

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123019\  
 Data File : VX014367.D  
 Acq On : 30 Dec 2019 20:26  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 31 01:23:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 17 03:01:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 466084   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 733717   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 662330   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 336015   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 269998   | 51.11 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.22% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 228204   | 51.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.32% |          |
| 50) Toluene-d8              | 8.71  | 98   | 875582   | 50.42 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.84% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 312699   | 49.26 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.52%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85   | 177158   | 42.487  | ug/l  | 99     |
| 3) Chloromethane              | 1.32 | 50   | 244546   | 43.701  | ug/l  | 100    |
| 4) Vinyl Chloride             | 1.40 | 62   | 267681   | 45.334  | ug/l  | 100    |
| 5) Bromomethane               | 1.63 | 94   | 133132   | 31.768  | ug/l  | 99     |
| 6) Chloroethane               | 1.72 | 64   | 173530   | 47.617  | ug/l  | 97     |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 347981   | 47.608  | ug/l  | 100    |
| 8) Diethyl Ether              | 2.18 | 74   | 167708   | 48.888  | ug/l  | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101  | 215384   | 48.884  | ug/l  | 99     |
| 10) Methyl Iodide             | 2.50 | 142  | 173878   | 30.977  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 3.03 | 59   | 279486   | 244.860 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96   | 213792   | 47.685  | ug/l  | 98     |
| 13) Acrolein                  | 2.28 | 56   | 160992   | 246.399 | ug/l  | 97     |
| 14) Allyl chloride            | 2.72 | 41   | 405926   | 50.709  | ug/l  | 98     |
| 15) Acrylonitrile             | 3.13 | 53   | 723252   | 271.478 | ug/l  | 100    |
| 16) Acetone                   | 2.43 | 43   | 618973   | 180.489 | ug/l  | 99     |
| 17) Carbon Disulfide          | 2.56 | 76   | 526618   | 42.425  | ug/l  | 99     |
| 18) Methyl Acetate            | 2.76 | 43   | 373227   | 54.922  | ug/l  | 98     |
| 19) Methyl tert-butyl Ether   | 3.19 | 73   | 764016   | 51.858  | ug/l  | 99     |
| 20) Methylene Chloride        | 2.85 | 84   | 258058   | 47.785  | ug/l  | 99     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96   | 238538   | 48.293  | ug/l  | 98     |
| 22) Diisopropyl ether         | 3.84 | 45   | 856786   | 53.710  | ug/l  | 99     |
| 23) Vinyl Acetate             | 3.80 | 43   | 3621283  | 278.180 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 3.69 | 63   | 448221   | 50.503  | ug/l  | 99     |
| 25) 2-Butanone                | 4.65 | 43   | 1014164  | 239.864 | ug/l  | 98     |
| 26) 2,2-Dichloropropane       | 4.58 | 77   | 318085   | 46.161  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96   | 277839   | 49.737  | ug/l  | 99     |
| 28) Bromochloromethane        | 5.00 | 49   | 191991   | 56.193  | ug/l  | 95     |
| 29) Tetrahydrofuran           | 5.11 | 42   | 650592   | 275.107 | ug/l  | 99     |
| 30) Chloroform                | 5.20 | 83   | 432601   | 51.418  | ug/l  | 99     |
| 31) Cyclohexane               | 5.57 | 56   | 392294   | 49.698  | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97   | 359008   | 50.067  | ug/l  | 100    |
| 36) 1,1-Dichloropropene       | 5.79 | 75   | 319517   | 47.460  | ug/l  | 99     |
| 37) Ethyl Acetate             | 4.82 | 43   | 387172   | 52.079  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117  | 299540   | 48.840  | ug/l  | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX123019\  
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 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 31 01:23:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 17 03:01:07 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 389499   | 46.856  | ug/l  | 99       |
| 40) Benzene                    | 6.14  | 78   | 1008075  | 48.665  | ug/l  | 99       |
| 41) Methacrylonitrile          | 5.03  | 41   | 220327   | 53.413  | ug/l  | 97       |
| 42) 1,2-Dichloroethane         | 6.19  | 62   | 346020   | 49.279  | ug/l  | 98       |
| 43) Isopropyl Acetate          | 6.44  | 43   | 641035   | 52.102  | ug/l  | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 265725   | 46.443  | ug/l  | 96       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 269236   | 50.710  | ug/l  | 98       |
| 46) Dibromomethane             | 7.65  | 93   | 170643   | 48.613  | ug/l  | 98       |
| 47) Bromodichloromethane       | 7.89  | 83   | 338719   | 51.236  | ug/l  | 98       |
| 48) Methyl methacrylate        | 7.76  | 41   | 311679   | 51.734  | ug/l  | 98       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 112041   | 913.850 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 2016974  | 261.037 | ug/l  | 99       |
| 52) Toluene                    | 8.78  | 92   | 631679   | 48.246  | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 371919   | 51.306  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 416194   | 51.535  | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 265469   | 50.589  | ug/l  | 99       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 424024   | 51.441  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 453266   | 51.339  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 839079   | 268.984 | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 1532848  | 246.436 | ug/l  | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 273186   | 52.374  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 269592   | 50.212  | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.33  | 164  | 271744   | 46.366  | ug/l  | 95       |
| 65) Chlorobenzene              | 10.14 | 112  | 680833   | 48.345  | ug/l  | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 250858   | 49.889  | ug/l  | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 1195933  | 49.395  | ug/l  | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 916835   | 98.456  | ug/l  | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 451394   | 49.425  | ug/l  | 100      |
| 70) Styrene                    | 10.71 | 104  | 767857   | 49.720  | ug/l  | 99       |
| 71) Bromoform                  | 10.85 | 173  | 208192   | 51.508  | ug/l  | 100      |
| 73) Isopropylbenzene           | 11.01 | 105  | 1170282  | 49.467  | ug/l  | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 565068   | 50.955  | ug/l  | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 415326   | 50.637  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 464172   | 63.630  | ug/l  | 87       |
| 77) Bromobenzene               | 11.25 | 156  | 304255   | 46.742  | ug/l  | 98       |
| 78) n-propylbenzene            | 11.35 | 91   | 1343780  | 50.639  | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 791435   | 49.063  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 983658   | 49.403  | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 131344   | 50.820  | ug/l  | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 914530   | 48.876  | ug/l  | 98       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 968687   | 49.993  | ug/l  | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 992159   | 49.759  | ug/l  | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 1144354  | 50.028  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 1045194  | 49.952  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 541369   | 47.455  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 539120   | 46.477  | ug/l  | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 912844   | 51.129  | ug/l  | 100      |
| 90) Hexachloroethane           | 12.59 | 117  | 185948   | 49.477  | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 544832   | 47.442  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 87233    | 48.061  | ug/l  | 98       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 26 Sample Multiplier: 1

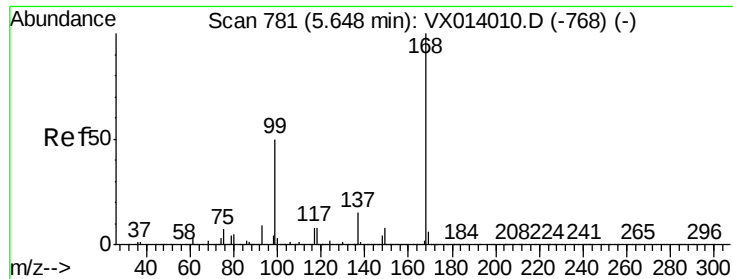
Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 31 01:23:23 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 17 03:01:07 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 366946   | 49.161 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 174694   | 48.699 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 1156828  | 52.751 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 372664   | 50.577 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

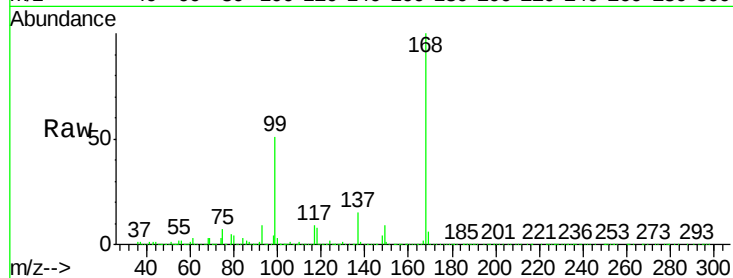
ClientSampleId :

Tot Ion:168 Resp: 466084

Ion Ratio Lower Upper

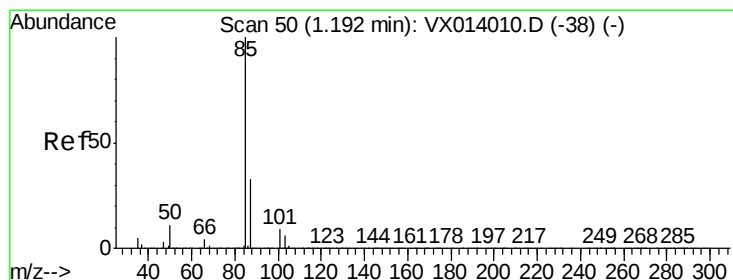
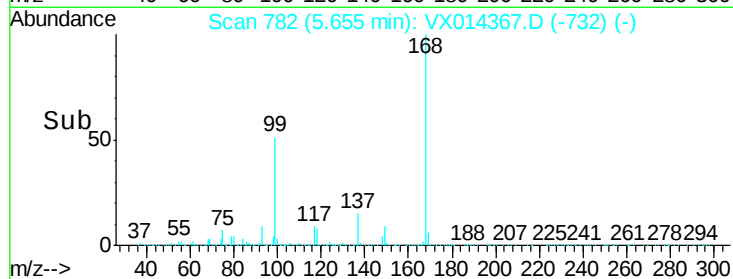
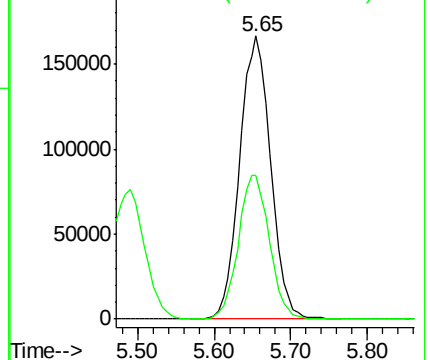
168 100

99 50.9 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 42.487 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014367.D

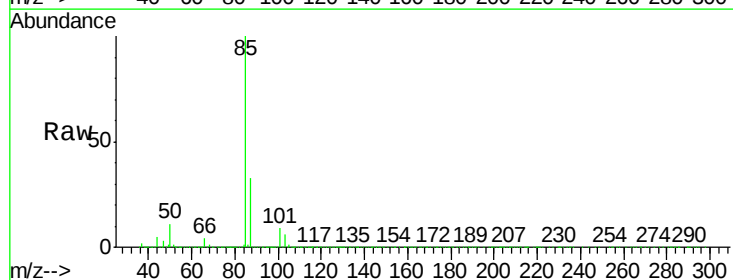
Acq: 30 Dec 2019 20:26

Tgt Ion: 85 Resp: 177158

Ion Ratio Lower Upper

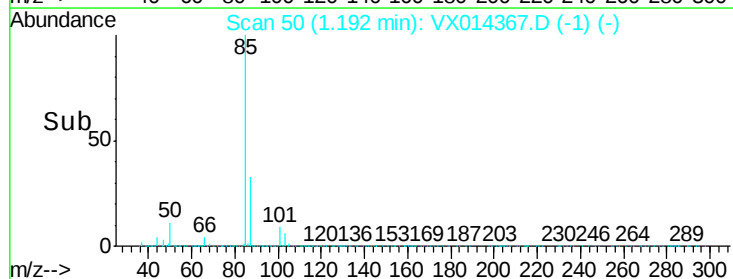
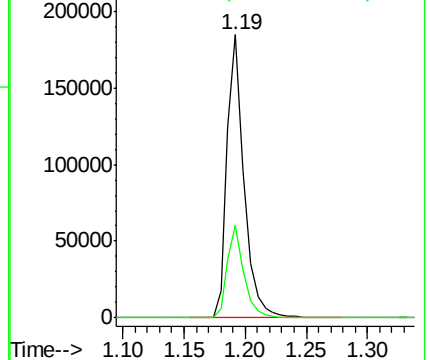
85 100

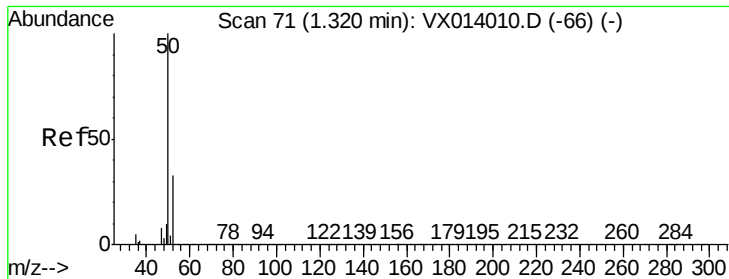
87 32.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 43.701 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

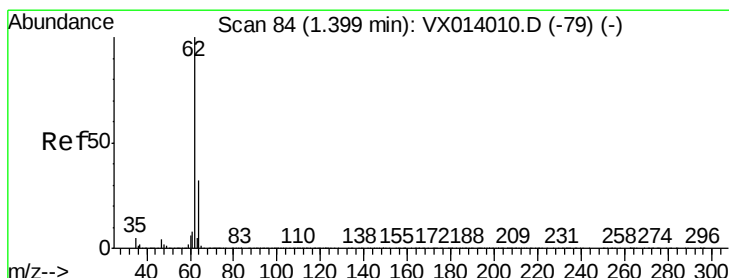
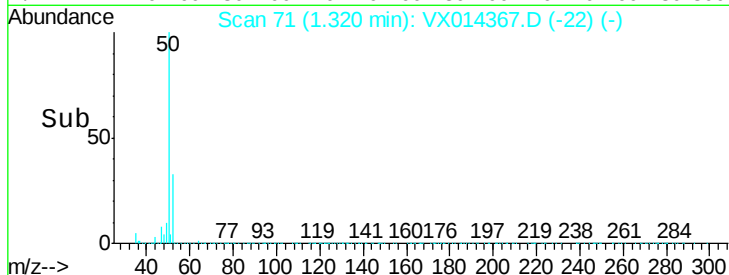
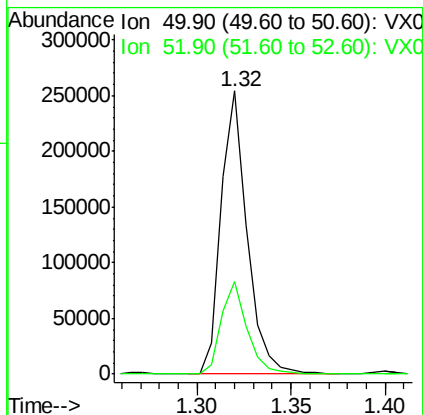
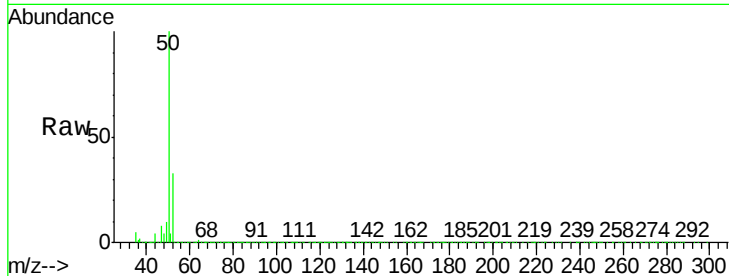
ClientSampleId :

Tot Ion: 50 Resp: 244546

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.4



#4

Vinyl Chloride

Concen: 45.334 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014367.D

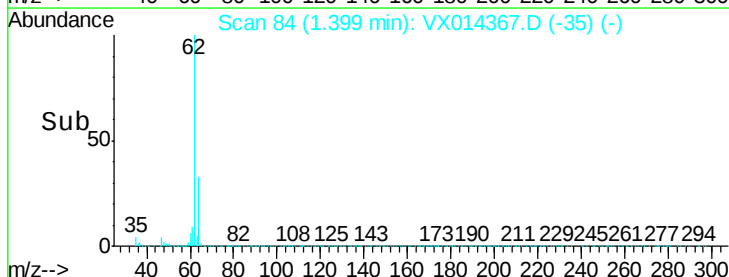
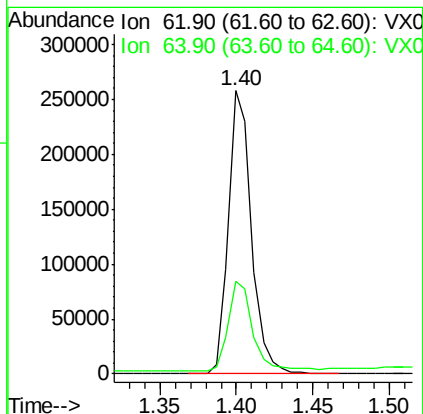
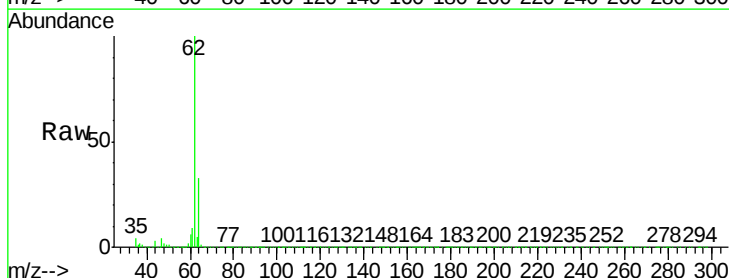
Acq: 30 Dec 2019 20:26

Tgt Ion: 62 Resp: 267681

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5





#5

Bromomethane

Concen: 31.768 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

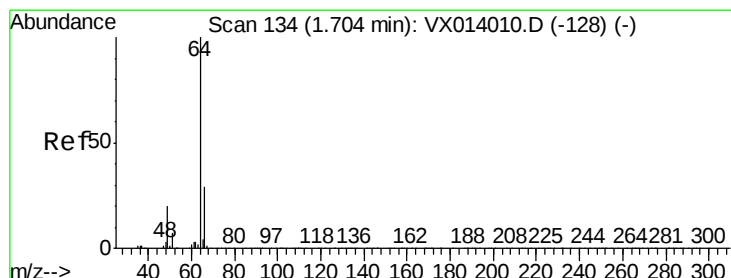
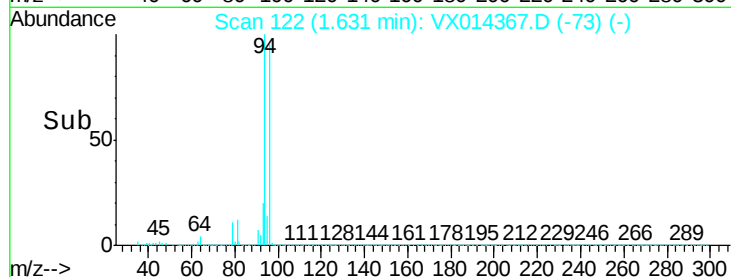
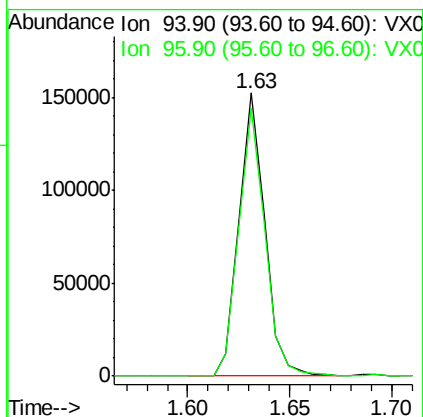
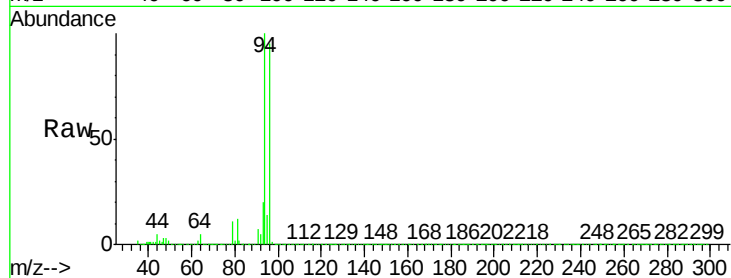
ClientSampleId :

Tot Ion: 94 Resp: 133132

Ion Ratio Lower Upper

94 100

96 94.6 75.2 112.8



#6

Chloroethane

Concen: 47.617 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX014367.D

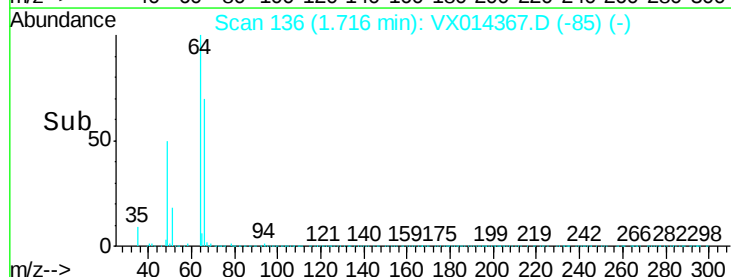
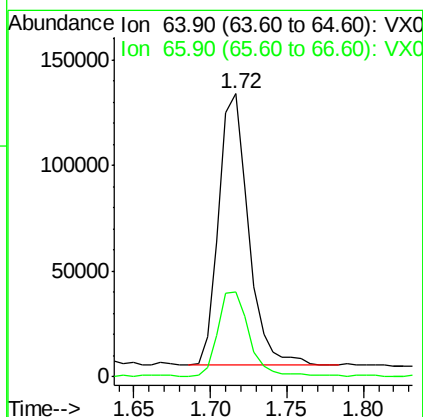
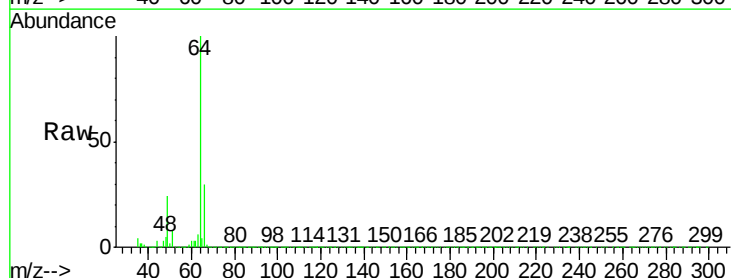
Acq: 30 Dec 2019 20:26

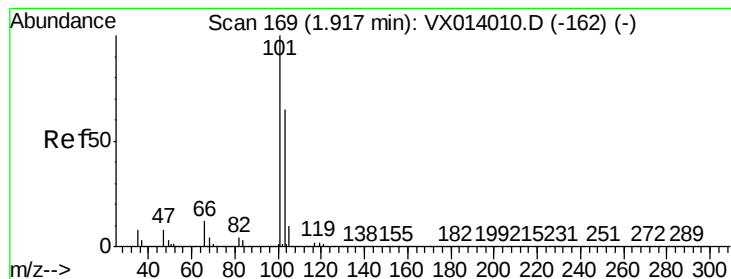
Tgt Ion: 64 Resp: 173530

Ion Ratio Lower Upper

64 100

66 31.0 23.4 35.2



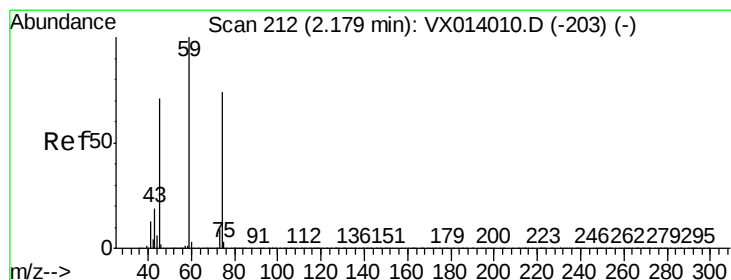
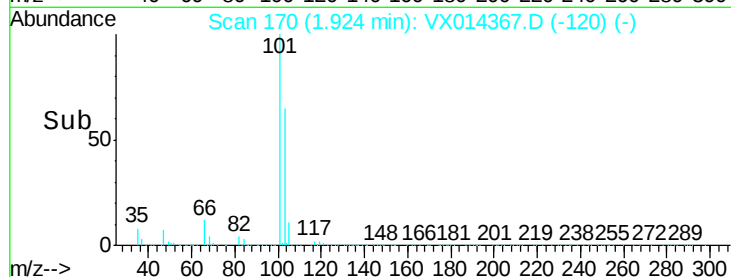
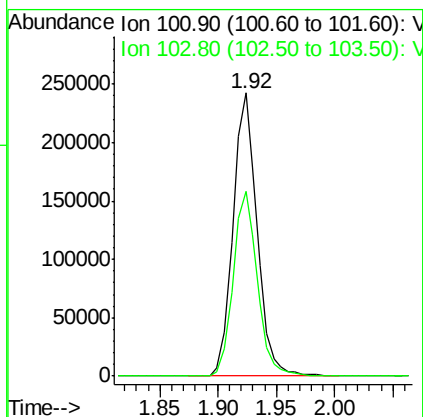
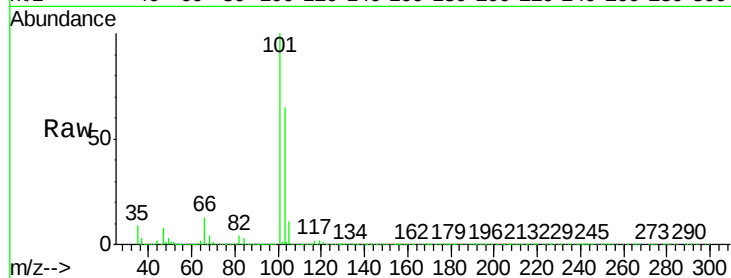


#7

Trichlorofluoromethane  
Concen: 47.608 ug/l  
RT: 1.92 min Scan# 170  
Delta R.T. 0.01 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Instrument :  
MSVOA\_X  
ClientSampled :

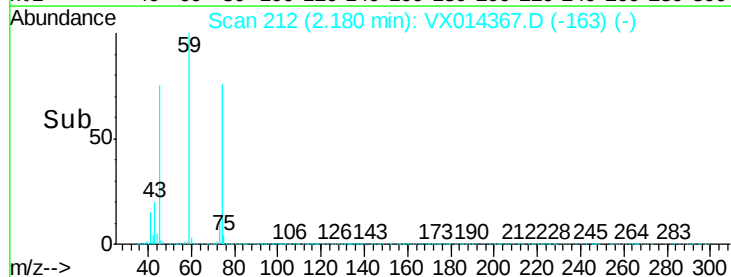
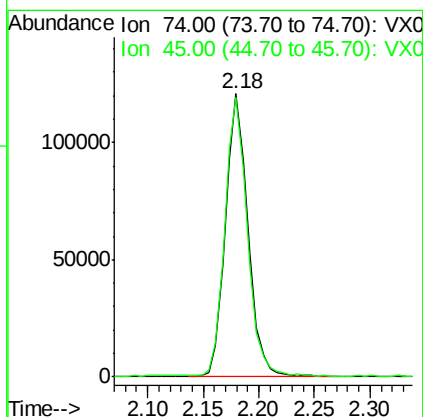
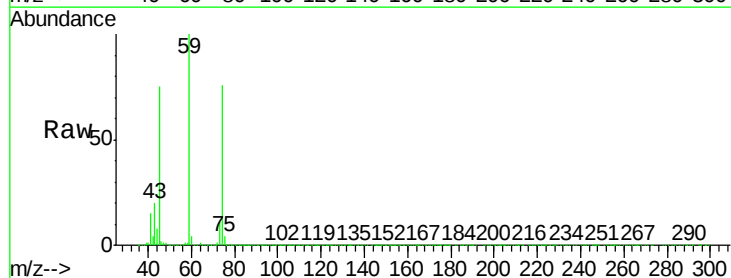
Tot Ion:101 Resp: 347981  
Ion Ratio Lower Upper  
101 100  
103 65.2 52.2 78.4



#8

Diethyl Ether  
Concen: 48.888 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Tgt Ion: 74 Resp: 167708  
Ion Ratio Lower Upper  
74 100  
45 98.7 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.884 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

ClientSampled :

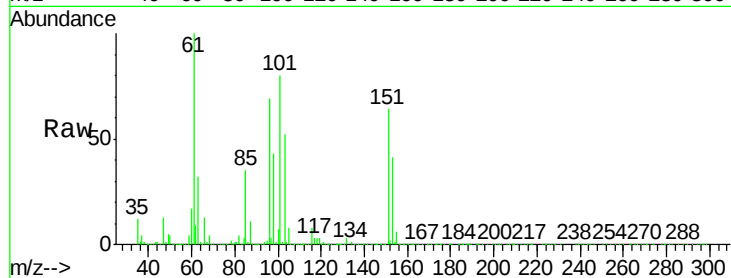
Tot Ion:101 Resp: 215384

Ion Ratio Lower Upper

101 100

85 42.7 33.7 50.5

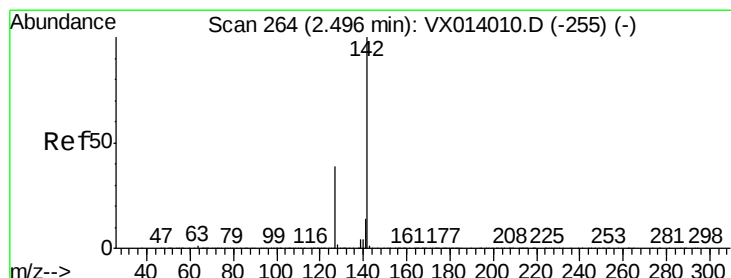
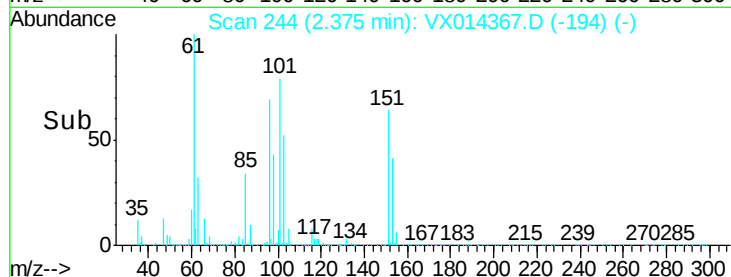
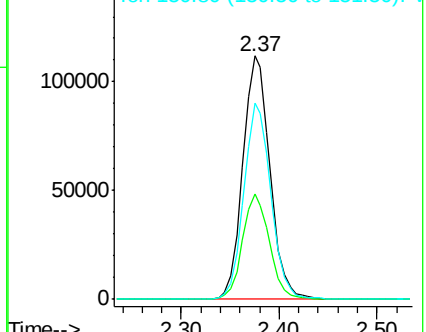
151 80.2 64.5 96.7



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: 30.977 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

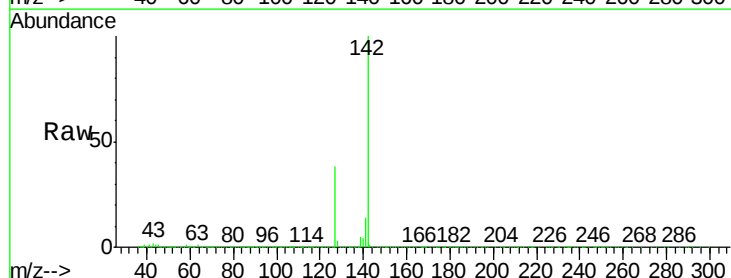
Tgt Ion:142 Resp: 173878

Ion Ratio Lower Upper

142 100

127 39.0 31.6 47.4

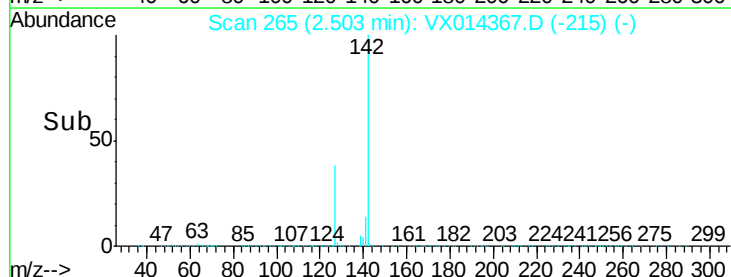
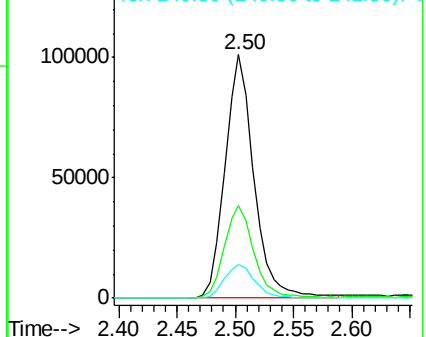
141 14.7 11.6 17.4

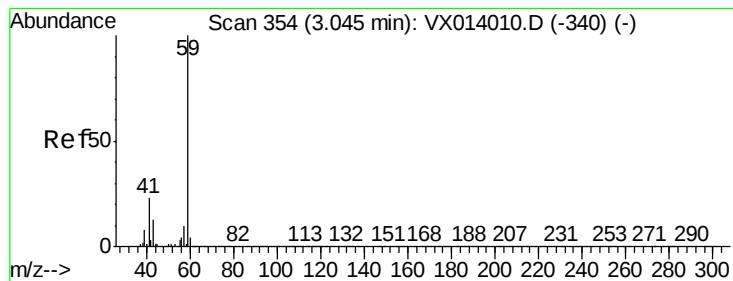


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



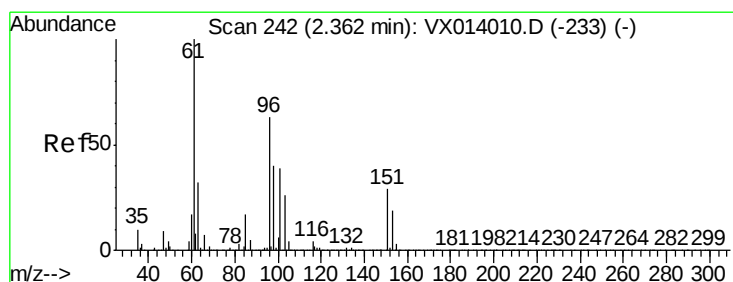
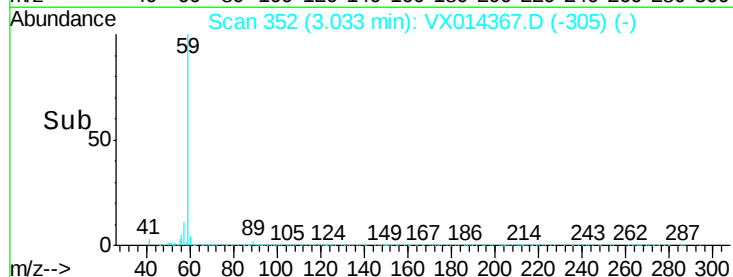
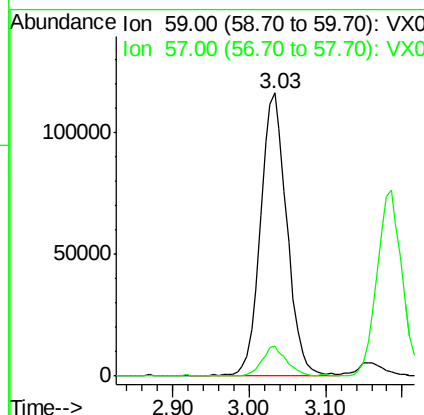
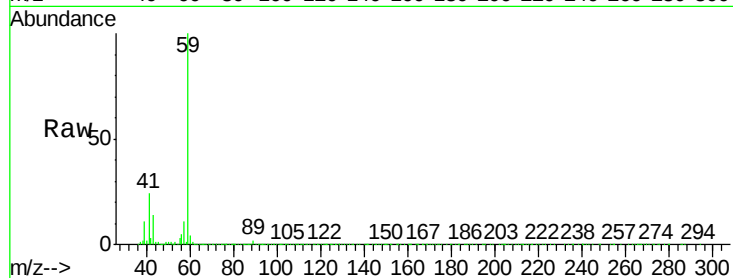


#11

Tert butyl alcohol  
Concen: 244.860 ug/l  
RT: 3.03 min Scan# 352  
Delta R.T. -0.01 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Instrument :  
MSVOA\_X  
ClientSampleId :

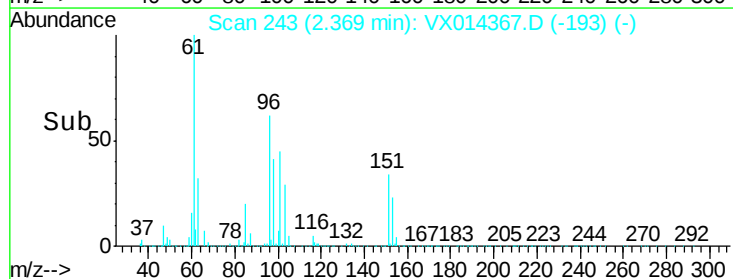
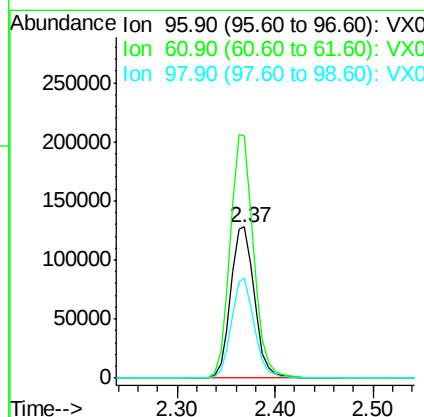
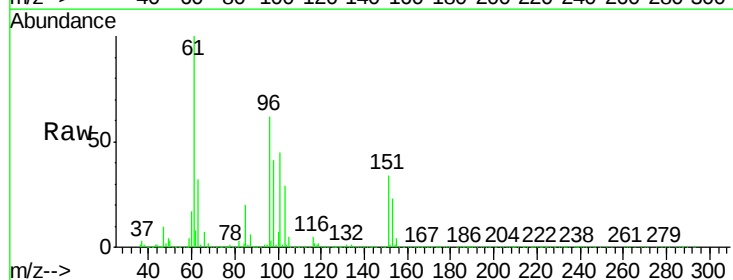
Tot Ion: 59 Resp: 279486  
Ion Ratio Lower Upper  
59 100  
57 10.1 8.4 12.6

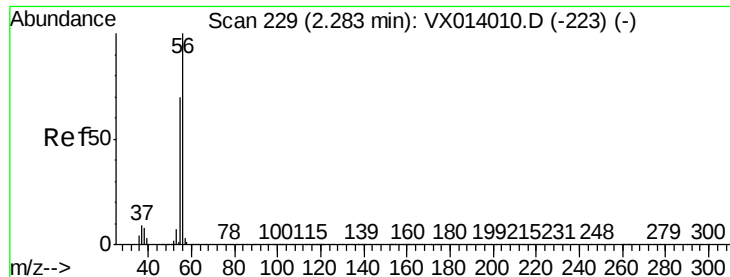


#12

1,1-Dichloroethene  
Concen: 47.685 ug/l  
RT: 2.37 min Scan# 243  
Delta R.T. 0.01 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Tgt Ion: 96 Resp: 213792  
Ion Ratio Lower Upper  
96 100  
61 160.8 127.9 191.9  
98 66.6 50.5 75.7

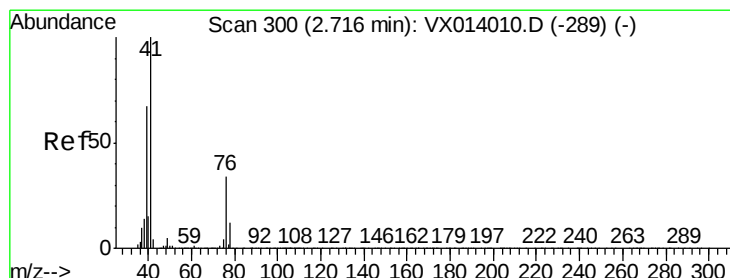
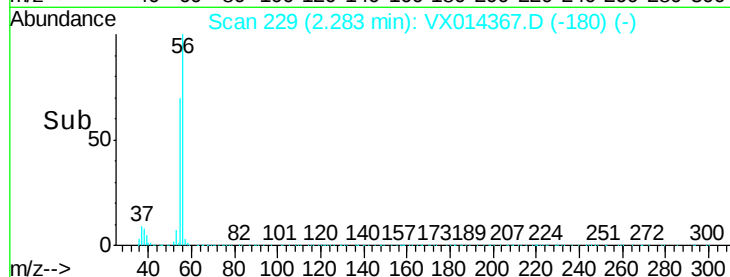
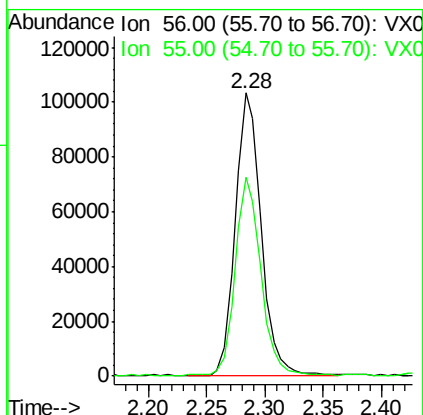
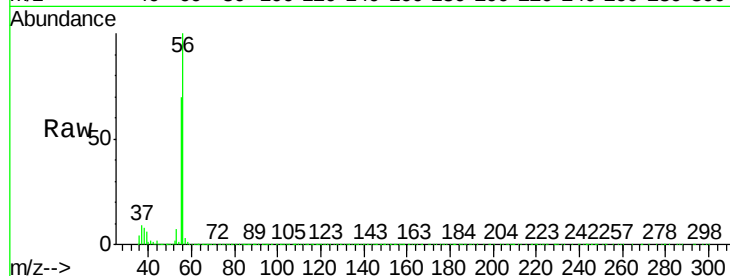




#13  
Acrolein  
Concen: 246.399 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

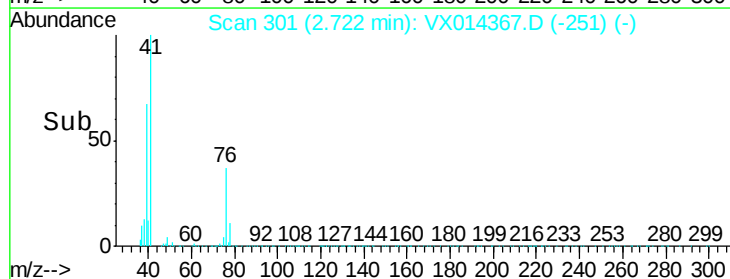
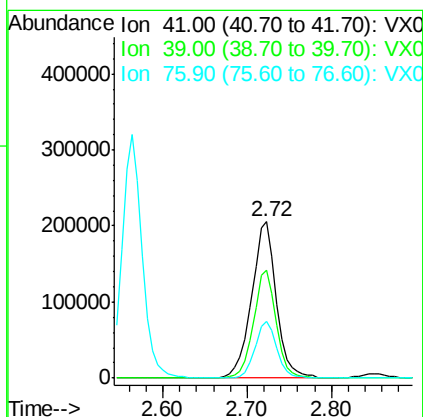
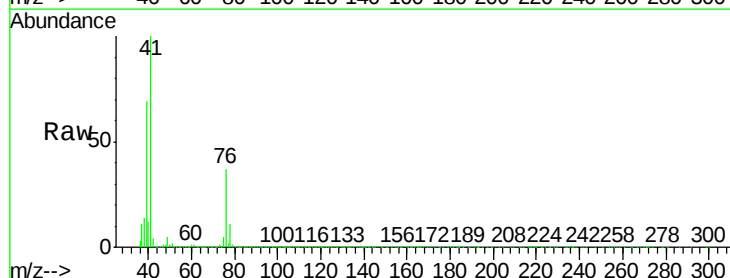
Instrument :  
MSVOA\_X  
ClientSampleId :

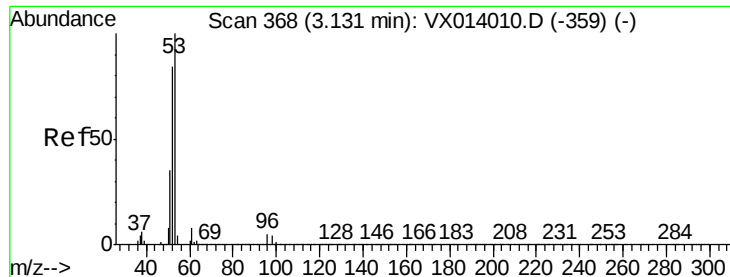
Tot Ion: 56 Resp: 160992  
Ion Ratio Lower Upper  
56 100  
55 68.9 56.9 85.3



#14  
Allyl chloride  
Concen: 50.709 ug/l  
RT: 2.72 min Scan# 301  
Delta R.T. 0.01 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Tgt Ion: 41 Resp: 405926  
Ion Ratio Lower Upper  
41 100  
39 63.1 51.8 77.8  
76 31.9 25.9 38.9





#15

Acrylonitrile

Concen: 271.478 ug/l

RT: 3.13 min Scan# 368

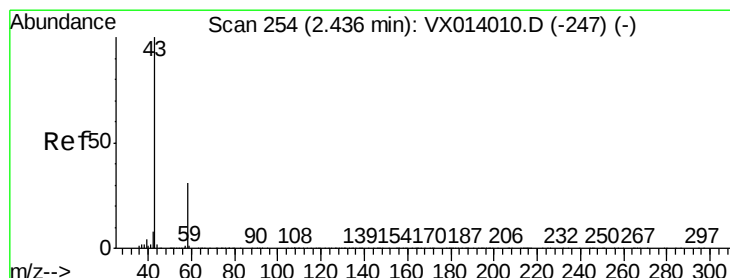
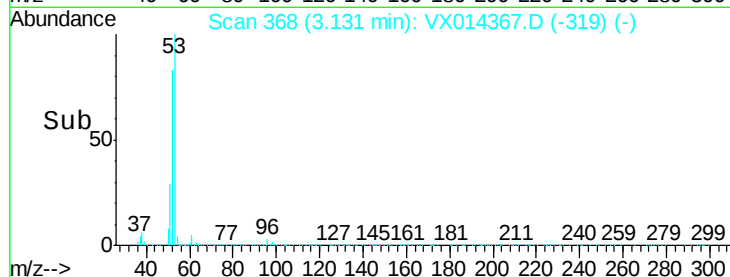
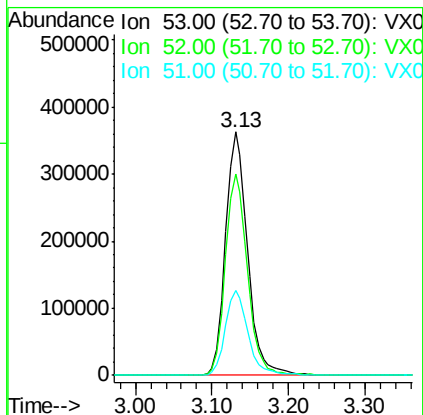
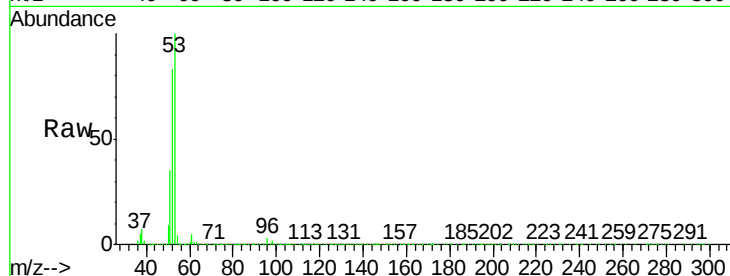
Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :  
MSVOA\_X  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 723252 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.8  | 66.5  | 99.7   |
| 51       | 35.6  | 28.1  | 42.1   |



#16

Acetone

Concen: 180.489 ug/l

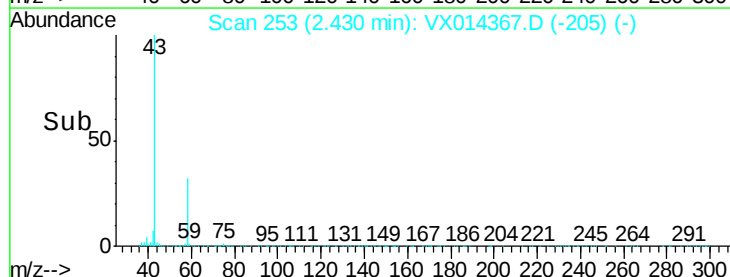
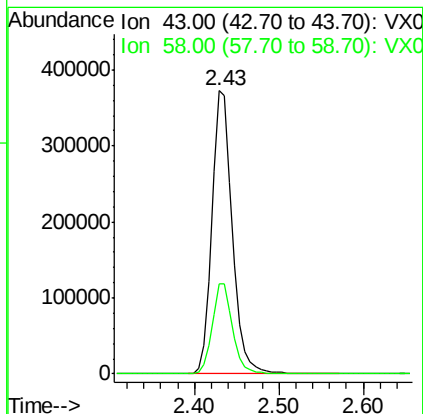
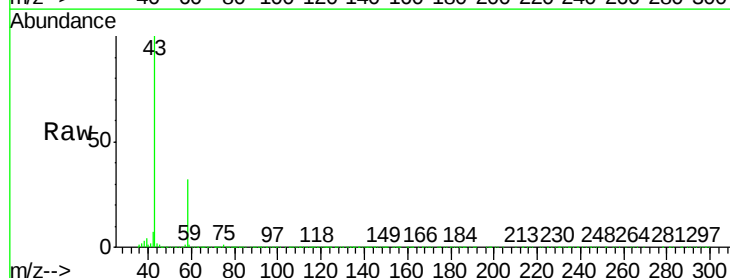
RT: 2.43 min Scan# 253

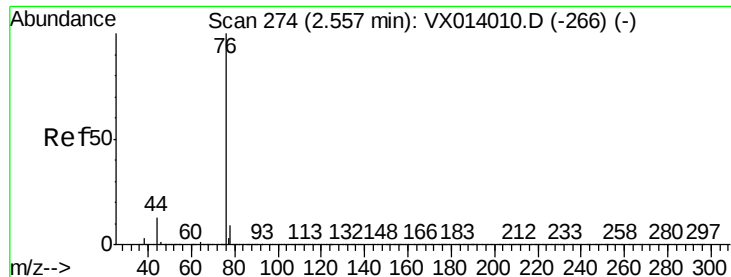
Delta R.T. -0.01 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 618973 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 31.6  | 24.9  | 37.3   |

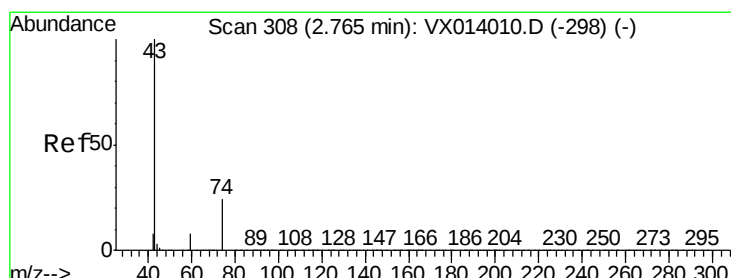
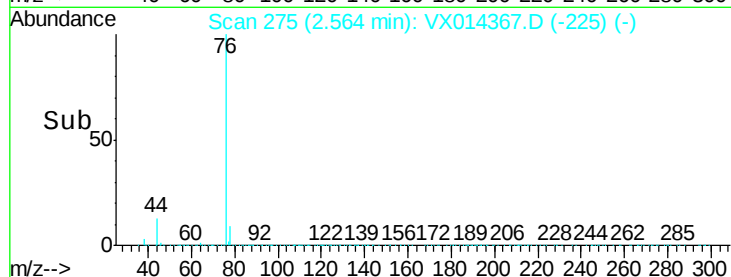
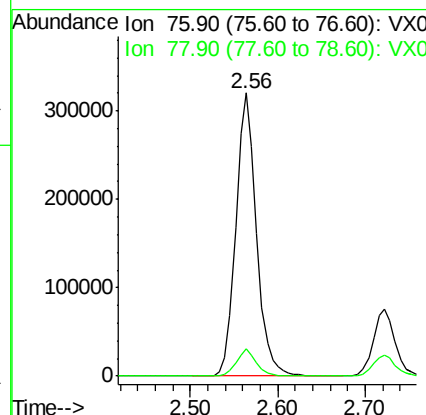
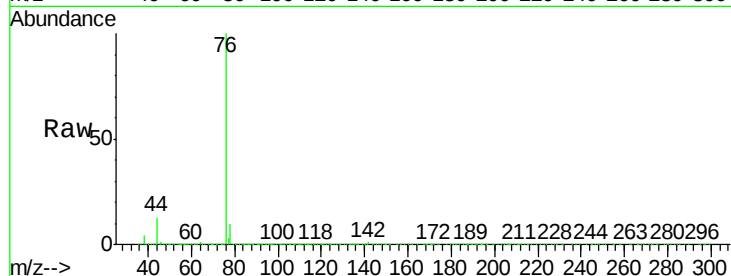




#17  
Carbon Disulfide  
Concen: 42.425 ug/l  
RT: 2.56 min Scan# 275  
Delta R.T. 0.01 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

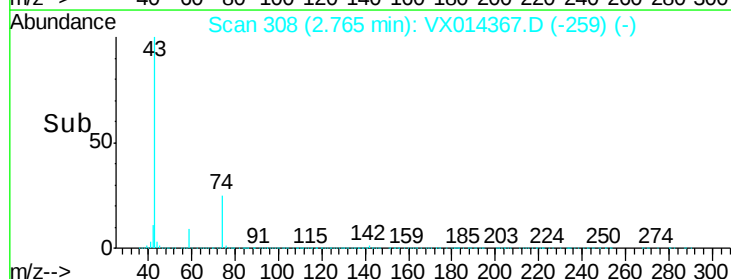
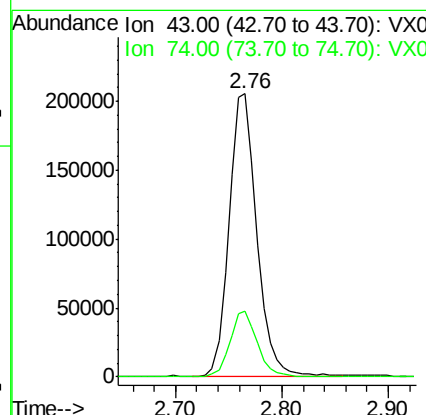
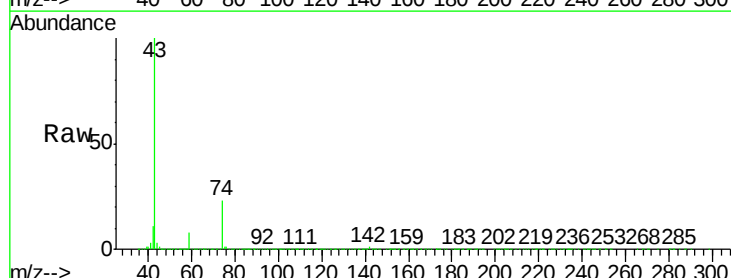
Instrument :  
MSVOA\_X  
ClientSampleId :

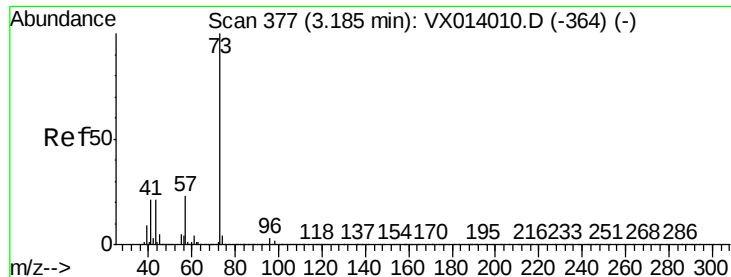
Tot Ion: 76 Resp: 526618  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.2 10.8



#18  
Methyl Acetate  
Concen: 54.922 ug/l  
RT: 2.76 min Scan# 308  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Tgt Ion: 43 Resp: 373227  
Ion Ratio Lower Upper  
43 100  
74 23.2 19.5 29.3

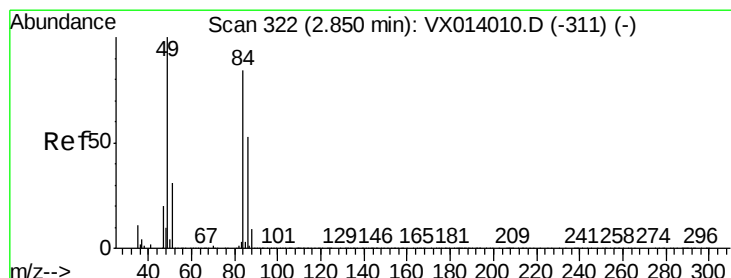
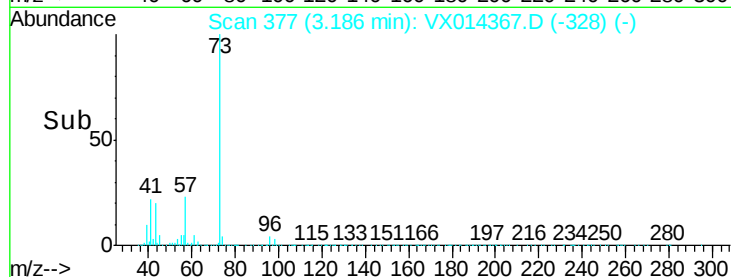
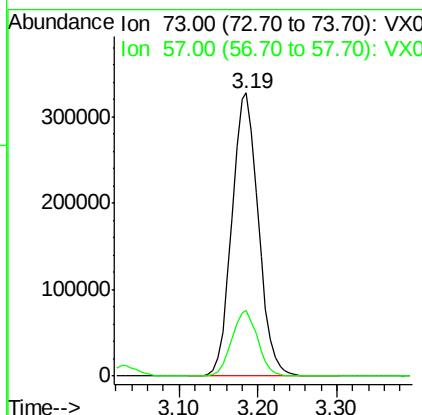
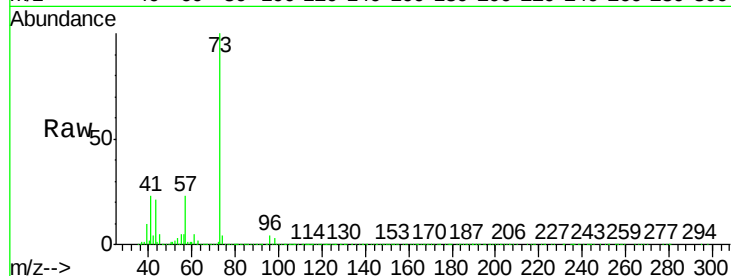




#19  
Methyl tert-butyl Ether  
Concen: 51.858 ug/l  
RT: 3.19 min Scan# 377  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

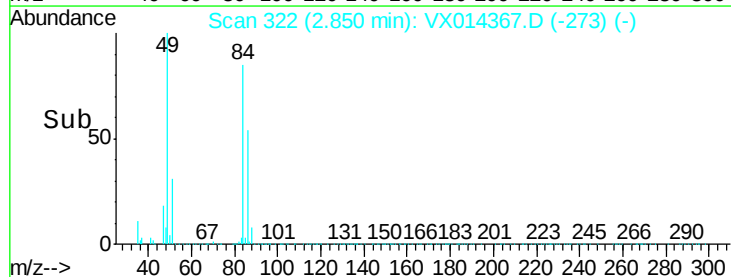
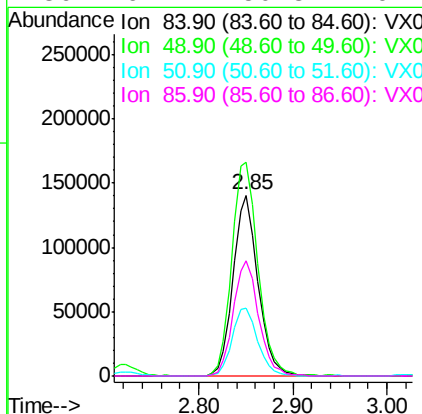
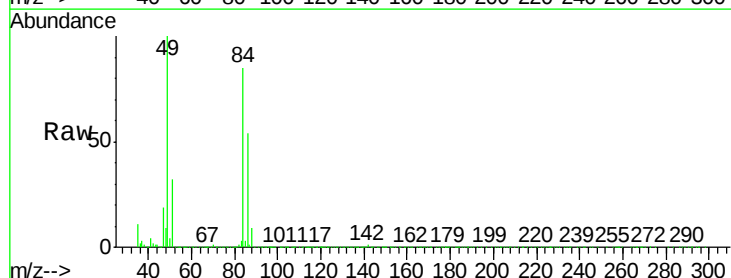
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 73 Resp: 764016  
Ion Ratio Lower Upper  
73 100  
57 23.2 18.8 28.2



#20  
Methylene Chloride  
Concen: 47.785 ug/l  
RT: 2.85 min Scan# 322  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Tgt Ion: 84 Resp: 258058  
Ion Ratio Lower Upper  
84 100  
49 118.3 95.8 143.6  
51 37.0 29.8 44.8  
86 64.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 48.293 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :  
MSVOA\_X  
ClientSampleId :

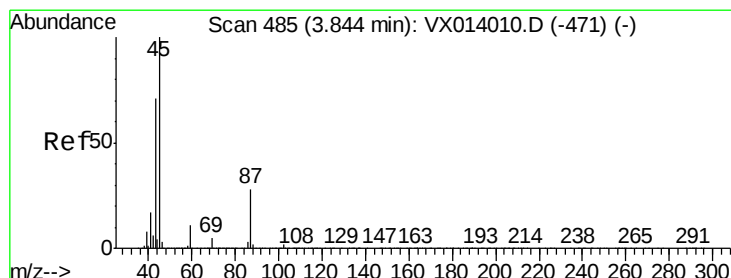
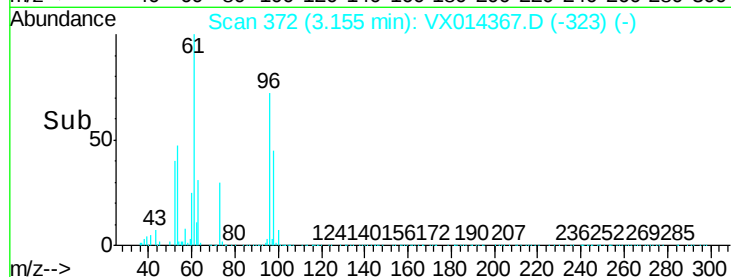
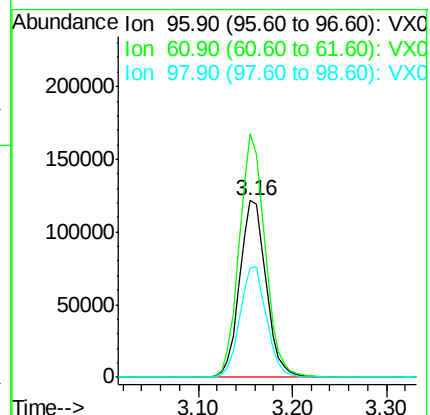
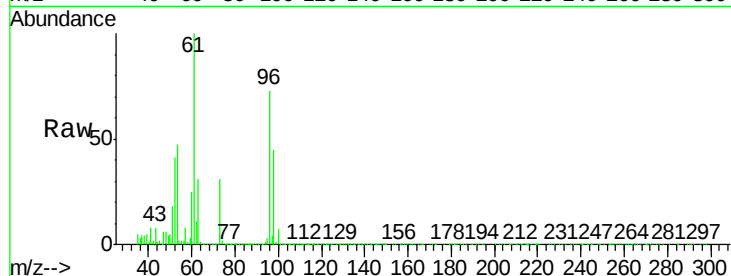
Tot Ion: 96 Resp: 238538

Ion Ratio Lower Upper

96 100

61 137.8 108.3 162.5

98 61.7 50.8 76.2



#22

Diisopropyl ether

Concen: 53.710 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Tgt Ion: 45 Resp: 856786

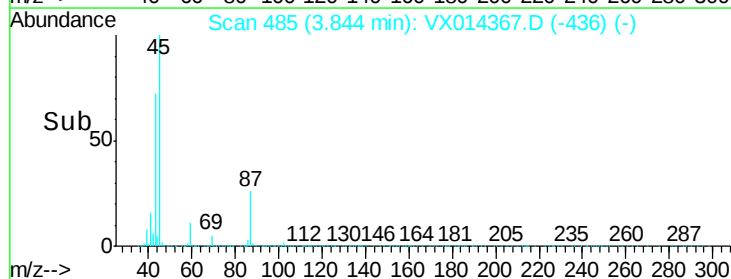
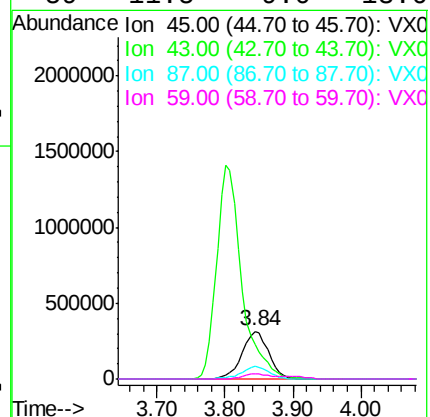
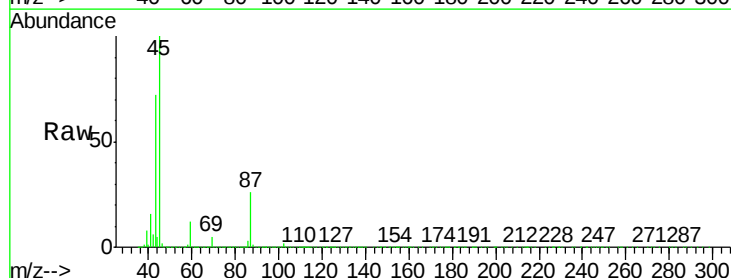
Ion Ratio Lower Upper

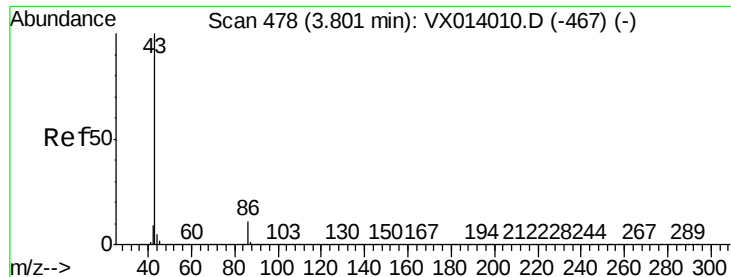
45 100

43 71.2 57.4 86.0

87 25.9 21.9 32.9

59 11.5 9.0 13.6





#23

Vinyl Acetate

Concen: 278.180 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

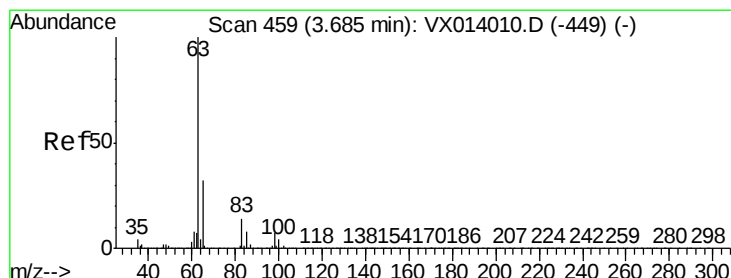
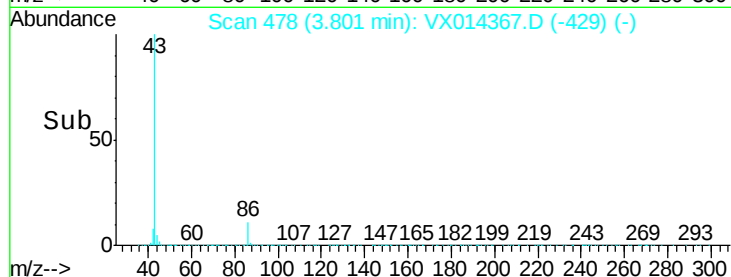
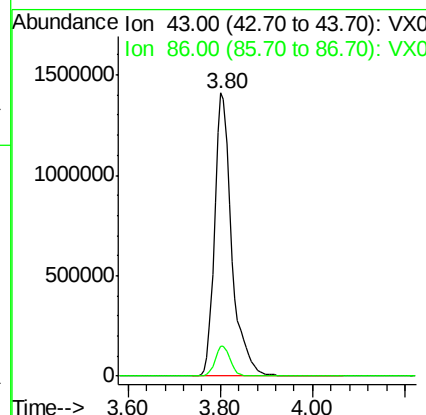
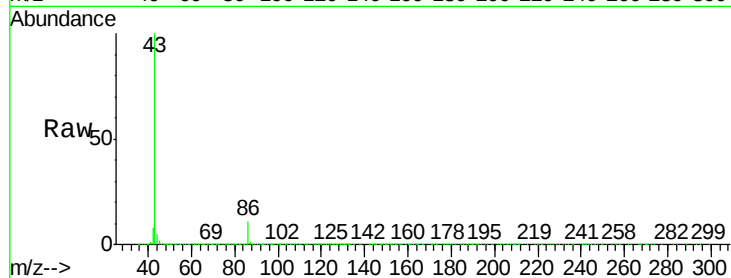
ClientSampleId :

Tot Ion: 43 Resp: 3621283

Ion Ratio Lower Upper

43 100

86 10.5 8.6 12.8



#24

1,1-Dichloroethane

Concen: 50.503 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

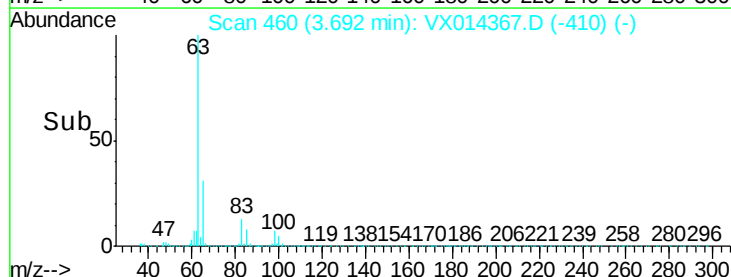
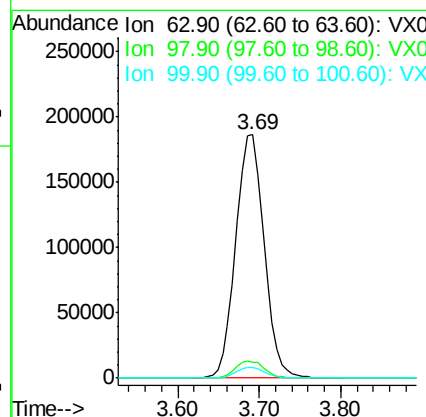
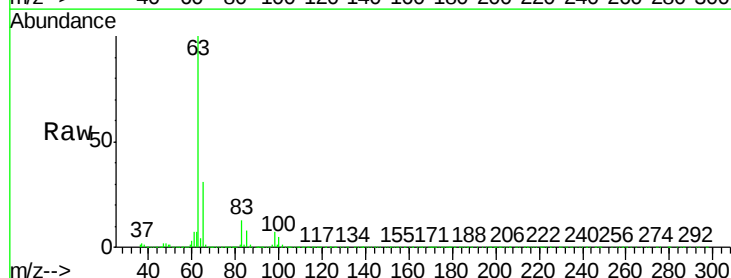
Tgt Ion: 63 Resp: 448221

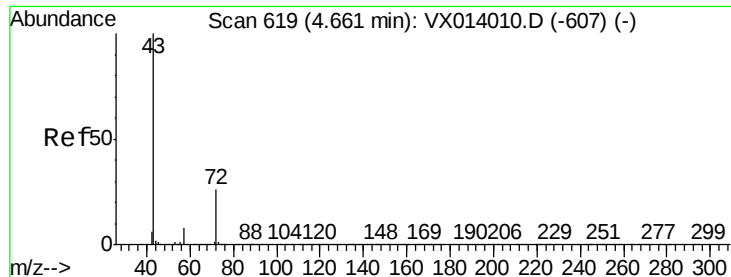
Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.8

100 4.6 2.3 6.8





#25

2-Butanone

Concen: 239.864 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

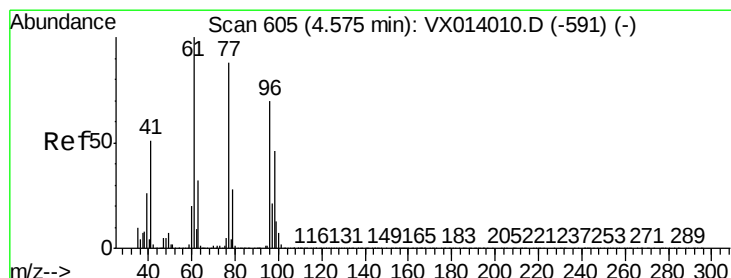
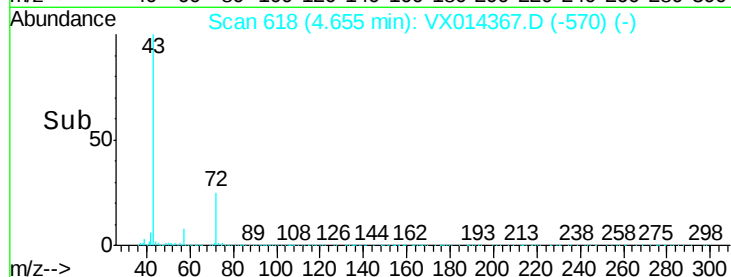
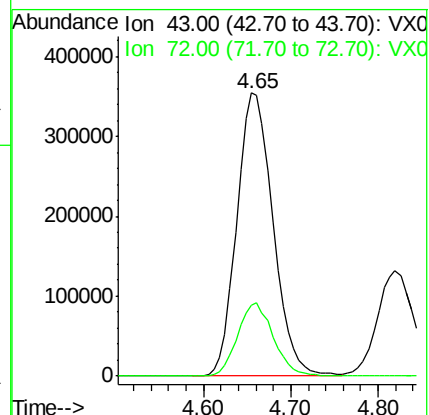
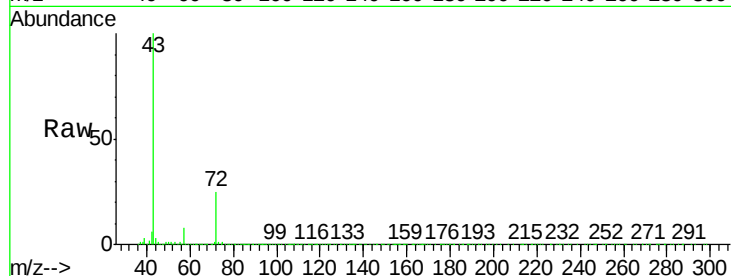
ClientSampleId :

Tot Ion: 43 Resp: 1014164

Ion Ratio Lower Upper

43 100

72 25.2 21.0 31.4



#26

2,2-Dichloropropane

Concen: 46.161 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX014367.D

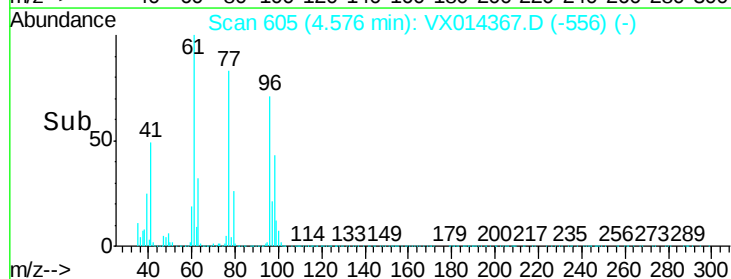
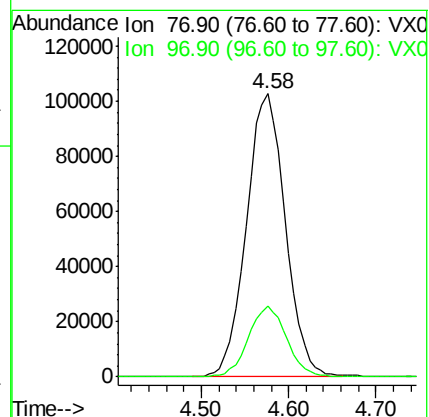
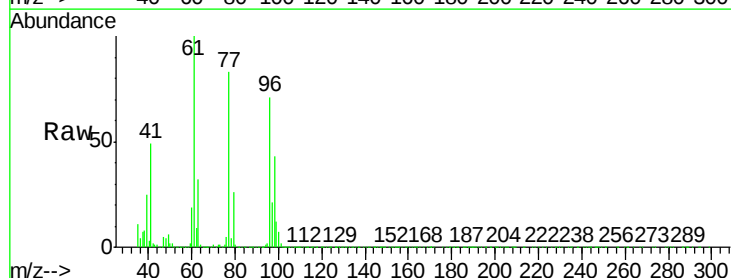
Acq: 30 Dec 2019 20:26

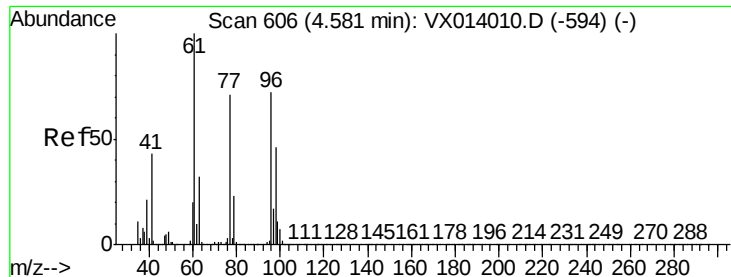
Tgt Ion: 77 Resp: 318085

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.9



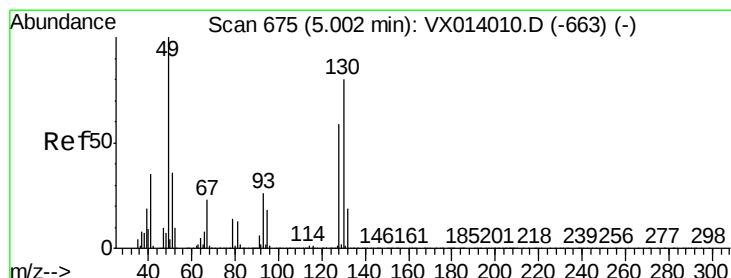
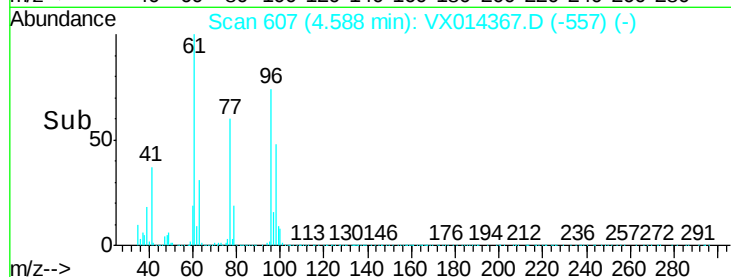
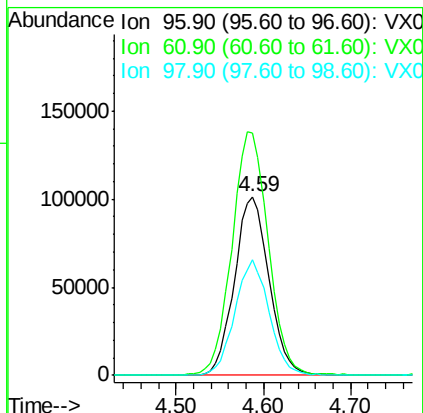
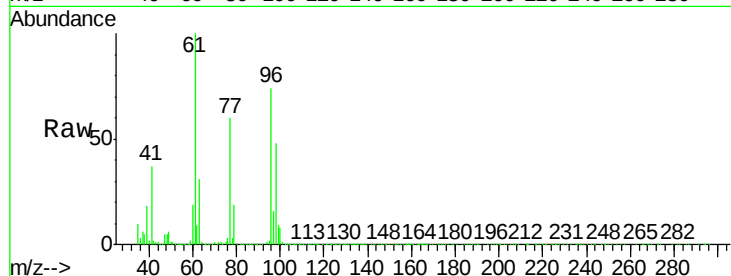


#27

cis-1,2-Dichloroethene  
Concen: 49.737 ug/l  
RT: 4.59 min Scan# 607  
Delta R.T. 0.01 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Instrument :  
MSVOA\_X  
ClientSampleId :

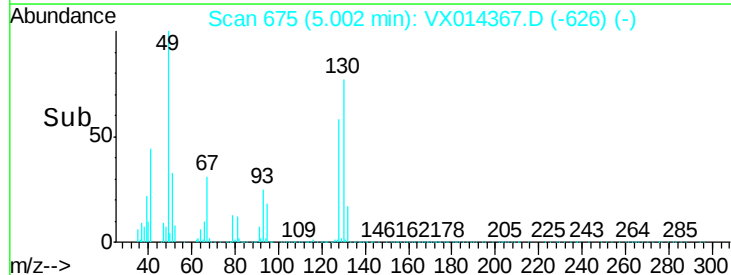
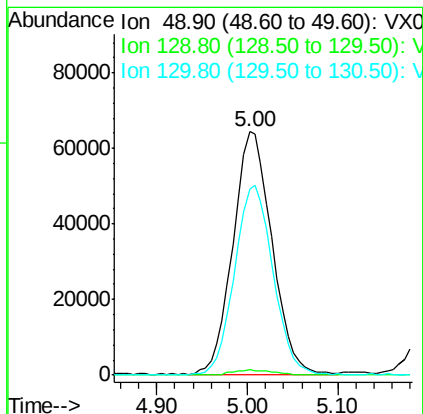
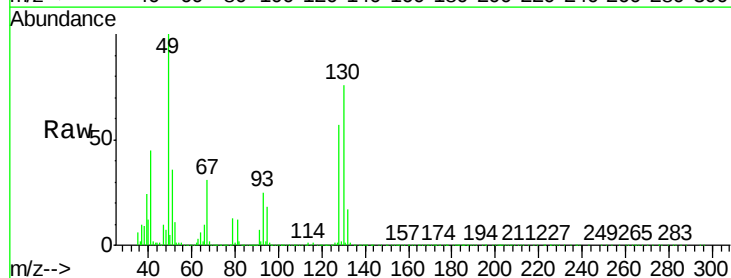
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 143.6 | 0.0   | 288.4 |
| 98      | 63.9  | 0.0   | 129.6 |

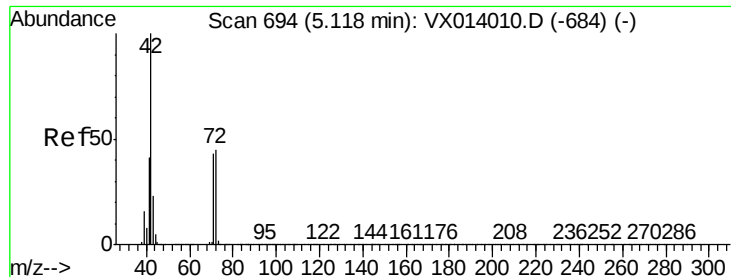


#28

Bromochloromethane  
Concen: 56.193 ug/l  
RT: 5.00 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.3   | 0.0   | 5.0   |
| 130     | 76.7  | 64.6  | 97.0  |

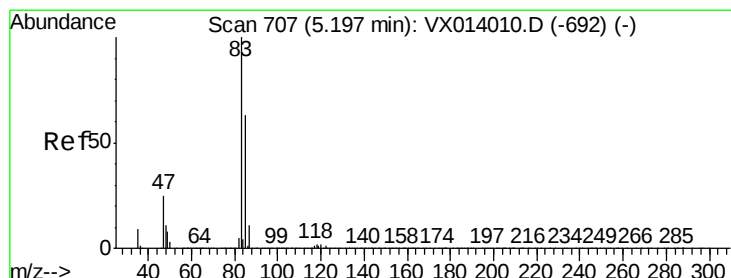
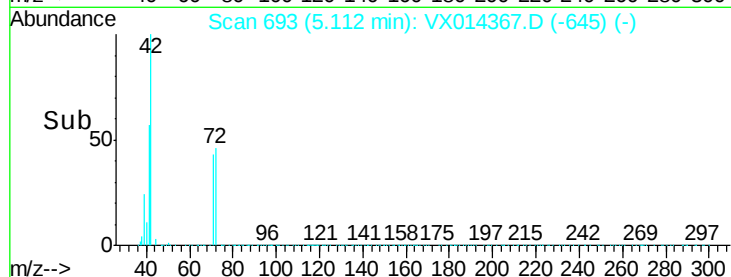
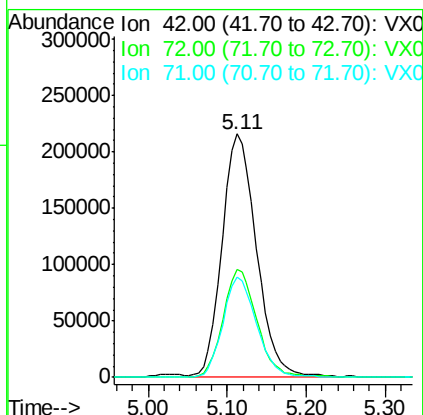
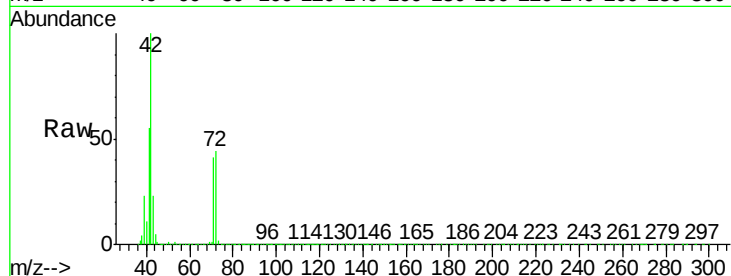




#29  
Tetrahydrofuran  
Concen: 275.107 ug/l  
RT: 5.11 min Scan# 693  
Delta R.T. -0.01 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

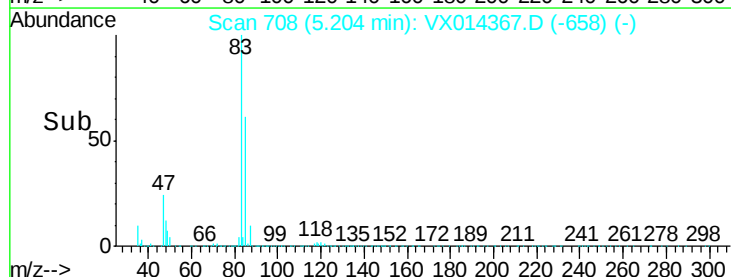
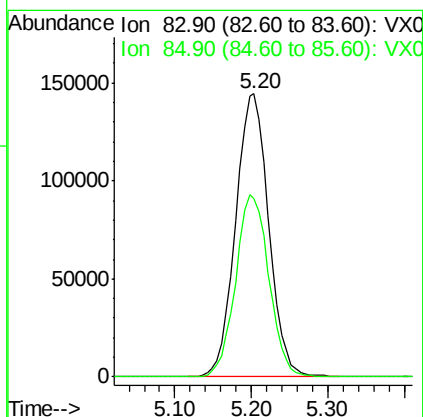
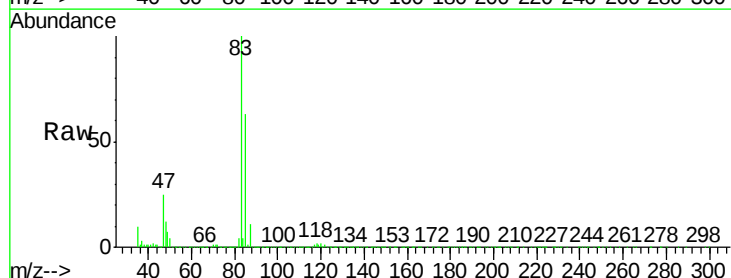
Instrument :  
MSVOA\_X  
ClientSampled :

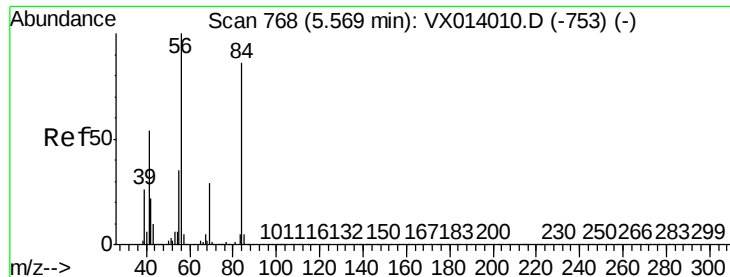
Tot Ion: 42 Resp: 650592  
Ion Ratio Lower Upper  
42 100  
72 44.0 35.8 53.8  
71 40.9 33.6 50.4



#30  
Chloroform  
Concen: 51.418 ug/l  
RT: 5.20 min Scan# 708  
Delta R.T. 0.01 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Tgt Ion: 83 Resp: 432601  
Ion Ratio Lower Upper  
83 100  
85 62.9 50.8 76.2

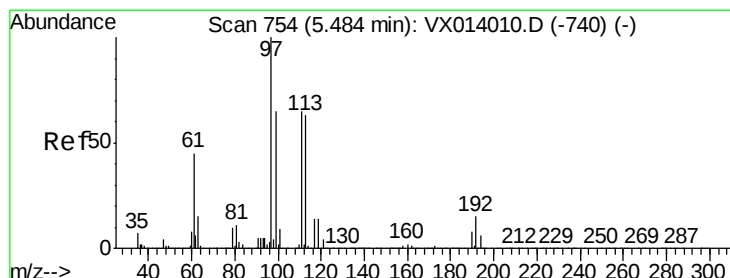
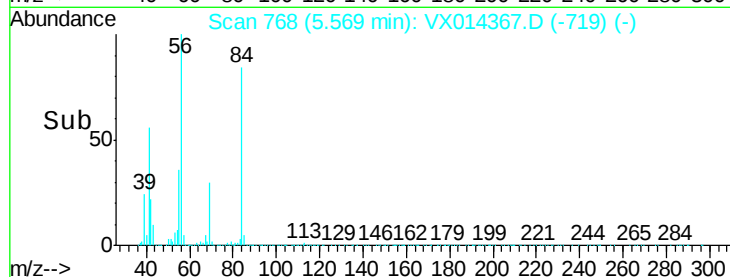
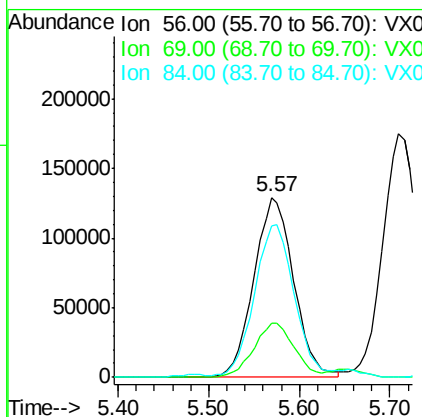
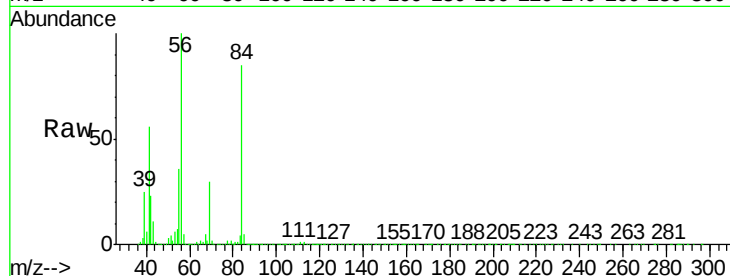




#31  
Cyclohexane  
Concen: 49.698 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

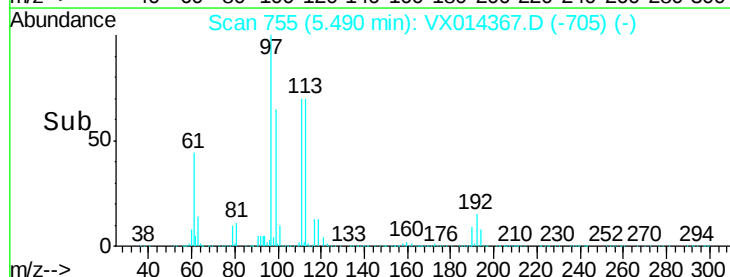
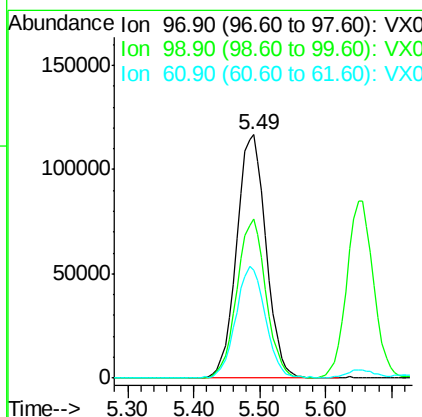
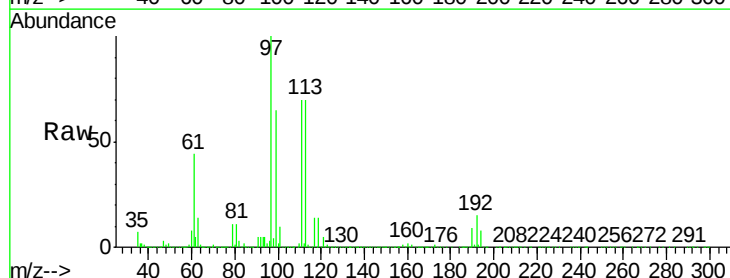
Instrument :  
MSVOA\_X  
ClientSampleId :

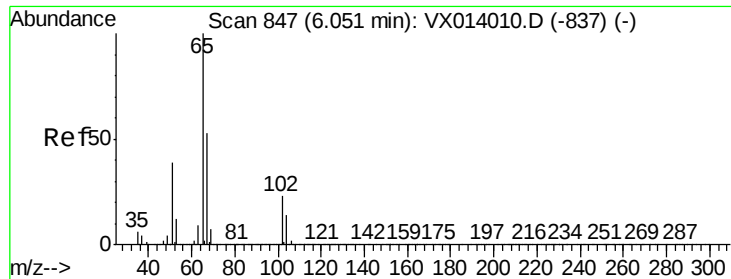
Tot Ion: 56 Resp: 392294  
Ion Ratio Lower Upper  
56 100  
69 29.8 23.2 34.8  
84 83.4 69.2 103.8



#32  
1,1,1-Trichloroethane  
Concen: 50.067 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. 0.01 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Tgt Ion: 97 Resp: 359008  
Ion Ratio Lower Upper  
97 100  
99 64.8 52.0 78.0  
61 46.0 36.7 55.1





#33

1,2-Dichloroethane-d4

Concen: 51.113 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

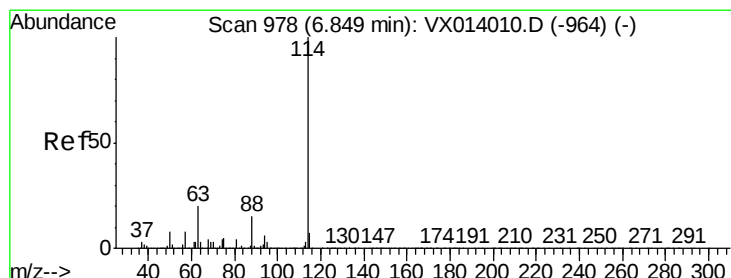
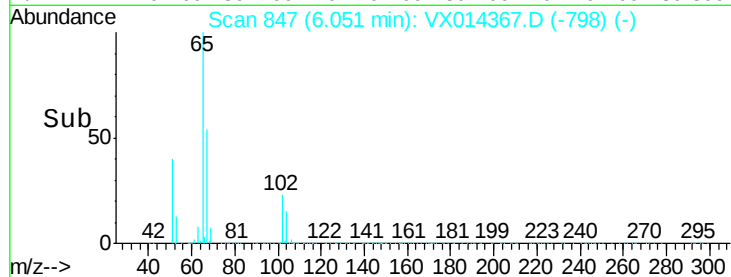
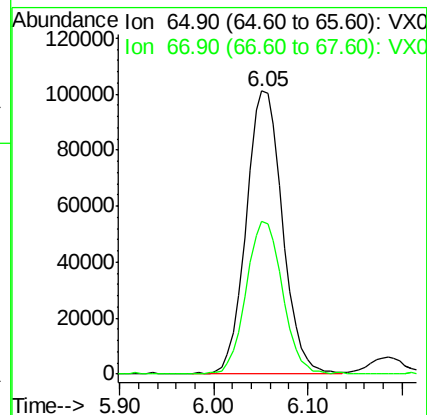
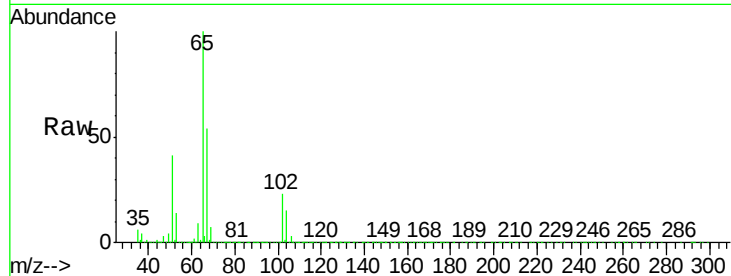
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 65 Resp: 269998

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

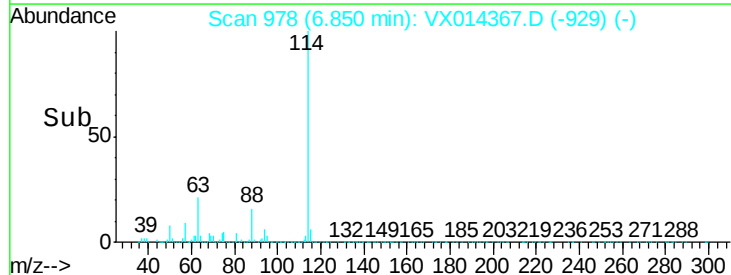
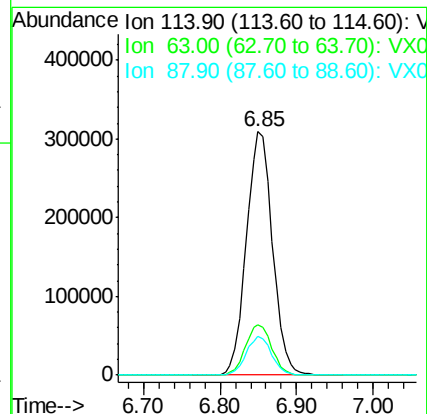
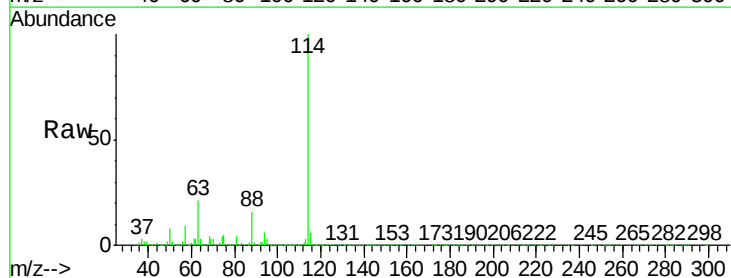
Tgt Ion: 114 Resp: 733717

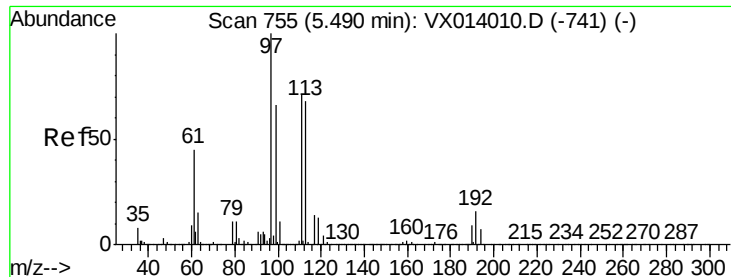
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 16.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.165 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

ClientSampled :

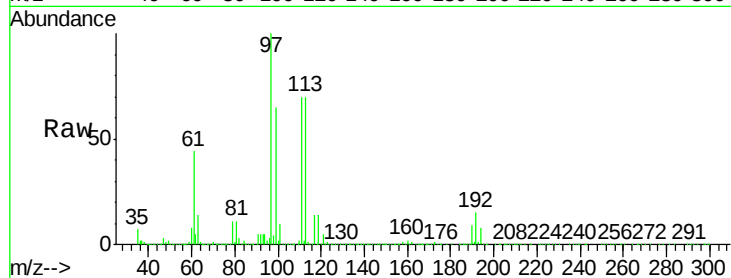
Tot Ion:113 Resp: 228204

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

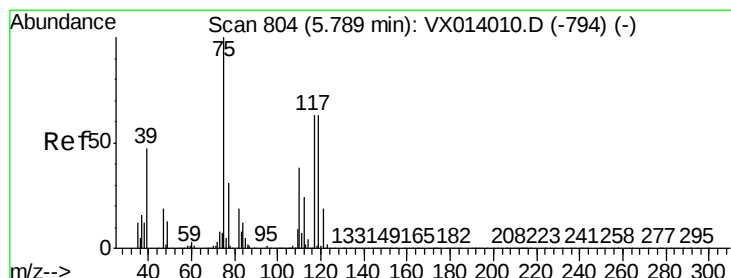
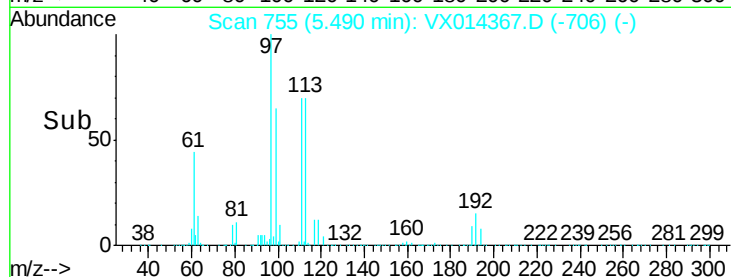
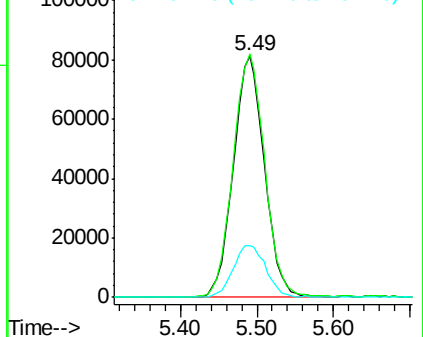
192 22.8 19.3 28.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.460 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

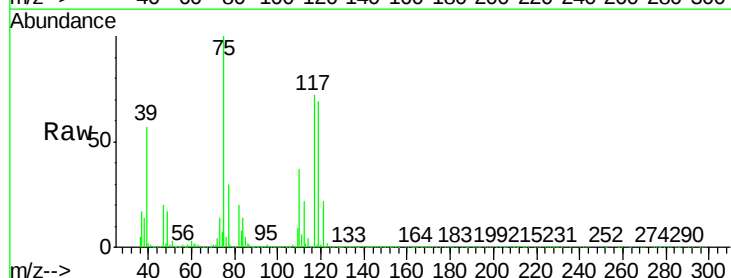
Tgt Ion: 75 Resp: 319517

Ion Ratio Lower Upper

75 100

110 36.0 18.3 54.9

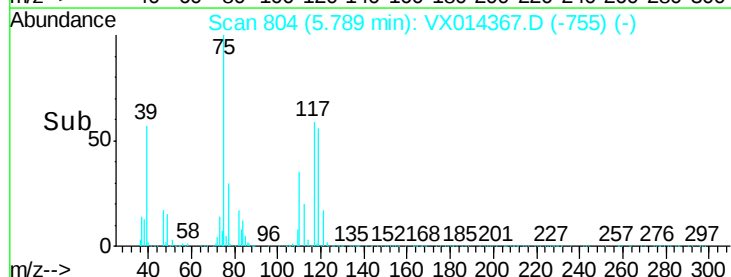
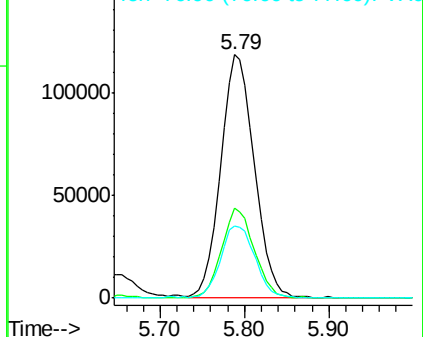
77 30.1 24.8 37.2

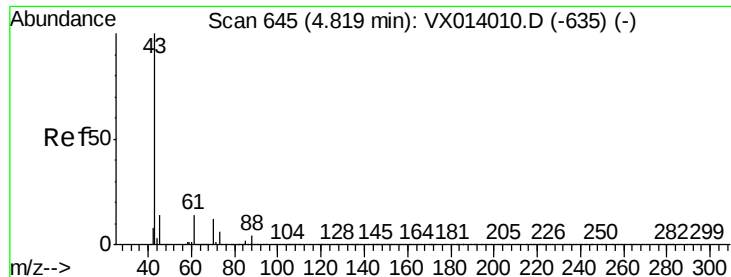


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

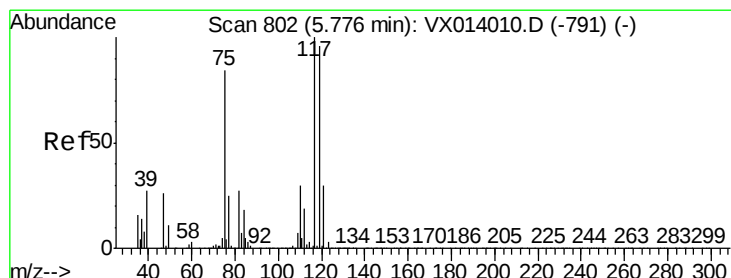
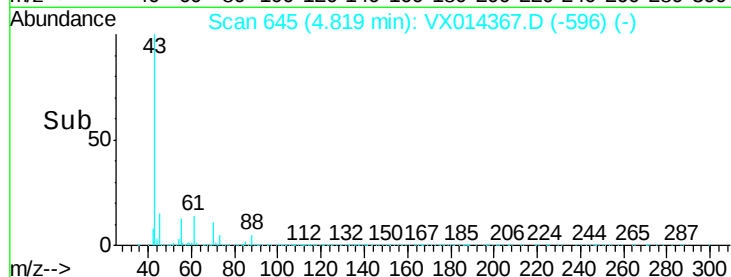
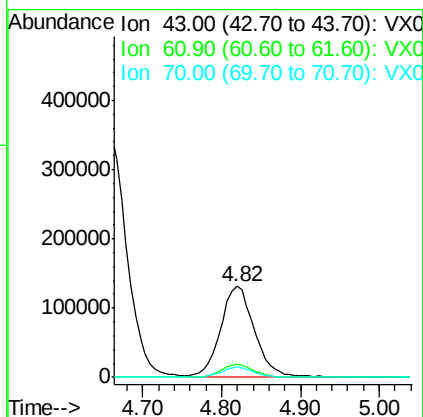
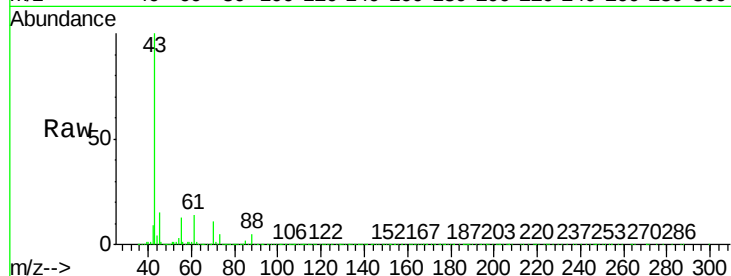




#37  
Ethyl Acetate  
Concen: 52.079 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

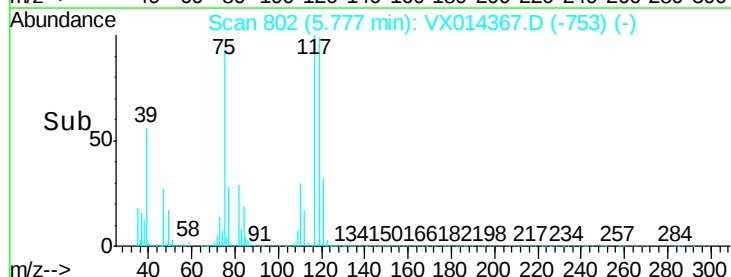
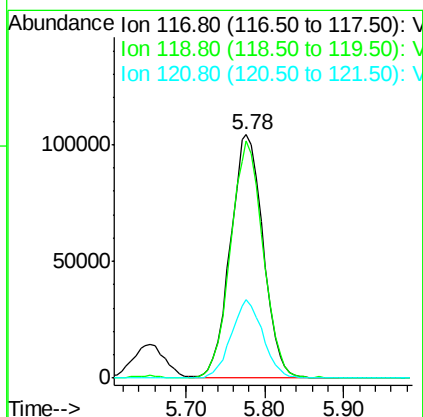
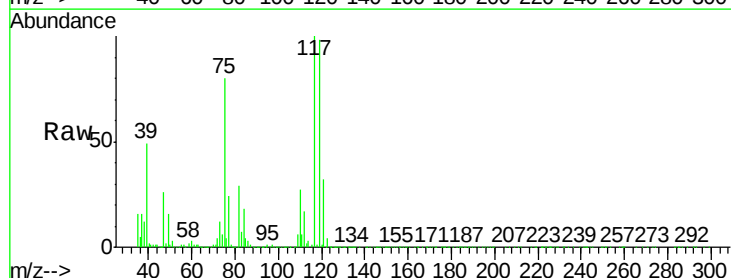
Instrument :  
MSVOA\_X  
ClientSampleId :

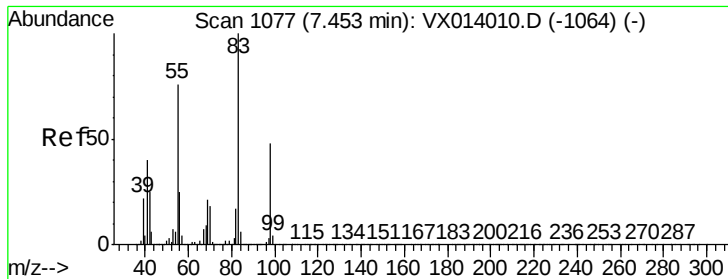
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.1  | 10.8  | 16.2  |
| 70      | 10.8  | 8.6   | 12.8  |



#38  
Carbon Tetrachloride  
Concen: 48.840 ug/l  
RT: 5.78 min Scan# 802  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.7  | 76.2  | 114.4 |
| 121     | 32.0  | 23.6  | 35.4  |

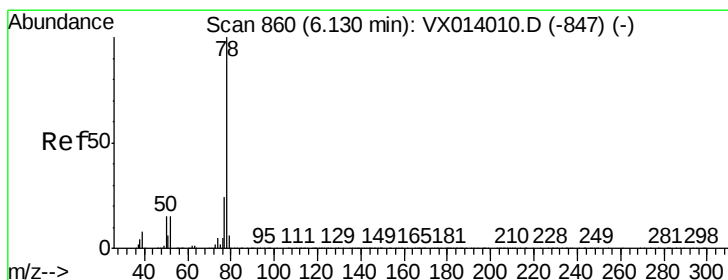
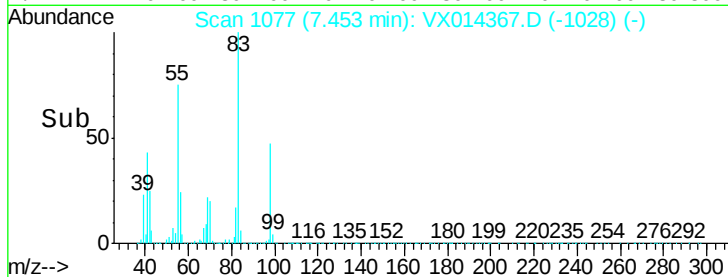
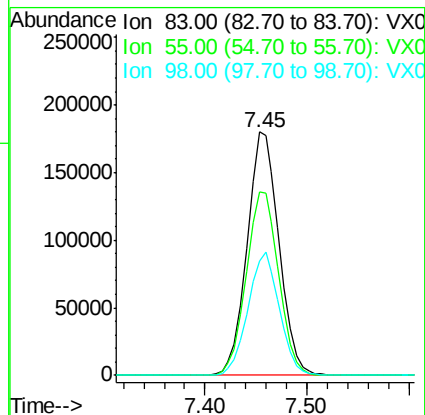
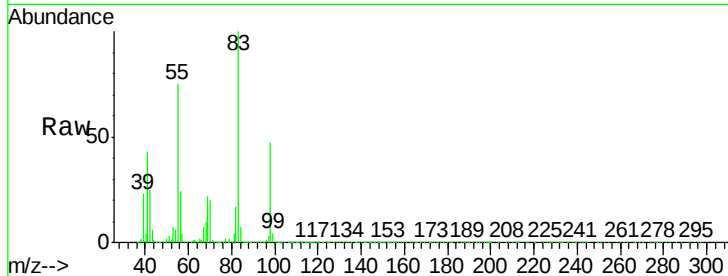




#39  
Methylvlcvclohexane  
Concen: 46.856 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

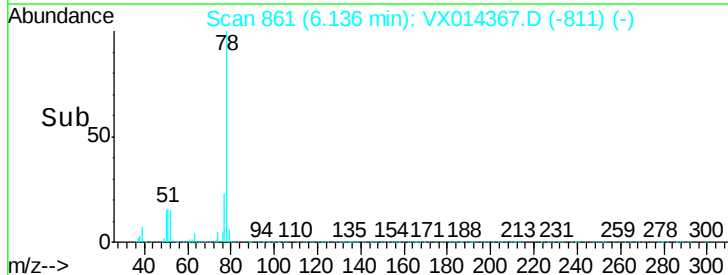
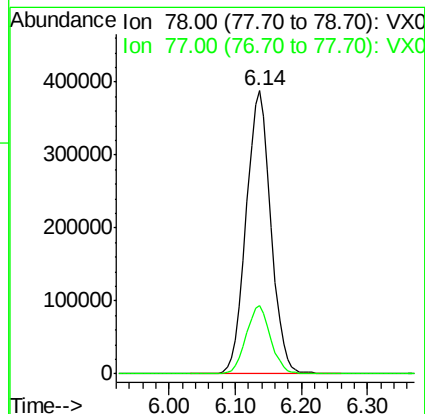
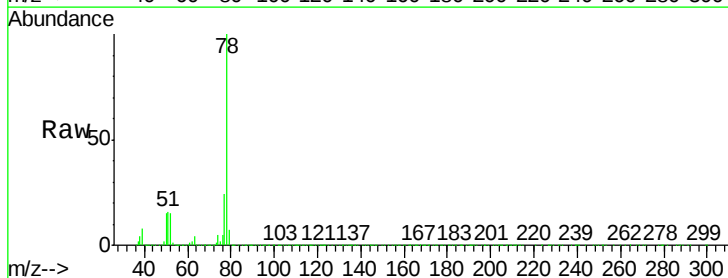
Instrument :  
MSVOA\_X  
ClientSampleId :

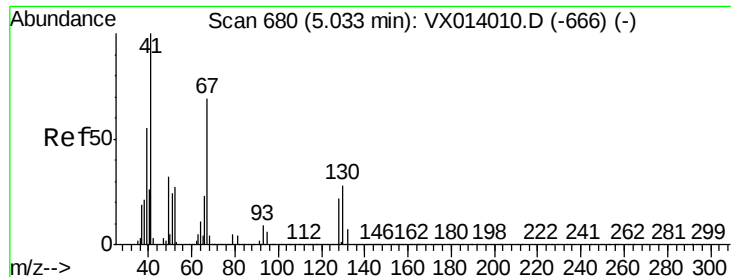
| Tot Ion | 83.00 | Resp  | 389499 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 75.4  | 61.0  | 91.6   |
| 98      | 47.1  | 38.6  | 57.8   |



#40  
Benzene  
Concen: 48.665 ug/l  
RT: 6.14 min Scan# 861  
Delta R.T. 0.01 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

| Tgt Ion | 78.00 | Resp  | 1008075 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 78      | 100   |       |         |
| 77      | 24.1  | 18.8  | 28.2    |

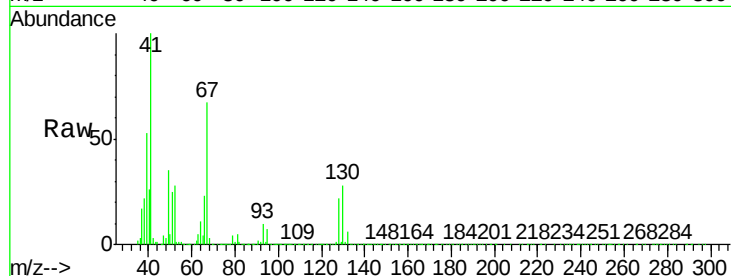




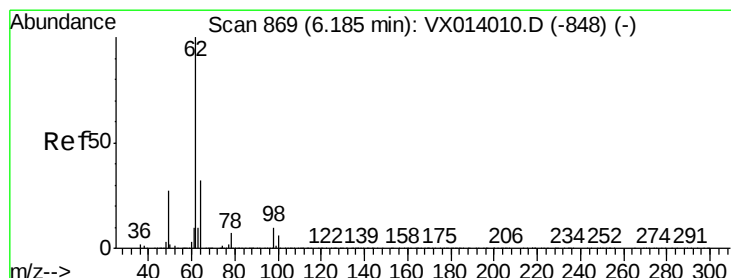
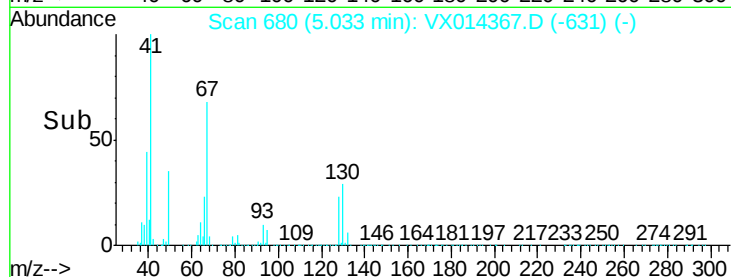
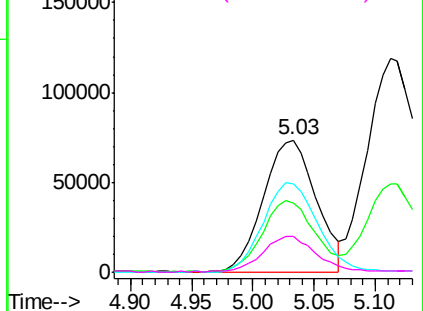
#41  
Methacrylonitrile  
Concen: 53.413 ug/l  
RT: 5.03 min Scan# 680  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Instrument :  
MSVOA\_X  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 220327 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 53.3  | 44.5  | 66.7   |
| 67       | 69.7  | 57.4  | 86.0   |
| 52       | 26.6  | 23.0  | 34.4   |

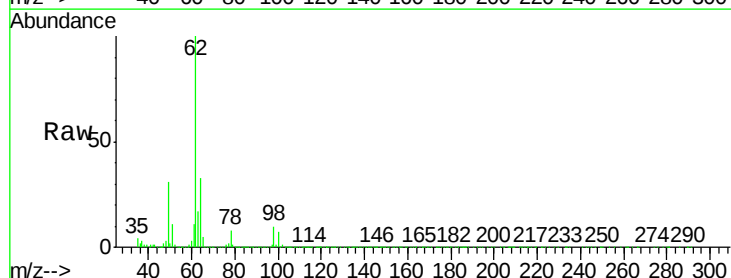


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

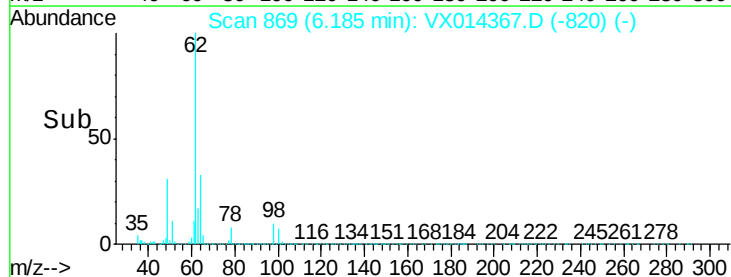
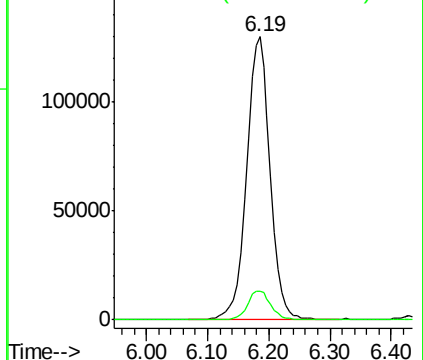


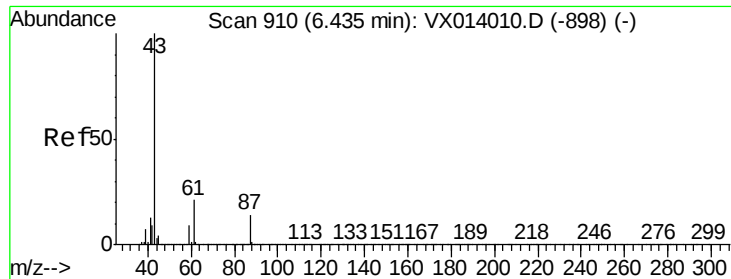
#42  
1,2-Dichloroethane  
Concen: 49.279 ug/l  
RT: 6.19 min Scan# 869  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 346020 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.9   | 0.0   | 21.0   |



Abundance Ion 61.90 (61.60 to 62.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



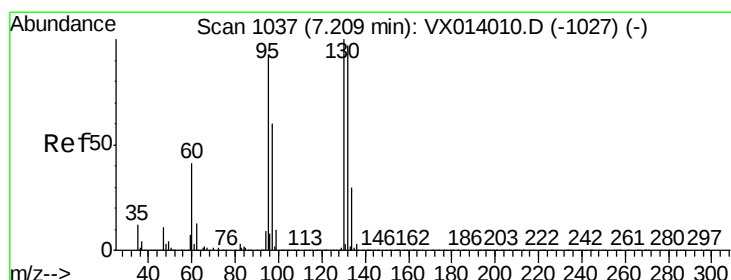
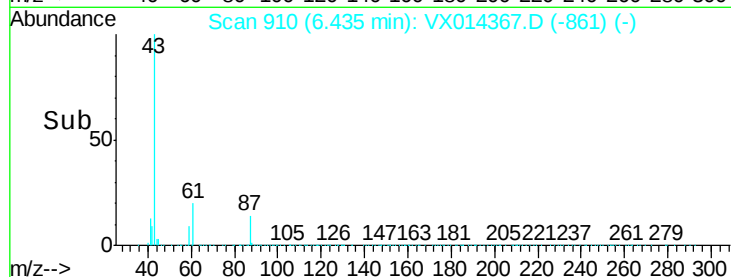
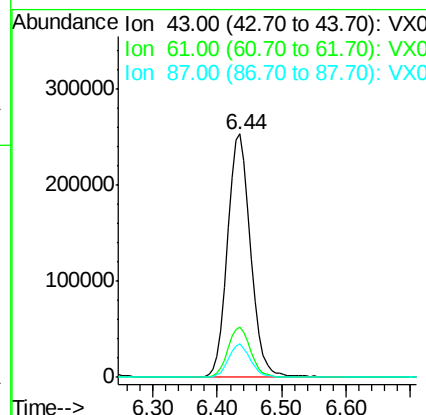
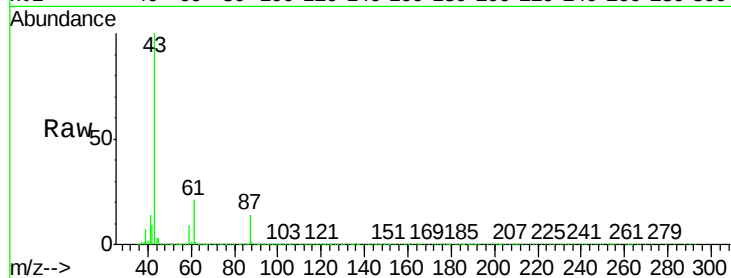


#43

Isopropyl Acetate  
 Concen: 52.102 ug/l  
 RT: 6.44 min Scan# 910  
 Delta R.T. 0.00 min  
 Lab File: VX014367.D  
 Acq: 30 Dec 2019 20:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :

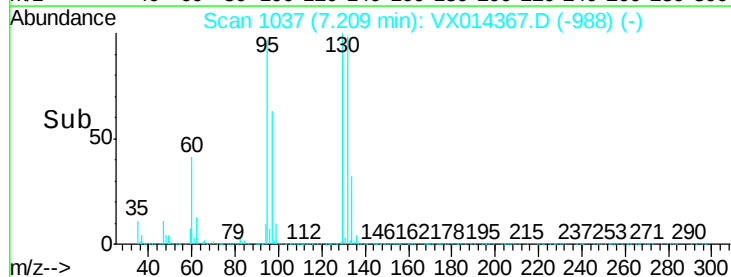
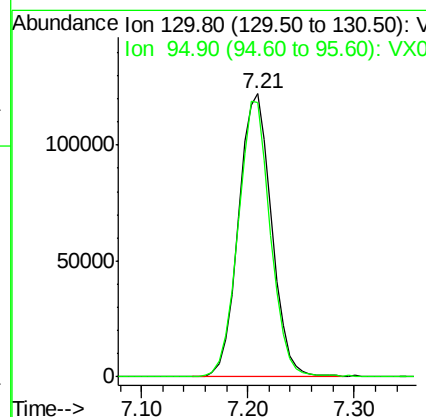
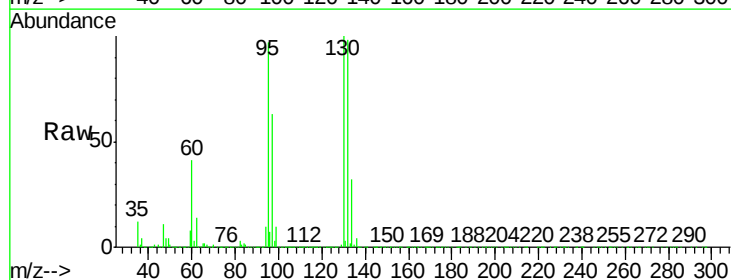
| Tot Ion   | 43   | Resp  | 641035 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 61        | 20.1 | 16.4  | 24.6   |
| 87        | 12.8 | 10.7  | 16.1   |

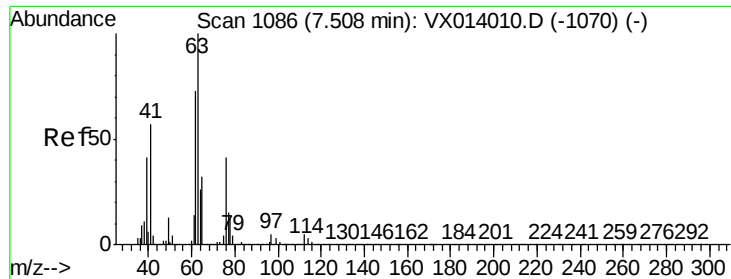


#44

Trichloroethene  
 Concen: 46.443 ug/l  
 RT: 7.21 min Scan# 1037  
 Delta R.T. 0.00 min  
 Lab File: VX014367.D  
 Acq: 30 Dec 2019 20:26

| Tgt Ion   | 130  | Resp  | 265725 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 95        | 96.6 | 0.0   | 185.6  |

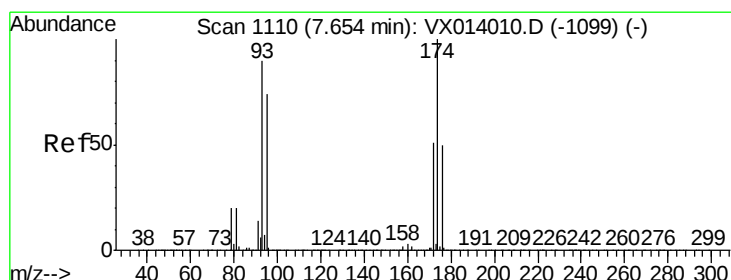
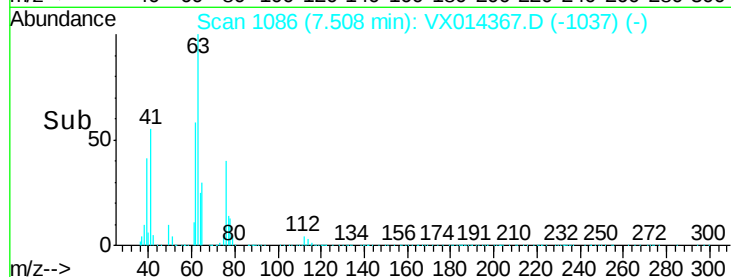
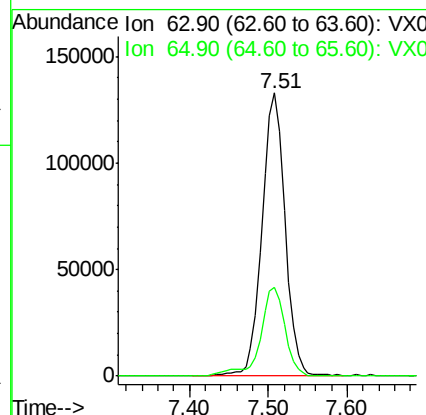
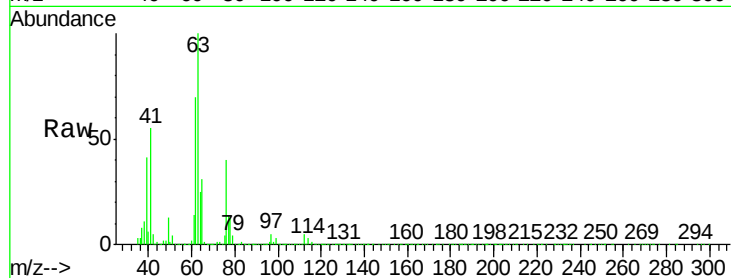




#45  
 1,2-Dichloropropane  
 Concen: 50.710 ug/l  
 RT: 7.51 min Scan# 1086  
 Delta R.T. 0.00 min  
 Lab File: VX014367.D  
 Acq: 30 Dec 2019 20:26

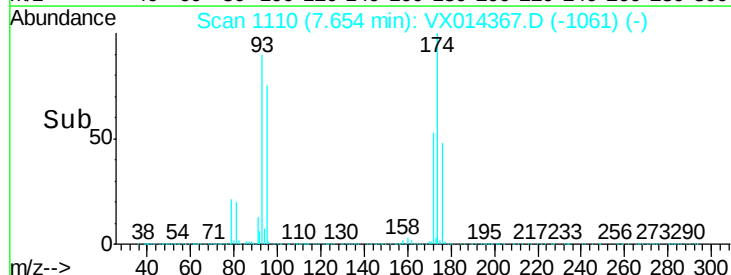
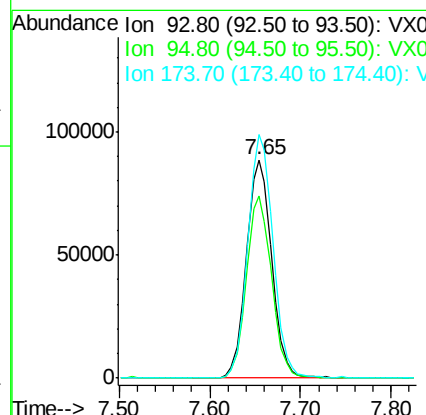
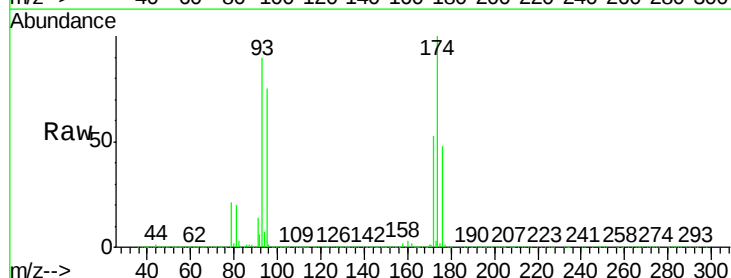
Instrument :  
 MSVOA\_X  
 ClientSampled :

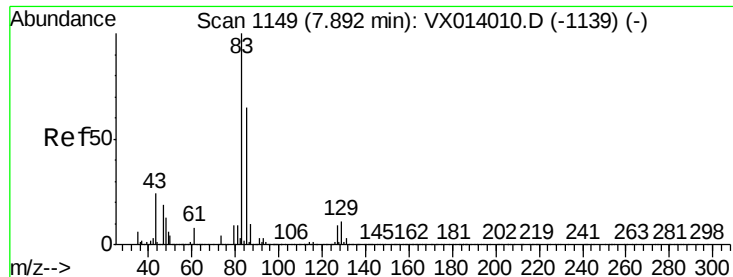
Tot Ion: 63 Resp: 269236  
 Ion Ratio Lower Upper  
 63 100  
 65 31.1 25.8 38.8



#46  
 Dibromomethane  
 Concen: 48.613 ug/l  
 RT: 7.65 min Scan# 1110  
 Delta R.T. 0.00 min  
 Lab File: VX014367.D  
 Acq: 30 Dec 2019 20:26

Tgt Ion: 93 Resp: 170643  
 Ion Ratio Lower Upper  
 93 100  
 95 83.5 67.3 100.9  
 174 111.6 91.6 137.4





#47

Bromodichloromethane

Concen: 51.236 ug/l

RT: 7.89 min Scan# 1149

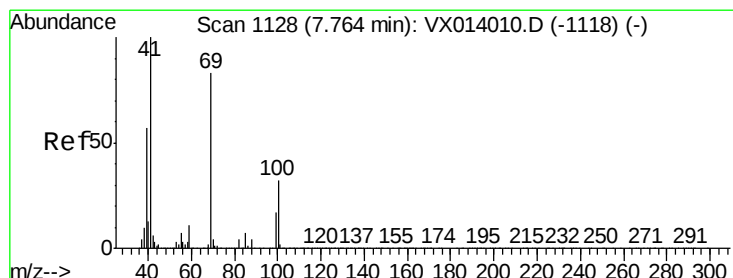
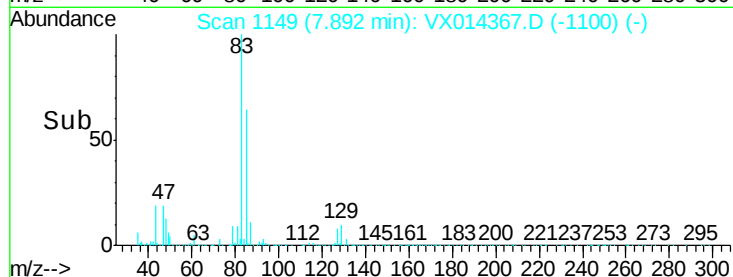
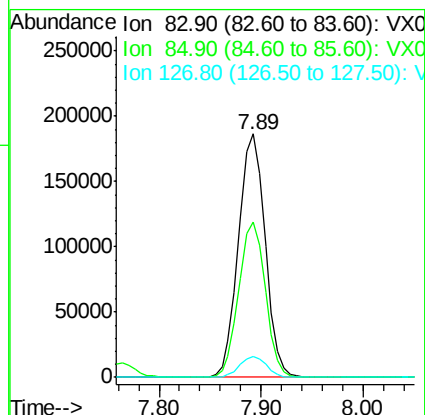
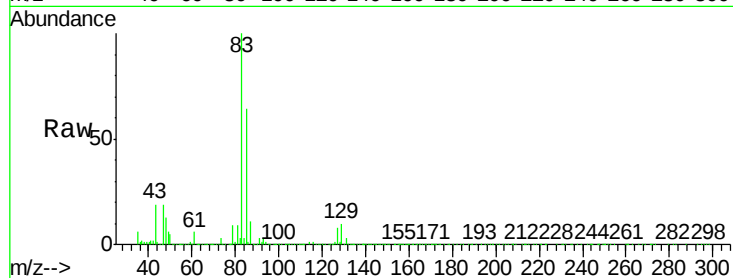
Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :  
MSVOA\_X  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 338719 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.5  | 51.8  | 77.8   |
| 127      | 8.3   | 7.0   | 10.4   |



#48

Methyl methacrylate

Concen: 51.734 ug/l

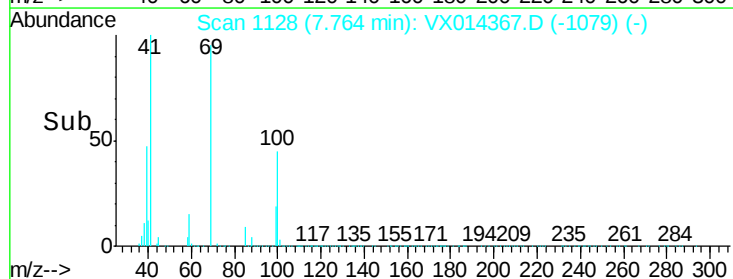
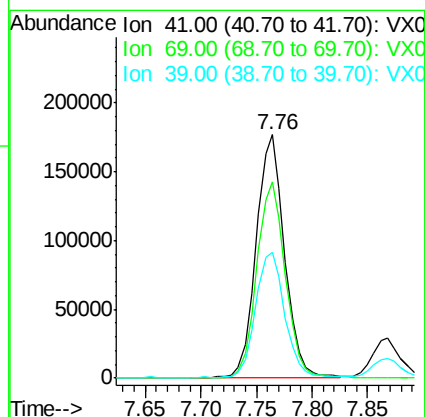
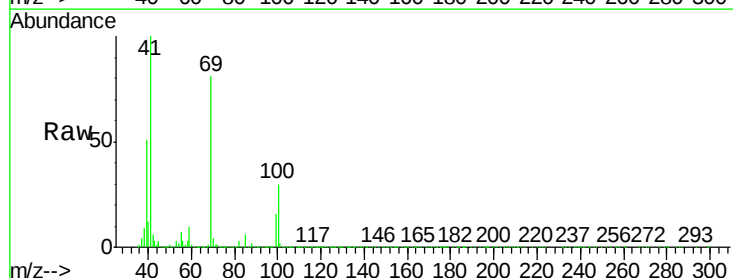
RT: 7.76 min Scan# 1128

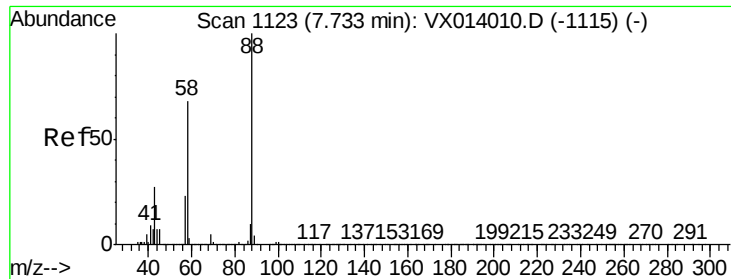
Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 311679 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 82.6  | 65.8  | 98.6   |
| 39       | 53.5  | 44.6  | 67.0   |





#49

1,4-Dioxane

Concen: 913.850 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

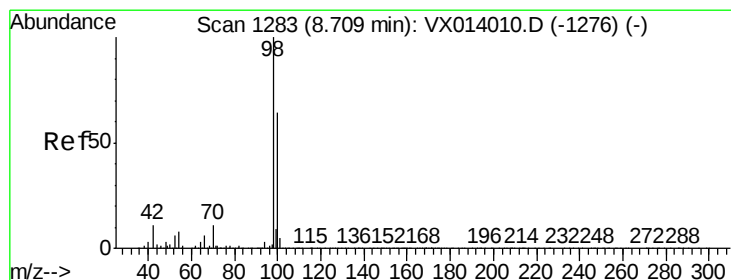
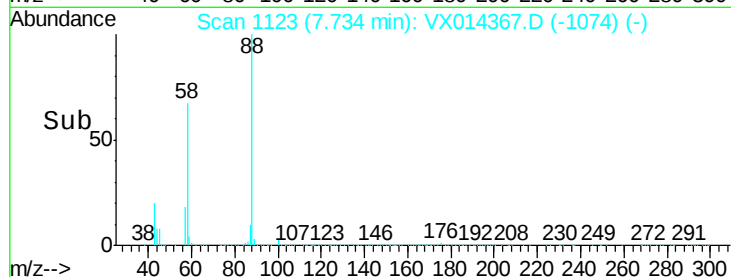
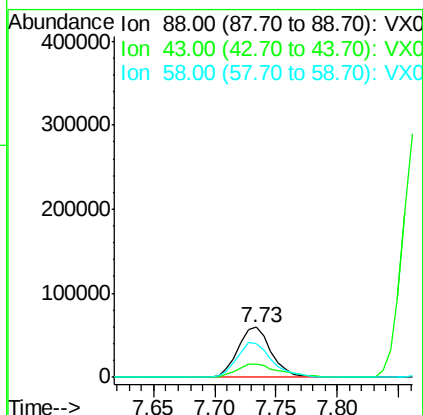
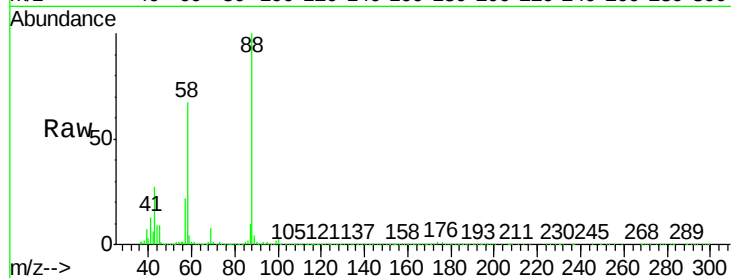
Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion: 88 Resp: 112041

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 34.4  | 26.5  | 39.7  |
| 58  | 72.3  | 56.8  | 85.2  |



#50

Toluene-d8

Concen: 50.423 ug/l

RT: 8.71 min Scan# 1283

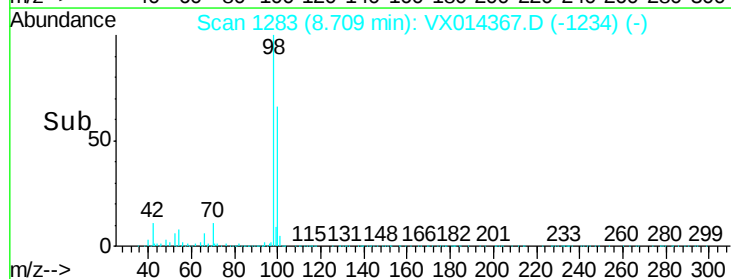
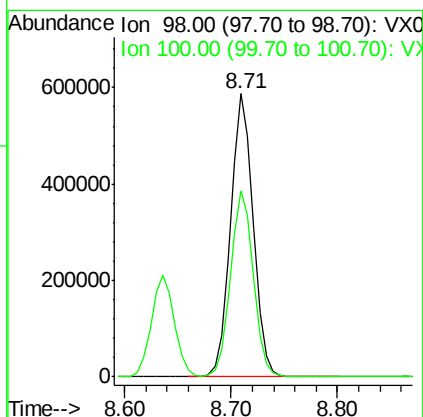
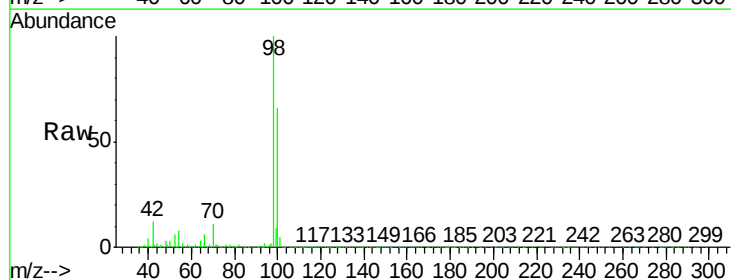
Delta R.T. 0.00 min

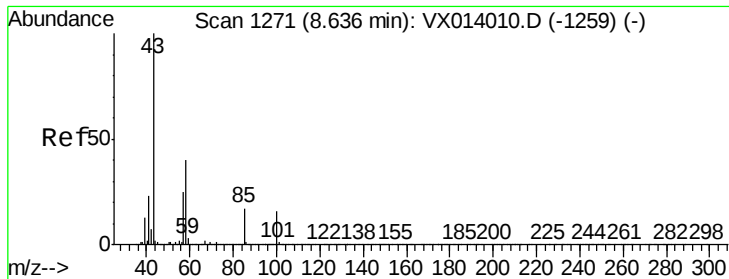
Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Tgt Ion: 98 Resp: 875582

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 66.2  | 52.9  | 79.3  |





#51

4-Methyl-2-Pentanone

Concen: 261.037 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

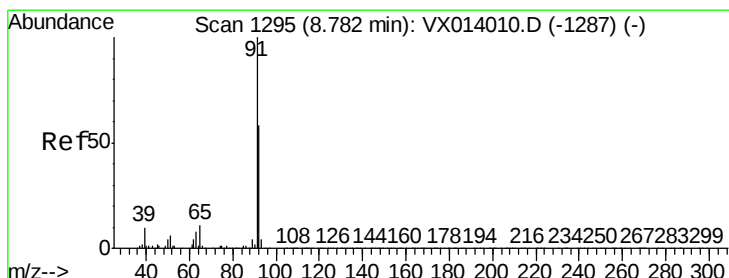
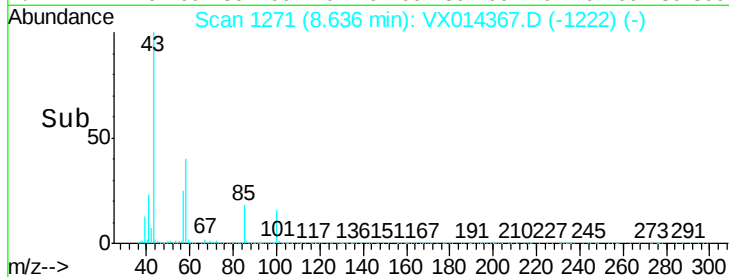
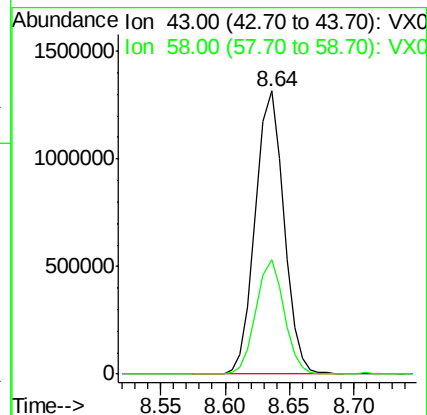
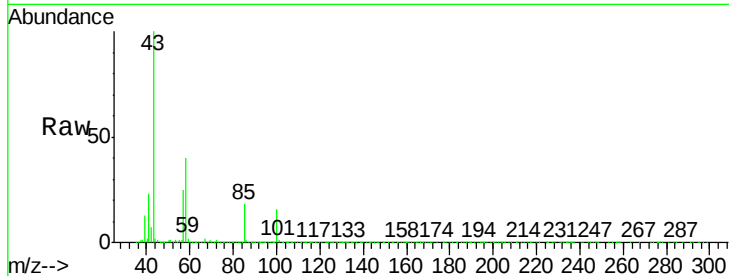
ClientSampleId :

Tot Ion: 43 Resp: 2016974

Ion Ratio Lower Upper

43 100

58 39.7 32.2 48.2



#52

Toluene

Concen: 48.246 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014367.D

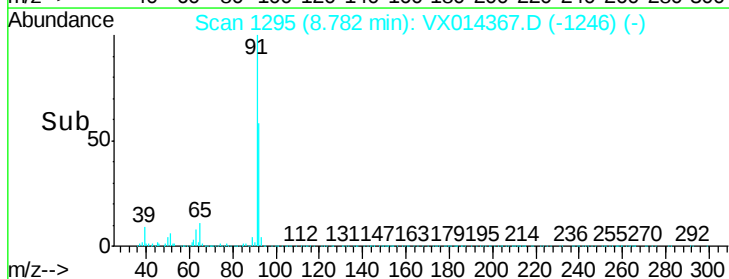
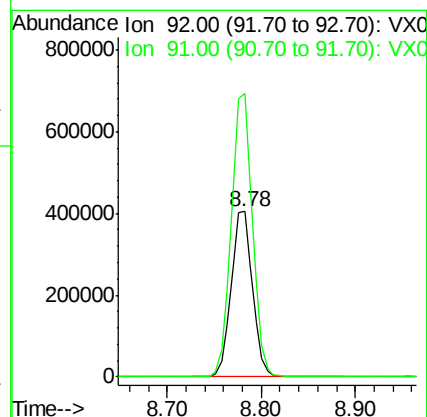
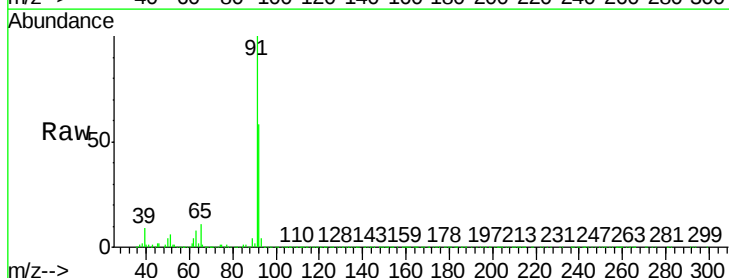
Acq: 30 Dec 2019 20:26

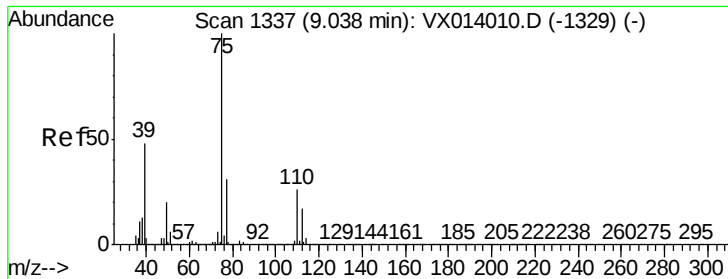
Tgt Ion: 92 Resp: 631679

Ion Ratio Lower Upper

92 100

91 170.9 136.2 204.4

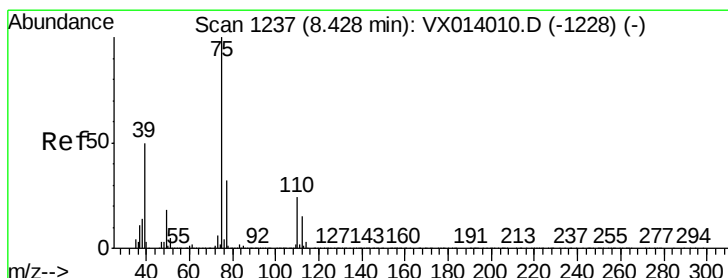
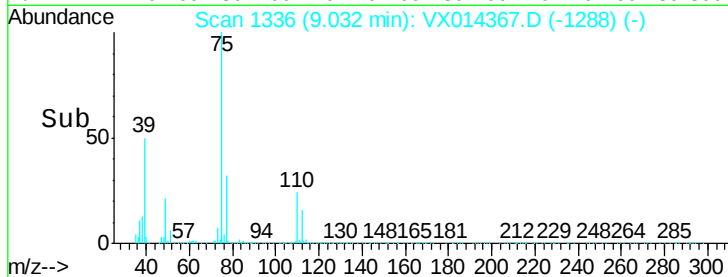
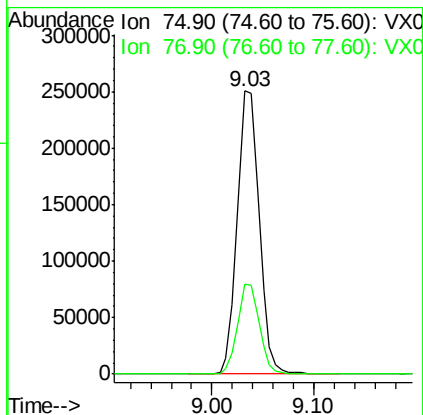
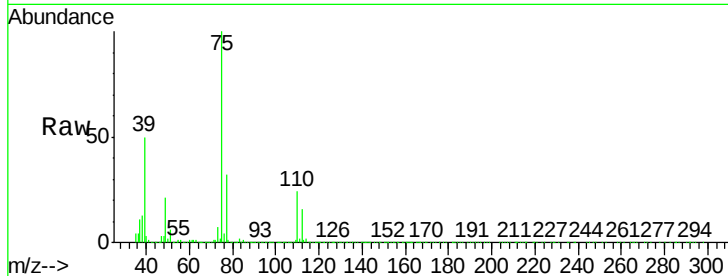




#53  
t-1,3-Dichloropropene  
Concen: 51.306 ug/l  
RT: 9.03 min Scan# 1336  
Delta R.T. -0.01 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

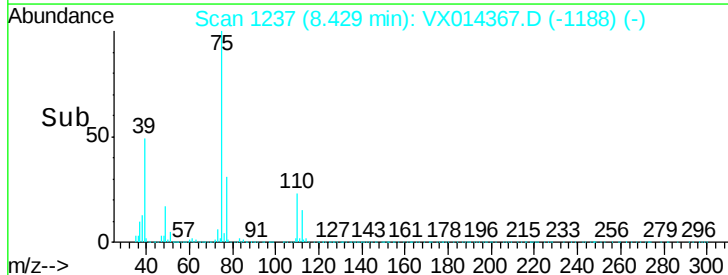
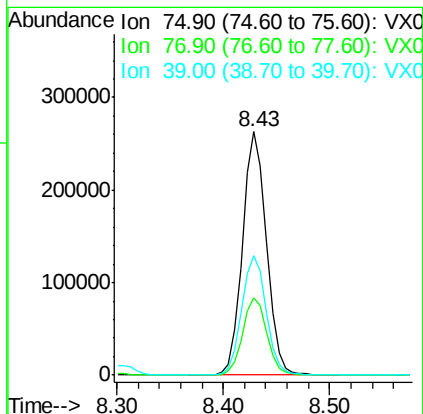
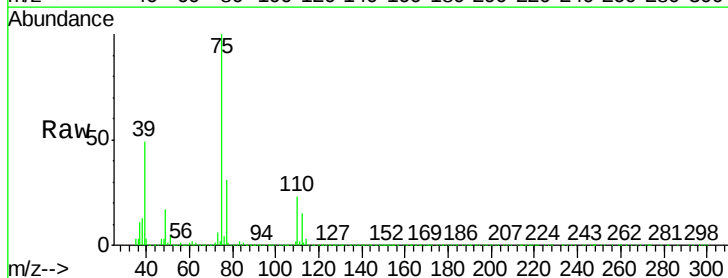
Instrument :  
MSVOA\_X  
ClientSampleId :

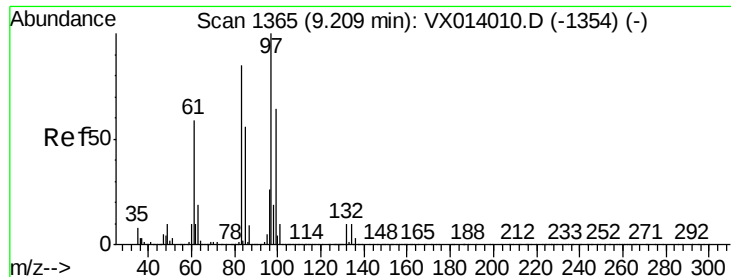
Tot Ion: 75 Resp: 371919  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.1 37.7



#54  
cis-1,3-Dichloropropene  
Concen: 51.535 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Tgt Ion: 75 Resp: 416194  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.3 37.9  
39 48.8 39.9 59.9

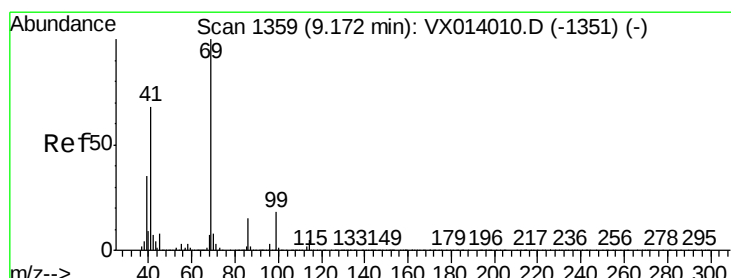
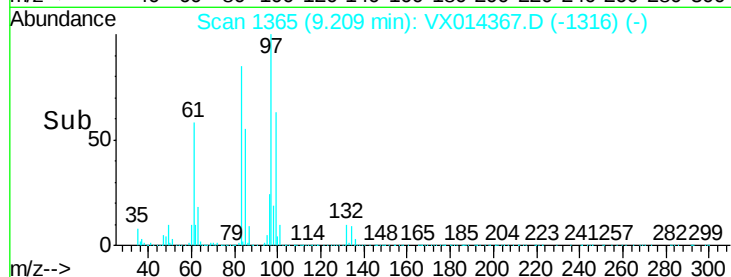
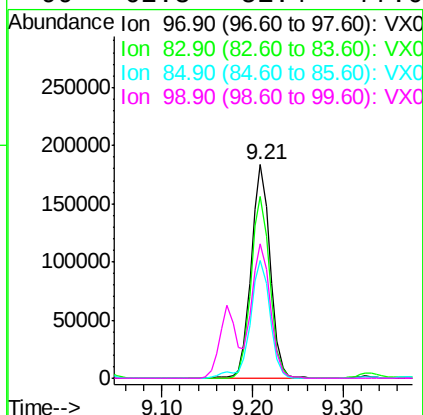
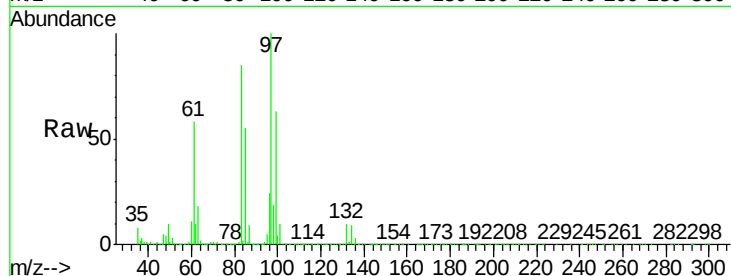




#55  
 1,1,2-Trichloroethane  
 Concen: 50.589 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX014367.D  
 Acq: 30 Dec 2019 20:26

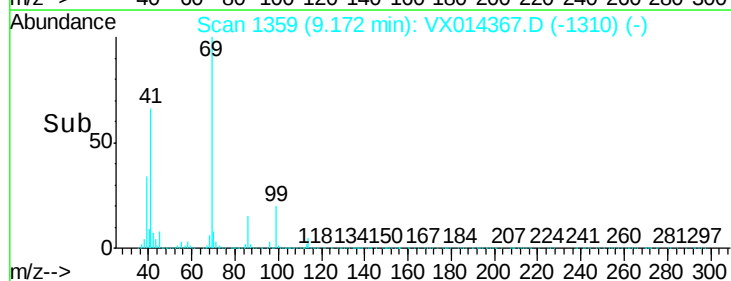
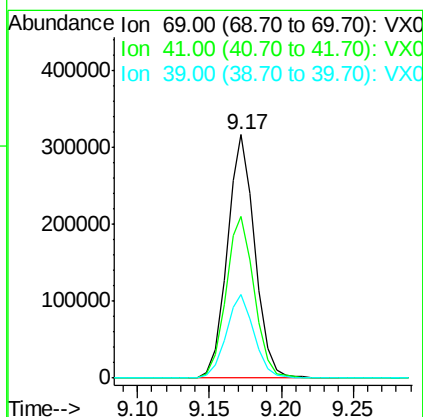
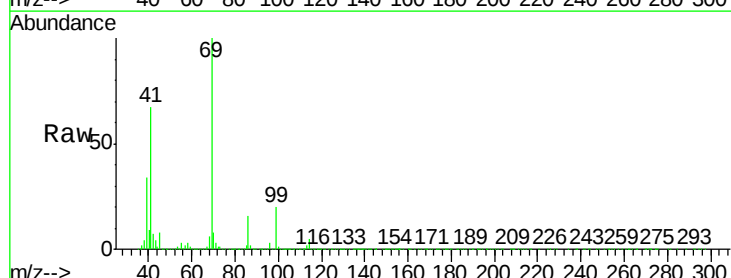
Instrument :  
 MSVOA\_X  
 ClientSampled :

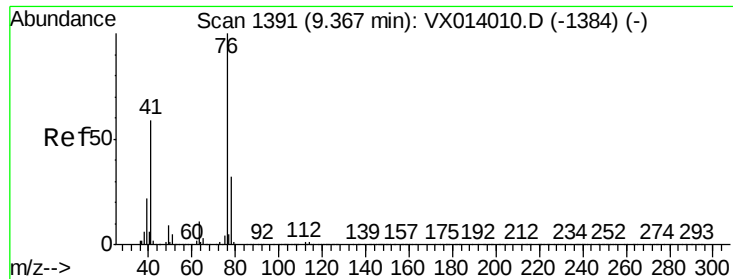
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 265469 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.9  | 68.2  | 102.4  |
| 85       | 55.1  | 44.6  | 66.8   |
| 99       | 62.8  | 51.4  | 77.0   |



#56  
 Ethyl methacrylate  
 Concen: 51.441 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VX014367.D  
 Acq: 30 Dec 2019 20:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 424024 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 68.1  | 54.8  | 82.2   |
| 39       | 34.8  | 28.3  | 42.5   |





#57

1,3-Dichloropropane

Concen: 51.339 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

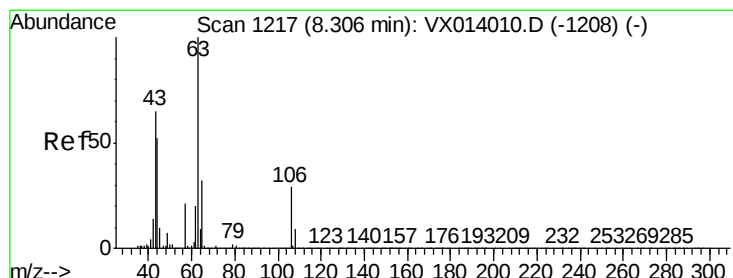
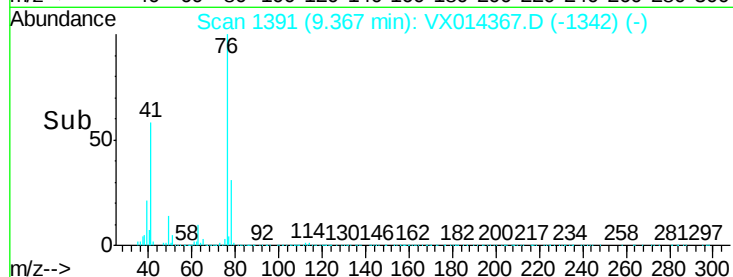
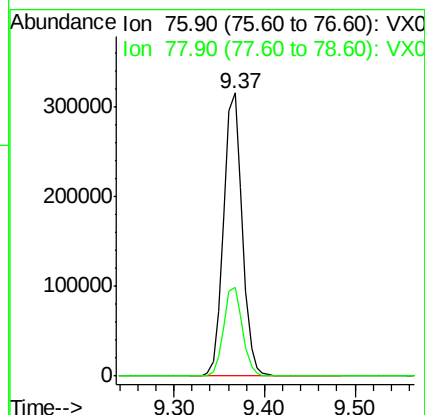
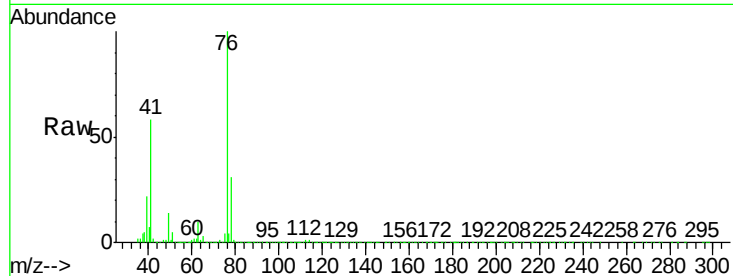
ClientSampleId :

Tot Ion: 76 Resp: 453266

Ion Ratio Lower Upper

76 100

78 31.5 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 268.984 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014367.D

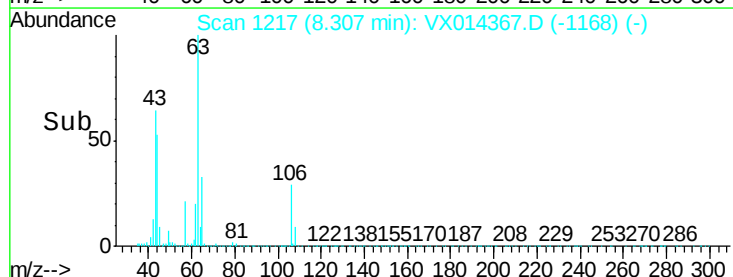
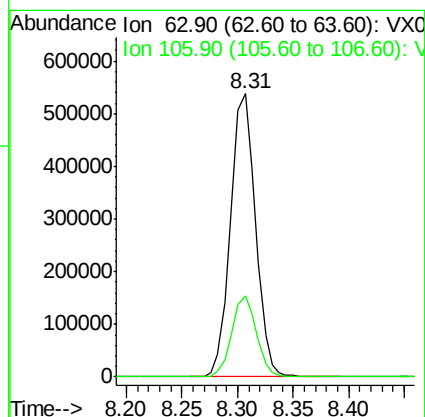
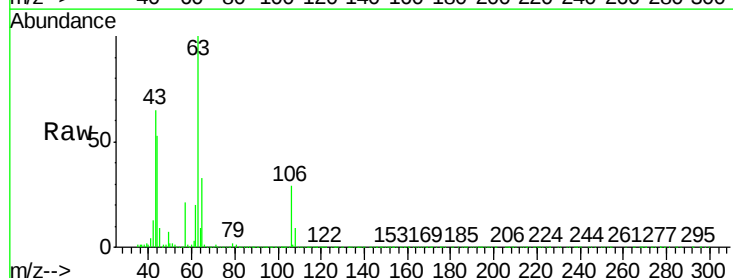
Acq: 30 Dec 2019 20:26

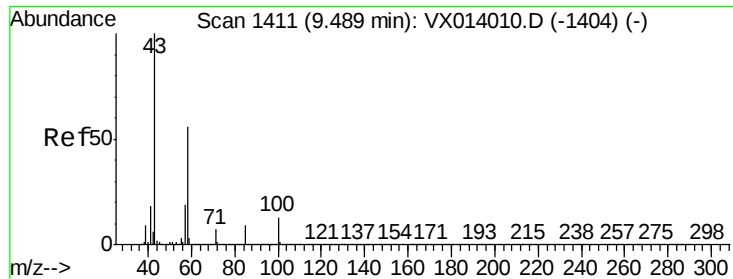
Tgt Ion: 63 Resp: 839079

Ion Ratio Lower Upper

63 100

106 28.2 23.0 34.6

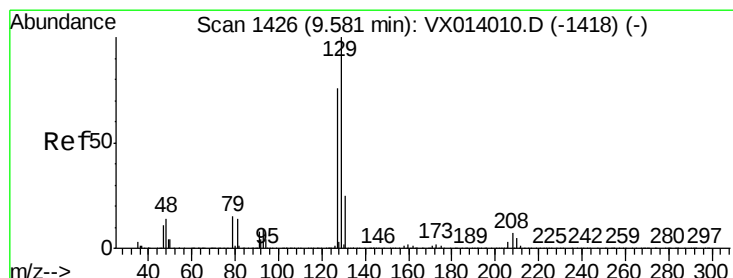
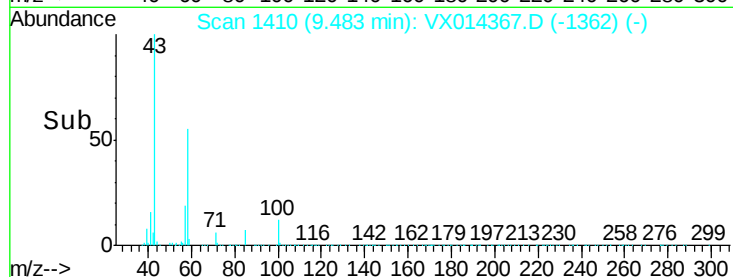
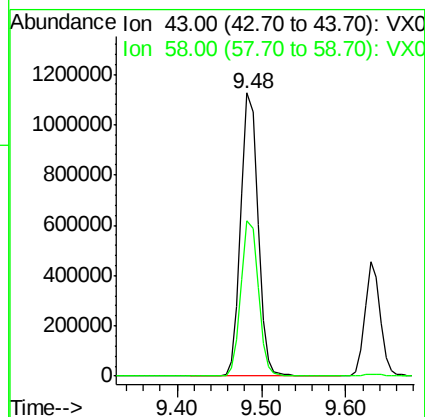
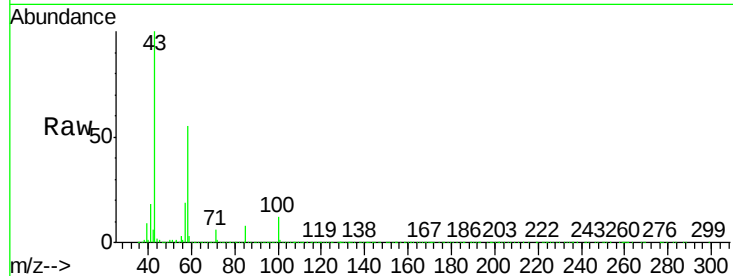




#59  
2-Hexanone  
Concen: 246.436 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. -0.01 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

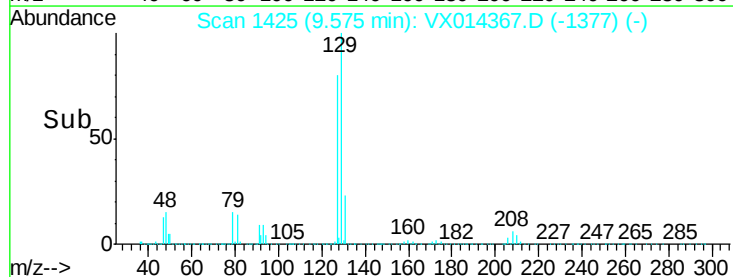
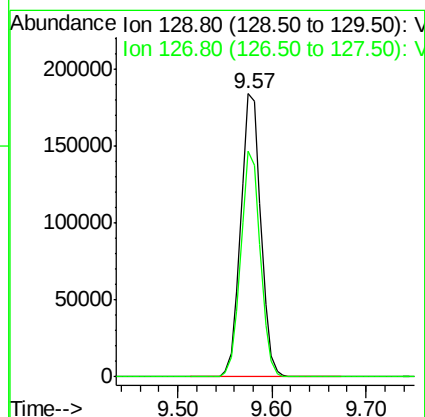
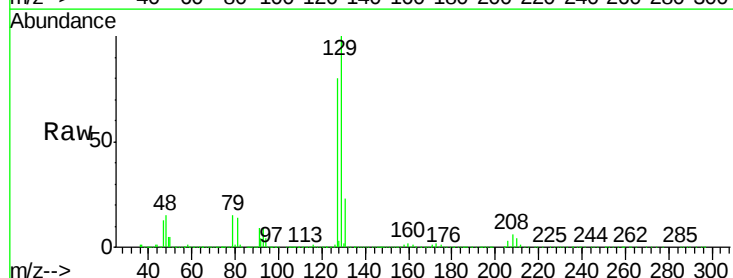
Instrument :  
MSVOA\_X  
ClientSampleId :

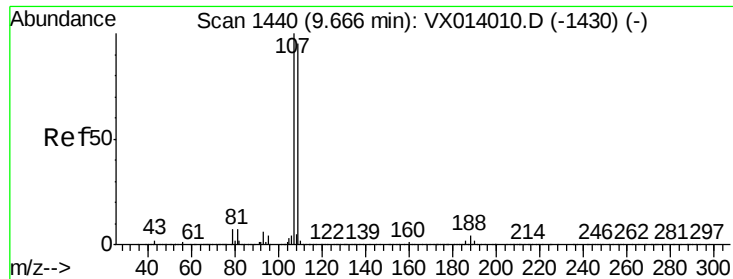
Tot Ion: 43 Resp: 1532848  
Ion Ratio Lower Upper  
43 100  
58 55.3 28.0 84.0



#60  
Dibromochloromethane  
Concen: 52.374 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Tgt Ion: 129 Resp: 273186  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 50.212 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

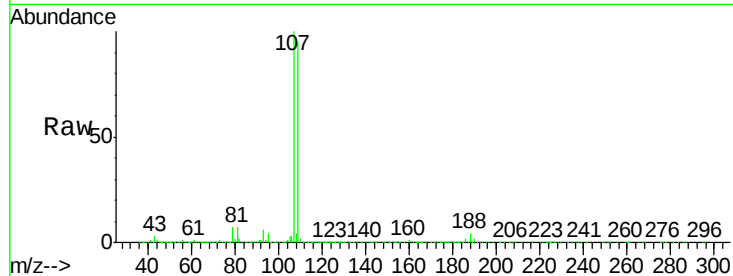
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion:107 Resp: 269592

Ion Ratio Lower Upper

107 100

109 94.5 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

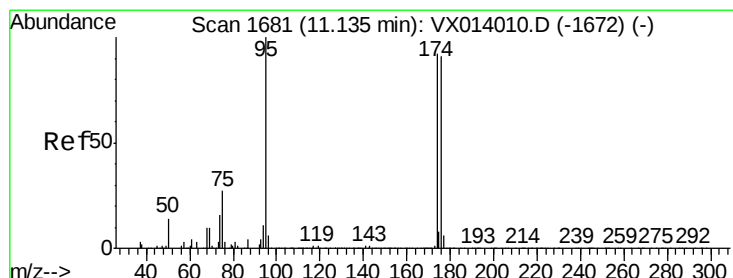
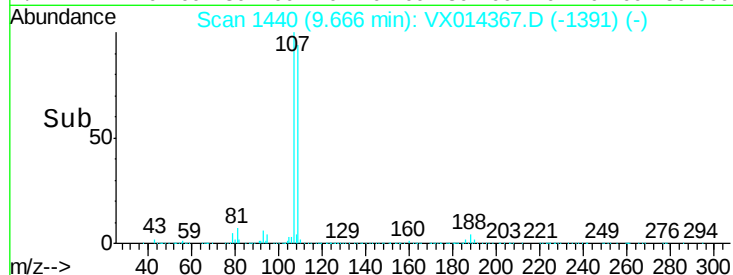
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.263 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

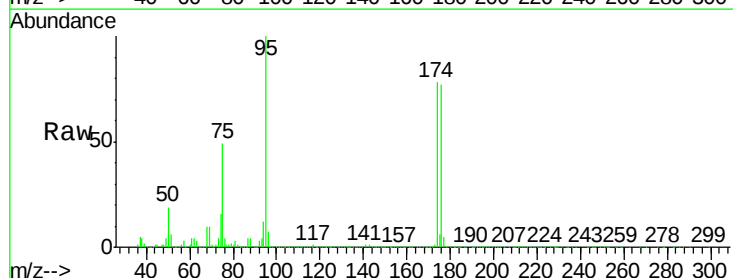
Tgt Ion: 95 Resp: 312699

Ion Ratio Lower Upper

95 100

174 88.1 0.0 175.8

176 86.0 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

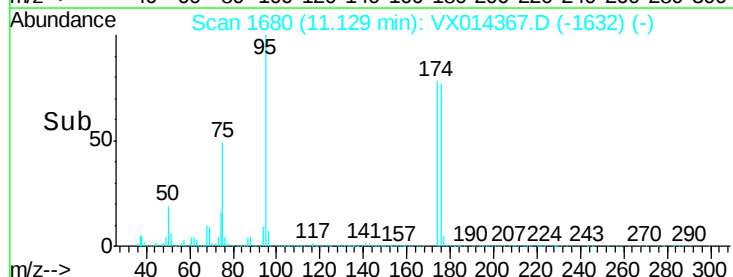
150000

100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

ClientSampleId :

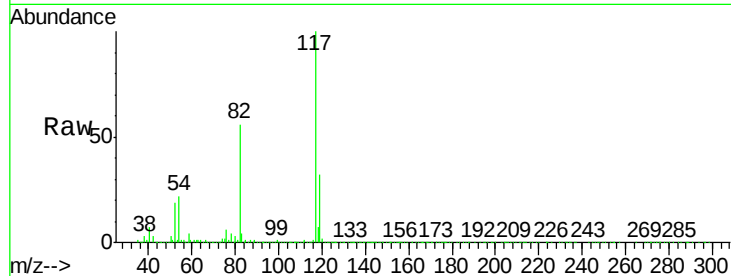
Tot Ion:117 Resp: 662330

Ion Ratio Lower Upper

117 100

82 56.0 42.2 63.4

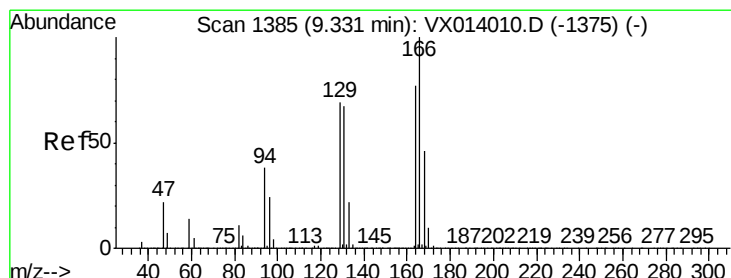
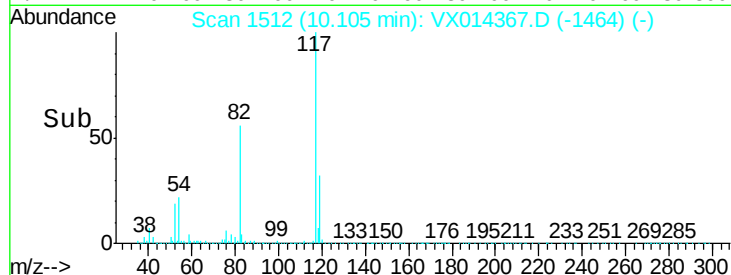
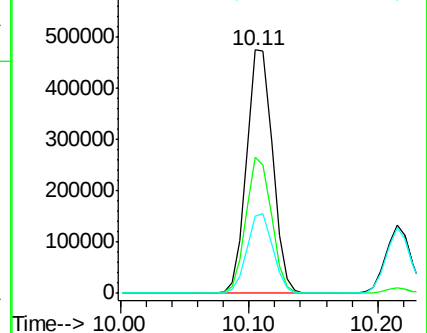
119 31.6 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 46.366 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Tgt Ion:164 Resp: 271744

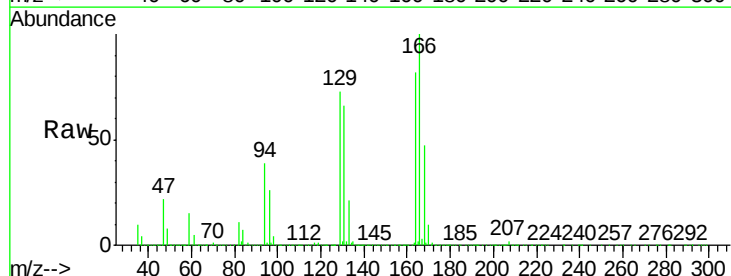
Ion Ratio Lower Upper

164 100

166 122.0 104.0 156.0

129 88.5 72.2 108.4

131 80.5 69.6 104.4

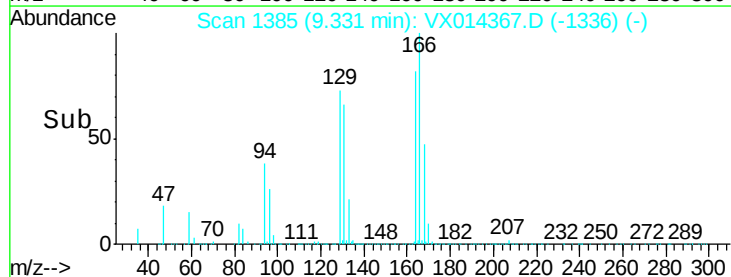
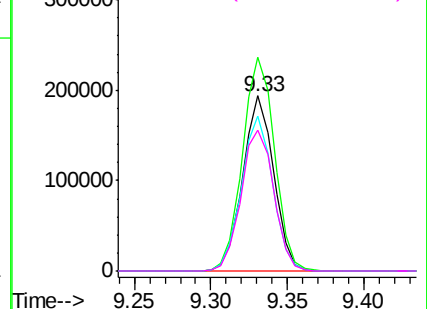


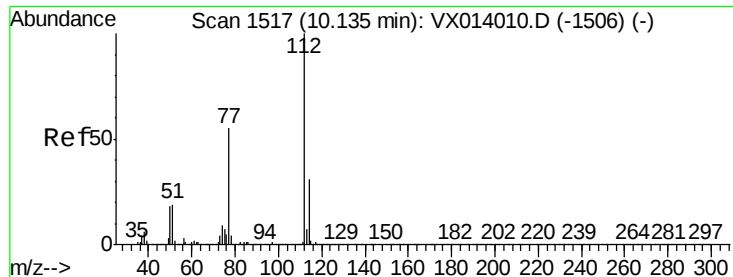
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.345 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

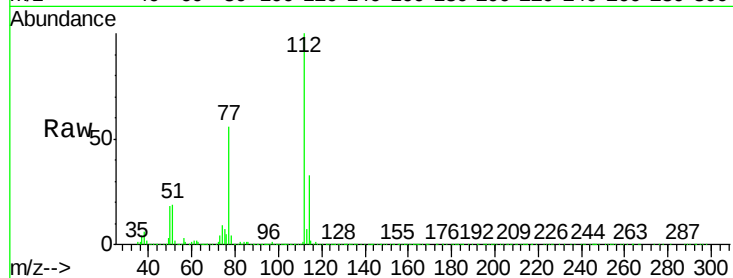
ClientSampled :

Tot Ion:112 Resp: 680833

Ion Ratio Lower Upper

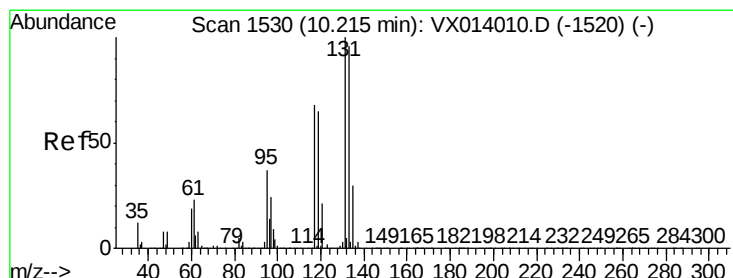
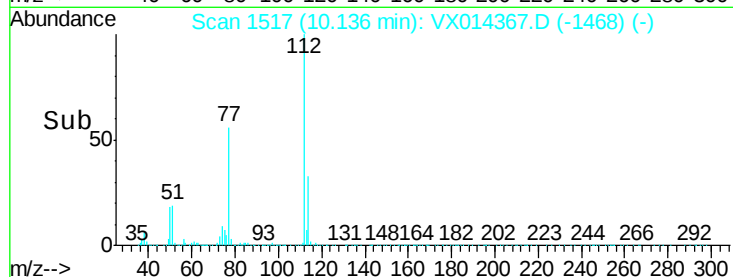
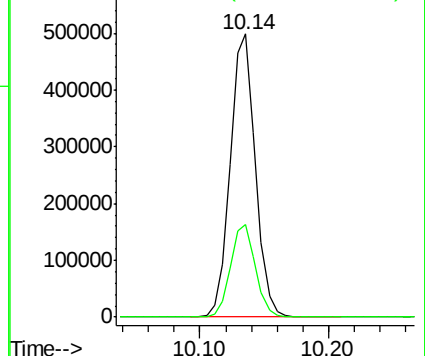
112 100

114 32.6 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.889 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

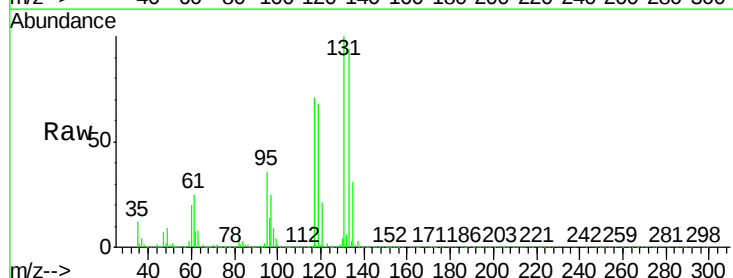
Tgt Ion:131 Resp: 250858

Ion Ratio Lower Upper

131 100

133 96.9 48.0 144.0

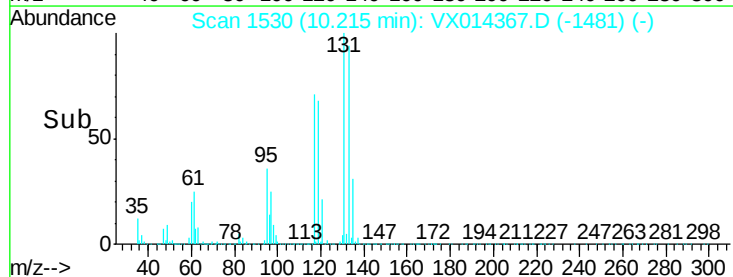
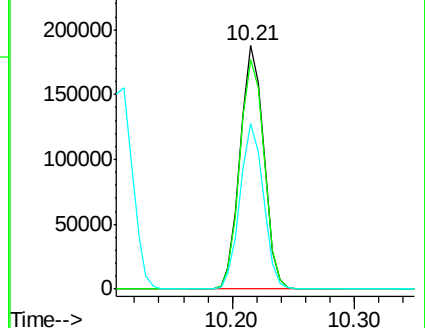
119 67.3 33.4 100.2

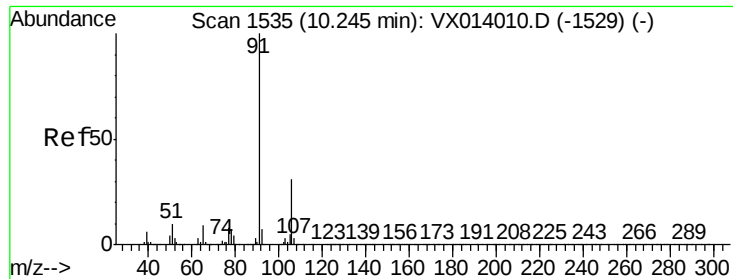


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

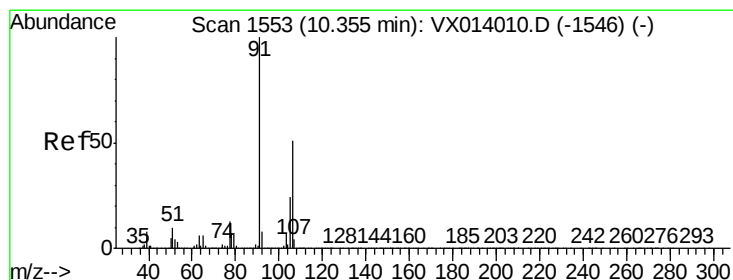
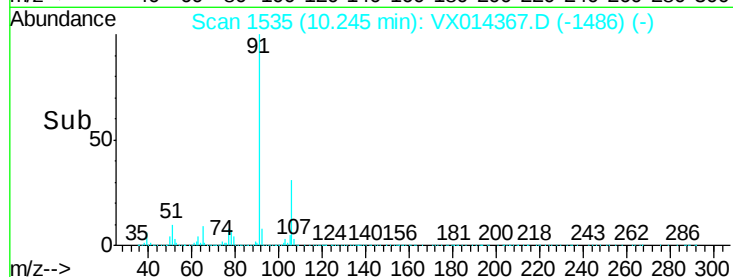
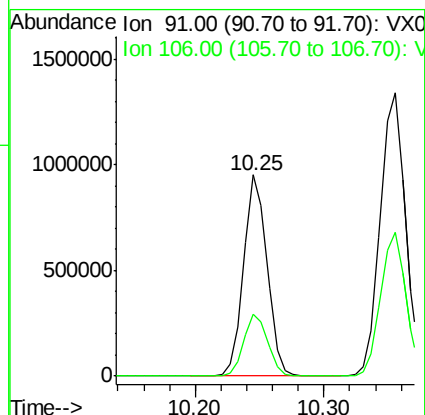
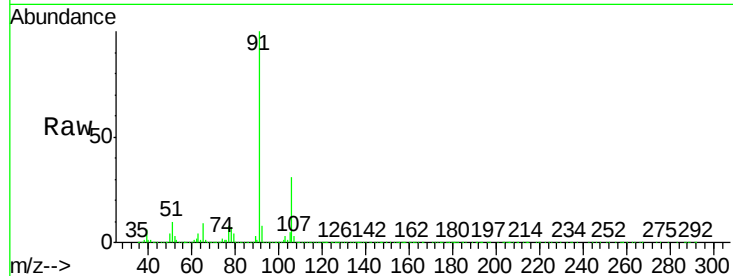




#67  
Ethyl Benzene  
Concen: 49.395 ug/l  
RT: 10.25 min Scan# 1535  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

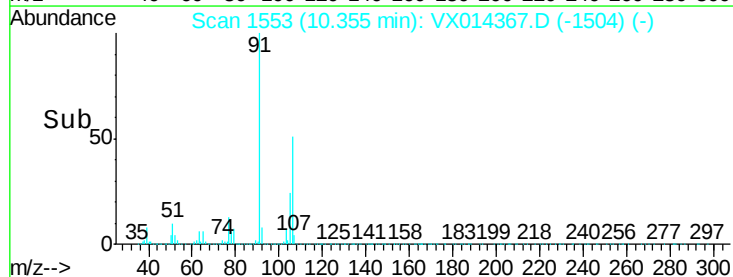
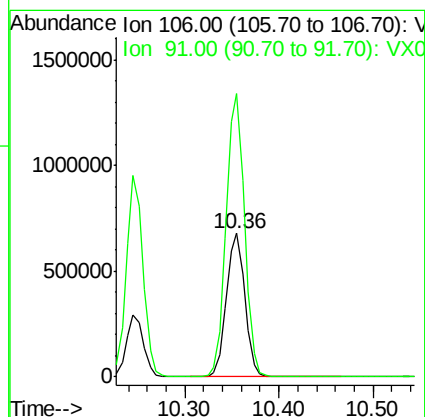
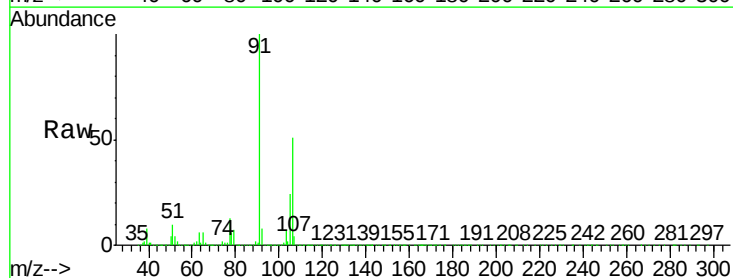
Instrument :  
MSVOA\_X  
ClientSampled :

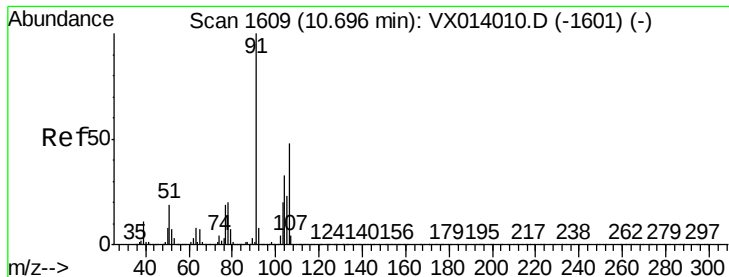
Tot Ion: 91 Resp: 1195933  
Ion Ratio Lower Upper  
91 100  
106 30.8 25.0 37.6



#68  
m/p-Xylenes  
Concen: 98.456 ug/l  
RT: 10.36 min Scan# 1553  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Tgt Ion: 106 Resp: 916835  
Ion Ratio Lower Upper  
106 100  
91 197.3 158.6 238.0

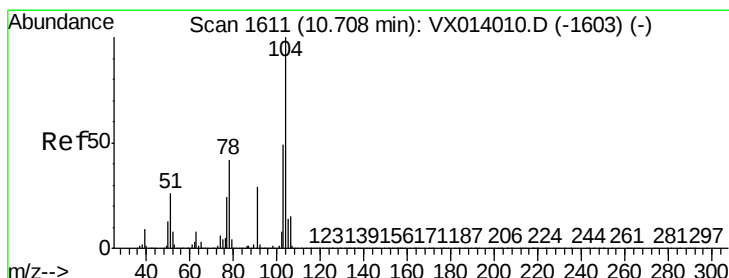
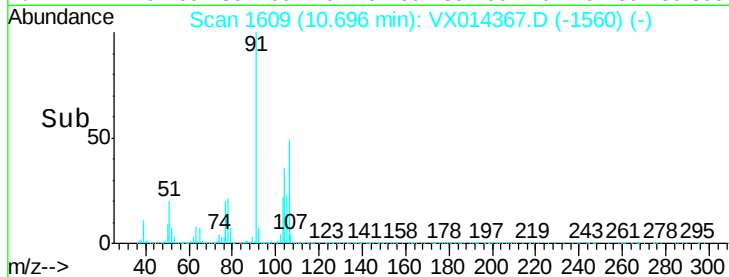
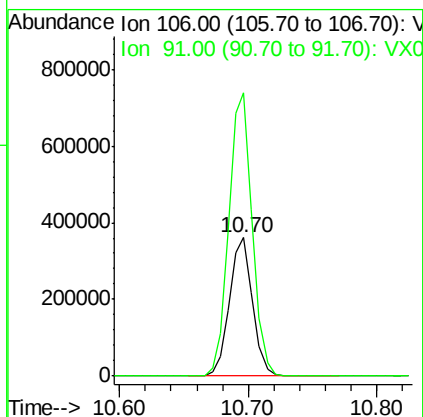
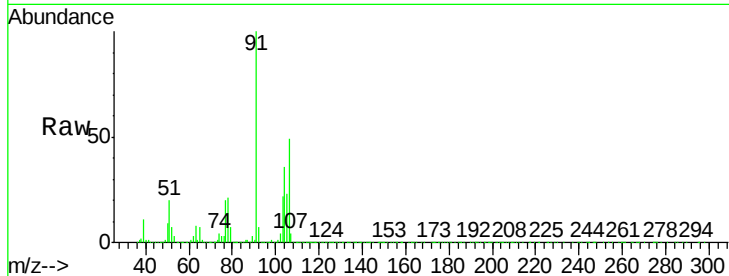




#69  
o-Xylene  
Concen: 49.425 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

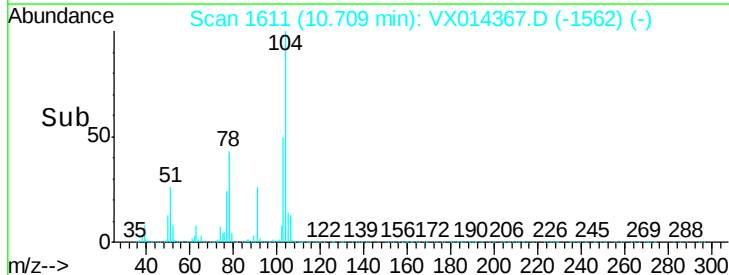
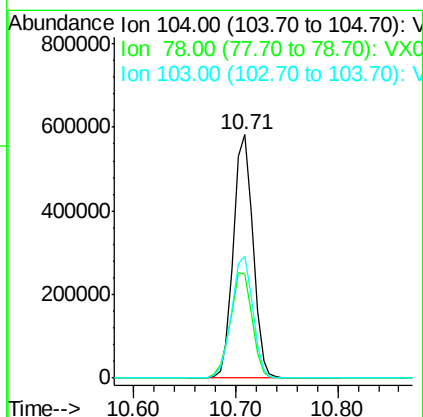
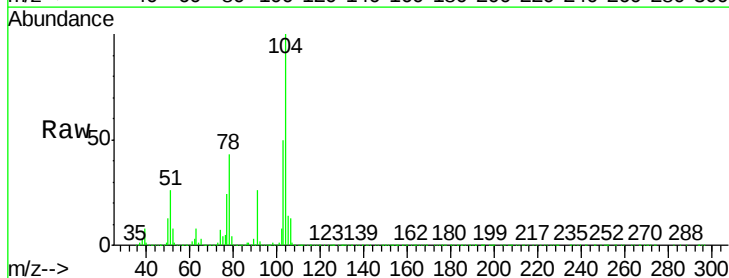
Instrument :  
MSVOA\_X  
ClientSampled :

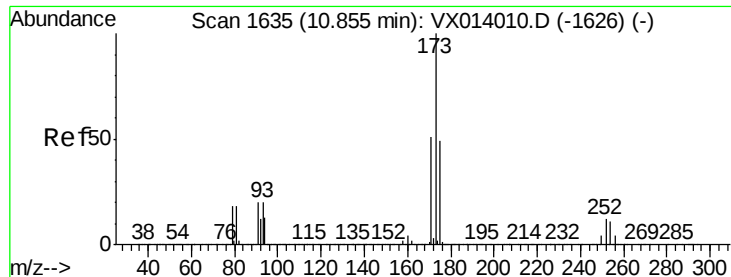
Tot Ion:106 Resp: 451394  
Ion Ratio Lower Upper  
106 100  
91 208.0 104.2 312.6



#70  
Styrene  
Concen: 49.720 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Tgt Ion:104 Resp: 767857  
Ion Ratio Lower Upper  
104 100  
78 48.5 38.5 57.7  
103 54.5 42.9 64.3

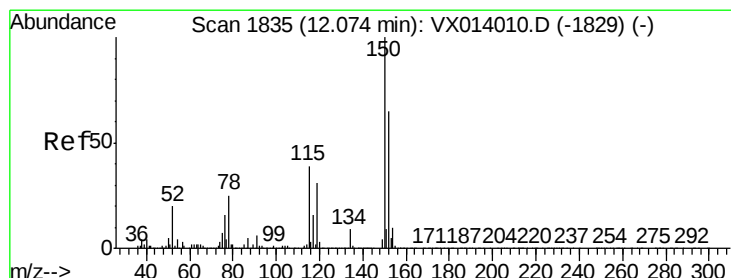
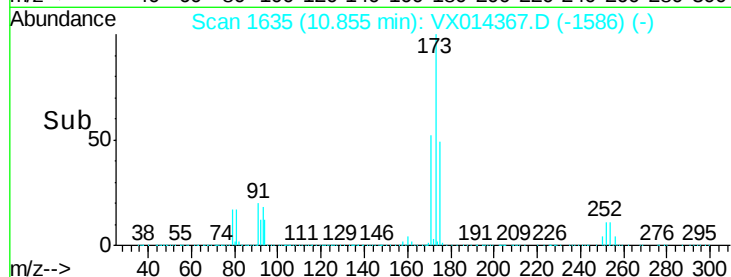
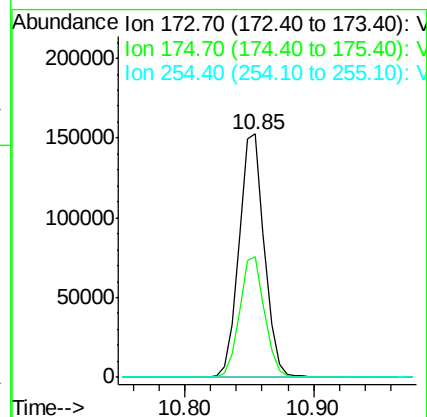
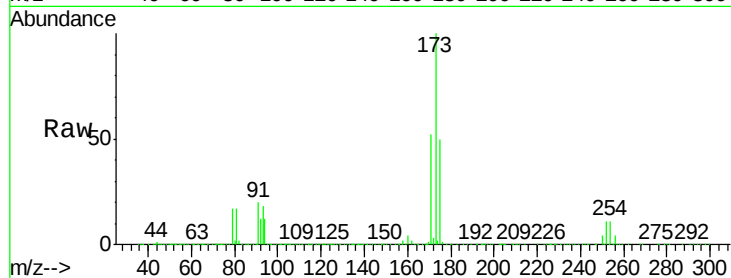




#71  
Bromoform  
Concen: 51.508 ug/l  
RT: 10.85 min Scan# 1635  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

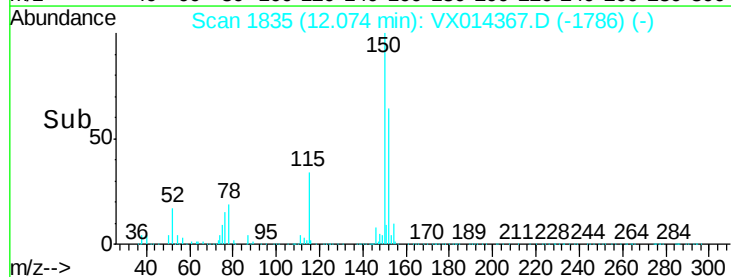
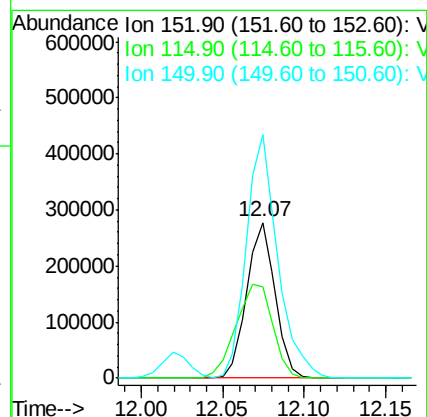
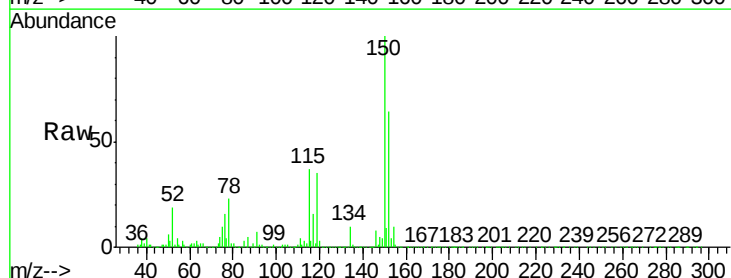
Instrument :  
MSVOA\_X  
ClientSampleId :

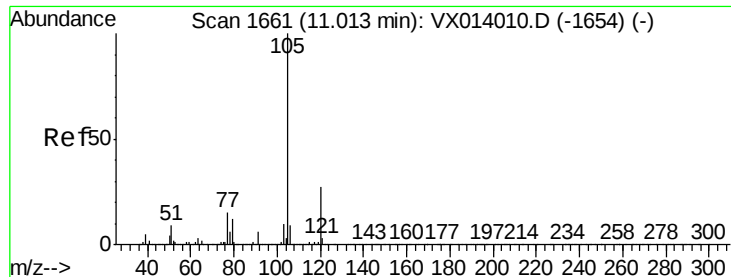
Tot Ion:173 Resp: 208192  
Ion Ratio Lower Upper  
173 100  
175 48.8 24.4 73.4  
254 0.2 0.2 0.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Tgt Ion:152 Resp: 336015  
Ion Ratio Lower Upper  
152 100  
115 78.2 38.3 114.9  
150 173.2 0.0 345.4





#73

Isopropylbenzene

Concen: 49.467 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

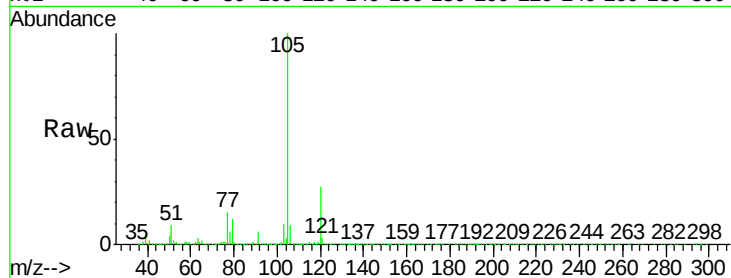
ClientSampleId :

Tot Ion:105 Resp: 1170282

Ion Ratio Lower Upper

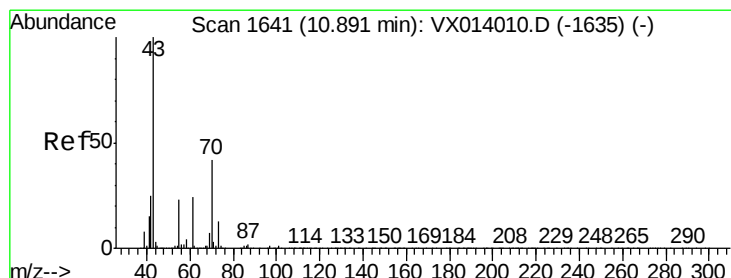
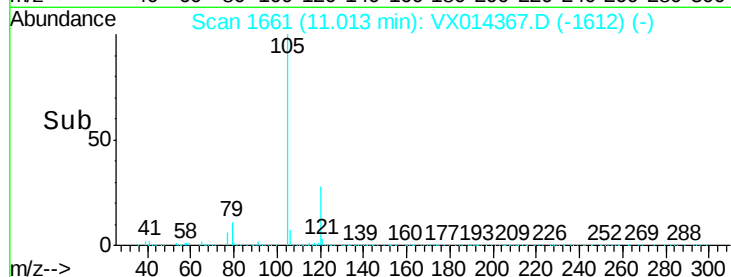
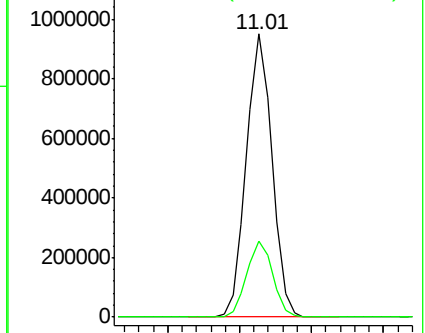
105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.955 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Tgt Ion: 43 Resp: 565068

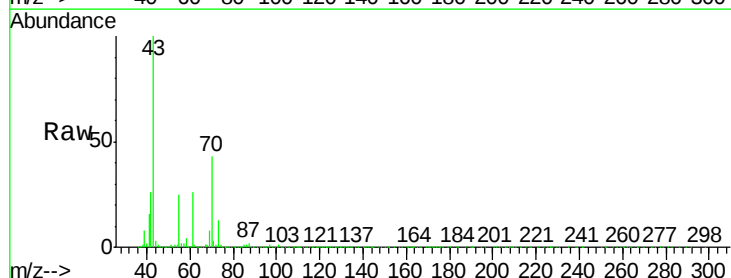
Ion Ratio Lower Upper

43 100

70 43.2 34.4 51.6

55 23.8 19.1 28.7

61 24.9 19.7 29.5

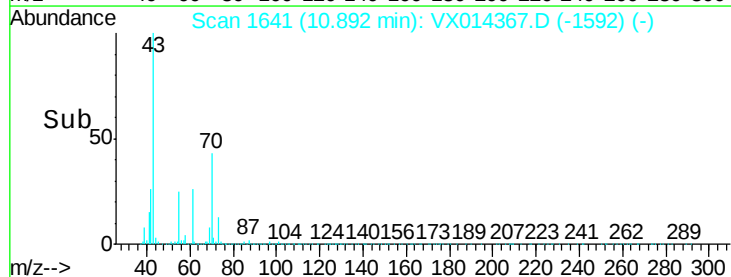
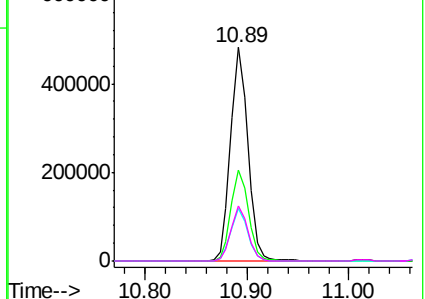


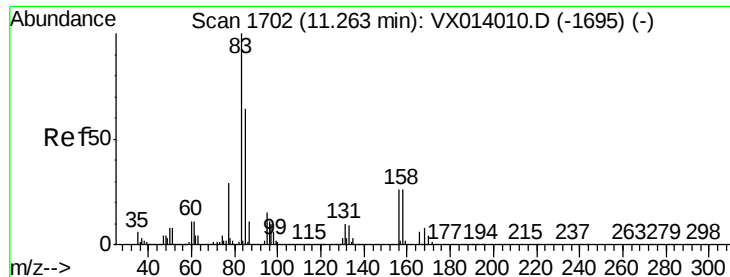
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.637 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

ClientSampleId :

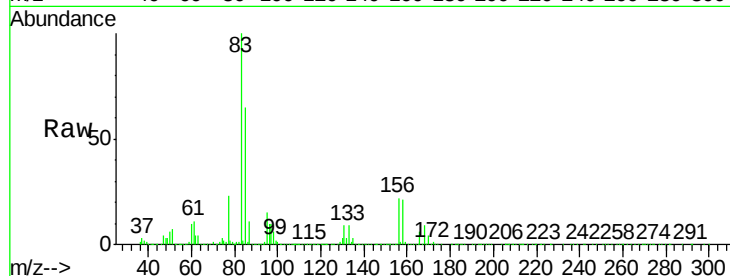
Tot Ion: 83 Resp: 415326

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.2

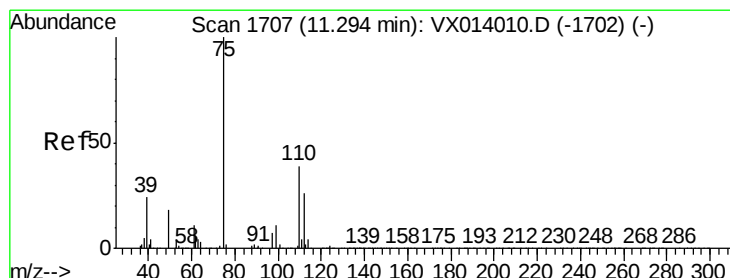
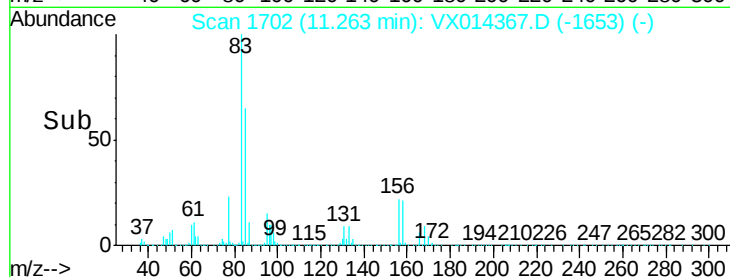
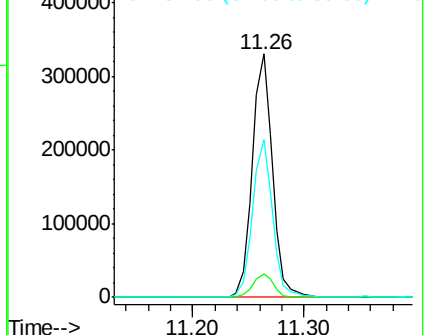
85 64.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 63.630 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014367.D

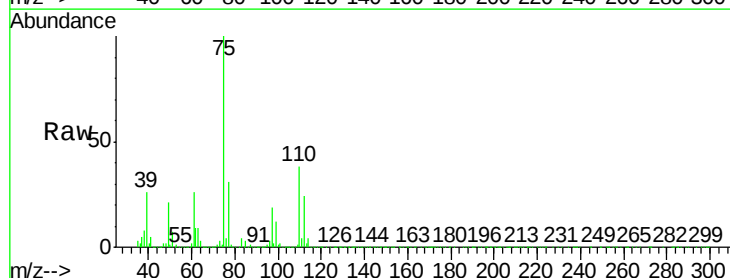
Acq: 30 Dec 2019 20:26

Tgt Ion: 75 Resp: 464172

Ion Ratio Lower Upper

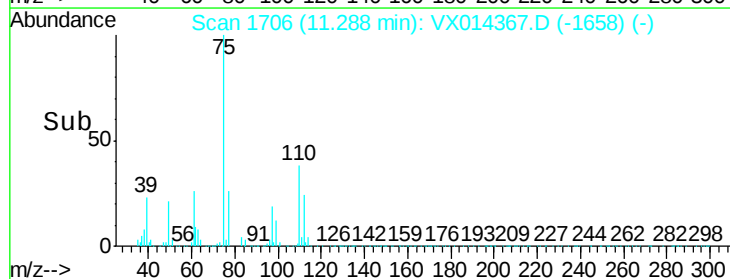
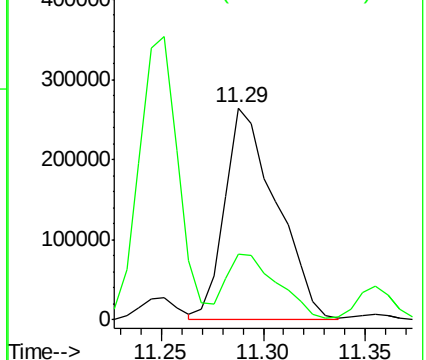
75 100

77 30.6 19.3 57.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.742 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

ClientSampleId :

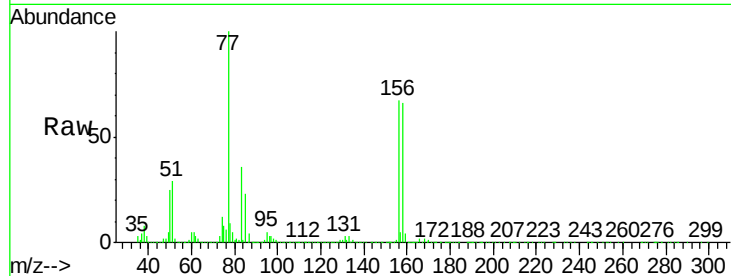
Tot Ion:156 Resp: 304255

Ion Ratio Lower Upper

156 100

77 155.2 76.5 229.5

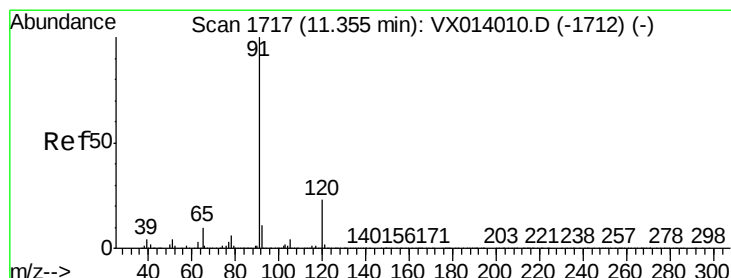
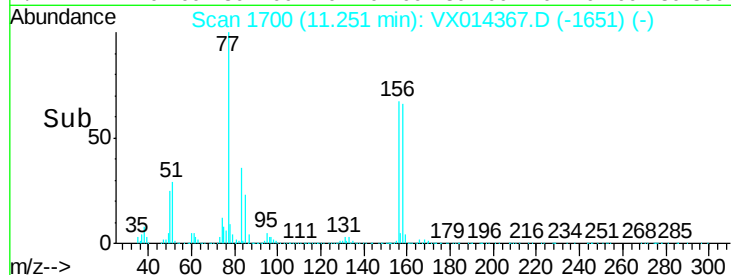
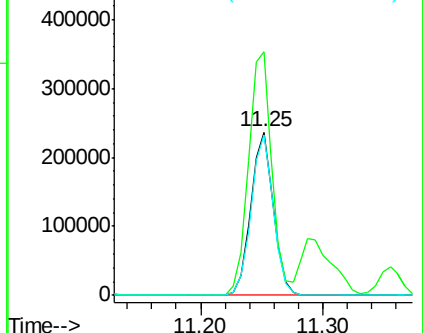
158 97.3 49.3 147.9



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: 50.639 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014367.D

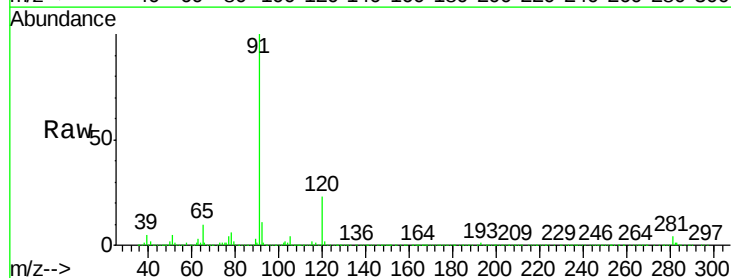
Acq: 30 Dec 2019 20:26

Tgt Ion: 91 Resp: 1343780

Ion Ratio Lower Upper

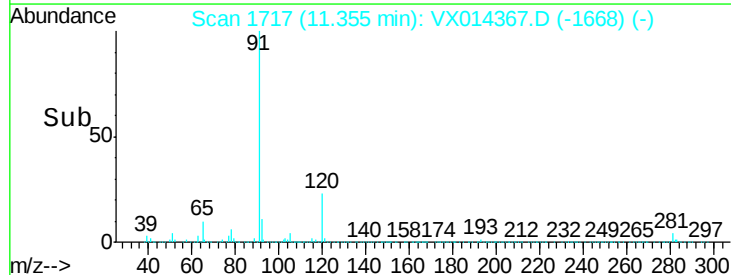
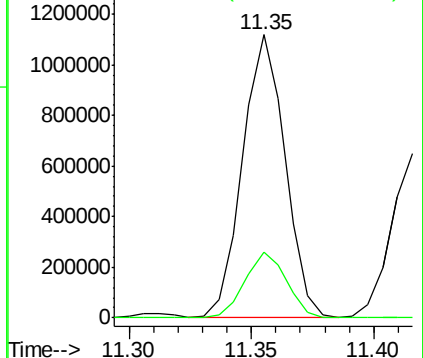
91 100

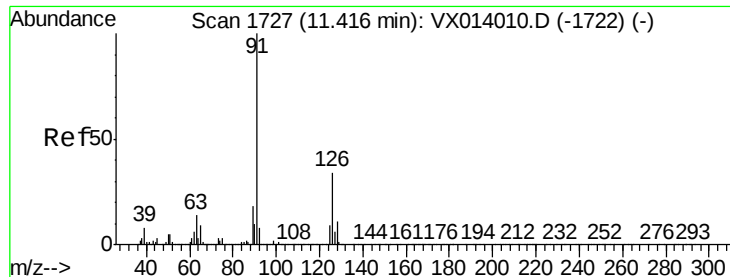
120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.063 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

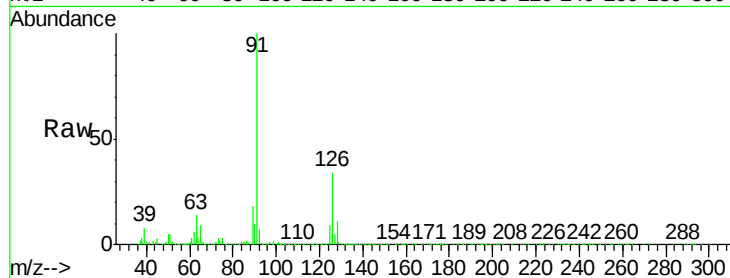
ClientSampleId :

Tot Ion: 91 Resp: 791435

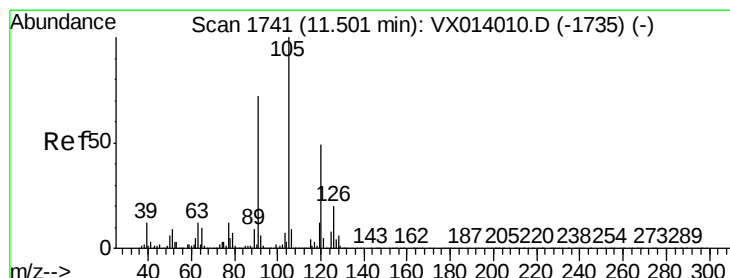
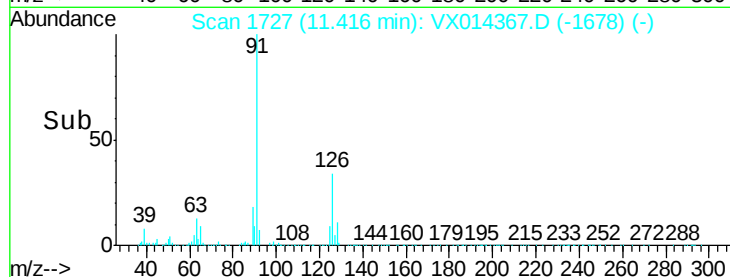
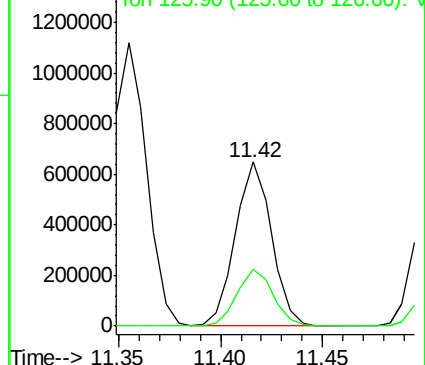
Ion Ratio Lower Upper

91 100

126 34.9 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VX014367.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.403 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014367.D

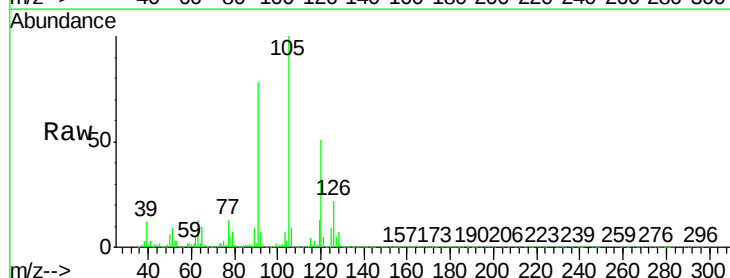
Acq: 30 Dec 2019 20:26

Tgt Ion: 105 Resp: 983658

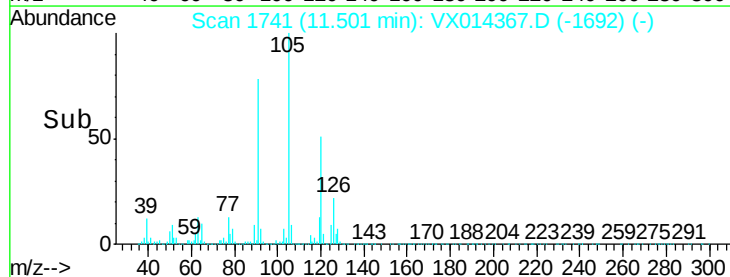
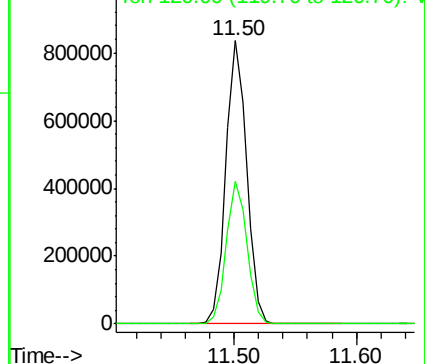
Ion Ratio Lower Upper

105 100

120 50.0 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX014367.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.820 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

ClientSampleId :

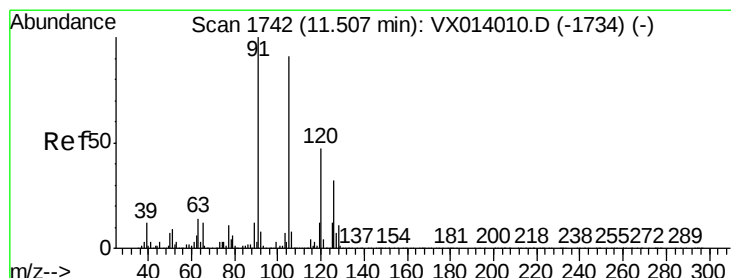
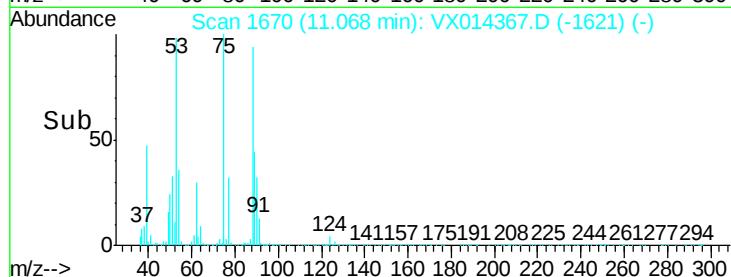
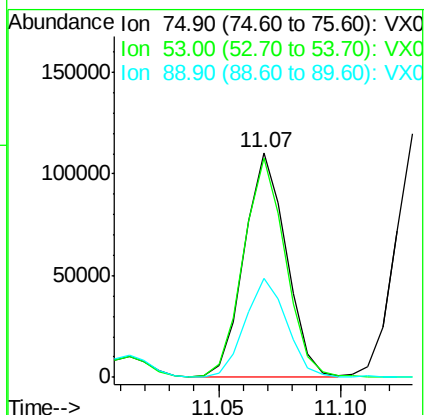
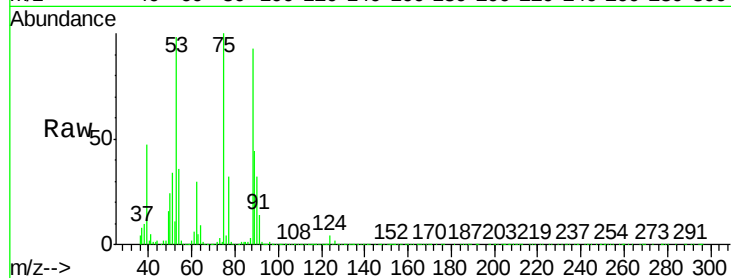
Tot Ion: 75 Resp: 131344

Ion Ratio Lower Upper

75 100

53 97.5 76.7 115.1

89 43.6 34.6 51.8



#82

4-Chlorotoluene

Concen: 48.876 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014367.D

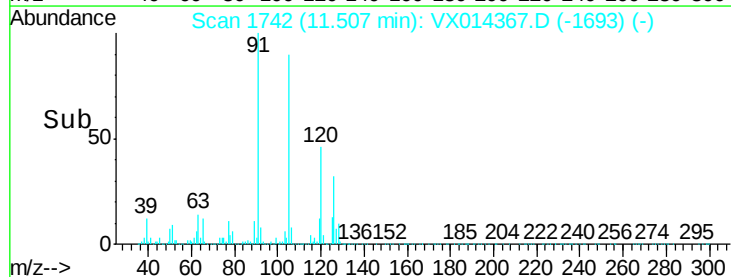
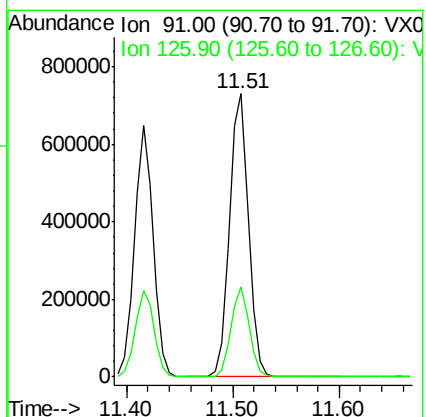
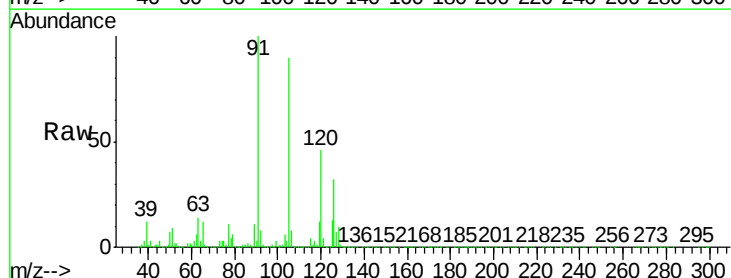
Acq: 30 Dec 2019 20:26

Tgt Ion: 91 Resp: 914530

Ion Ratio Lower Upper

91 100

126 30.3 15.6 46.8

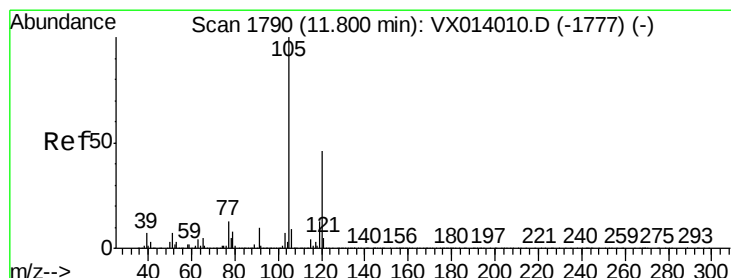
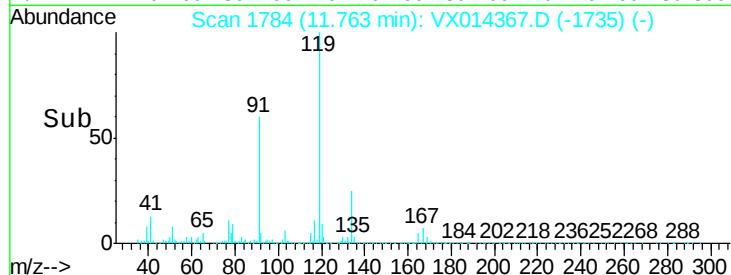
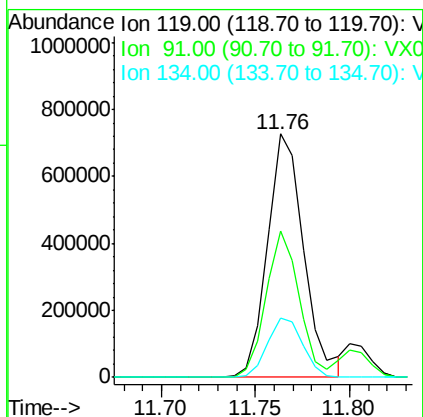
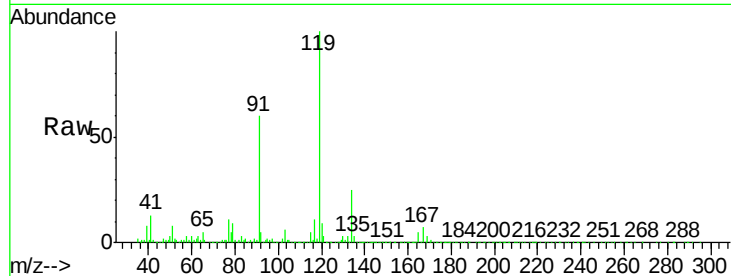




#83  
tert-Butylbenzene  
Concen: 49.993 ug/l  
RT: 11.76 min Scan# 1784  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

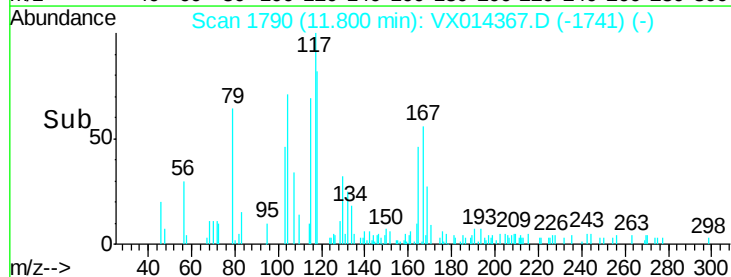
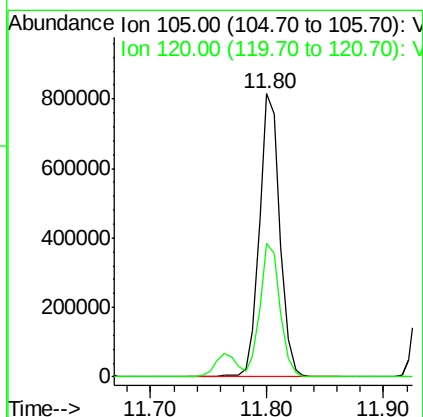
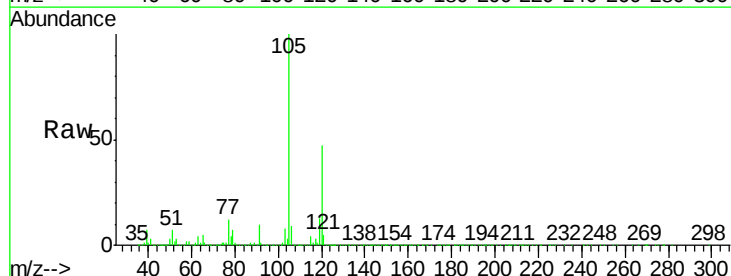
Instrument :  
MSVOA\_X  
ClientSampleId :

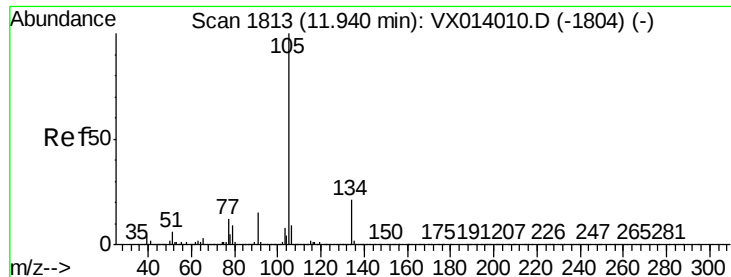
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 55.3  | 28.5  | 85.6  |
| 134     | 23.8  | 12.2  | 36.6  |



#84  
1,2,4-Trimethylbenzene  
Concen: 49.759 ug/l  
RT: 11.80 min Scan# 1790  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.9  | 23.1  | 69.2  |





#85

sec-Butylbenzene

Concen: 50.028 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

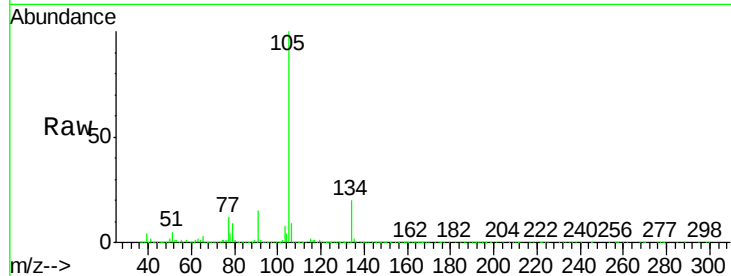
ClientSampleId :

Tot Ion:105 Resp: 1144354

Ion Ratio Lower Upper

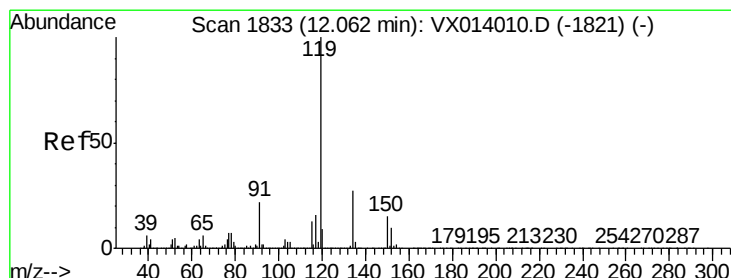
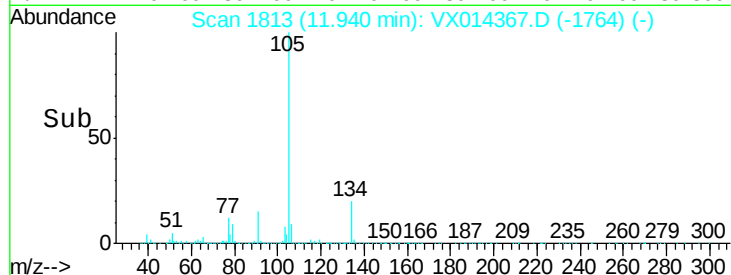
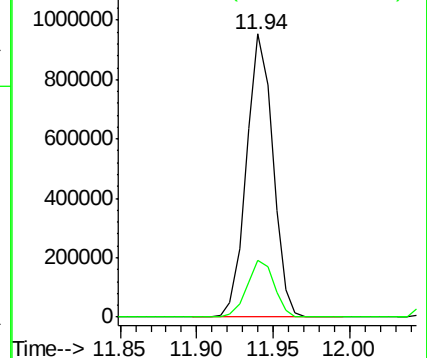
105 100

134 20.6 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.952 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

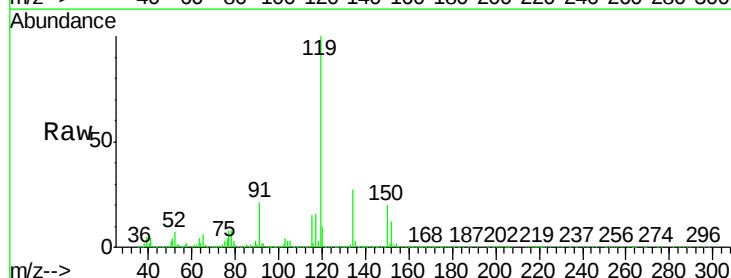
Tgt Ion:119 Resp: 1045194

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

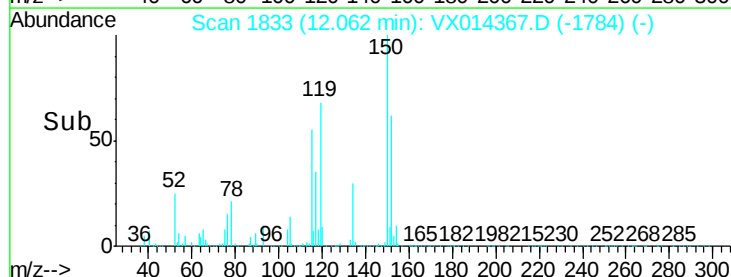
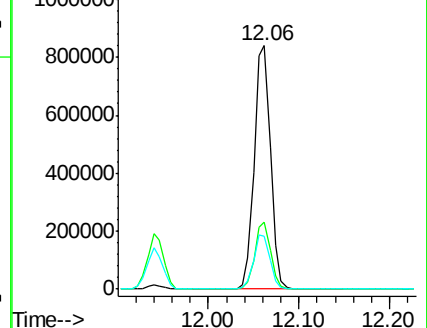
91 22.1 11.4 34.1

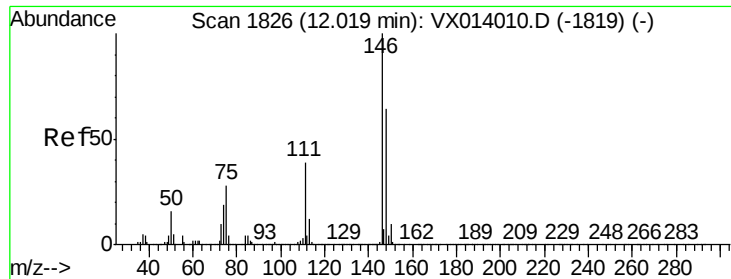


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

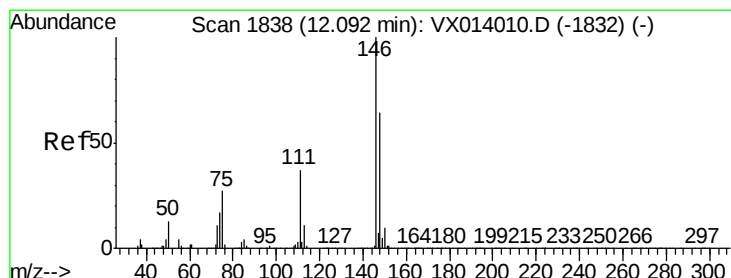
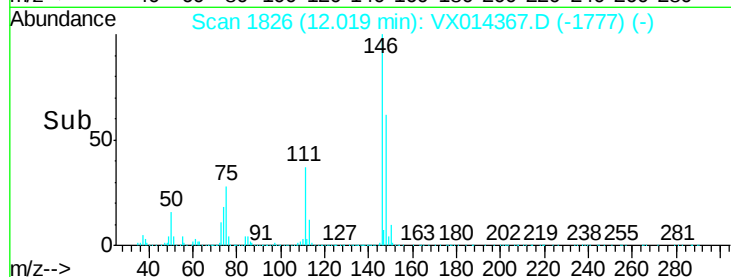
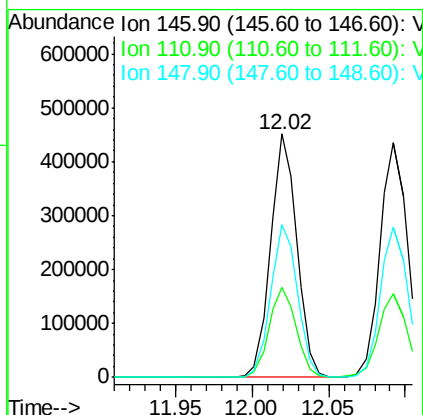
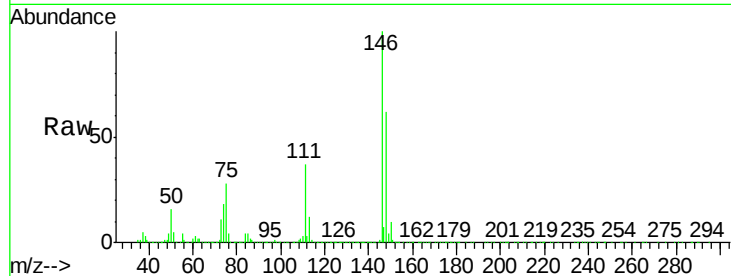




#87  
 1,3-Dichlorobenzene  
 Concen: 47.455 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: VX014367.D  
 Acq: 30 Dec 2019 20:26

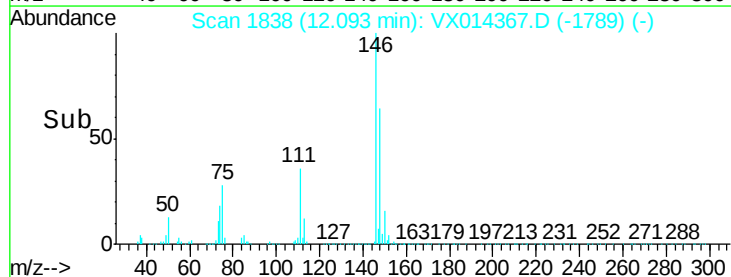
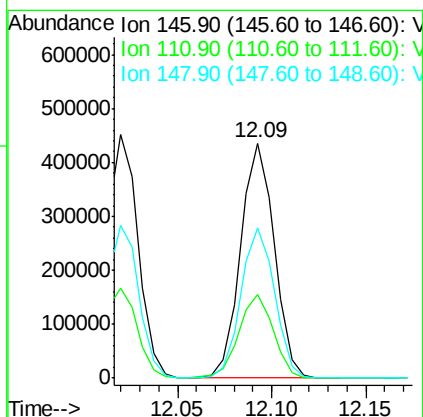
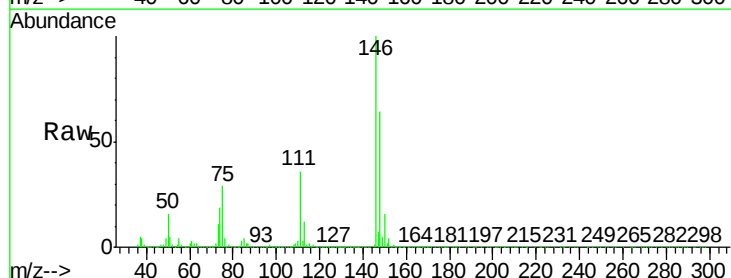
Instrument :  
 MSVOA\_X  
 ClientSampleId :

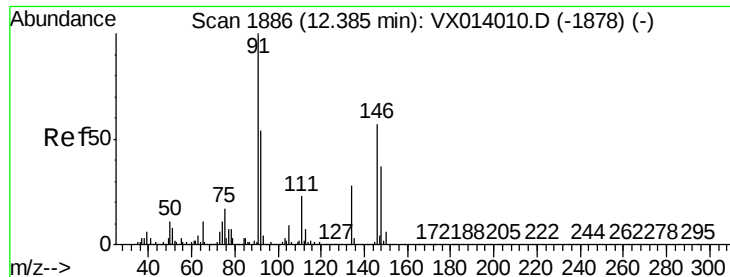
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.8  | 19.1  | 57.1  |
| 148     | 63.9  | 32.3  | 96.9  |



#88  
 1,4-Dichlorobenzene  
 Concen: 46.477 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. 0.00 min  
 Lab File: VX014367.D  
 Acq: 30 Dec 2019 20:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.8  | 18.7  | 56.1  |
| 148     | 64.1  | 31.9  | 95.9  |





#89

n-Butylbenzene

Concen: 51.129 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

ClientSampled :

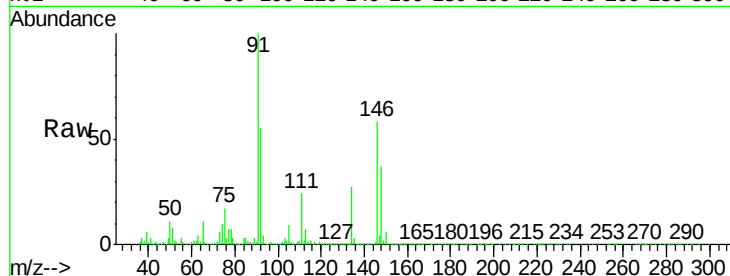
Tot Ion: 91 Resp: 912844

Ion Ratio Lower Upper

91 100

92 54.5 27.2 81.6

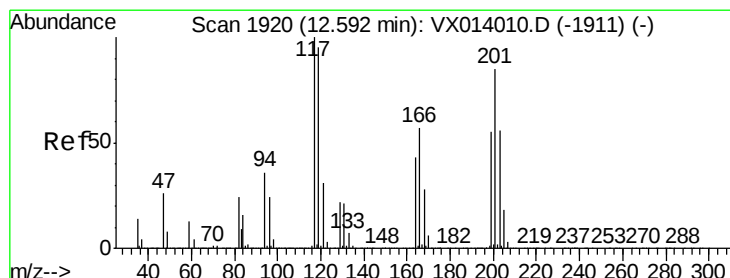
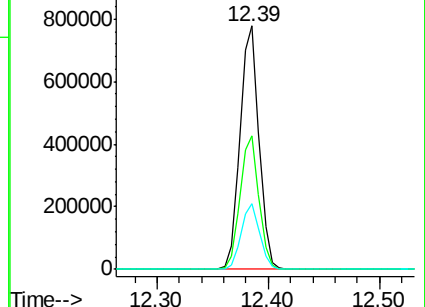
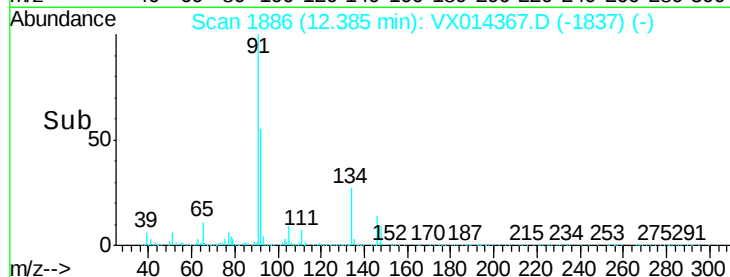
134 26.5 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VX014010.D (-1878) (-)

Ion 92.00 (91.70 to 92.70): VX014010.D (-1878) (-)

Ion 134.00 (133.70 to 134.70): VX014010.D (-1878) (-)



#90

Hexachloroethane

Concen: 49.477 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX014367.D

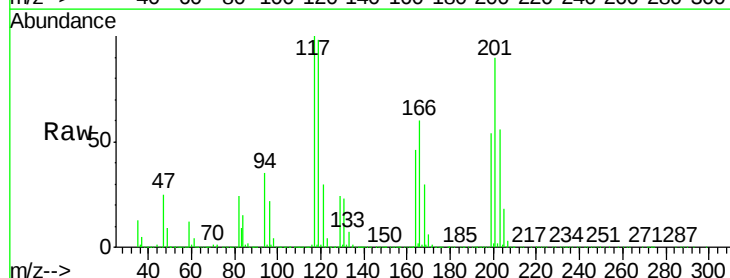
Acq: 30 Dec 2019 20:26

Tgt Ion: 117 Resp: 185948

Ion Ratio Lower Upper

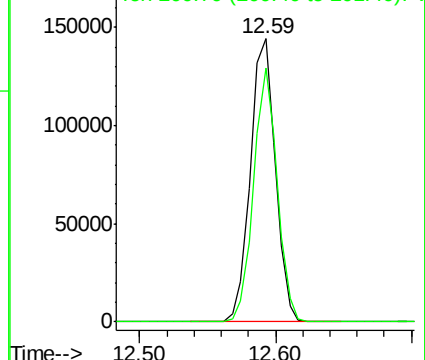
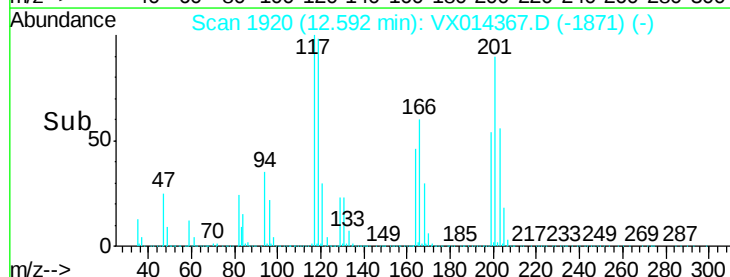
117 100

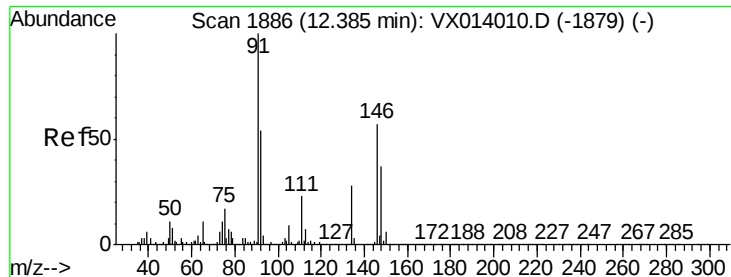
201 85.2 43.1 129.3



Abundance Ion 116.80 (116.50 to 117.50): VX014010.D (-1911) (-)

Ion 200.70 (200.40 to 201.40): VX014010.D (-1911) (-)





#91

1,2-Dichlorobenzene

Concen: 47.442 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

ClientSampled :

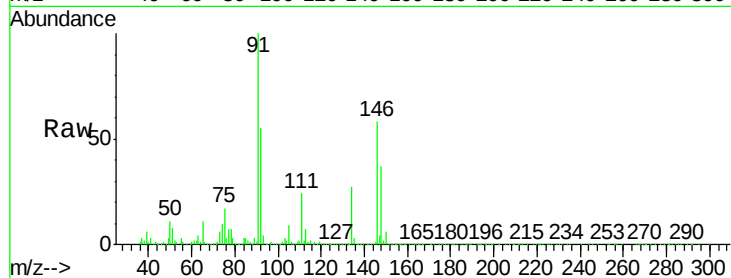
Tot Ion:146 Resp: 544832

Ion Ratio Lower Upper

146 100

111 39.9 19.7 59.1

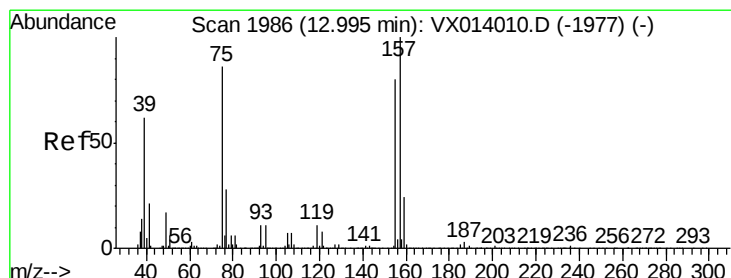
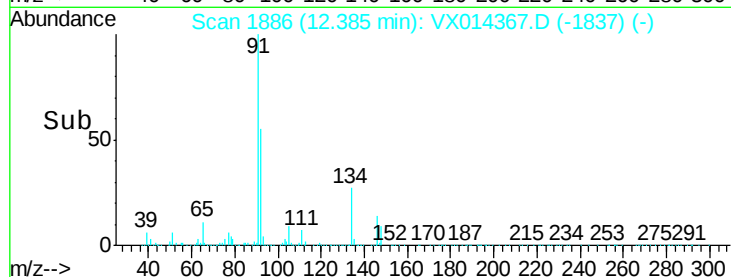
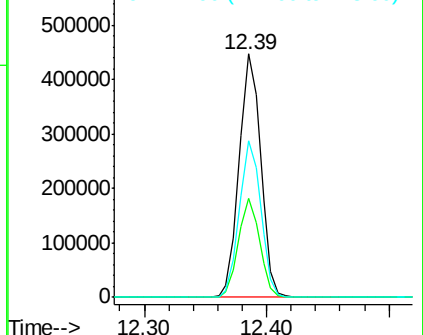
148 64.0 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.061 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

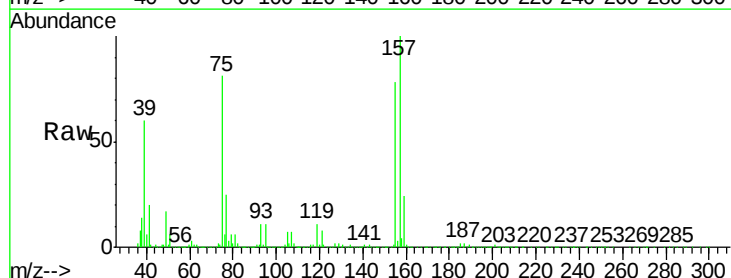
Tgt Ion: 75 Resp: 87233

Ion Ratio Lower Upper

75 100

155 96.8 46.9 140.6

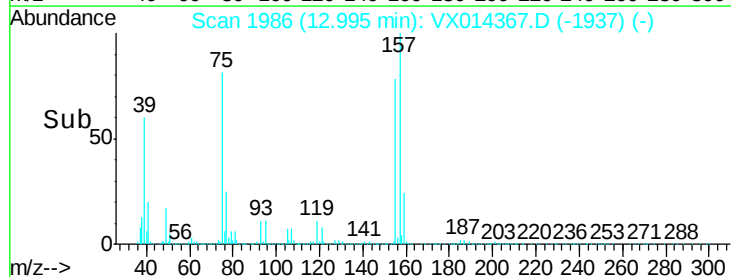
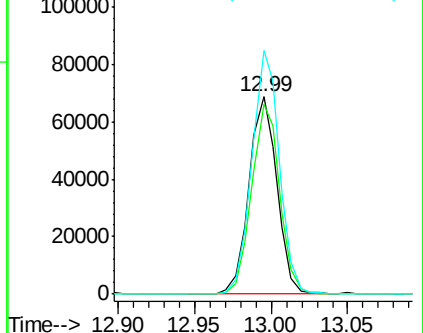
157 122.0 60.8 182.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 49.161 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

Instrument :

MSVOA\_X

ClientSampleId :

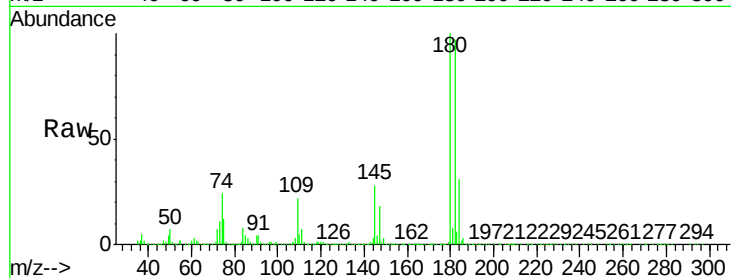
Tot Ion:180 Resp: 366946

Ion Ratio Lower Upper

180 100

182 96.3 46.6 139.8

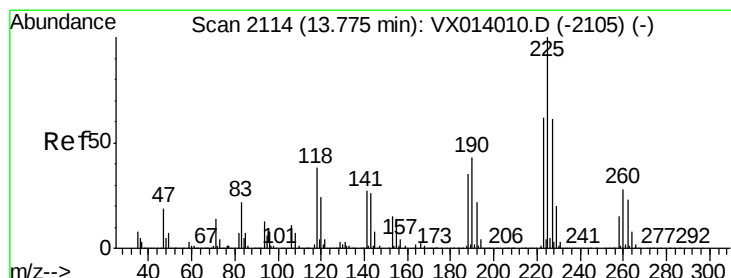
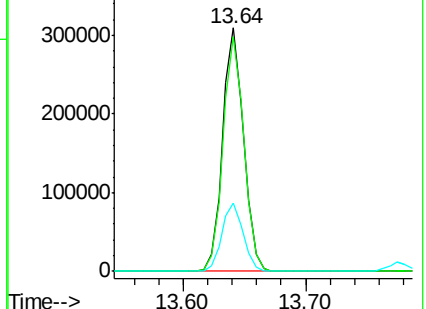
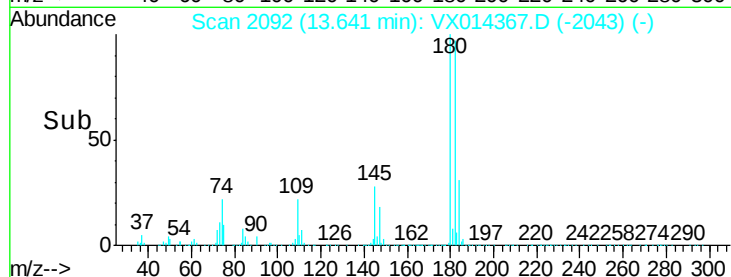
145 28.5 14.2 42.6



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: 48.699 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX014367.D

Acq: 30 Dec 2019 20:26

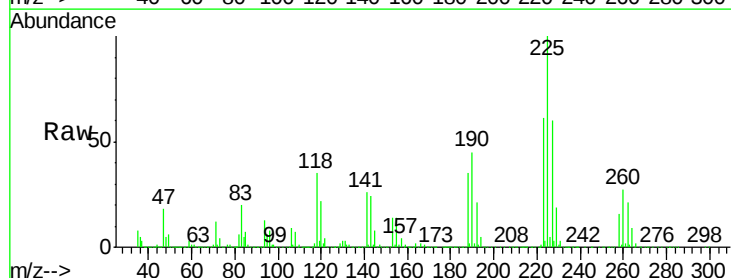
Tgt Ion:225 Resp: 174694

Ion Ratio Lower Upper

225 100

223 61.6 30.9 92.5

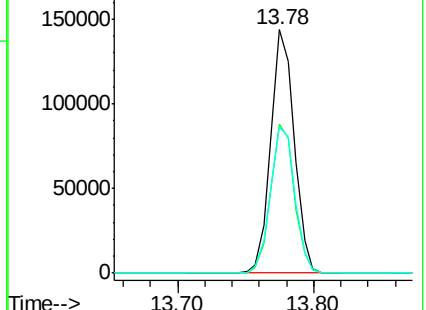
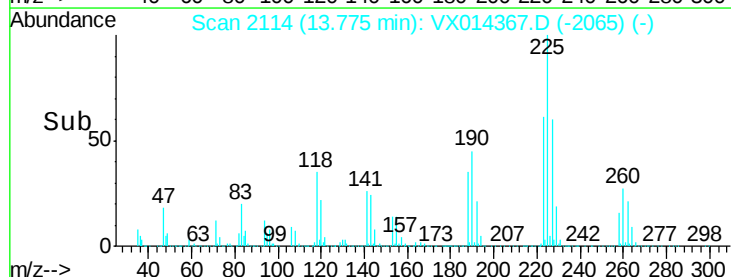
227 62.7 30.9 92.7

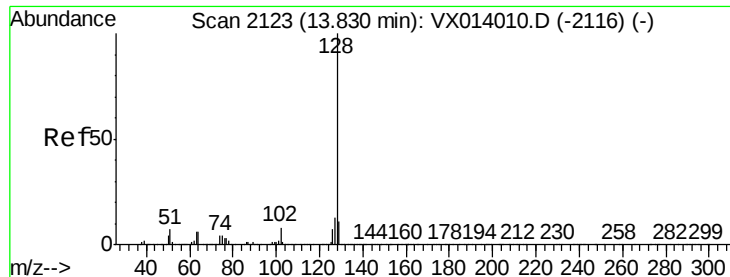


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

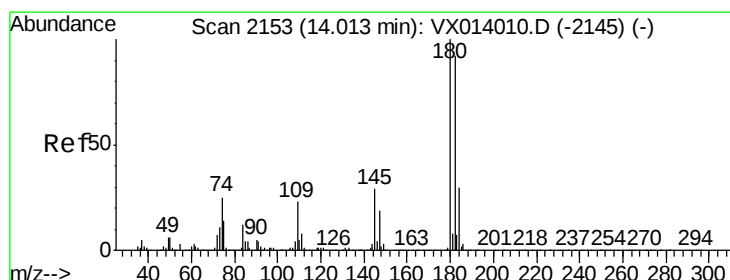
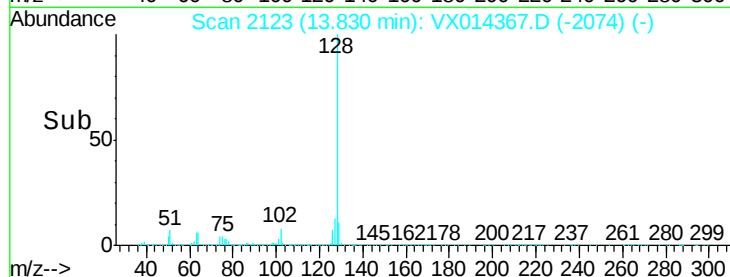
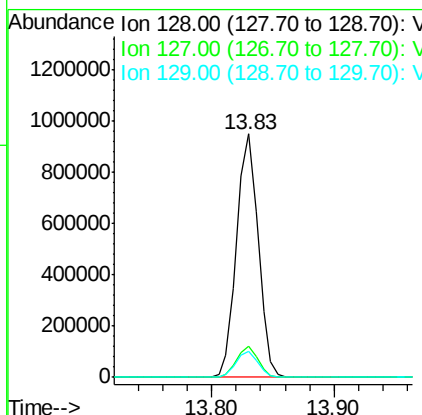
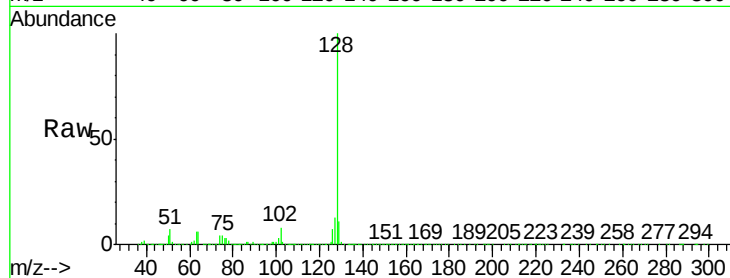




#95  
Naphthalene  
Concen: 52.751 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:128 Resp: 1156828  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.2 15.4  
129 10.8 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 50.577 ug/l  
RT: 14.01 min Scan# 2153  
Delta R.T. 0.00 min  
Lab File: VX014367.D  
Acq: 30 Dec 2019 20:26

Tgt Ion:180 Resp: 372664  
Ion Ratio Lower Upper  
180 100  
182 95.1 46.8 140.3  
145 29.8 14.8 44.4

