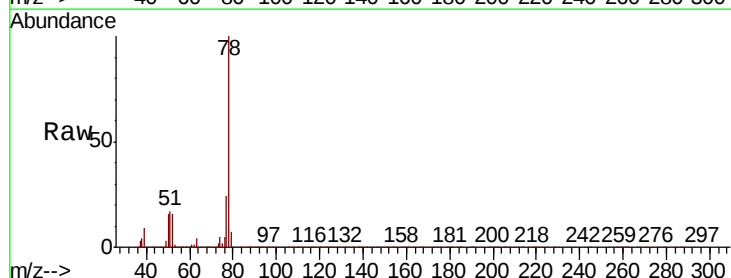
Instrument :  
MSVOA\_X  
ClientSampleId :

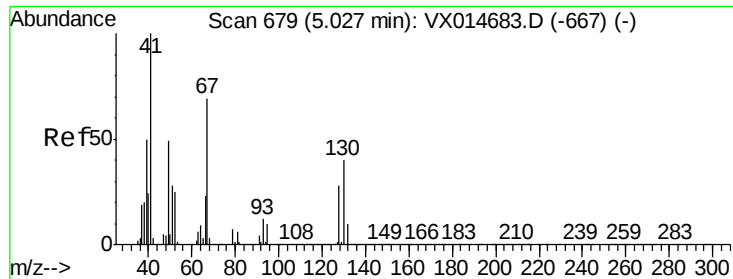
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.6  | 65.6  | 98.4  |
| 98      | 49.1  | 40.2  | 60.4  |



#40  
Benzene  
Concen: 50.461 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 18.7  | 28.1  |

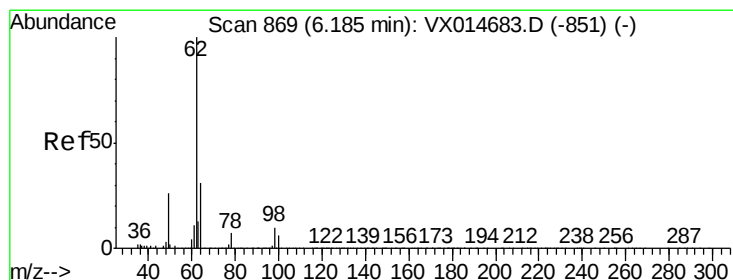
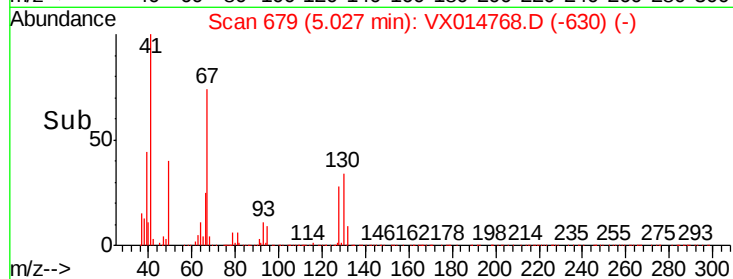
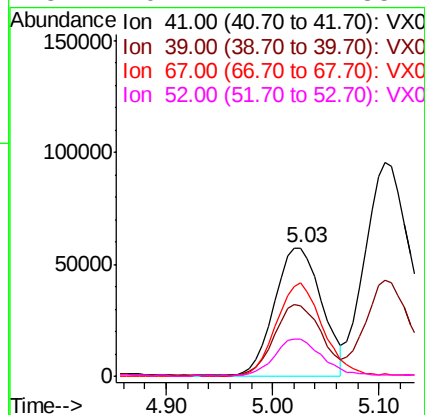
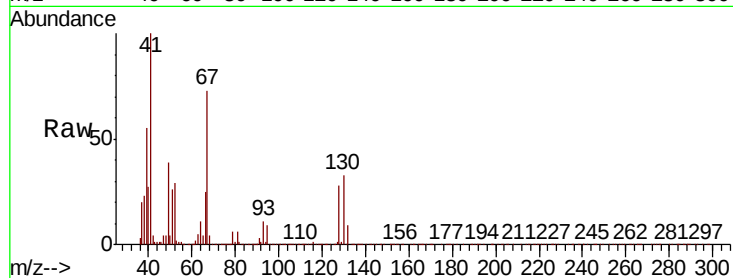




#41  
Methacrylonitrile  
Concen: 46.278 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

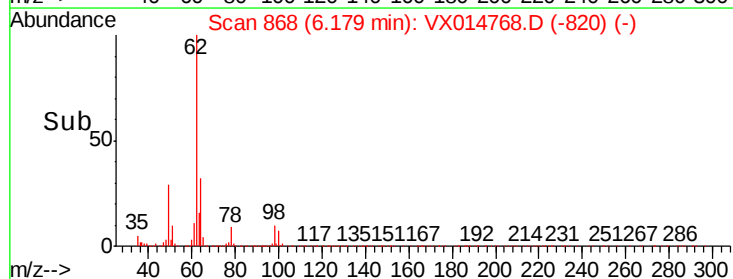
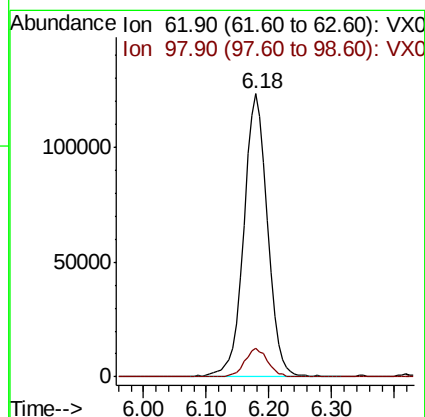
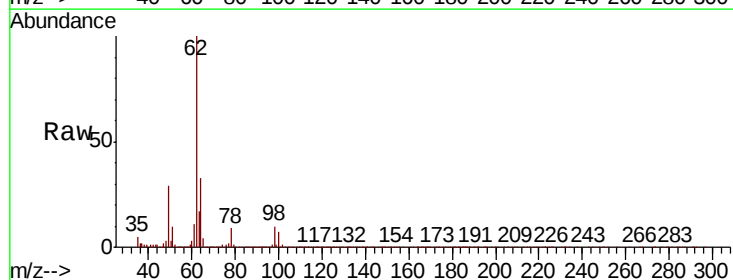
Instrument :  
MSVOA\_X  
ClientSampled :

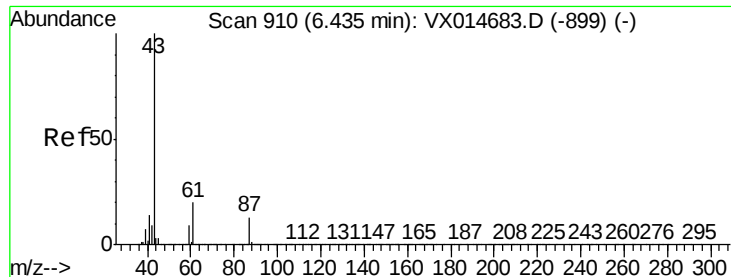
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 175085 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 55.7  | 42.2  | 63.2   |
| 67       | 71.1  | 55.4  | 83.0   |
| 52       | 29.2  | 22.1  | 33.1   |



#42  
1,2-Dichloroethane  
Concen: 52.006 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 321152 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.8   | 0.0   | 20.0   |



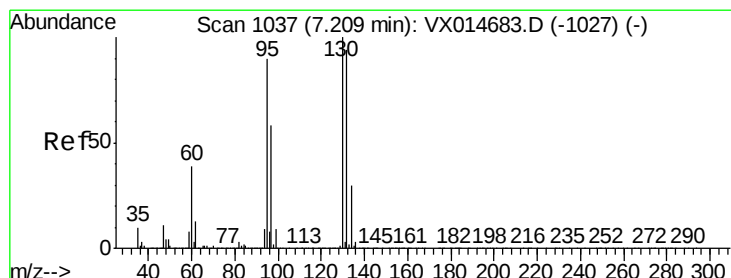
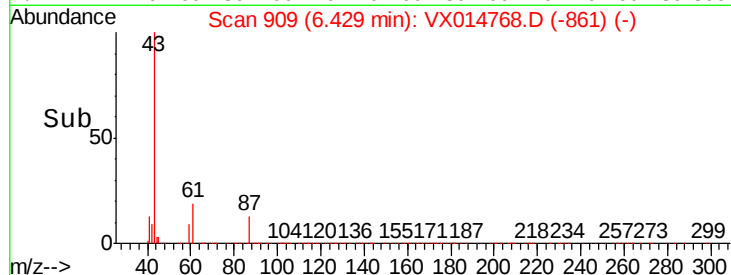
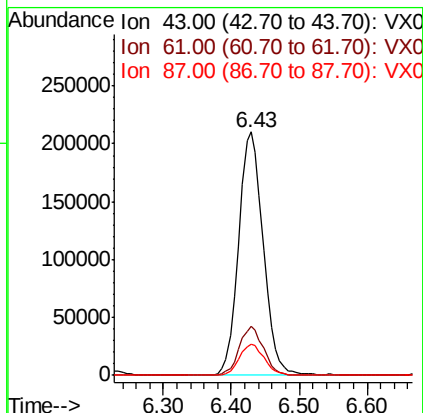
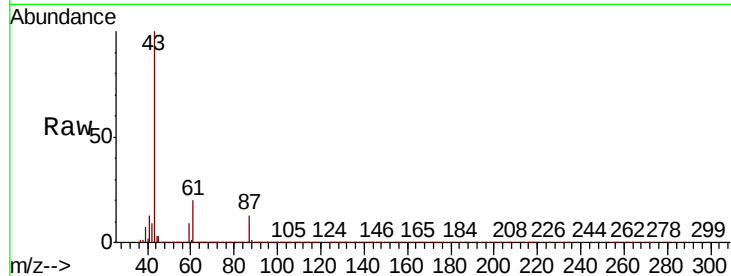


#43

Isopropyl Acetate  
 Concen: 48.331 ug/l  
 RT: 6.43 min Scan# 909  
 Delta R.T. -0.01 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

Instrument :  
 MSVOA\_X  
 ClientSampled :

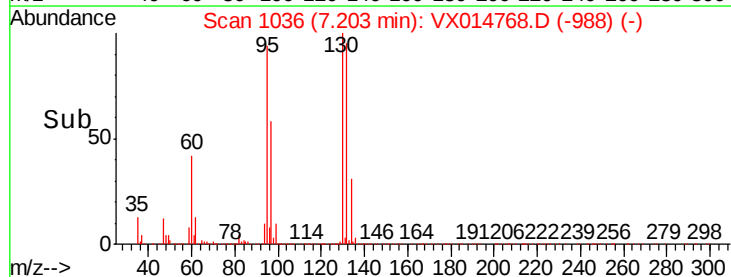
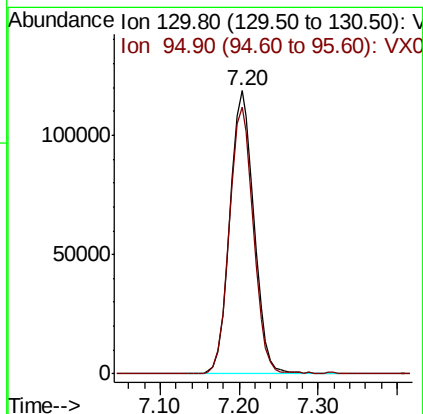
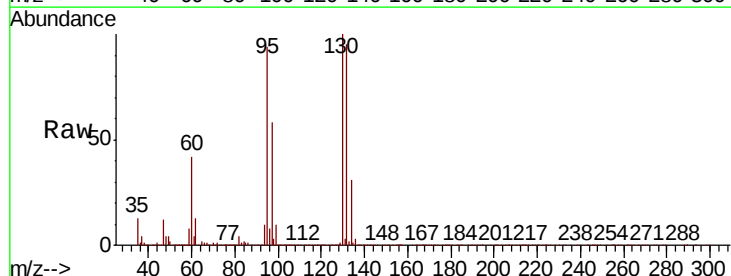
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.7  | 16.2  | 24.4  |
| 87      | 12.8  | 10.5  | 15.7  |

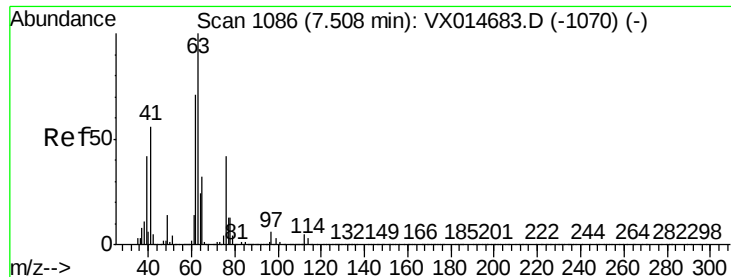


#44

Trichloroethene  
 Concen: 49.970 ug/l  
 RT: 7.20 min Scan# 1036  
 Delta R.T. -0.01 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 93.9  | 0.0   | 179.8 |





#45

1,2-Dichloropropane

Concen: 51.915 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

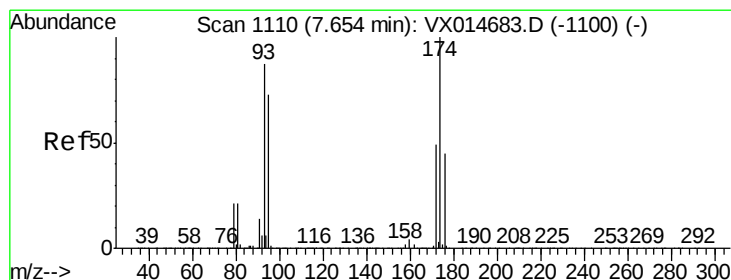
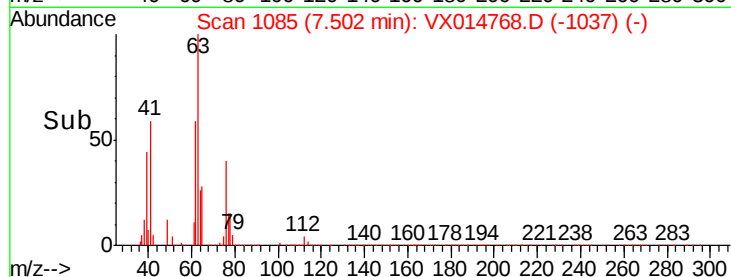
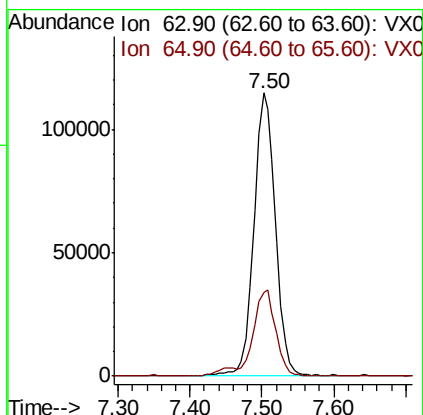
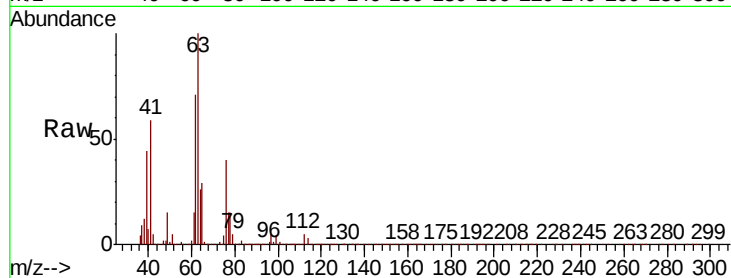
ClientSampleId :

Tot Ion: 63 Resp: 239170

Ion Ratio Lower Upper

63 100

65 29.3 25.2 37.8



#46

Dibromomethane

Concen: 51.598 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

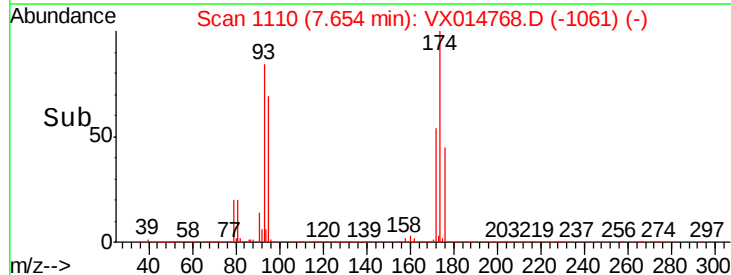
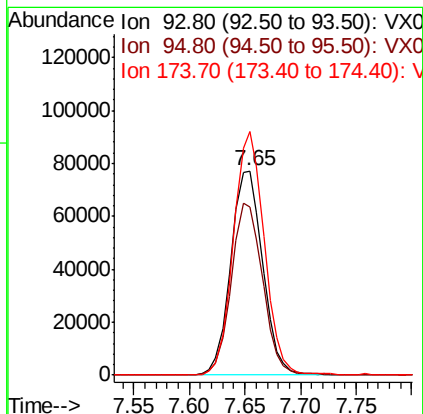
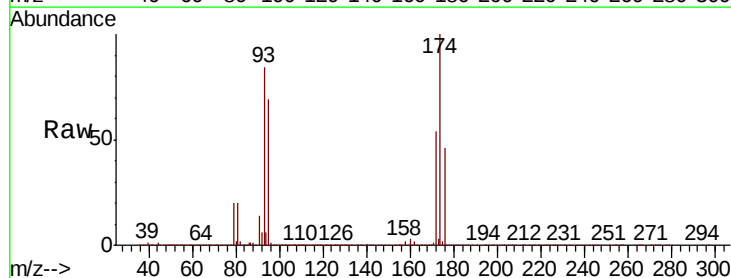
Tgt Ion: 93 Resp: 153956

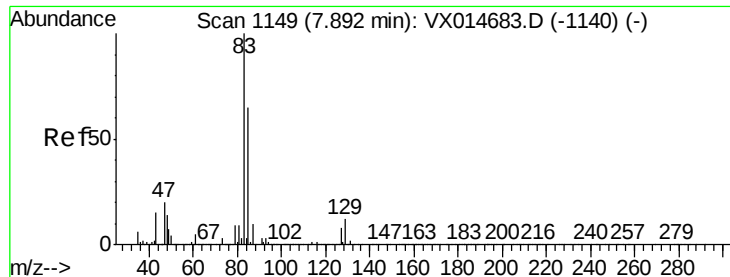
Ion Ratio Lower Upper

93 100

95 82.5 67.0 100.4

174 115.3 90.2 135.2





#47

Bromodichloromethane

Concen: 53.198 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :  
MSVOA\_X  
ClientSampleId :

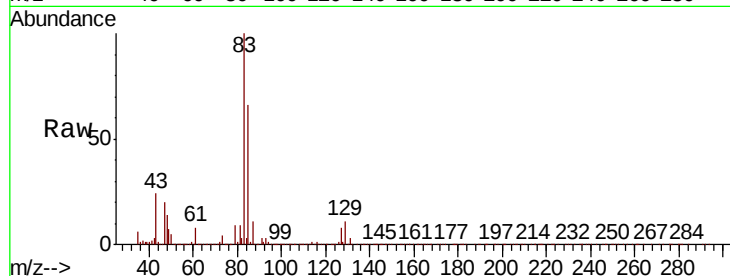
Tot Ion: 83 Resp: 311322

Ion Ratio Lower Upper

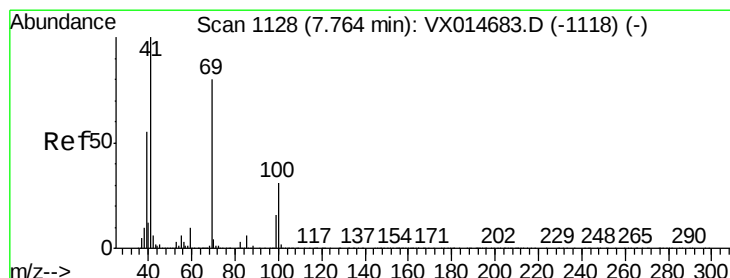
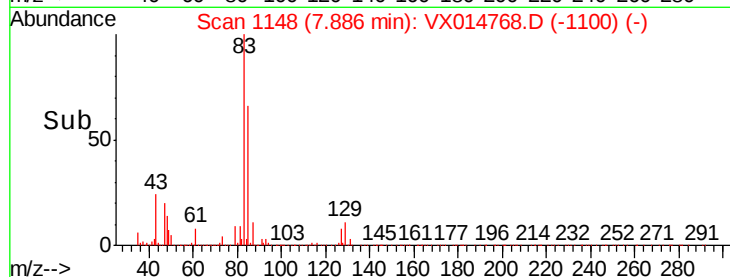
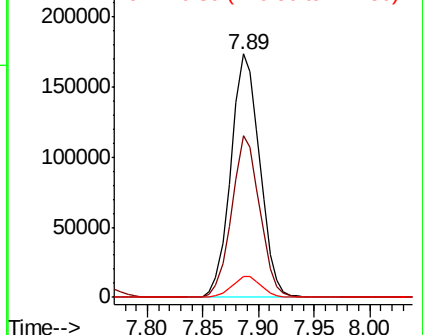
83 100

85 66.2 52.2 78.2

127 8.4 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: 50.649 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

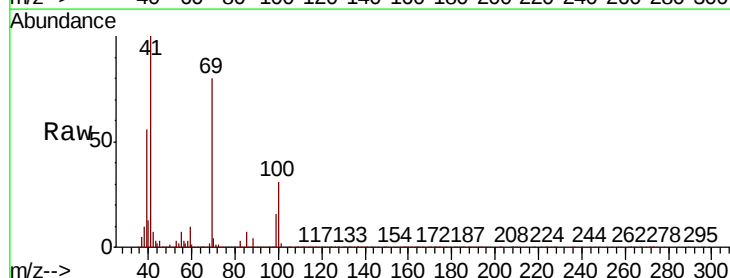
Tgt Ion: 41 Resp: 262687

Ion Ratio Lower Upper

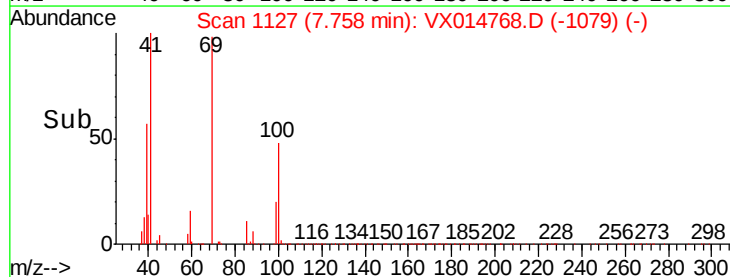
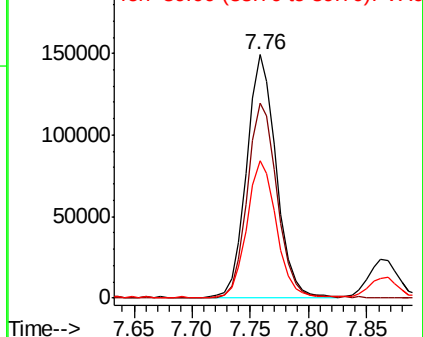
41 100

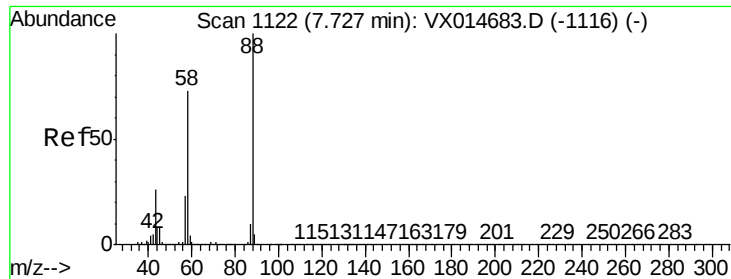
69 81.8 63.5 95.3

39 56.6 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

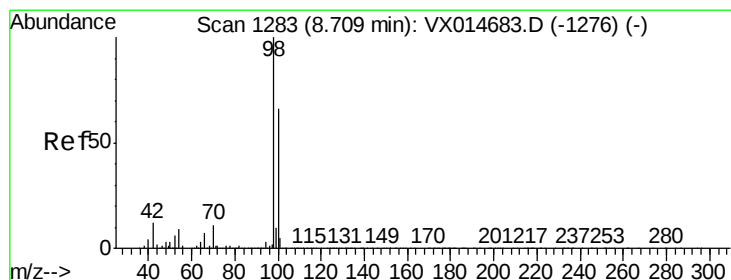
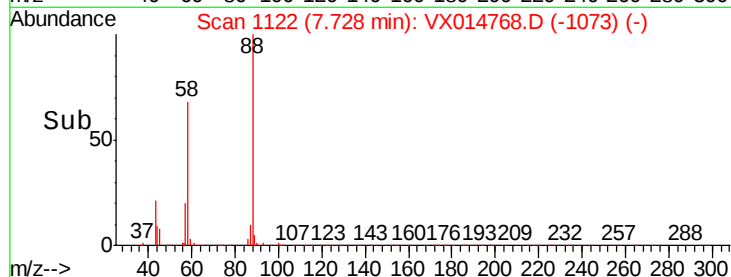
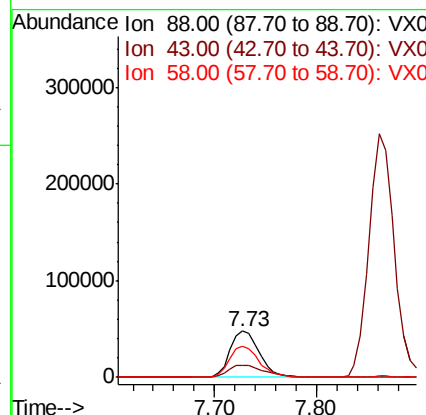
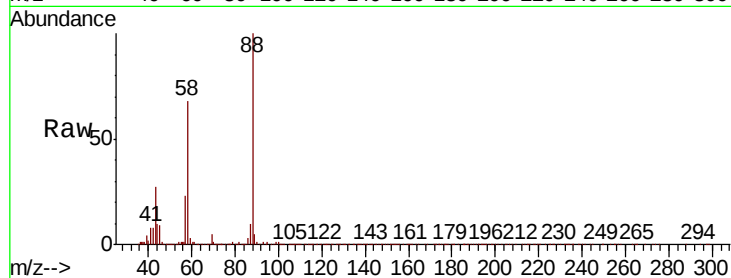




#49  
1,4-Dioxane  
Concen: 855.206 ug/l  
RT: 7.73 min Scan# 1122  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

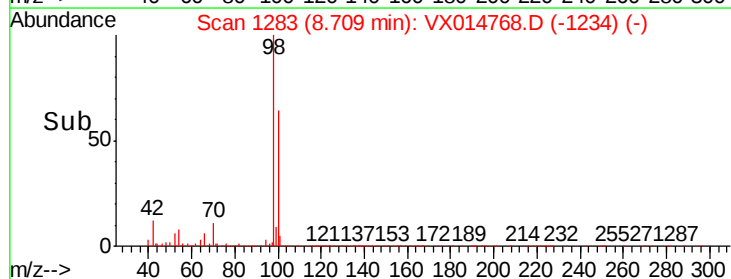
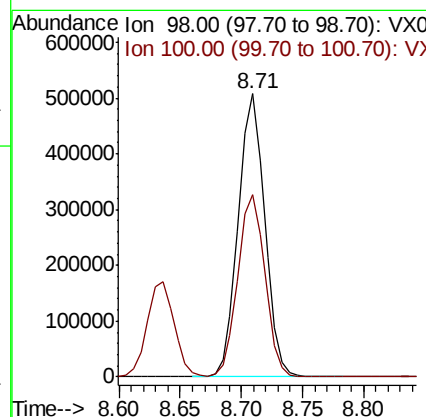
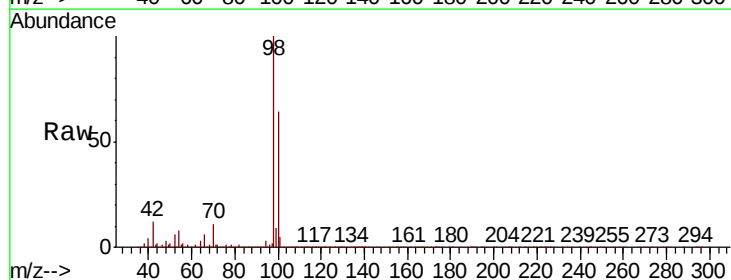
Instrument :  
MSVOA\_X  
ClientSampleId :

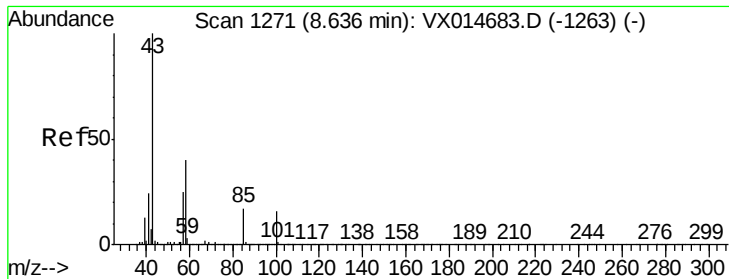
Tot Ion: 88 Resp: 94022  
Ion Ratio Lower Upper  
88 100  
43 32.2 26.2 39.2  
58 69.8 56.6 85.0



#50  
Toluene-d8  
Concen: 50.270 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion: 98 Resp: 759546  
Ion Ratio Lower Upper  
98 100  
100 65.9 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 239.522 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

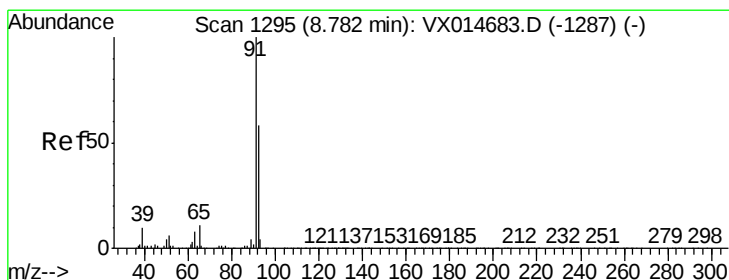
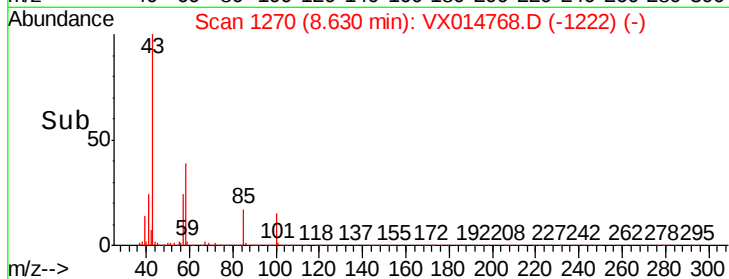
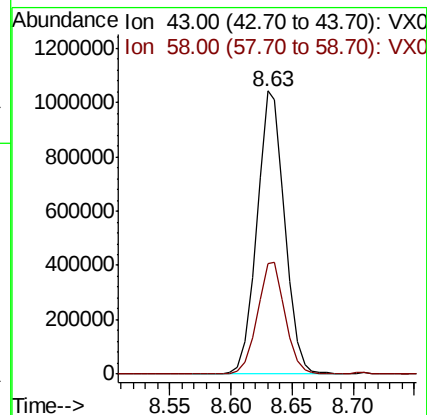
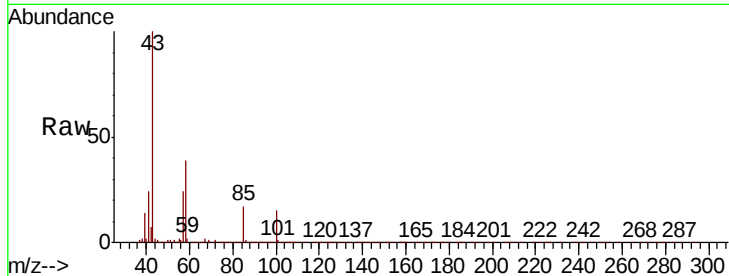
ClientSampleId :

Tot Ion: 43 Resp: 1640997

Ion Ratio Lower Upper

43 100

58 39.5 31.6 47.4



#52

Toluene

Concen: 51.548 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014768.D

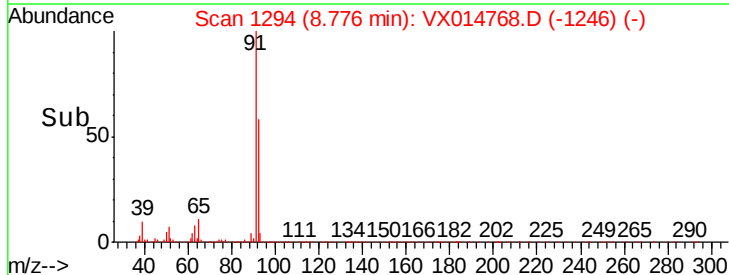
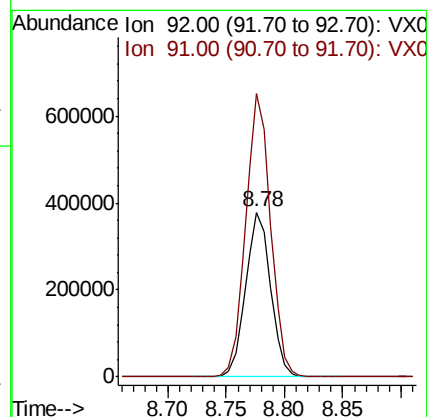
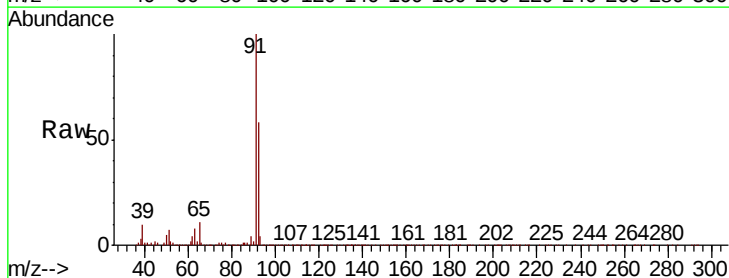
Acq: 30 Jan 2020 10:17

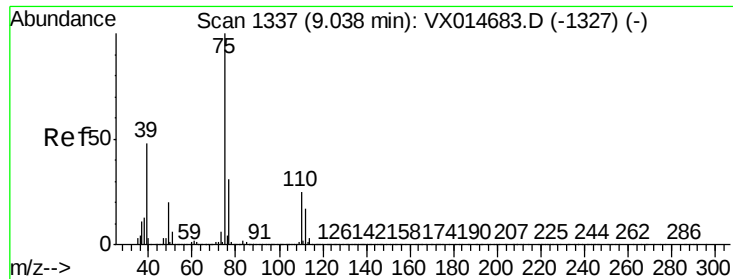
Tgt Ion: 92 Resp: 566646

Ion Ratio Lower Upper

92 100

91 171.7 135.9 203.9

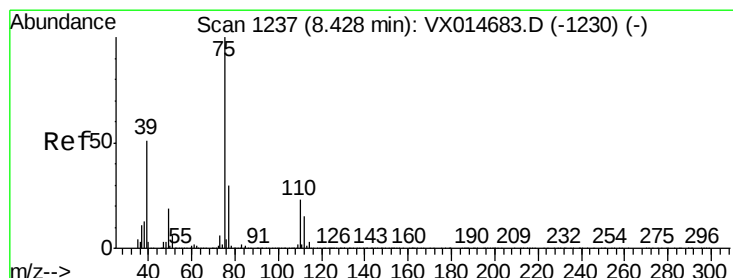
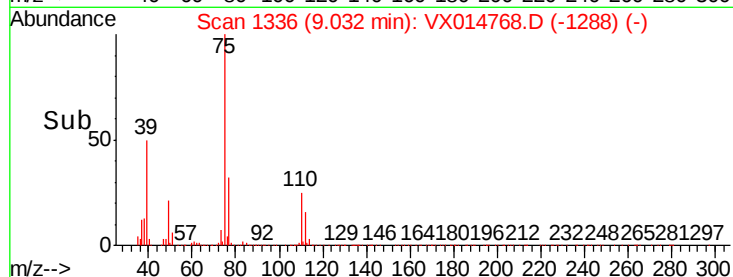
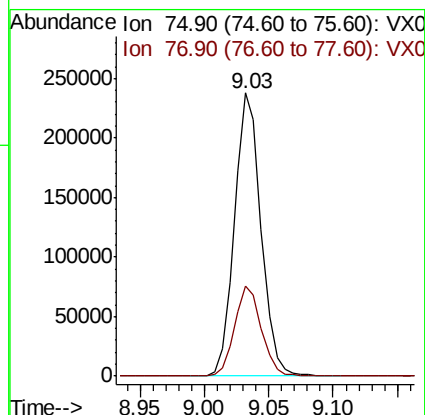
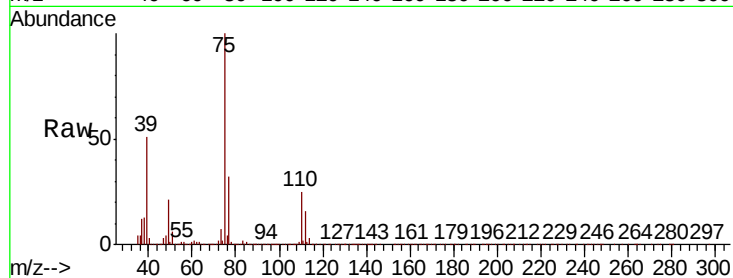




#53  
t-1,3-Dichloropropene  
Concen: 53.893 ug/l  
RT: 9.03 min Scan# 1336  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

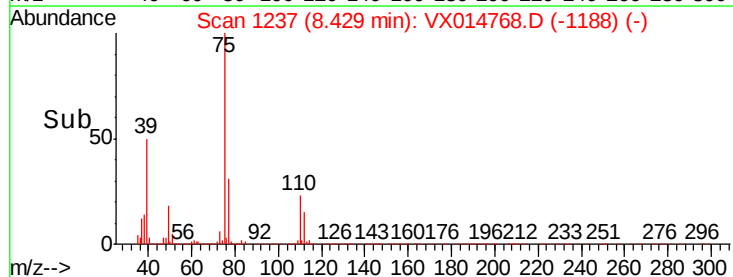
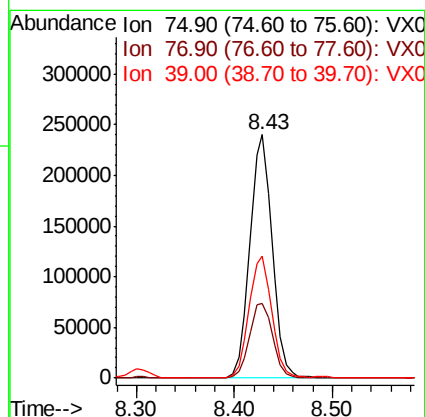
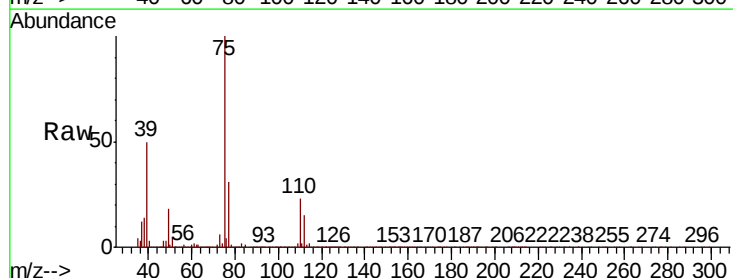
Instrument :  
MSVOA\_X  
ClientSampled :

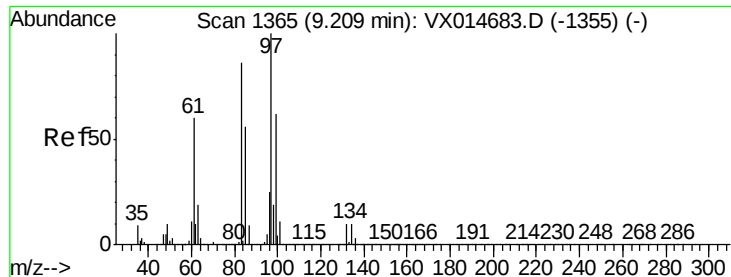
Tot Ion: 75 Resp: 339599  
Ion Ratio Lower Upper  
75 100  
77 31.9 24.9 37.3



#54  
cis-1,3-Dichloropropene  
Concen: 54.646 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion: 75 Resp: 378811  
Ion Ratio Lower Upper  
75 100  
77 30.5 23.9 35.9  
39 49.8 40.9 61.3





#55

1,1,2-Trichloroethane

Concen: 51.420 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion: 97 Resp: 231420

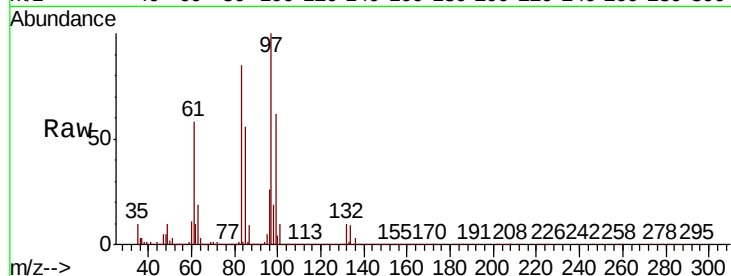
Ion Ratio Lower Upper

97 100

83 85.2 69.2 103.8

85 55.6 44.6 67.0

99 62.5 50.1 75.1

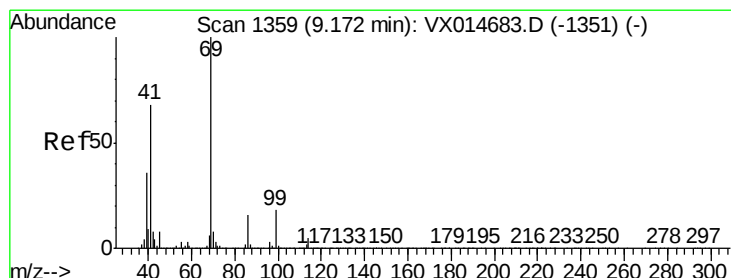
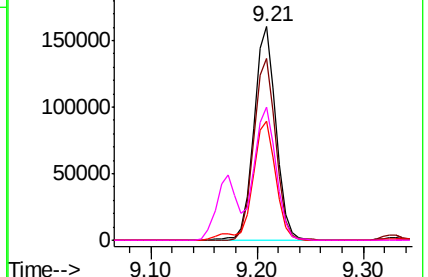
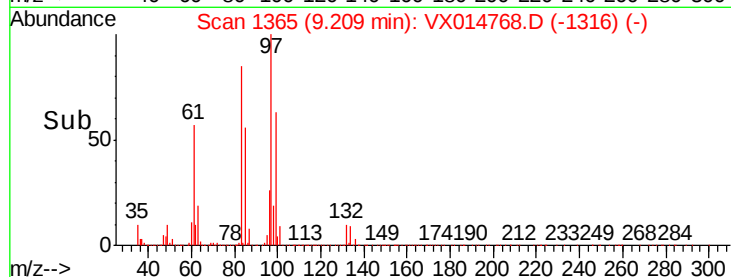


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 47.502 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

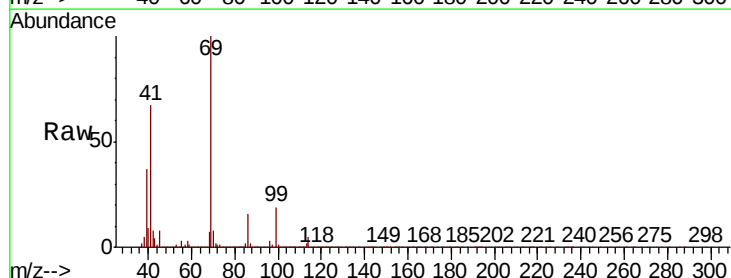
Tgt Ion: 69 Resp: 361732

Ion Ratio Lower Upper

69 100

41 68.4 54.9 82.3

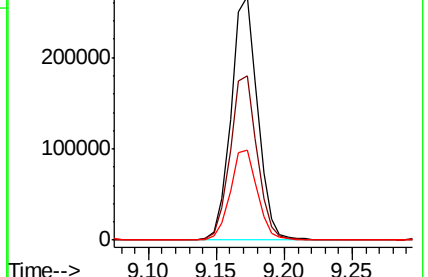
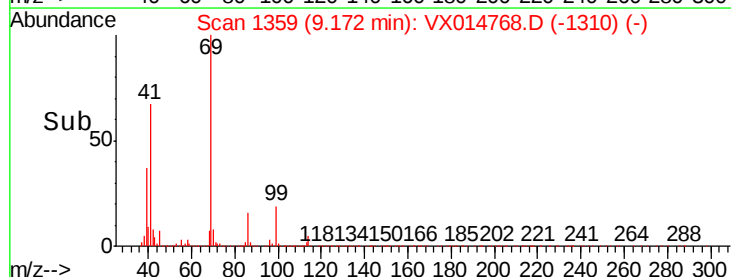
39 37.7 29.3 43.9

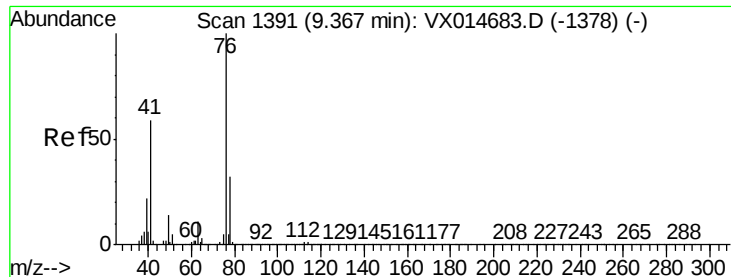


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.515 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

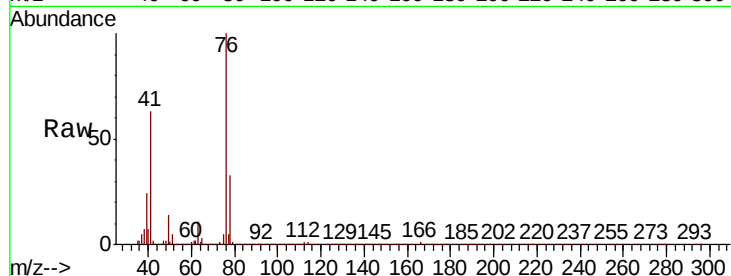
ClientSampleId :

Tot Ion: 76 Resp: 396338

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.36

250000

200000

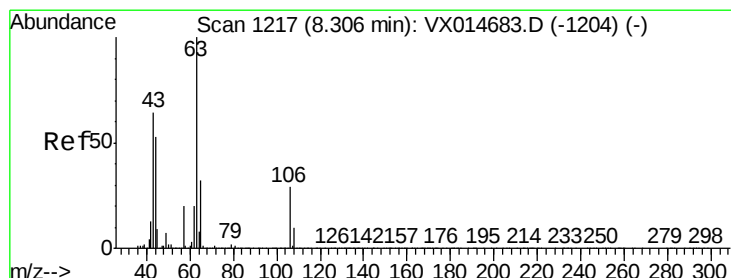
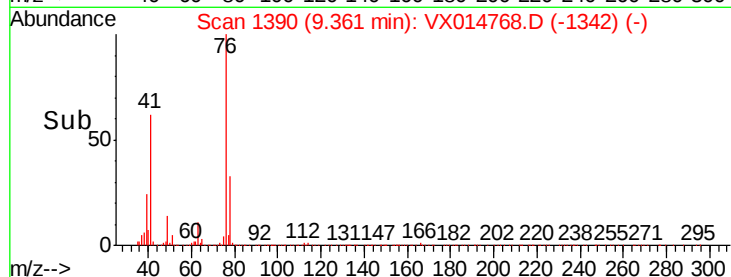
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 268.327 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014768.D

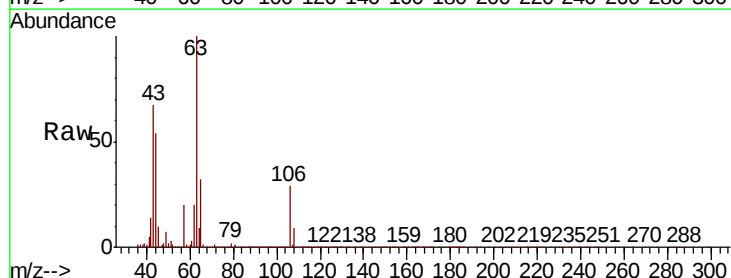
Acq: 30 Jan 2020 10:17

Tgt Ion: 63 Resp: 607330

Ion Ratio Lower Upper

63 100

106 28.7 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

400000

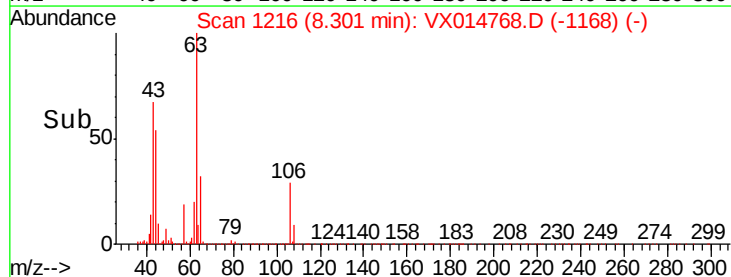
300000

200000

100000

0

Time-->





#59

2-Hexanone

Concen: 242.985 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

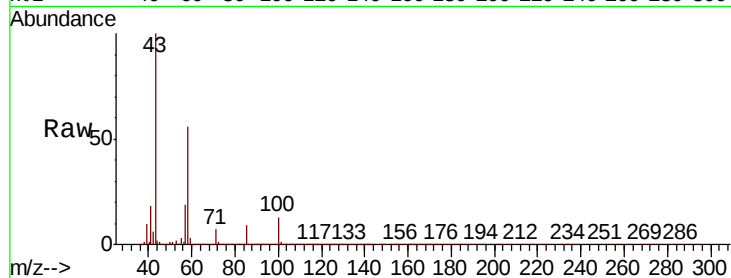
ClientSampleId :

Tot Ion: 43 Resp: 1291800

Ion Ratio Lower Upper

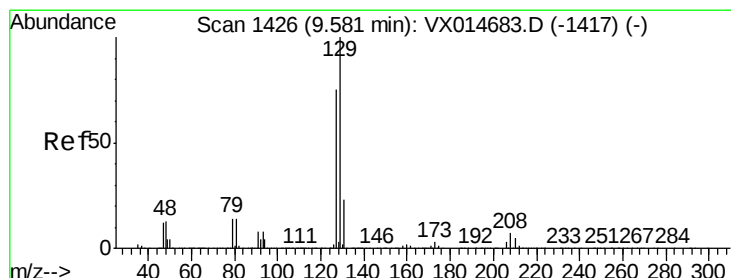
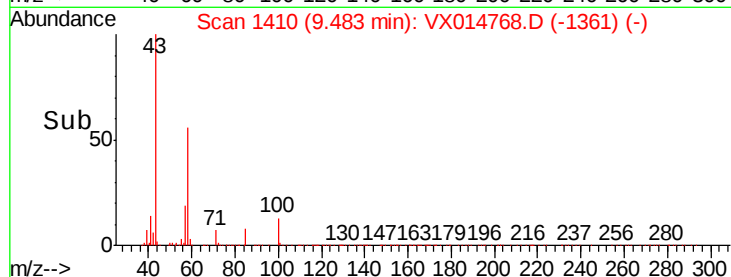
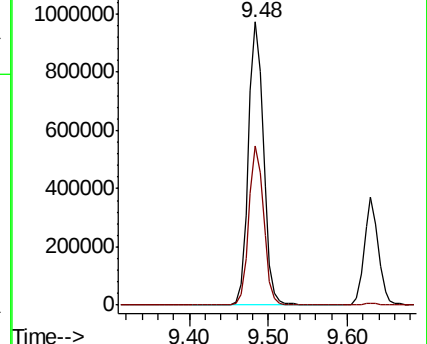
43 100

58 55.4 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: 52.717 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX014768.D

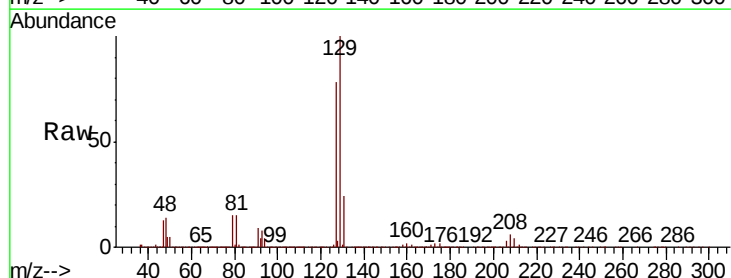
Acq: 30 Jan 2020 10:17

Tgt Ion:129 Resp: 247649

Ion Ratio Lower Upper

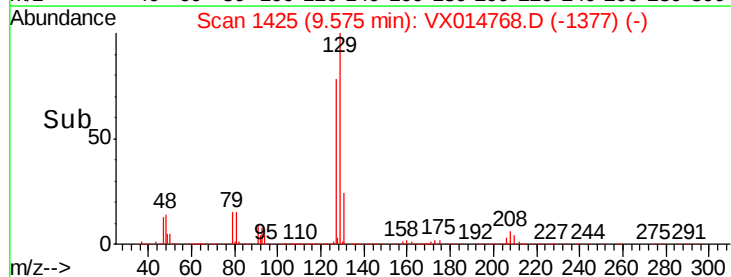
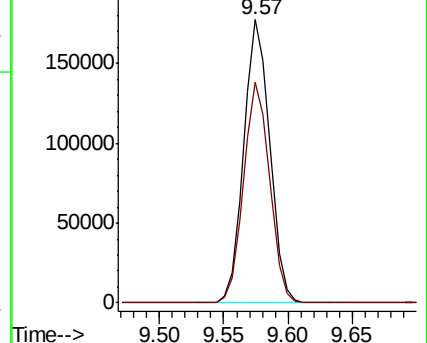
129 100

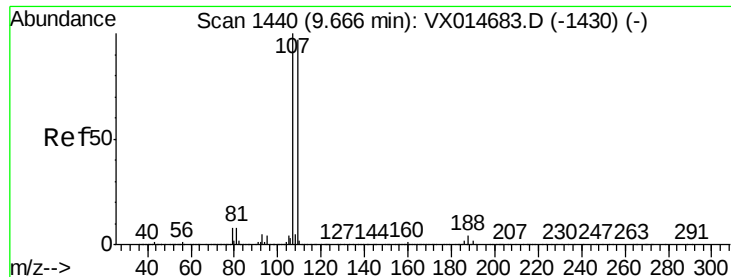
127 78.2 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 50.842 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

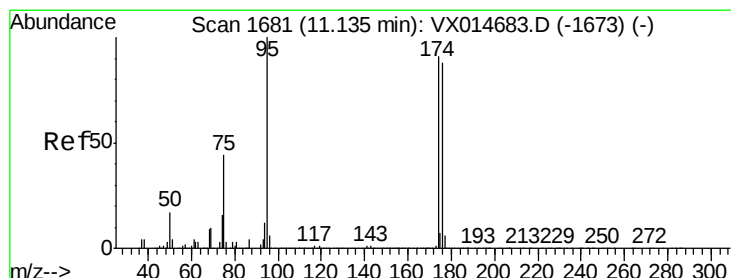
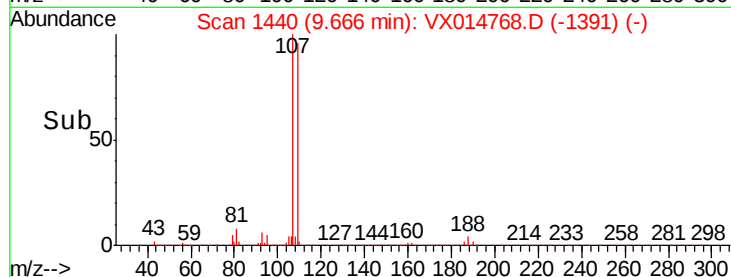
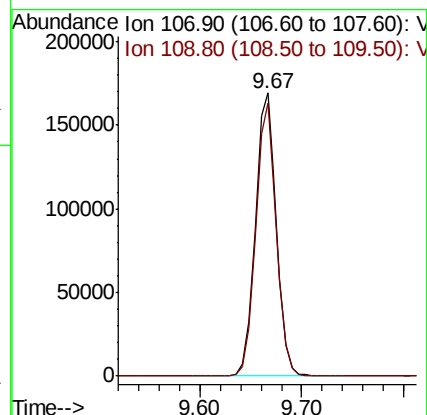
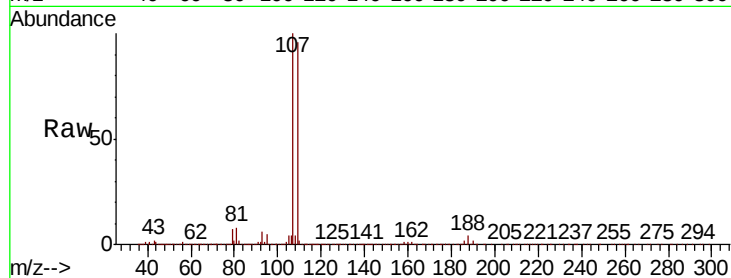
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 107 Resp: 241932

Ion Ratio Lower Upper

107 100

109 94.9 76.2 114.2



#62

4-Bromofluorobenzene

Concen: 50.731 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

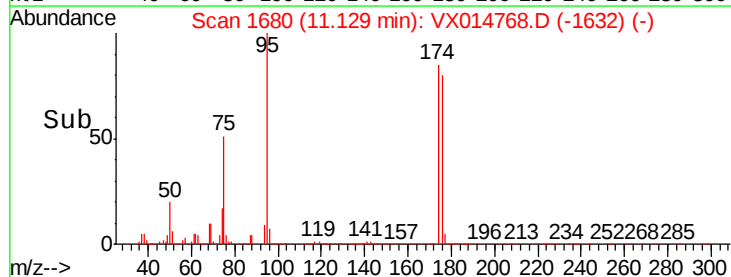
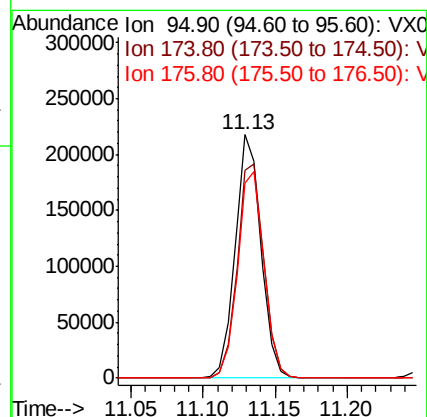
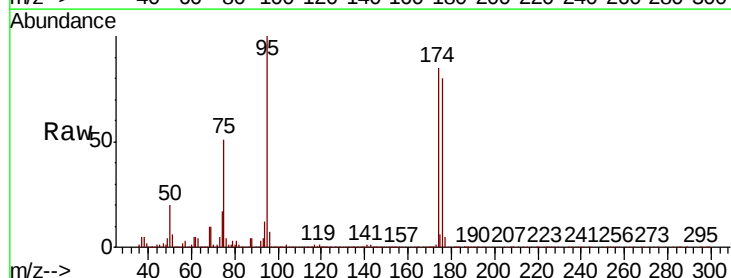
Tgt Ion: 95 Resp: 273053

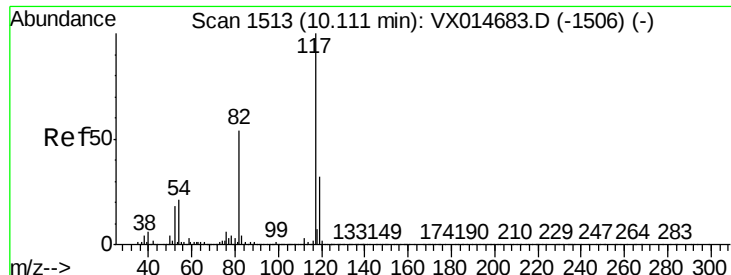
Ion Ratio Lower Upper

95 100

174 90.5 0.0 176.0

176 86.7 0.0 172.2

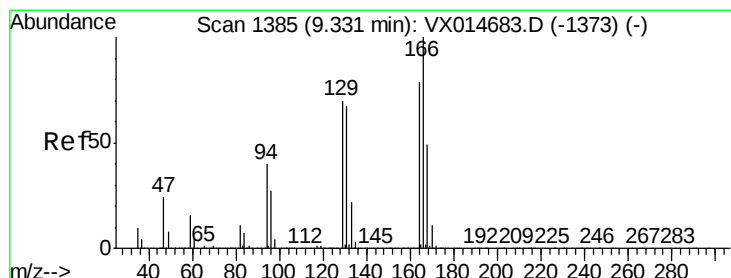
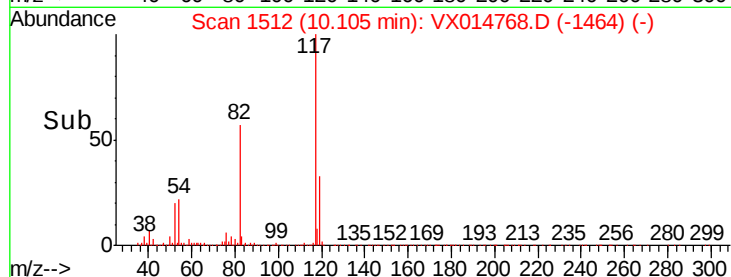
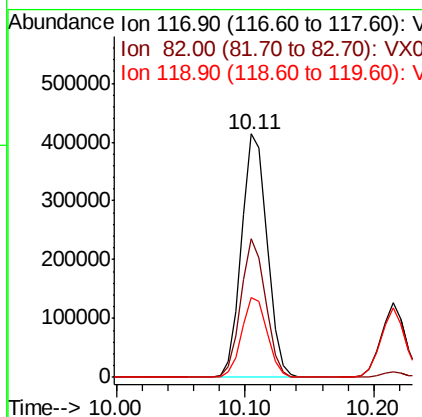
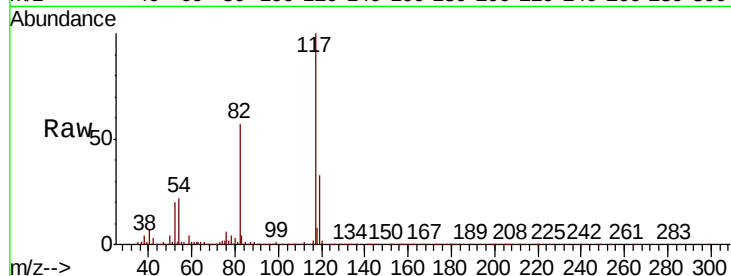




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

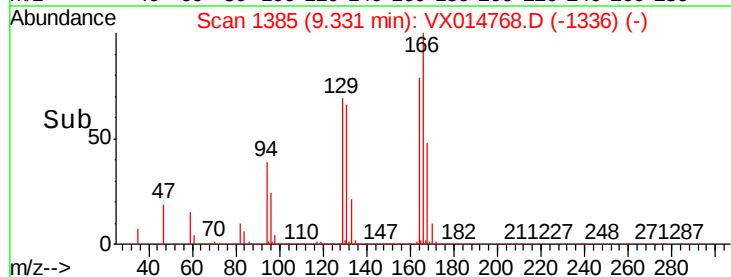
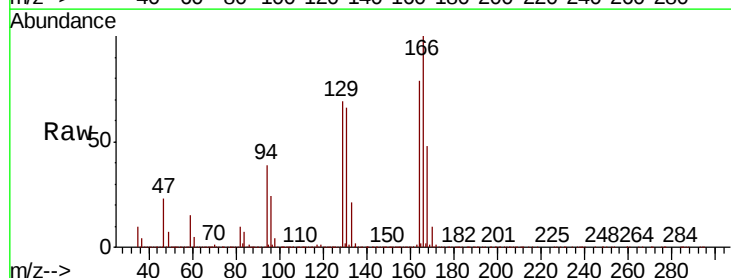
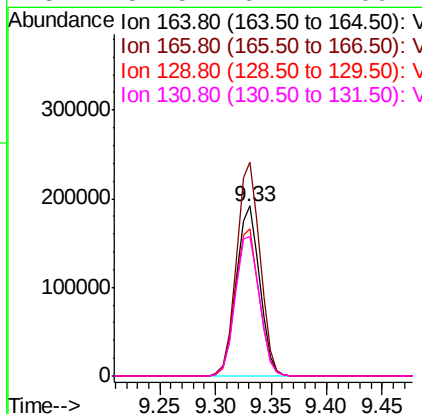
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:117 Resp: 567528  
Ion Ratio Lower Upper  
117 100  
82 57.0 43.2 64.8  
119 32.7 25.8 38.6



#64  
Tetrachloroethene  
Concen: 49.559 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion:164 Resp: 278412  
Ion Ratio Lower Upper  
164 100  
166 125.8 100.9 151.3  
129 86.7 71.0 106.6  
131 82.5 67.1 100.7

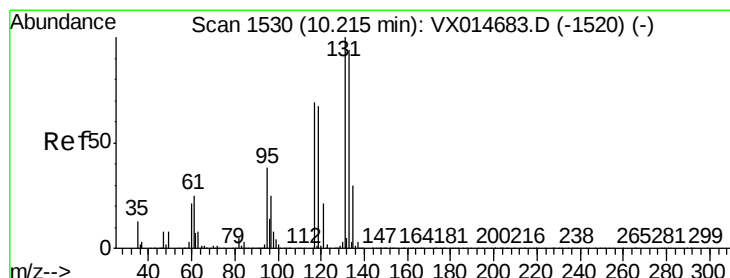
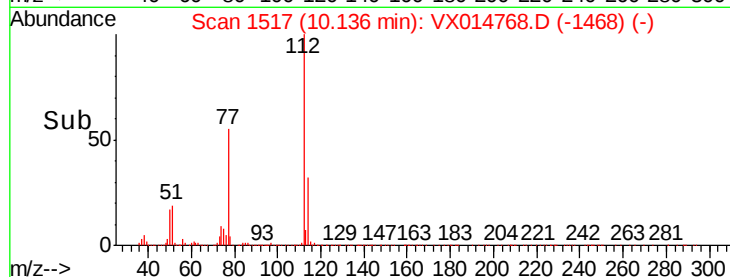
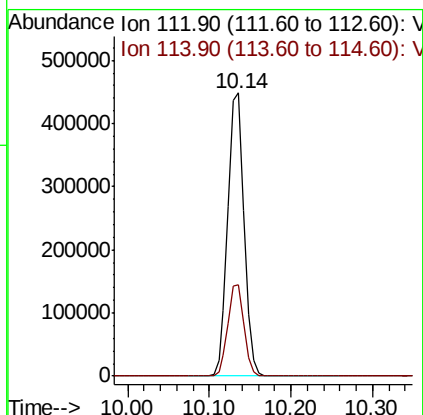
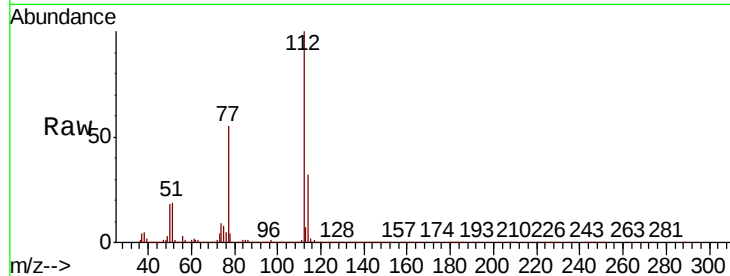




#65  
Chlorobenzene  
Concen: 50.637 ug/l  
RT: 10.14 min Scan# 1517  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

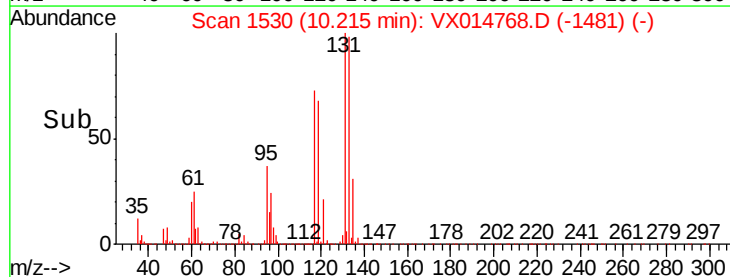
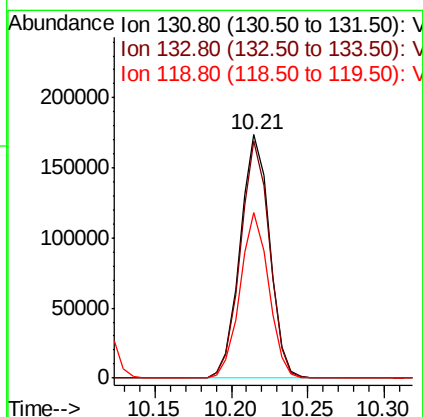
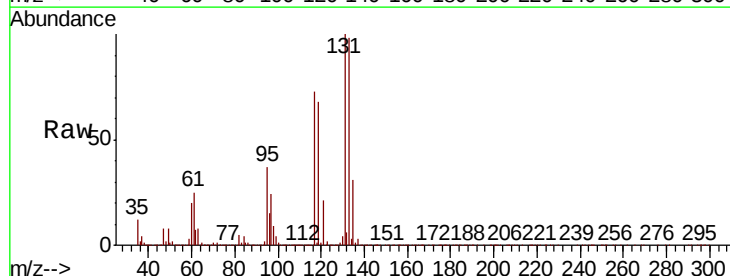
Instrument :  
MSVOA\_X  
ClientSampled :

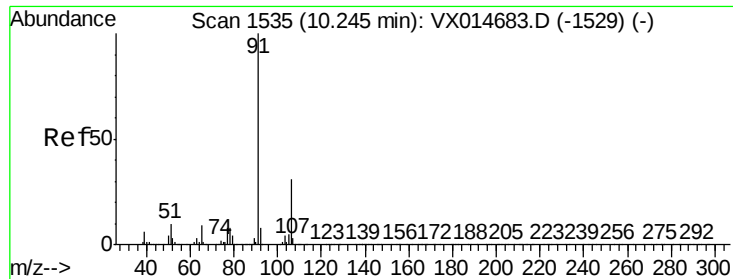
Tot Ion:112 Resp: 614692  
Ion Ratio Lower Upper  
112 100  
114 32.3 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.887 ug/l  
RT: 10.21 min Scan# 1530  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion:131 Resp: 232232  
Ion Ratio Lower Upper  
131 100  
133 96.2 47.4 142.3  
119 66.0 33.3 99.8

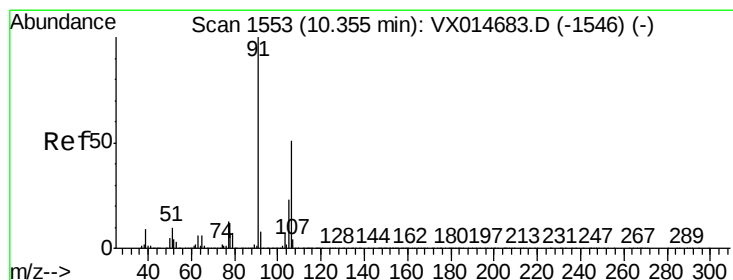
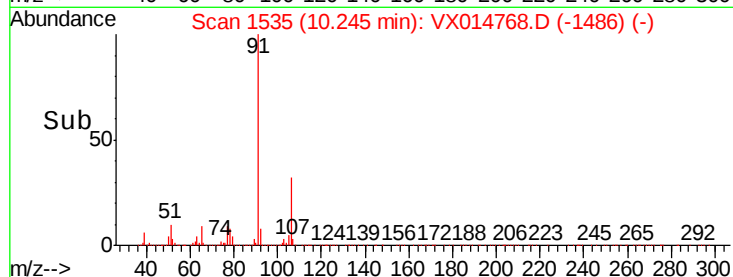
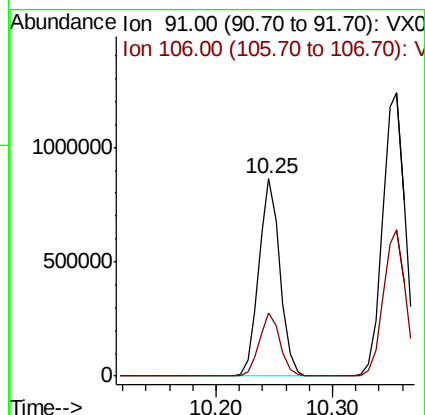
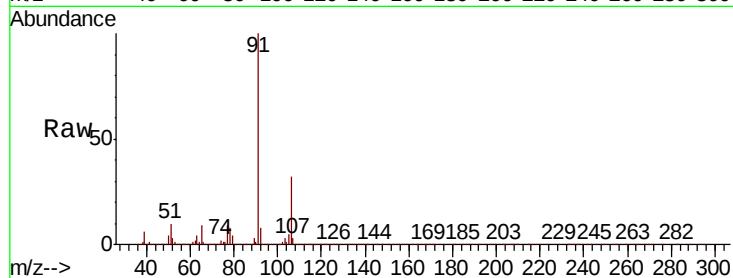




#67  
Ethyl Benzene  
Concen: 52.444 ug/l  
RT: 10.25 min Scan# 1535  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

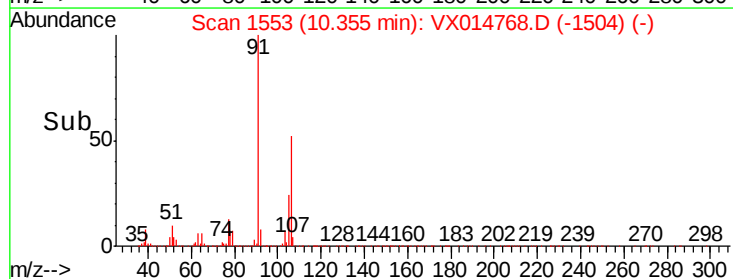
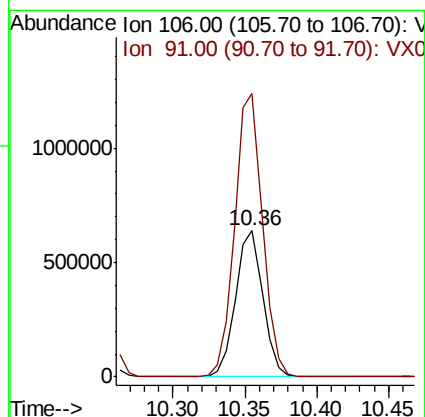
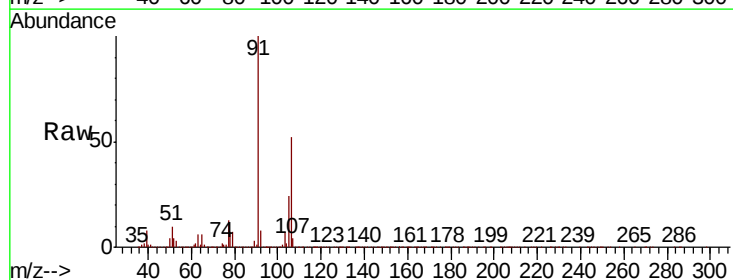
Instrument :  
MSVOA\_X  
ClientSampled :

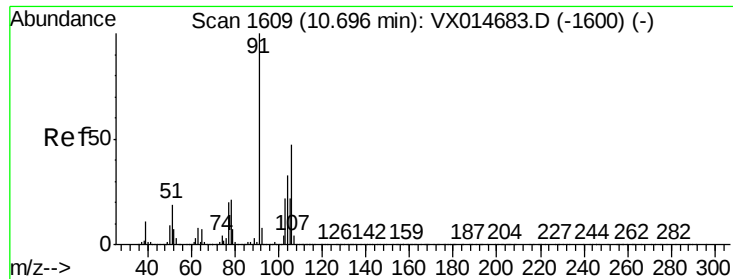
Tot Ion: 91 Resp: 1087034  
Ion Ratio Lower Upper  
91 100  
106 32.3 24.9 37.3



#68  
m/p-Xylenes  
Concen: 108.169 ug/l  
RT: 10.36 min Scan# 1553  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion: 106 Resp: 849395  
Ion Ratio Lower Upper  
106 100  
91 197.0 159.4 239.2

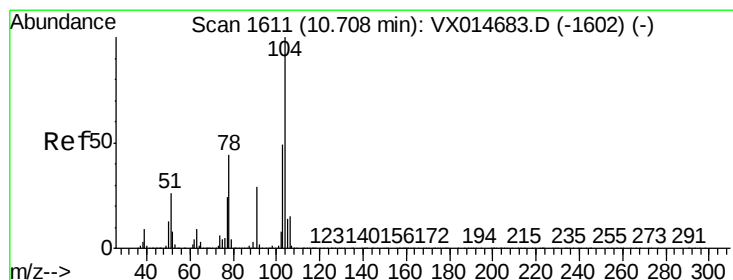
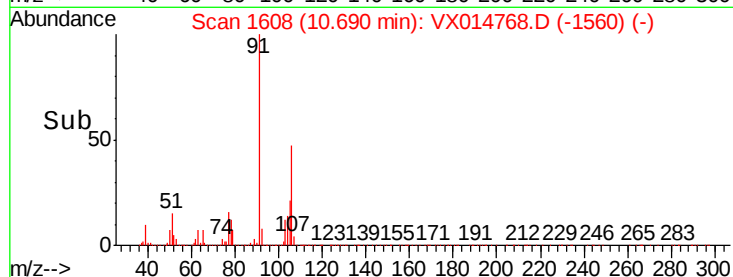
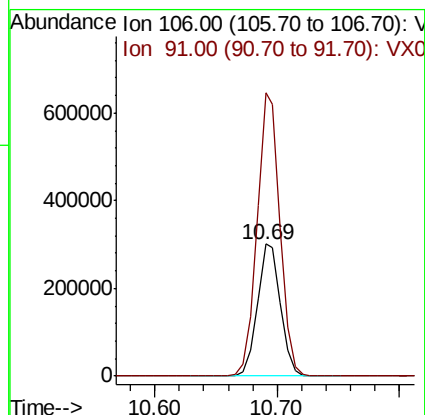
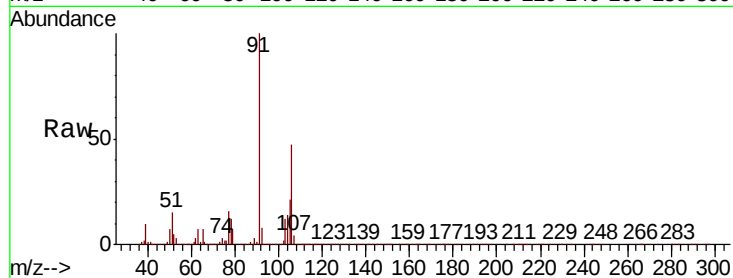




#69  
o-Xylene  
Concen: 52.451 ug/l  
RT: 10.69 min Scan# 1608  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

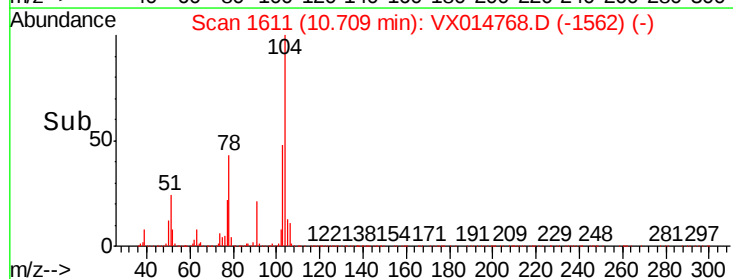
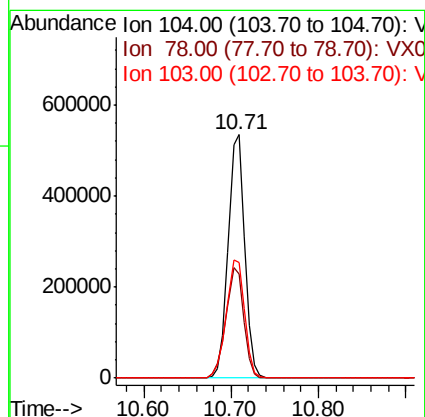
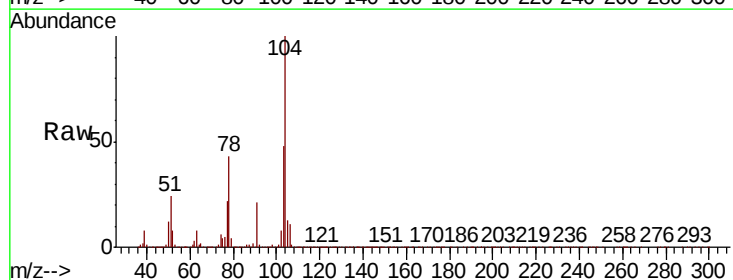
Instrument :  
MSVOA\_X  
ClientSampleId :

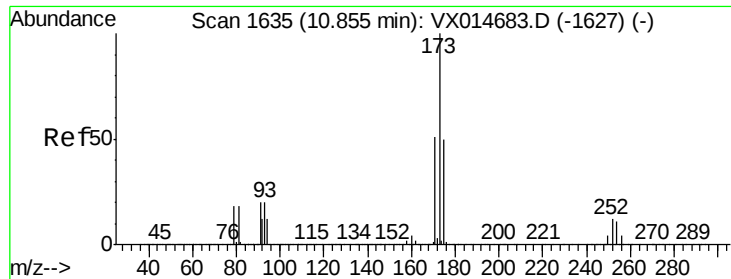
Tot Ion:106 Resp: 397618  
Ion Ratio Lower Upper  
106 100  
91 211.8 106.2 318.6



#70  
Styrene  
Concen: 55.139 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion:104 Resp: 701174  
Ion Ratio Lower Upper  
104 100  
78 48.6 39.3 58.9  
103 53.7 43.5 65.3

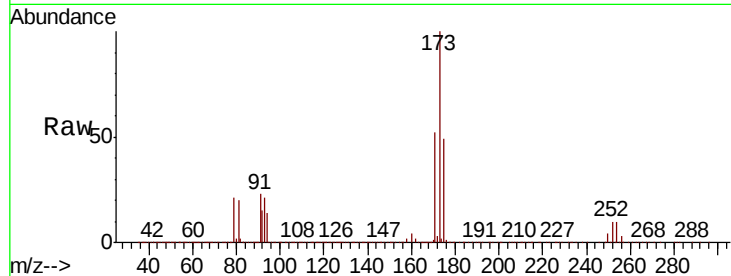




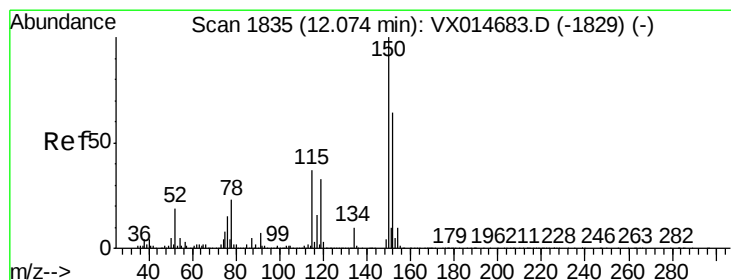
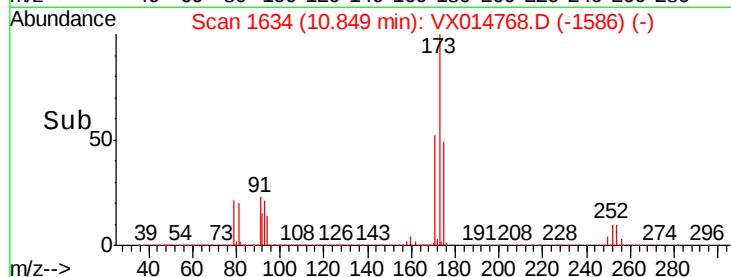
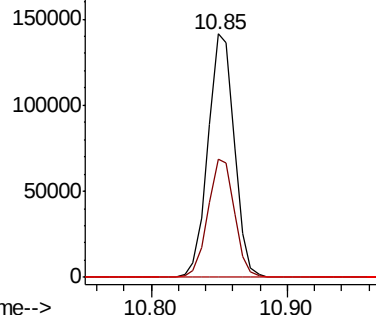
#71  
Bromoform  
Concen: 53.463 ug/l  
RT: 10.85 min Scan# 1634  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.0  | 24.6  | 73.6  |
| 254     | 0.3   | 0.1   | 0.1#  |

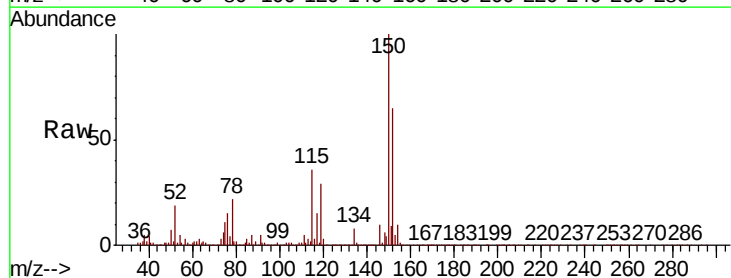


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

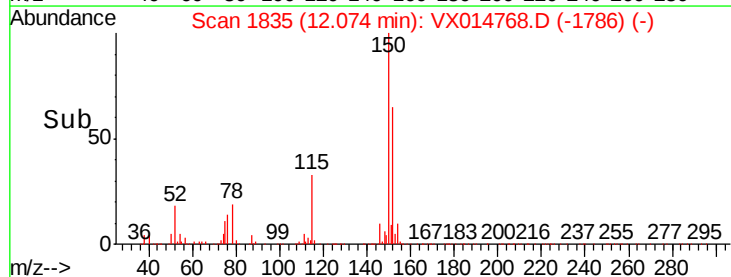
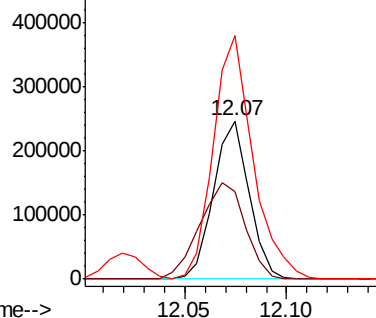


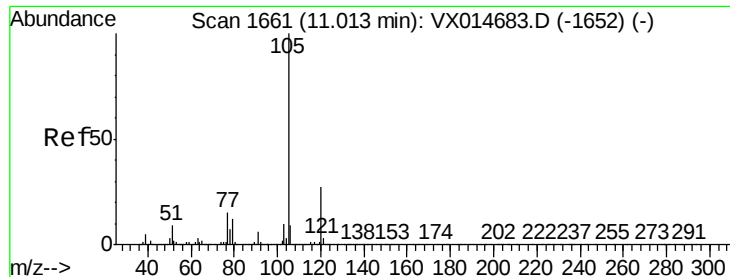
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 77.9  | 39.4  | 118.1 |
| 150     | 172.0 | 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: 51.337 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

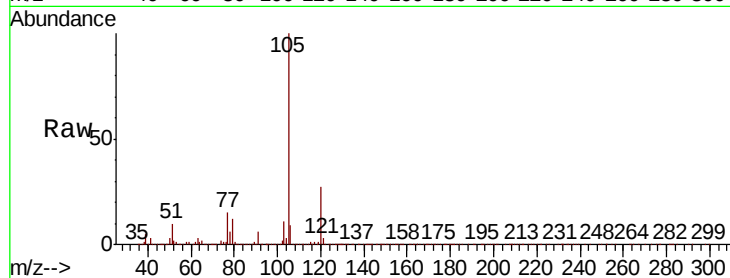
ClientSampled :

Tot Ion:105 Resp: 1079504

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

800000

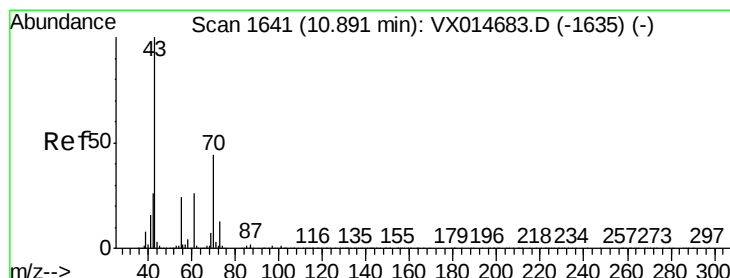
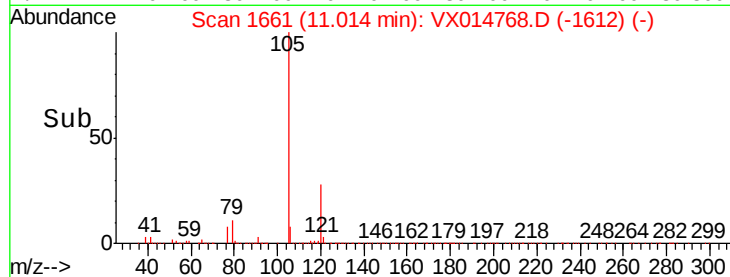
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 49.443 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Tgt Ion: 43 Resp: 455606

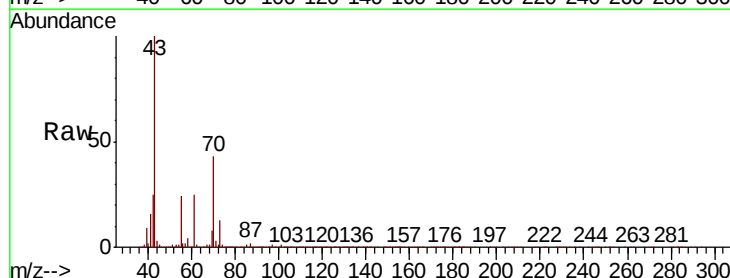
Ion Ratio Lower Upper

43 100

70 43.0 34.6 52.0

55 24.7 19.4 29.2

61 24.8 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

600000

500000

400000

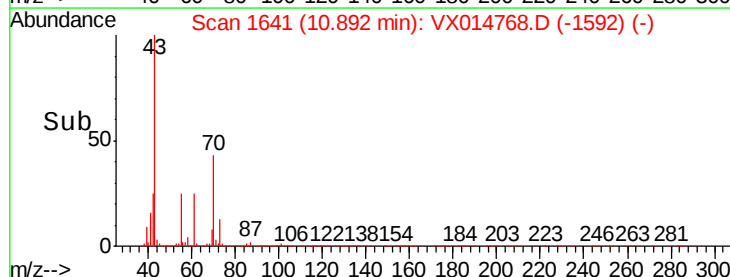
300000

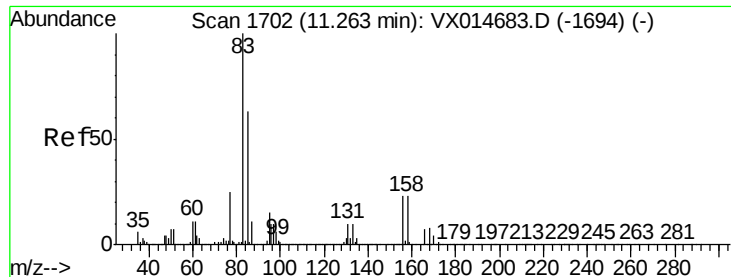
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.607 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

ClientSampleId :

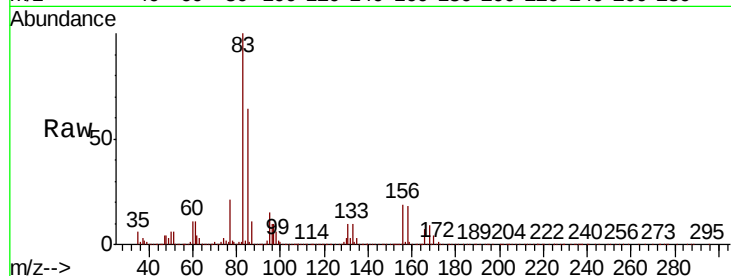
Tot Ion: 83 Resp: 342415

Ion Ratio Lower Upper

83 100

131 10.1 5.0 15.0

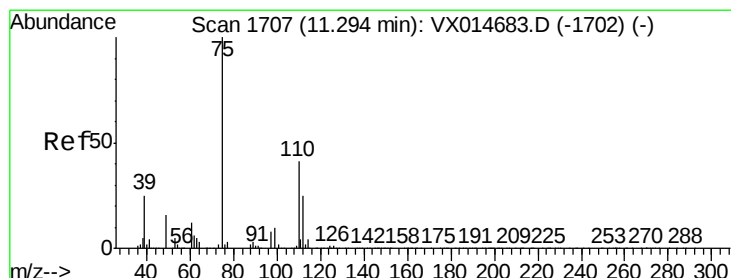
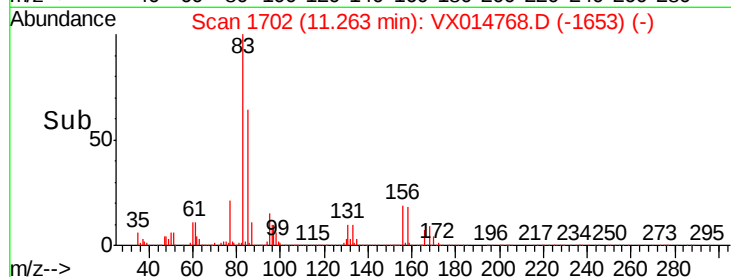
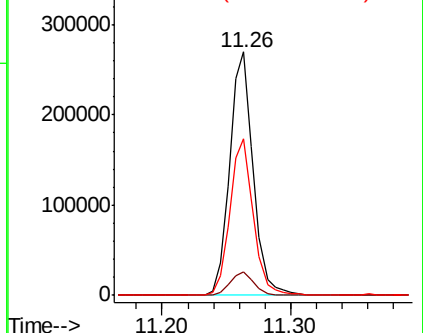
85 64.2 31.7 95.1



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: 57.520 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014768.D

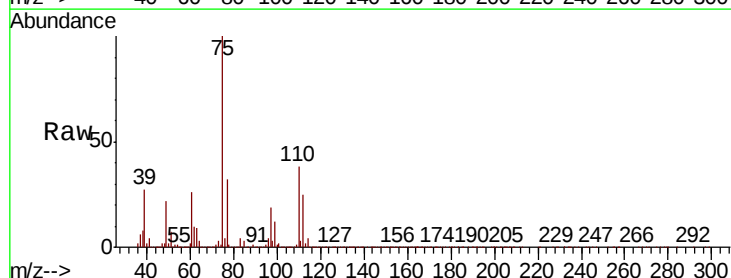
Acq: 30 Jan 2020 10:17

Tgt Ion: 75 Resp: 400213

Ion Ratio Lower Upper

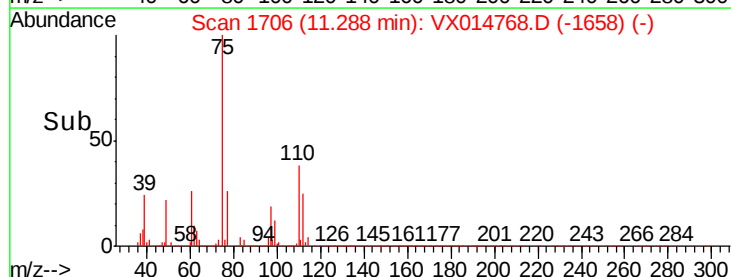
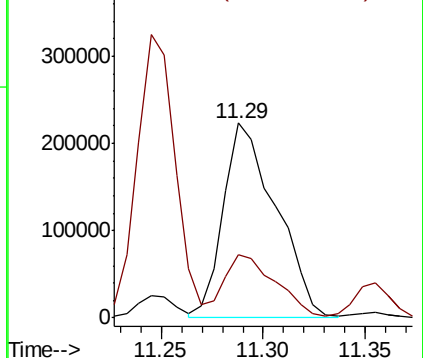
75 100

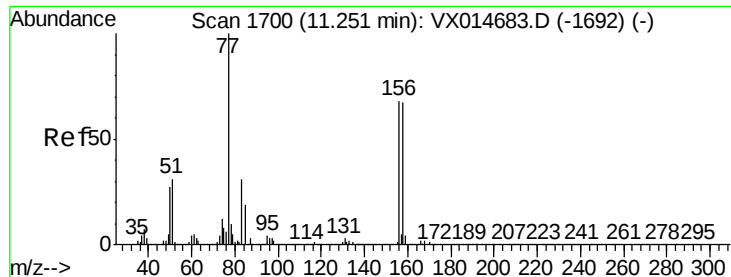
77 32.1 18.7 56.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.900 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

ClientSampleId :

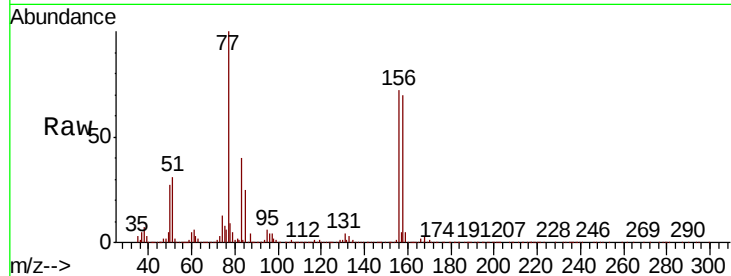
Tot Ion:156 Resp: 281889

Ion Ratio Lower Upper

156 100

77 149.2 77.5 232.5

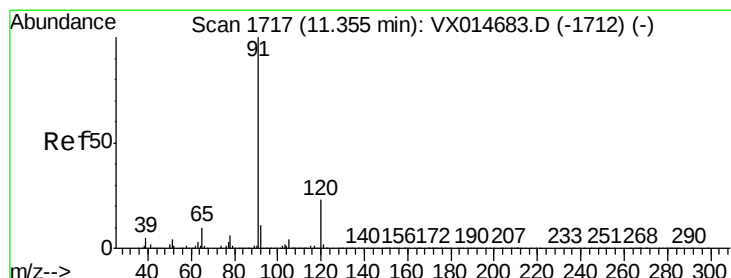
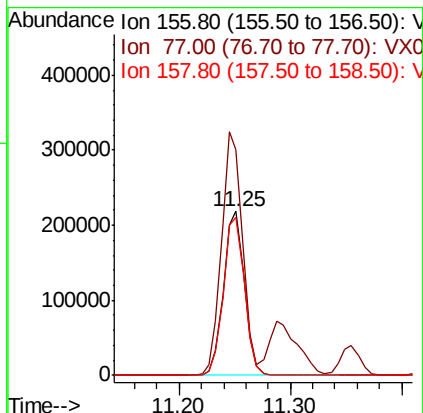
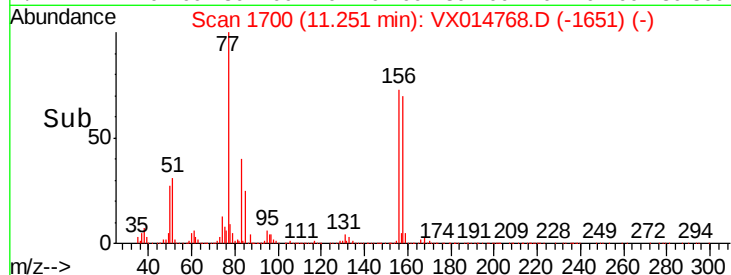
158 97.6 49.1 147.3



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: 52.106 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014768.D

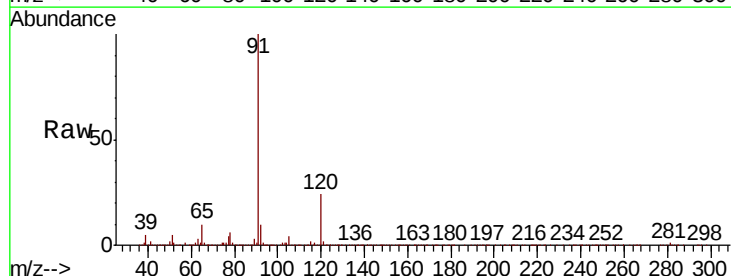
Acq: 30 Jan 2020 10:17

Tgt Ion: 91 Resp: 1243708

Ion Ratio Lower Upper

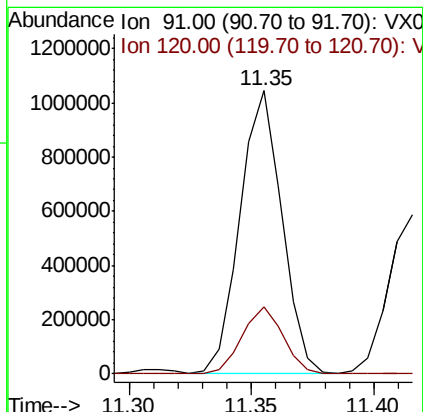
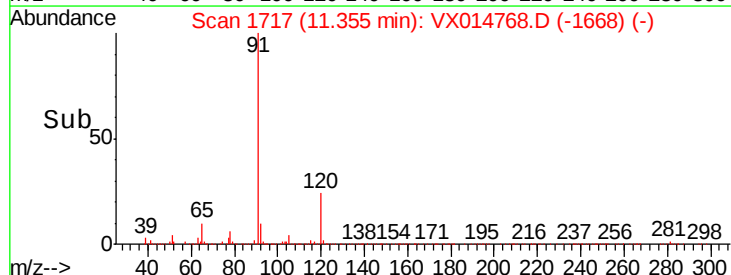
91 100

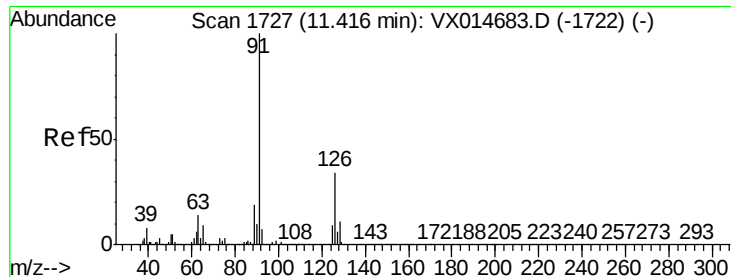
120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.172 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

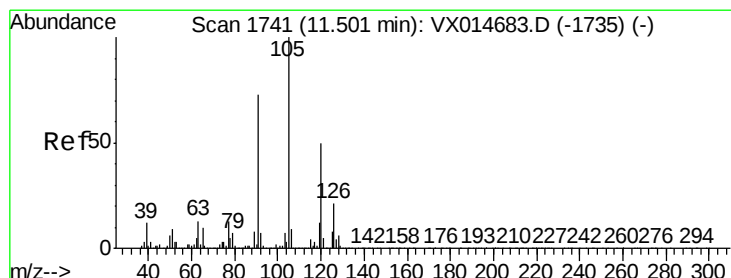
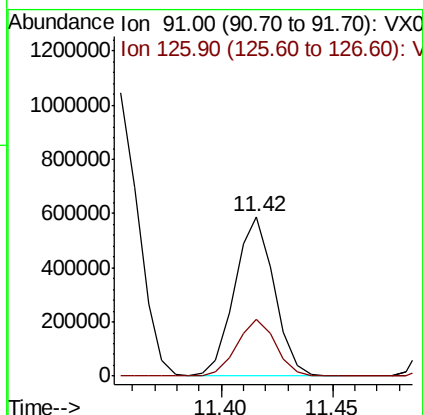
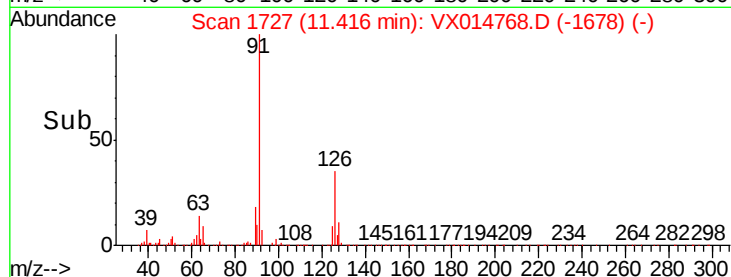
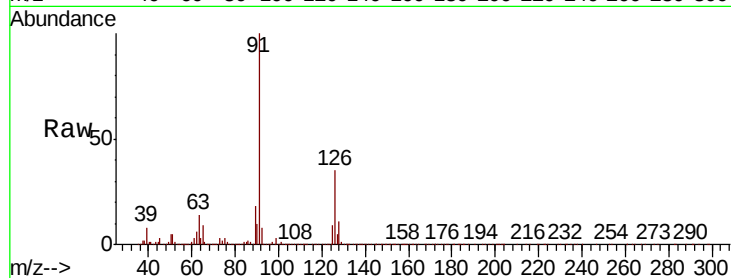
ClientSampled :

Tot Ion: 91 Resp: 724591

Ion Ratio Lower Upper

91 100

126 35.1 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 52.320 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014768.D

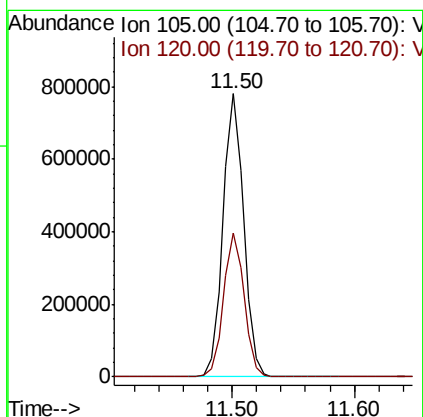
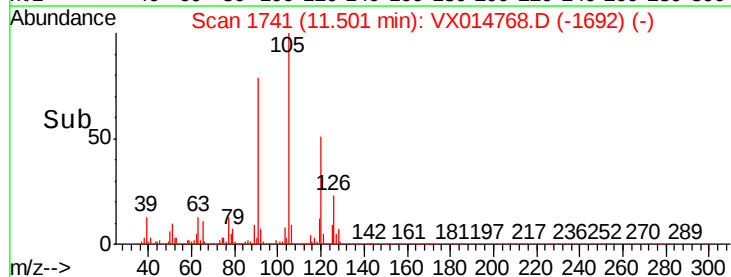
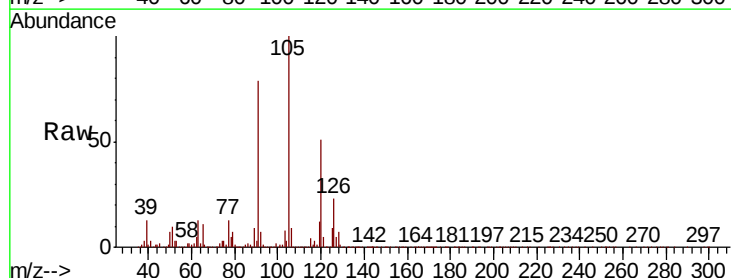
Acq: 30 Jan 2020 10:17

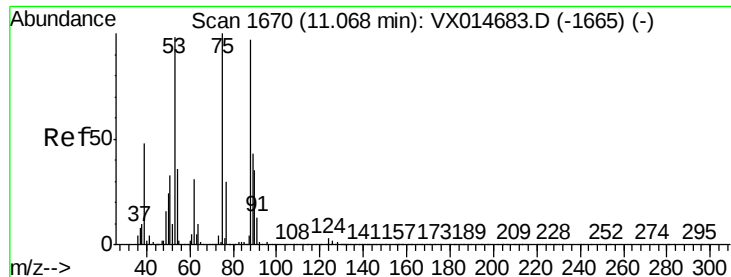
Tgt Ion: 105 Resp: 913104

Ion Ratio Lower Upper

105 100

120 50.5 24.9 74.6

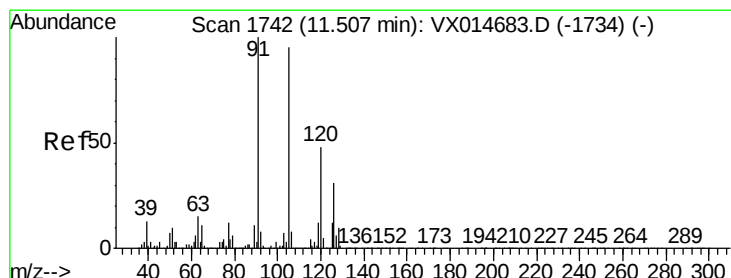
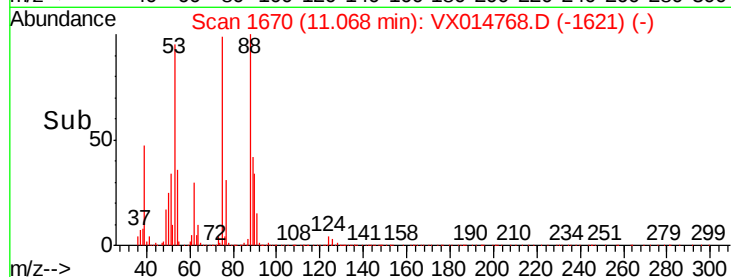
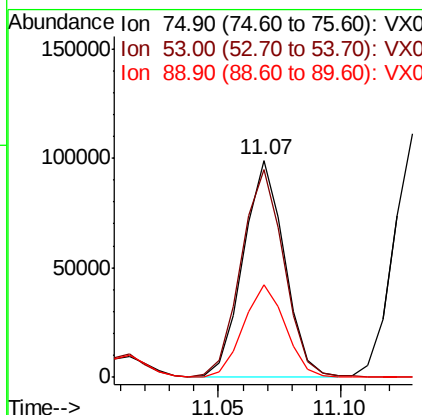
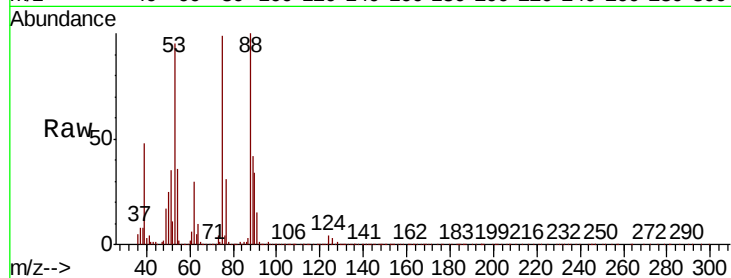




#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.341 ug/l  
RT: 11.07 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

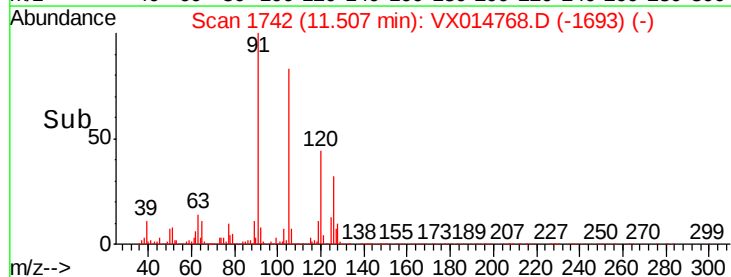
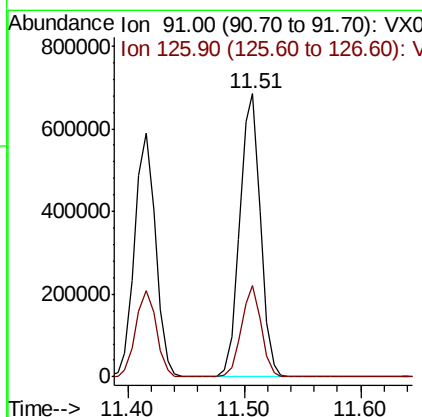
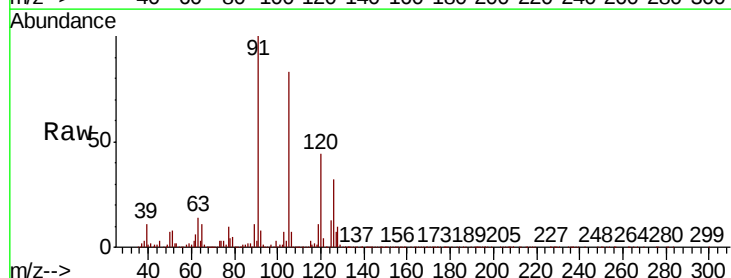
Instrument :  
MSVOA\_X  
ClientSampled :

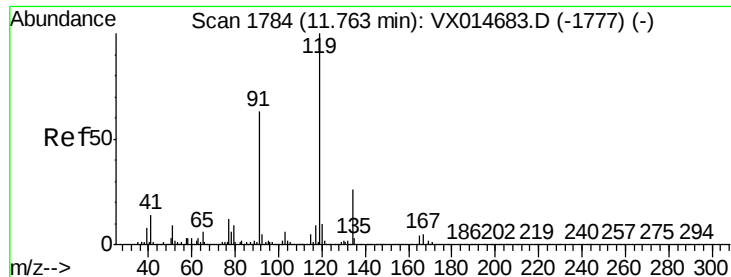
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 98.9  | 78.8  | 118.2 |
| 89      | 43.8  | 35.4  | 53.0  |



#82  
4-Chlorotoluene  
Concen: 51.647 ug/l  
RT: 11.51 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.6  | 15.4  | 46.4  |

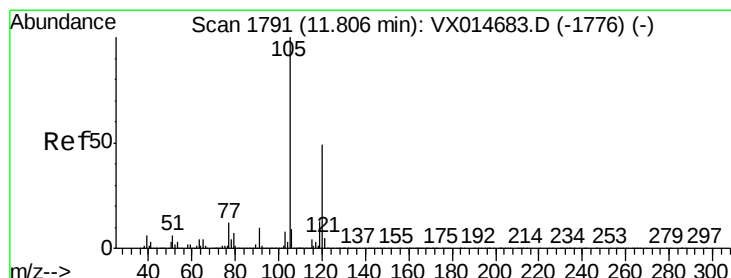
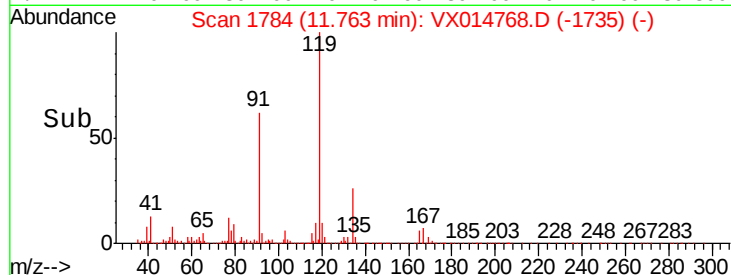
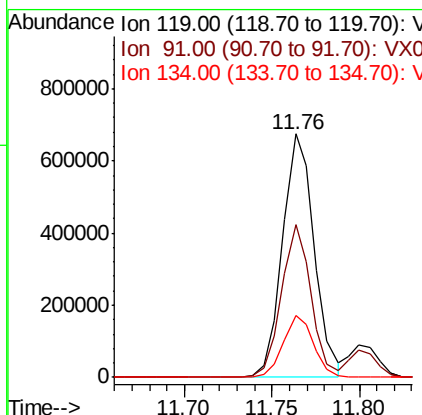
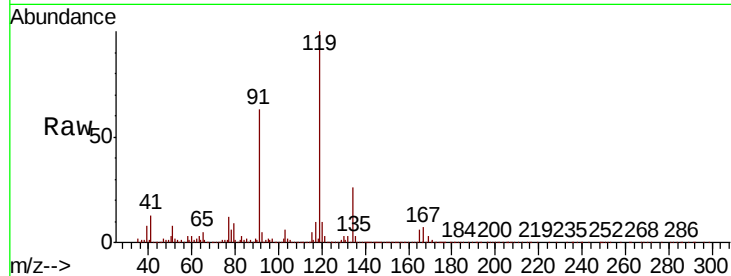




#83  
tert-Butylbenzene  
Concen: 51.941 ug/l  
RT: 11.76 min Scan# 1784  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

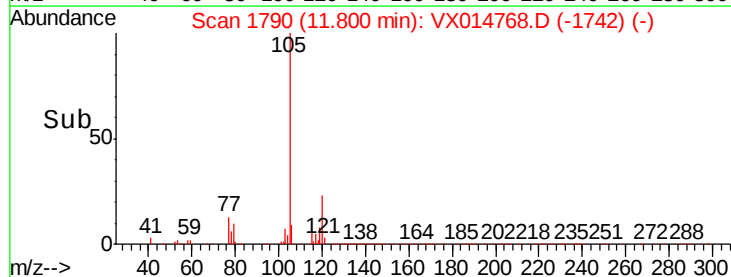
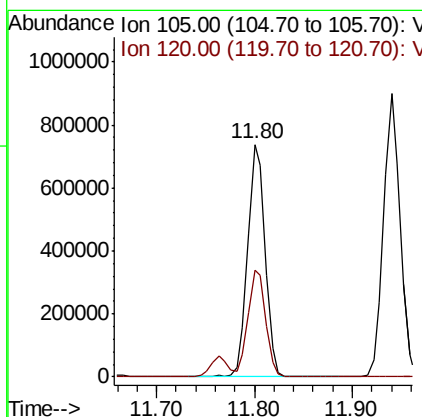
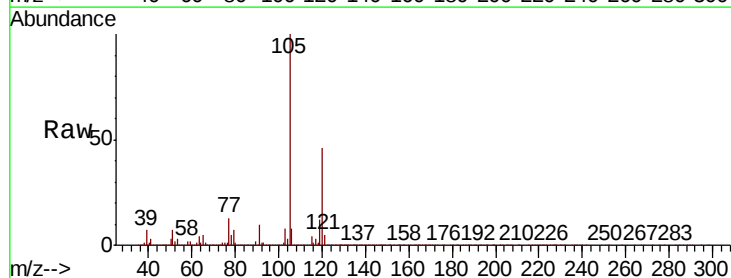
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:119 Resp: 851812  
Ion Ratio Lower Upper  
119 100  
91 58.4 30.0 90.0  
134 24.5 12.7 38.0



#84  
1,2,4-Trimethylbenzene  
Concen: 52.357 ug/l  
RT: 11.80 min Scan# 1790  
Delta R.T. -0.01 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion:105 Resp: 916531  
Ion Ratio Lower Upper  
105 100  
120 45.8 23.4 70.0

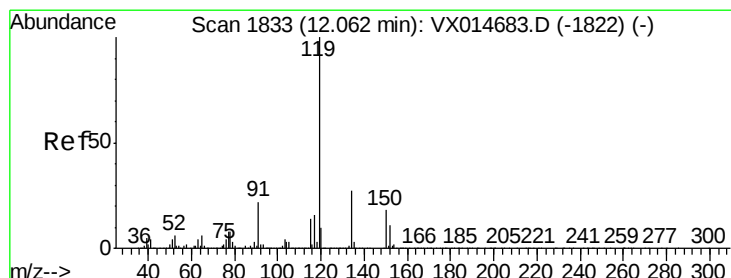
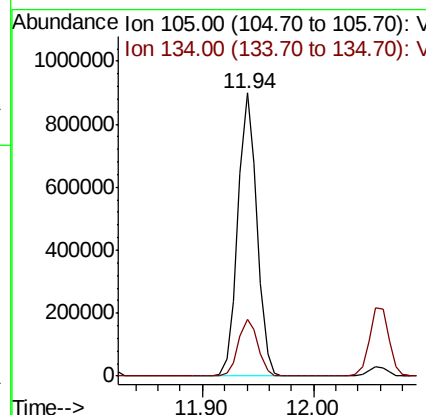
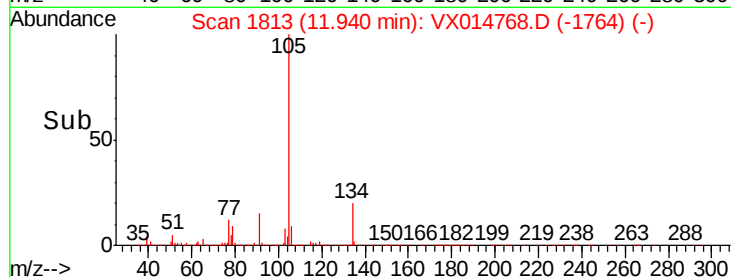
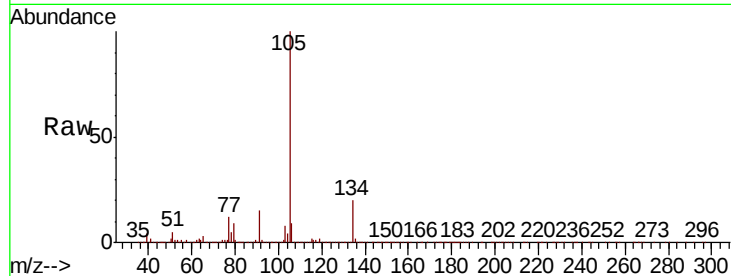




#85  
 sec-Butylbenzene  
 Concen: 52.768 ug/l  
 RT: 11.94 min Scan# 1813  
 Delta R.T. 0.00 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

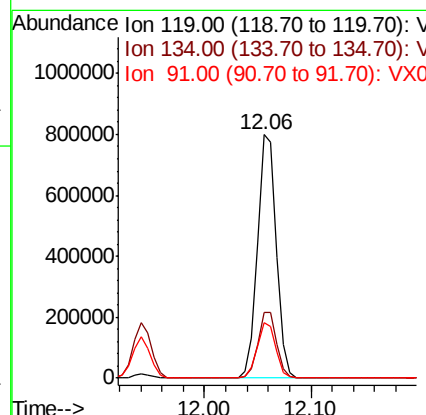
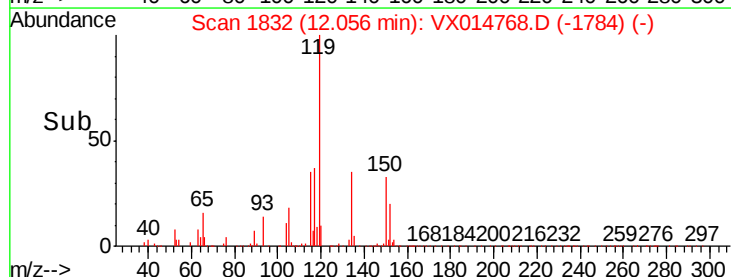
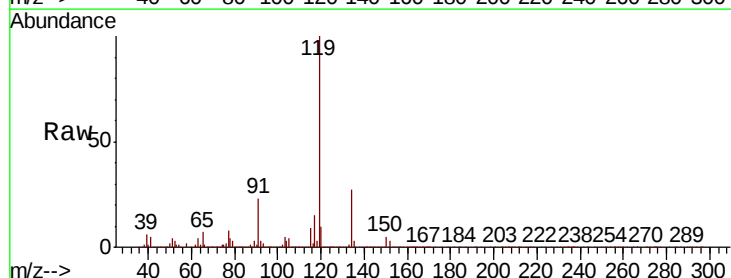
Instrument :  
 MSVOA\_X  
 ClientSampleId :

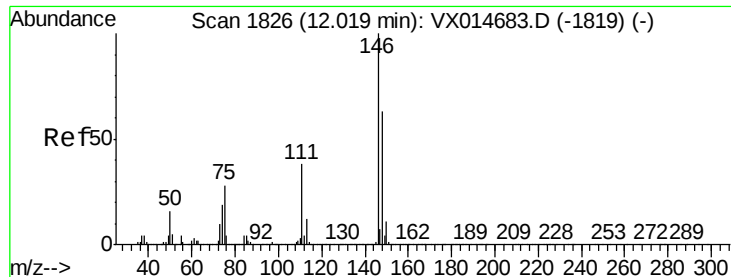
Tot Ion:105 Resp: 1060136  
 Ion Ratio Lower Upper  
 105 100  
 134 20.8 10.3 30.8



#86  
 p-Isopropyltoluene  
 Concen: 53.375 ug/l  
 RT: 12.06 min Scan# 1832  
 Delta R.T. -0.01 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

Tgt Ion:119 Resp: 991006  
 Ion Ratio Lower Upper  
 119 100  
 134 27.0 13.5 40.4  
 91 22.3 11.3 33.8

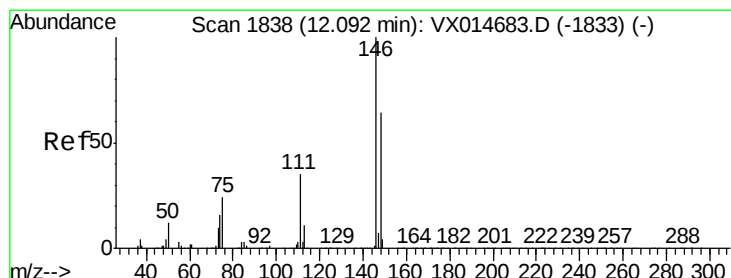
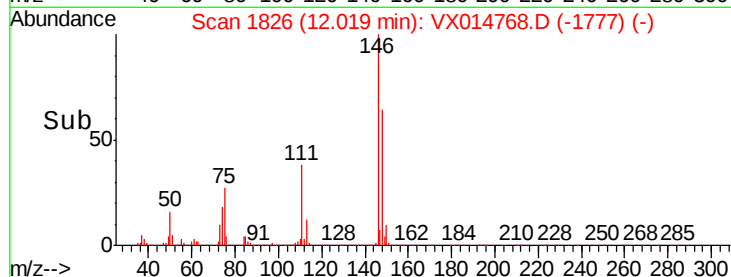
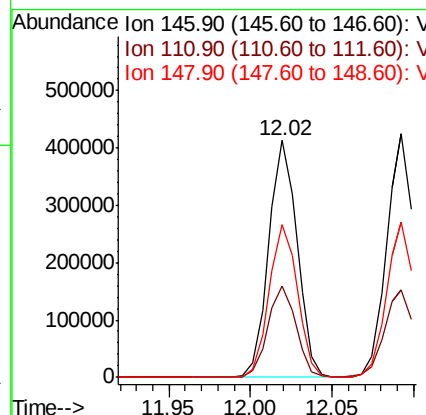
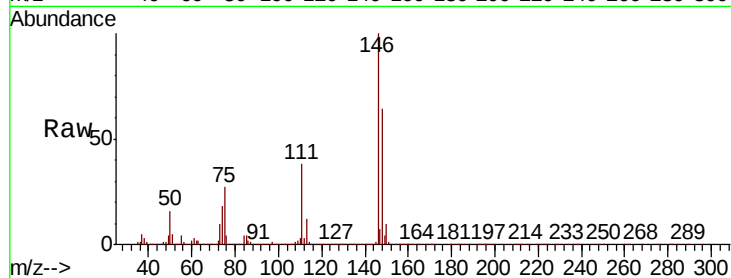




#87  
 1,3-Dichlorobenzene  
 Concen: 49.457 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

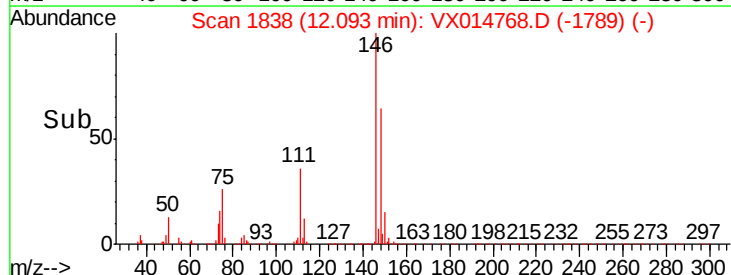
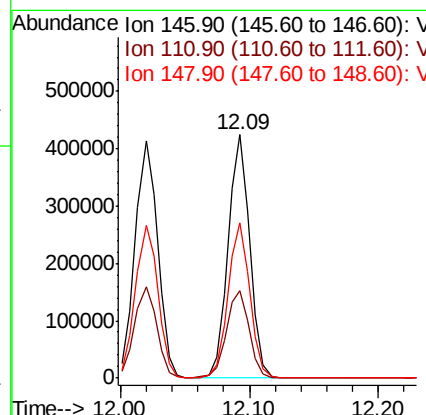
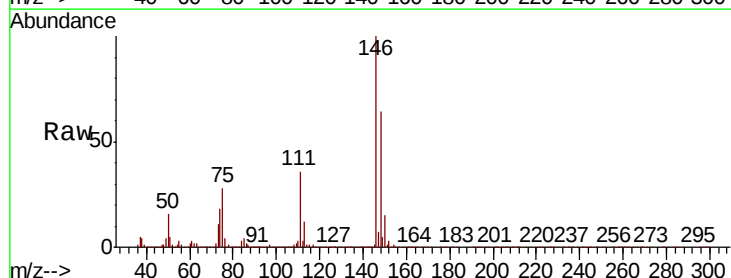
Instrument :  
 MSVOA\_X  
 ClientSampleId :

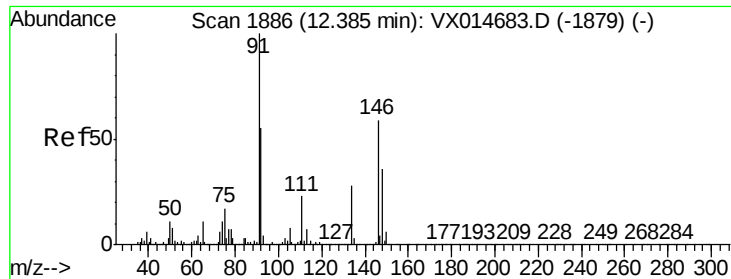
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 19.0  | 57.0  |
| 148     | 64.0  | 31.6  | 95.0  |



#88  
 1,4-Dichlorobenzene  
 Concen: 49.632 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. 0.00 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.6  | 18.6  | 55.8  |
| 148     | 63.8  | 32.0  | 96.2  |





#89

n-Butylbenzene

Concen: 53.483 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX014768.D

Acq: 30 Jan 2020 10:17

Instrument :

MSVOA\_X

ClientSampled :

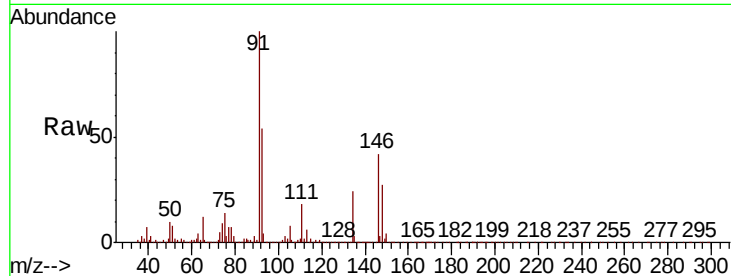
Tot Ion: 91 Resp: 864862

Ion Ratio Lower Upper

91 100

92 54.4 27.6 82.7

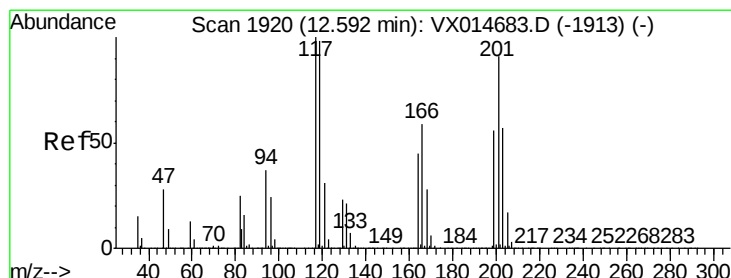
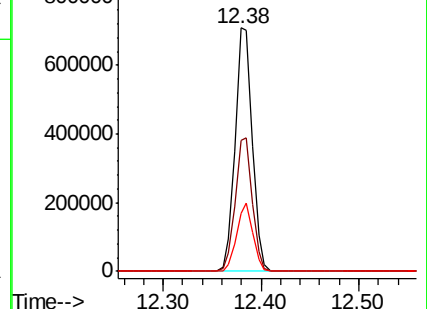
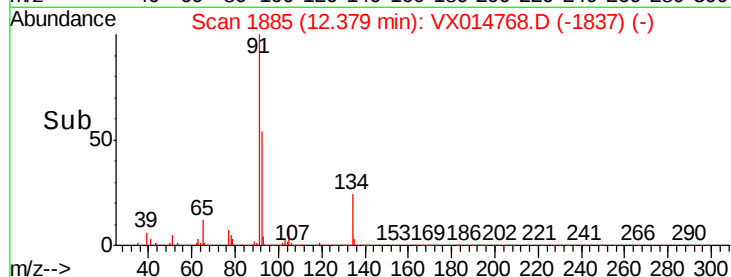
134 26.3 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 49.828 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX014768.D

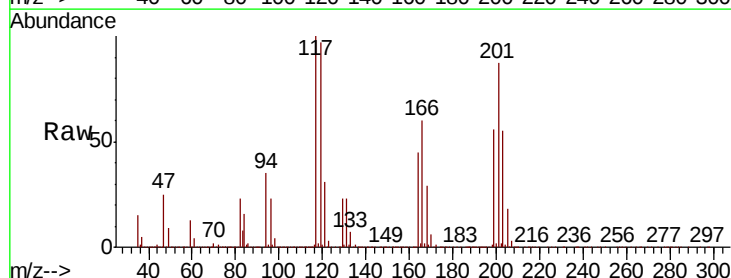
Acq: 30 Jan 2020 10:17

Tgt Ion: 117 Resp: 171841

Ion Ratio Lower Upper

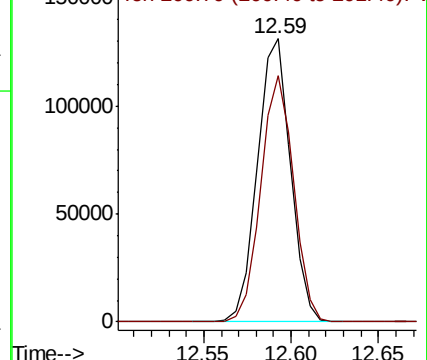
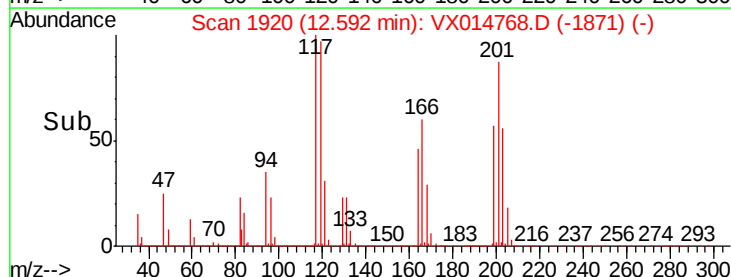
117 100

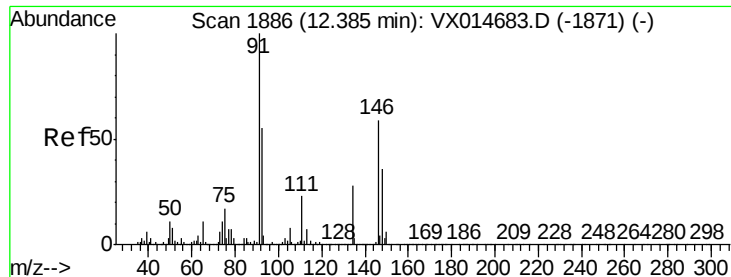
201 86.5 44.4 133.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

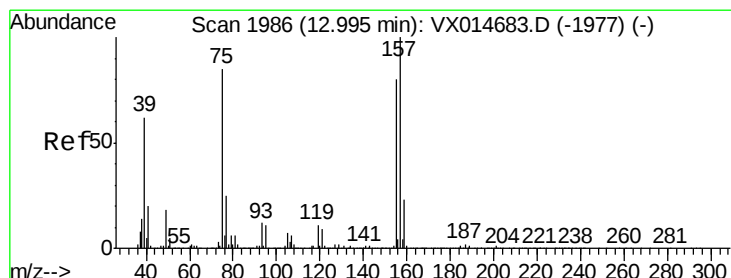
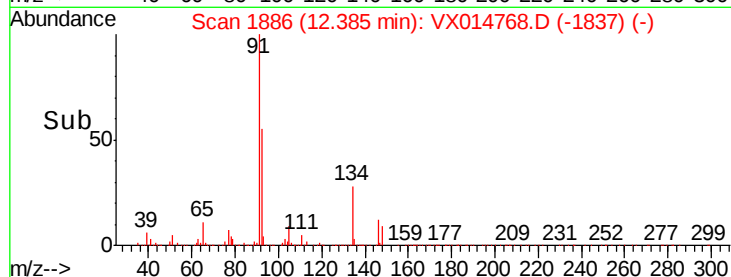
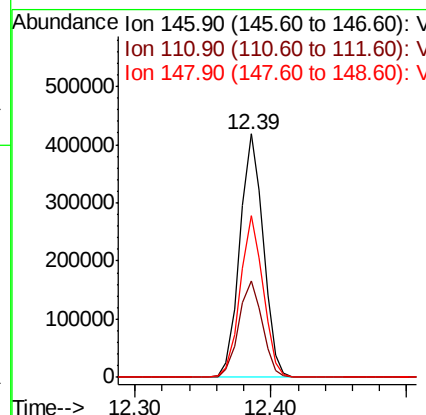
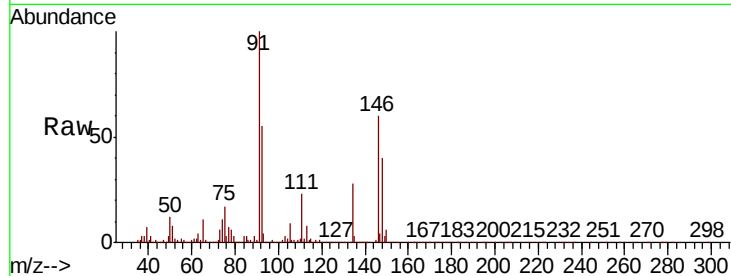




#91  
 1,2-Dichlorobenzene  
 Concen: 49.792 ug/l  
 RT: 12.39 min Scan# 1886  
 Delta R.T. 0.00 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

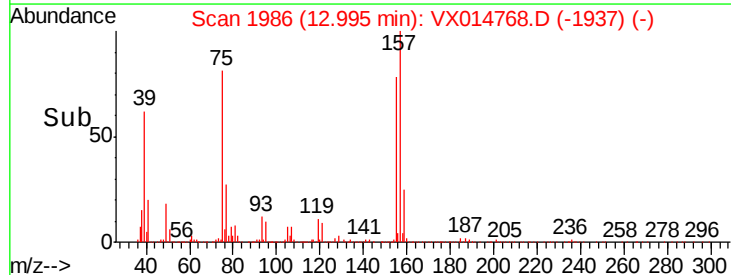
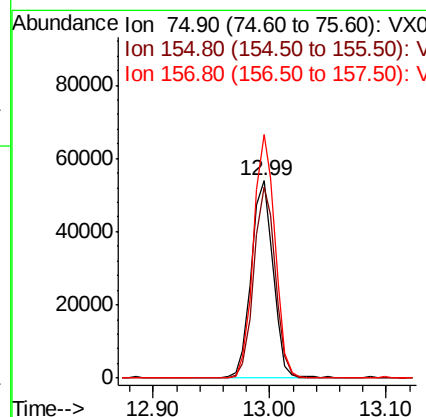
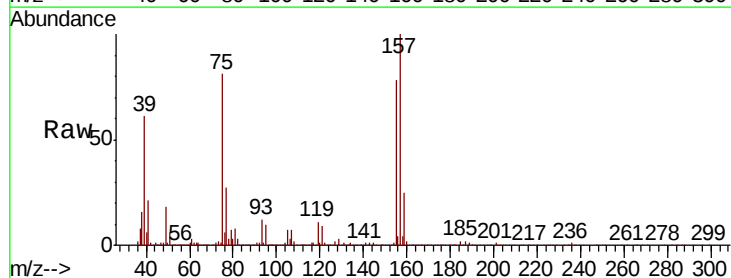
Instrument :  
 MSVOA\_X  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.6  | 19.6  | 58.8  |
| 148     | 64.7  | 31.9  | 95.9  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 43.882 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 95.6  | 45.6  | 136.9 |
| 157     | 121.8 | 60.3  | 180.9 |

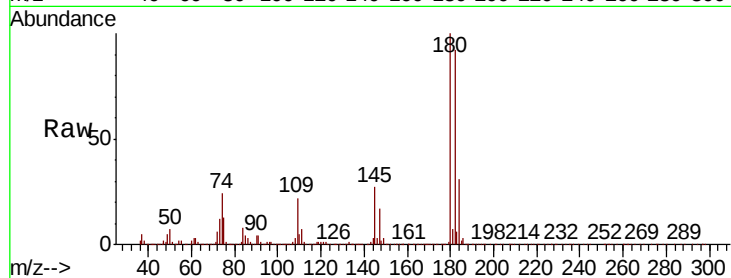




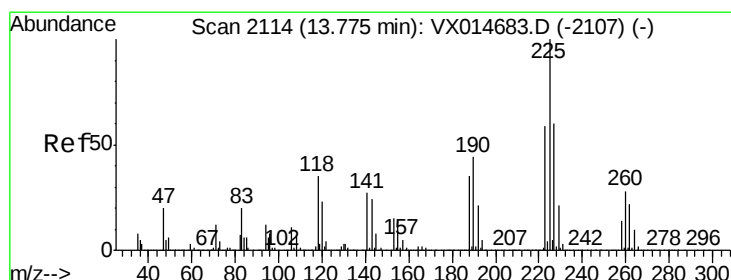
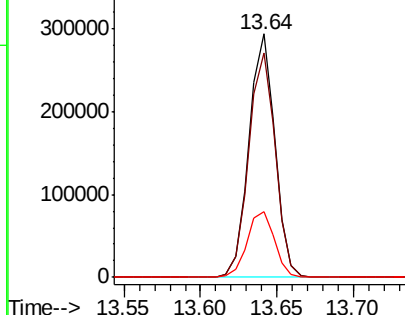
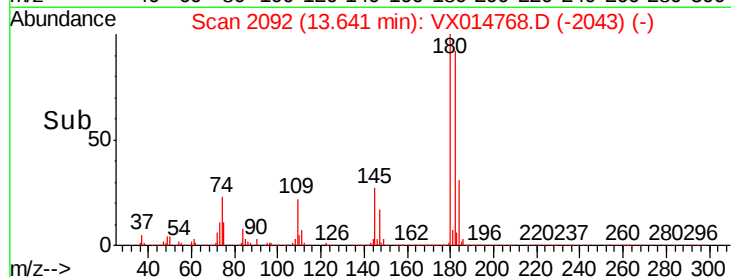
#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.072 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 48.5  | 145.6 |
| 145     | 28.3  | 14.0  | 41.9  |

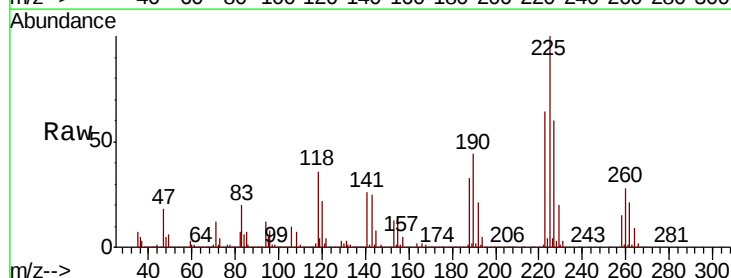


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

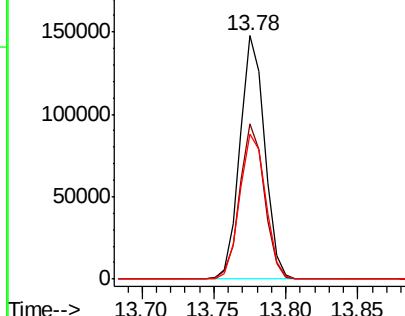
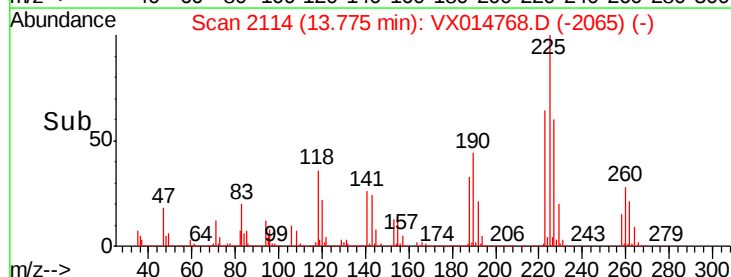


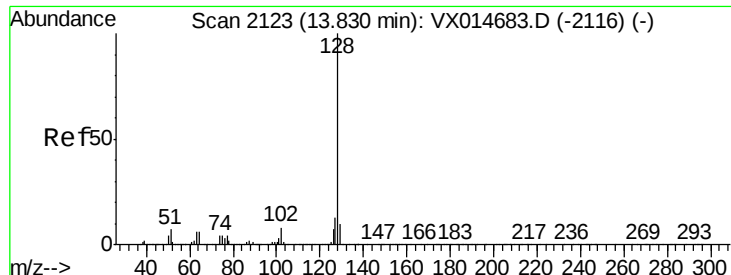
#94  
 Hexachlorobutadiene  
 Concen: 52.526 ug/l  
 RT: 13.78 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VX014768.D  
 Acq: 30 Jan 2020 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.6  | 30.6  | 91.8  |
| 227     | 62.7  | 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

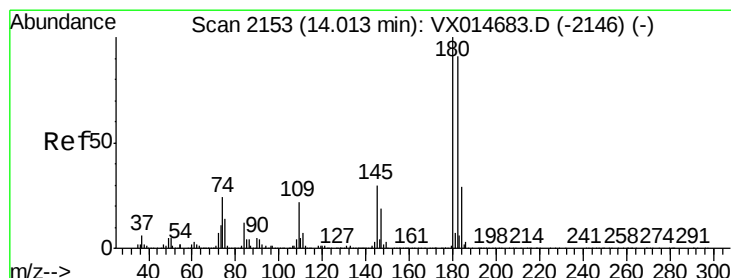
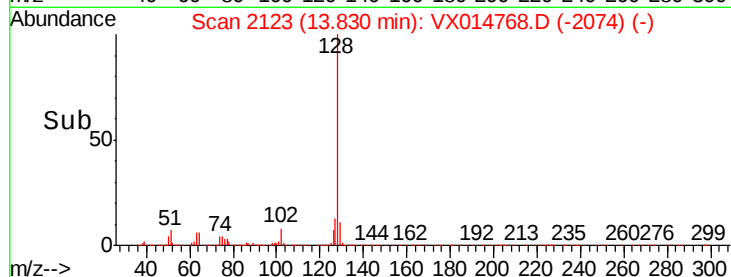
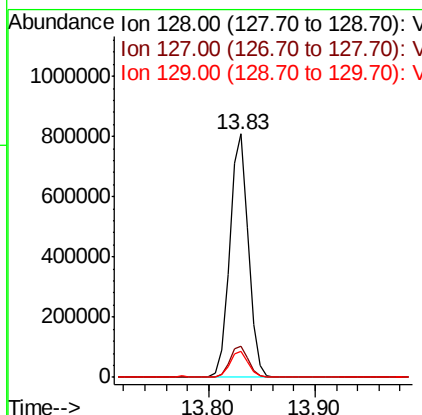
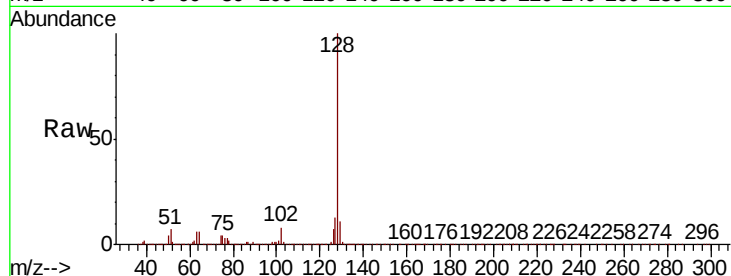




#95  
Naphthalene  
Concen: 47.033 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:128 Resp: 984796  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.3 15.5  
129 10.9 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 52.760 ug/l  
RT: 14.01 min Scan# 2153  
Delta R.T. 0.00 min  
Lab File: VX014768.D  
Acq: 30 Jan 2020 10:17

Tgt Ion:180 Resp: 346813  
Ion Ratio Lower Upper  
180 100  
182 95.3 46.6 139.7  
145 30.3 14.7 44.1

