

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021820\  
 Data File : VX014947.D  
 Acq On : 18 Feb 2020 09:54  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Feb 19 00:13:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X021020W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 10 12:09:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 463223   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 674339   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 621130   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 329599   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 239827   | 45.88  | ug/l   | -0.01    |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 91.76% |          |
| 35) Dibromofluoromethane    | 5.48  | 113  | 199440   | 48.11  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 96.22% |          |
| 50) Toluene-d8              | 8.71  | 98   | 753855   | 47.64  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 95.28% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 271987   | 47.71  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 95.42% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85   | 218150   | 49.729  | ug/l  | 99     |
| 3) Chloromethane              | 1.32 | 50   | 234427   | 47.135  | ug/l  | 100    |
| 4) Vinyl Chloride             | 1.41 | 62   | 250793   | 46.810  | ug/l  | 98     |
| 5) Bromomethane               | 1.63 | 94   | 160592   | 46.307  | ug/l  | 96     |
| 6) Chloroethane               | 1.72 | 64   | 158268   | 46.167  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 354966   | 47.420  | ug/l  | 98     |
| 8) Diethyl Ether              | 2.18 | 74   | 146933   | 47.334  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101  | 207813   | 47.827  | ug/l  | 98     |
| 10) Methyl Iodide             | 2.50 | 142  | 242721   | 50.098  | ug/l  | 98     |
| 11) Tert butyl alcohol        | 3.02 | 59   | 225463   | 244.260 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96   | 203349   | 47.893  | ug/l  | 96     |
| 13) Acrolein                  | 2.28 | 56   | 166697   | 236.950 | ug/l  | 97     |
| 14) Allyl chloride            | 2.72 | 41   | 351329   | 46.671  | ug/l  | 99     |
| 15) Acrylonitrile             | 3.13 | 53   | 557969   | 238.449 | ug/l  | 99     |
| 16) Acetone                   | 2.43 | 43   | 782559   | 279.975 | ug/l  | 99     |
| 17) Carbon Disulfide          | 2.56 | 76   | 526957   | 44.420  | ug/l  | 100    |
| 18) Methyl Acetate            | 2.76 | 43   | 257081   | 48.827  | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 3.18 | 73   | 667072   | 48.275  | ug/l  | 98     |
| 20) Methylene Chloride        | 2.85 | 84   | 225588   | 44.857  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96   | 211817   | 45.212  | ug/l  | 97     |
| 22) Diisopropyl ether         | 3.84 | 45   | 704435   | 48.996  | ug/l  | 99     |
| 23) Vinyl Acetate             | 3.80 | 43   | 3019184  | 254.738 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63   | 388512   | 47.879  | ug/l  | 99     |
| 25) 2-Butanone                | 4.65 | 43   | 922147   | 259.095 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 4.57 | 77   | 334387   | 47.818  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96   | 244305   | 46.649  | ug/l  | 99     |
| 28) Bromochloromethane        | 5.00 | 49   | 154704   | 49.187  | ug/l  | 100    |
| 29) Tetrahydrofuran           | 5.11 | 42   | 495859   | 245.083 | ug/l  | 100    |
| 30) Chloroform                | 5.19 | 83   | 385737   | 47.913  | ug/l  | 98     |
| 31) Cyclohexane               | 5.57 | 56   | 351681   | 47.585  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97   | 335441   | 47.632  | ug/l  | 98     |
| 36) 1,1-Dichloropropene       | 5.79 | 75   | 293534   | 48.661  | ug/l  | 100    |
| 37) Ethyl Acetate             | 4.81 | 43   | 306674   | 48.744  | ug/l  | 100    |
| 38) Carbon Tetrachloride      | 5.77 | 117  | 293043   | 49.850  | ug/l  | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021820\  
 Data File : VX014947.D  
 Acq On : 18 Feb 2020 09:54  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Feb 19 00:13:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X021020W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 10 12:09:20 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 370133   | 49.063   | ug/l   | 100      |
| 40) Benzene                    | 6.13  | 78   | 881897   | 48.932   | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.02  | 41   | 173637   | 51.231   | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 312571   | 47.984   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 515250   | 49.646   | ug/l   | 100      |
| 44) Trichloroethene            | 7.20  | 130  | 247912   | 47.383   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.50  | 63   | 227450   | 49.484   | ug/l   | 100      |
| 46) Dibromomethane             | 7.65  | 93   | 150161   | 47.793   | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.89  | 83   | 307045   | 49.287   | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.76  | 41   | 258368   | 50.585   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 99985    | 1046.998 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.63  | 43   | 1574273  | 251.208  | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 560606   | 48.973   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 342128   | 50.111   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 375738   | 49.817   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 225948   | 48.787   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 355768   | 51.107   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.36  | 76   | 378388   | 48.536   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.30  | 63   | 912863   | 250.745  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 1296820  | 263.271  | ug/l   | 100      |
| 60) Dibromochloromethane       | 9.57  | 129  | 251536   | 50.468   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 241115   | 48.251   | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.33  | 164  | 262996   | 45.287   | ug/l   | 97       |
| 65) Chlorobenzene              | 10.13 | 112  | 616063   | 48.901   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 231502   | 50.616   | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 1075338  | 50.189   | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 823884   | 99.818   | ug/l   | 100      |
| 69) o-Xylene                   | 10.69 | 106  | 397450   | 50.093   | ug/l   | 100      |
| 70) Styrene                    | 10.71 | 104  | 688181   | 51.270   | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 196745   | 51.536   | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.01 | 105  | 1069568  | 51.746   | ug/l   | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 456473   | 53.151   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 333926   | 49.422   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 397540   | 66.699   | ug/l   | 93       |
| 77) Bromobenzene               | 11.25 | 156  | 283659   | 49.169   | ug/l   | 98       |
| 78) n-propylbenzene            | 11.35 | 91   | 1235416  | 51.677   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 712830   | 50.720   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 900166   | 52.121   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 118428   | 50.861   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 833196   | 50.061   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 867990   | 53.073   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 912721   | 52.441   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 1048717  | 51.618   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 992407   | 52.198   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 502660   | 48.568   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 508852   | 48.146   | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 859161   | 50.457   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.59 | 117  | 177317   | 53.405   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 506519   | 49.906   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 74899    | 47.250   | ug/l   | 99       |

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Data File : VX014947.D  
Acq On : 18 Feb 2020 09:54  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 2 Sample Multiplier: 1

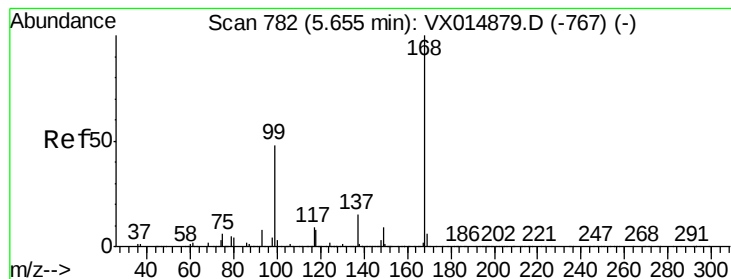
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Quant Time: Feb 19 00:13:31 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X021020W.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 10 12:09:20 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 360570   | 48.131 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 179760   | 49.610 | ug/l  | 96       |
| 95) Naphthalene            | 13.83 | 128  | 1045985  | 52.513 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 362180   | 50.040 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

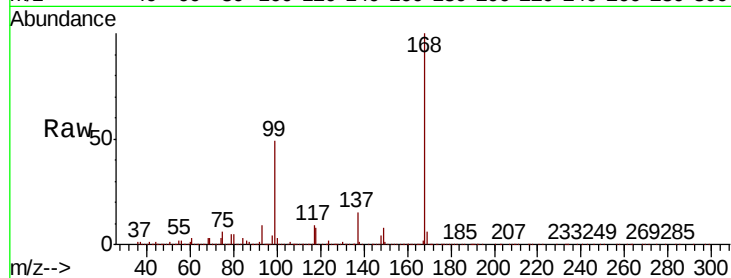
VSTDCCC050

Tot Ion:168 Resp: 463223

Ion Ratio Lower Upper

168 100

99 48.5 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

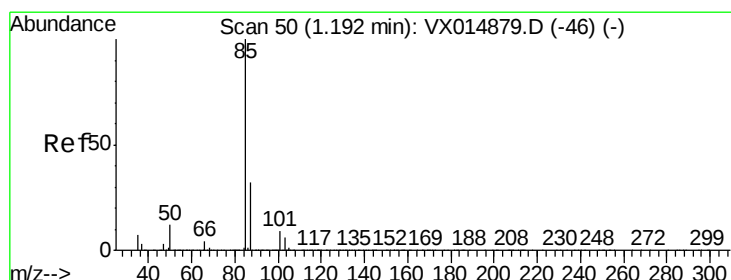
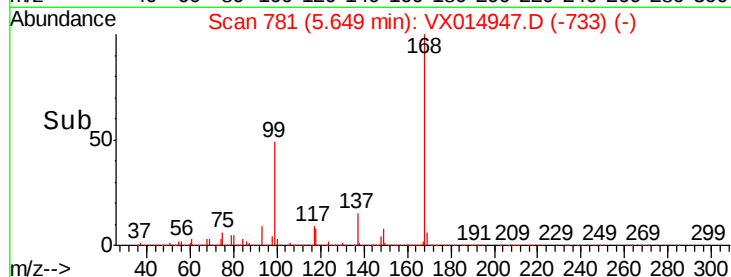
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.729 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014947.D

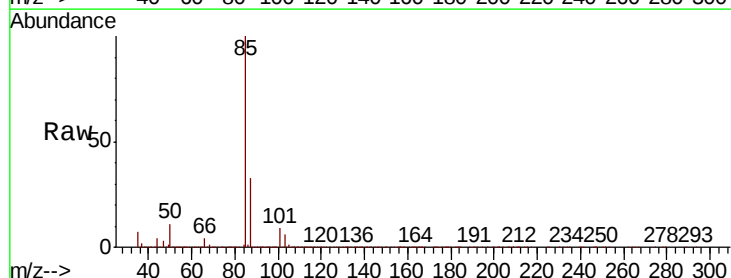
Acq: 18 Feb 2020 09:54

Tgt Ion: 85 Resp: 218150

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

250000

200000

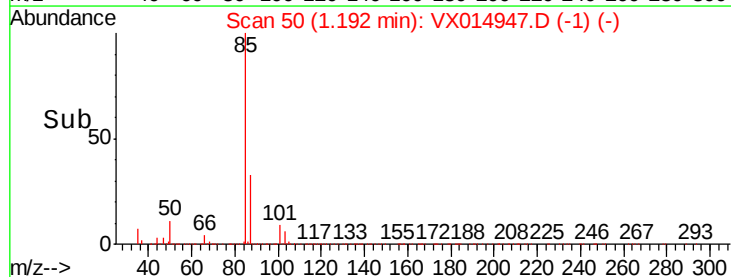
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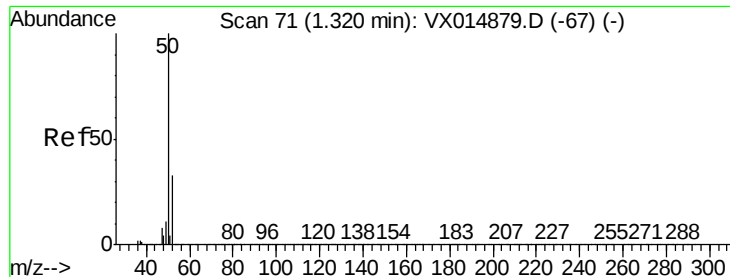
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Time-->

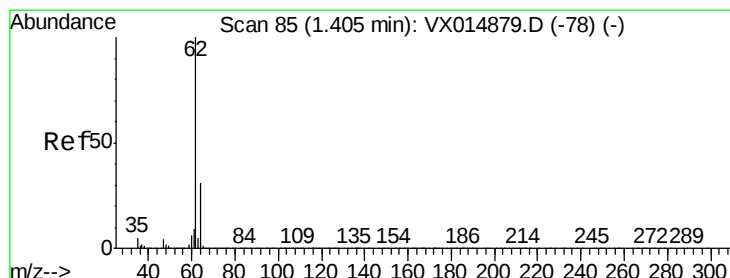
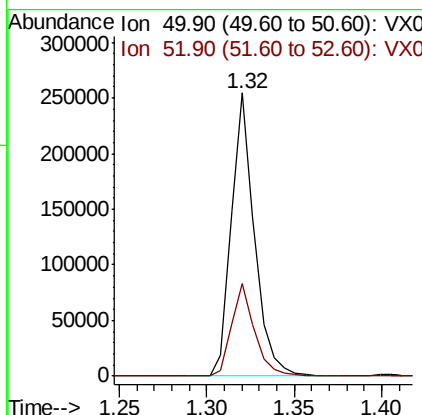
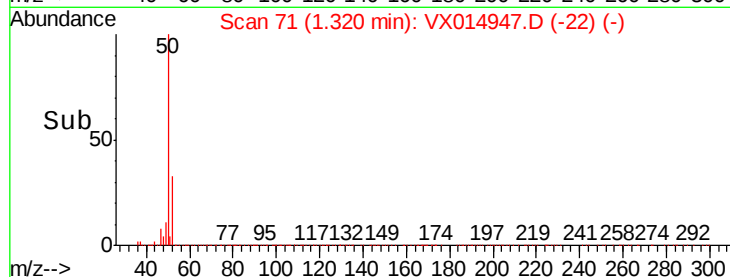
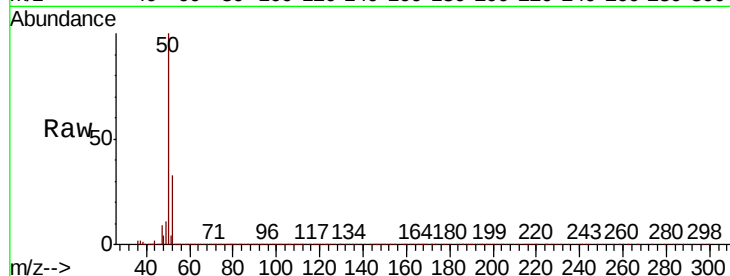




#3  
Chloromethane  
Concen: 47.135 ug/l  
RT: 1.32 min Scan# 71  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

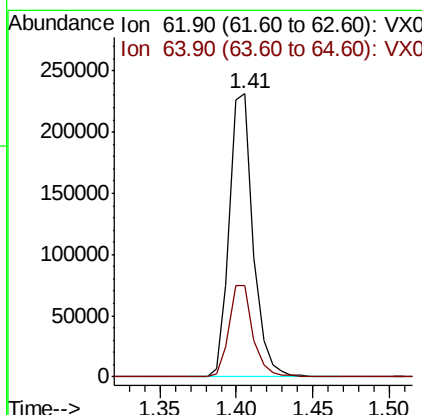
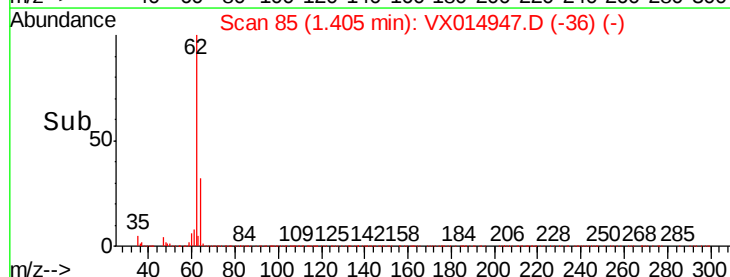
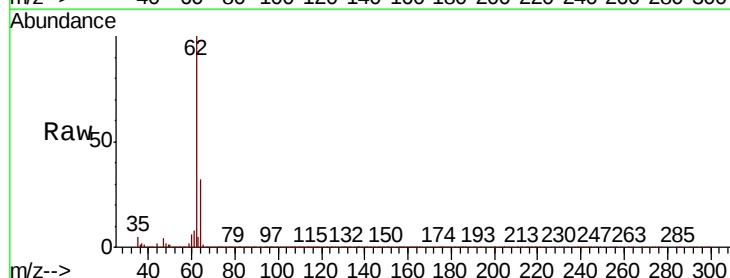
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

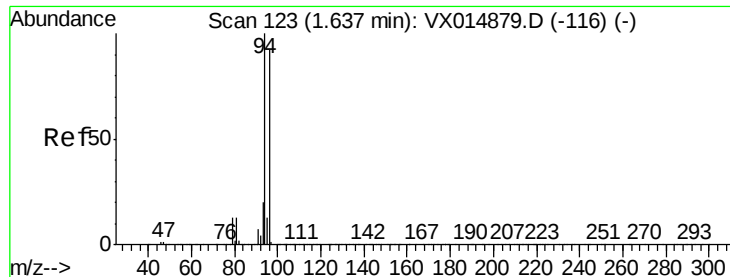
Tot Ion: 50 Resp: 234427  
Ion Ratio Lower Upper  
50 100  
52 32.9 26.2 39.2



#4  
Vinyl Chloride  
Concen: 46.810 ug/l  
RT: 1.41 min Scan# 85  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Tgt Ion: 62 Resp: 250793  
Ion Ratio Lower Upper  
62 100  
64 32.1 24.8 37.2





#5

Bromomethane

Concen: 46.307 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

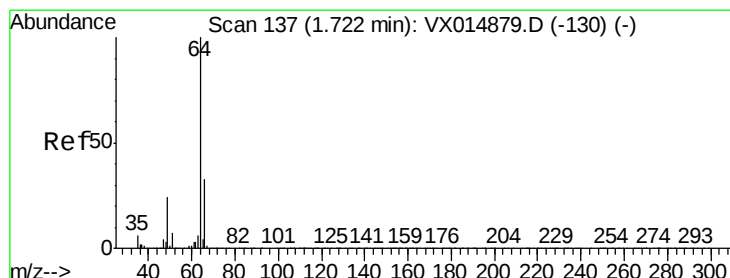
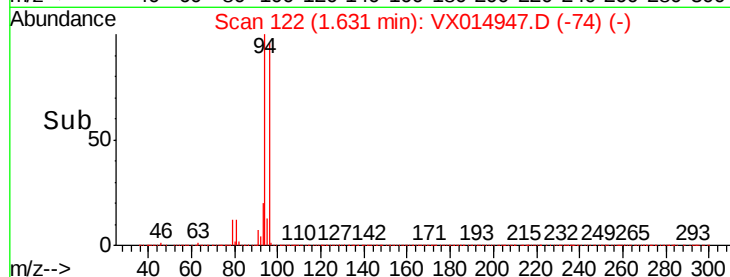
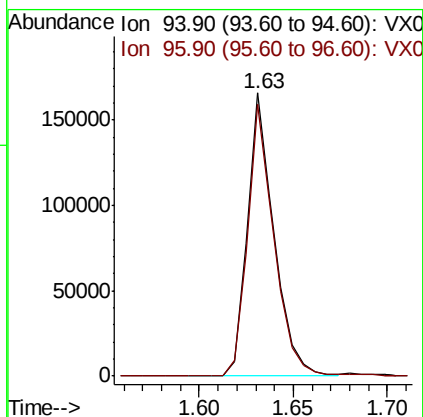
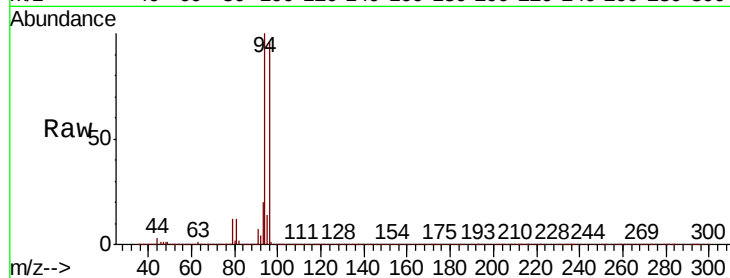
VSTDCCC050

Tot Ion: 94 Resp: 160592

Ion Ratio Lower Upper

94 100

96 96.0 73.7 110.5



#6

Chloroethane

Concen: 46.167 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX014947.D

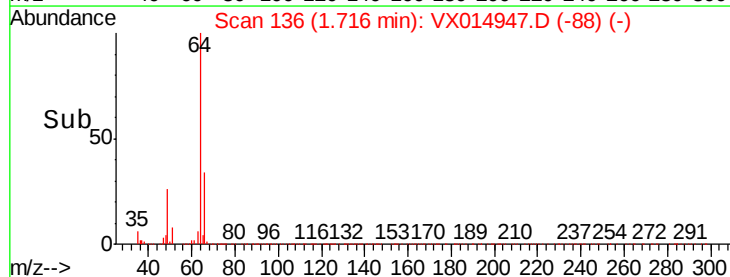
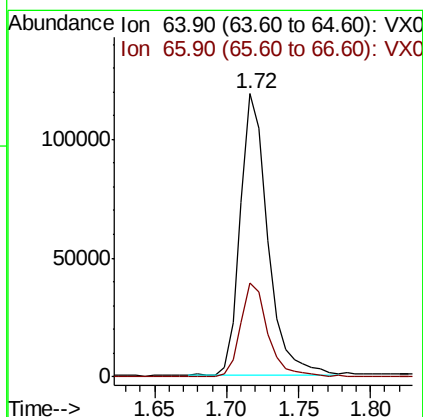
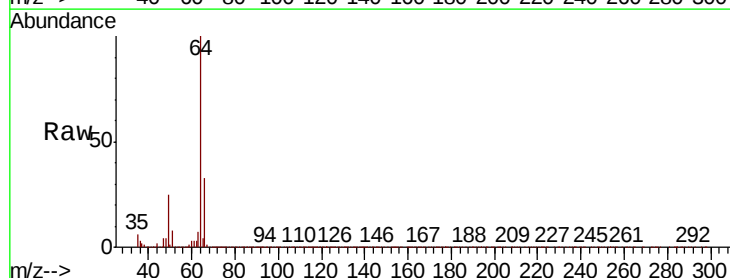
Acq: 18 Feb 2020 09:54

Tgt Ion: 64 Resp: 158268

Ion Ratio Lower Upper

64 100

66 33.0 26.2 39.4



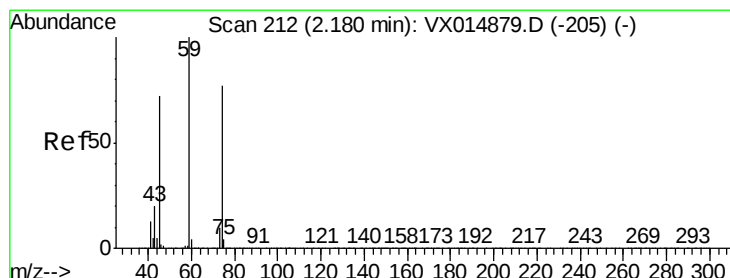
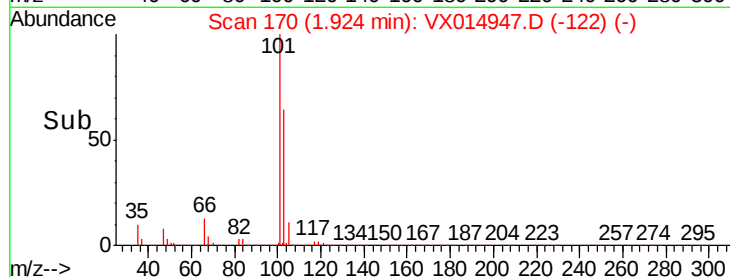
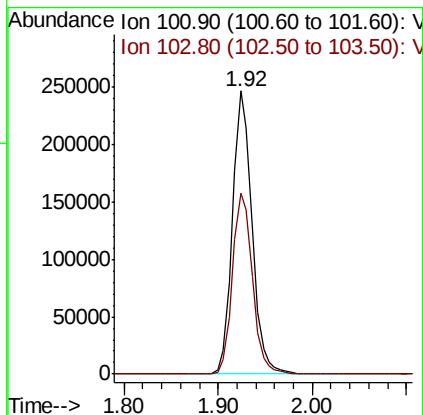
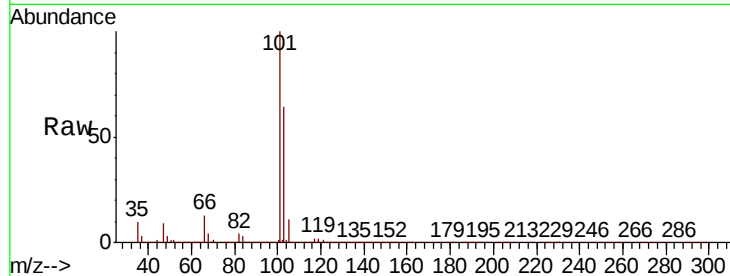


#7

Trichlorofluoromethane  
 Concen: 47.420 ug/l  
 RT: 1.92 min Scan# 170  
 Delta R.T. -0.01 min  
 Lab File: VX014947.D  
 Acq: 18 Feb 2020 09:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

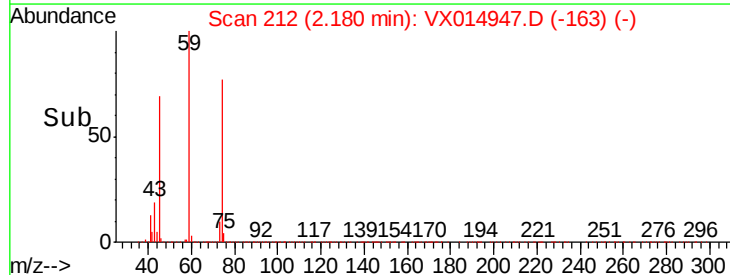
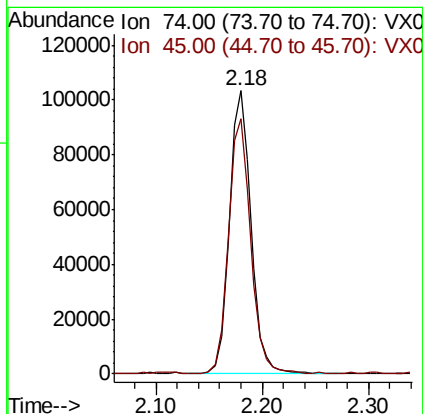
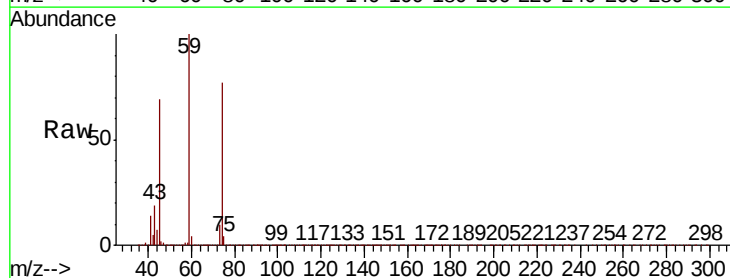
Tot Ion:101 Resp: 354966  
 Ion Ratio Lower Upper  
 101 100  
 103 63.9 52.2 78.4

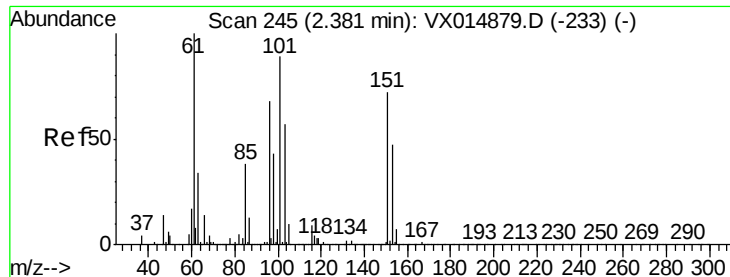


#8

Diethyl Ether  
 Concen: 47.334 ug/l  
 RT: 2.18 min Scan# 212  
 Delta R.T. 0.00 min  
 Lab File: VX014947.D  
 Acq: 18 Feb 2020 09:54

Tgt Ion: 74 Resp: 146933  
 Ion Ratio Lower Upper  
 74 100  
 45 91.8 46.6 139.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.827 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

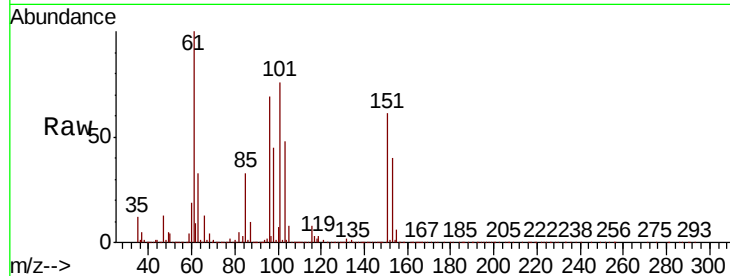
Tot Ion:101 Resp: 207813

Ion Ratio Lower Upper

101 100

85 42.9 34.1 51.1

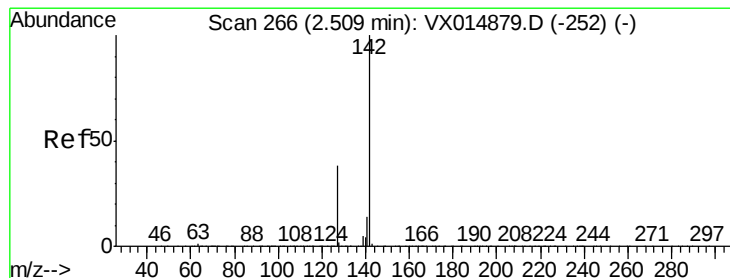
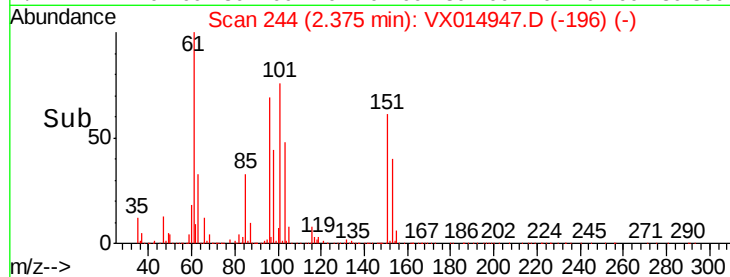
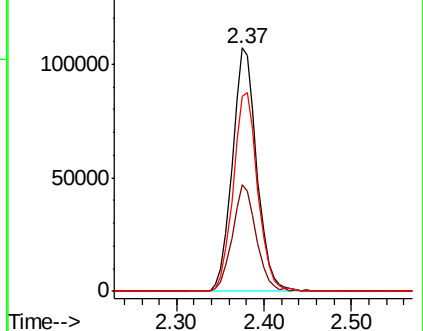
151 82.3 67.3 100.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.098 ug/l

RT: 2.50 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

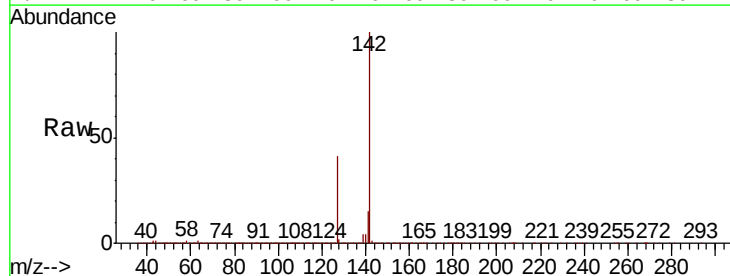
Tgt Ion:142 Resp: 242721

Ion Ratio Lower Upper

142 100

127 40.1 31.1 46.7

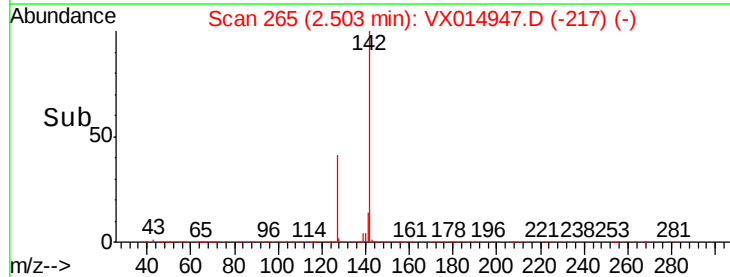
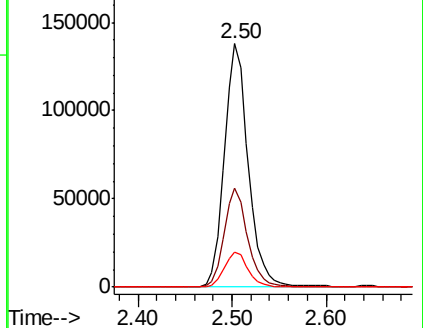
141 14.6 11.3 16.9

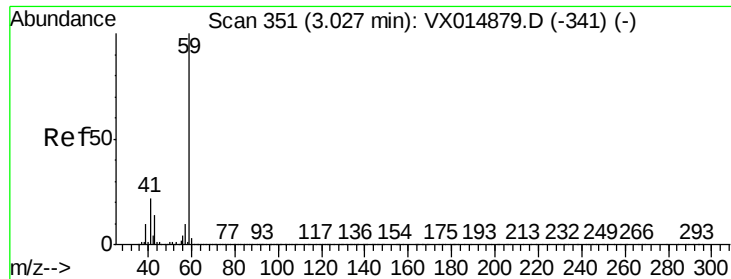


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

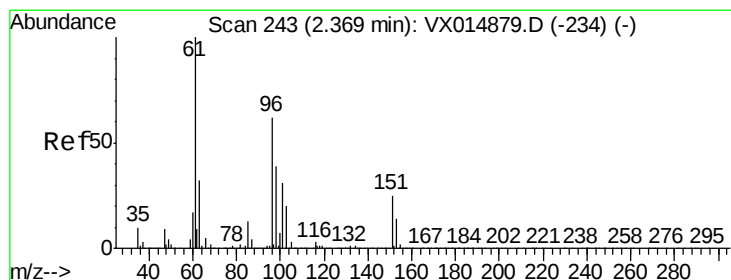
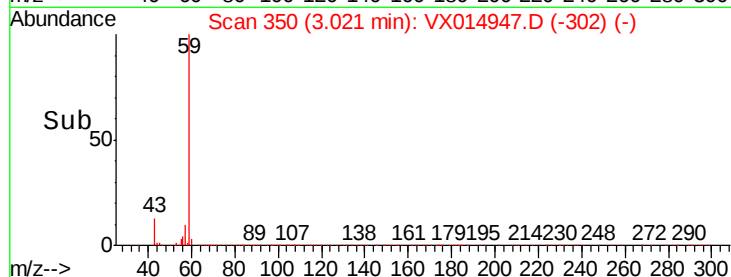
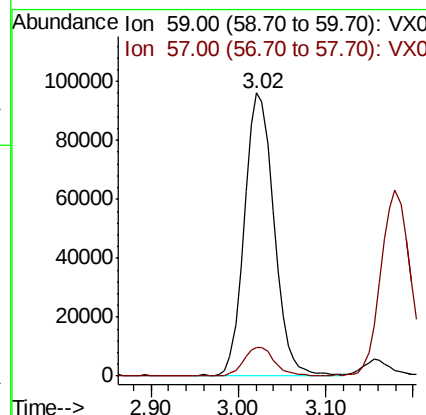
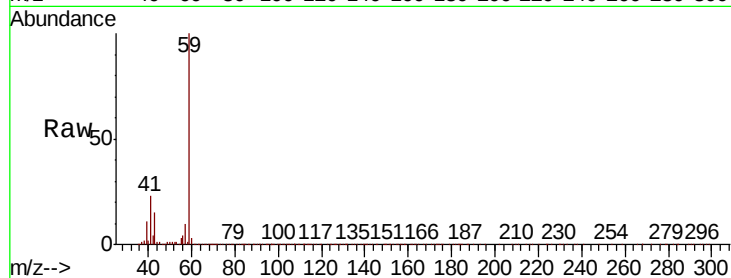




#11  
Tert butyl alcohol  
Concen: 244.260 ug/l  
RT: 3.02 min Scan# 350  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

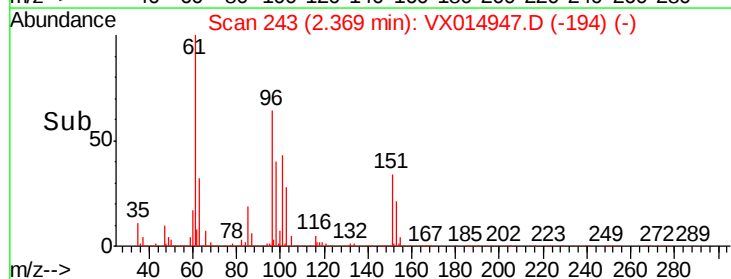
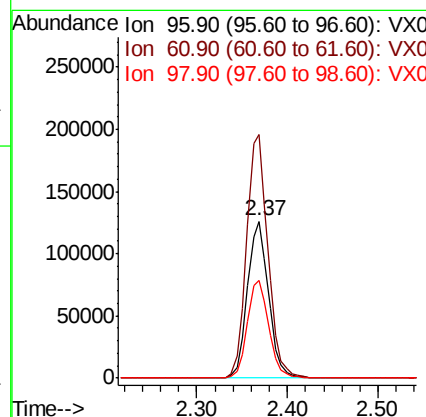
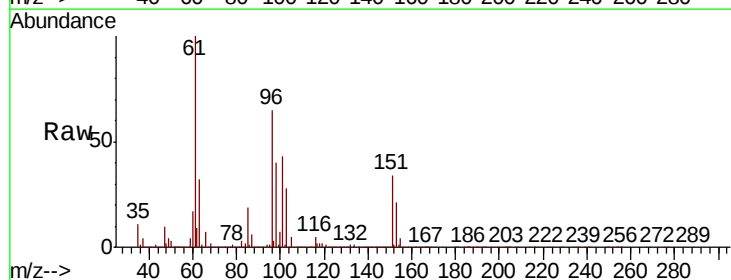
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

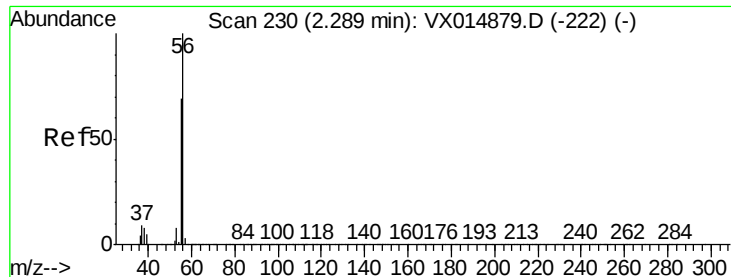
Tot Ion: 59 Resp: 225463  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 47.893 ug/l  
RT: 2.37 min Scan# 243  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Tgt Ion: 96 Resp: 203349  
Ion Ratio Lower Upper  
96 100  
61 154.9 129.5 194.3  
98 62.1 50.6 76.0

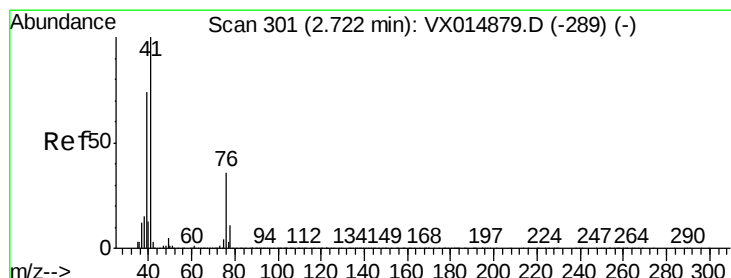
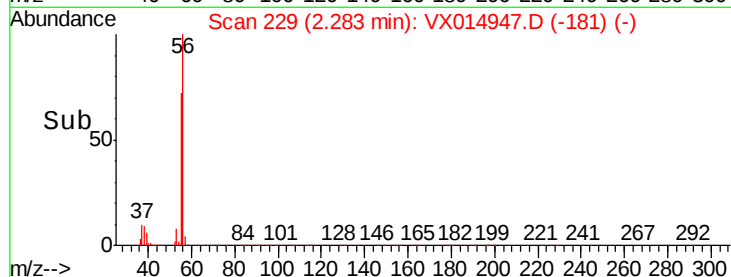
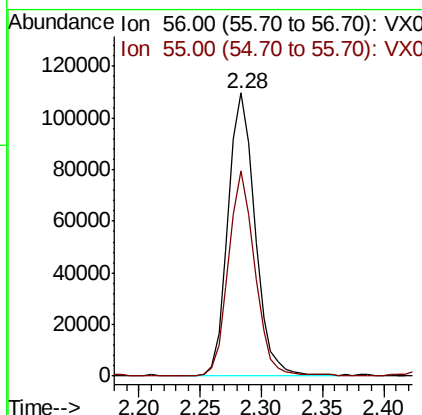
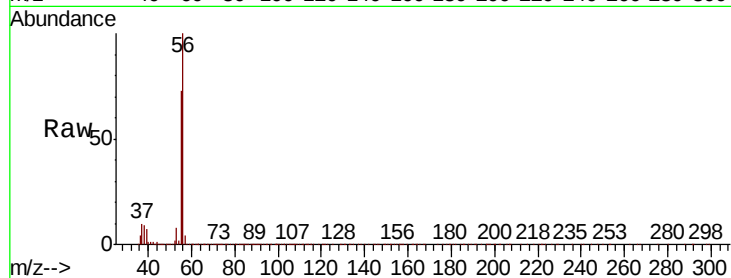




#13  
Acrolein  
Concen: 236.950 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

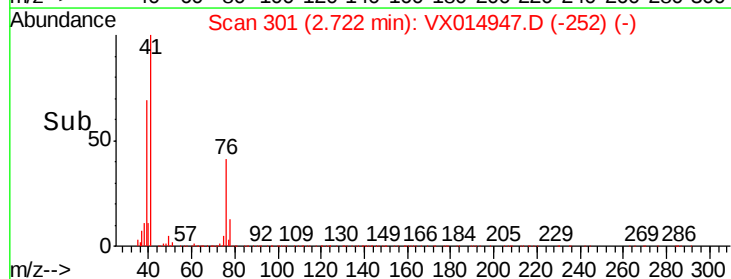
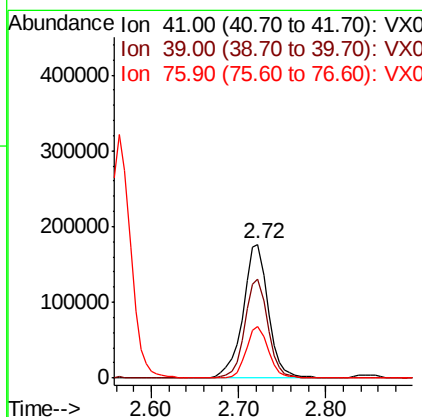
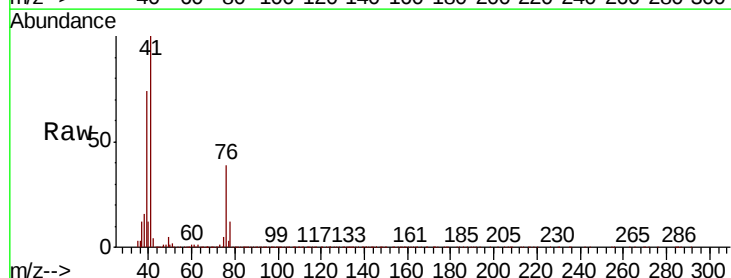
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

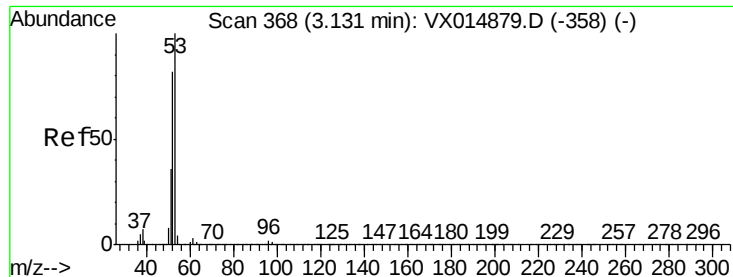
Tot Ion: 56 Resp: 166697  
Ion Ratio Lower Upper  
56 100  
55 70.8 55.0 82.4



#14  
Allyl chloride  
Concen: 46.671 ug/l  
RT: 2.72 min Scan# 301  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Tgt Ion: 41 Resp: 351329  
Ion Ratio Lower Upper  
41 100  
39 67.8 55.2 82.8  
76 34.2 26.8 40.2





#15

Acrylonitrile

Concen: 238.449 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

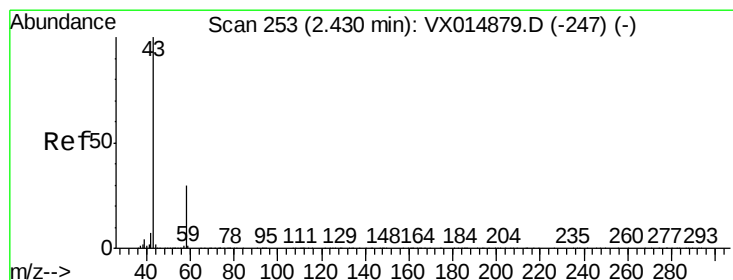
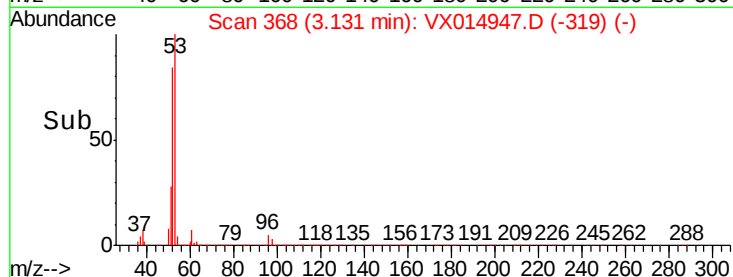
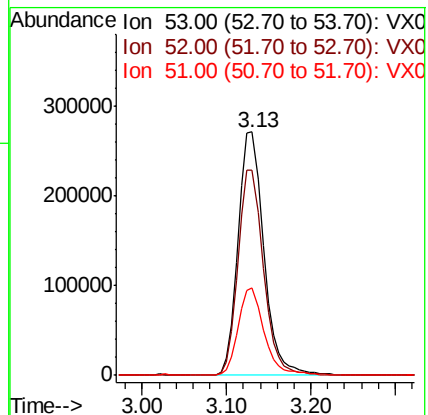
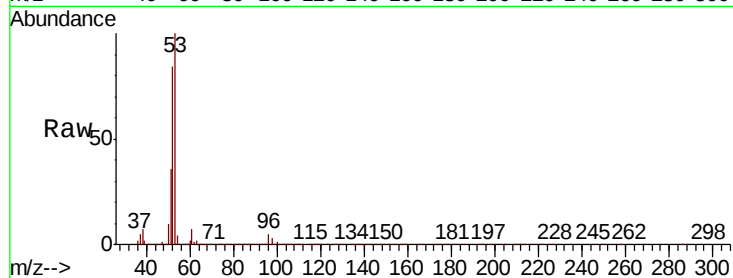
Tot Ion: 53 Resp: 557969

Ion Ratio Lower Upper

53 100

52 83.4 65.8 98.6

51 35.8 29.1 43.7



#16

Acetone

Concen: 279.975 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014947.D

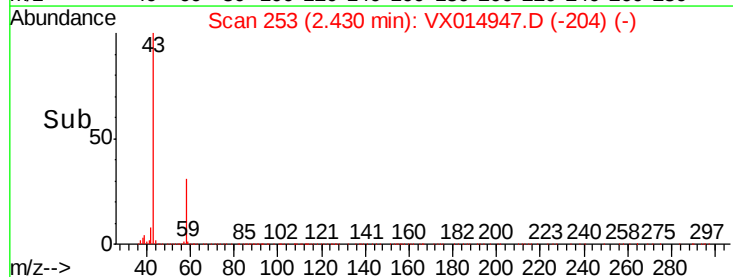
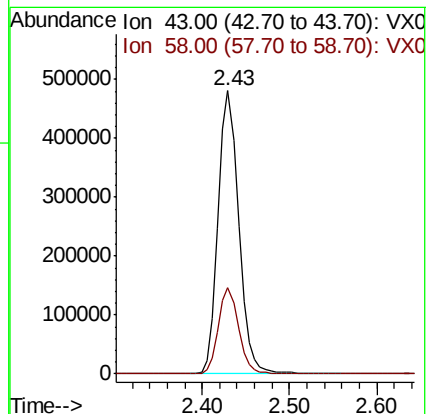
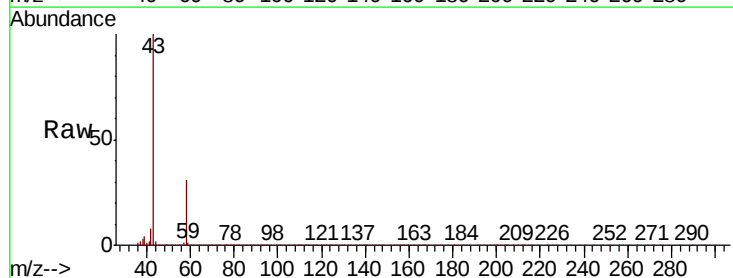
Acq: 18 Feb 2020 09:54

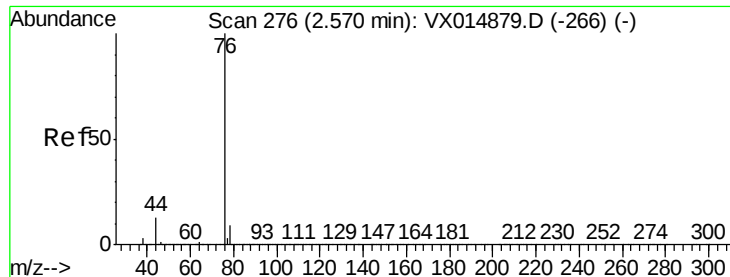
Tgt Ion: 43 Resp: 782559

Ion Ratio Lower Upper

43 100

58 30.6 24.1 36.1





#17

Carbon Disulfide

Concen: 44.420 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

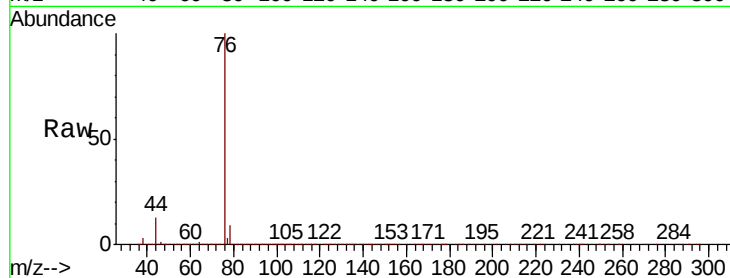
VSTDCCC050

Tot Ion: 76 Resp: 526957

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

300000

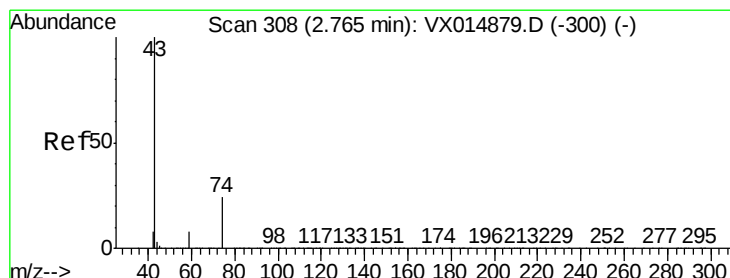
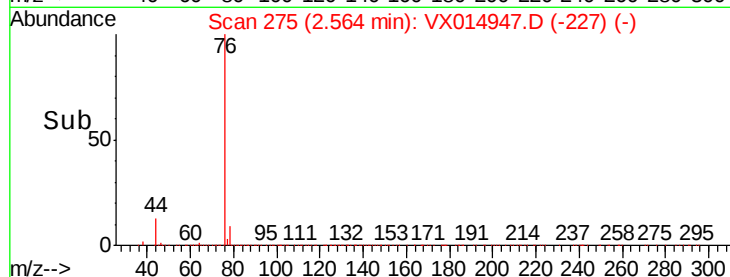
200000

100000

0

Time-->

2.40 2.50 2.60 2.70



#18

Methyl Acetate

Concen: 48.827 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014947.D

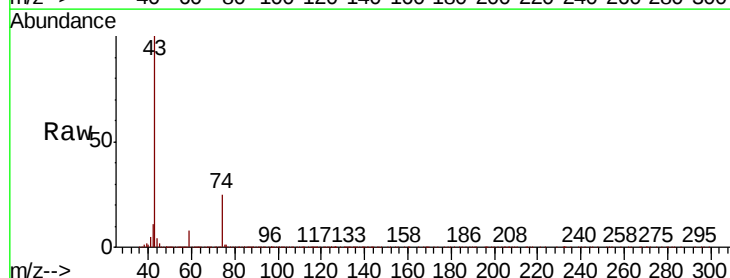
Acq: 18 Feb 2020 09:54

Tgt Ion: 43 Resp: 257081

Ion Ratio Lower Upper

43 100

74 24.3 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

150000

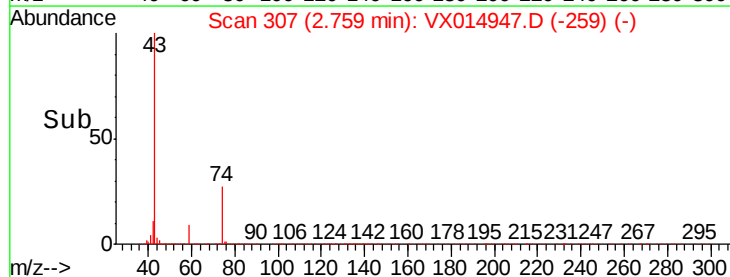
100000

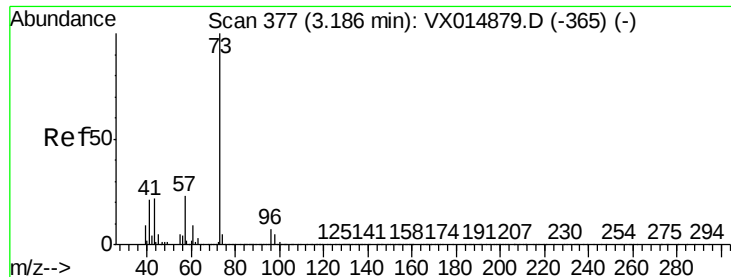
50000

0

Time-->

2.70 2.80



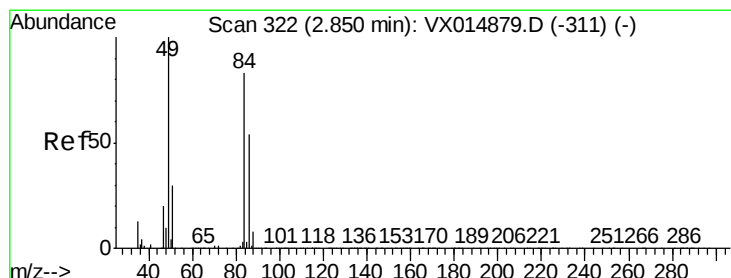
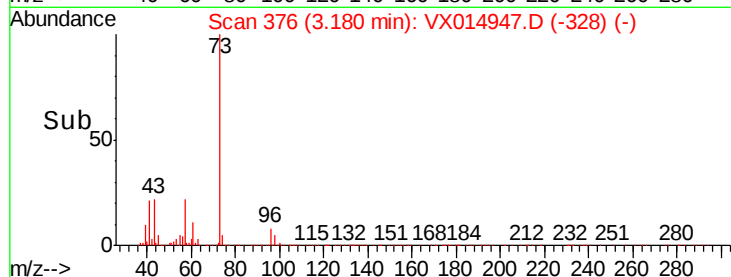
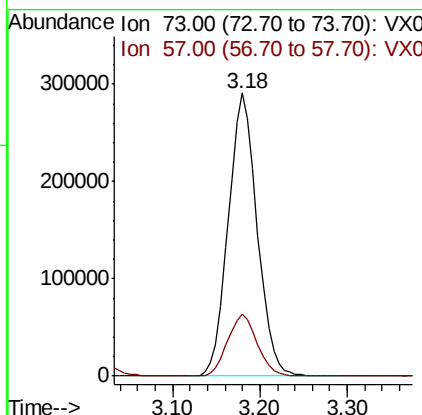
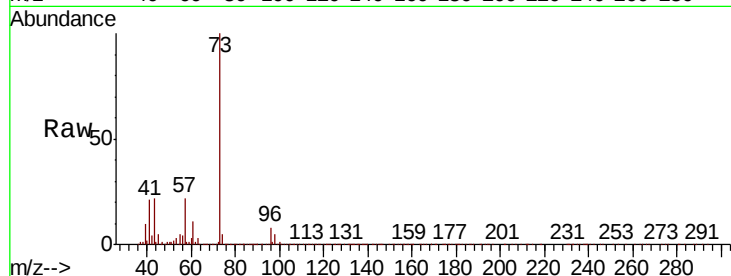


#19

Methyl tert-butyl Ether  
 Concen: 48.275 ug/l  
 RT: 3.18 min Scan# 376  
 Delta R.T. -0.01 min  
 Lab File: VX014947.D  
 Acq: 18 Feb 2020 09:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

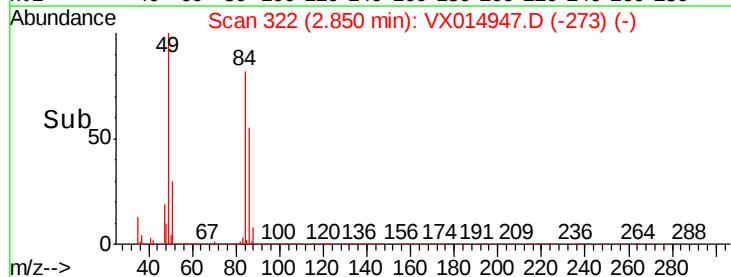
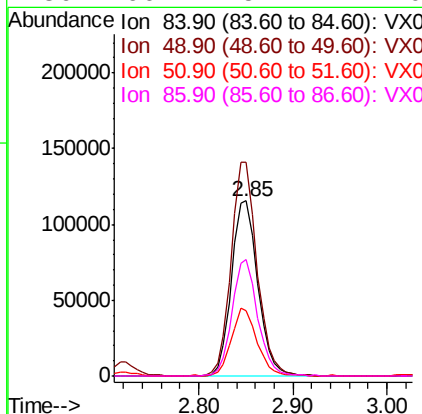
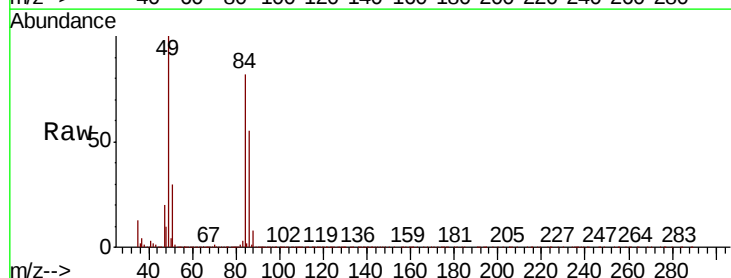
Tot Ion: 73 Resp: 667072  
 Ion Ratio Lower Upper  
 73 100  
 57 21.6 18.2 27.4

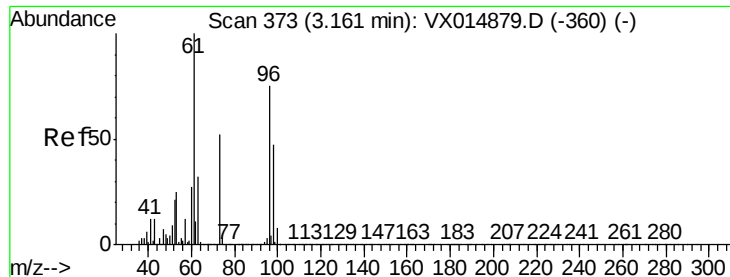


#20

Methylene Chloride  
 Concen: 44.857 ug/l  
 RT: 2.85 min Scan# 322  
 Delta R.T. 0.00 min  
 Lab File: VX014947.D  
 Acq: 18 Feb 2020 09:54

Tgt Ion: 84 Resp: 225588  
 Ion Ratio Lower Upper  
 84 100  
 49 122.0 95.6 143.4  
 51 36.9 29.0 43.6  
 86 66.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 45.212 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

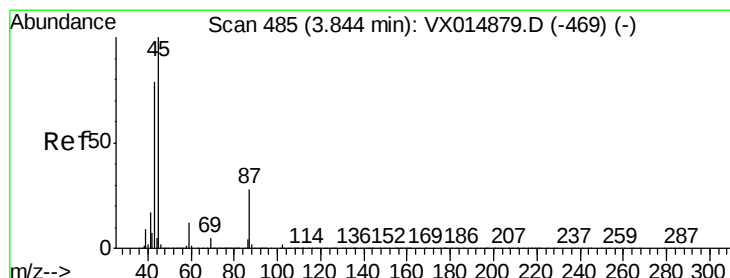
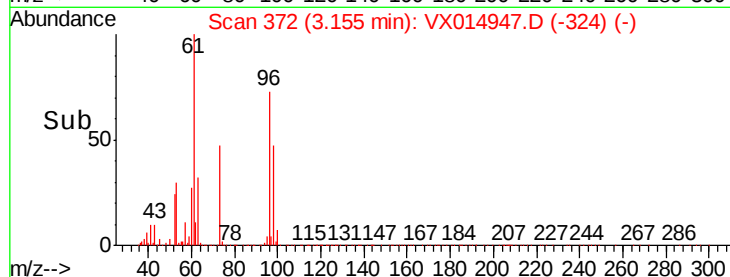
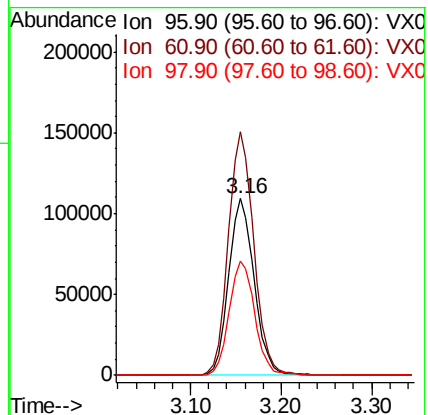
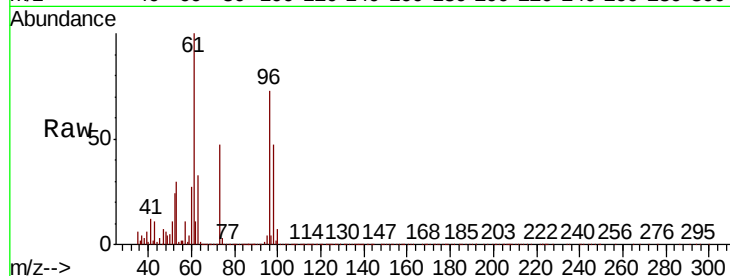
Tot Ion: 96 Resp: 211817

Ion Ratio Lower Upper

96 100

61 137.7 106.9 160.3

98 64.7 50.7 76.1



#22

Diisopropyl ether

Concen: 48.996 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tgt Ion: 45 Resp: 704435

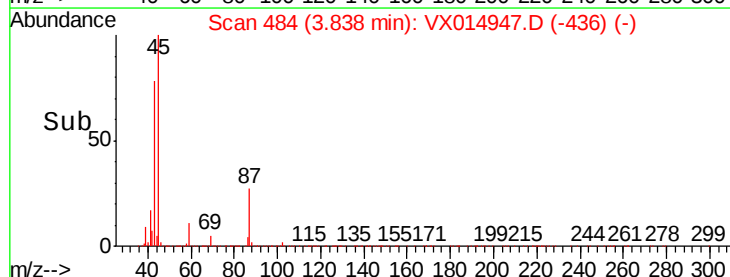
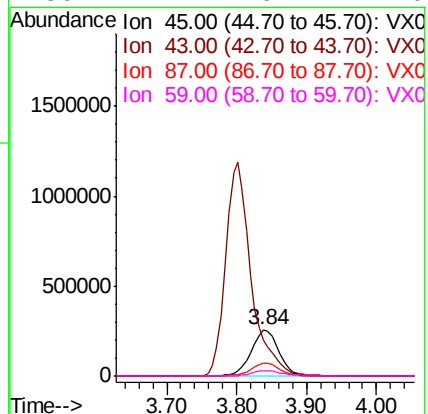
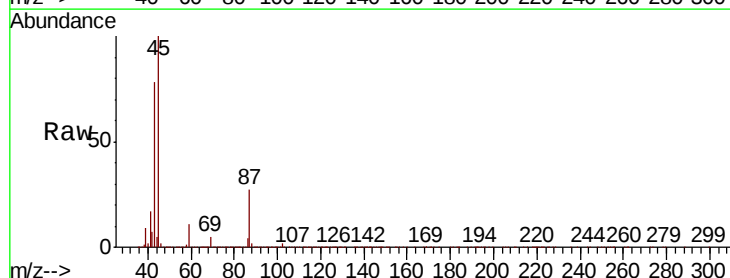
Ion Ratio Lower Upper

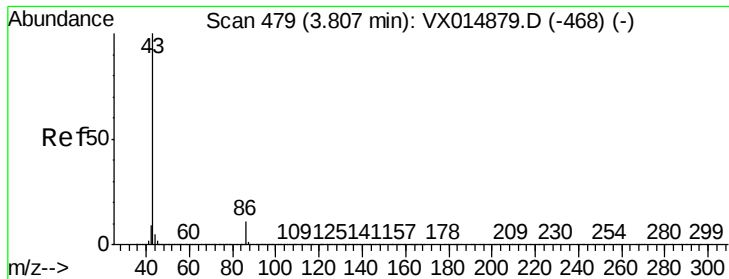
45 100

43 78.4 63.5 95.3

87 26.8 22.2 33.4

59 11.2 9.4 14.0





#23

Vinyl Acetate

Concen: 254.738 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

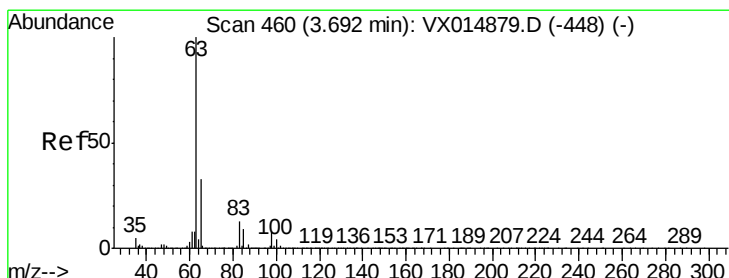
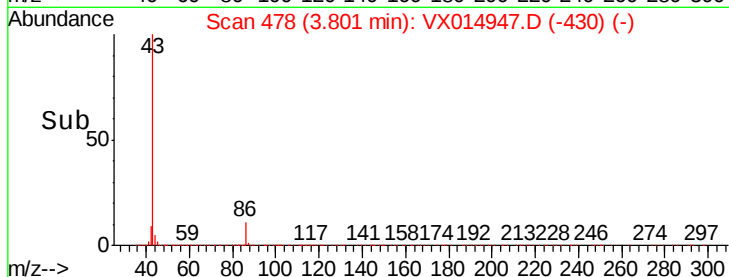
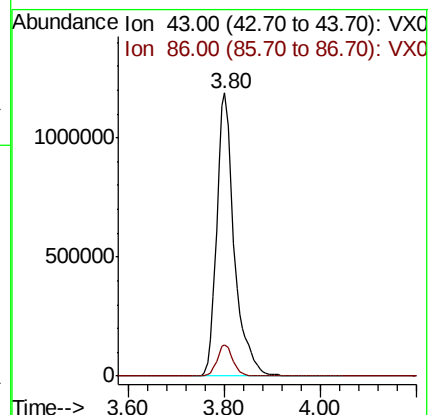
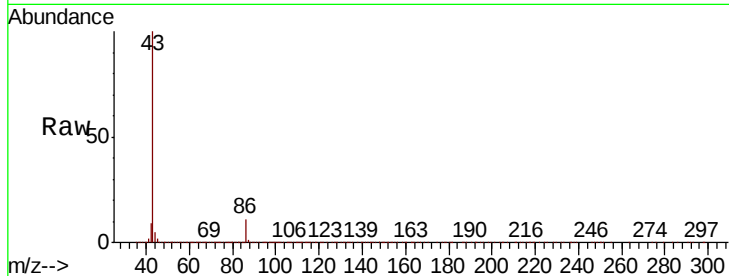
VSTDCCC050

Tot Ion: 43 Resp: 3019184

Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3



#24

1,1-Dichloroethane

Concen: 47.879 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

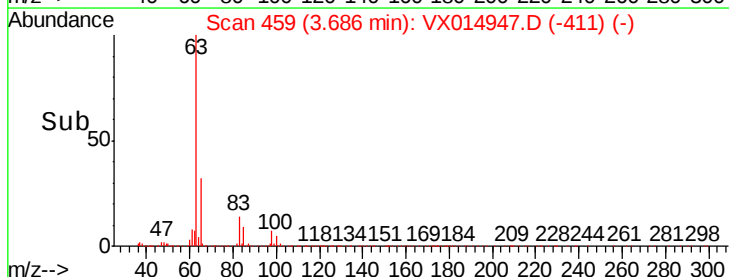
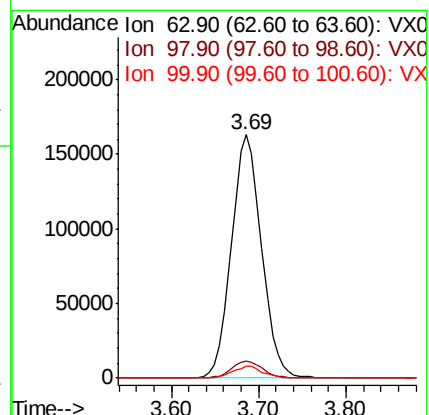
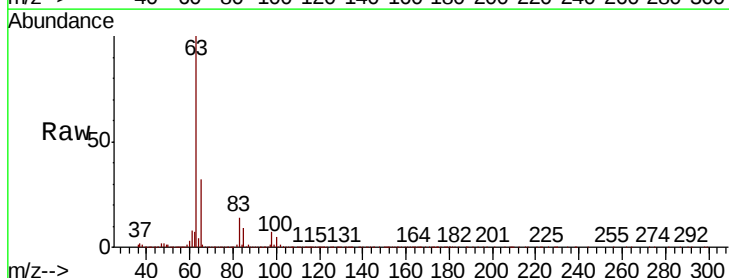
Tgt Ion: 63 Resp: 388512

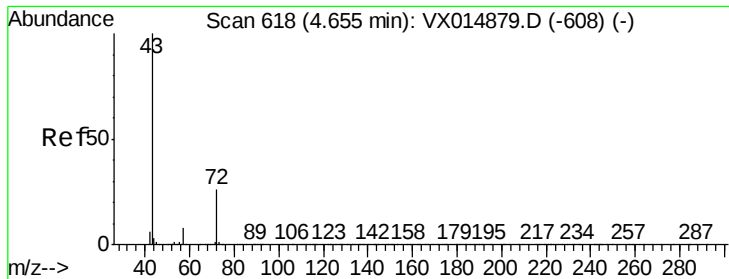
Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 259.095 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

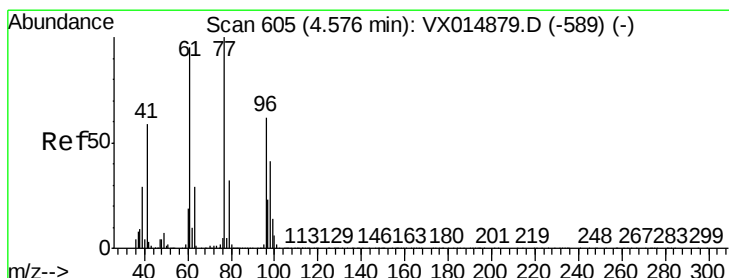
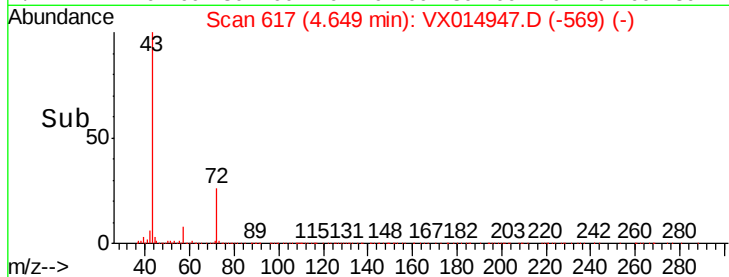
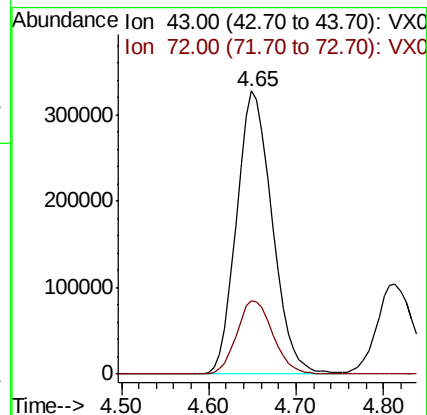
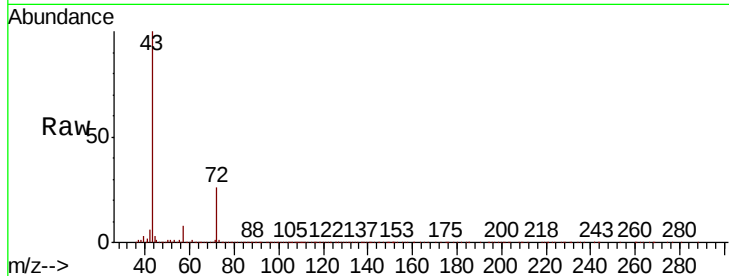
VSTDCCC050

Tot Ion: 43 Resp: 922147

Ion Ratio Lower Upper

43 100

72 25.8 21.0 31.6



#26

2,2-Dichloropropane

Concen: 47.818 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014947.D

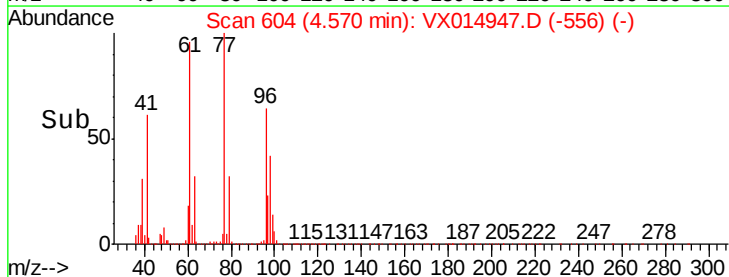
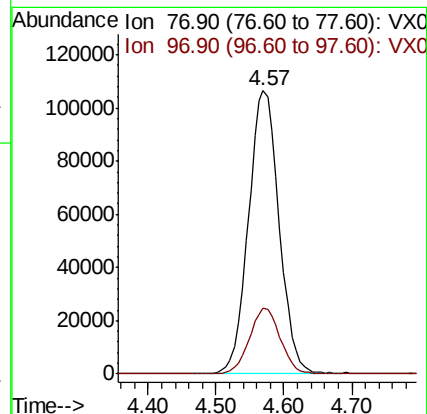
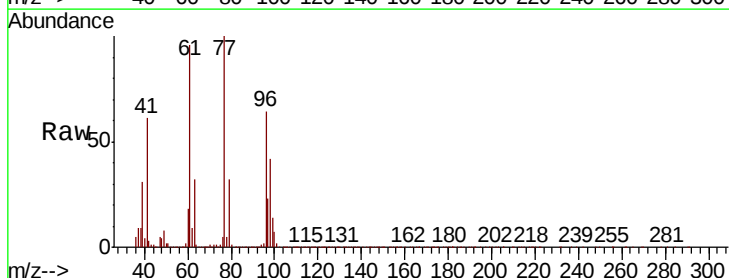
Acq: 18 Feb 2020 09:54

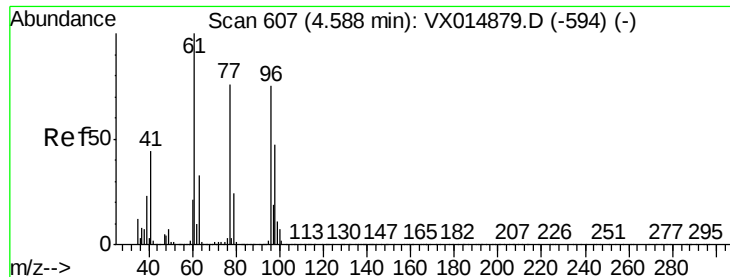
Tgt Ion: 77 Resp: 334387

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.5



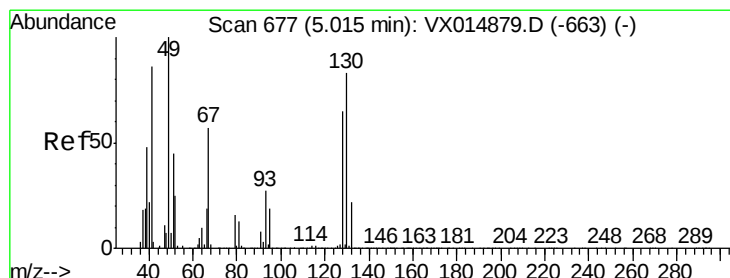
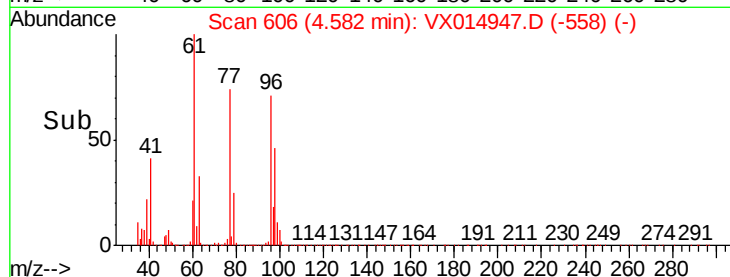
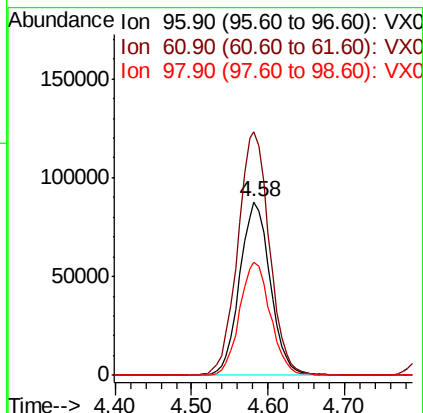
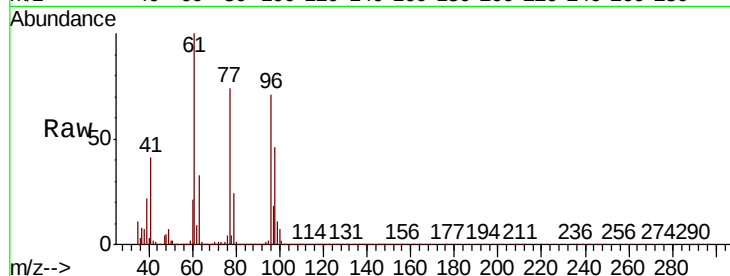


#27

cis-1,2-Dichloroethene  
Concen: 46.649 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

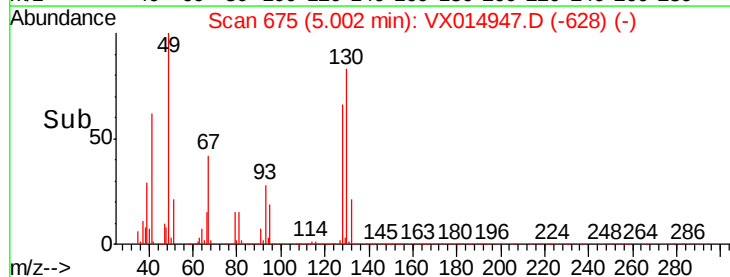
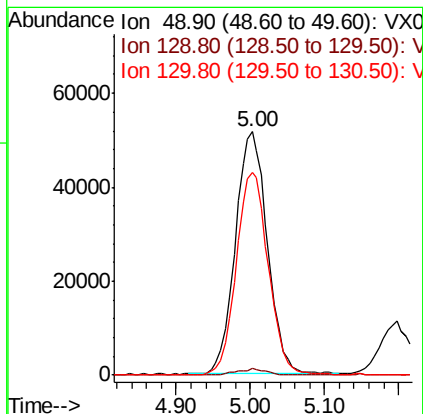
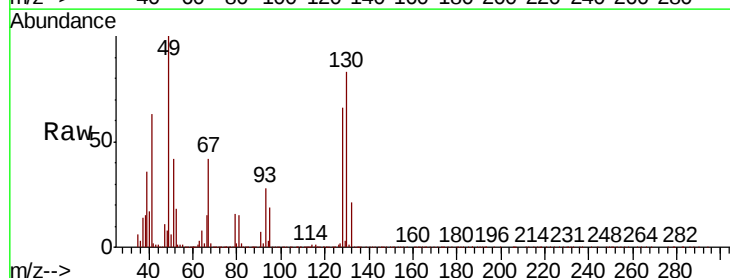
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 144.1 | 0.0   | 286.2 |
| 98      | 65.9  | 0.0   | 131.0 |

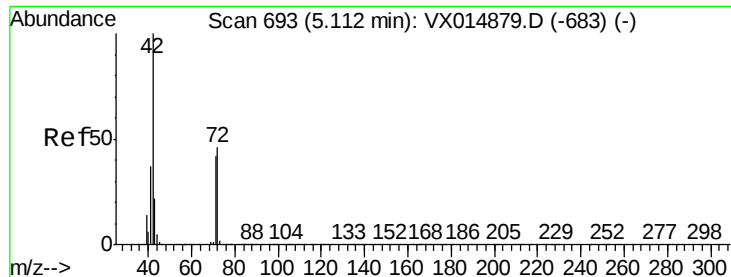


#28

Bromochloromethane  
Concen: 49.187 ug/l  
RT: 5.00 min Scan# 675  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.7   | 0.0   | 5.2   |
| 130     | 83.9  | 67.4  | 101.2 |





#29

Tetrahydrofuran

Concen: 245.083 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

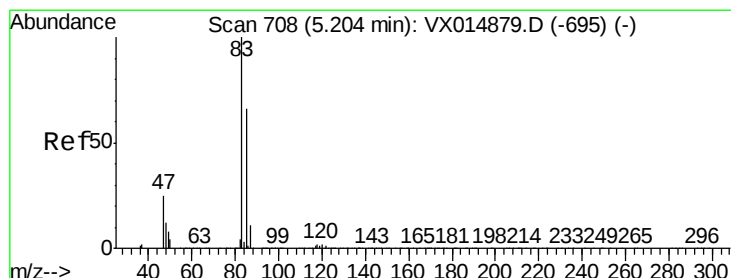
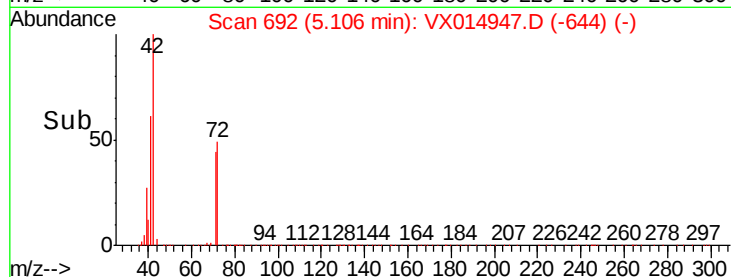
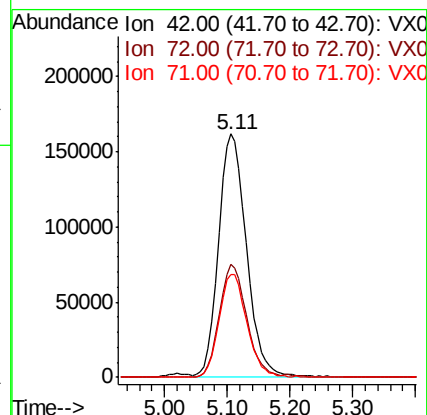
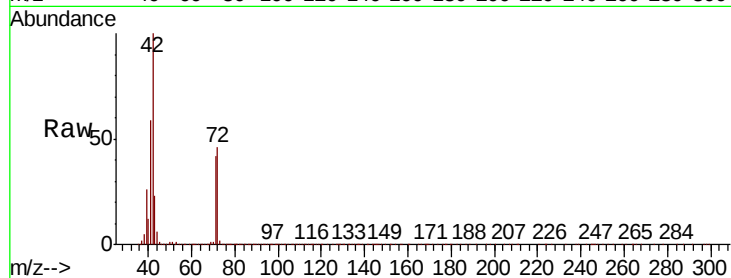
Tot Ion: 42 Resp: 495859

Ion Ratio Lower Upper

42 100

72 45.9 36.9 55.3

71 42.9 34.1 51.1



#30

Chloroform

Concen: 47.913 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX014947.D

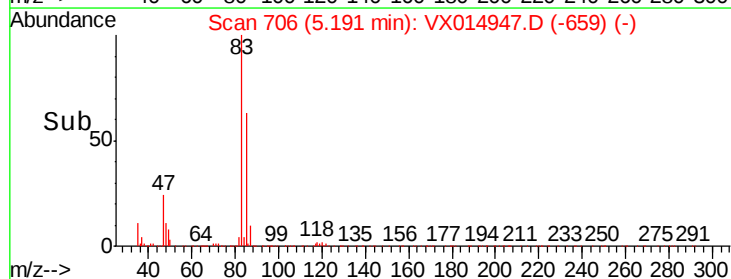
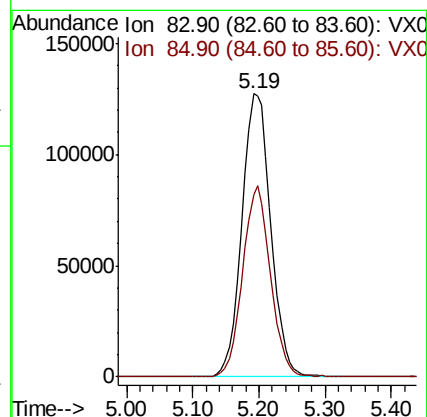
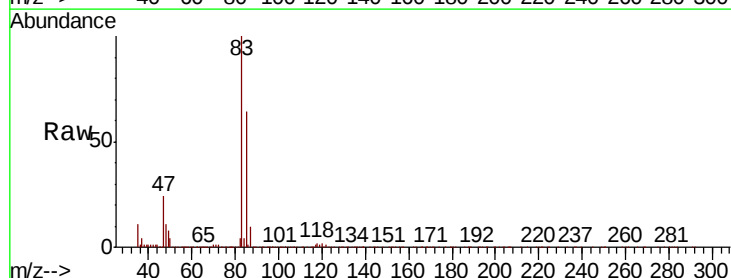
Acq: 18 Feb 2020 09:54

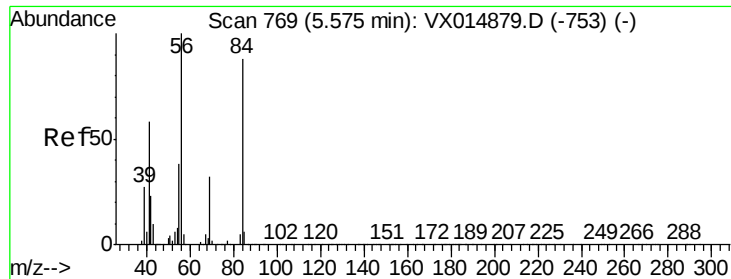
Tgt Ion: 83 Resp: 385737

Ion Ratio Lower Upper

83 100

85 64.4 52.9 79.3

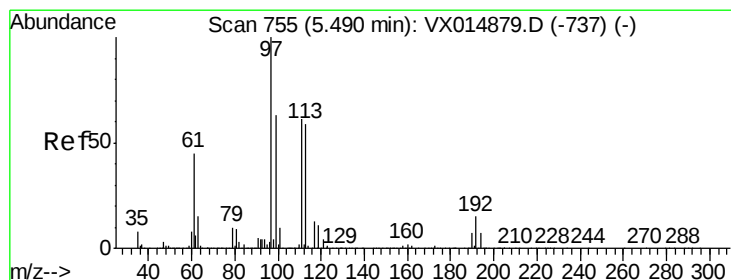
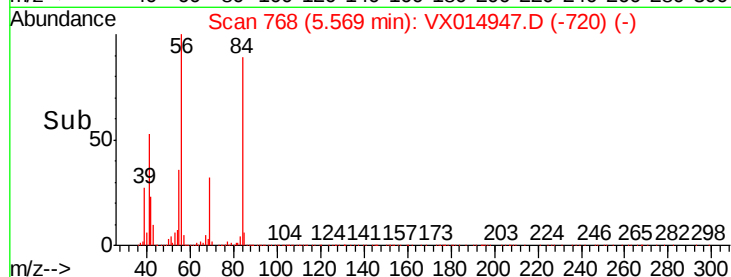
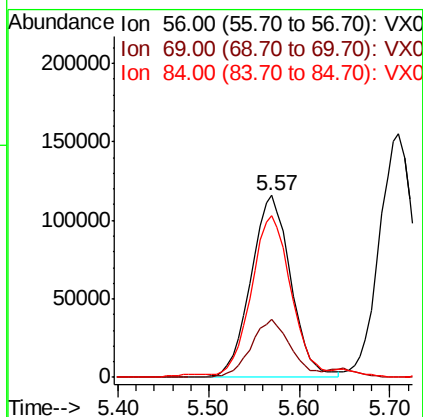
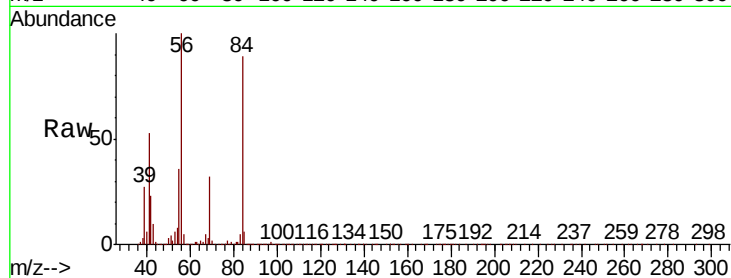




#31  
Cyclohexane  
Concen: 47.585 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

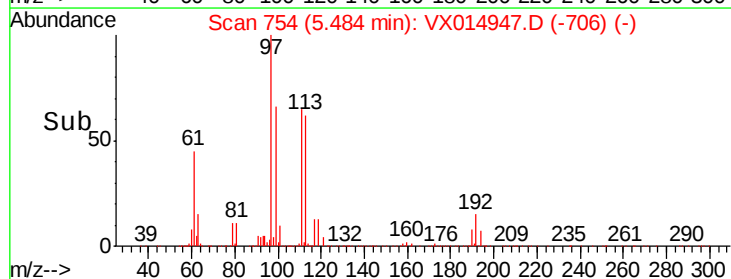
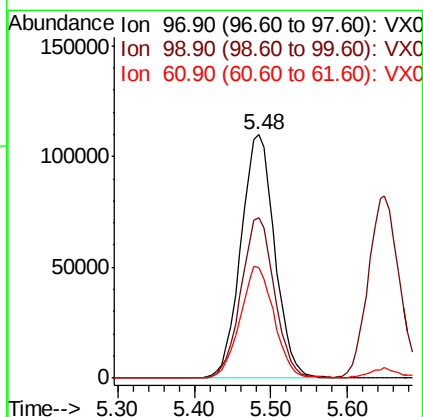
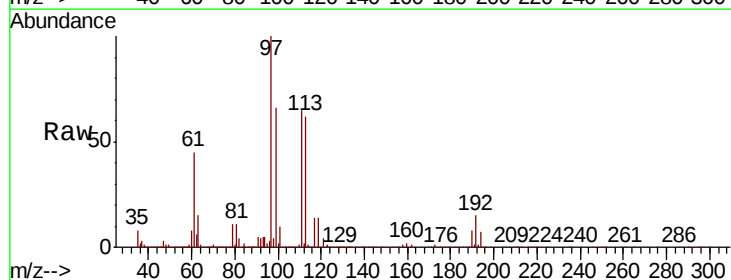
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

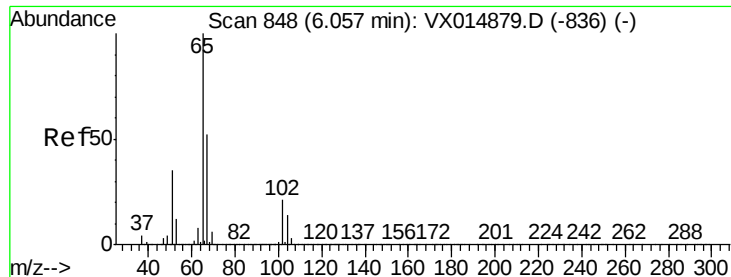
Tot Ion: 56 Resp: 351681  
Ion Ratio Lower Upper  
56 100  
69 31.9 25.9 38.9  
84 87.6 70.4 105.6



#32  
1,1,1-Trichloroethane  
Concen: 47.632 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Tgt Ion: 97 Resp: 335441  
Ion Ratio Lower Upper  
97 100  
99 65.6 51.0 76.6  
61 45.7 36.3 54.5





#33

1,2-Dichloroethane-d4

Concen: 45.875 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

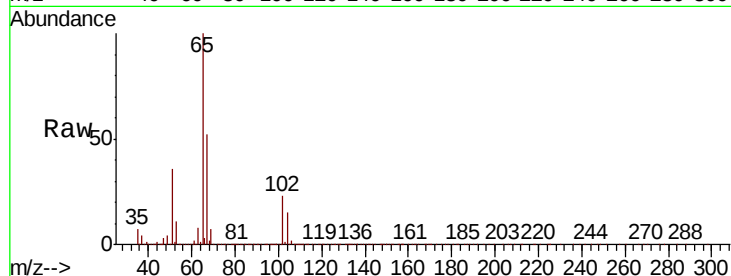
VSTDCCC050

Tot Ion: 65 Resp: 239827

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

100000

80000

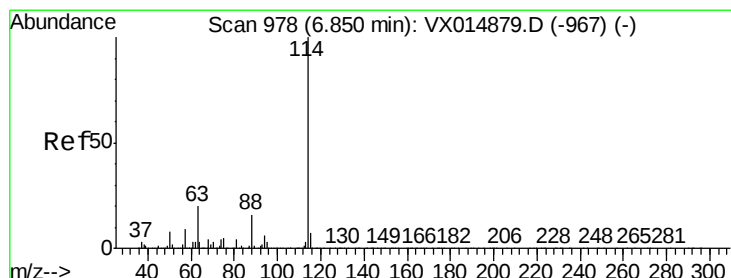
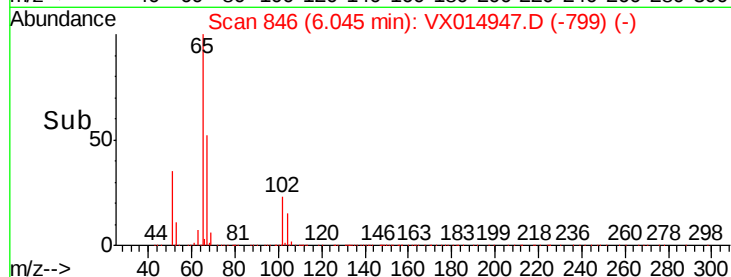
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

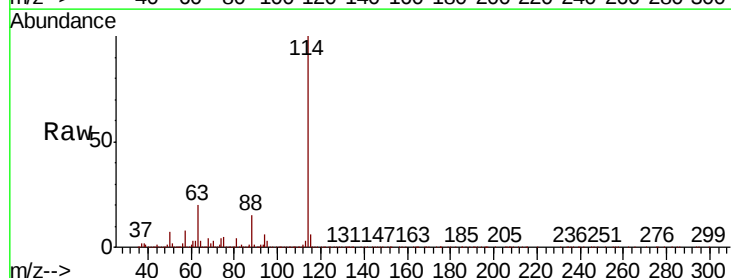
Tgt Ion: 114 Resp: 674339

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

88 14.9 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

400000

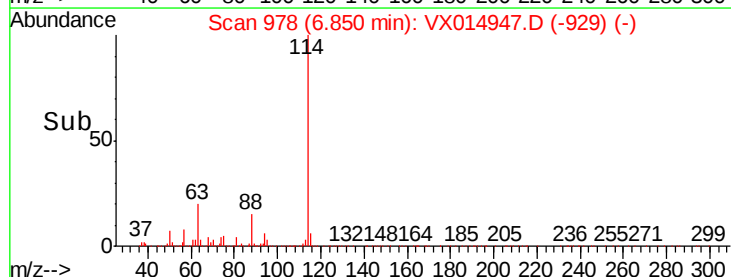
300000

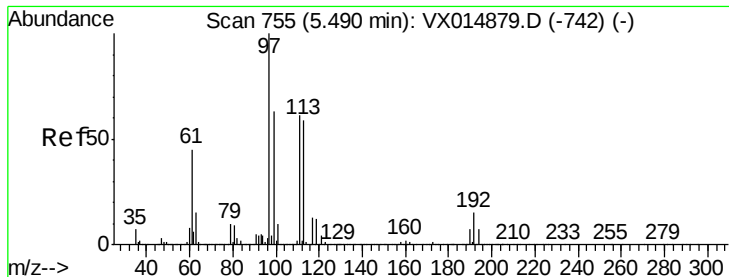
200000

100000

0

Time-->

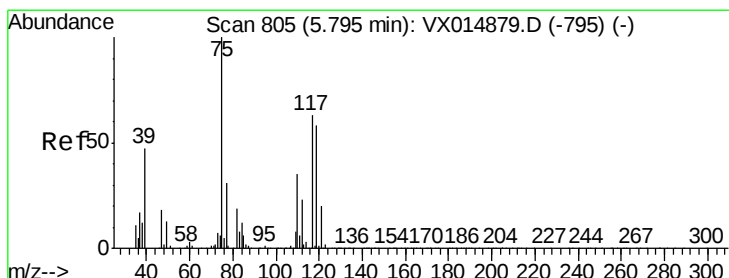
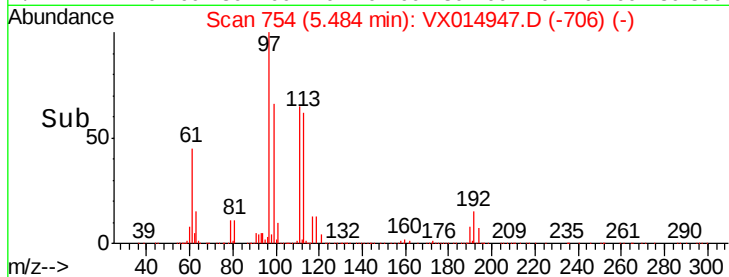
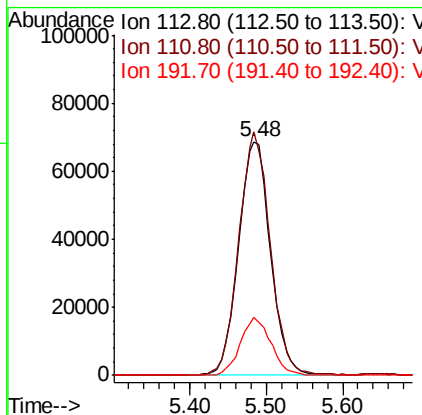
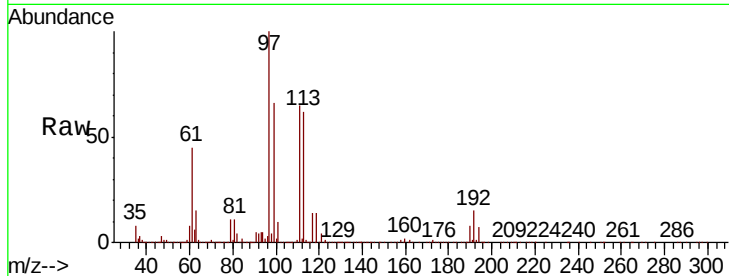




#35  
 Dibromofluoromethane  
 Concen: 48.108 ug/l  
 RT: 5.48 min Scan# 754  
 Delta R.T. -0.01 min  
 Lab File: VX014947.D  
 Acq: 18 Feb 2020 09:54

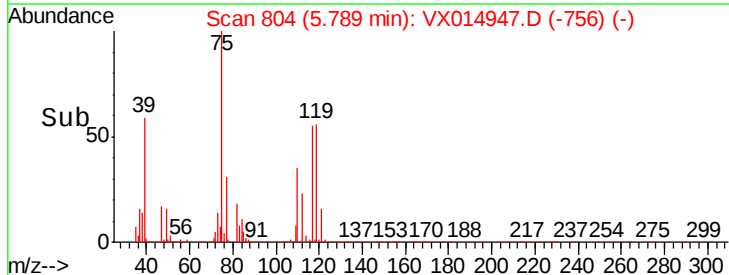
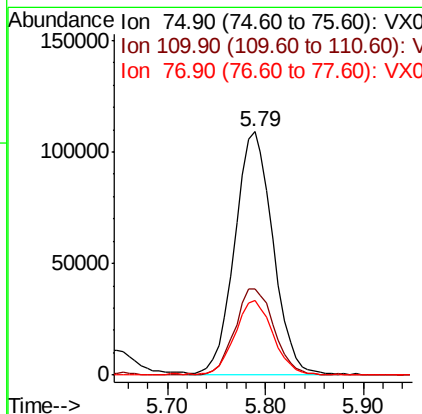
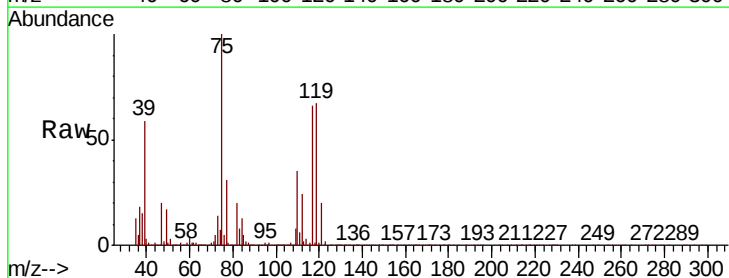
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

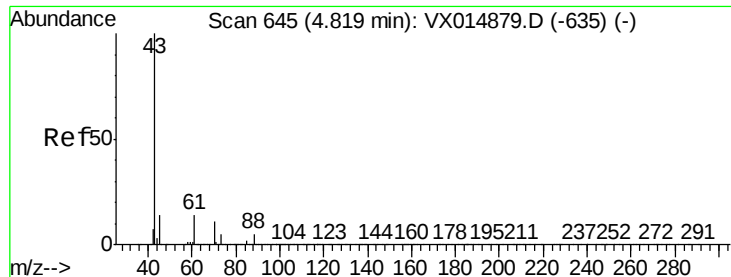
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 82.4  | 123.6 |
| 192     | 23.8  | 19.1  | 28.7  |



#36  
 1,1-Dichloropropene  
 Concen: 48.661 ug/l  
 RT: 5.79 min Scan# 804  
 Delta R.T. -0.01 min  
 Lab File: VX014947.D  
 Acq: 18 Feb 2020 09:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.4  | 18.3  | 54.8  |
| 77      | 30.6  | 24.6  | 36.8  |

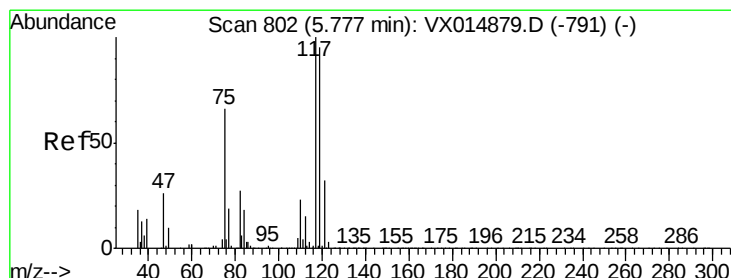
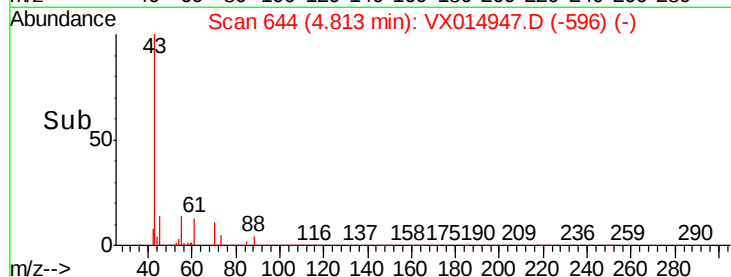
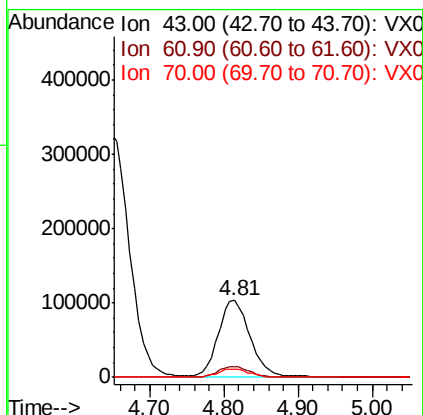
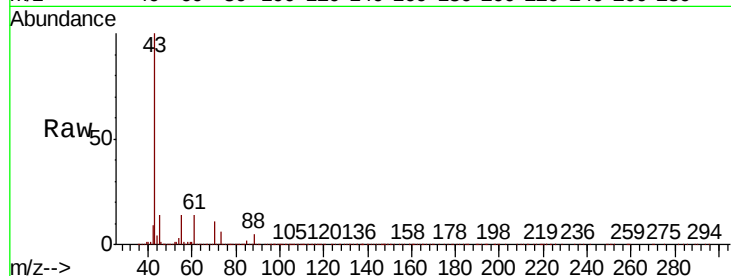




#37  
Ethyl Acetate  
Concen: 48.744 ug/l  
RT: 4.81 min Scan# 644  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

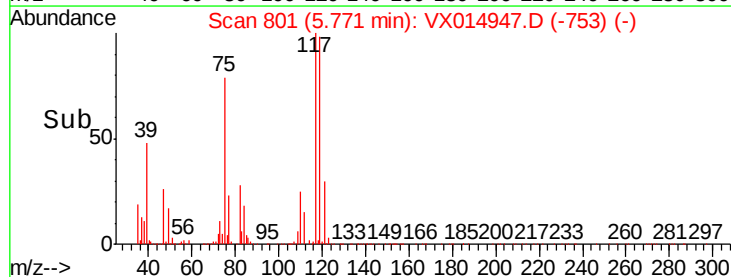
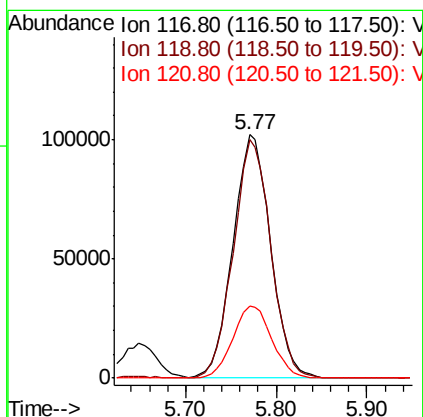
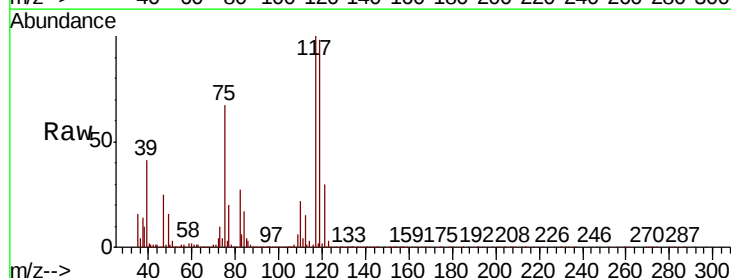
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

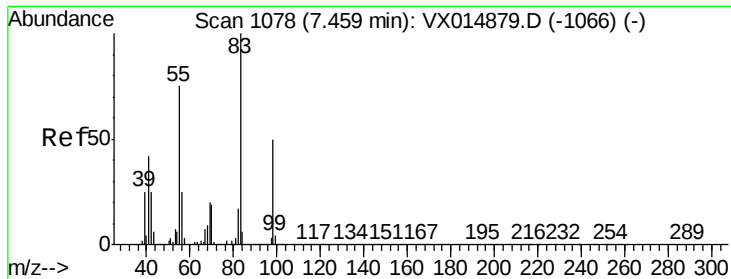
Tot Ion: 43 Resp: 306674  
Ion Ratio Lower Upper  
43 100  
61 13.4 10.9 16.3  
70 10.8 8.7 13.1



#38  
Carbon Tetrachloride  
Concen: 49.850 ug/l  
RT: 5.77 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Tgt Ion: 117 Resp: 293043  
Ion Ratio Lower Upper  
117 100  
119 97.8 76.0 114.0  
121 29.7 25.4 38.2

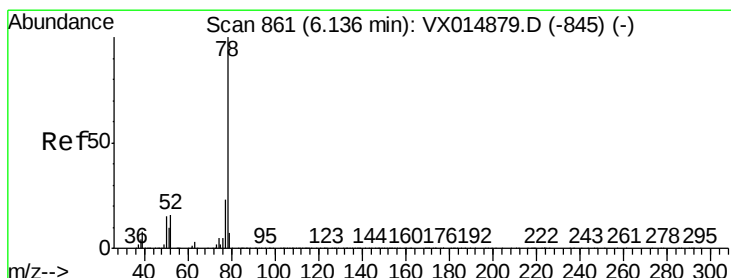
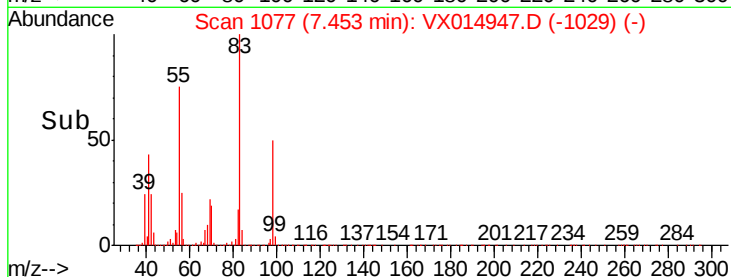
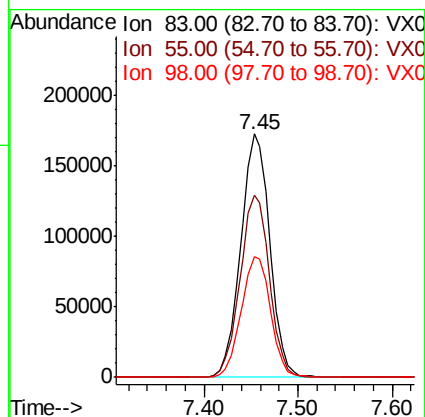
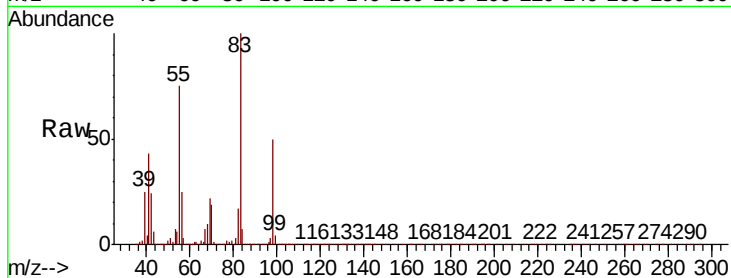




#39  
Methvlcvclohexane  
Concen: 49.063 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

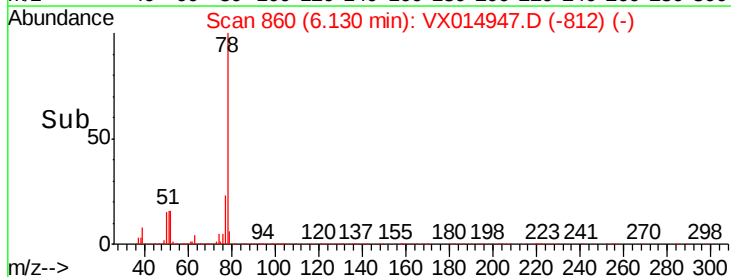
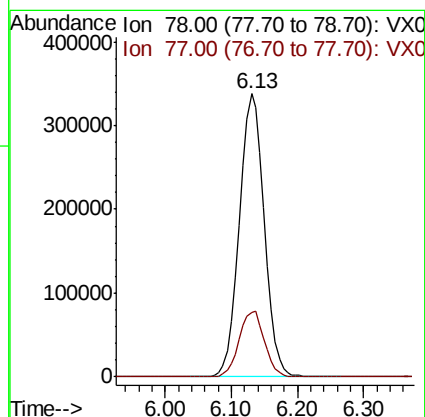
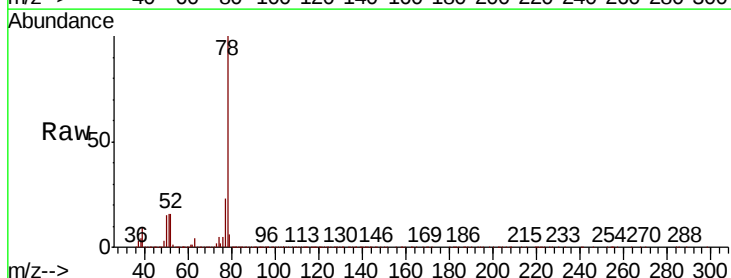
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

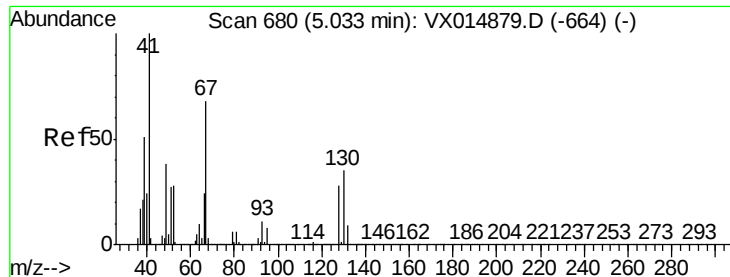
| Tot Ion   | 83    | Resp  | 370133 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 74.7  | 60.0  | 90.0   |
| 98        | 49.9  | 39.6  | 59.4   |



#40  
Benzene  
Concen: 48.932 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

| Tgt Ion   | 78    | Resp  | 881897 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 22.8  | 18.8  | 28.2   |

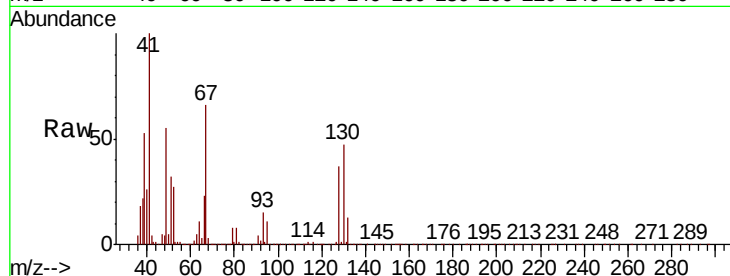




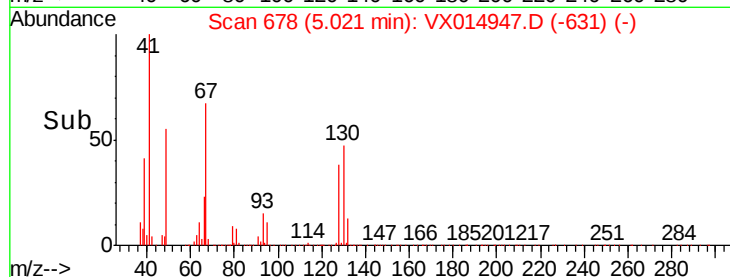
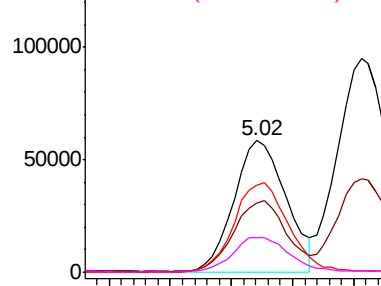
#41  
Methacrylonitrile  
Concen: 51.231 ug/l  
RT: 5.02 min Scan# 678  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

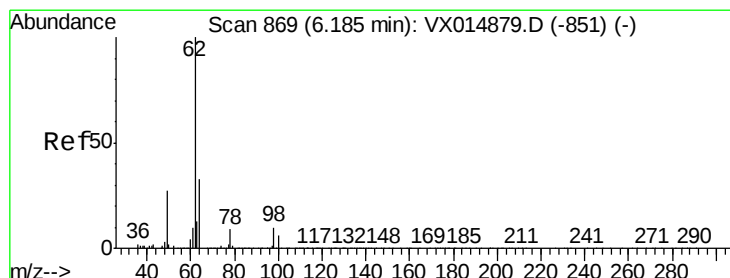
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 173637 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 54.4  | 44.7  | 67.1   |
| 67       | 70.4  | 56.6  | 84.8   |
| 52       | 28.6  | 22.3  | 33.5   |



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

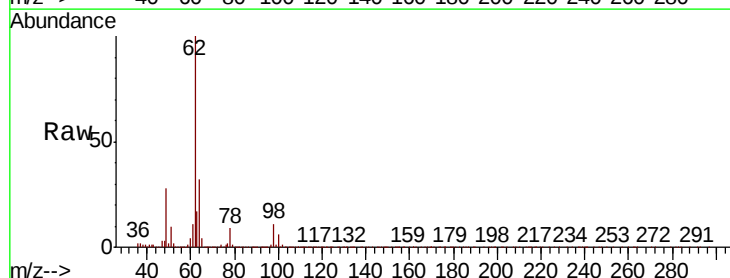


Time-->

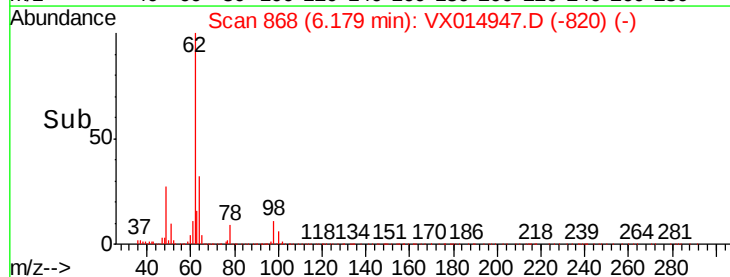
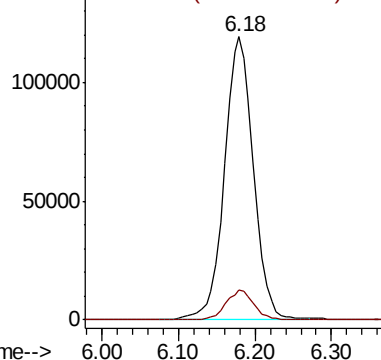


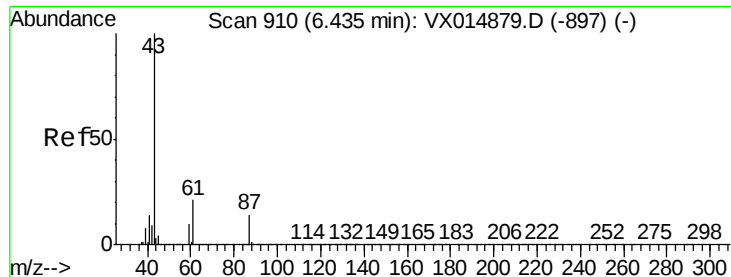
#42  
1,2-Dichloroethane  
Concen: 47.984 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 312571 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.3  | 0.0   | 19.2   |



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





#43

Isopropyl Acetate

Concen: 49.646 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

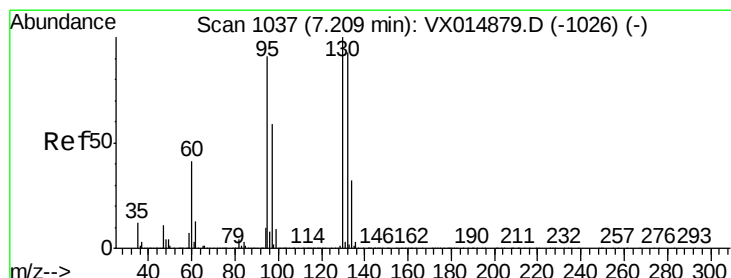
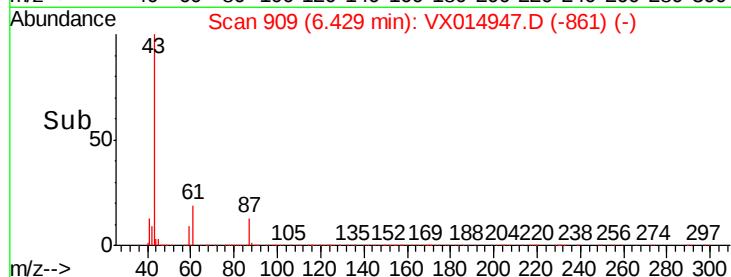
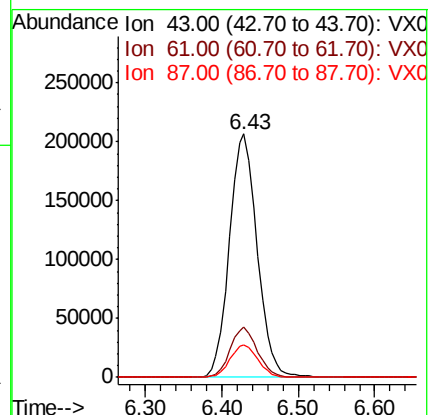
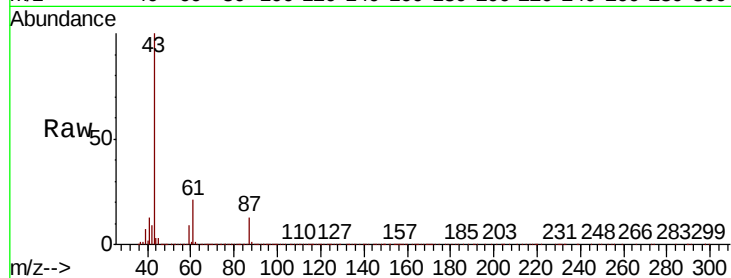
Tot Ion: 43 Resp: 515250

Ion Ratio Lower Upper

43 100

61 20.1 16.2 24.4

87 13.6 11.0 16.6



#44

Trichloroethene

Concen: 47.383 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014947.D

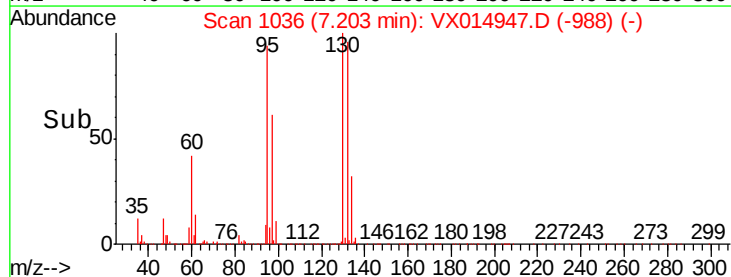
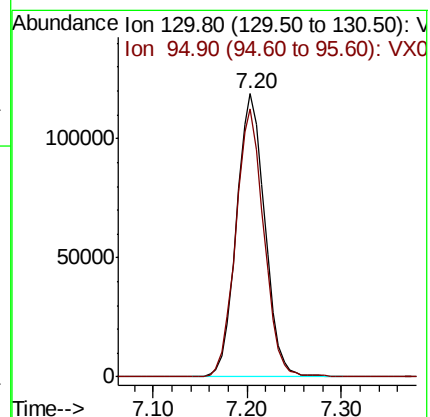
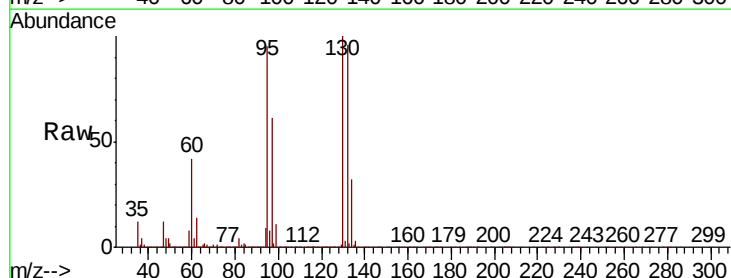
Acq: 18 Feb 2020 09:54

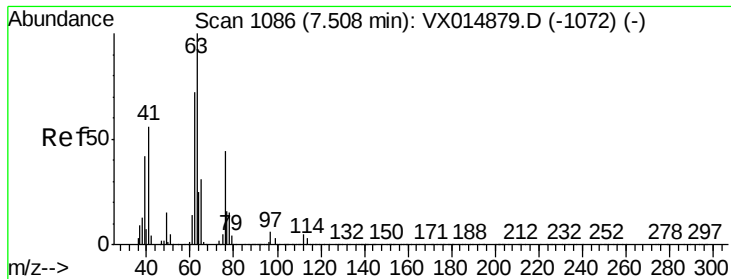
Tgt Ion: 130 Resp: 247912

Ion Ratio Lower Upper

130 100

95 94.6 0.0 182.6





#45

1,2-Dichloropropane

Concen: 49.484 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

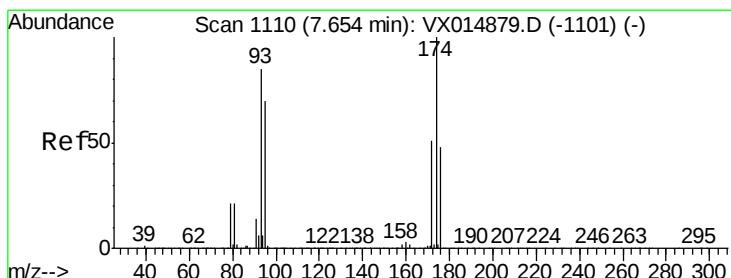
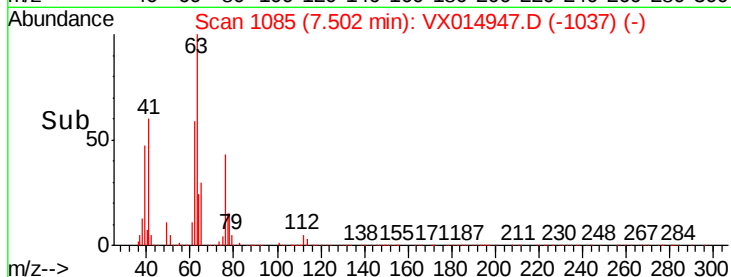
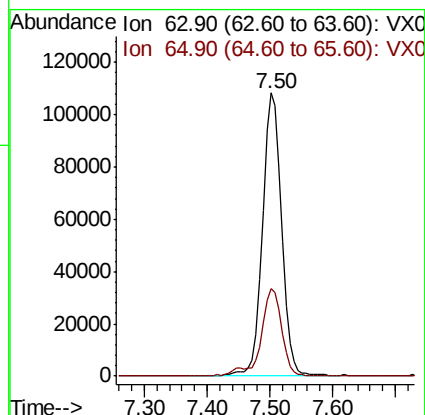
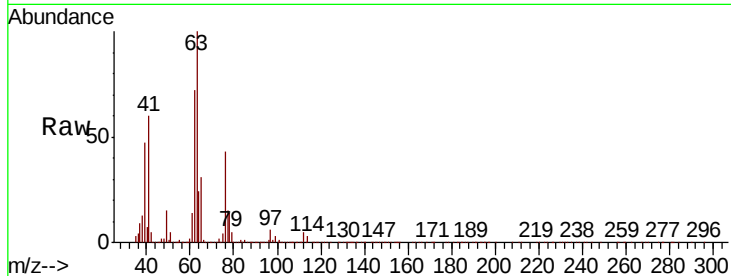
VSTDCCC050

Tot Ion: 63 Resp: 227450

Ion Ratio Lower Upper

63 100

65 30.8 24.9 37.3



#46

Dibromomethane

Concen: 47.793 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

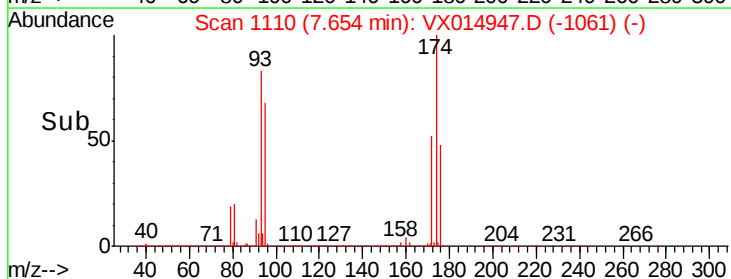
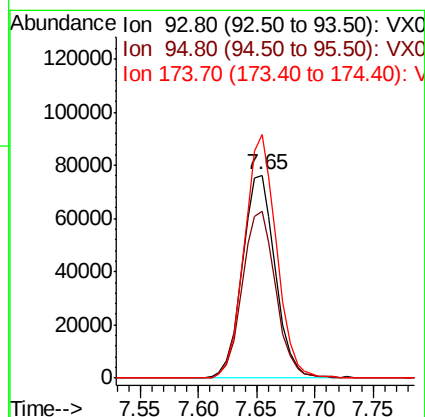
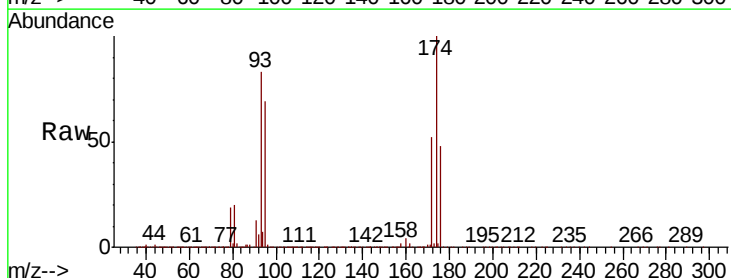
Tgt Ion: 93 Resp: 150161

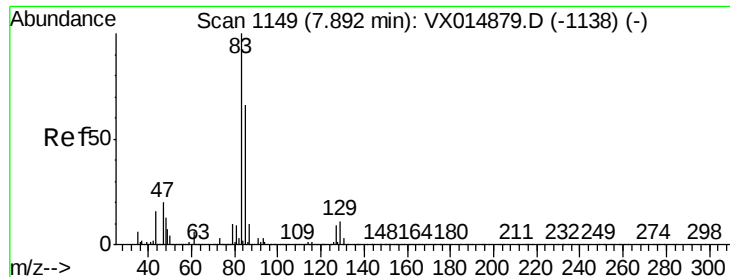
Ion Ratio Lower Upper

93 100

95 83.2 65.8 98.8

174 117.2 95.4 143.2





#47

Bromodichloromethane

Concen: 49.287 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

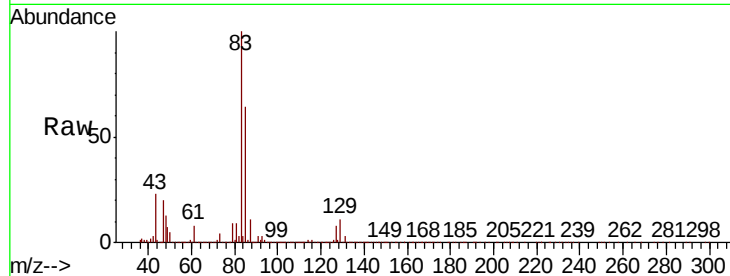
Tot Ion: 83 Resp: 307045

Ion Ratio Lower Upper

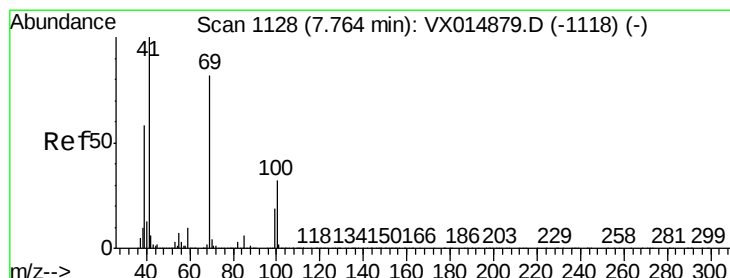
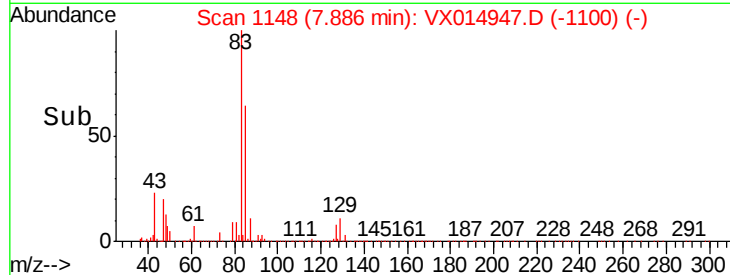
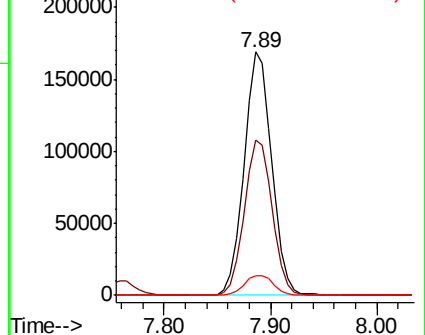
83 100

85 63.7 52.5 78.7

127 8.1 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.585 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

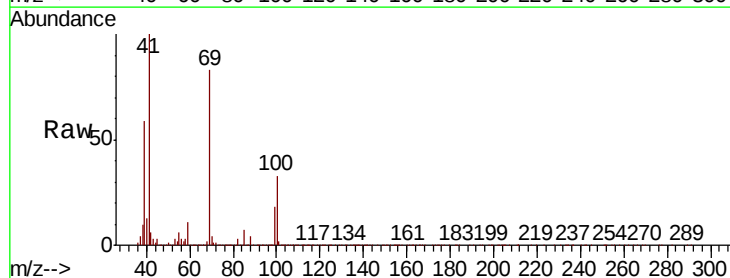
Tgt Ion: 41 Resp: 258368

Ion Ratio Lower Upper

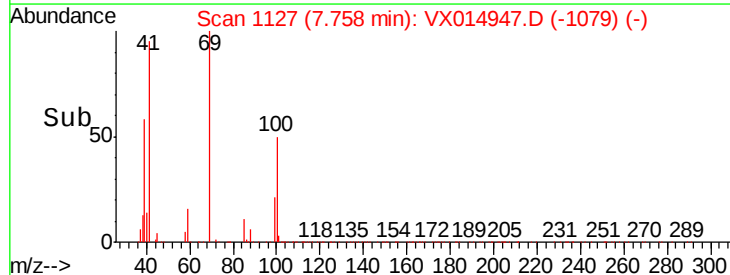
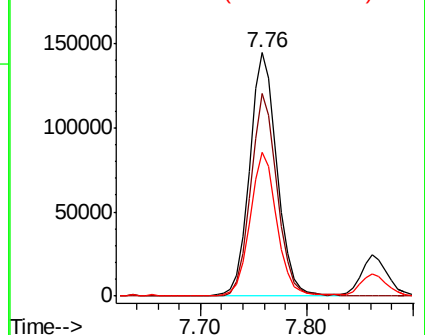
41 100

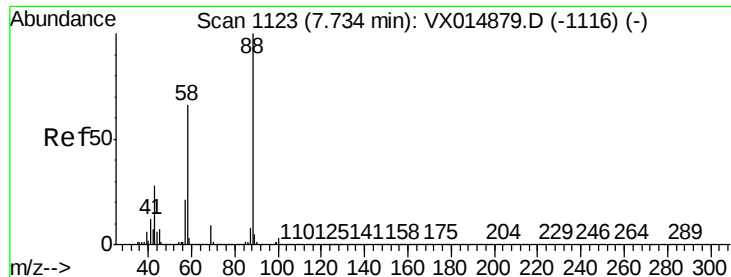
69 80.9 65.7 98.5

39 57.4 45.8 68.8



Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1046.998 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

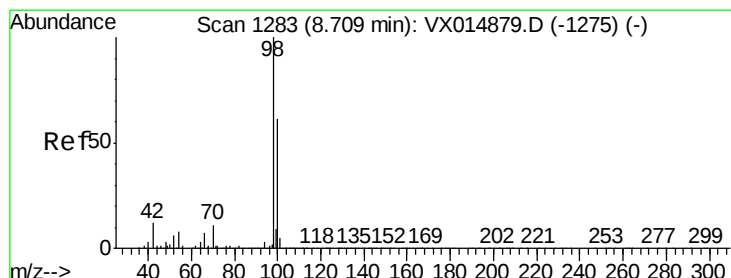
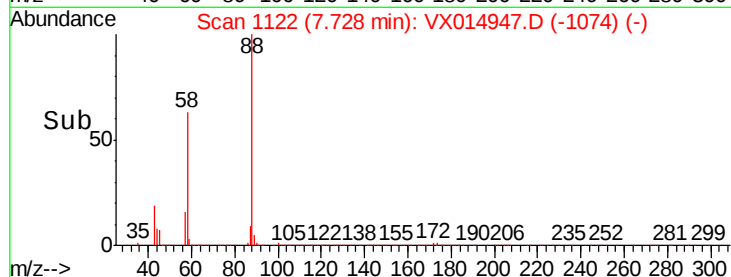
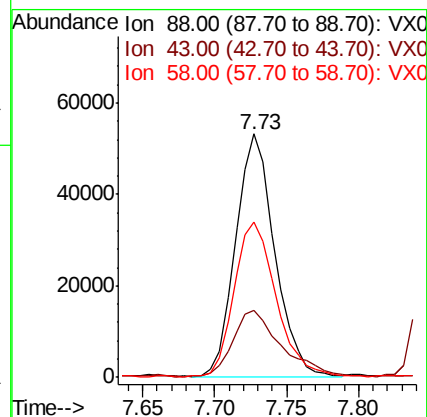
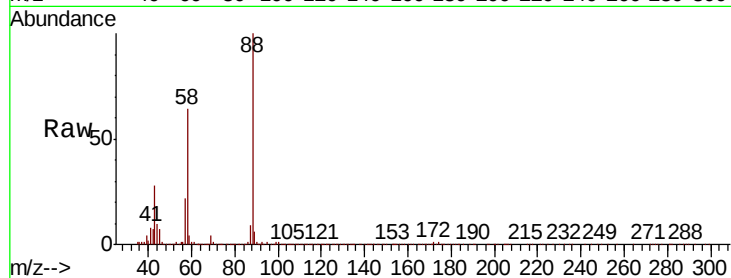
Tot Ion: 88 Resp: 99985

Ion Ratio Lower Upper

88 100

43 33.6 27.0 40.4

58 68.6 53.2 79.8



#50

Toluene-d8

Concen: 47.639 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014947.D

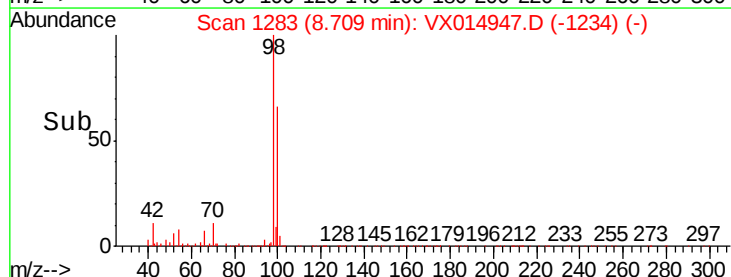
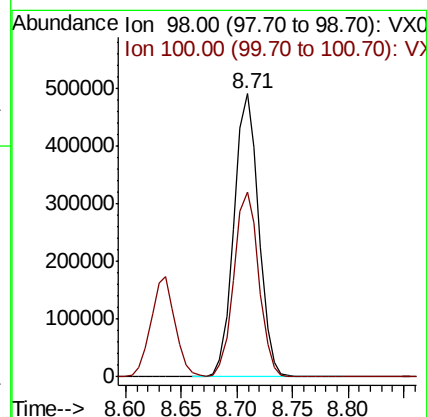
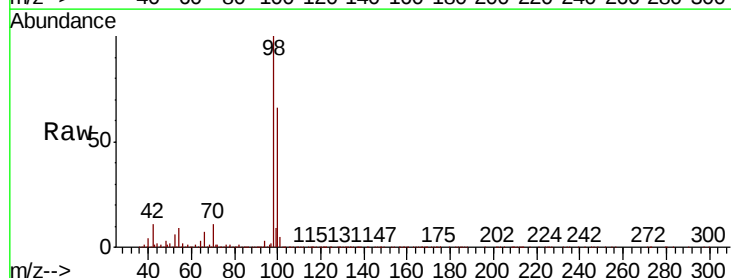
Acq: 18 Feb 2020 09:54

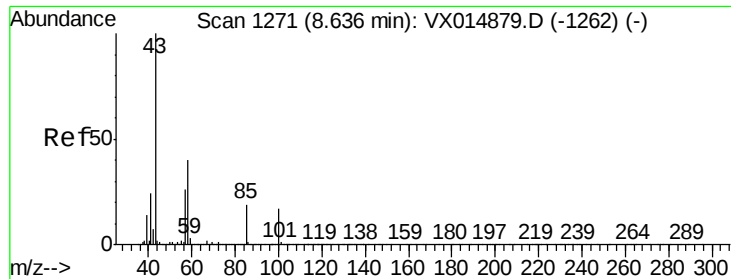
Tgt Ion: 98 Resp: 753855

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 251.208 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

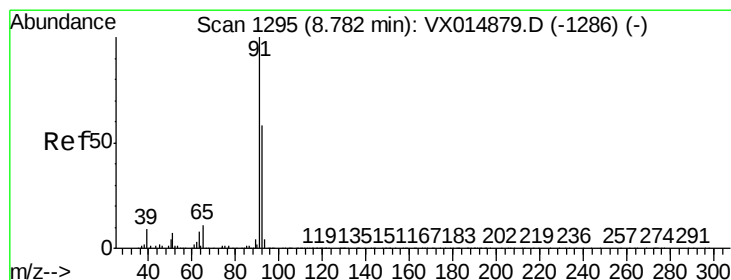
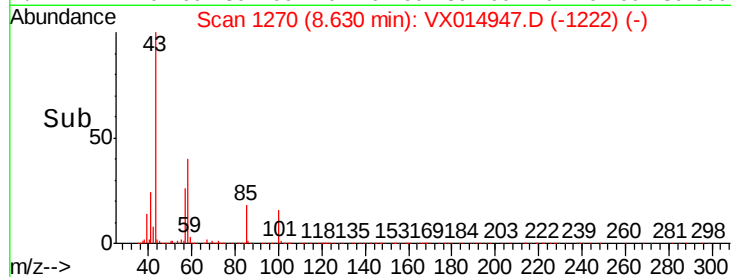
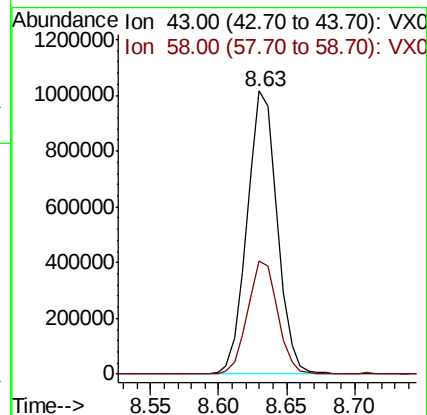
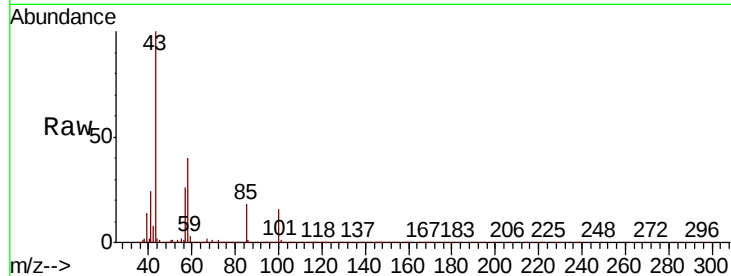
VSTDCCC050

Tot Ion: 43 Resp: 1574273

Ion Ratio Lower Upper

43 100

58 40.1 31.9 47.9



#52

Toluene

Concen: 48.973 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014947.D

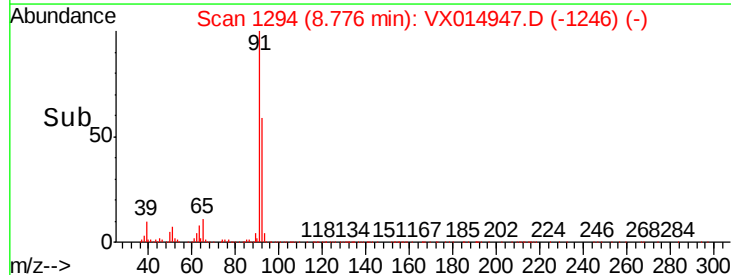
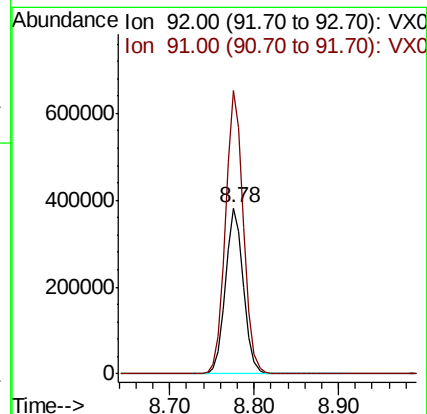
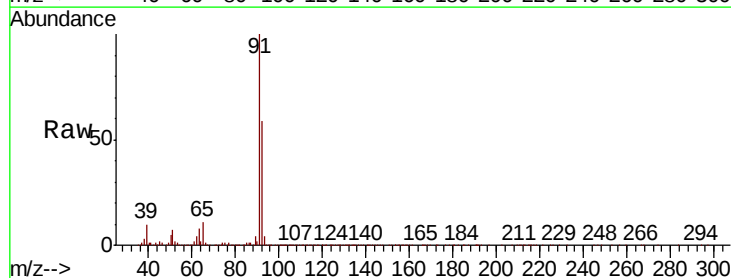
Acq: 18 Feb 2020 09:54

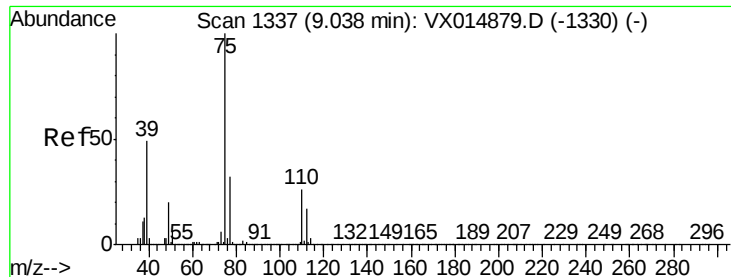
Tgt Ion: 92 Resp: 560606

Ion Ratio Lower Upper

92 100

91 170.8 137.0 205.4

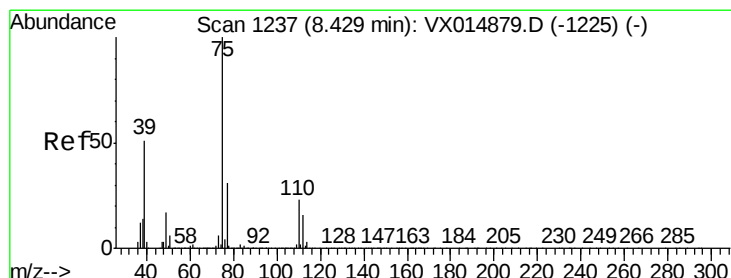
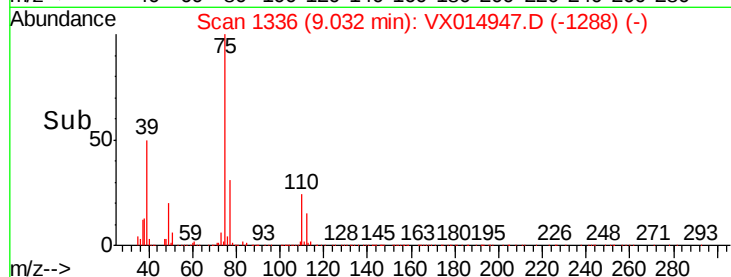
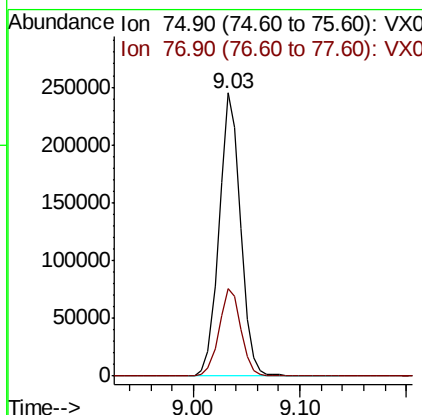
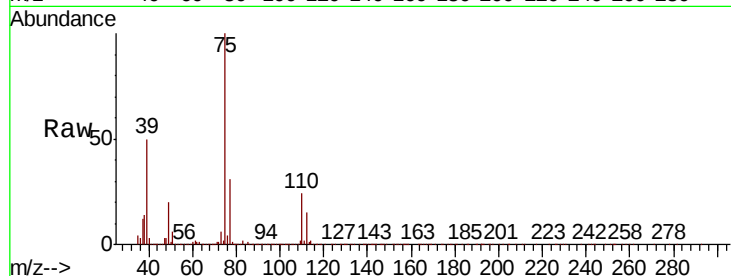




#53  
t-1,3-Dichloropropene  
Concen: 50.111 ug/l  
RT: 9.03 min Scan# 1336  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

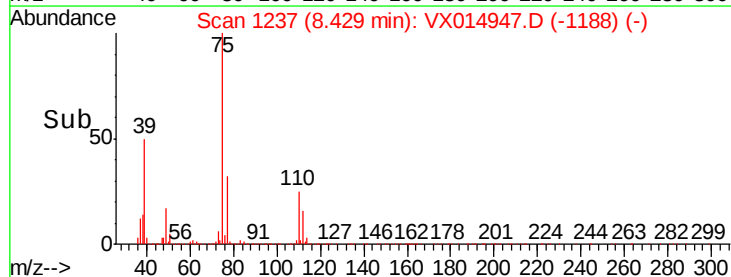
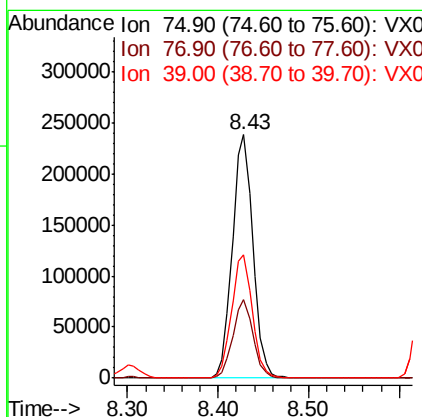
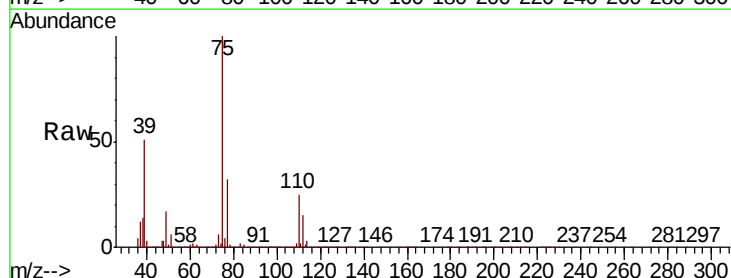
Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050

Tot Ion: 75 Resp: 342128  
Ion Ratio Lower Upper  
75 100  
77 30.7 25.5 38.3



#54  
cis-1,3-Dichloropropene  
Concen: 49.817 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Tgt Ion: 75 Resp: 375738  
Ion Ratio Lower Upper  
75 100  
77 32.1 24.6 37.0  
39 50.4 40.9 61.3

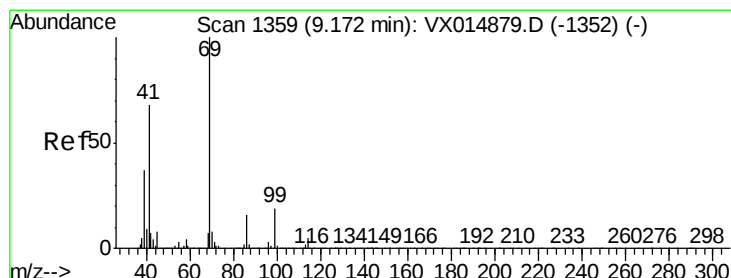
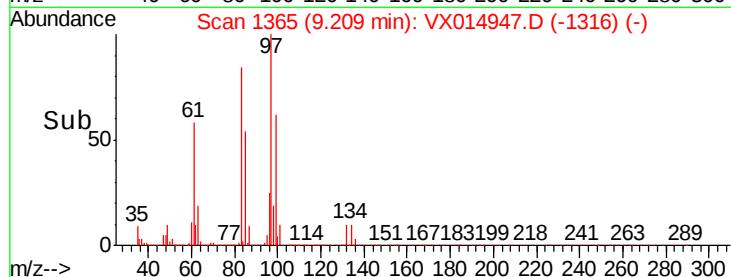
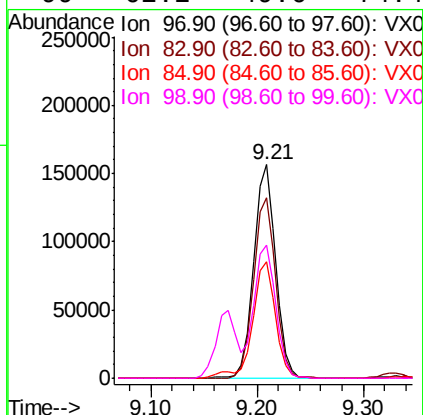
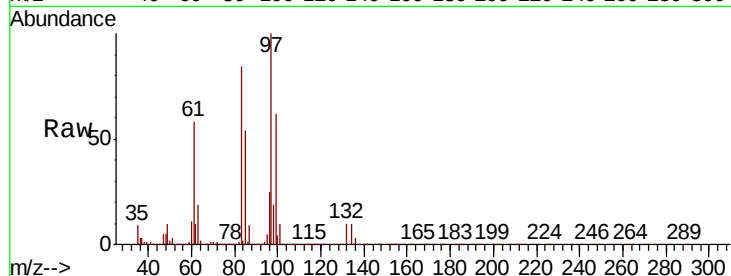




#55  
 1,1,2-Trichloroethane  
 Concen: 48.787 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX014947.D  
 Acq: 18 Feb 2020 09:54

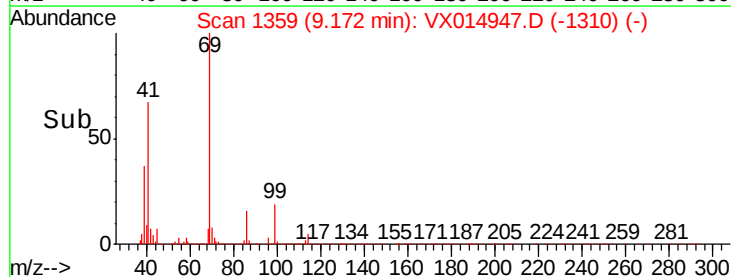
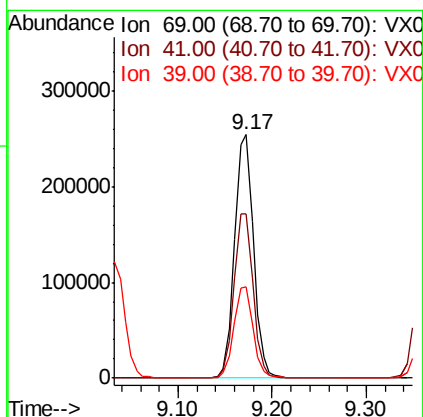
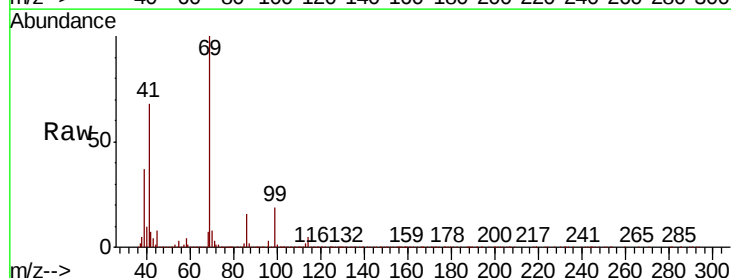
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

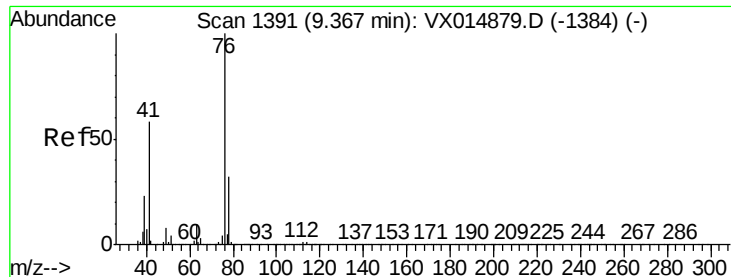
| Tot Ion: | 97    | Resp: | 225948 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.2  | 66.6  | 99.8   |
| 85       | 54.3  | 43.5  | 65.3   |
| 99       | 62.2  | 49.6  | 74.4   |



#56  
 Ethyl methacrylate  
 Concen: 51.107 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VX014947.D  
 Acq: 18 Feb 2020 09:54

| Tgt Ion: | 69    | Resp: | 355768 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 67.9  | 54.8  | 82.2   |
| 39       | 37.6  | 29.9  | 44.9   |





#57

1,3-Dichloropropane

Concen: 48.536 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

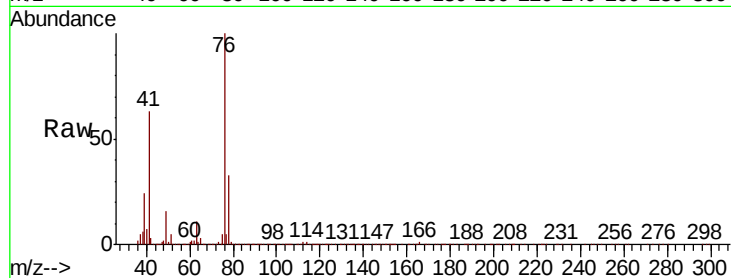
VSTDCCC050

Tot Ion: 76 Resp: 378388

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.36

250000

200000

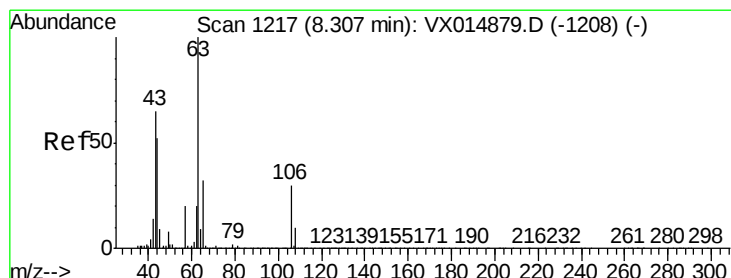
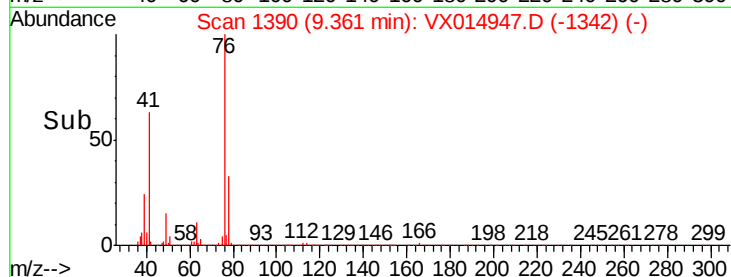
150000

100000

50000

0

Time--> 9.25 9.30 9.35 9.40 9.45



#58

2-Chloroethyl Vinyl ether

Concen: 250.745 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014947.D

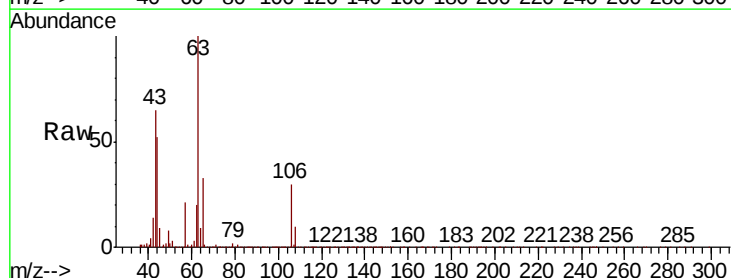
Acq: 18 Feb 2020 09:54

Tgt Ion: 63 Resp: 912863

Ion Ratio Lower Upper

63 100

106 30.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

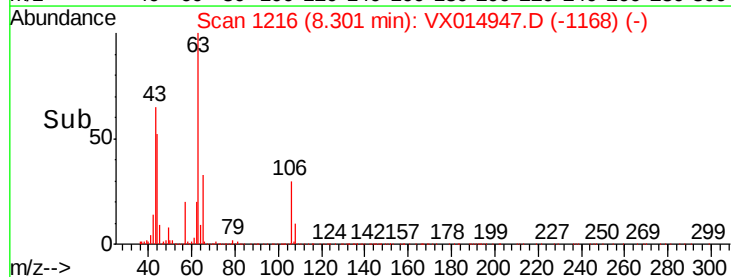
600000

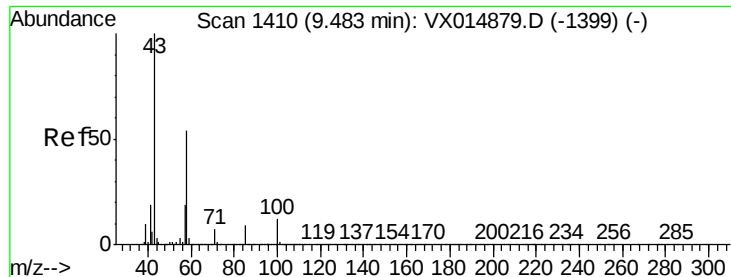
400000

200000

0

Time--> 8.20 8.30 8.40

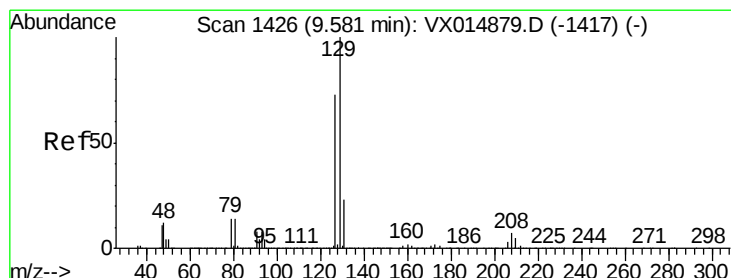
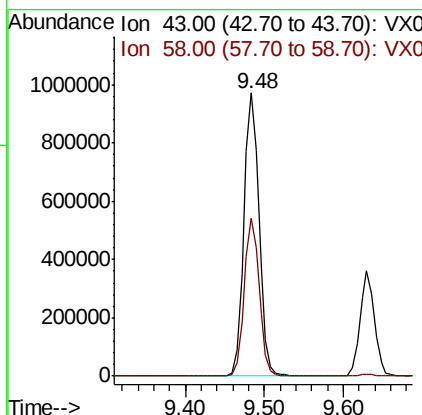
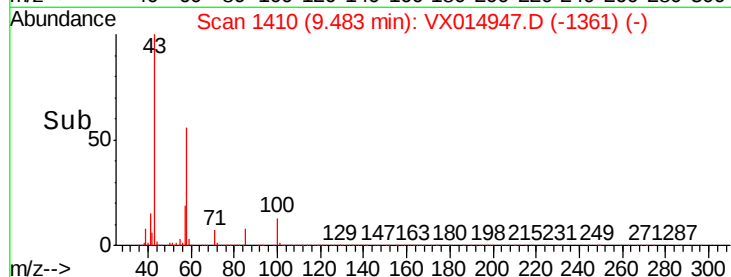
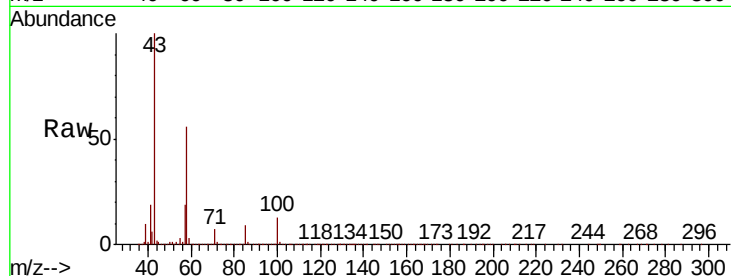




#59  
2-Hexanone  
Concen: 263.271 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

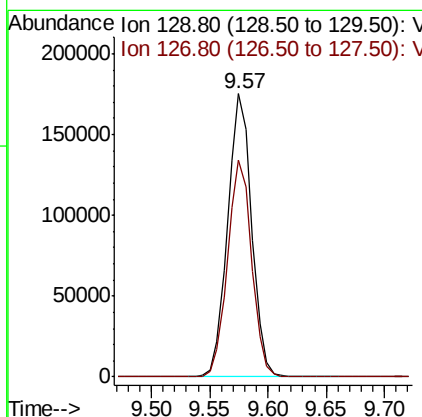
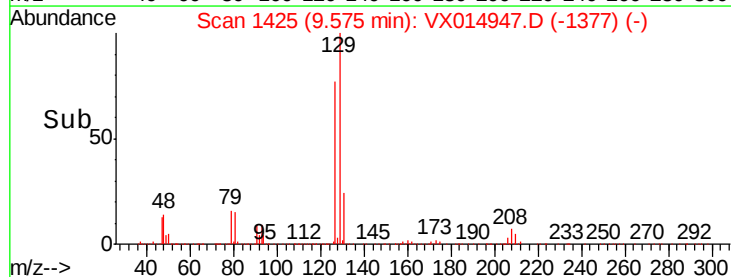
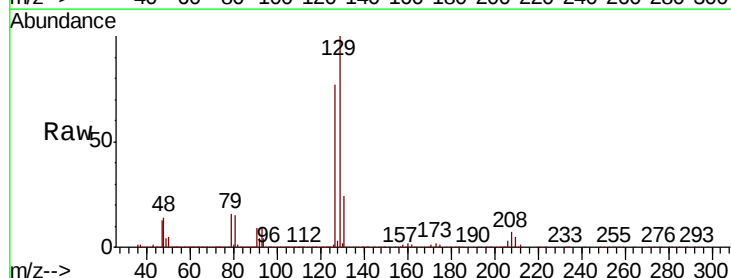
Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050

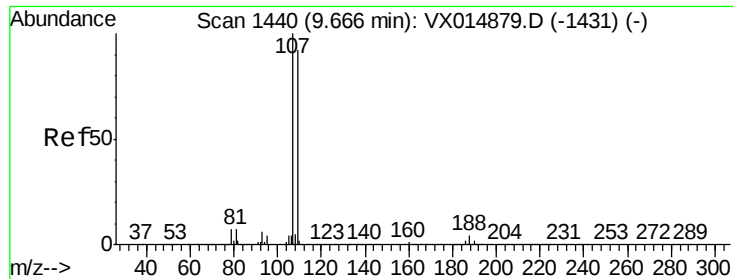
Tot Ion: 43 Resp: 1296820  
Ion Ratio Lower Upper  
43 100  
58 55.1 27.5 82.5



#60  
Dibromochloromethane  
Concen: 50.468 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Tgt Ion: 129 Resp: 251536  
Ion Ratio Lower Upper  
129 100  
127 76.8 37.8 113.3





#61

1,2-Dibromoethane

Concen: 48.251 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

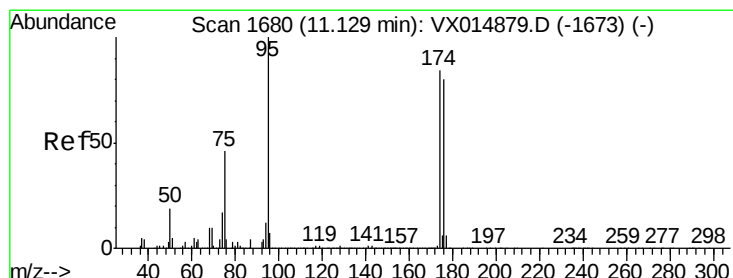
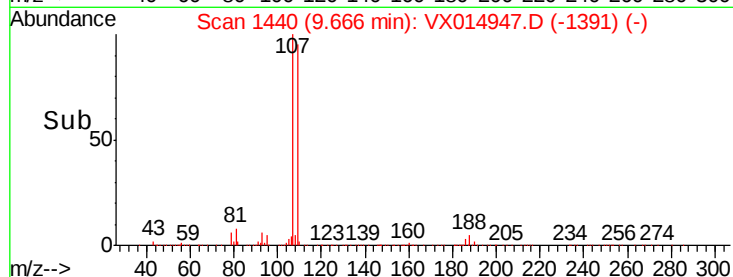
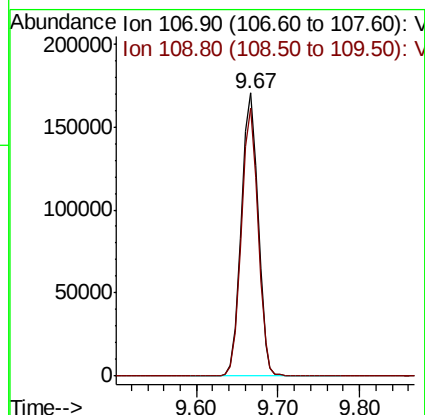
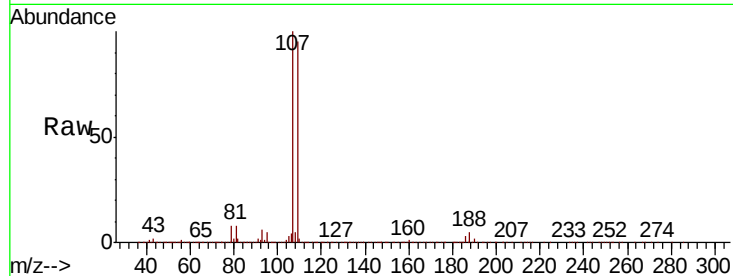
VSTDCCC050

Tot Ion:107 Resp: 241115

Ion Ratio Lower Upper

107 100

109 93.3 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 47.713 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

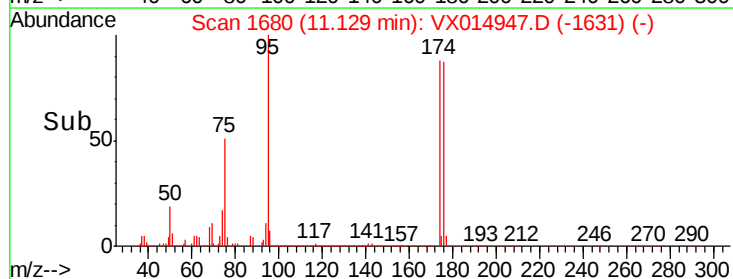
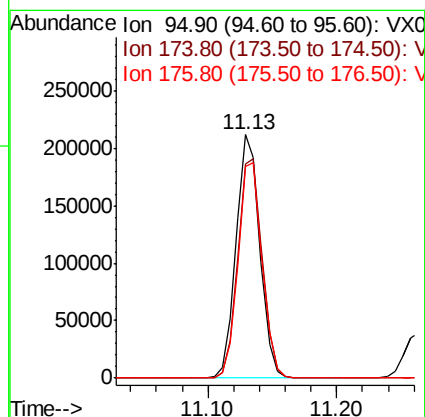
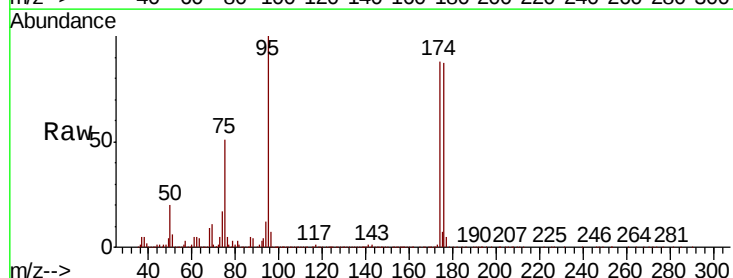
Tgt Ion: 95 Resp: 271987

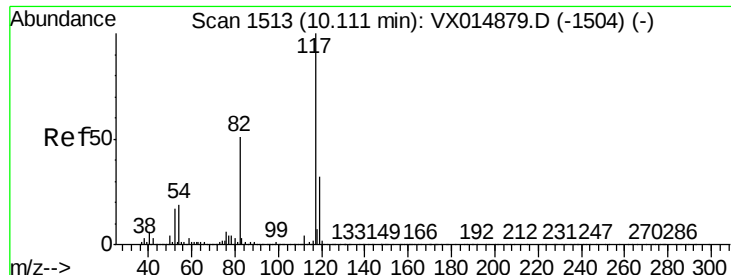
Ion Ratio Lower Upper

95 100

174 92.6 0.0 183.0

176 89.7 0.0 178.0

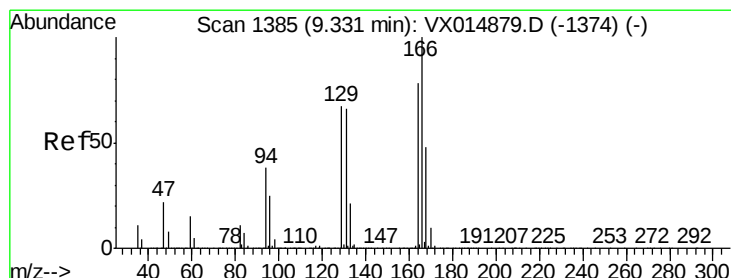
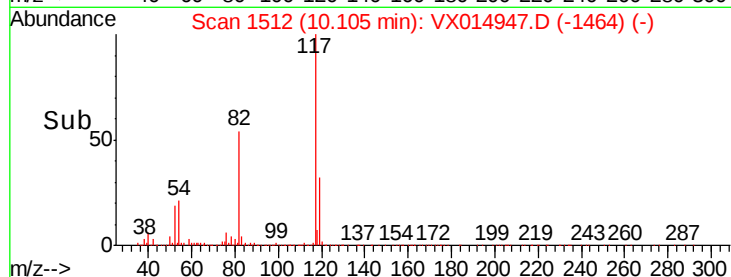
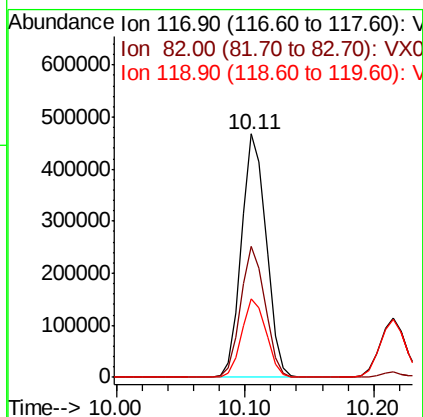
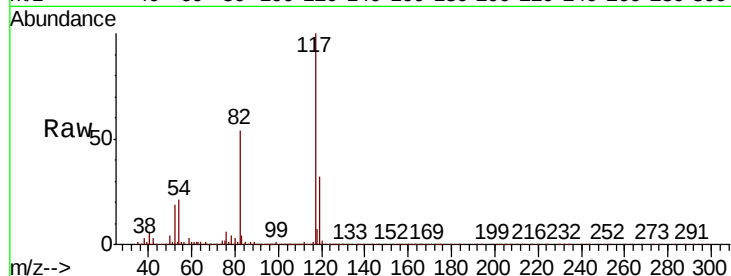




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

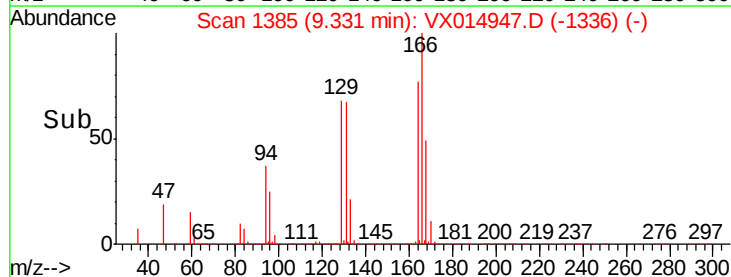
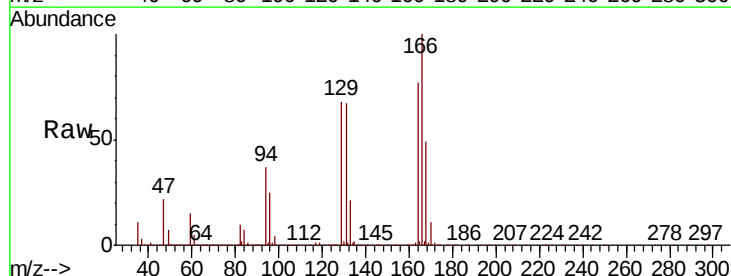
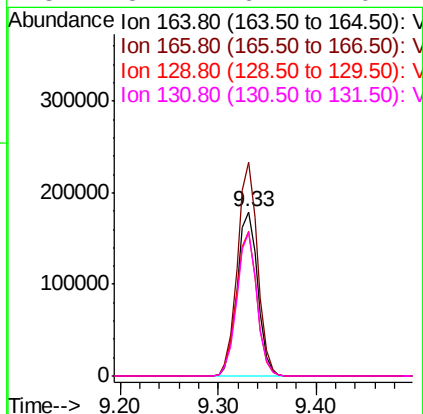
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

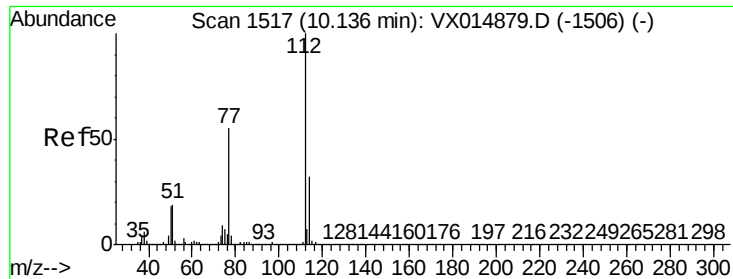
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.6  | 40.5  | 60.7  |
| 119     | 32.2  | 25.8  | 38.6  |



#64  
Tetrachloroethene  
Concen: 45.287 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 130.1 | 102.6 | 153.8 |
| 129     | 88.3  | 68.3  | 102.5 |
| 131     | 87.4  | 67.4  | 101.2 |

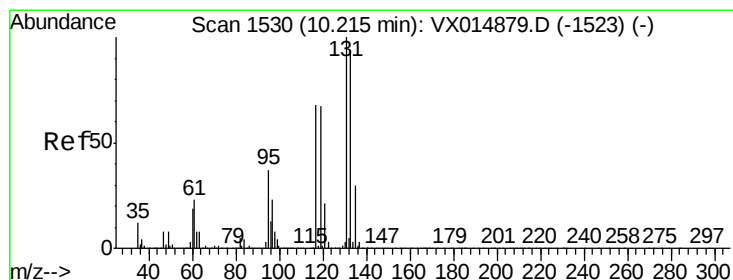
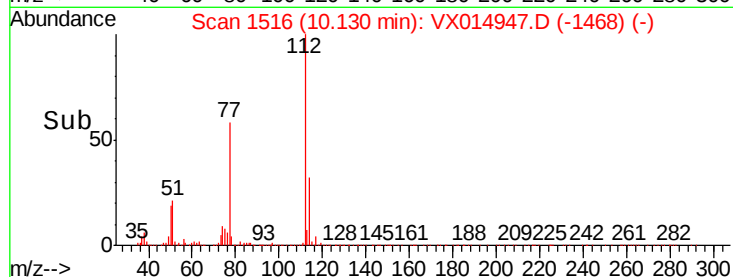
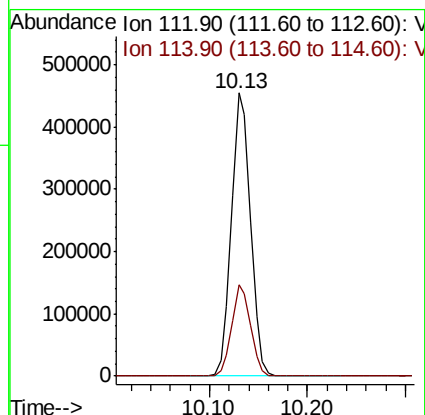
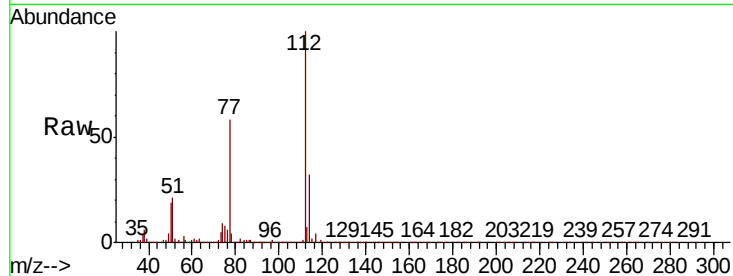




#65  
Chlorobenzene  
Concen: 48.901 ug/l  
RT: 10.13 min Scan# 1516  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

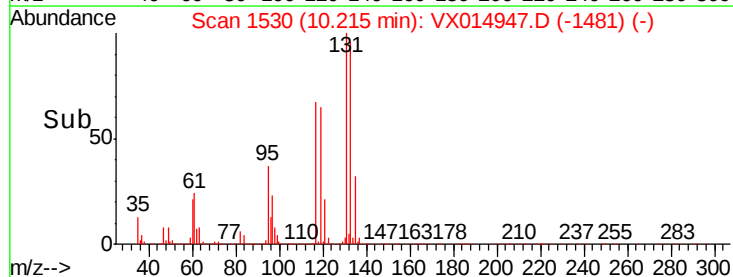
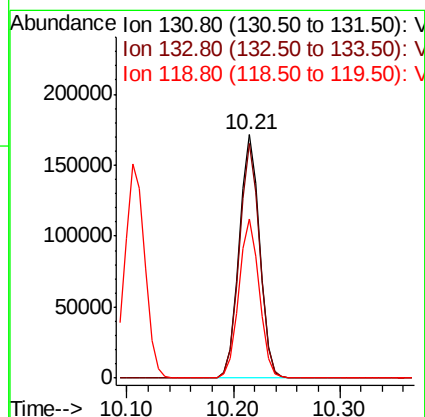
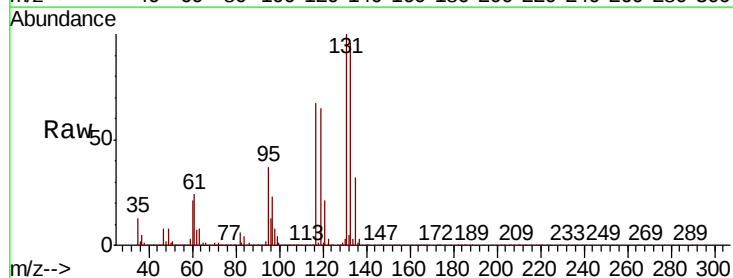
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

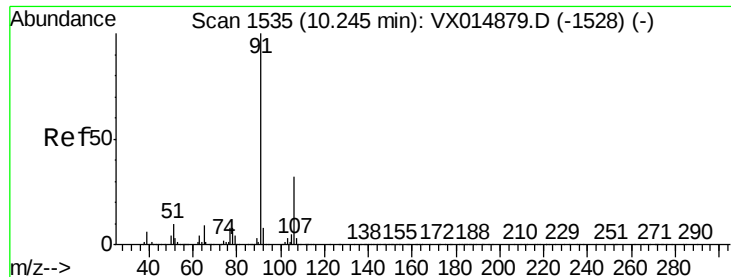
Tot Ion:112 Resp: 616063  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.6 38.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.616 ug/l  
RT: 10.21 min Scan# 1530  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Tgt Ion:131 Resp: 231502  
Ion Ratio Lower Upper  
131 100  
133 96.1 48.1 144.4  
119 65.3 33.0 99.0





#67

Ethyl Benzene

Concen: 50.189 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

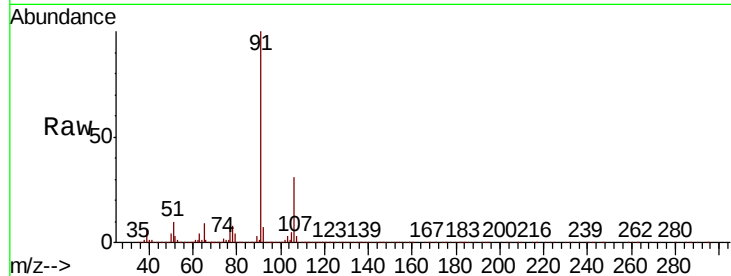
VSTDCCC050

Tot Ion: 91 Resp: 1075338

Ion Ratio Lower Upper

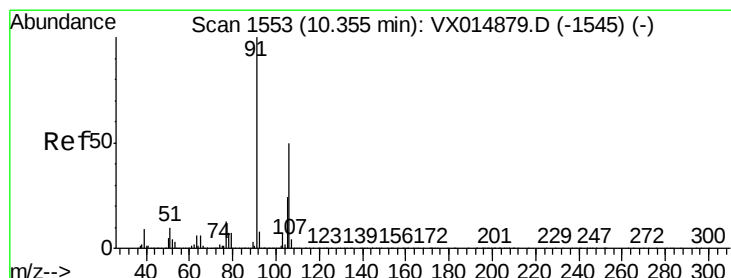
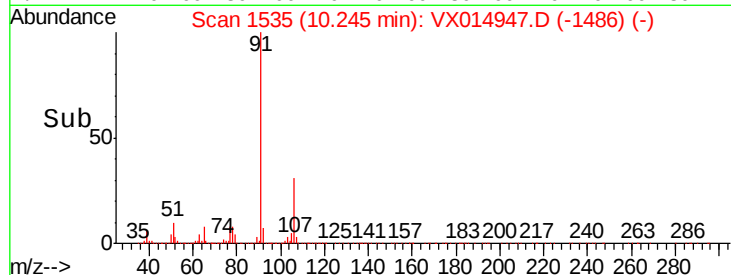
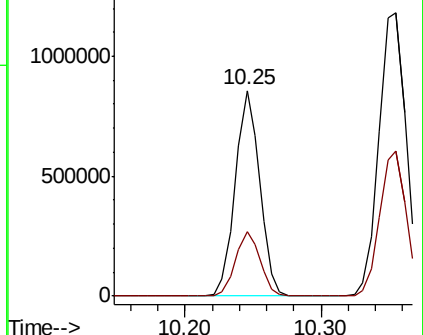
91 100

106 31.2 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VX014879.D (-1528) (-)

Ion 106.00 (105.70 to 106.70): VX014879.D (-1528) (-)



#68

m/p-Xylenes

Concen: 99.818 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014947.D

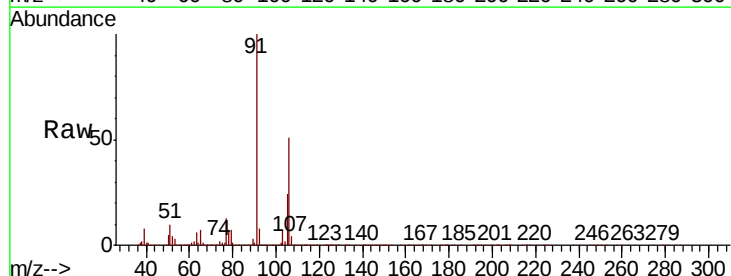
Acq: 18 Feb 2020 09:54

Tgt Ion: 106 Resp: 823884

Ion Ratio Lower Upper

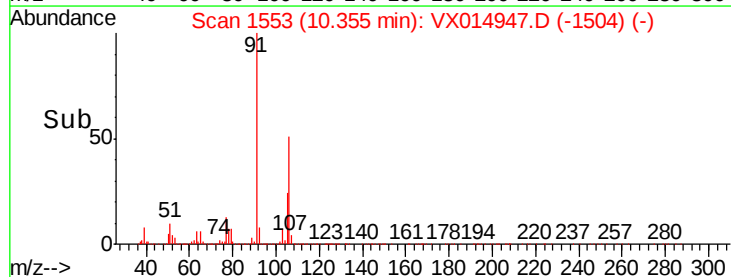
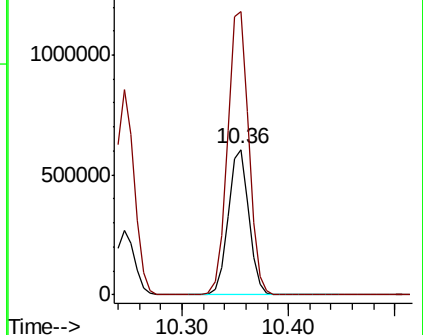
106 100

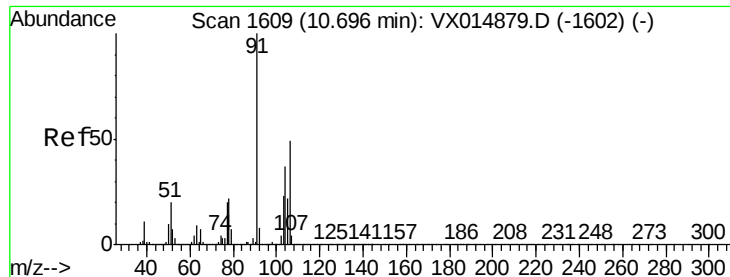
91 200.0 160.6 240.8



Abundance Ion 106.00 (105.70 to 106.70): VX014879.D (-1545) (-)

Ion 91.00 (90.70 to 91.70): VX014879.D (-1545) (-)

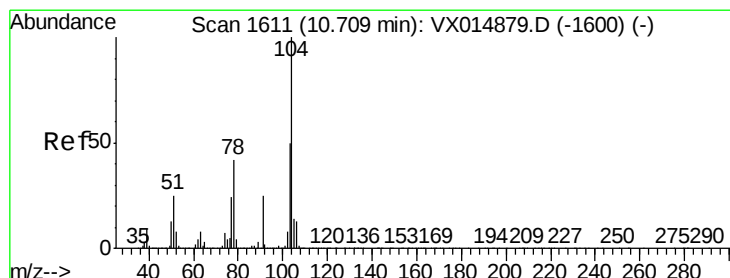
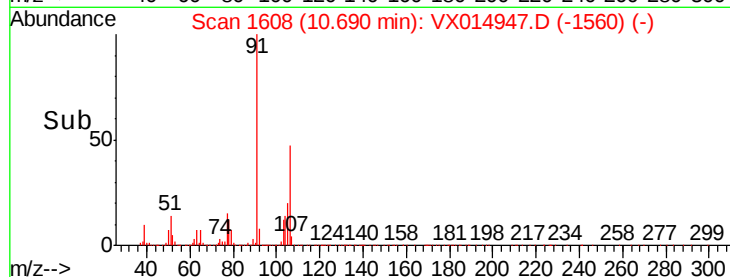
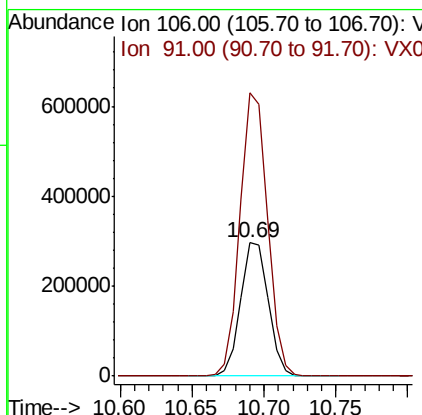
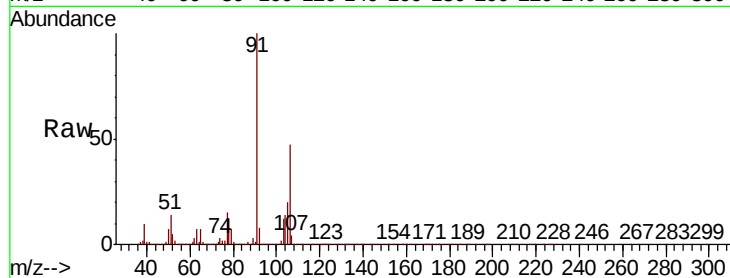




#69  
o-Xylene  
Concen: 50.093 ug/l  
RT: 10.69 min Scan# 1608  
Delta R.T. -0.01 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

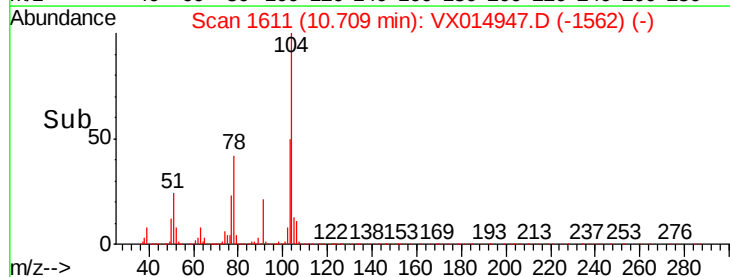
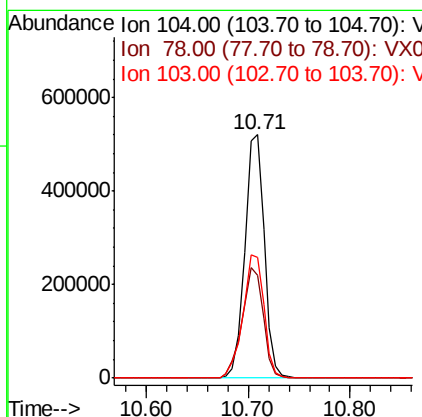
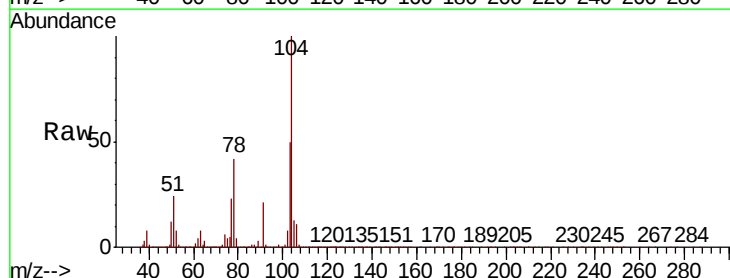
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

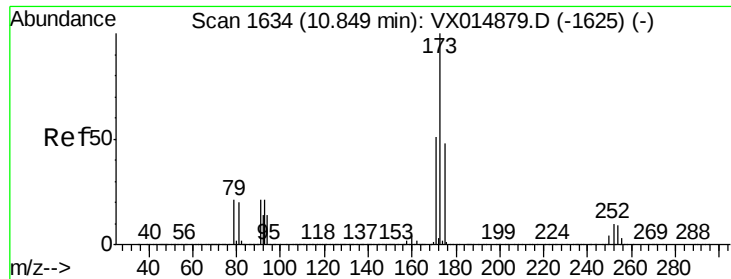
Tot Ion:106 Resp: 397450  
Ion Ratio Lower Upper  
106 100  
91 210.7 105.1 315.3



#70  
Styrene  
Concen: 51.270 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Tgt Ion:104 Resp: 688181  
Ion Ratio Lower Upper  
104 100  
78 48.9 39.0 58.4  
103 54.7 43.4 65.0

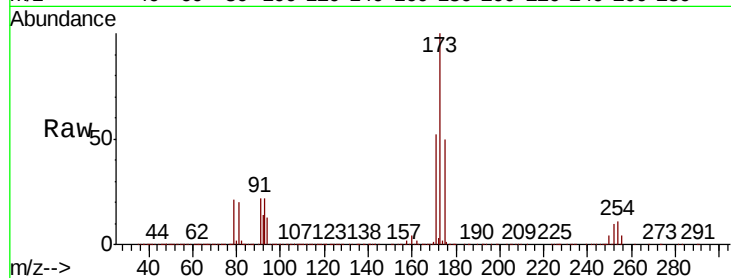




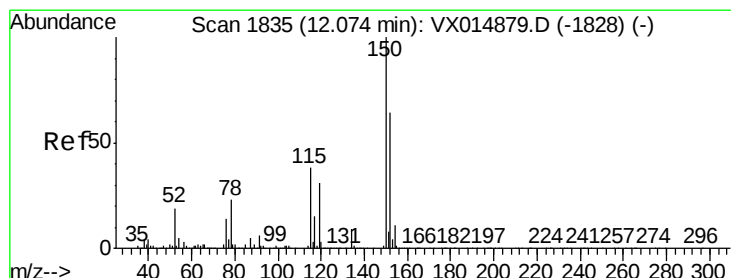
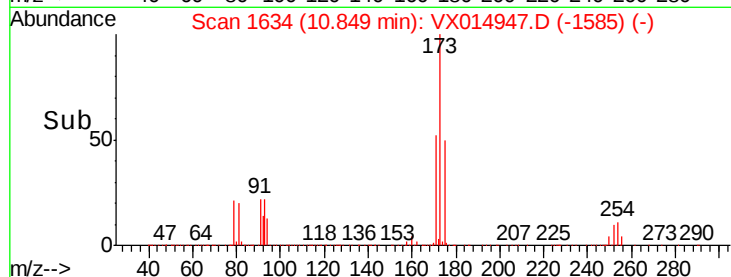
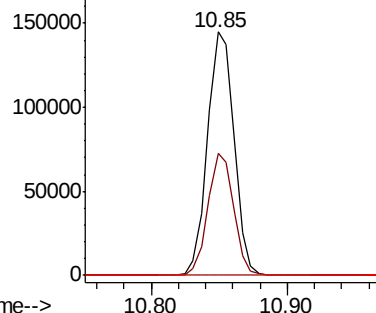
#71  
Bromoform  
Concen: 51.536 ug/l  
RT: 10.85 min Scan# 1634  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion:173 Resp: 196745  
Ion Ratio Lower Upper  
173 100  
175 48.8 24.2 72.6  
254 0.3 0.2 0.2#

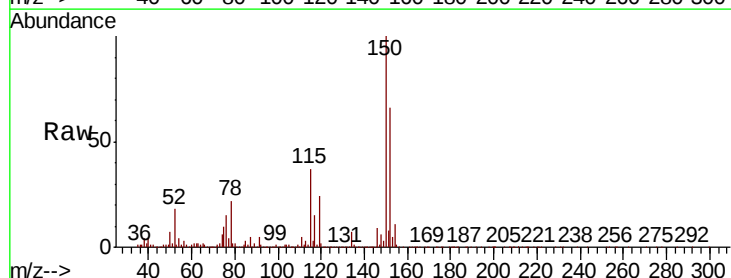


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

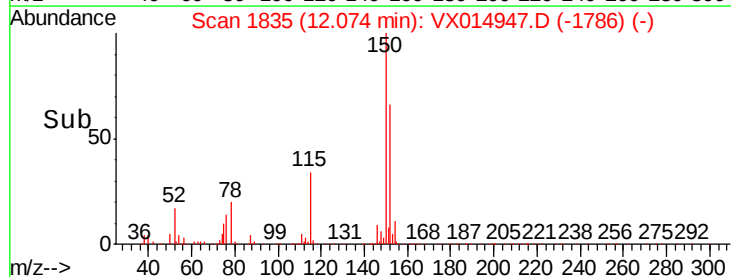
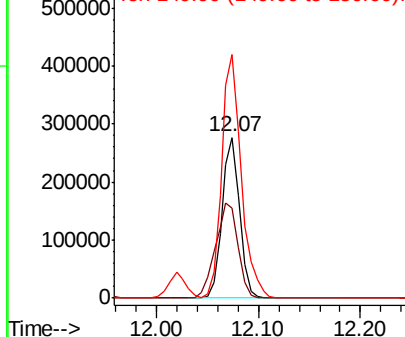


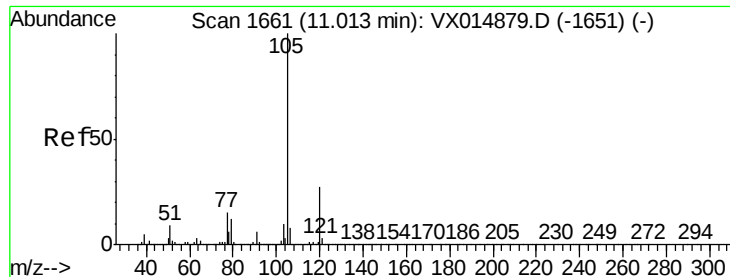
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Tgt Ion:152 Resp: 329599  
Ion Ratio Lower Upper  
152 100  
115 76.3 38.6 116.0  
150 170.0 0.0 349.0



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





#73

Isopropylbenzene

Concen: 51.746 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

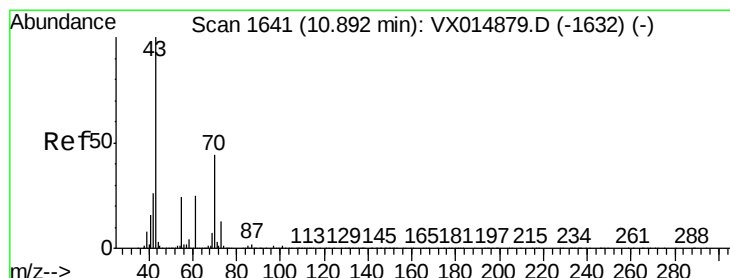
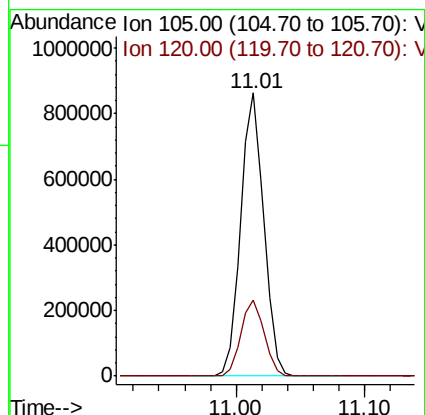
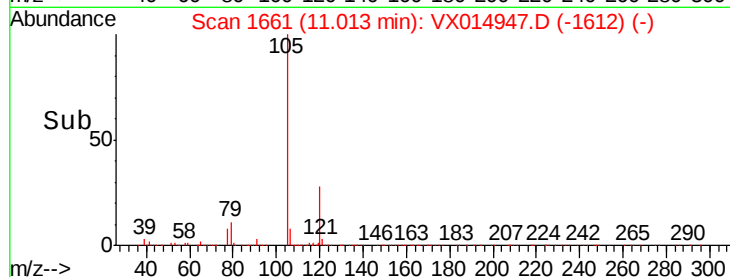
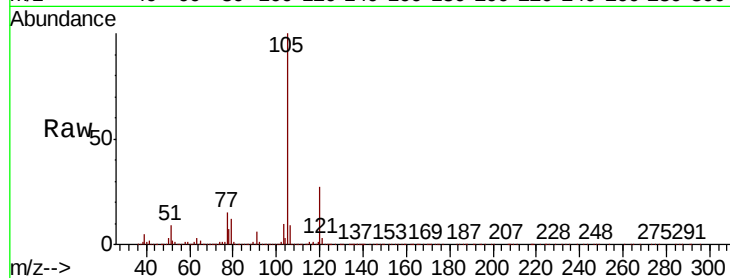
VSTDCCC050

Tot Ion:105 Resp: 1069568

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.8



#74

N-ethyl acetate

Concen: 53.151 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tgt Ion: 43 Resp: 456473

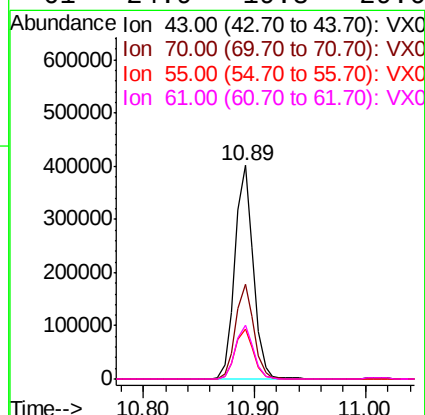
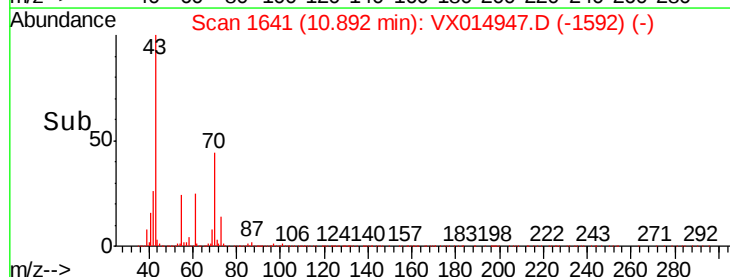
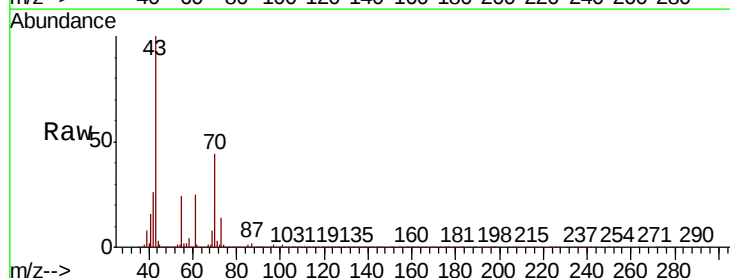
Ion Ratio Lower Upper

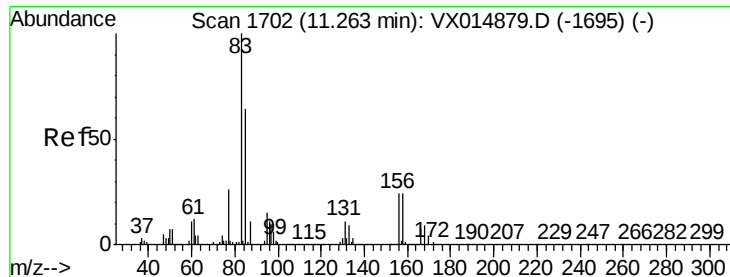
43 100

70 43.9 35.0 52.4

55 24.1 19.4 29.2

61 24.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.422 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

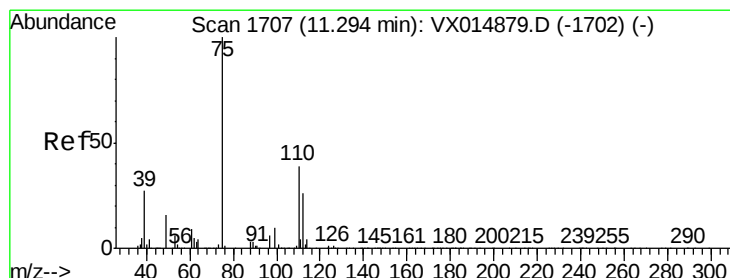
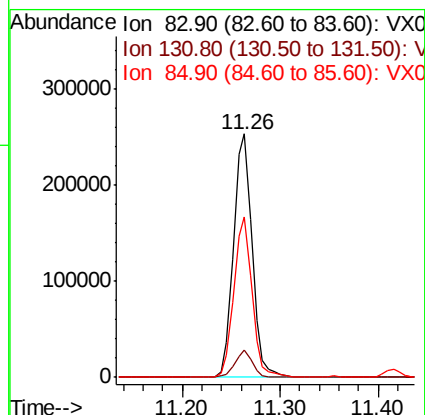
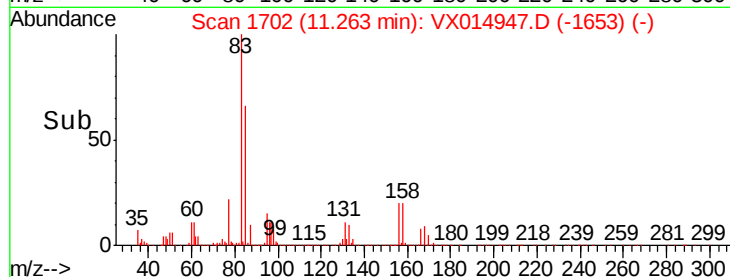
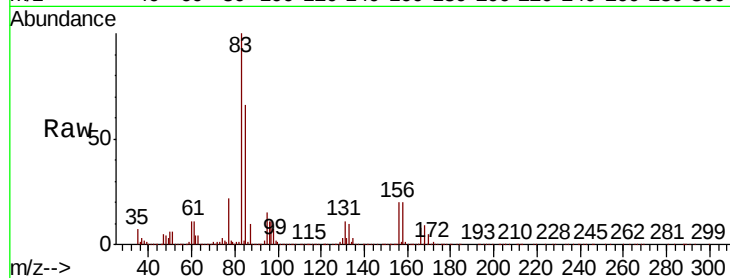
Tot Ion: 83 Resp: 333926

Ion Ratio Lower Upper

83 100

131 10.4 5.3 16.1

85 64.7 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 66.699 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014947.D

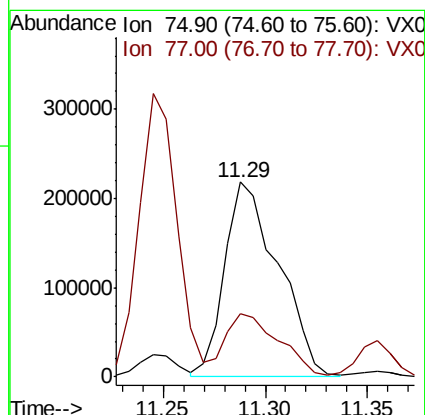
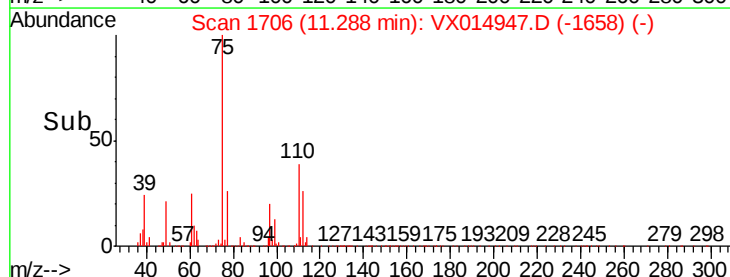
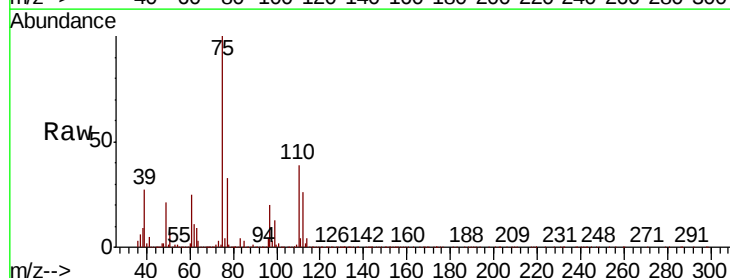
Acq: 18 Feb 2020 09:54

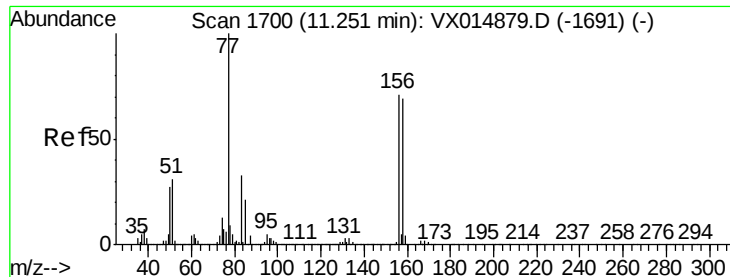
Tgt Ion: 75 Resp: 397540

Ion Ratio Lower Upper

75 100

77 32.7 18.4 55.0





#77

Bromobenzene

Concen: 49.169 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

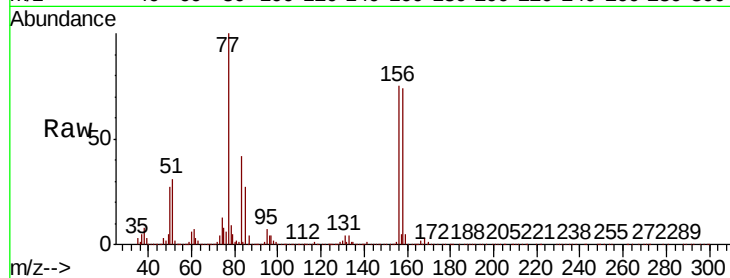
Tot Ion:156 Resp: 283659

Ion Ratio Lower Upper

156 100

77 144.2 74.0 222.0

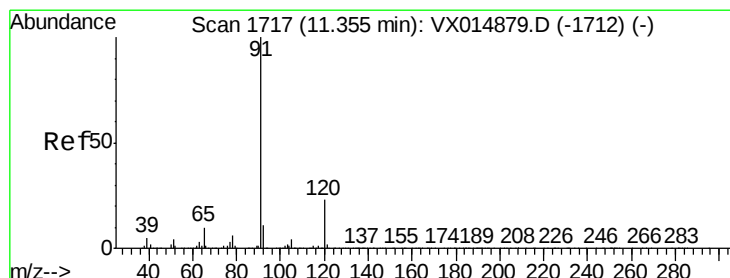
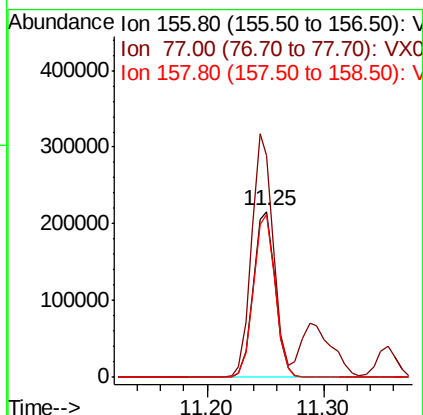
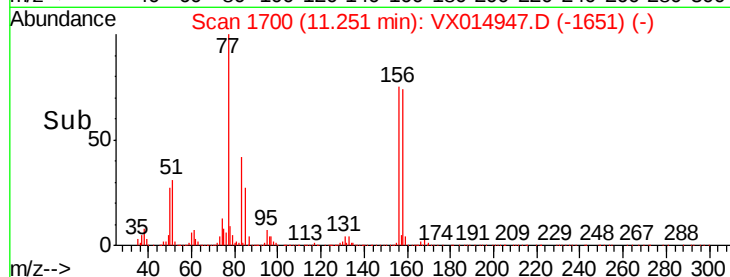
158 98.2 48.9 146.6



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: 51.677 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014947.D

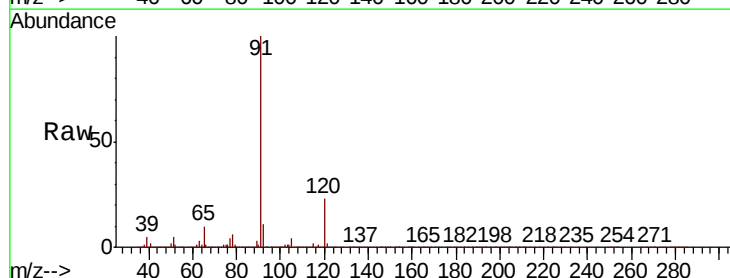
Acq: 18 Feb 2020 09:54

Tgt Ion: 91 Resp: 1235416

Ion Ratio Lower Upper

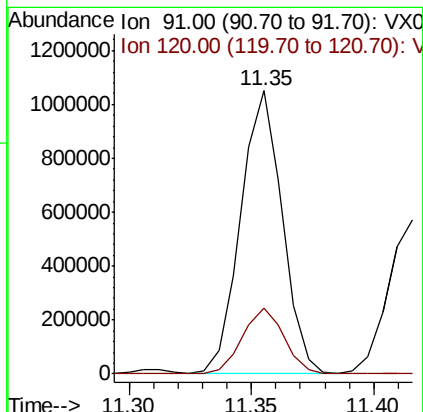
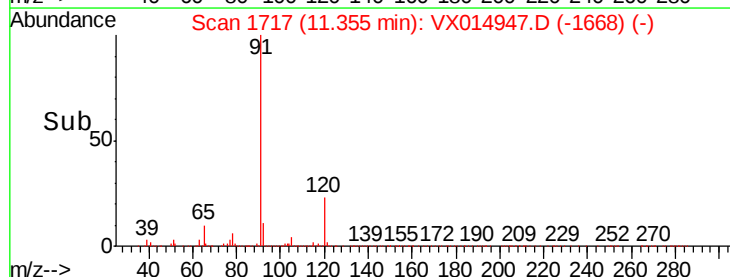
91 100

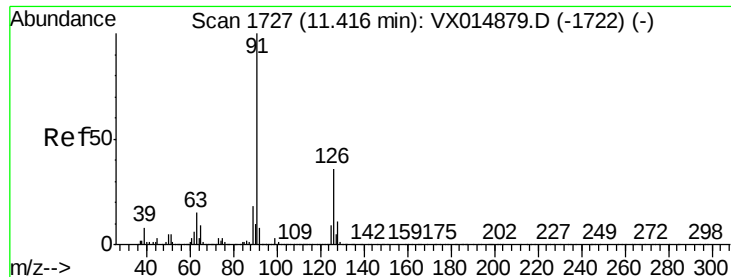
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

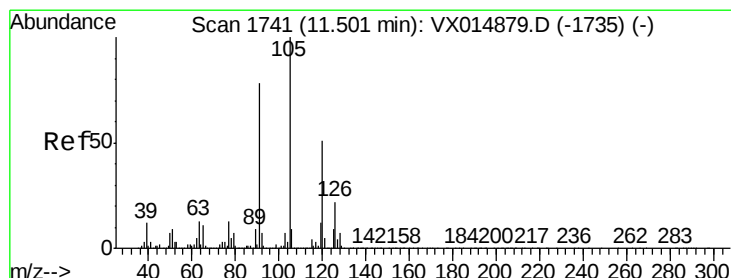
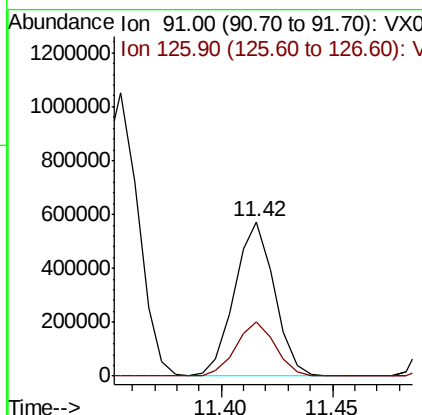
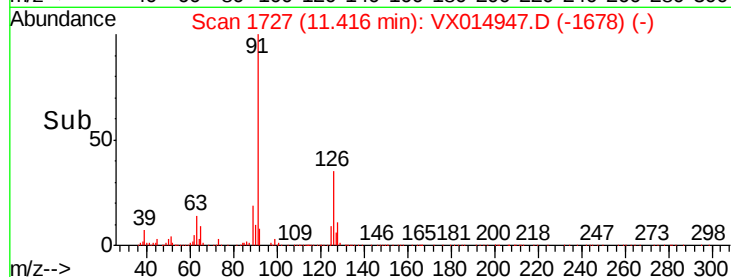
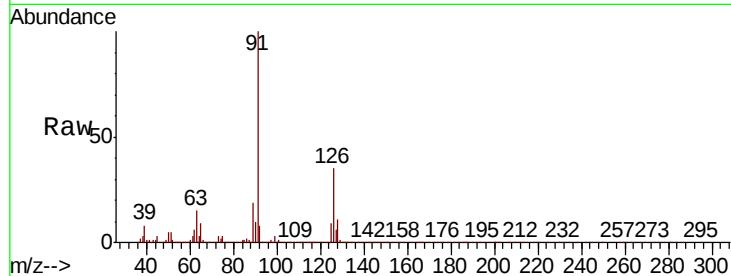




#79  
2-Chlorotoluene  
Concen: 50.720 ug/l  
RT: 11.42 min Scan# 1727  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

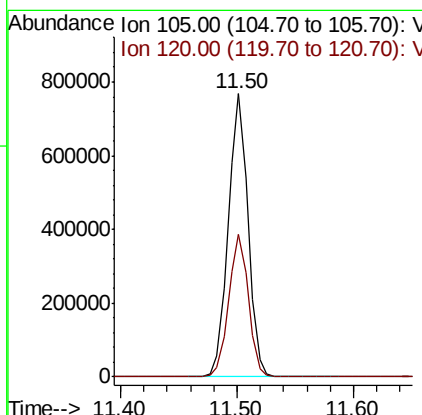
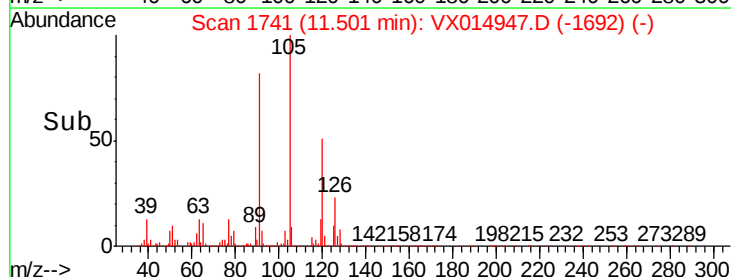
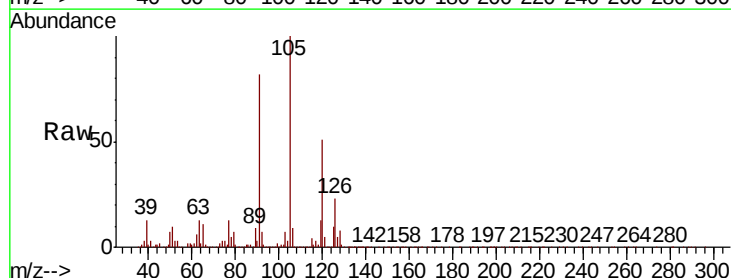
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 712830  
Ion Ratio Lower Upper  
91 100  
126 35.0 18.0 54.0



#80  
1,3,5-Trimethylbenzene  
Concen: 52.121 ug/l  
RT: 11.50 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Tgt Ion: 105 Resp: 900166  
Ion Ratio Lower Upper  
105 100  
120 50.2 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.861 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

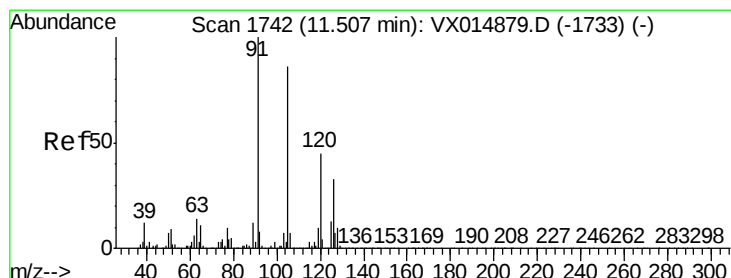
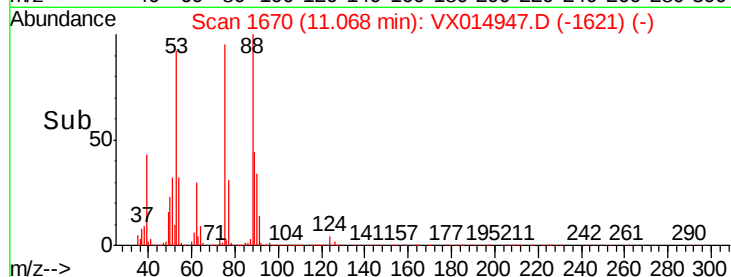
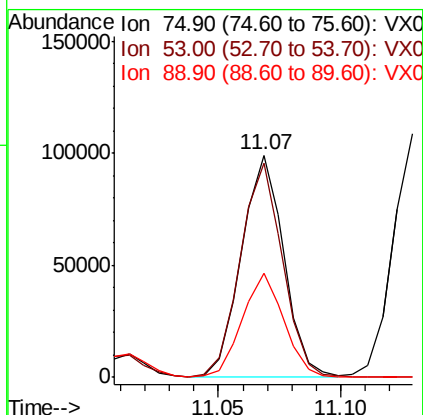
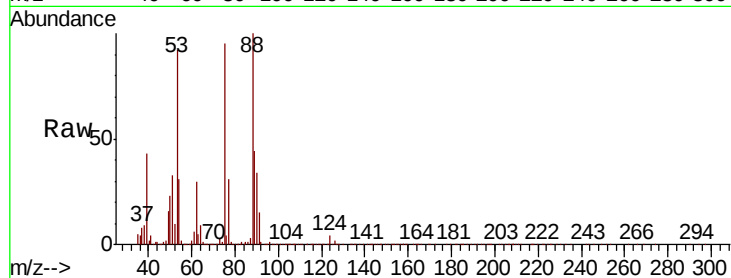
Tot Ion: 75 Resp: 118428

Ion Ratio Lower Upper

75 100

53 96.4 76.2 114.2

89 46.4 35.8 53.6



#82

4-Chlorotoluene

Concen: 50.061 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014947.D

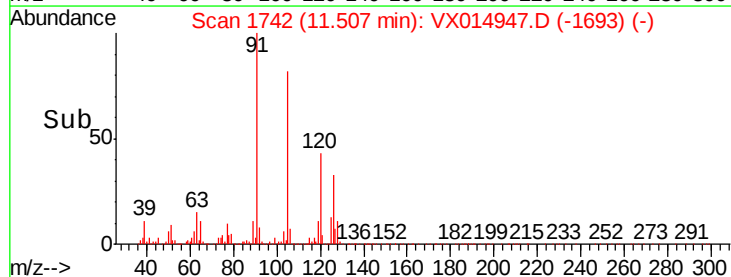
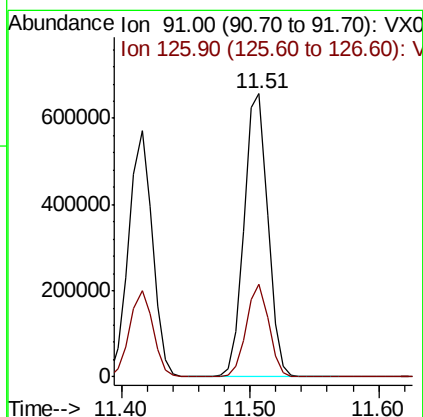
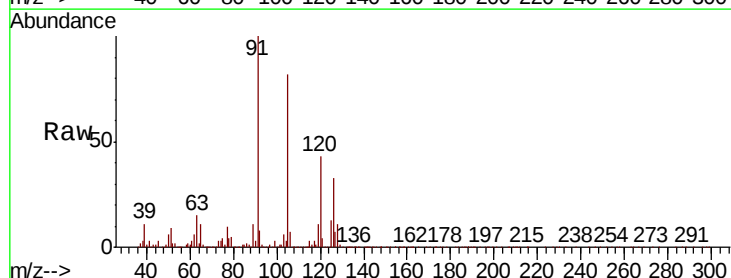
Acq: 18 Feb 2020 09:54

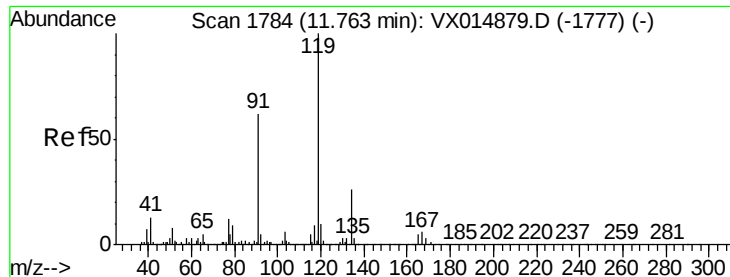
Tgt Ion: 91 Resp: 833196

Ion Ratio Lower Upper

91 100

126 31.0 15.7 47.0





#83

tert-Butylbenzene

Concen: 53.073 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

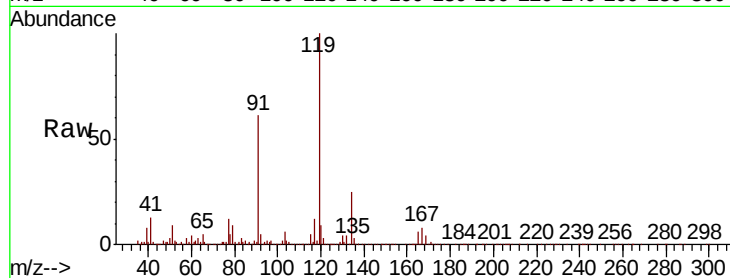
Tot Ion:119 Resp: 867990

Ion Ratio Lower Upper

119 100

91 57.7 29.5 88.6

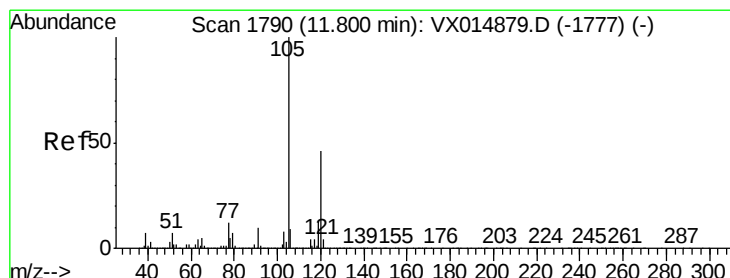
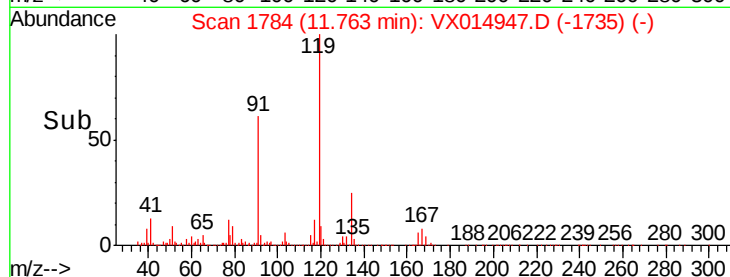
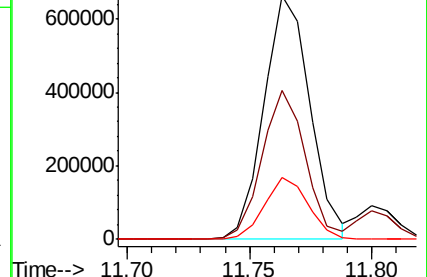
134 24.1 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.441 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX014947.D

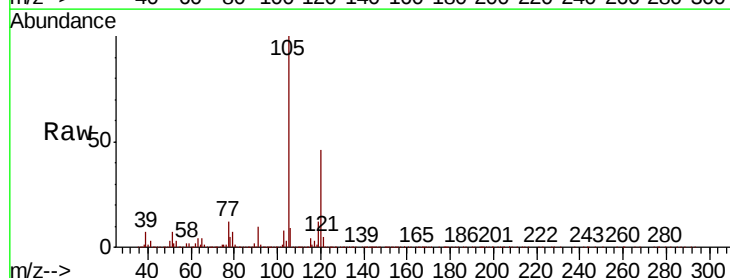
Acq: 18 Feb 2020 09:54

Tgt Ion:105 Resp: 912721

Ion Ratio Lower Upper

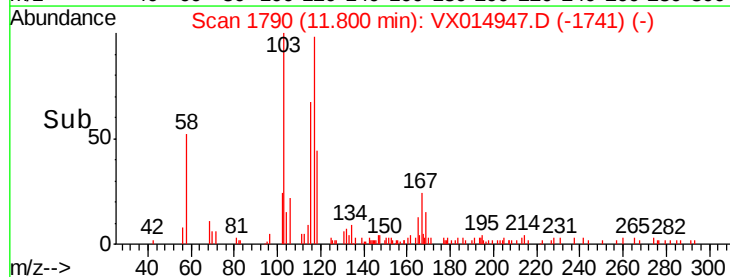
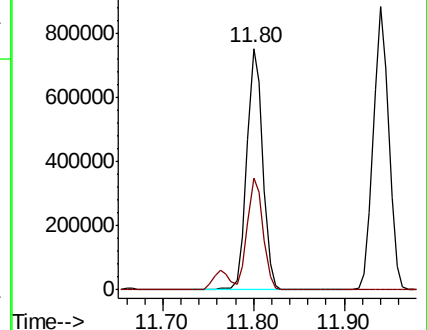
105 100

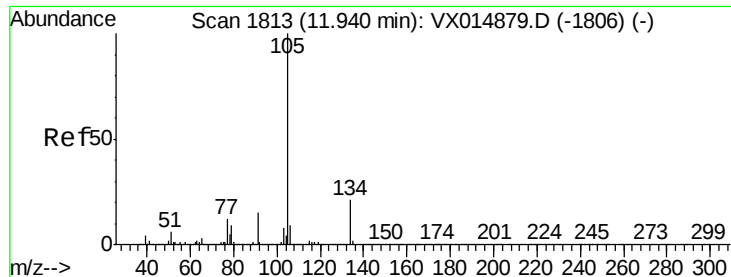
120 45.5 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.618 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

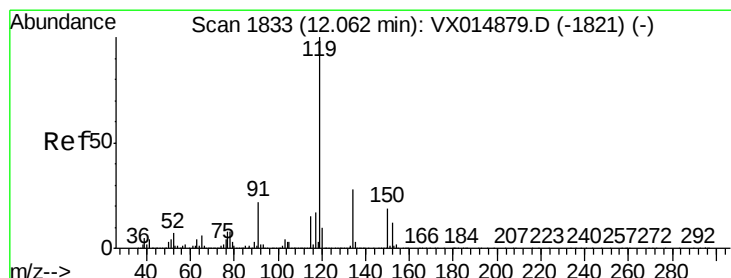
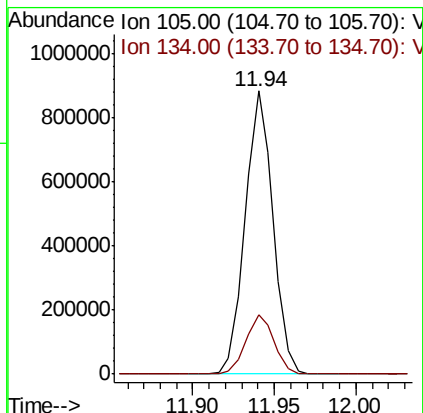
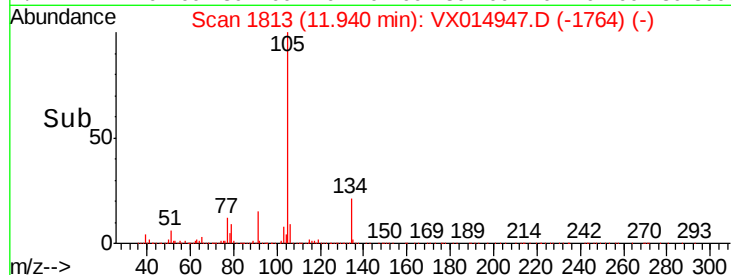
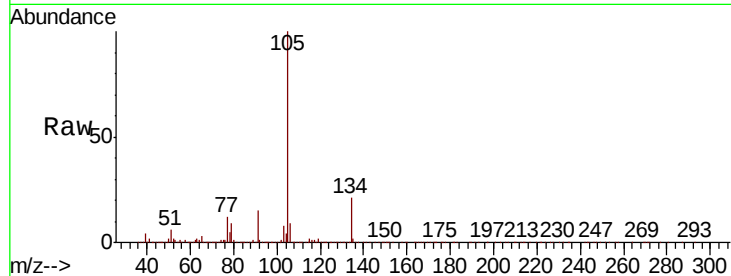
VSTDCCC050

Tot Ion:105 Resp: 1048717

Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8



#86

p-Isopropyltoluene

Concen: 52.198 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

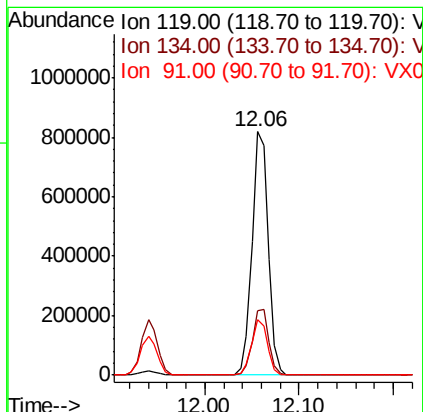
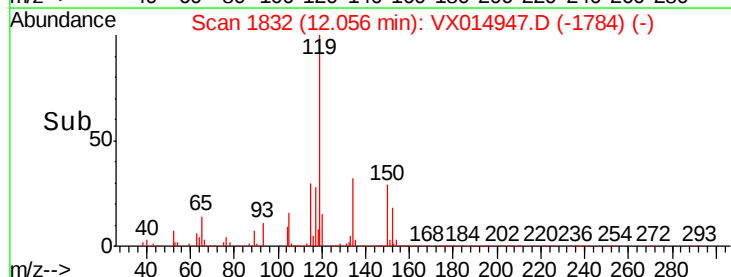
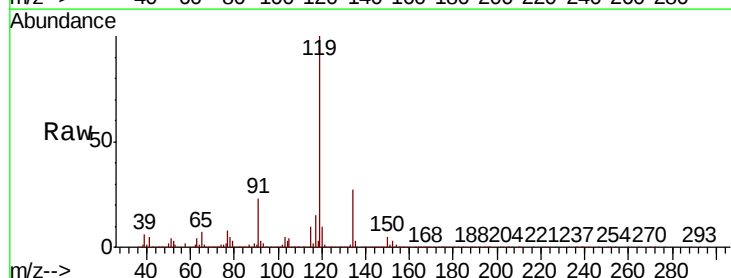
Tgt Ion:119 Resp: 992407

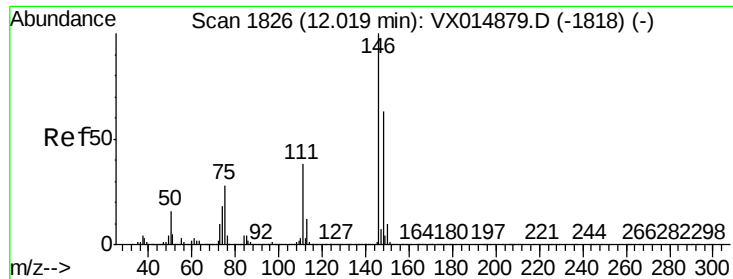
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

91 22.4 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 48.568 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

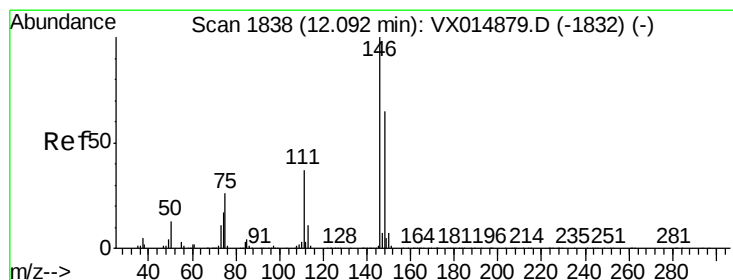
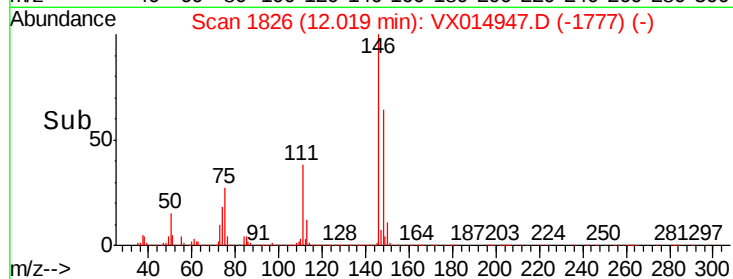
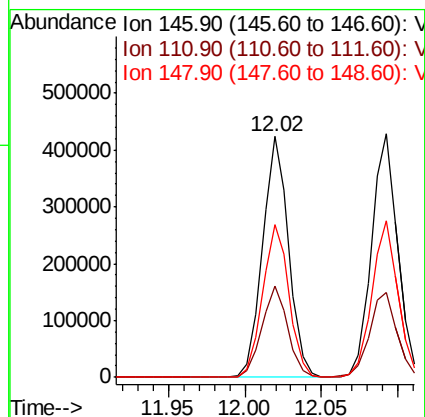
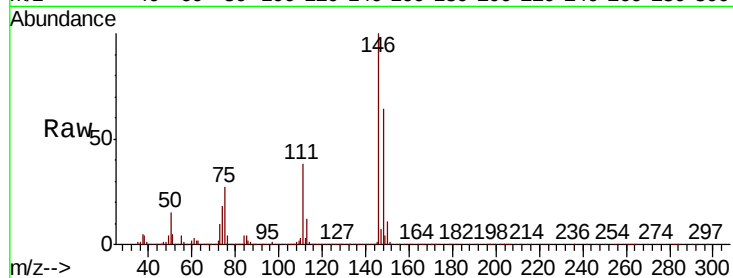
Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion:146 Resp: 502660

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 37.7  | 18.6  | 56.0  |
| 148 | 64.6  | 31.8  | 95.4  |



#88

1,4-Dichlorobenzene

Concen: 48.146 ug/l

RT: 12.09 min Scan# 1838

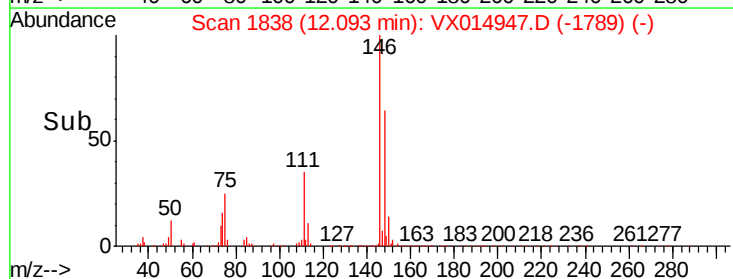
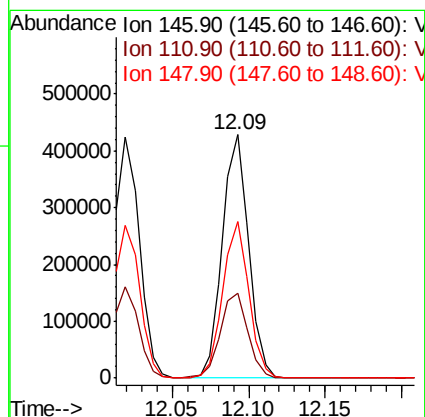
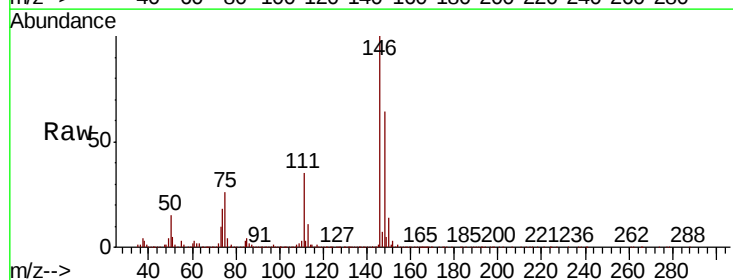
Delta R.T. 0.00 min

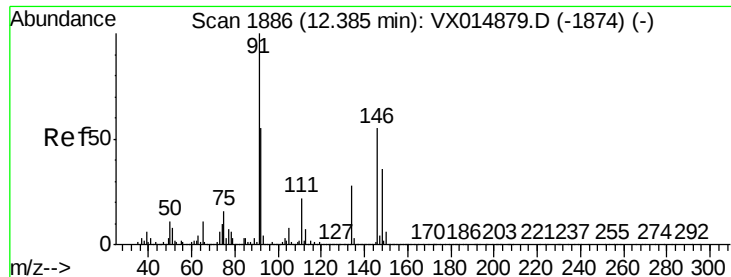
Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Tgt Ion:146 Resp: 508852

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 36.7  | 18.6  | 55.6  |
| 148 | 63.9  | 32.4  | 97.0  |





#89

n-Butylbenzene

Concen: 50.457 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

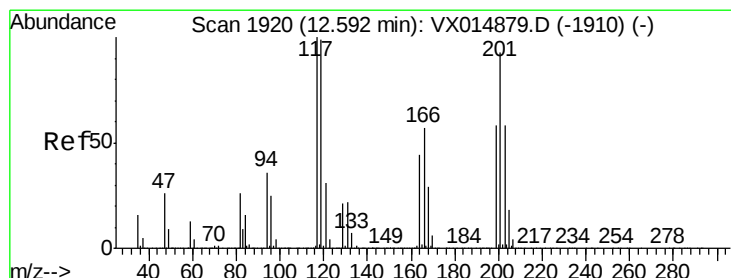
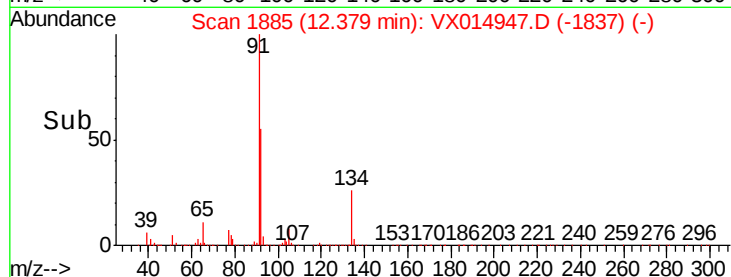
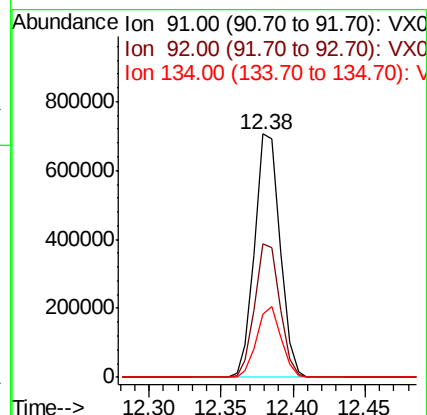
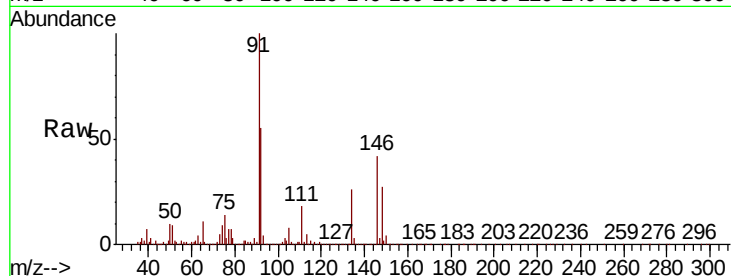
Tot Ion: 91 Resp: 859161

Ion Ratio Lower Upper

91 100

92 54.4 27.3 81.8

134 27.7 13.8 41.4



#90

Hexachloroethane

Concen: 53.405 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX014947.D

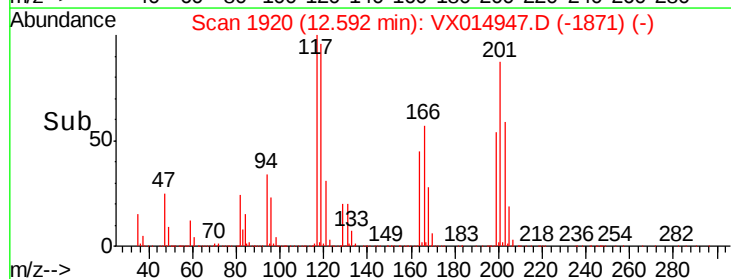
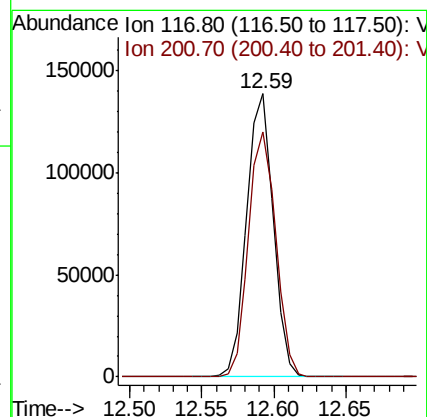
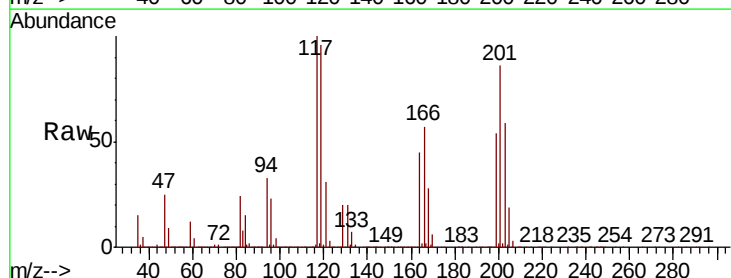
Acq: 18 Feb 2020 09:54

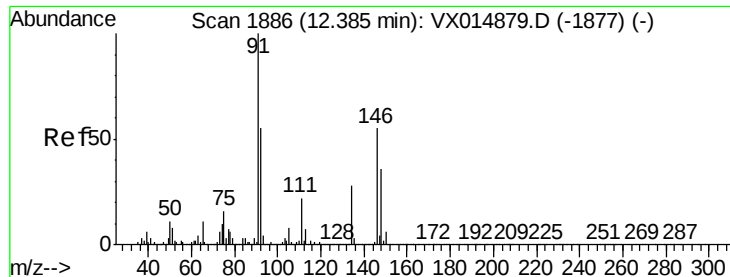
Tgt Ion: 117 Resp: 177317

Ion Ratio Lower Upper

117 100

201 89.2 44.8 134.3





#91

1,2-Dichlorobenzene

Concen: 49.906 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

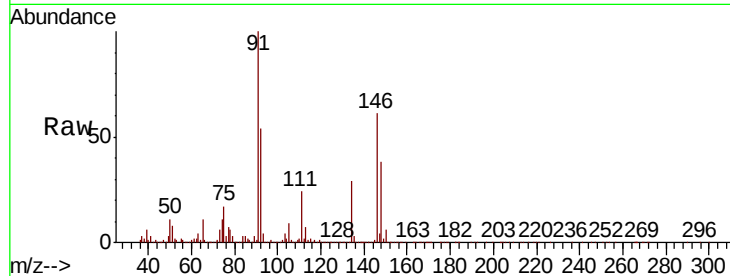
Tot Ion:146 Resp: 506519

Ion Ratio Lower Upper

146 100

111 38.9 19.8 59.3

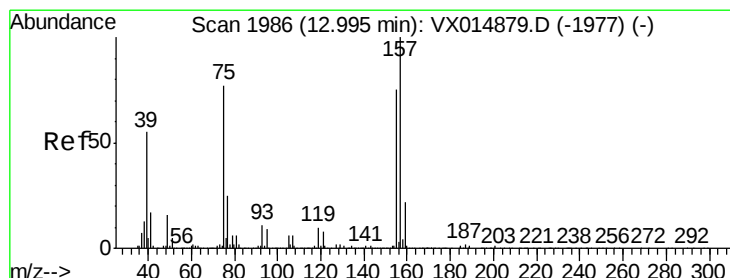
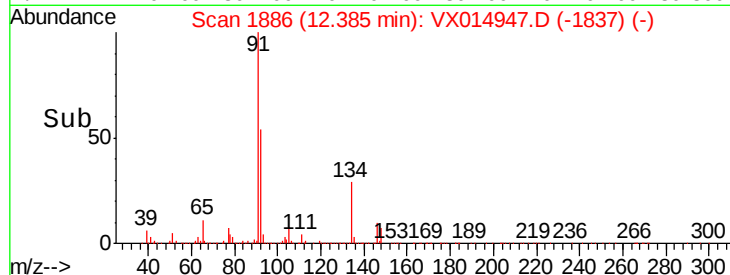
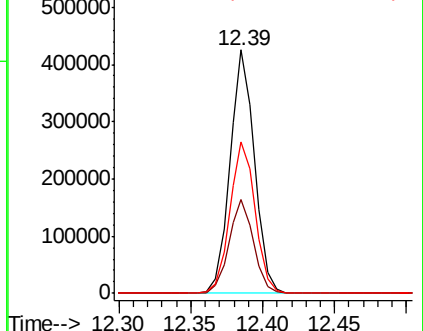
148 64.5 32.4 97.2



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: 47.250 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX014947.D

Acq: 18 Feb 2020 09:54

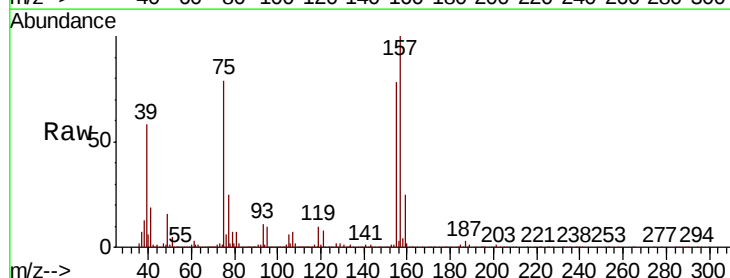
Tgt Ion: 75 Resp: 74899

Ion Ratio Lower Upper

75 100

155 96.7 48.6 145.9

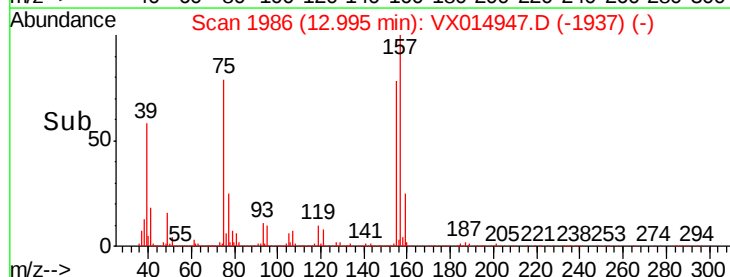
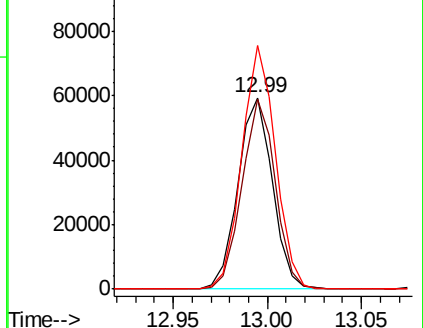
157 124.8 62.0 186.0



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

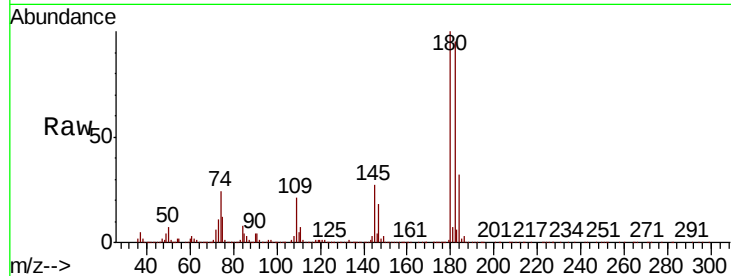




#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.131 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: VX014947.D  
 Acq: 18 Feb 2020 09:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 48.4  | 145.3 |
| 145     | 28.1  | 14.1  | 42.4  |

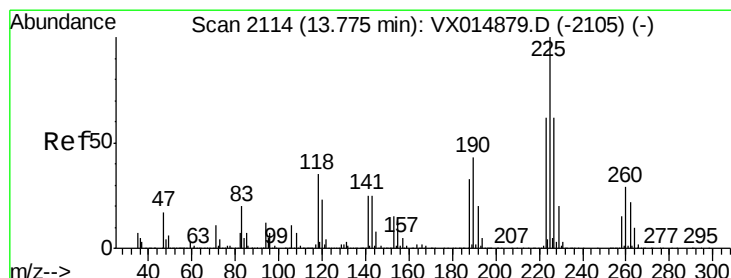
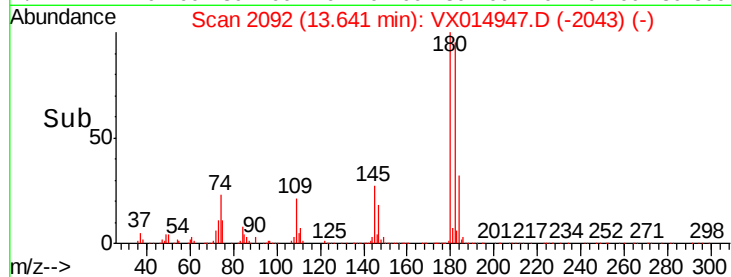
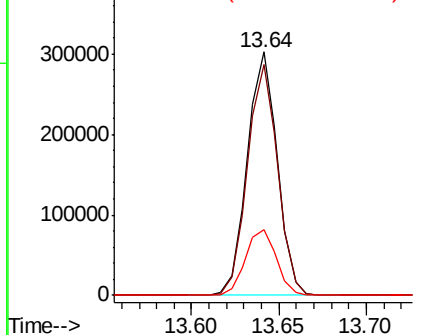


Abundance

Ion 179.80 (179.50 to 180.50): V

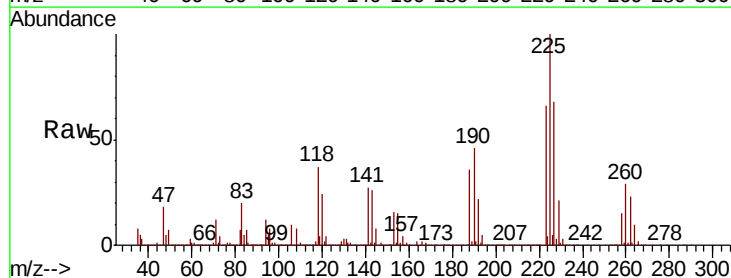
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 49.610 ug/l  
 RT: 13.78 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VX014947.D  
 Acq: 18 Feb 2020 09:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.7  | 31.1  | 93.2  |
| 227     | 65.5  | 30.9  | 92.5  |

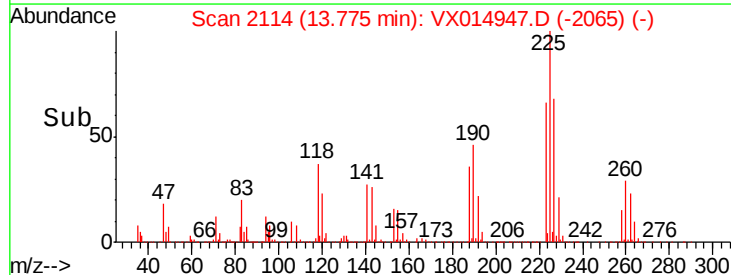
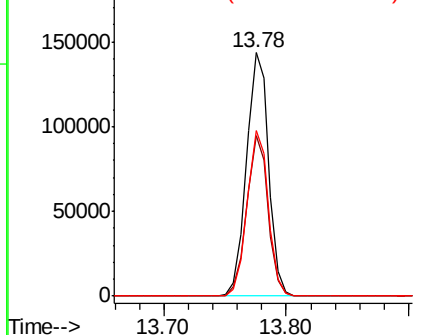


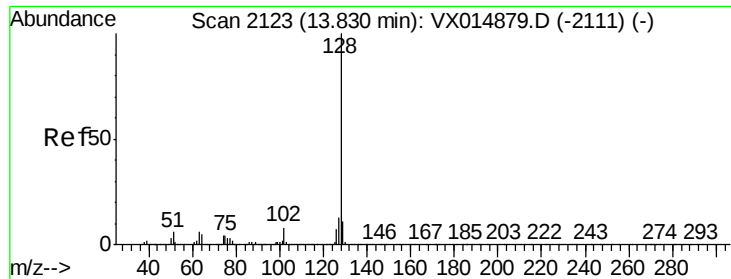
Abundance

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

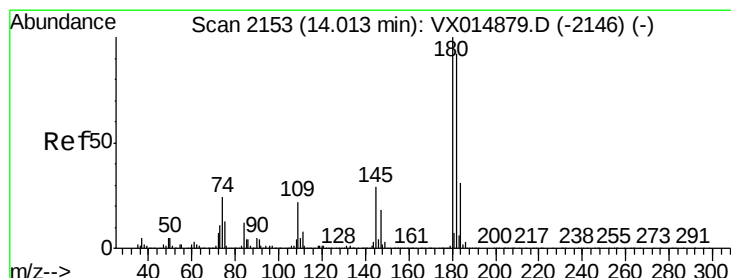
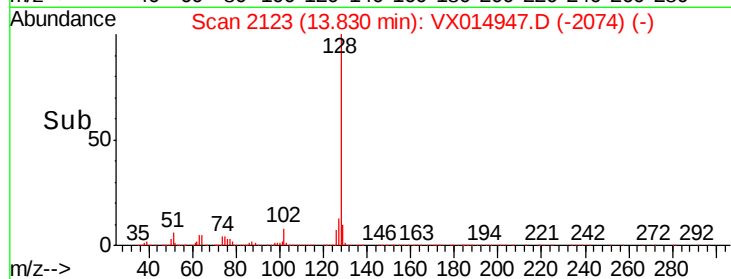
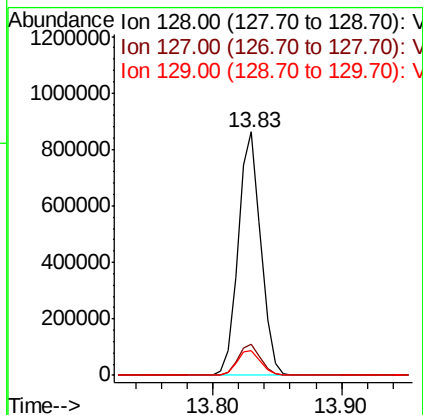
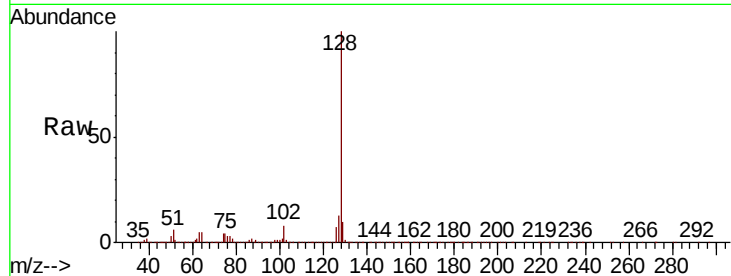




#95  
Naphthalene  
Concen: 52.513 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion:128 Resp: 1045985  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.4 15.6  
129 10.8 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 50.040 ug/l  
RT: 14.01 min Scan# 2153  
Delta R.T. 0.00 min  
Lab File: VX014947.D  
Acq: 18 Feb 2020 09:54

Tgt Ion:180 Resp: 362180  
Ion Ratio Lower Upper  
180 100  
182 95.3 47.5 142.6  
145 30.0 14.5 43.5

