

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\  
 Data File : VX015835.D  
 Acq On : 22 Apr 2020 11:29  
 Operator : JC/SP  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Apr 22 11:53:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 22 11:43:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 964764   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 1462492  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1386890  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 735040   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.04   | 65  | 1132749  | 98.54 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 197.08% |      |
| 35) Dibromofluoromethane  | 5.47   | 113 | 857689   | 92.76 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 185.52% |      |
| 50) Toluene-d8            | 8.70   | 98  | 3433692  | 97.59 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 195.18% |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 1424129  | 92.45 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 184.90% |      |

## Target Compounds

|                               |      |     |          |         |        | Qvalue |
|-------------------------------|------|-----|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 913187   | 117.083 | ug/l   | 99     |
| 3) Chloromethane              | 1.31 | 50  | 884197   | 107.027 | ug/l   | 97     |
| 4) Vinyl Chloride             | 1.39 | 62  | 972810   | 99.932  | ug/l   | 99     |
| 5) Bromomethane               | 1.62 | 94  | 259968   | 66.269  | ug/l   | 96     |
| 6) Chloroethane               | 1.70 | 64  | 552593   | 98.982  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 1.91 | 101 | 1203930  | 98.064  | ug/l   | 100    |
| 8) Diethyl Ether              | 2.17 | 74  | 478752   | 96.539  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.36 | 101 | 802483   | 96.496  | ug/l   | 99     |
| 10) Methyl Iodide             | 2.49 | 142 | 1077636  | 112.960 | ug/l   | 100    |
| 11) Tert butyl alcohol        | 3.03 | 59  | 1178957  | 542.701 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 835521   | 99.004  | ug/l   | 96     |
| 13) Acrolein                  | 2.28 | 56  | 651146   | 488.843 | ug/l   | 99     |
| 14) Allyl chloride            | 2.71 | 41  | 1796228  | 99.392  | ug/l   | 99     |
| 15) Acrylonitrile             | 3.12 | 53  | 2677586  | 521.212 | ug/l   | 100    |
| 16) Acetone                   | 2.42 | 43  | 2218127  | 447.607 | ug/l   | 100    |
| 17) Carbon Disulfide          | 2.55 | 76  | 2347817  | 68.657  | ug/l   | 100    |
| 18) Methyl Acetate            | 2.75 | 43  | 1582236  | 100.626 | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 2995683  | 100.951 | ug/l   | 99     |
| 20) Methylene Chloride        | 2.83 | 84  | 932047   | 94.793  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 915721   | 96.815  | ug/l   | 97     |
| 22) Diisopropyl ether         | 3.83 | 45  | 3176639  | 97.655  | ug/l   | 90     |
| 23) Vinyl Acetate             | 3.79 | 43  | 13103867 | 481.831 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 1688949  | 100.728 | ug/l   | 100    |
| 25) 2-Butanone                | 4.64 | 43  | 3842199  | 512.843 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 4.56 | 77  | 1498458  | 99.457  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 4.57 | 96  | 1063275  | 100.455 | ug/l   | 99     |
| 28) Bromochloromethane        | 4.98 | 49  | 834358   | 91.614  | ug/l # | 99     |
| 29) Tetrahydrofuran           | 5.09 | 42  | 2531358  | 508.729 | ug/l   | 100    |
| 30) Chloroform                | 5.18 | 83  | 1668688  | 97.698  | ug/l   | 97     |
| 31) Cyclohexane               | 5.55 | 56  | 1597526  | 97.989  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 5.47 | 97  | 1516469  | 100.600 | ug/l   | 100    |
| 36) 1,1-Dichloropropene       | 5.78 | 75  | 1303873  | 101.576 | ug/l   | 100    |
| 37) Ethyl Acetate             | 4.80 | 43  | 1539564  | 99.733  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 5.76 | 117 | 1318849  | 105.763 | ug/l   | 98     |

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 Operator : JC/SP  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Apr 22 11:53:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 22 11:43:26 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 1598453  | 96.658   | ug/l   | 99       |
| 40) Benzene                    | 6.12  | 78   | 3816657  | 97.092   | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.01  | 41   | 883520   | 121.215  | ug/l   | 100      |
| 42) 1,2-Dichloroethane         | 6.17  | 62   | 1371967  | 97.091   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.42  | 43   | 2612894  | 100.850  | ug/l   | 99       |
| 44) Trichloroethene            | 7.19  | 130  | 1346253  | 97.985   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.50  | 63   | 1017337  | 99.624   | ug/l   | 99       |
| 46) Dibromomethane             | 7.64  | 93   | 700748   | 91.166   | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.88  | 83   | 1364580  | 104.924  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.75  | 41   | 1314044  | 104.160  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 7.72  | 88   | 478098   | 1951.718 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 7558288  | 503.229  | ug/l   | 99       |
| 52) Toluene                    | 8.77  | 92   | 2443251  | 96.856   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 1695061  | 104.616  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 1764467  | 102.168  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 974970   | 100.274  | ug/l   | 100      |
| 56) Ethyl methacrylate         | 9.16  | 69   | 1684116  | 103.331  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.36  | 76   | 1697982  | 100.300  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 4173154  | 507.282  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 5850908  | 516.464  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 1096487  | 115.291  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 1067440  | 98.331   | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.32  | 164  | 1710029  | 87.993   | ug/l   | 92       |
| 65) Chlorobenzene              | 10.12 | 112  | 2733754  | 97.607   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 1046366  | 101.852  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.24 | 91   | 4700189  | 94.884   | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.34 | 106  | 3577754  | 193.241  | ug/l   | 97       |
| 69) o-Xylene                   | 10.68 | 106  | 1756914  | 96.672   | ug/l   | 98       |
| 70) Styrene                    | 10.70 | 104  | 3104027  | 99.356   | ug/l   | 100      |
| 71) Bromoform                  | 10.84 | 173  | 802830   | 135.778  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.00 | 105  | 4700601  | 100.041  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.89 | 43   | 2439041  | 101.858  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 1037806  | 107.186  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 1920505  | 113.231  | ug/l   | 83       |
| 77) Bromobenzene               | 11.24 | 156  | 1270983  | 99.807   | ug/l   | 97       |
| 78) n-propylbenzene            | 11.35 | 91   | 5324758  | 98.816   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.41 | 91   | 3216237  | 100.253  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 4025487  | 101.381  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 617555   | 113.947  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 3831875  | 100.167  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 3561393  | 100.855  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 4156035  | 100.659  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 4703088  | 100.822  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 4390937  | 101.120  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 2345229  | 100.045  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 2309011  | 98.842   | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.37 | 91   | 3922476  | 101.357  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.58 | 117  | 585770   | 153.029  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 2257068  | 102.120  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 315313   | 113.388  | ug/l   | 98       |

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Operator : JC/SP  
Sample : VSTDICC100  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 6 Sample Multiplier: 1

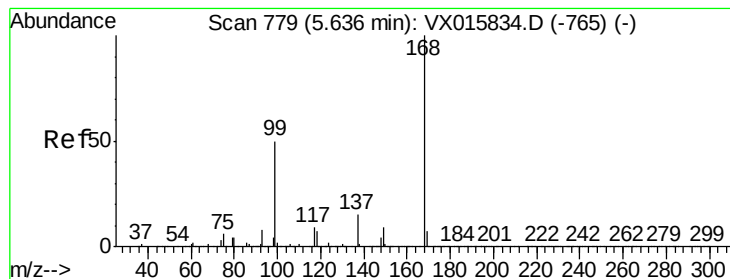
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Quant Time: Apr 22 11:53:11 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 22 11:43:26 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 1783520  | 102.191 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 805982   | 103.800 | ug/l  | 97       |
| 95) Naphthalene            | 13.82 | 128  | 5127964  | 102.399 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 1762783  | 104.448 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

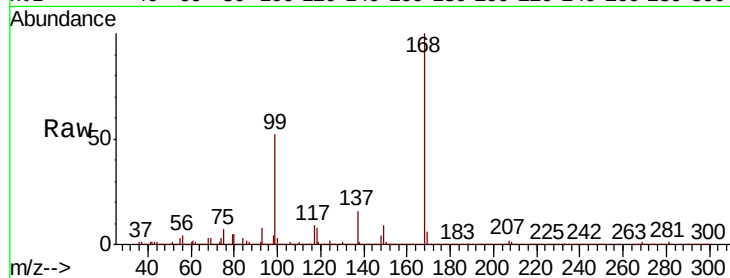
VSTDIC100

Tot Ion:168 Resp: 964764

Ion Ratio Lower Upper

168 100

99 51.8 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

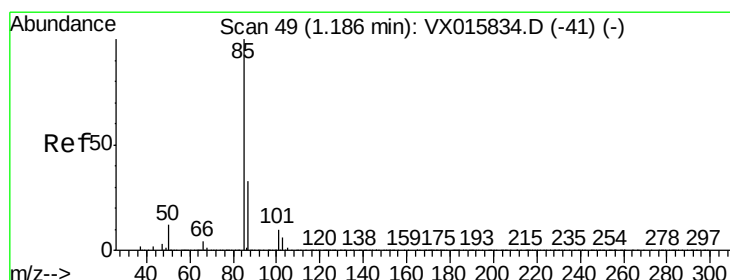
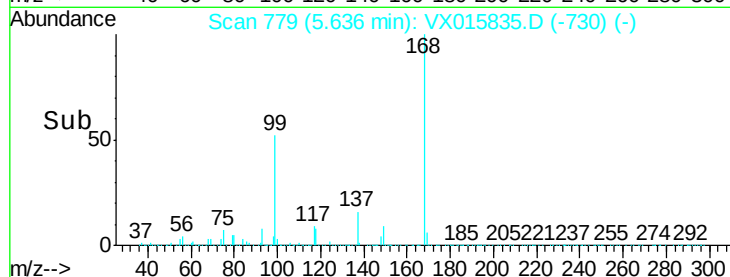
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 117.083 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX015835.D

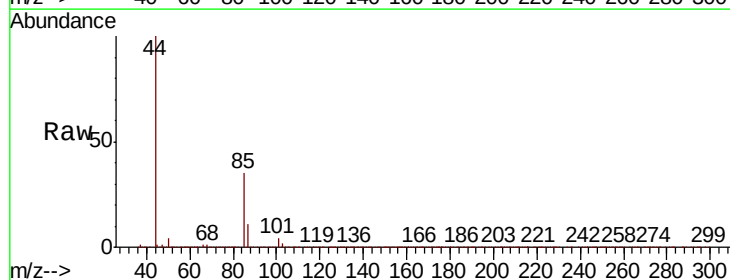
Acq: 22 Apr 2020 11:29

Tgt Ion: 85 Resp: 913187

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

1000000

800000

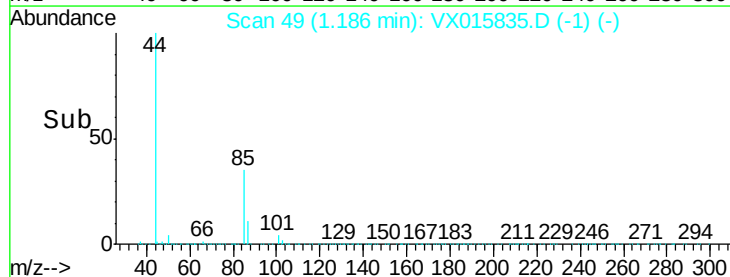
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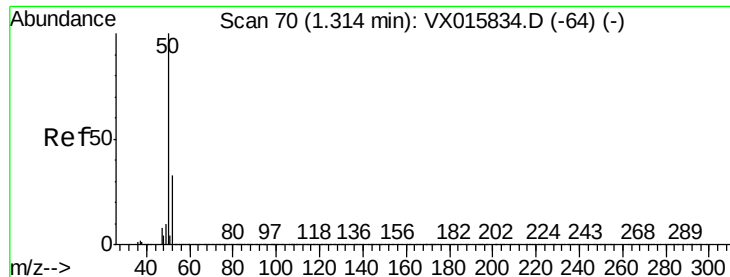
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200000

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Time-->





#3

Chloromethane

Concen: 107.027 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampled :

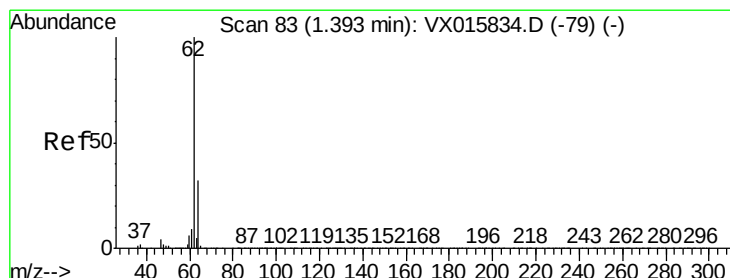
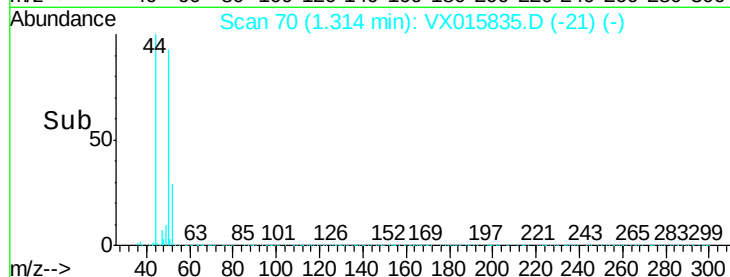
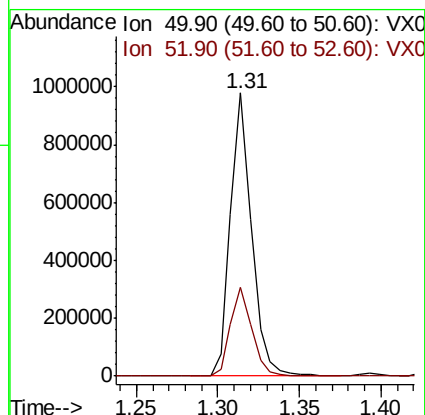
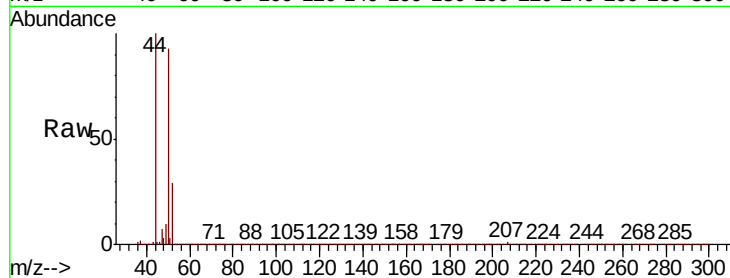
VSTDICC100

Tot Ion: 50 Resp: 884197

Ion Ratio Lower Upper

50 100

52 31.3 26.2 39.4



#4

Vinyl Chloride

Concen: 99.932 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015835.D

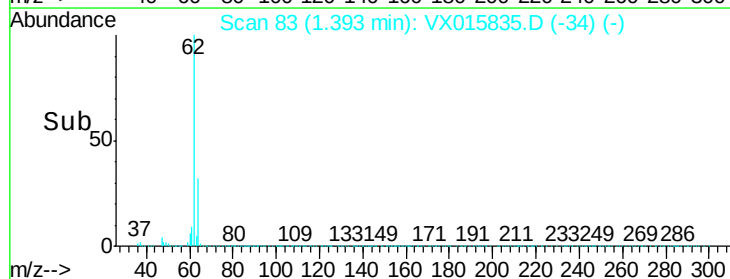
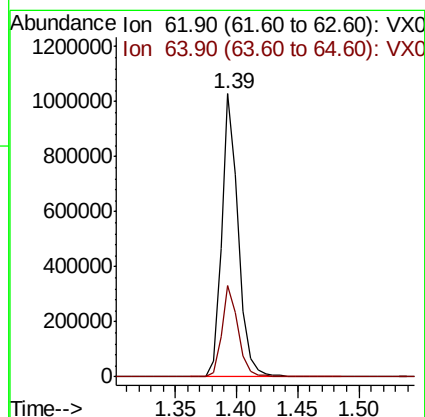
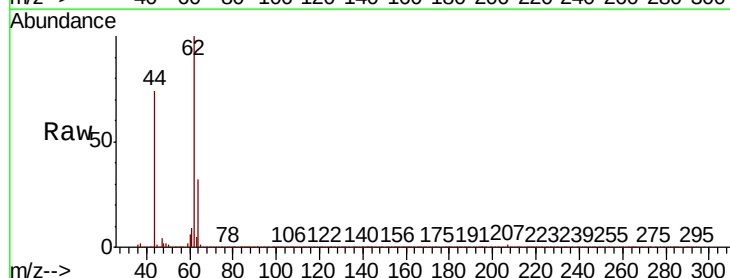
Acq: 22 Apr 2020 11:29

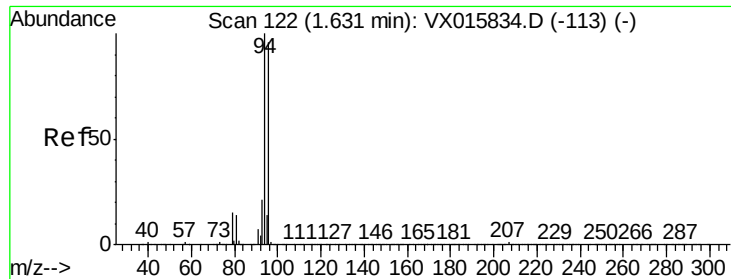
Tgt Ion: 62 Resp: 972810

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 66.269 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

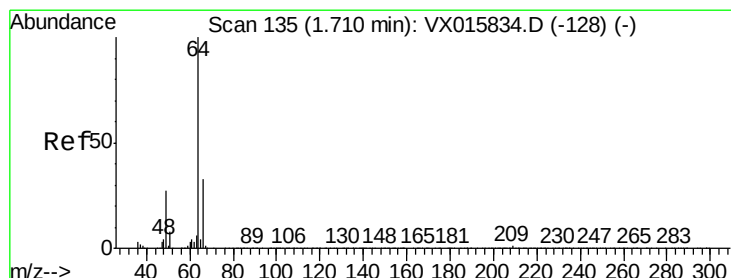
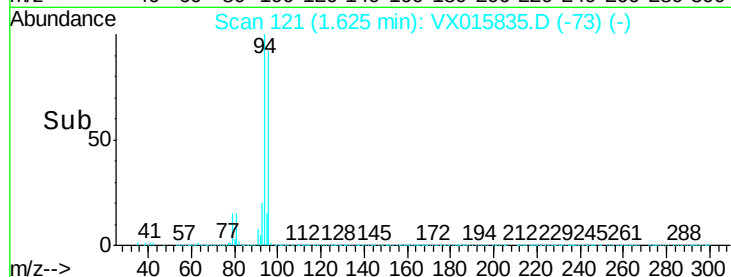
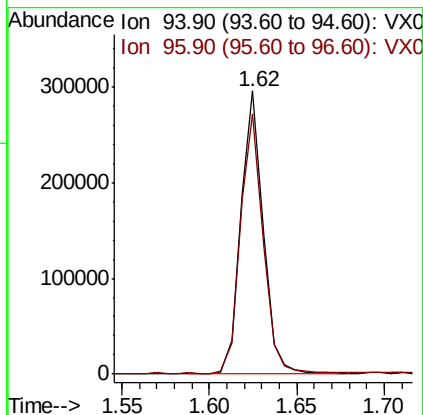
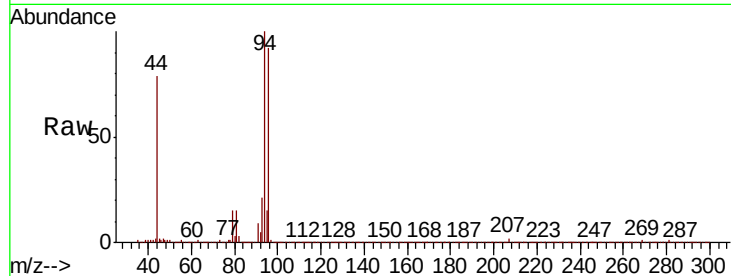
VSTDIC100

Tot Ion: 94 Resp: 259968

Ion Ratio Lower Upper

94 100

96 91.8 76.7 115.1



#6

Chloroethane

Concen: 98.982 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX015835.D

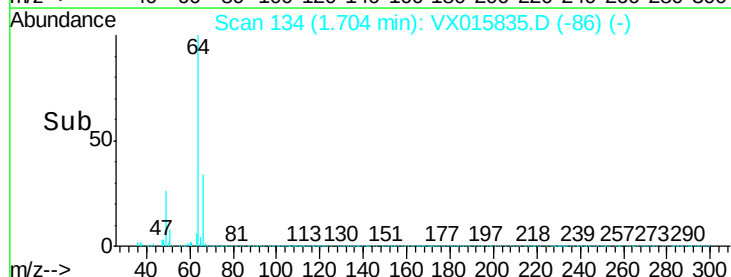
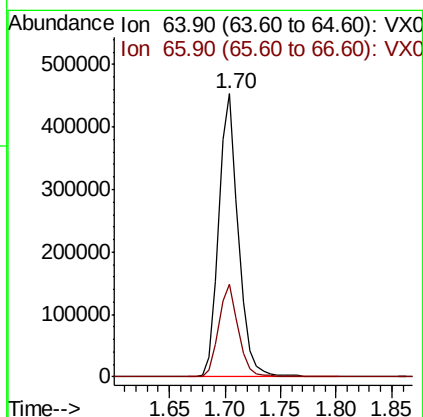
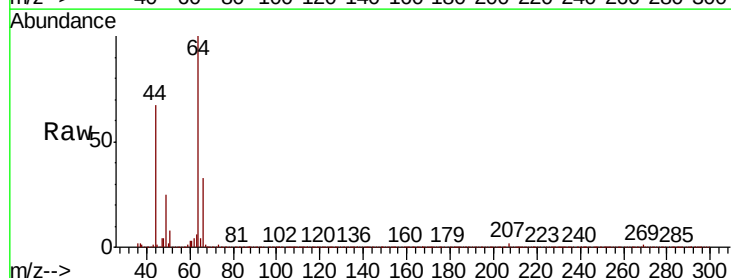
Acq: 22 Apr 2020 11:29

Tgt Ion: 64 Resp: 552593

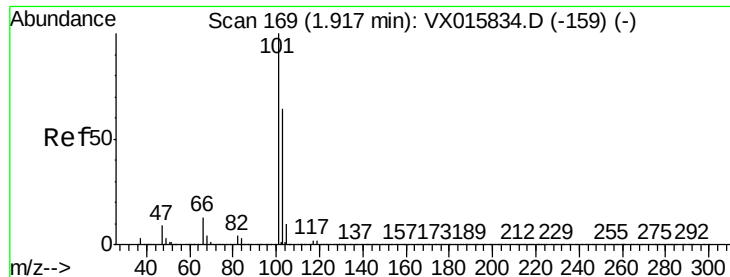
Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.2





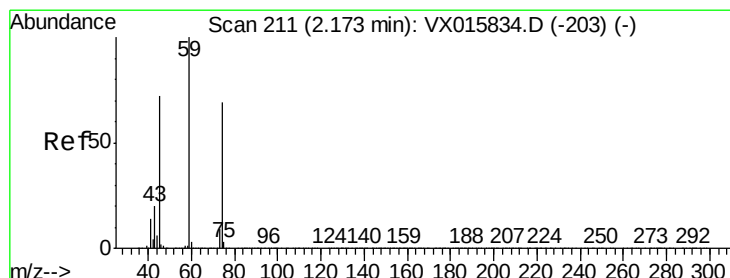
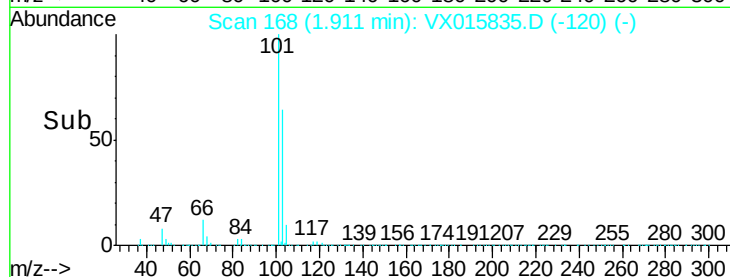
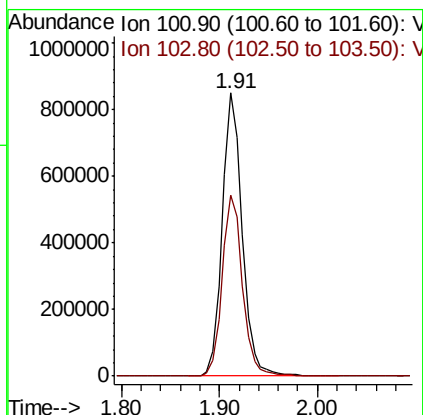
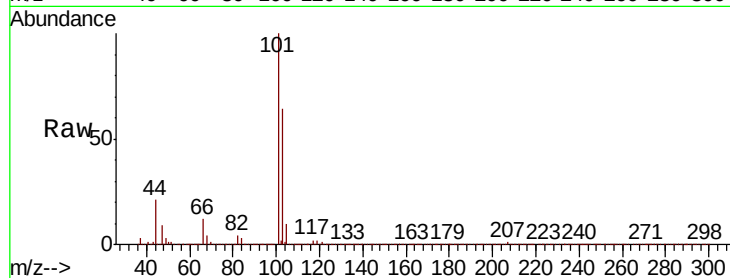


#7

Trichlorofluoromethane  
Concen: 98.064 ug/l  
RT: 1.91 min Scan# 168  
Delta R.T. -0.01 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

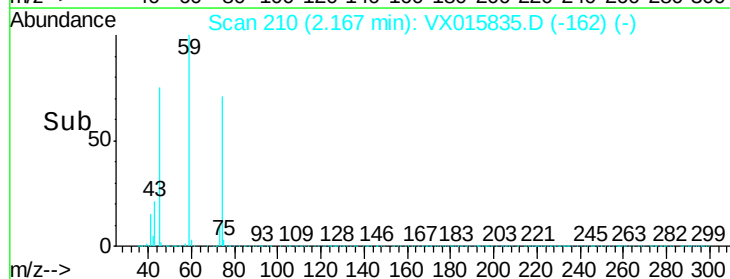
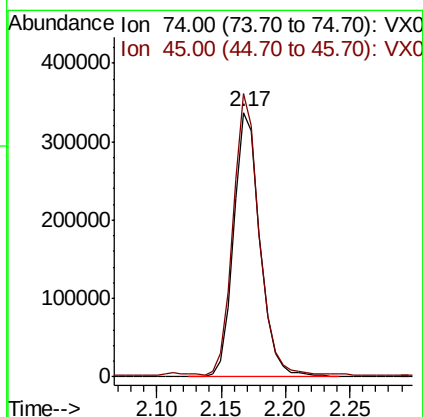
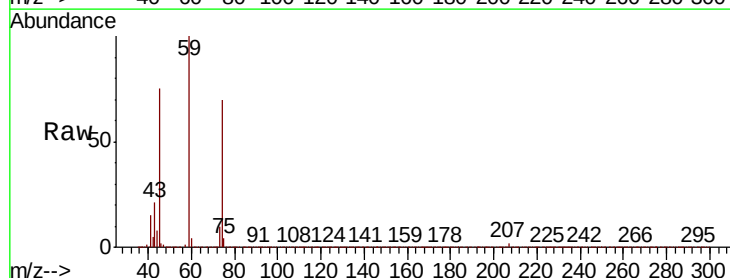
Tot Ion:101 Resp: 1203930  
Ion Ratio Lower Upper  
101 100  
103 63.8 51.4 77.0



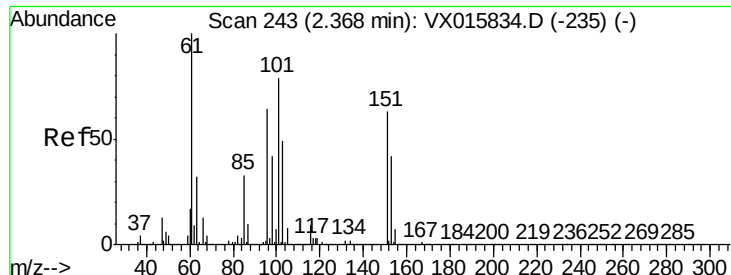
#8

Diethyl Ether  
Concen: 96.539 ug/l  
RT: 2.17 min Scan# 210  
Delta R.T. -0.01 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Tgt Ion: 74 Resp: 478752  
Ion Ratio Lower Upper  
74 100  
45 106.2 53.8 161.4







#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.496 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

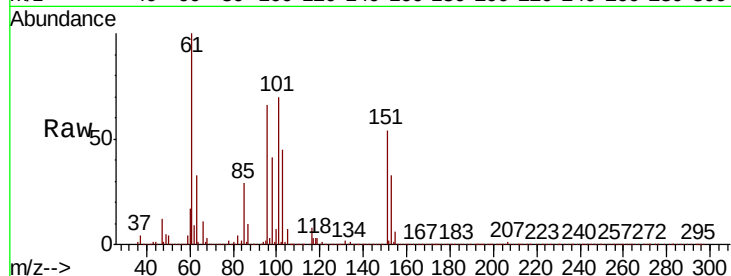
Tot Ion:101 Resp: 802483

Ion Ratio Lower Upper

101 100

85 42.0 33.8 50.6

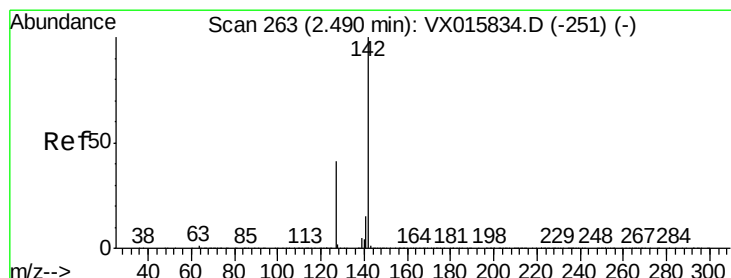
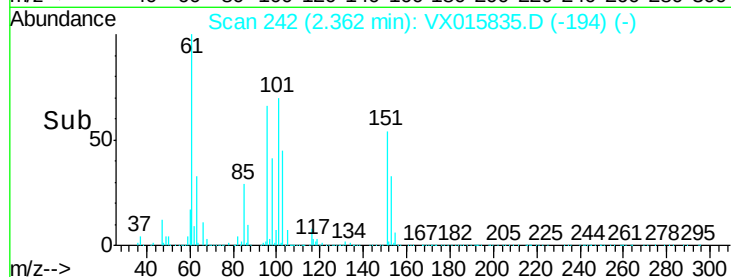
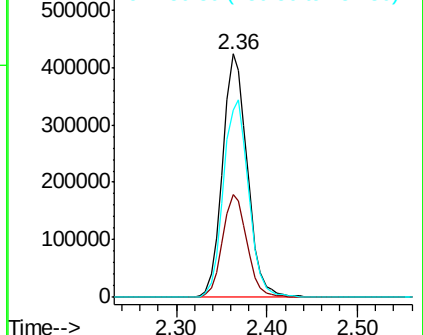
151 83.3 67.8 101.6



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: 112.960 ug/l

RT: 2.49 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

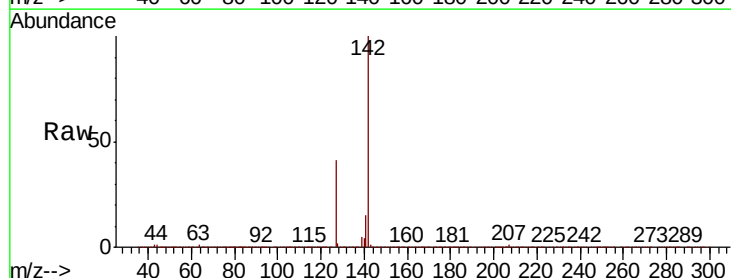
Tgt Ion:142 Resp: 1077636

Ion Ratio Lower Upper

142 100

127 41.5 33.3 49.9

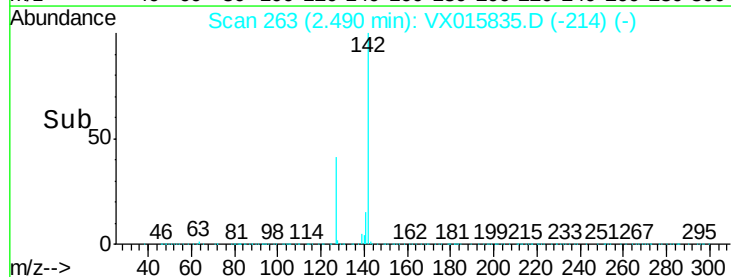
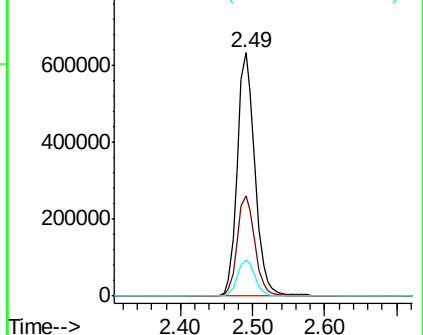
141 15.0 11.8 17.6

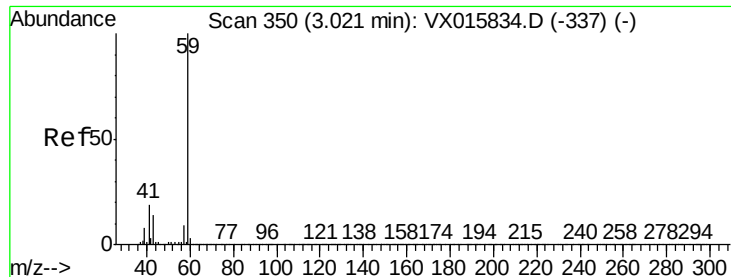


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



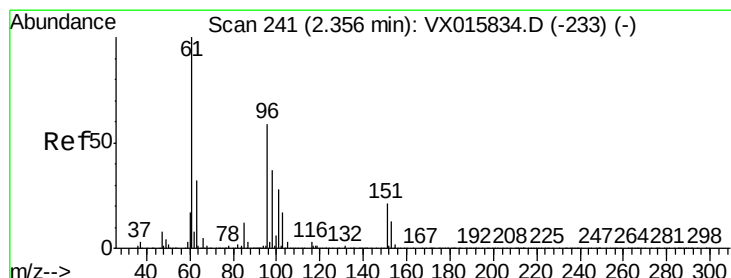
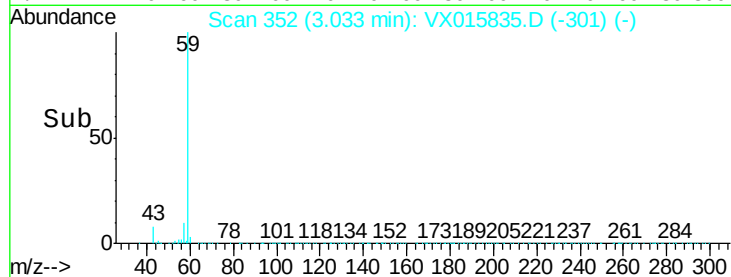
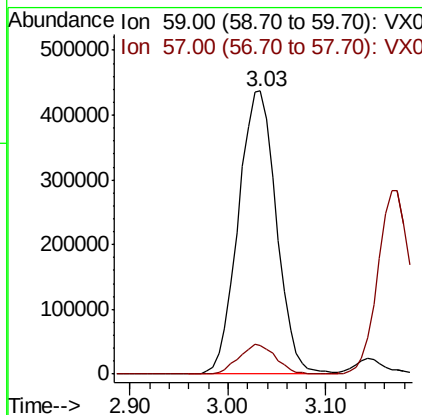
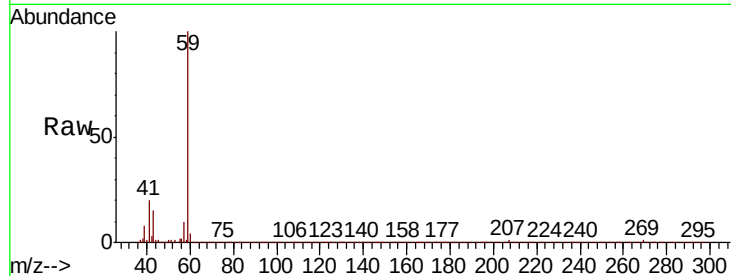


#11

Tert butyl alcohol  
Concen: 542.701 ug/l  
RT: 3.03 min Scan# 352  
Delta R.T. 0.01 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

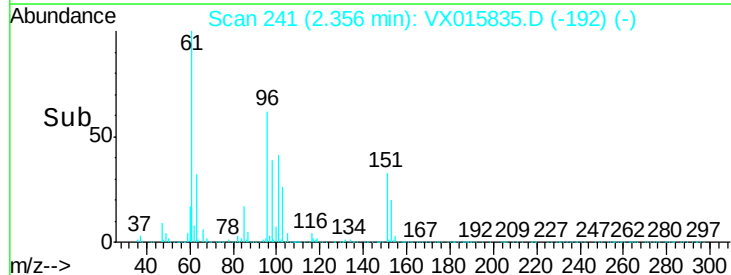
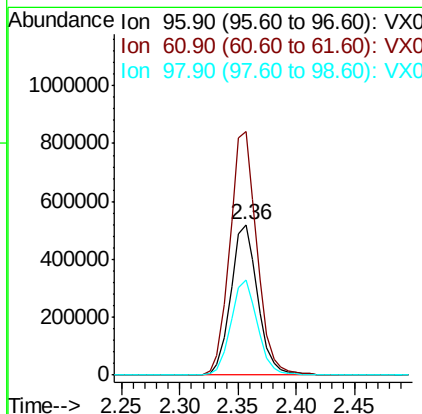
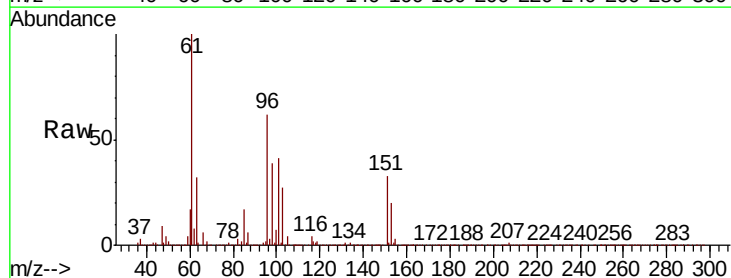
Tot Ion: 59 Resp: 1178957  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.2 12.2

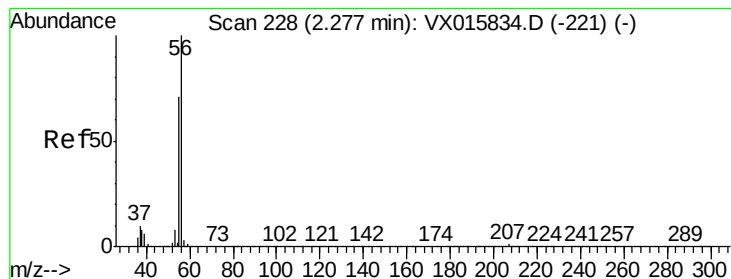


#12

1,1-Dichloroethene  
Concen: 99.004 ug/l  
RT: 2.36 min Scan# 241  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Tgt Ion: 96 Resp: 835521  
Ion Ratio Lower Upper  
96 100  
61 162.1 135.0 202.6  
98 63.7 50.6 76.0





#13

Acrolein

Concen: 488.843 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

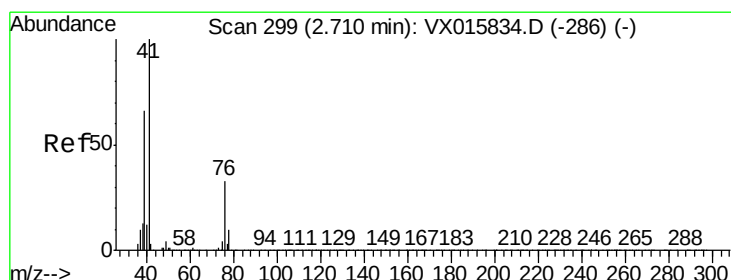
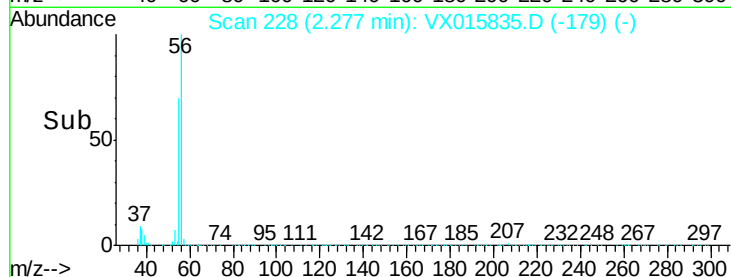
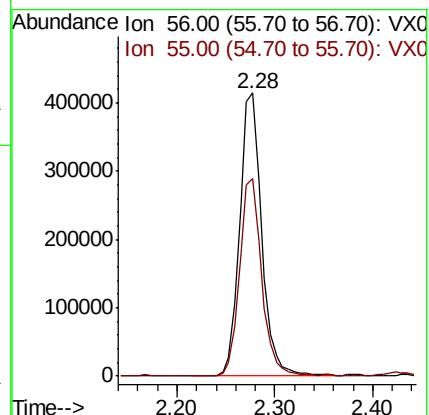
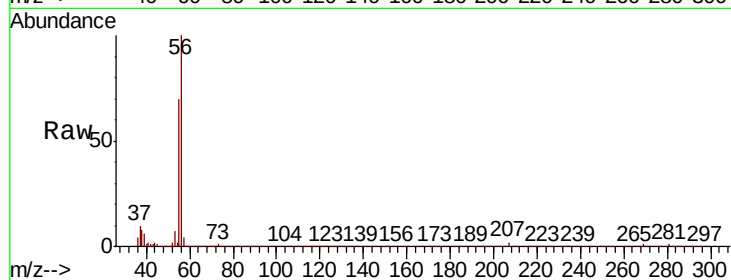
VSTDIC100

Tot Ion: 56 Resp: 651146

Ion Ratio Lower Upper

56 100

55 69.1 56.1 84.1



#14

Allyl chloride

Concen: 99.392 ug/l

RT: 2.71 min Scan# 299

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

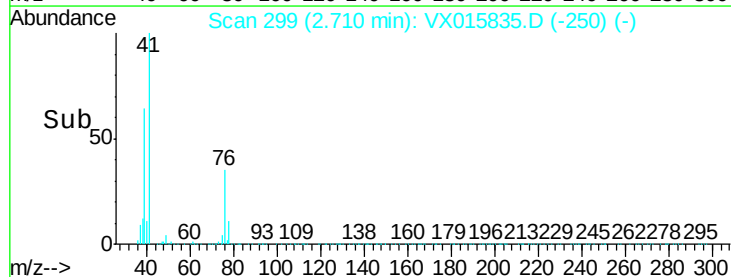
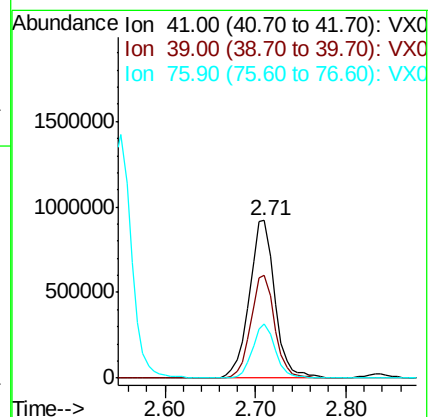
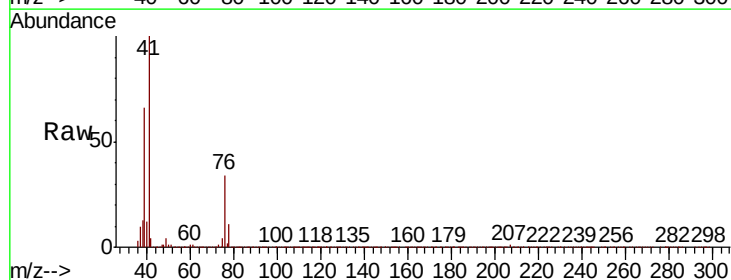
Tgt Ion: 41 Resp: 1796228

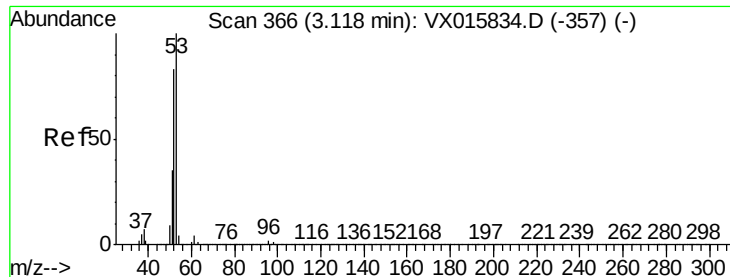
Ion Ratio Lower Upper

41 100

39 61.1 48.4 72.6

76 30.5 23.8 35.8





#15

Acrylonitrile

Concen: 521.212 ug/l

RT: 3.12 min Scan# 366

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

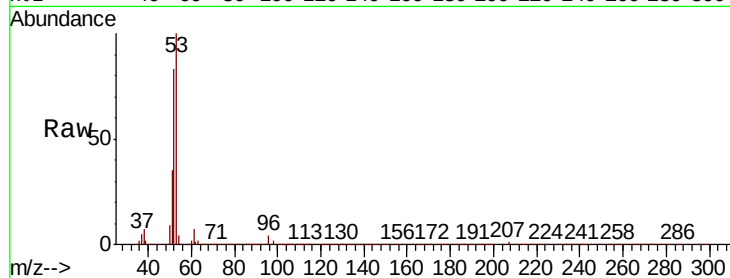
MSVOA\_X

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 2677586

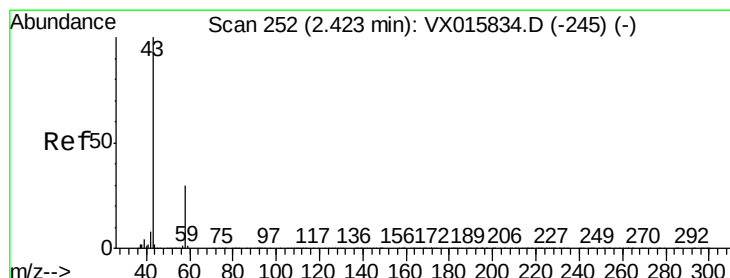
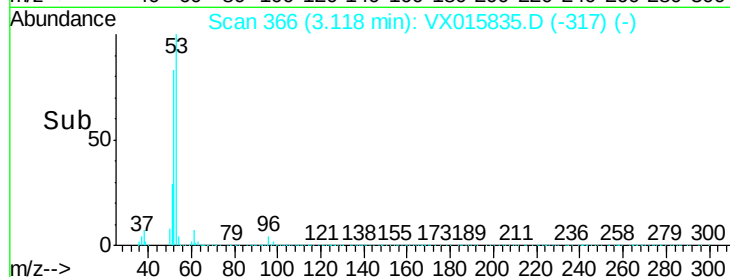
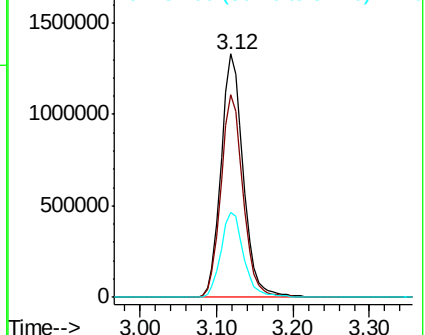
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 82.7  | 66.2  | 99.4  |
| 51  | 35.9  | 28.6  | 43.0  |



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 447.607 ug/l

RT: 2.42 min Scan# 252

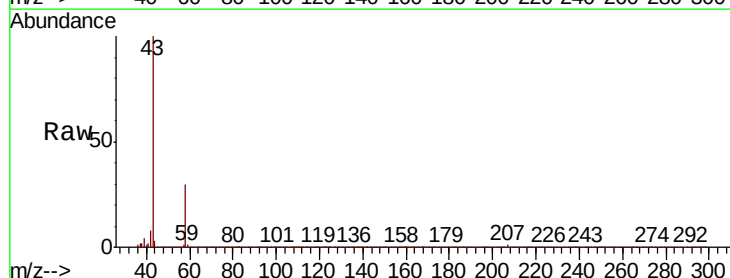
Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

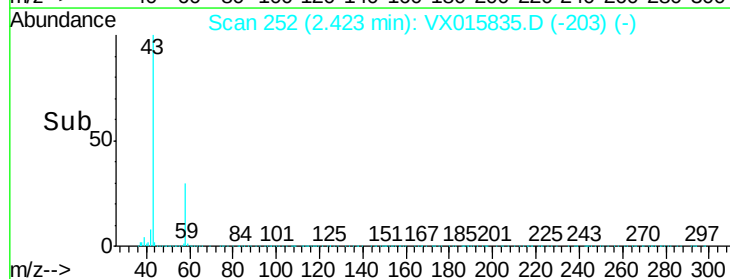
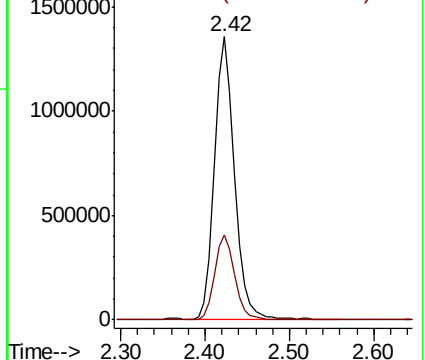
Tgt Ion: 43 Resp: 2218127

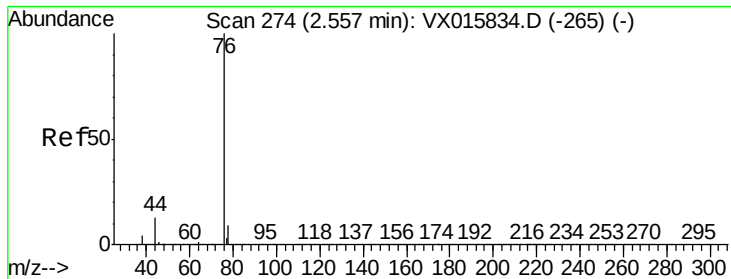
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 29.8  | 24.0  | 36.0  |



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 68.657 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

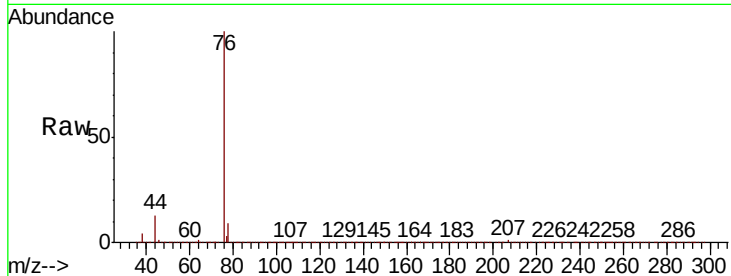
VSTDIC100

Tot Ion: 76 Resp: 2347817

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

1500000

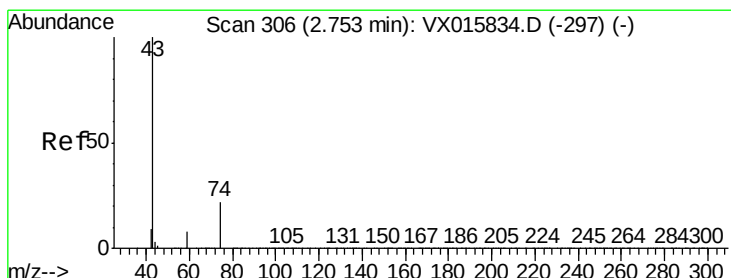
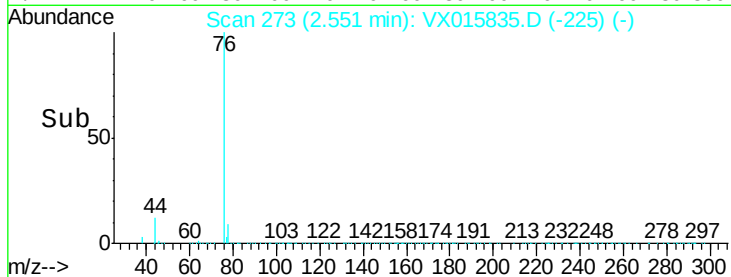
1000000

500000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 100.626 ug/l

RT: 2.75 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX015835.D

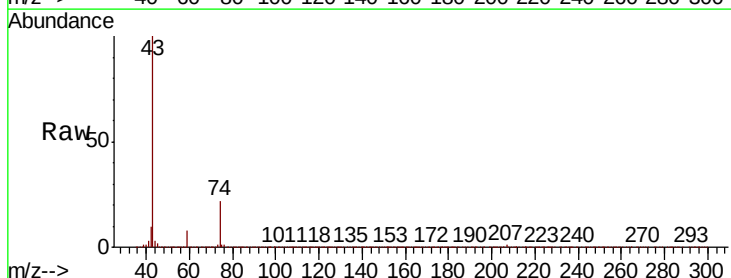
Acq: 22 Apr 2020 11:29

Tgt Ion: 43 Resp: 1582236

Ion Ratio Lower Upper

43 100

74 21.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

1000000

800000

600000

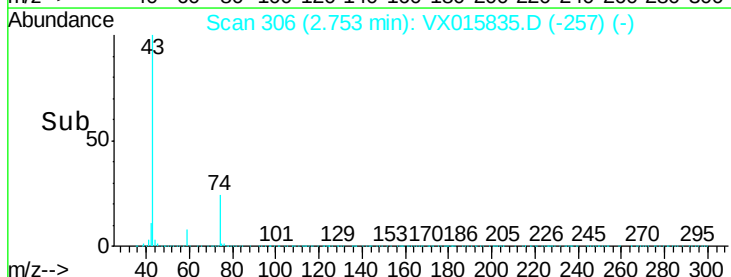
400000

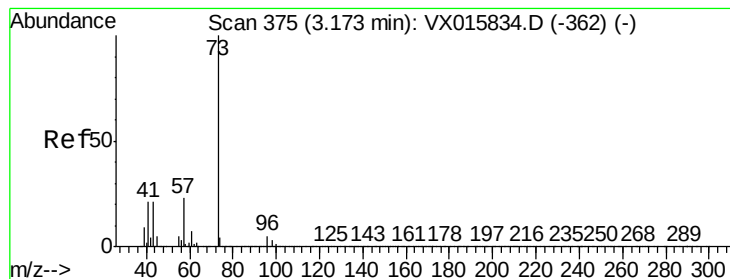
200000

0

2.70 2.80

Time-->



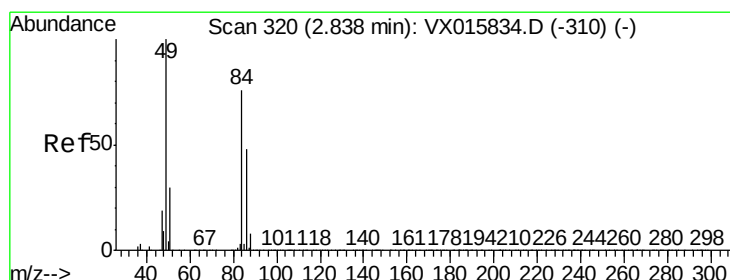
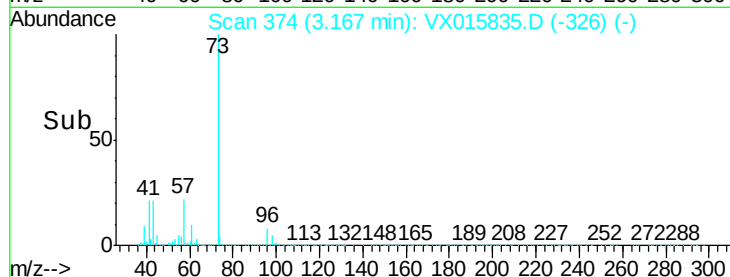
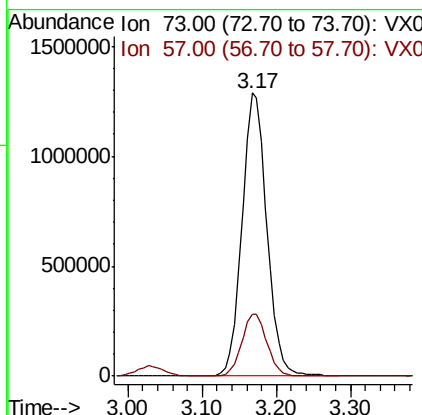
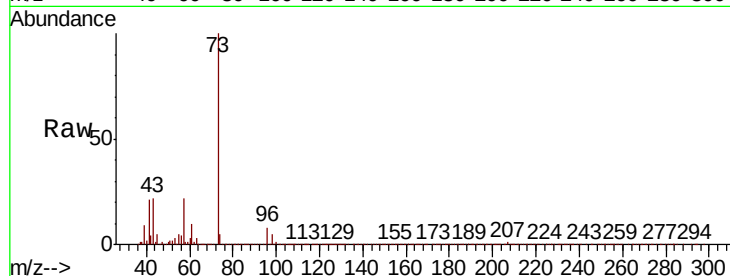


#19

Methyl tert-butyl Ether  
 Concen: 100.951 ug/l  
 RT: 3.17 min Scan# 374  
 Delta R.T. -0.01 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

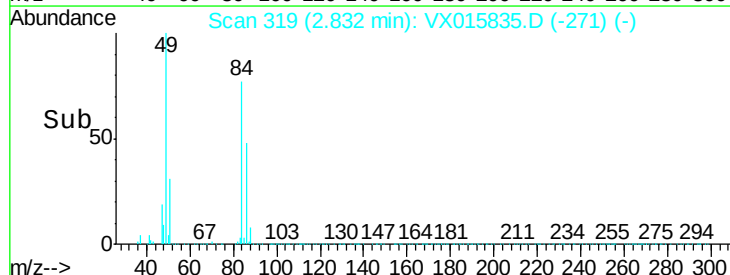
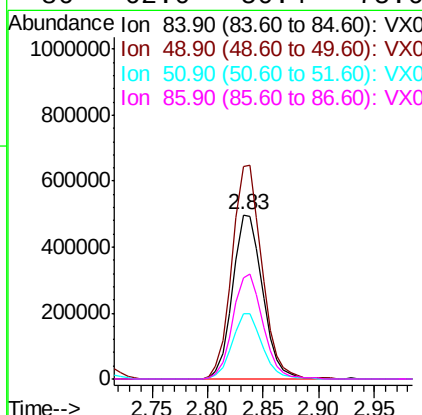
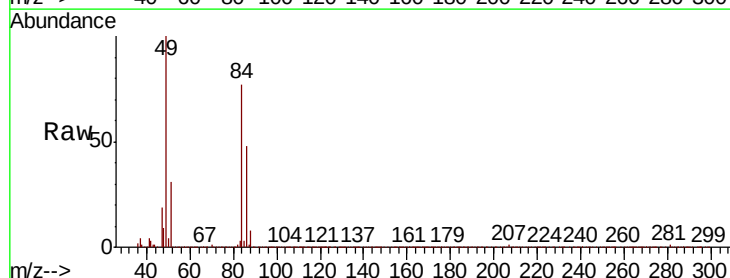
Tot Ion: 73 Resp: 2995683  
 Ion Ratio Lower Upper  
 73 100  
 57 21.9 18.1 27.1

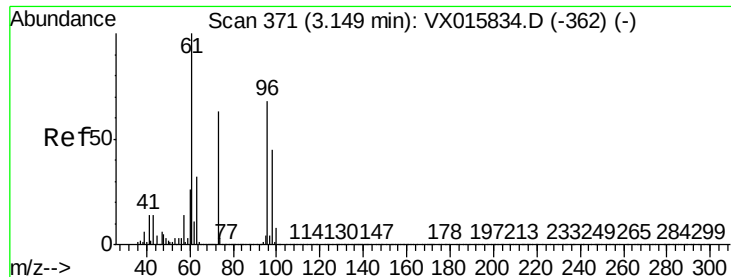


#20

Methylene Chloride  
 Concen: 94.793 ug/l  
 RT: 2.83 min Scan# 319  
 Delta R.T. -0.01 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

Tgt Ion: 84 Resp: 932047  
 Ion Ratio Lower Upper  
 84 100  
 49 129.9 104.9 157.3  
 51 40.0 32.0 48.0  
 86 62.0 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 96.815 ug/l

RT: 3.14 min Scan# 370

Delta R.T. -0.01 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

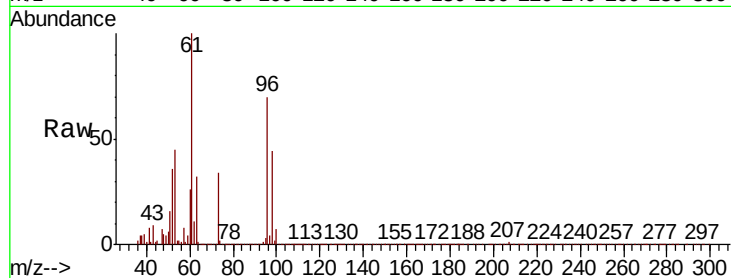
Tot Ion: 96 Resp: 915721

Ion Ratio Lower Upper

96 100

61 143.2 117.5 176.3

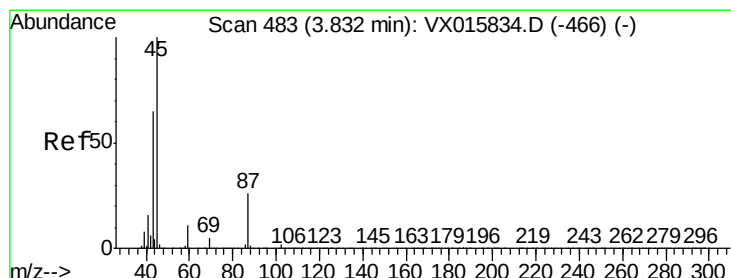
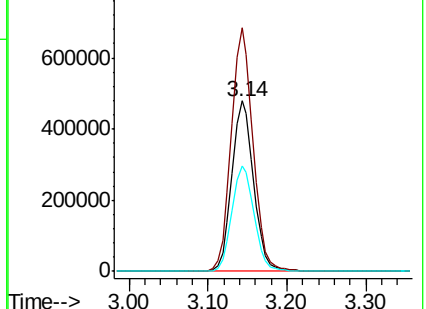
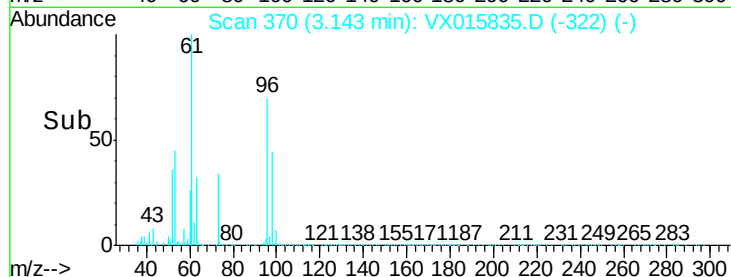
98 62.3 52.7 79.1



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 97.655 ug/l

RT: 3.83 min Scan# 482

Delta R.T. -0.01 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Tgt Ion: 45 Resp: 3176639

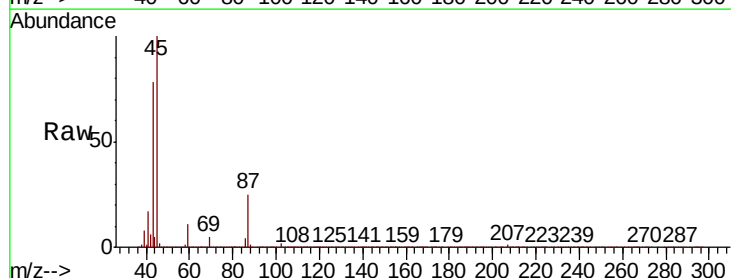
Ion Ratio Lower Upper

45 100

43 77.2 52.4 78.6

87 24.9 20.7 31.1

59 11.0 8.6 12.8

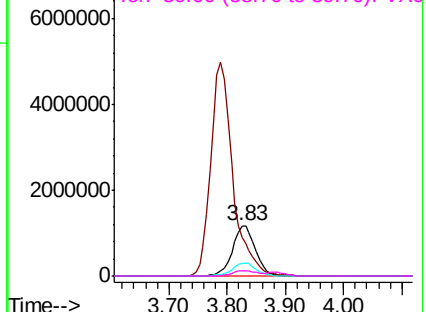
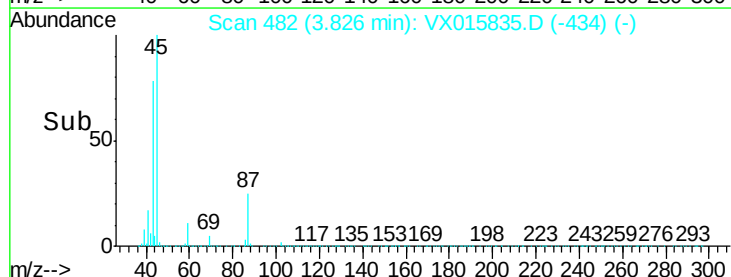


Abundance Ion 45.00 (44.70 to 45.70): VX0

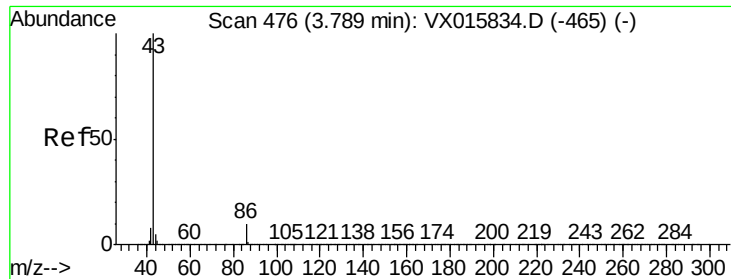
Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0







#23

Vinyl Acetate

Concen: 481.831 ug/l

RT: 3.79 min Scan# 476

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampled :

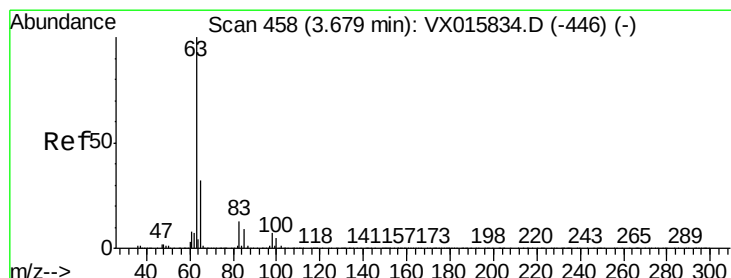
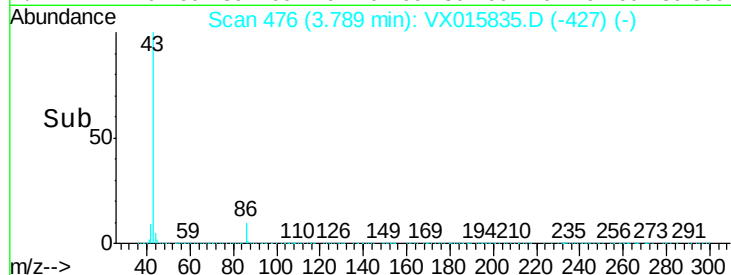
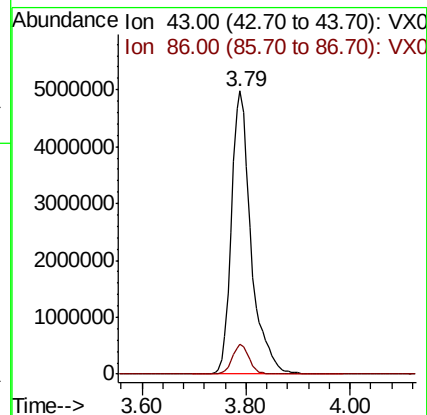
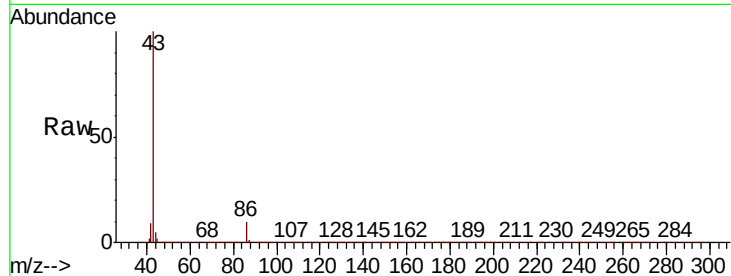
VSTDIC100

Tot Ion: 43 Resp:13103867

Ion Ratio Lower Upper

43 100

86 10.4 8.0 12.0



#24

1,1-Dichloroethane

Concen: 100.728 ug/l

RT: 3.67 min Scan# 457

Delta R.T. -0.01 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

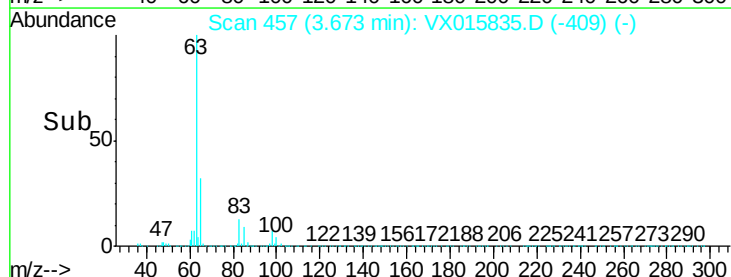
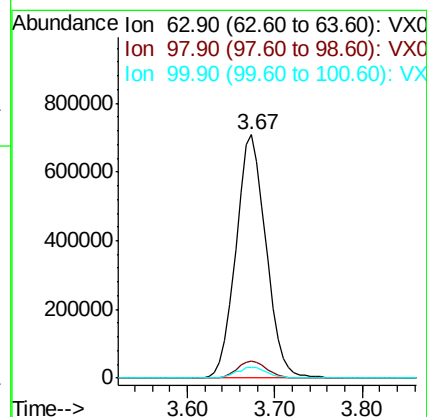
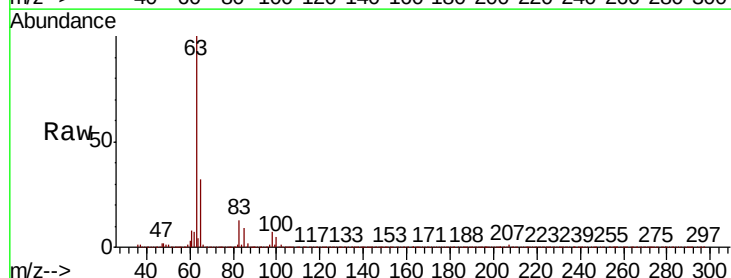
Tgt Ion: 63 Resp: 1688949

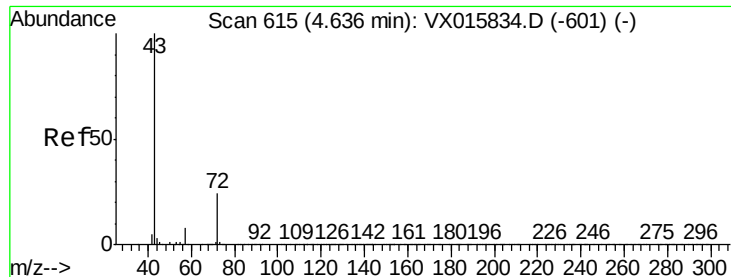
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 512.843 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

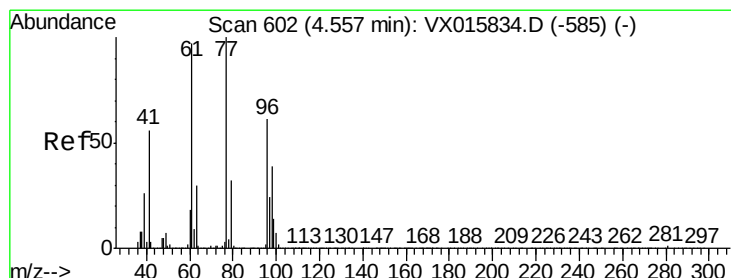
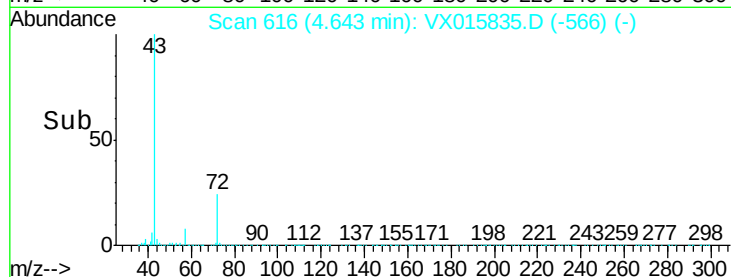
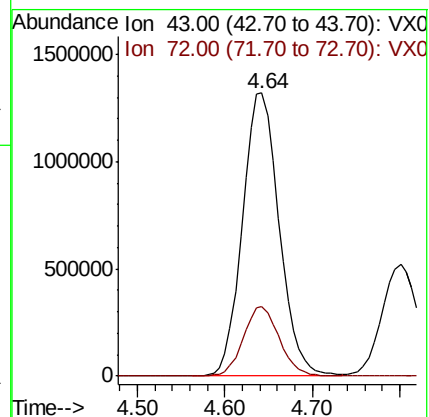
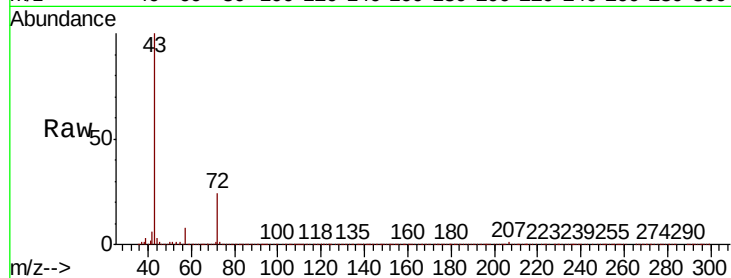
VSTDIC100

Tot Ion: 43 Resp: 3842199

Ion Ratio Lower Upper

43 100

72 24.3 19.4 29.2



#26

2,2-Dichloropropane

Concen: 99.457 ug/l

RT: 4.56 min Scan# 602

Delta R.T. 0.00 min

Lab File: VX015835.D

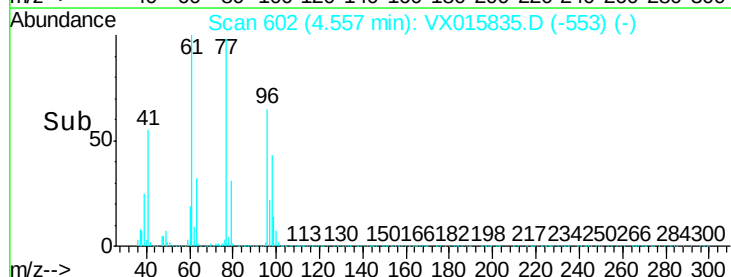
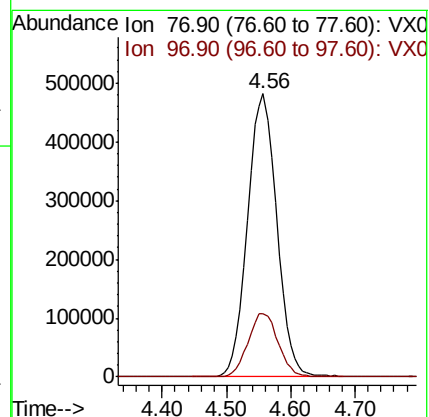
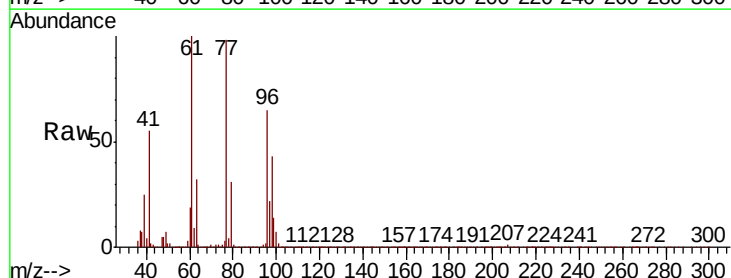
Acq: 22 Apr 2020 11:29

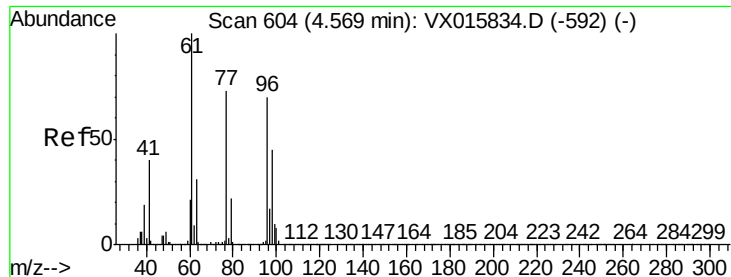
Tgt Ion: 77 Resp: 1498458

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.1



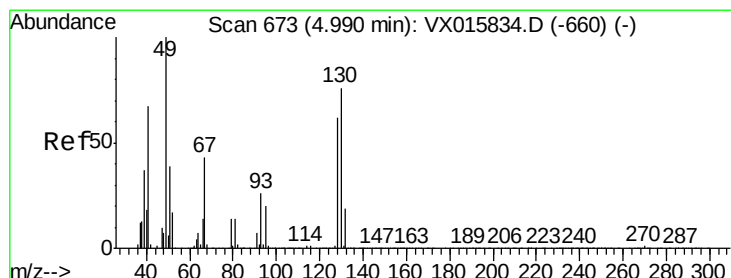
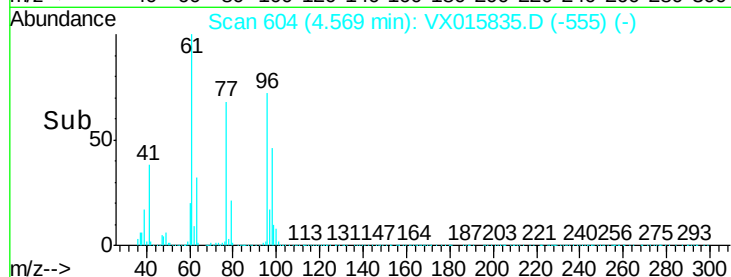
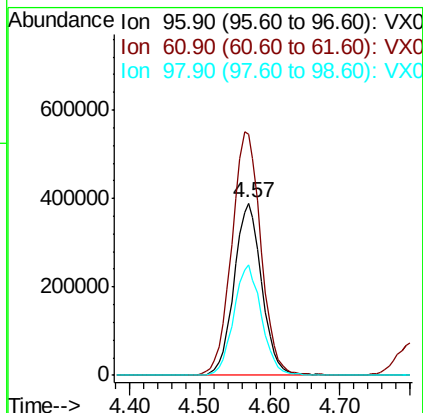
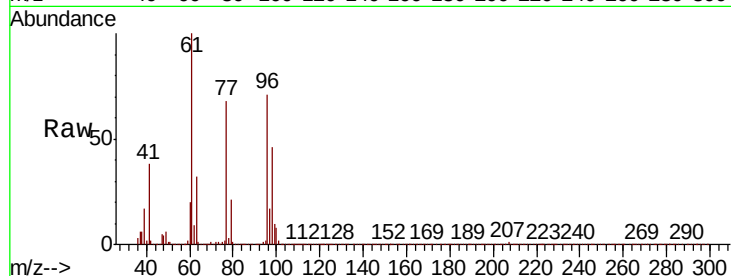


#27

cis-1,2-Dichloroethene  
Concen: 100.455 ug/l  
RT: 4.57 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

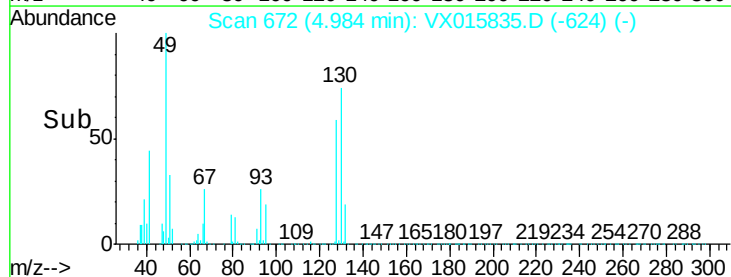
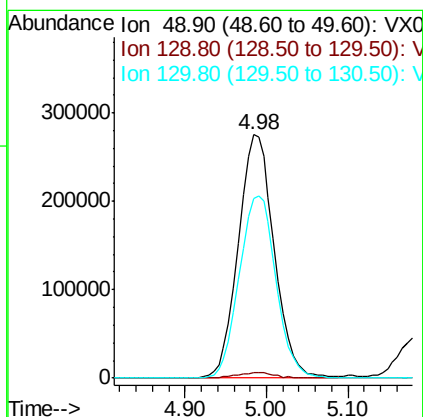
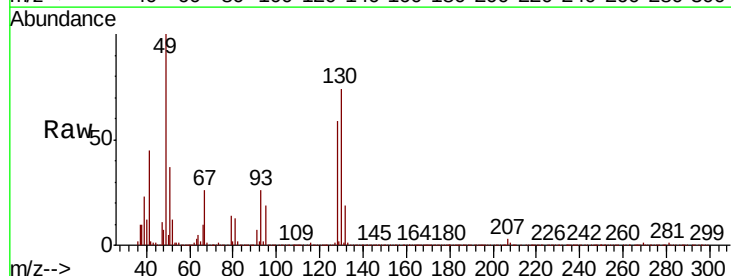
Tot Ion: 96 Resp: 1063275  
Ion Ratio Lower Upper  
96 100  
61 149.1 0.0 299.4  
98 64.4 0.0 129.6

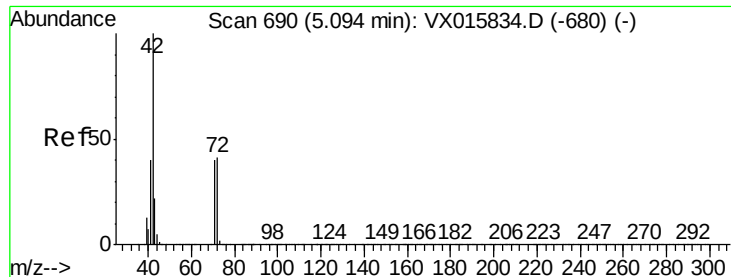


#28

Bromochloromethane  
Concen: 91.614 ug/l  
RT: 4.98 min Scan# 672  
Delta R.T. -0.01 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Tgt Ion: 49 Resp: 834358  
Ion Ratio Lower Upper  
49 100  
129 2.3 0.0 1.8#  
130 77.4 62.4 93.6





#29

Tetrahydrofuran

Concen: 508.729 ug/l

RT: 5.09 min Scan# 690

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

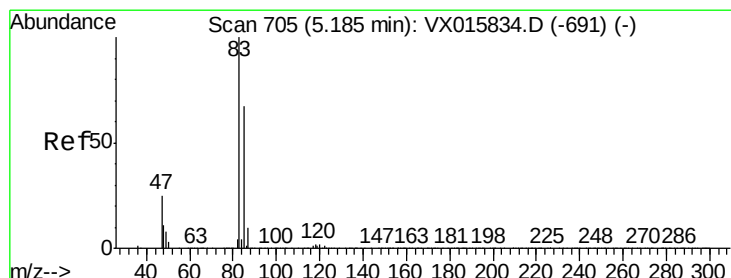
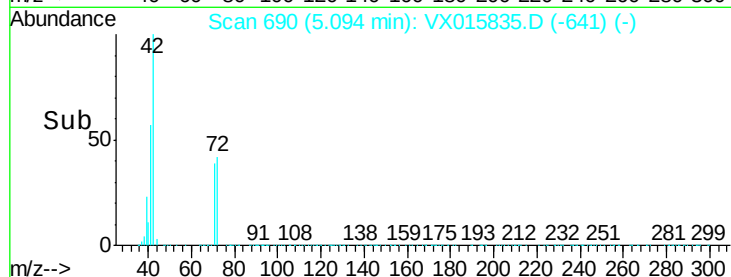
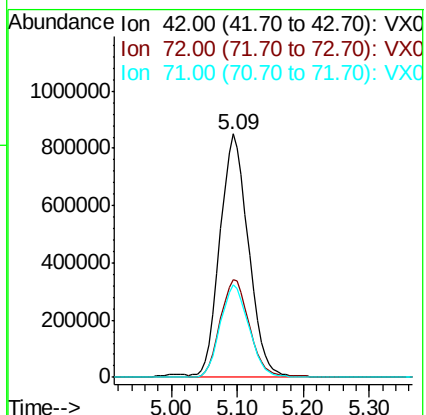
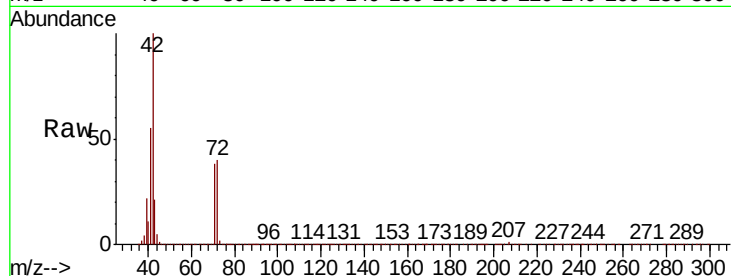
Tot Ion: 42 Resp: 2531358

Ion Ratio Lower Upper

42 100

72 41.2 33.0 49.6

71 38.3 30.6 45.8



#30

Chloroform

Concen: 97.698 ug/l

RT: 5.18 min Scan# 704

Delta R.T. -0.01 min

Lab File: VX015835.D

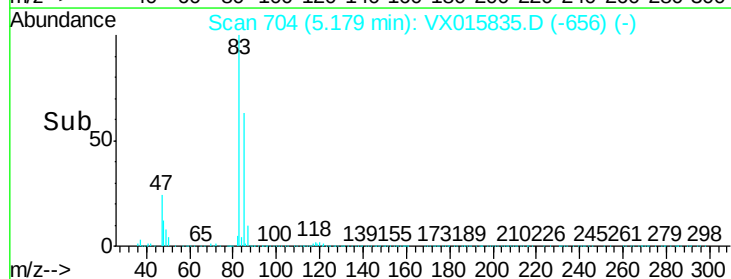
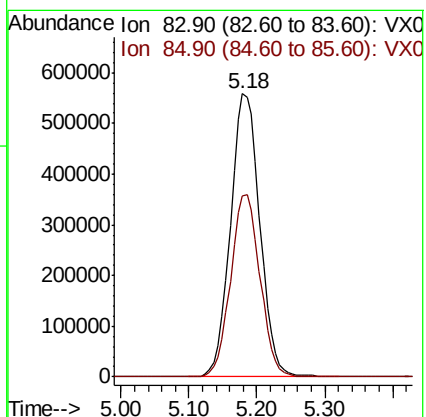
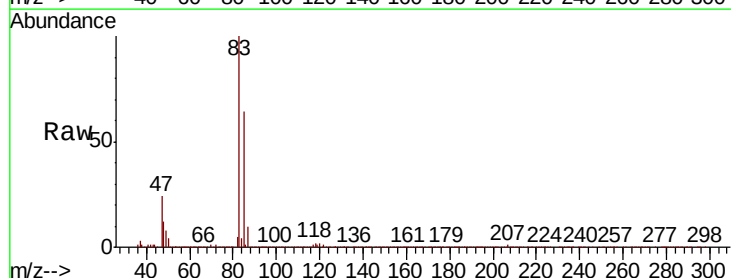
Acq: 22 Apr 2020 11:29

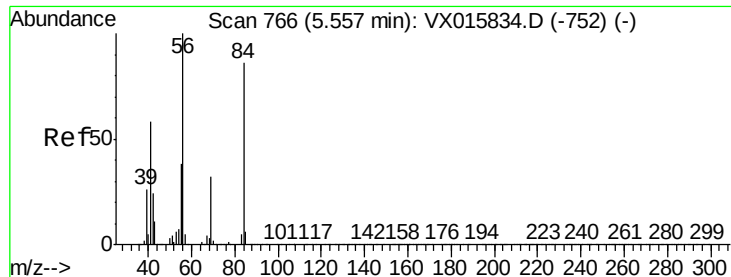
Tgt Ion: 83 Resp: 1668688

Ion Ratio Lower Upper

83 100

85 63.9 53.4 80.0

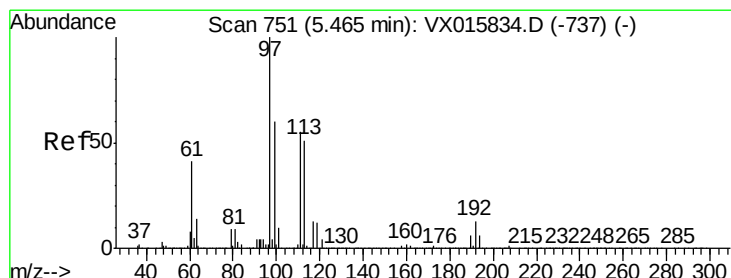
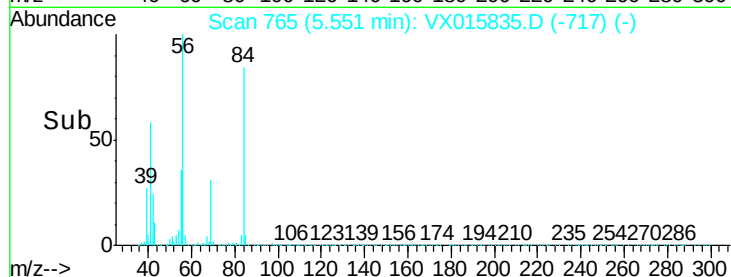
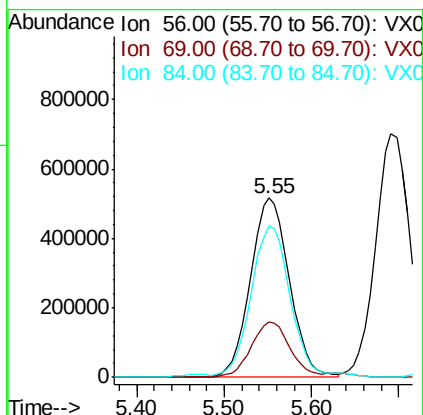
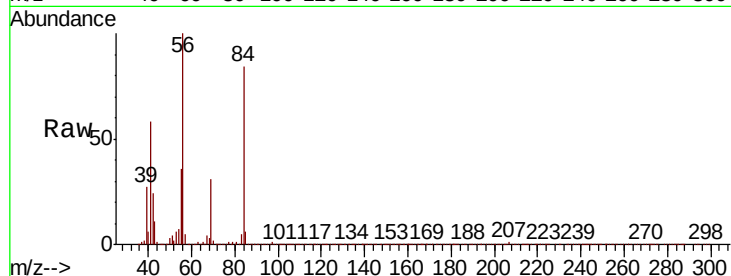




#31  
Cyclohexane  
Concen: 97.989 ug/l  
RT: 5.55 min Scan# 765  
Delta R.T. -0.01 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

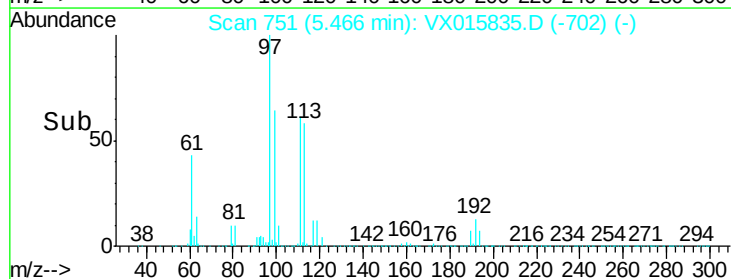
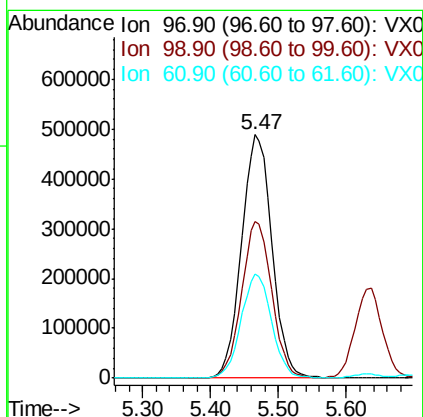
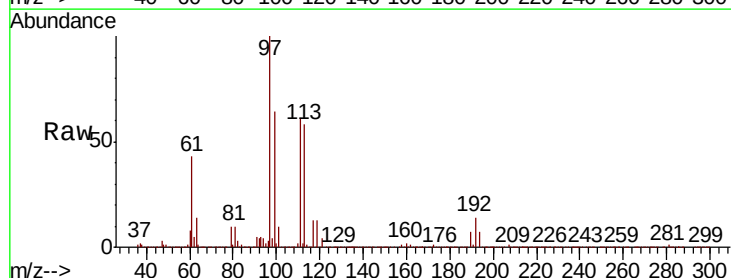
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

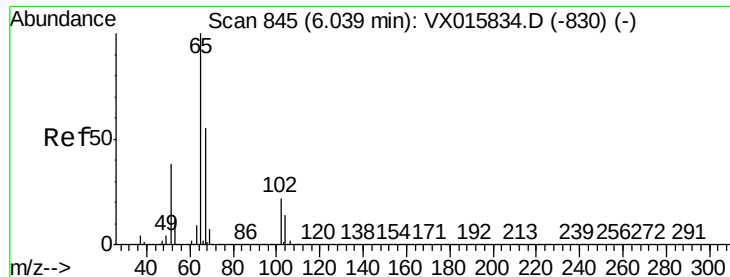
Tot Ion: 56 Resp: 1597526  
Ion Ratio Lower Upper  
56 100  
69 30.7 25.3 37.9  
84 82.8 69.1 103.7



#32  
1,1,1-Trichloroethane  
Concen: 100.600 ug/l  
RT: 5.47 min Scan# 751  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Tgt Ion: 97 Resp: 1516469  
Ion Ratio Lower Upper  
97 100  
99 63.9 51.2 76.8  
61 42.7 34.1 51.1





#33

1,2-Dichloroethane-d4

Concen: 98.538 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

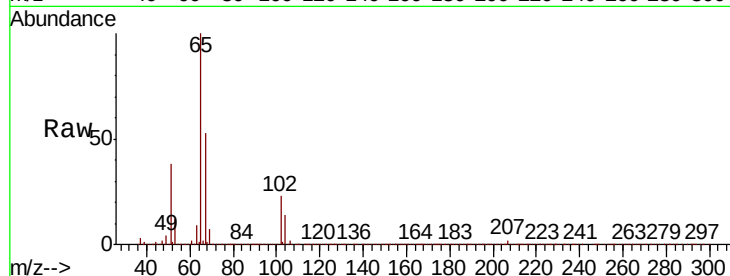
VSTDIC100

Tot Ion: 65 Resp: 1132749

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

400000

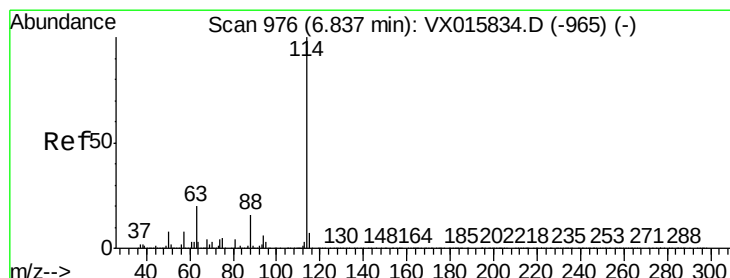
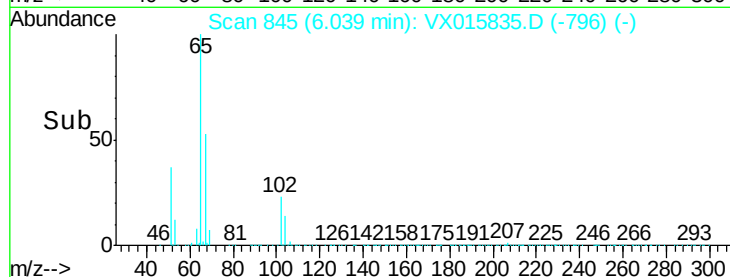
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

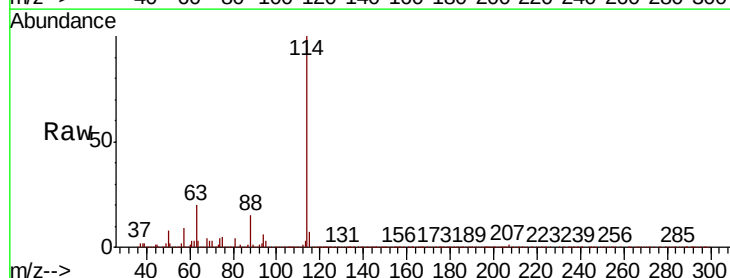
Tgt Ion: 114 Resp: 1462492

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.6

88 15.4 0.0 32.8



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

6.84

800000

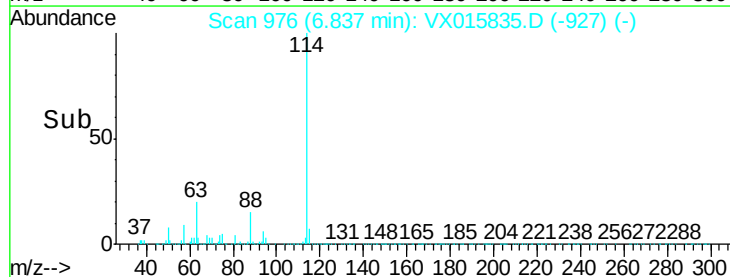
600000

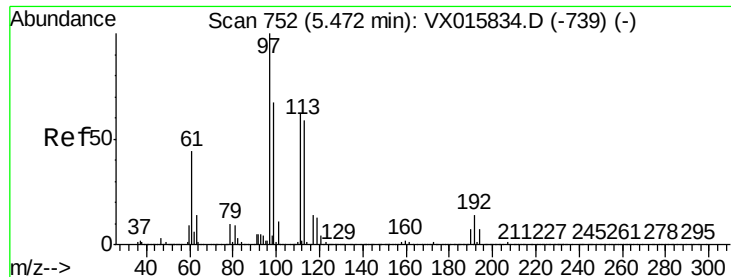
400000

200000

0

Time-->

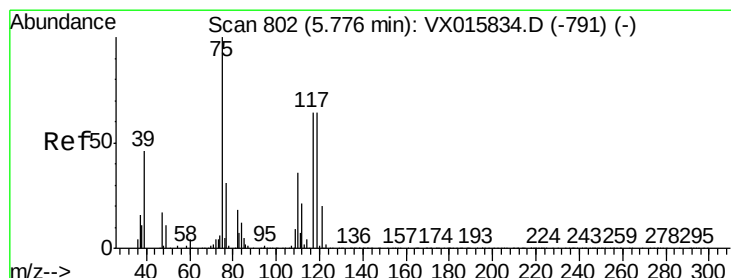
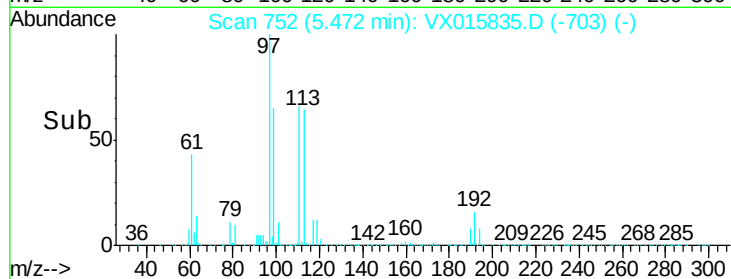
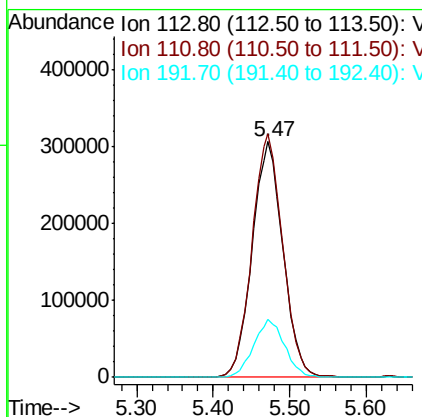
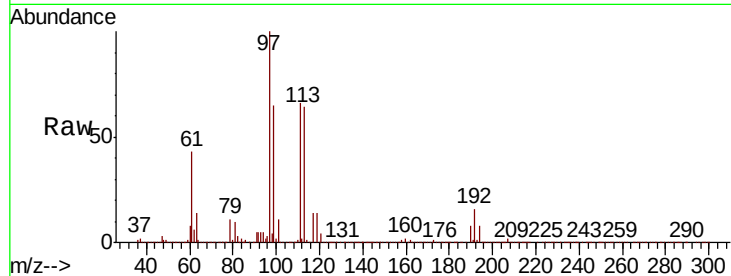




#35  
 Dibromofluoromethane  
 Concen: 92.755 ug/l  
 RT: 5.47 min Scan# 752  
 Delta R.T. 0.00 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

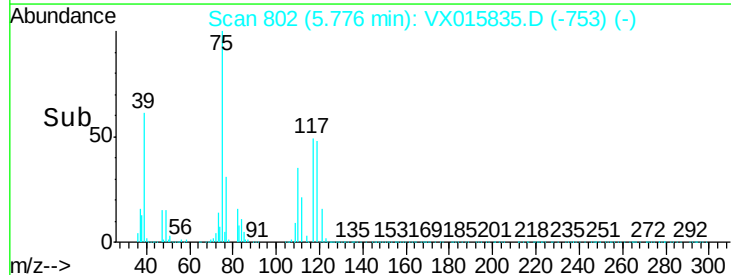
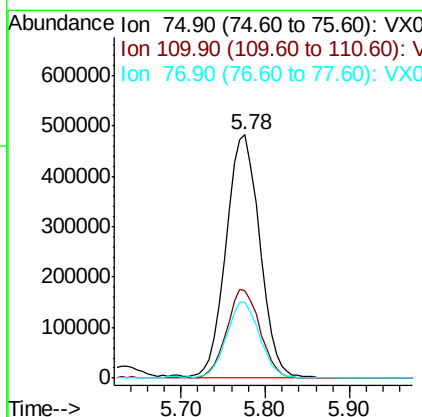
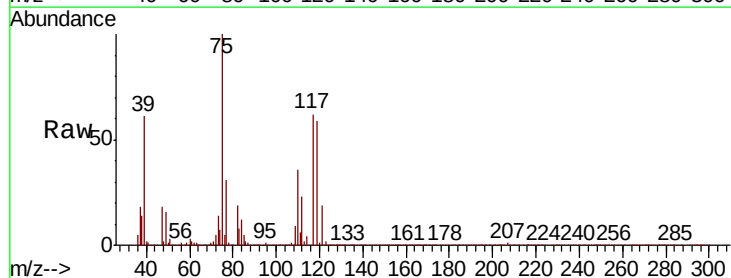
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

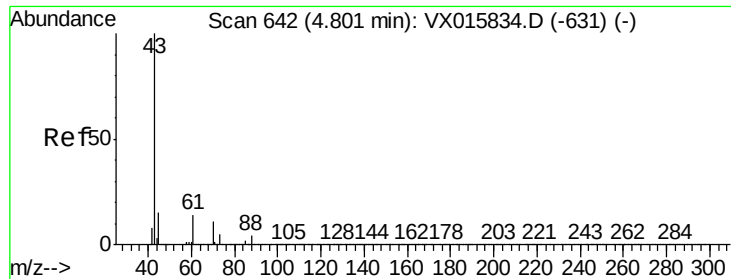
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 82.7  | 124.1 |
| 192     | 24.8  | 19.3  | 28.9  |



#36  
 1,1-Dichloropropene  
 Concen: 101.576 ug/l  
 RT: 5.78 min Scan# 802  
 Delta R.T. 0.00 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.3  | 17.9  | 53.8  |
| 77      | 30.7  | 24.5  | 36.7  |

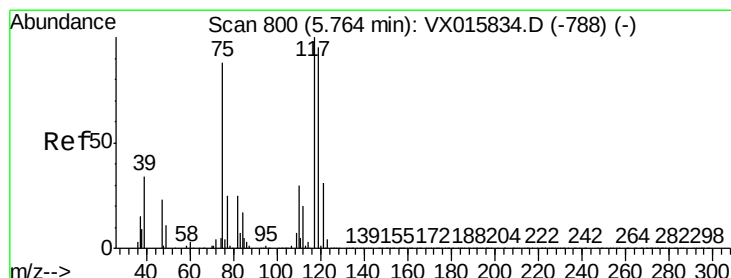
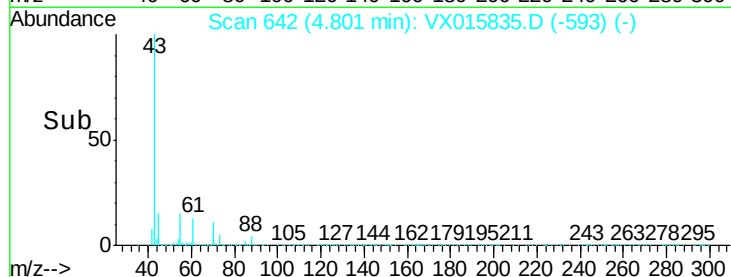
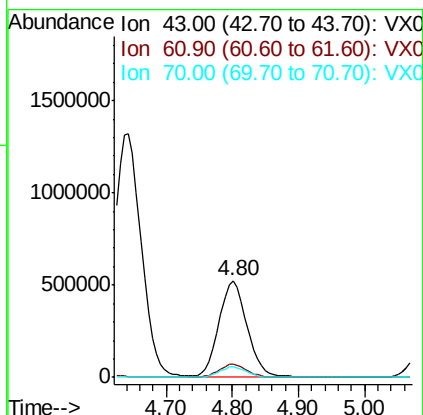
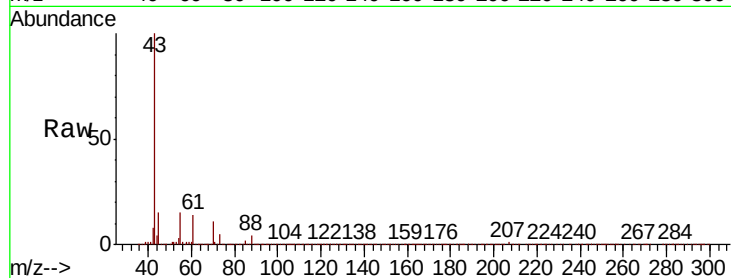




#37  
Ethyl Acetate  
Concen: 99.733 ug/l  
RT: 4.80 min Scan# 642  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

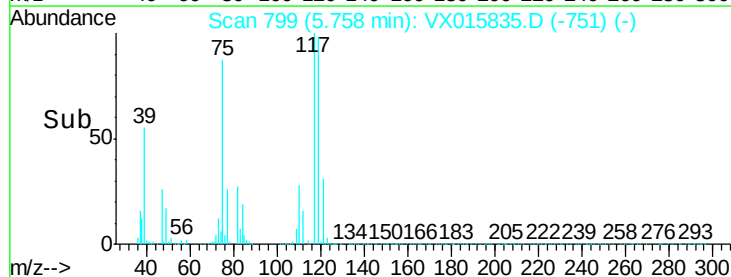
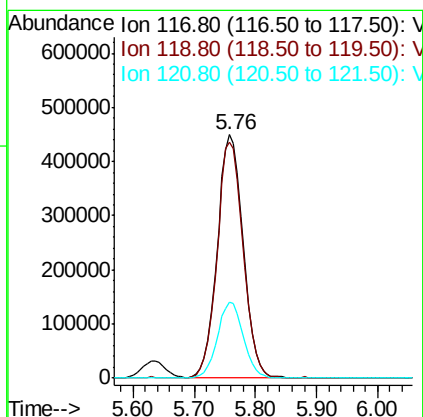
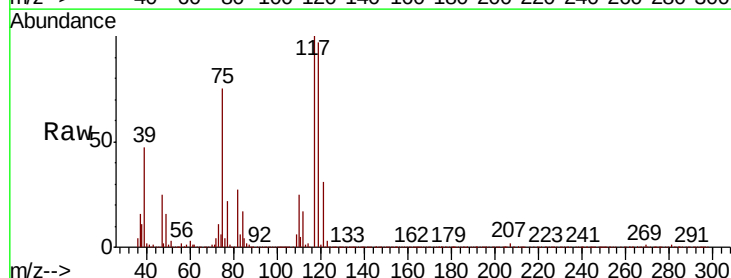
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tot Ion: 43 Resp: 1539564  
Ion Ratio Lower Upper  
43 100  
61 13.1 10.8 16.2  
70 10.3 8.2 12.2

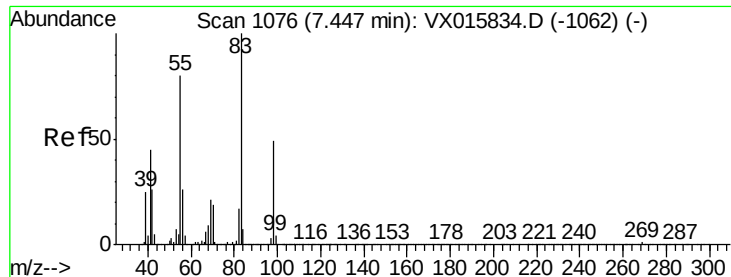


#38  
Carbon Tetrachloride  
Concen: 105.763 ug/l  
RT: 5.76 min Scan# 799  
Delta R.T. -0.01 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Tgt Ion: 117 Resp: 1318849  
Ion Ratio Lower Upper  
117 100  
119 96.8 75.7 113.5  
121 30.9 25.0 37.6





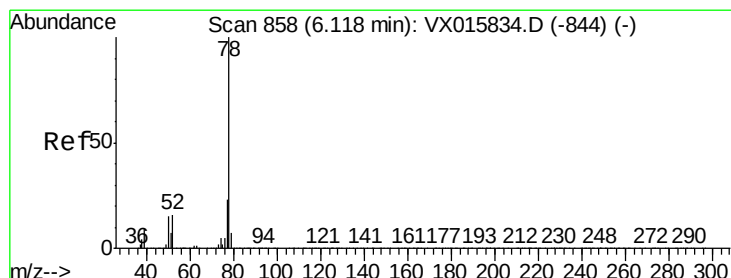
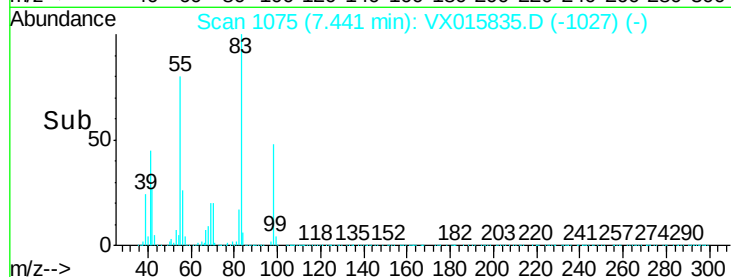
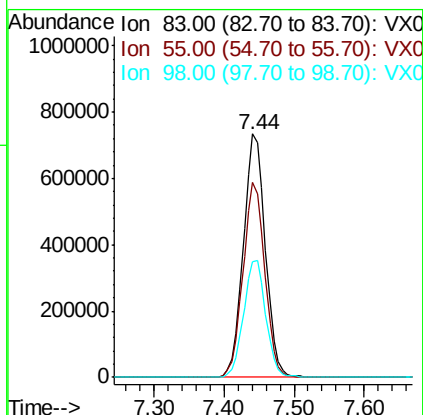
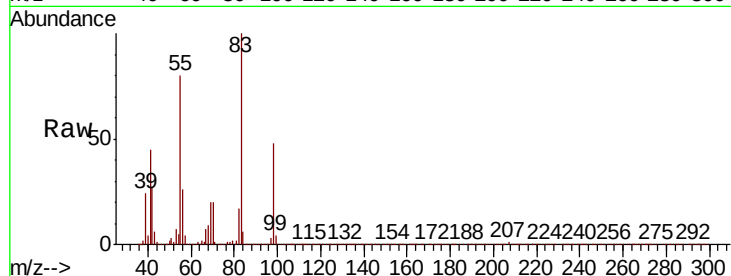


#39  
Methylvlcyclohexane  
Concen: 96.658 ug/l  
RT: 7.44 min Scan# 1075  
Delta R.T. -0.01 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tot Ion: 83 Resp: 1598453

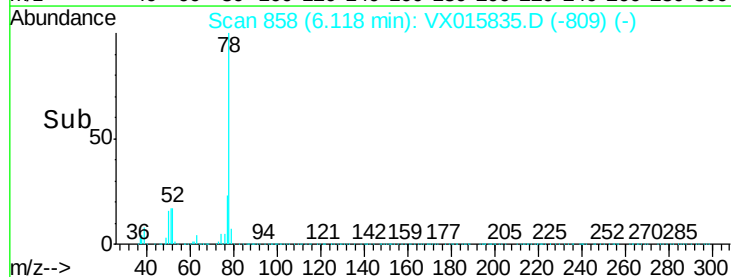
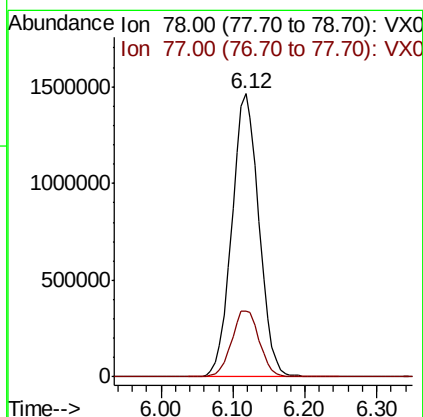
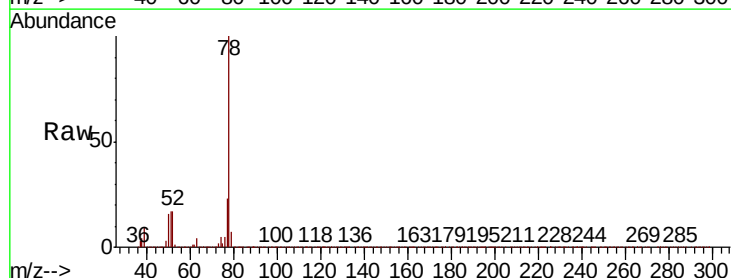
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 79.9  | 64.2  | 96.4  |
| 98  | 47.6  | 39.3  | 58.9  |

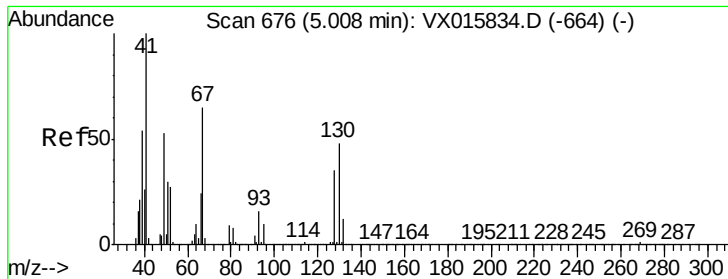


#40  
Benzene  
Concen: 97.092 ug/l  
RT: 6.12 min Scan# 858  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Tgt Ion: 78 Resp: 3816657

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 23.4  | 18.6  | 27.8  |

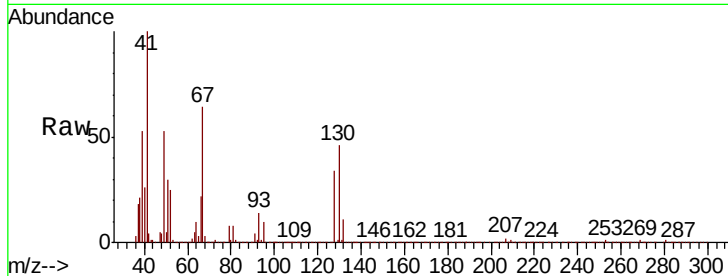




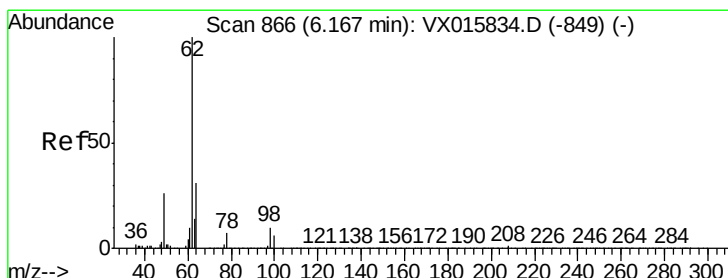
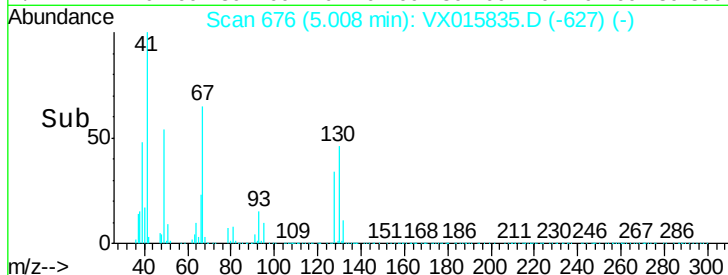
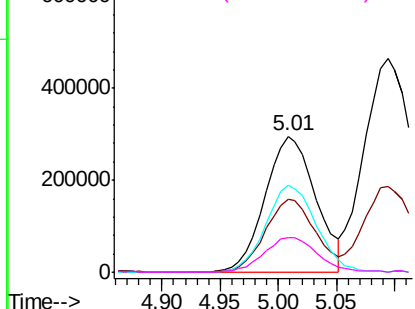
#41  
Methacrylonitrile  
Concen: 121.215 ug/l  
RT: 5.01 min Scan# 676  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 883520 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 53.0  | 42.4  | 63.6   |
| 67       | 64.3  | 51.9  | 77.9   |
| 52       | 26.3  | 21.0  | 31.4   |

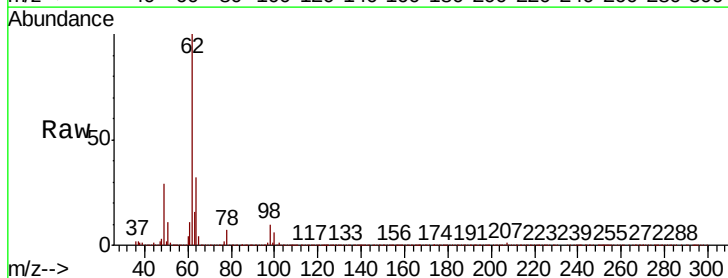


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

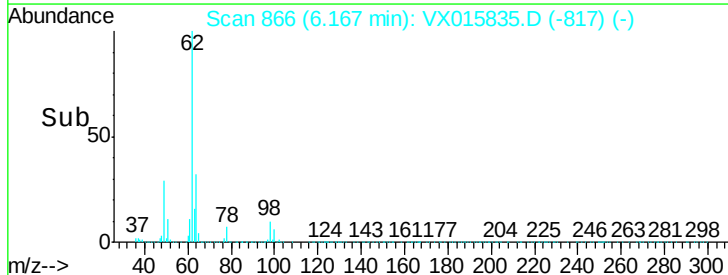
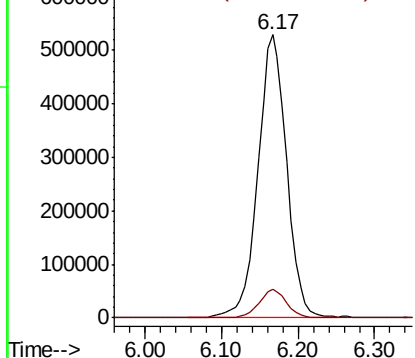


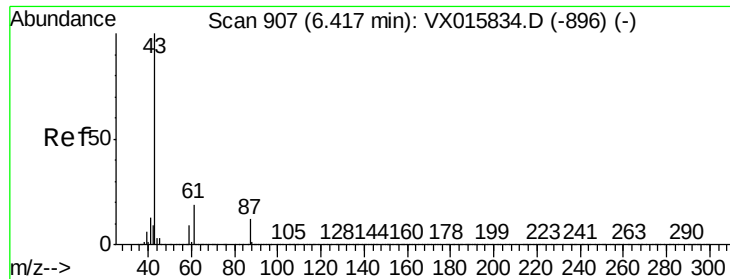
#42  
1,2-Dichloroethane  
Concen: 97.091 ug/l  
RT: 6.17 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 62    | Resp: | 1371967 |
| Ion      | Ratio | Lower | Upper   |
| 62       | 100   |       |         |
| 98       | 9.7   | 0.0   | 20.0    |



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



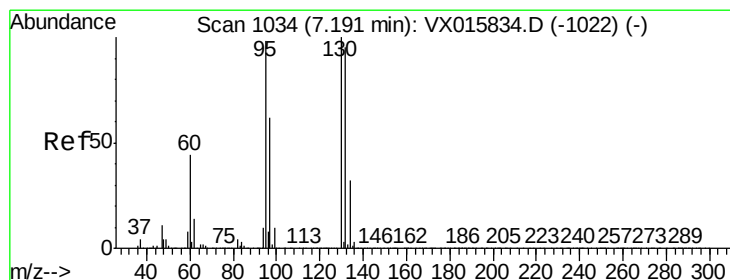
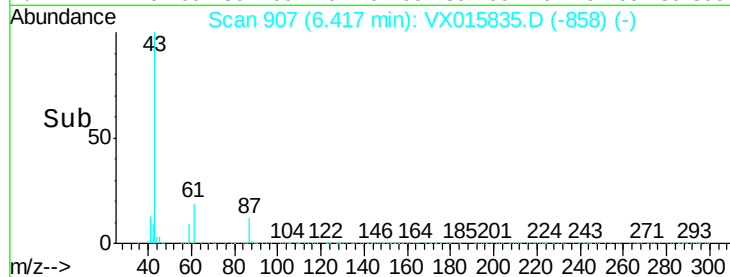
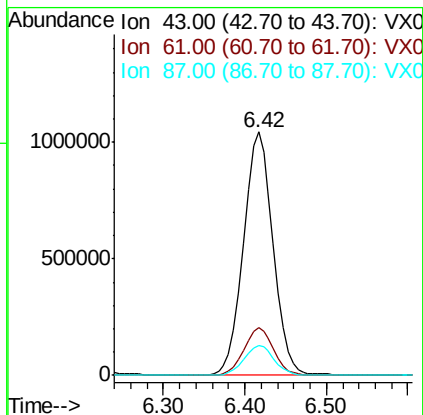
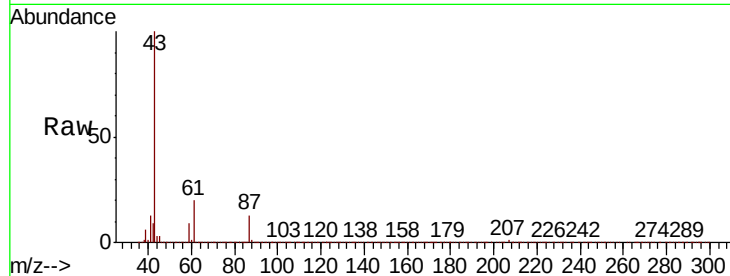


#43

Isopropyl Acetate  
 Concen: 100.850 ug/l  
 RT: 6.42 min Scan# 907  
 Delta R.T. 0.00 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

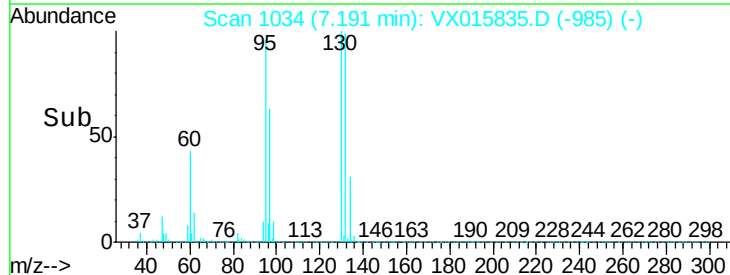
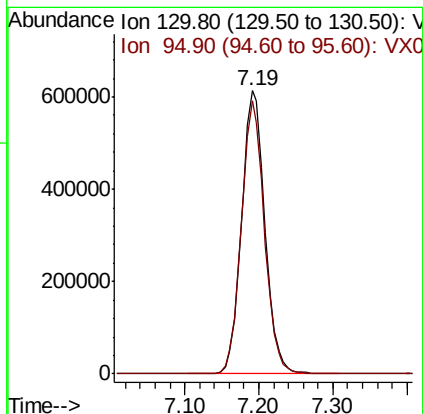
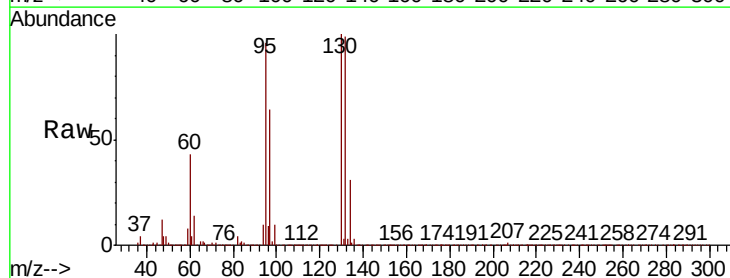
Tot Ion: 43 Resp: 2612894  
 Ion Ratio Lower Upper  
 43 100  
 61 19.5 15.4 23.2  
 87 12.6 9.8 14.6

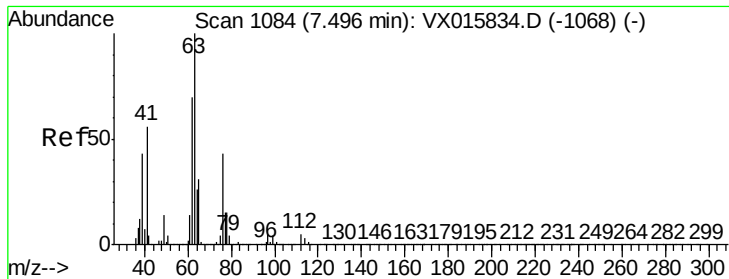


#44

Trichloroethene  
 Concen: 97.985 ug/l  
 RT: 7.19 min Scan# 1034  
 Delta R.T. 0.00 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

Tgt Ion:130 Resp: 1346253  
 Ion Ratio Lower Upper  
 130 100  
 95 96.4 0.0 195.8

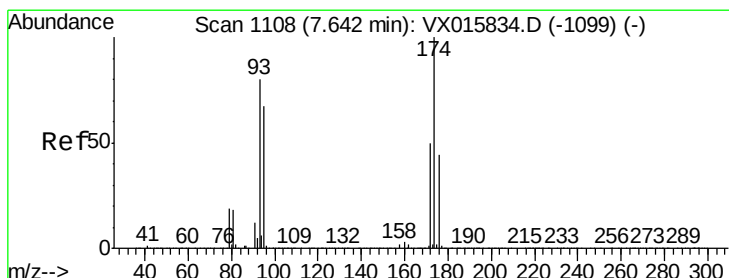
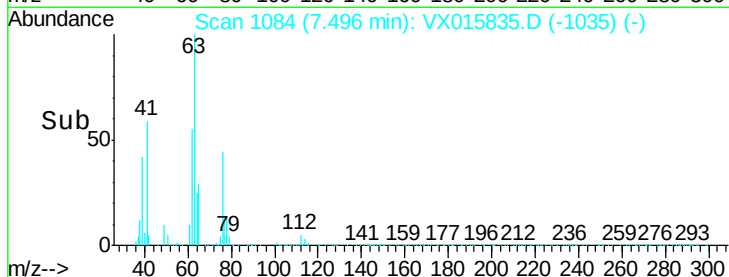
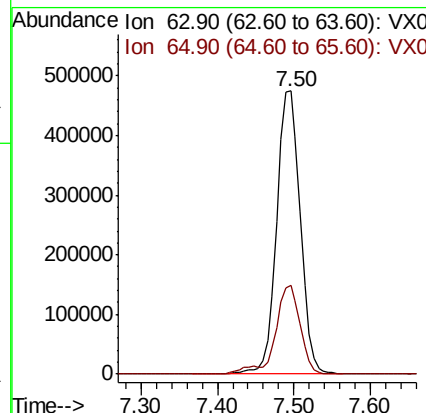
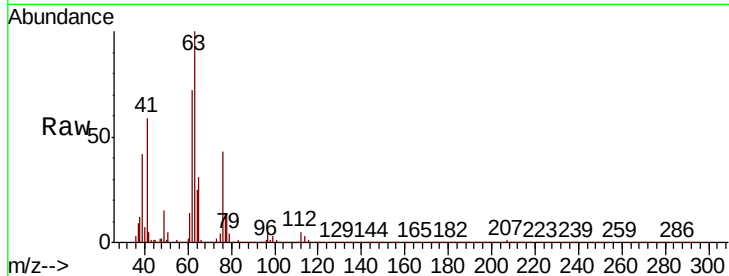




#45  
 1,2-Dichloropropane  
 Concen: 99.624 ug/l  
 RT: 7.50 min Scan# 1084  
 Delta R.T. 0.00 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

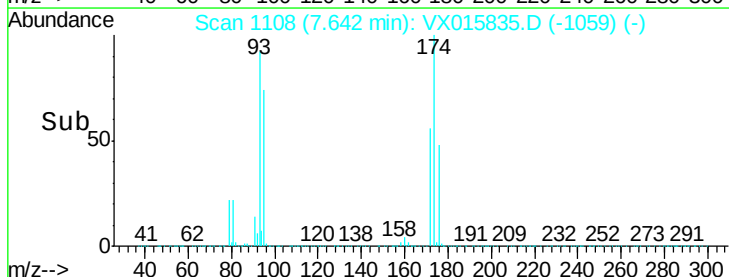
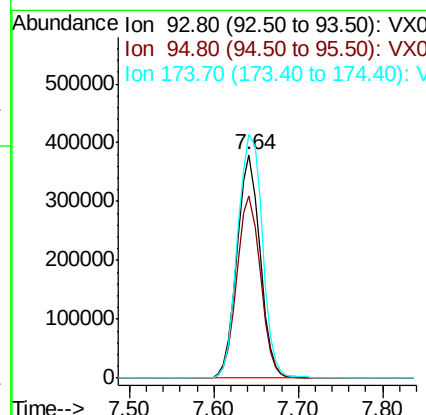
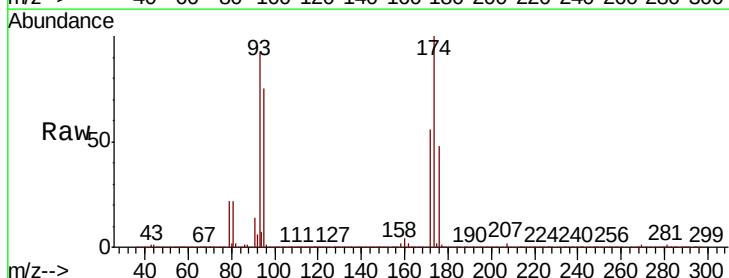
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

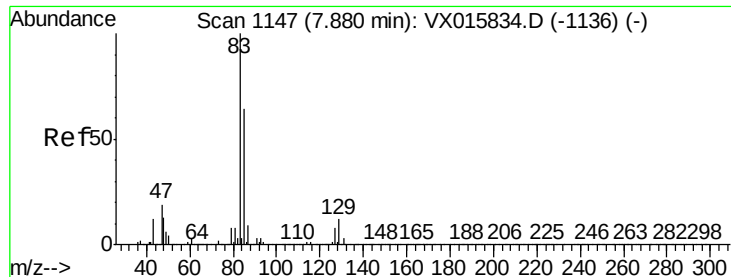
Tot Ion: 63 Resp: 1017337  
 Ion Ratio Lower Upper  
 63 100  
 65 31.2 24.5 36.7



#46  
 Dibromomethane  
 Concen: 91.166 ug/l  
 RT: 7.64 min Scan# 1108  
 Delta R.T. 0.00 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

Tgt Ion: 93 Resp: 700748  
 Ion Ratio Lower Upper  
 93 100  
 95 83.3 65.8 98.8  
 174 117.1 95.6 143.4





#47

Bromodichloromethane

Concen: 104.924 ug/l

RT: 7.88 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

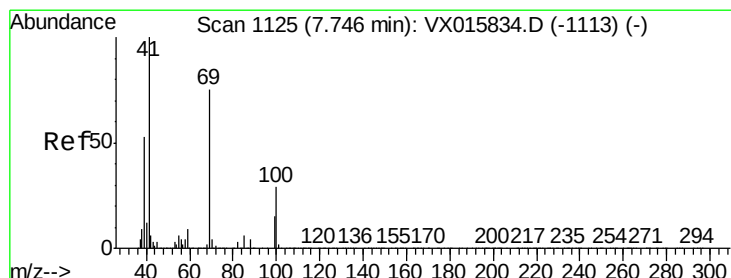
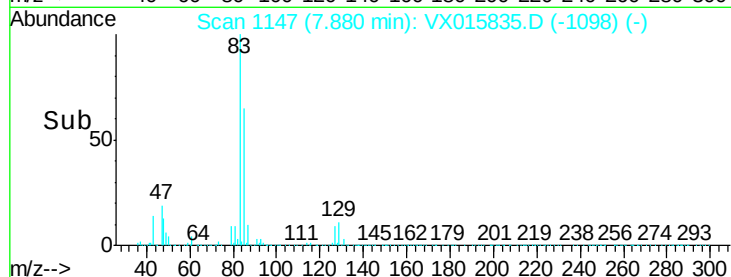
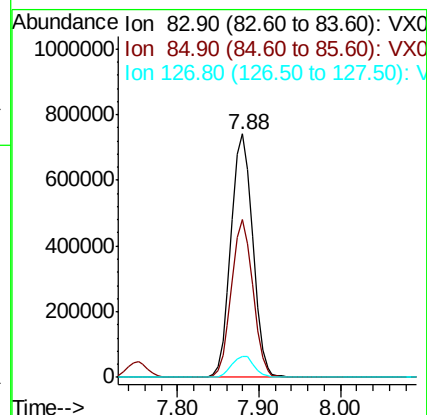
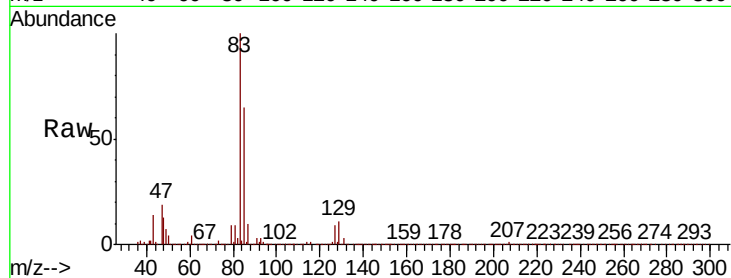
Tot Ion: 83 Resp: 1364580

Ion Ratio Lower Upper

83 100

85 64.5 50.8 76.2

127 8.8 6.6 10.0



#48

Methyl methacrylate

Concen: 104.160 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

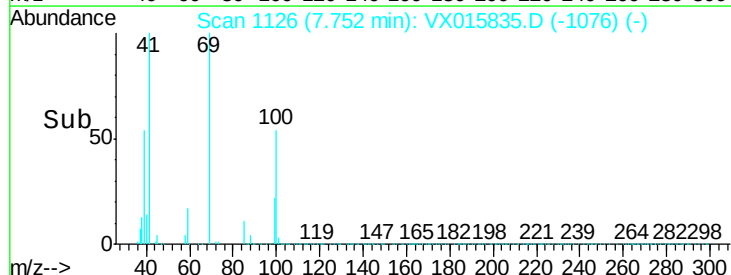
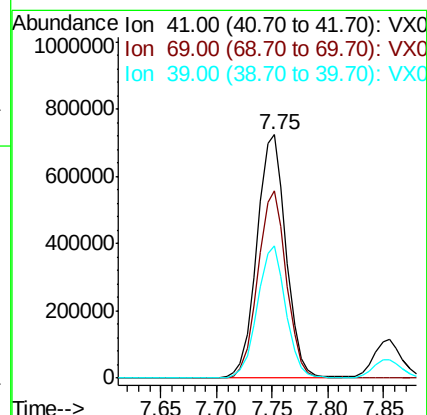
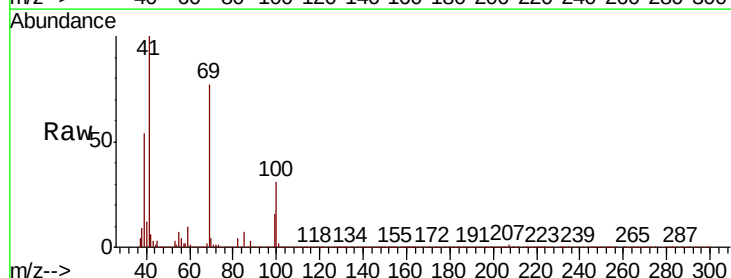
Tgt Ion: 41 Resp: 1314044

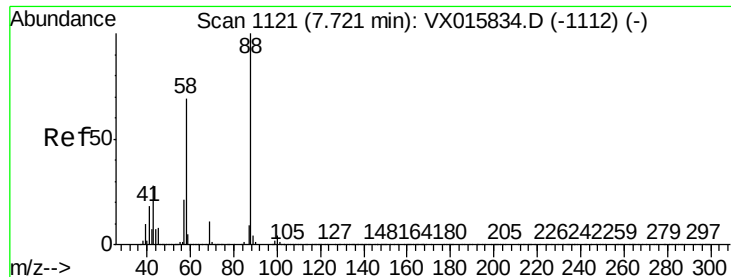
Ion Ratio Lower Upper

41 100

69 75.9 60.5 90.7

39 52.9 42.1 63.1

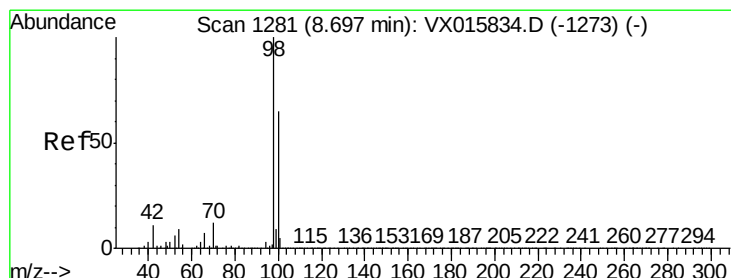
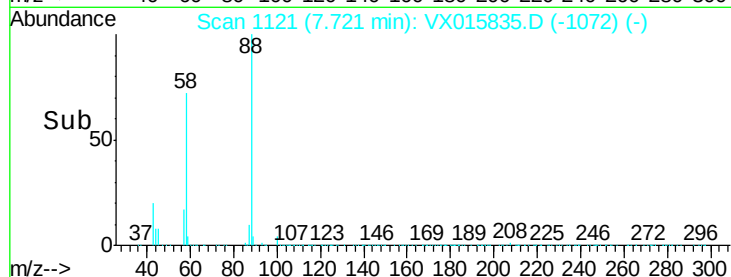
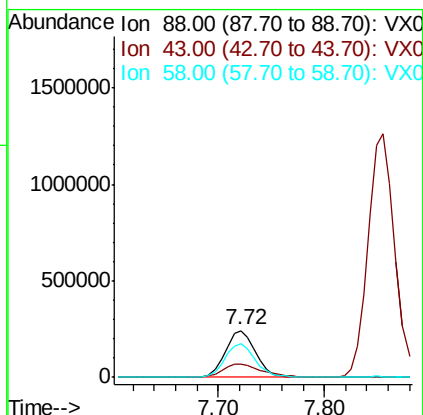
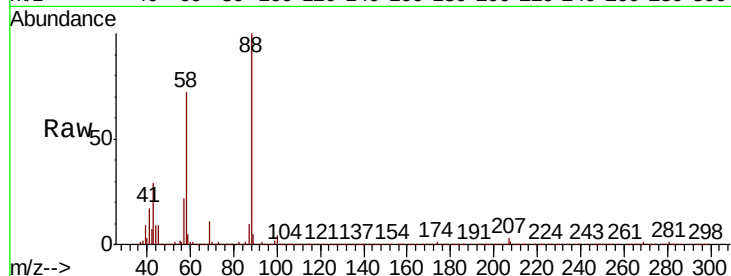




#49  
1,4-Dioxane  
Concen: 1951.718 ug/l  
RT: 7.72 min Scan# 1121  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

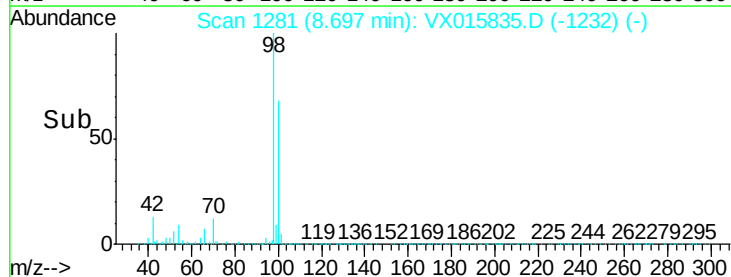
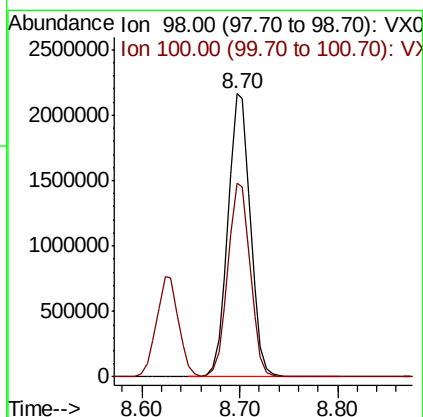
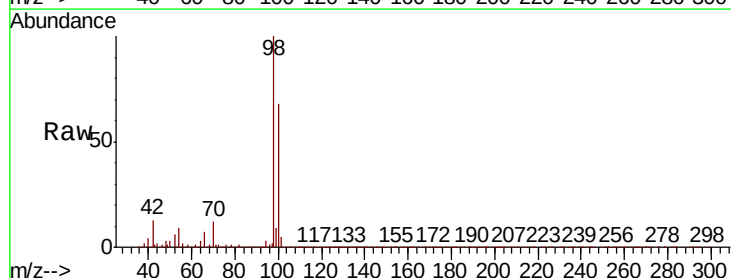
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

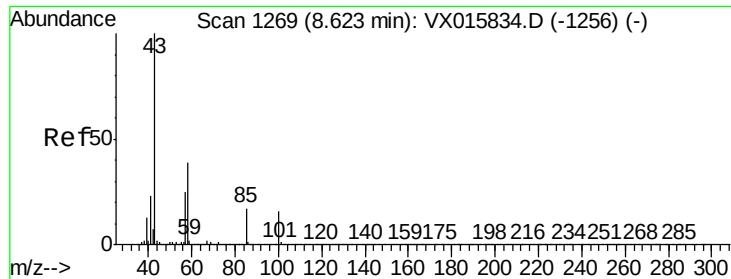
| Tot Ion | 88    | Resp  | 478098 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 88      | 100   |       |        |
| 43      | 35.3  | 28.2  | 42.4   |
| 58      | 73.3  | 58.9  | 88.3   |



#50  
Toluene-d8  
Concen: 97.585 ug/l  
RT: 8.70 min Scan# 1281  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

| Tgt Ion | 98    | Resp  | 3433692 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 68.7  | 53.8  | 80.6    |





#51

4-Methyl-2-Pentanone

Concen: 503.229 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

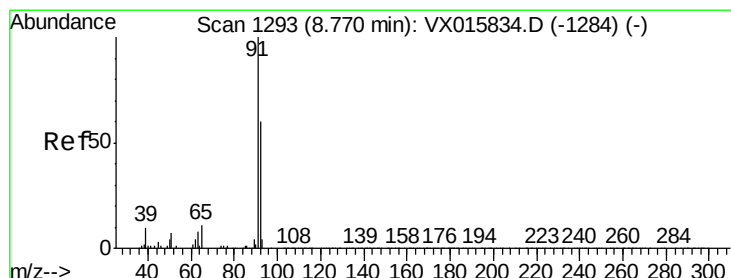
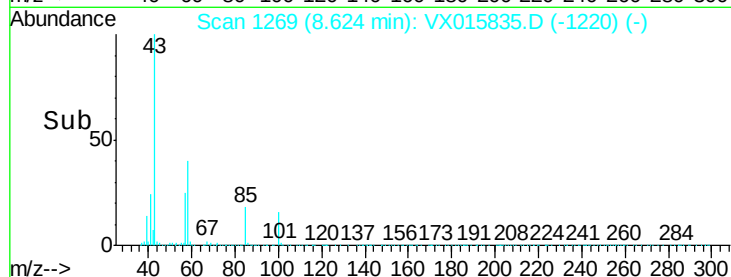
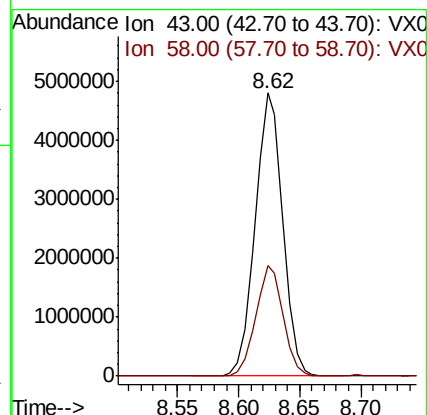
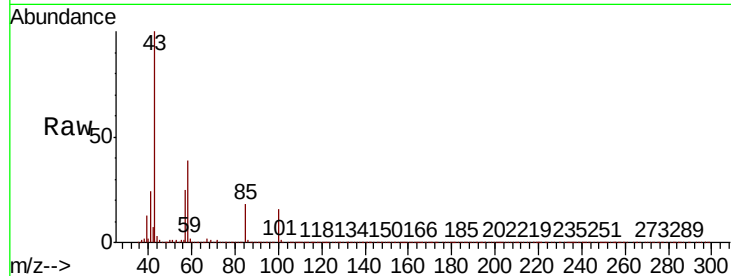
VSTDIC100

Tot Ion: 43 Resp: 7558288

Ion Ratio Lower Upper

43 100

58 38.7 30.6 45.8



#52

Toluene

Concen: 96.856 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015835.D

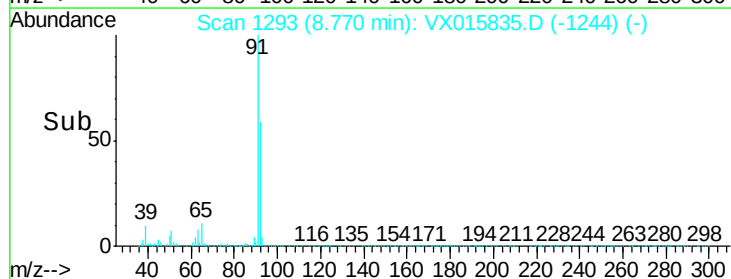
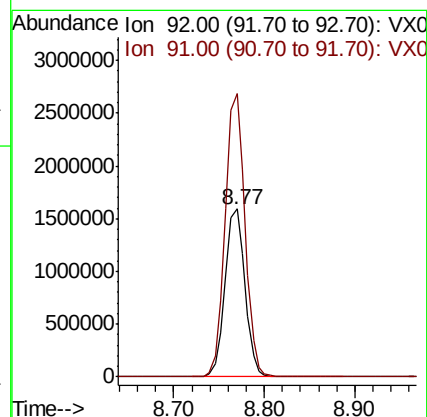
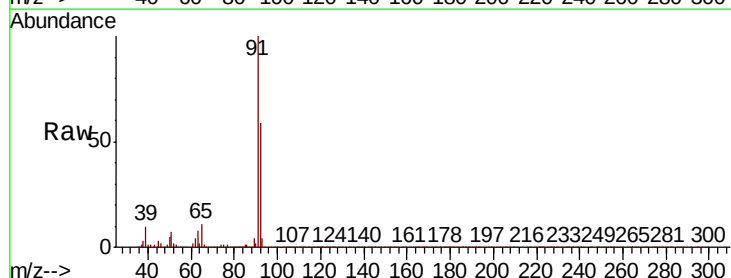
Acq: 22 Apr 2020 11:29

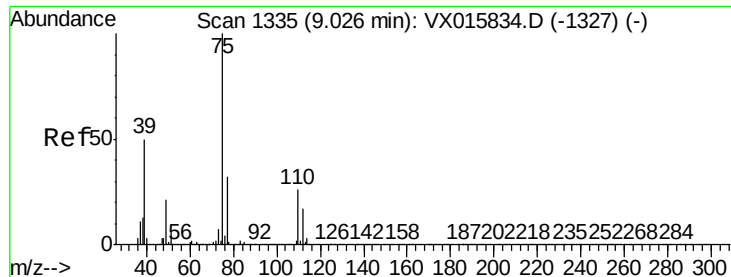
Tgt Ion: 92 Resp: 2443251

Ion Ratio Lower Upper

92 100

91 168.1 133.4 200.0



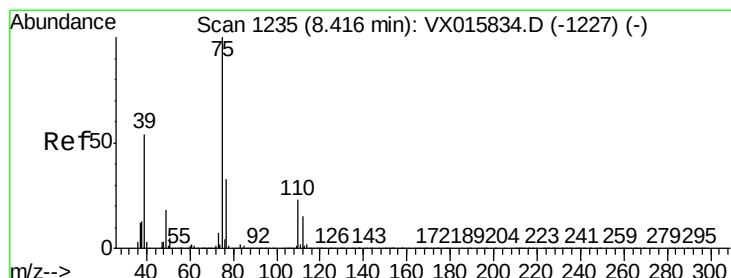
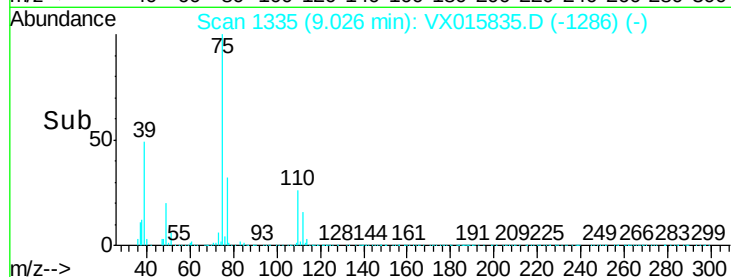
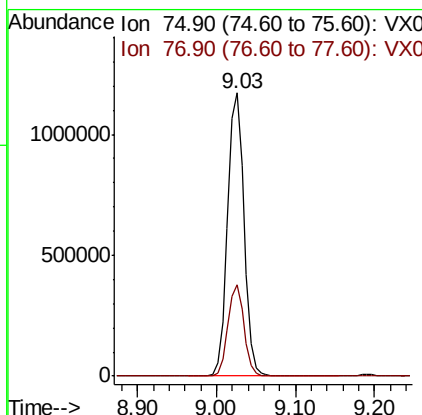
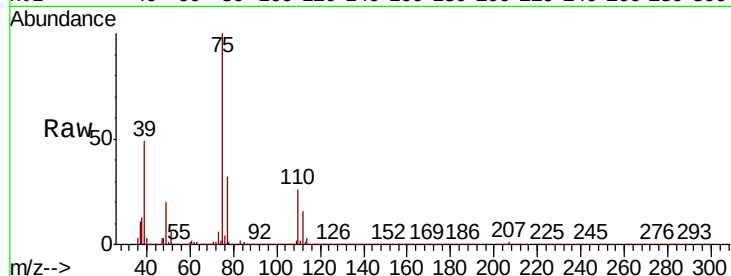


#53  
t-1,3-Dichloropropene  
Concen: 104.616 ug/l  
RT: 9.03 min Scan# 1335  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tot Ion: 75 Resp: 1695061  

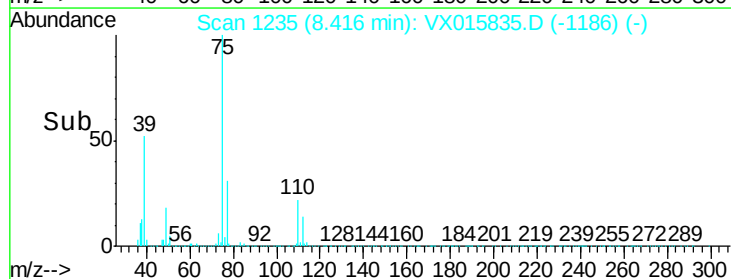
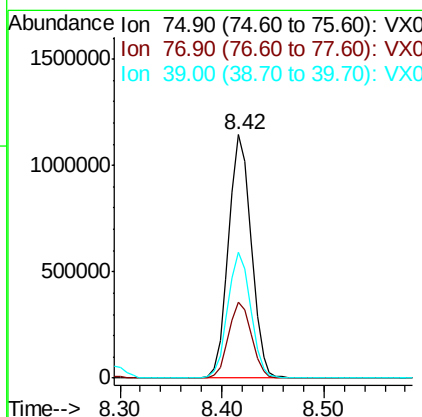
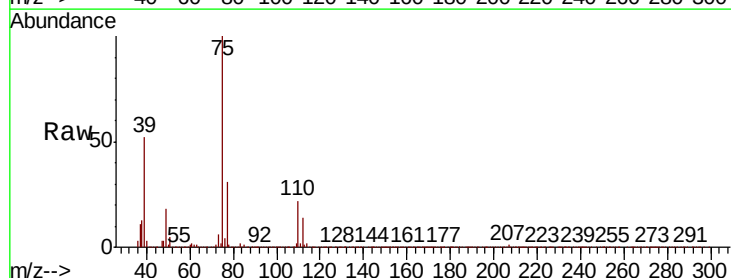
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.3  | 25.9  | 38.9  |



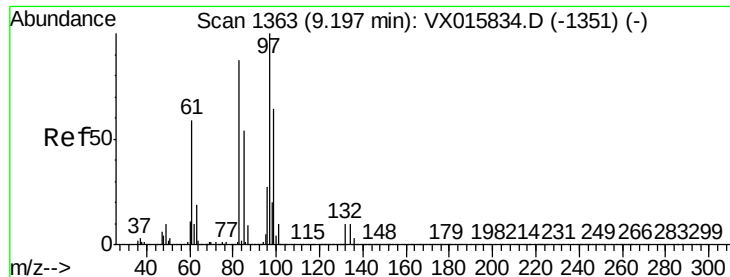
#54  
cis-1,3-Dichloropropene  
Concen: 102.168 ug/l  
RT: 8.42 min Scan# 1235  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Tgt Ion: 75 Resp: 1764467  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 31.1  | 26.0  | 39.0  |
| 39  | 51.7  | 42.8  | 64.2  |



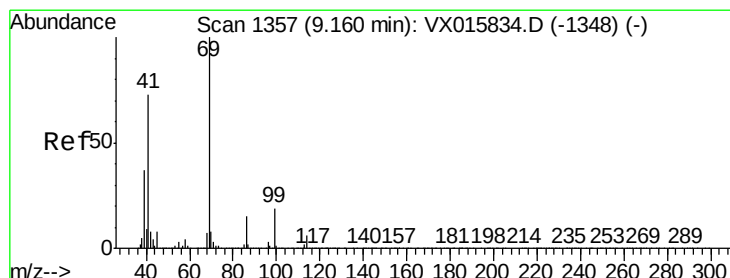
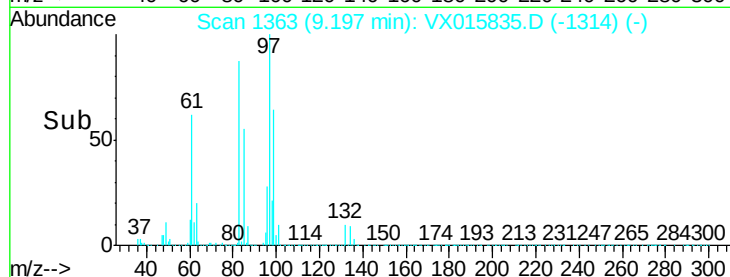
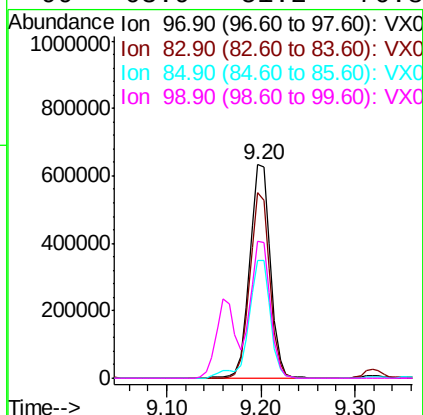
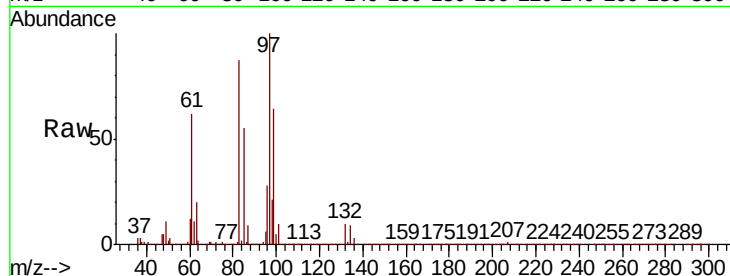




#55  
 1,1,2-Trichloroethane  
 Concen: 100.274 ug/l  
 RT: 9.20 min Scan# 1363  
 Delta R.T. 0.00 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

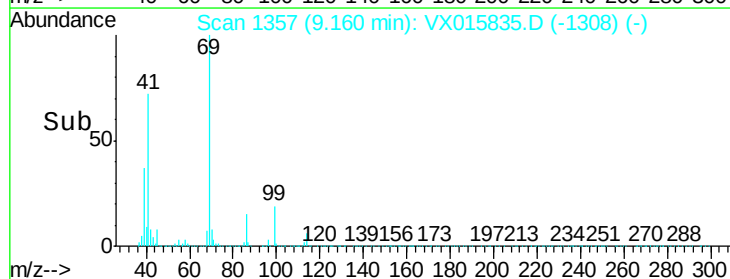
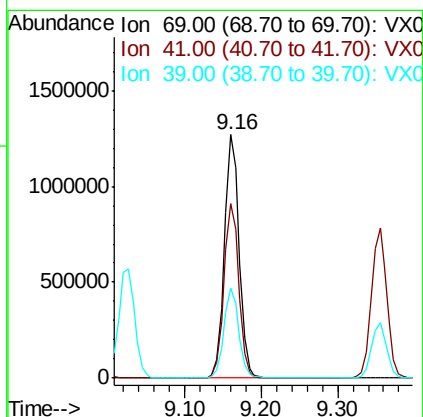
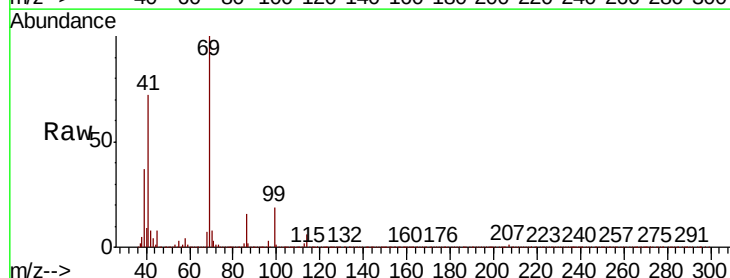
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

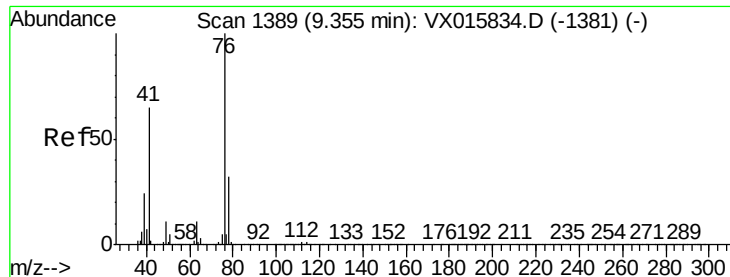
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 974970 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 87.1  | 69.8  | 104.8  |
| 85       | 55.2  | 43.4  | 65.2   |
| 99       | 63.9  | 51.2  | 76.8   |



#56  
 Ethyl methacrylate  
 Concen: 103.331 ug/l  
 RT: 9.16 min Scan# 1357  
 Delta R.T. 0.00 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 69    | Resp: | 1684116 |
| Ion      | Ratio | Lower | Upper   |
| 69       | 100   |       |         |
| 41       | 72.5  | 57.4  | 86.2    |
| 39       | 37.3  | 29.7  | 44.5    |





#57

1,3-Dichloropropane

Concen: 100.300 ug/l

RT: 9.36 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

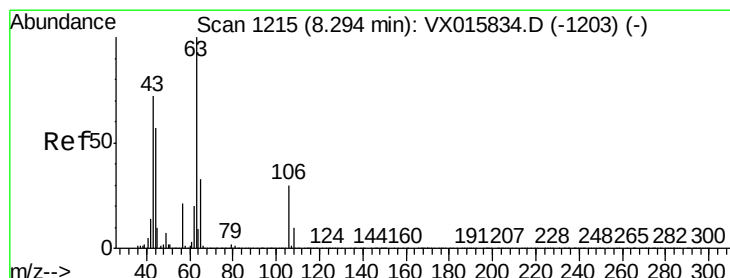
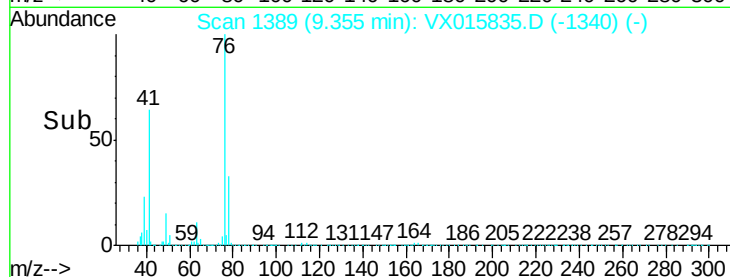
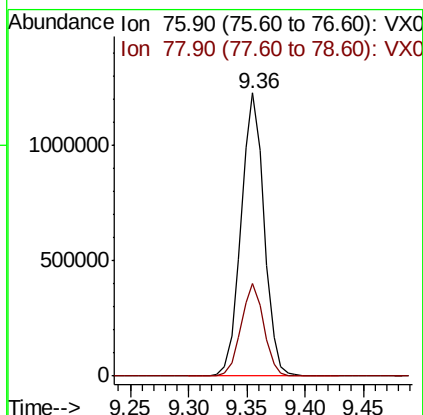
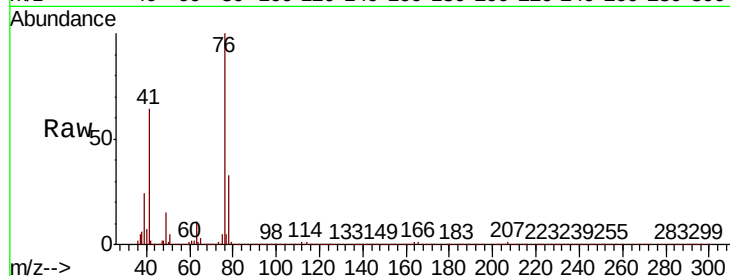
VSTDIC100

Tot Ion: 76 Resp: 1697982

Ion Ratio Lower Upper

76 100

78 32.2 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 507.282 ug/l

RT: 8.29 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VX015835.D

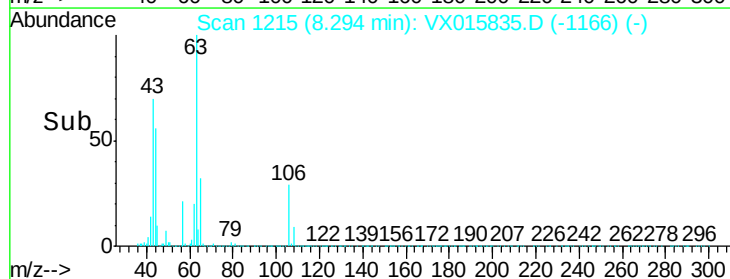
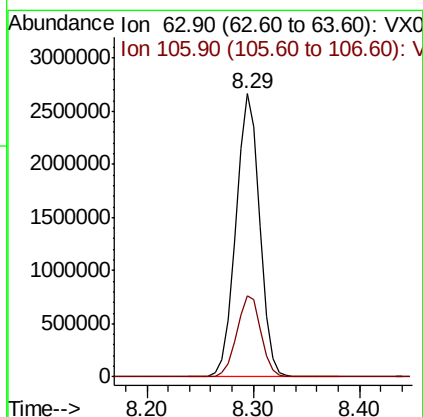
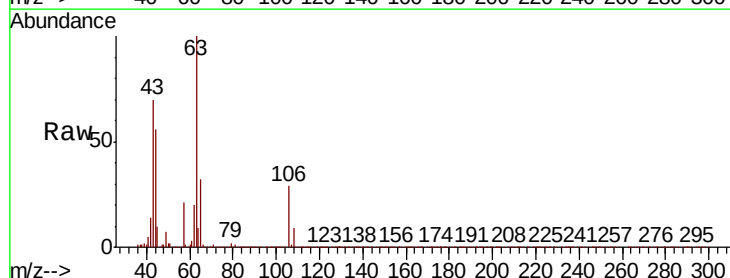
Acq: 22 Apr 2020 11:29

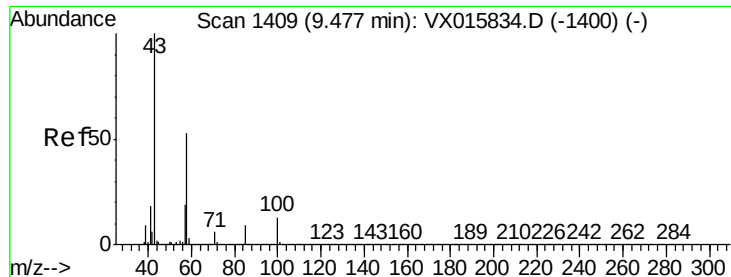
Tgt Ion: 63 Resp: 4173154

Ion Ratio Lower Upper

63 100

106 29.2 23.8 35.8

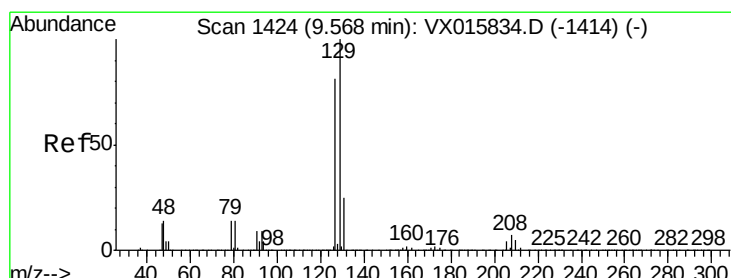
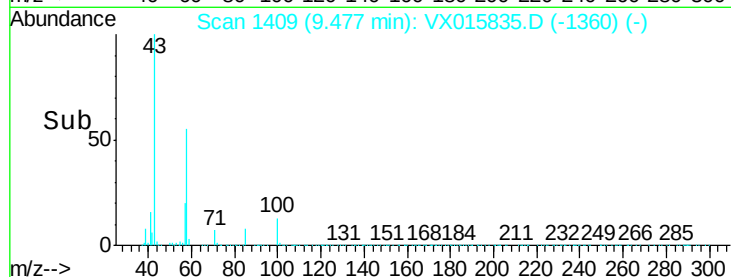
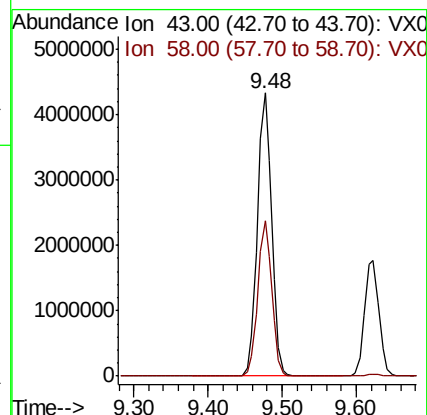
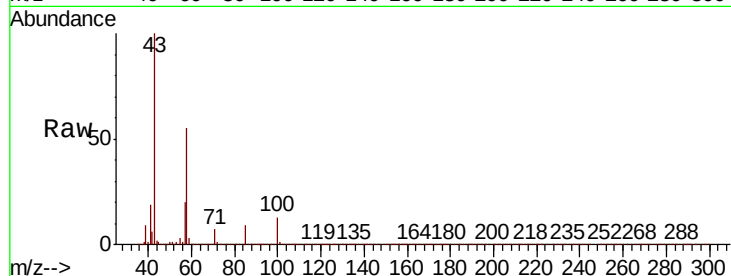




#59  
2-Hexanone  
Concen: 516.464 ug/l  
RT: 9.48 min Scan# 1409  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

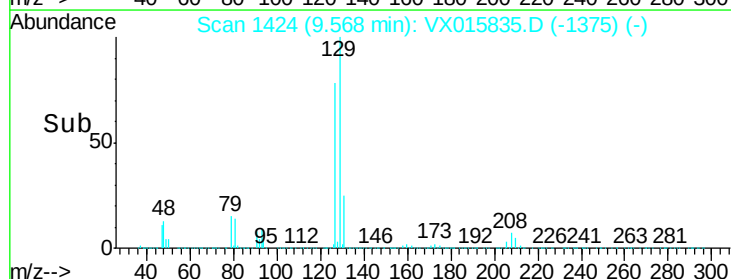
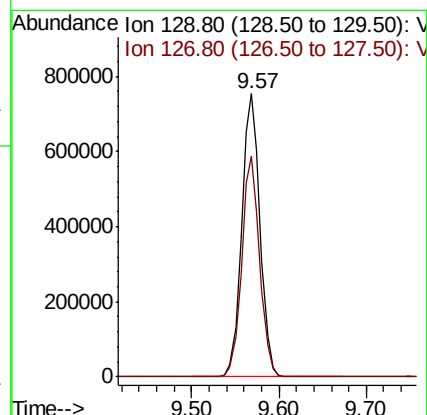
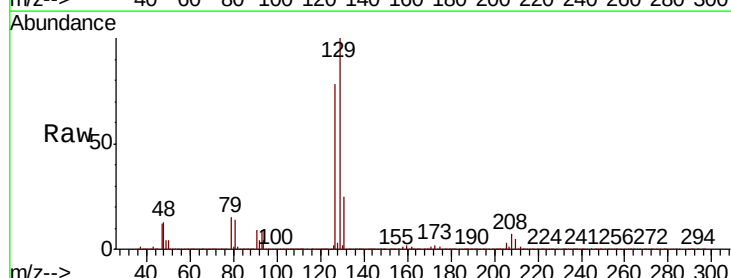
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

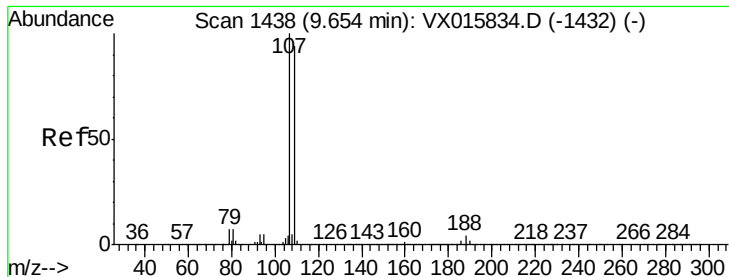
Tot Ion: 43 Resp: 5850908  
Ion Ratio Lower Upper  
43 100  
58 53.8 26.5 79.4



#60  
Dibromochloromethane  
Concen: 115.291 ug/l  
RT: 9.57 min Scan# 1424  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Tgt Ion: 129 Resp: 1096487  
Ion Ratio Lower Upper  
129 100  
127 76.8 40.0 120.0





#61

1,2-Dibromoethane

Concen: 98.331 ug/l

RT: 9.65 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

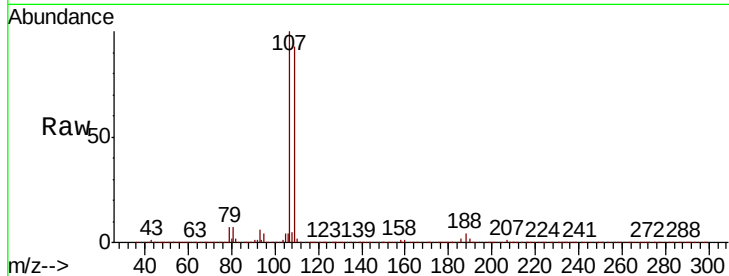
VSTDIC100

Tot Ion:107 Resp: 1067440

Ion Ratio Lower Upper

107 100

109 93.9 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

800000

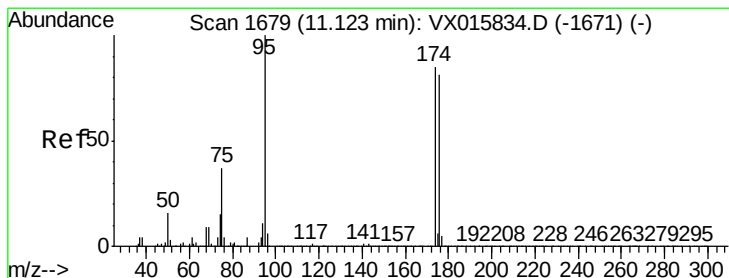
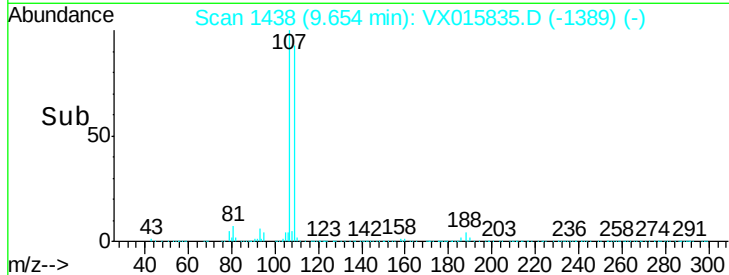
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 92.449 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

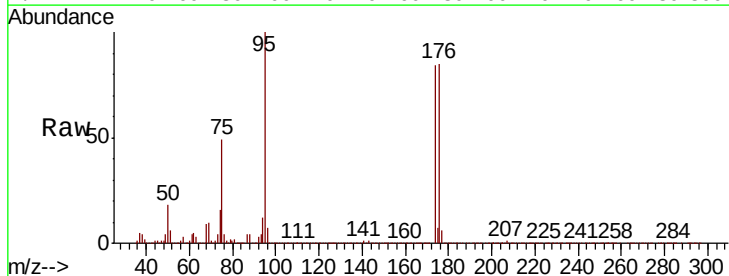
Tgt Ion: 95 Resp: 1424129

Ion Ratio Lower Upper

95 100

174 85.6 0.0 172.4

176 83.3 0.0 167.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

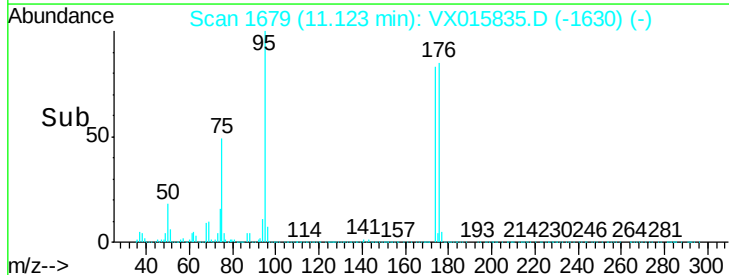
1500000

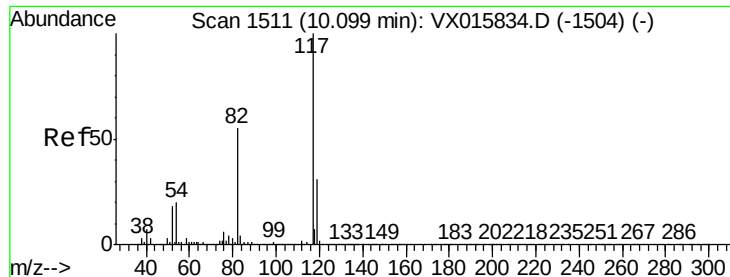
1000000

500000

0

Time-->

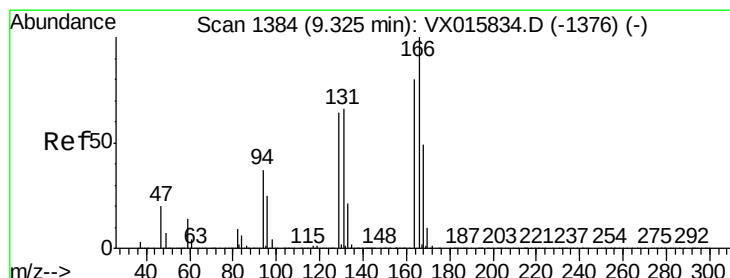
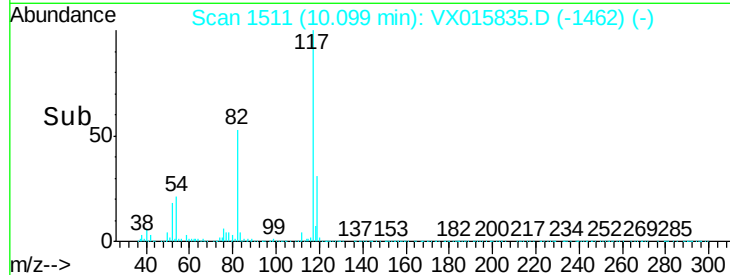
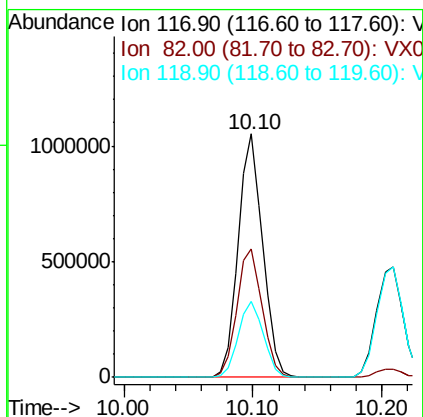
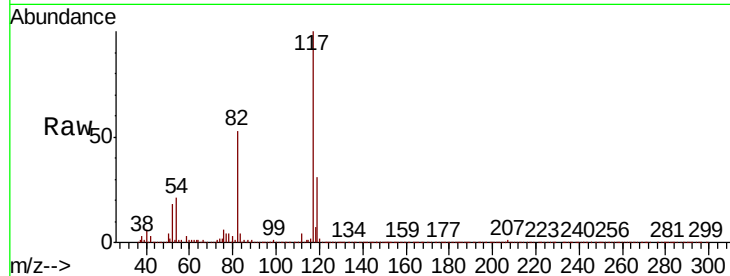




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1511  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

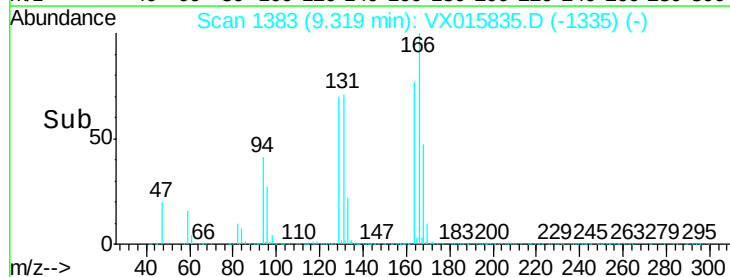
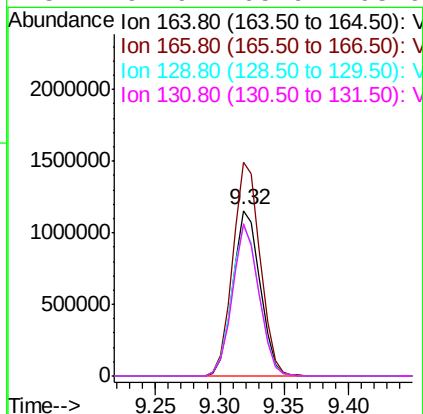
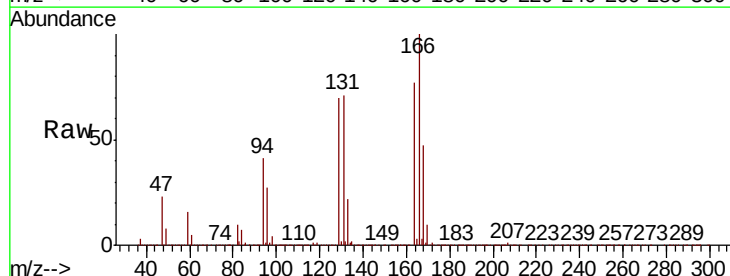
Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDICC100

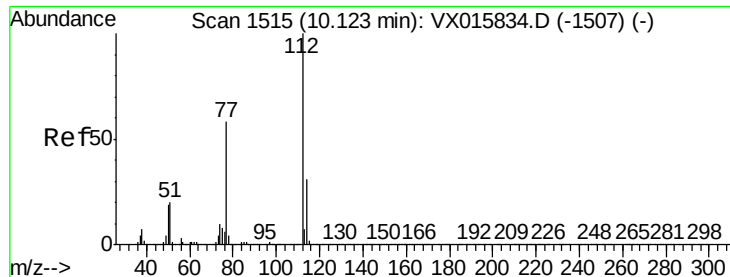
Tot Ion:117 Resp: 1386890  
Ion Ratio Lower Upper  
117 100  
82 52.7 43.9 65.9  
119 31.2 25.1 37.7



#64  
Tetrachloroethene  
Concen: 87.993 ug/l  
RT: 9.32 min Scan# 1383  
Delta R.T. -0.01 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Tgt Ion:164 Resp: 1710029  
Ion Ratio Lower Upper  
164 100  
166 129.3 100.2 150.2  
129 90.8 64.5 96.7  
131 91.9 65.9 98.9

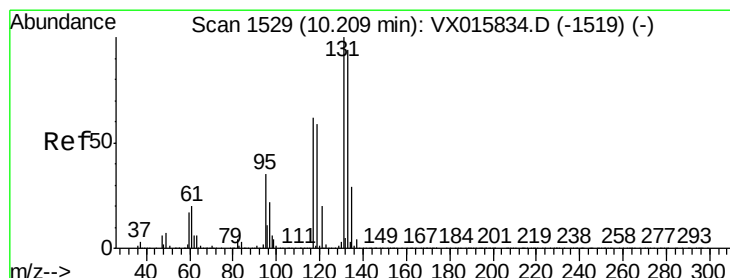
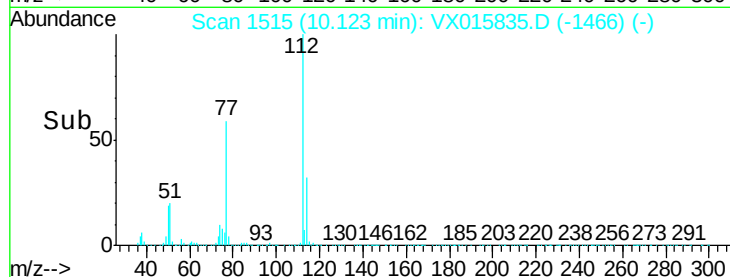
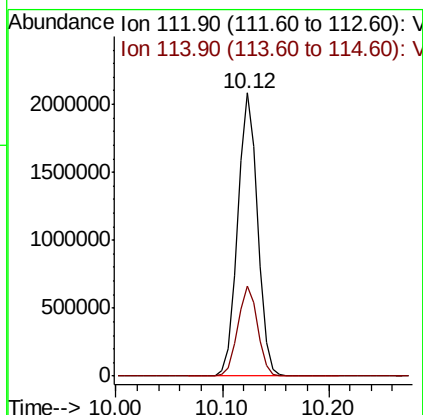
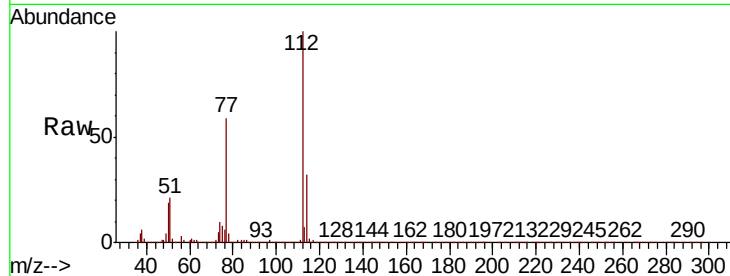




#65  
Chlorobenzene  
Concen: 97.607 ug/l  
RT: 10.12 min Scan# 1515  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

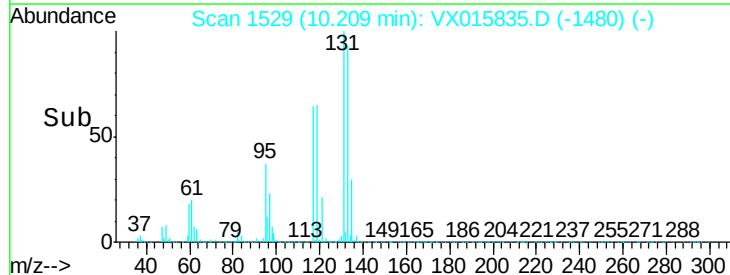
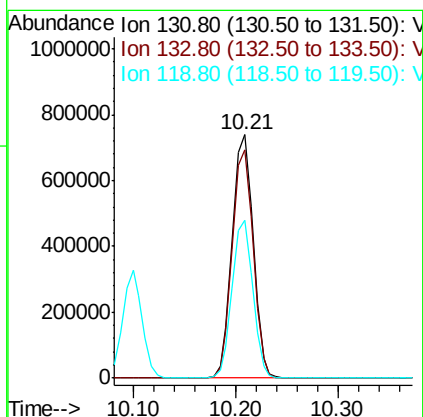
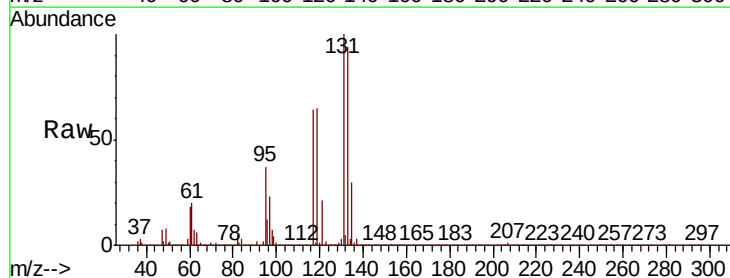
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

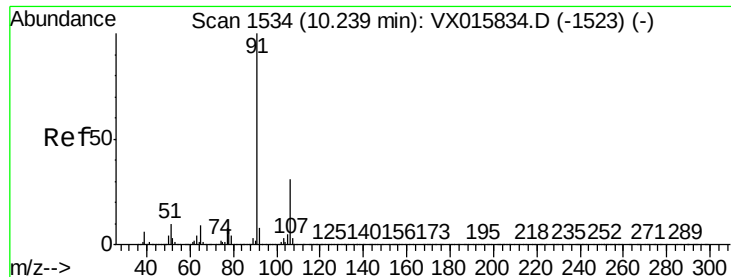
Tot Ion:112 Resp: 2733754  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 101.852 ug/l  
RT: 10.21 min Scan# 1529  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Tgt Ion:131 Resp: 1046366  
Ion Ratio Lower Upper  
131 100  
133 93.7 47.0 141.2  
119 63.7 30.9 92.8





#67

Ethyl Benzene

Concen: 94.884 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

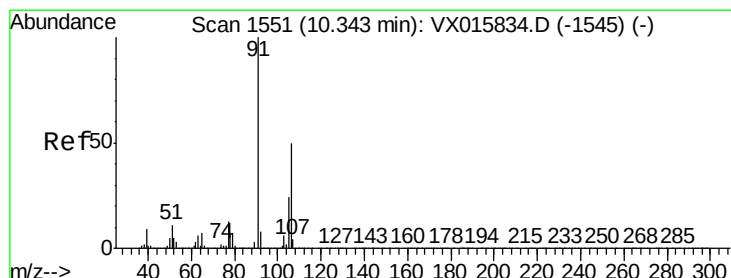
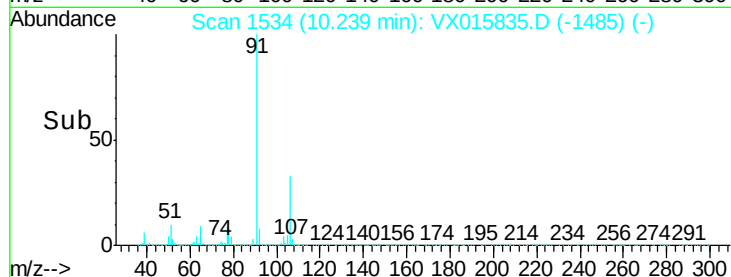
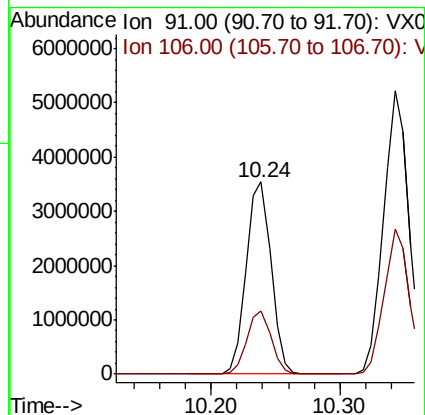
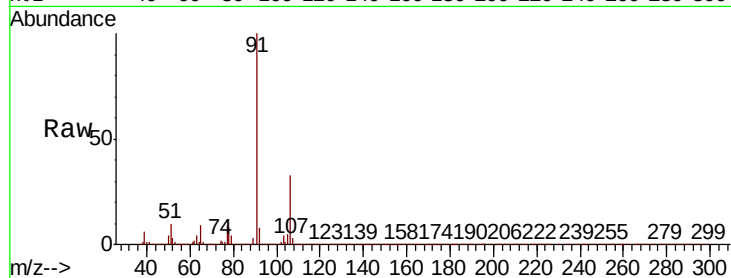
VSTDIC100

Tot Ion: 91 Resp: 4700189

Ion Ratio Lower Upper

91 100

106 32.9 25.0 37.4



#68

m/p-Xylenes

Concen: 193.241 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VX015835.D

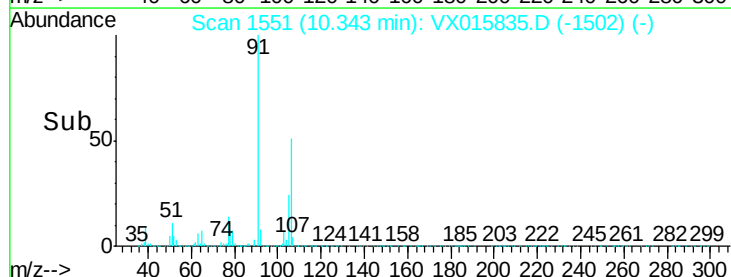
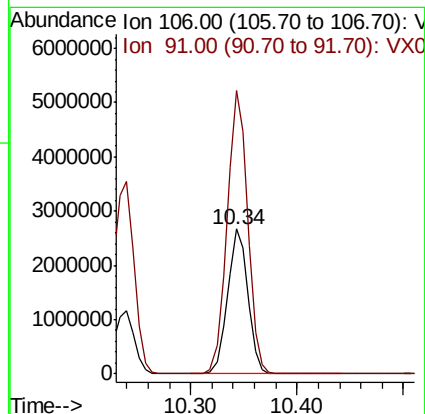
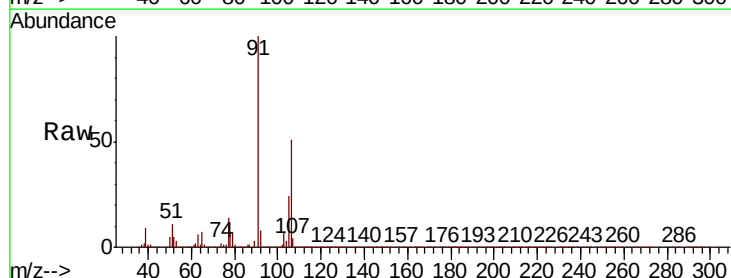
Acq: 22 Apr 2020 11:29

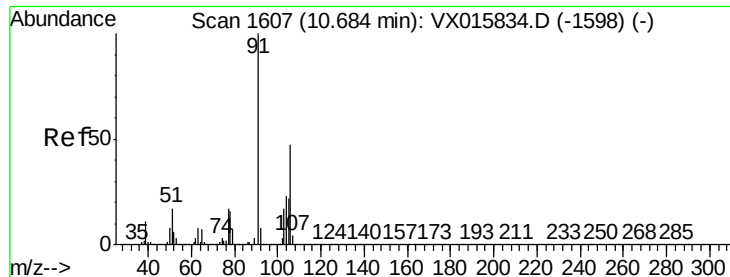
Tgt Ion: 106 Resp: 3577754

Ion Ratio Lower Upper

106 100

91 197.0 161.1 241.7

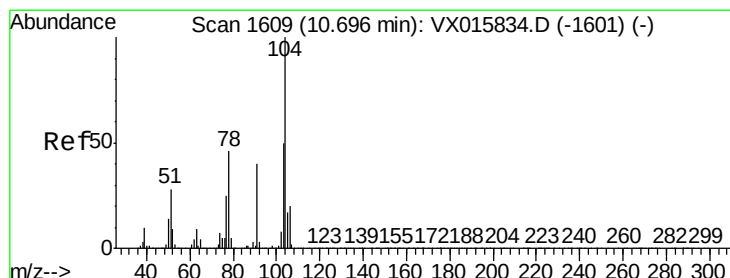
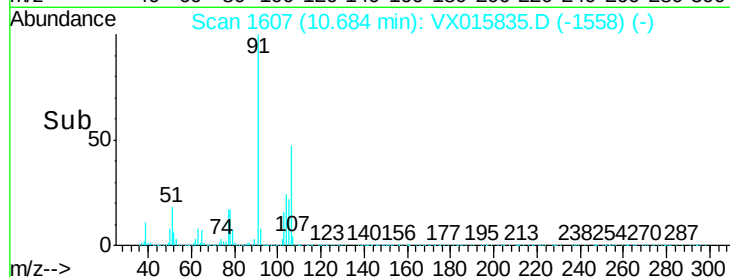
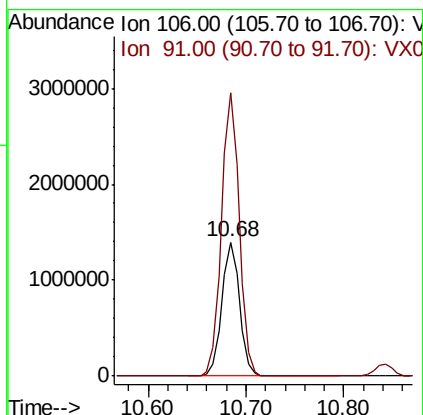
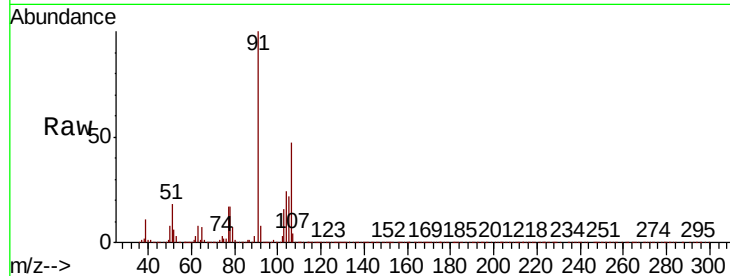




#69  
o-Xylene  
Concen: 96.672 ug/l  
RT: 10.68 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

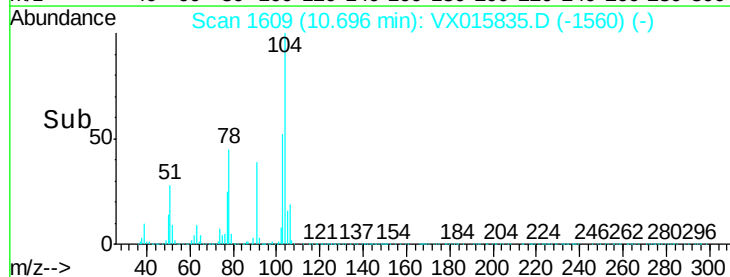
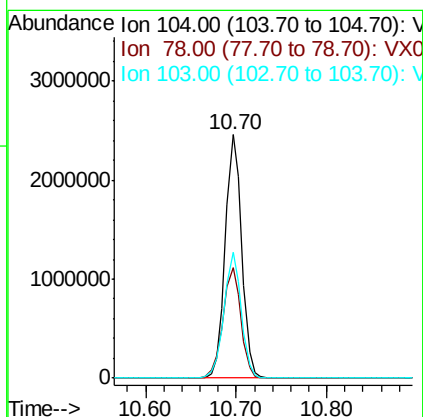
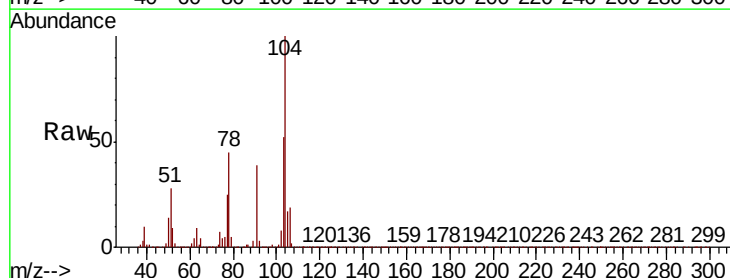
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tot Ion:106 Resp: 1756914  
Ion Ratio Lower Upper  
106 100  
91 211.6 107.1 321.3

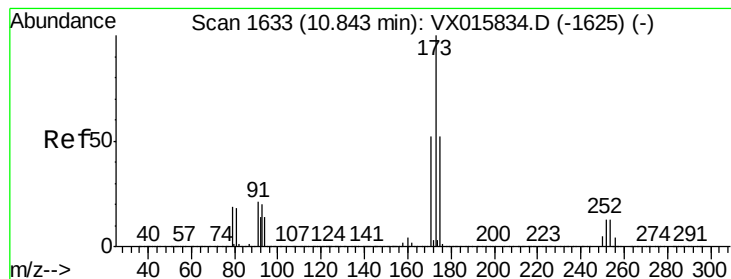


#70  
Styrene  
Concen: 99.356 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Tgt Ion:104 Resp: 3104027  
Ion Ratio Lower Upper  
104 100  
78 49.8 40.1 60.1  
103 54.2 43.3 64.9







#71

Bromoform

Concen: 135.778 ug/l

RT: 10.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

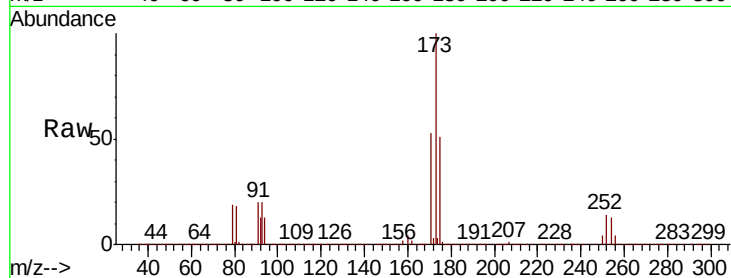
Tot Ion:173 Resp: 802830

Ion Ratio Lower Upper

173 100

175 49.4 25.1 75.4

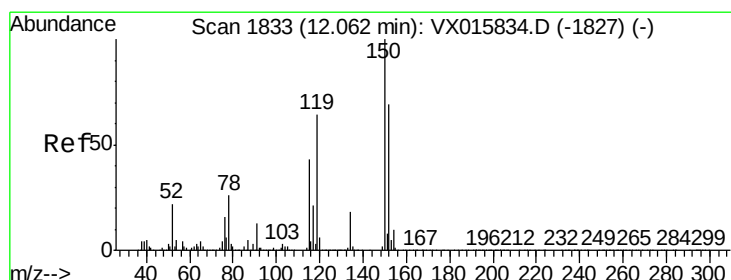
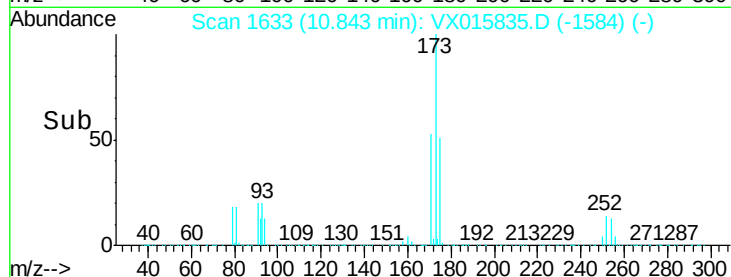
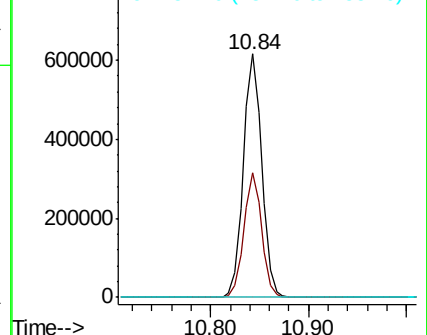
254 0.2 0.3 0.5#



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: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

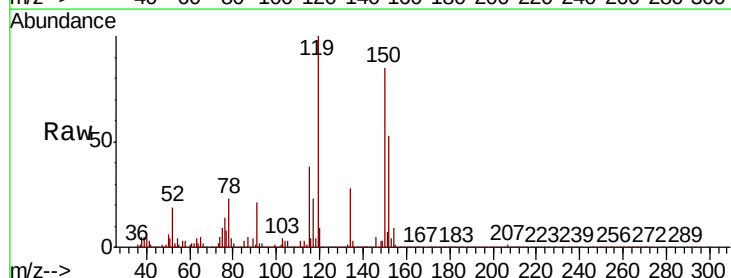
Tgt Ion:152 Resp: 735040

Ion Ratio Lower Upper

152 100

115 101.6 39.0 116.9

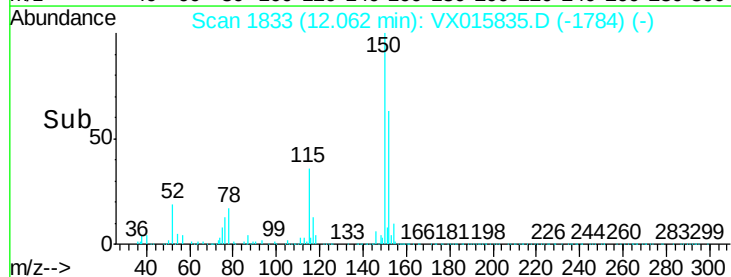
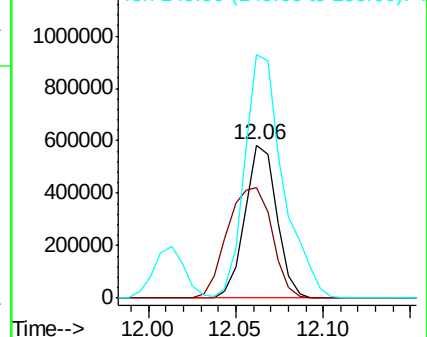
150 192.6 0.0 336.8

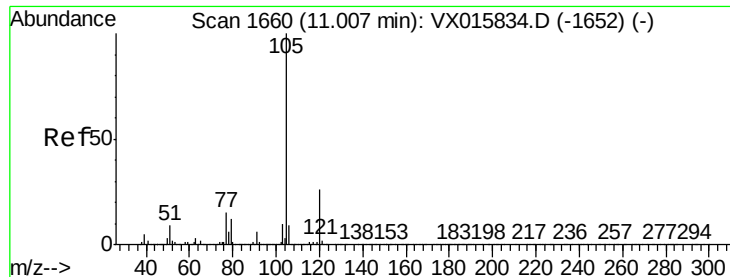


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 100.041 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

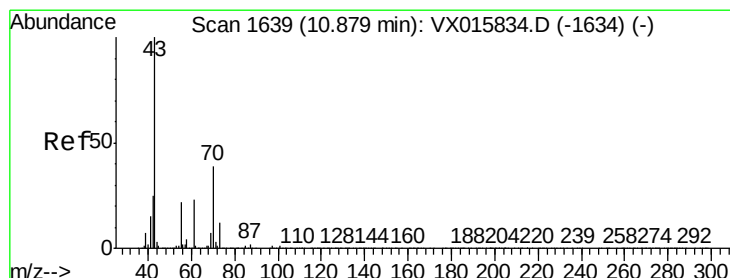
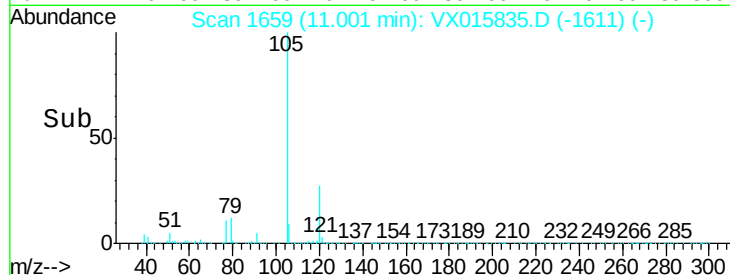
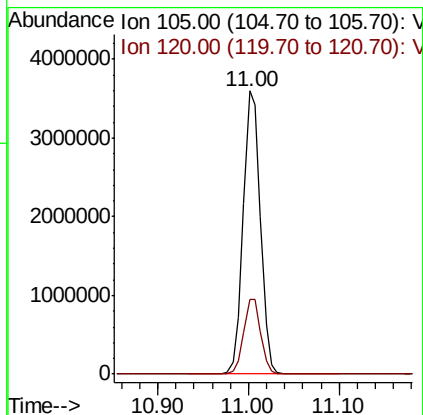
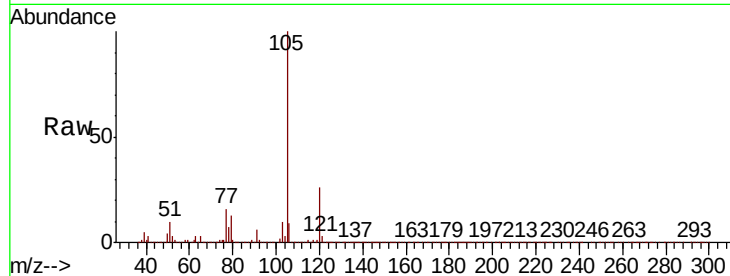
VSTDIC100

Tot Ion:105 Resp: 4700601

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.1



#74

N-ethyl acetate

Concen: 101.858 ug/l

RT: 10.89 min Scan# 1640

Delta R.T. 0.01 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Tgt Ion: 43 Resp: 2439041

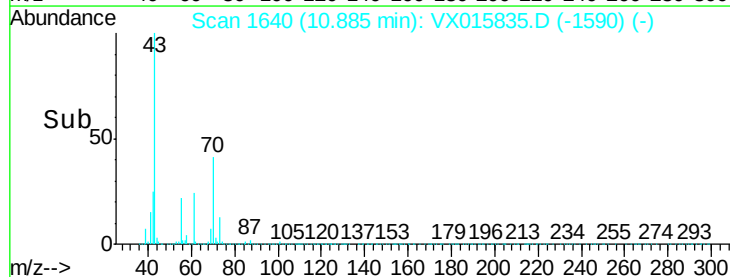
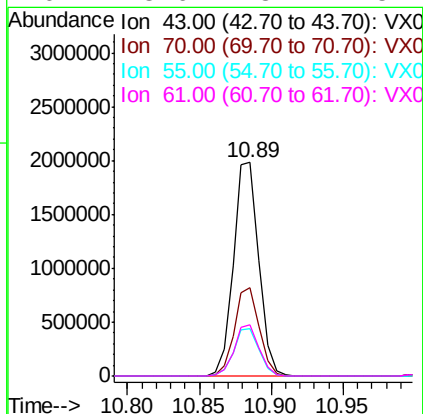
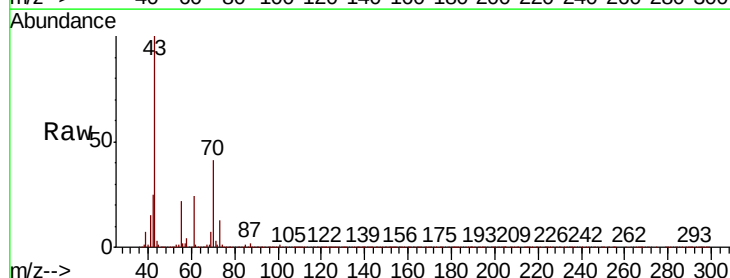
Ion Ratio Lower Upper

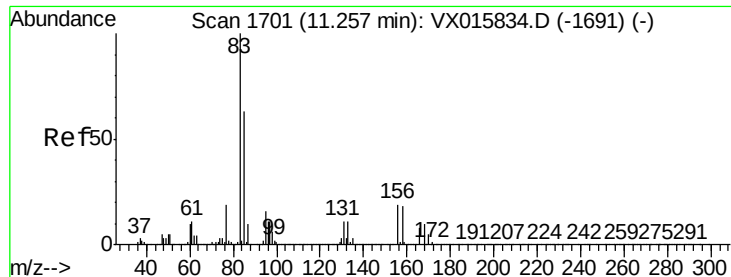
43 100

70 40.6 32.6 49.0

55 22.4 18.3 27.5

61 23.6 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 107.186 ug/l

RT: 11.26 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

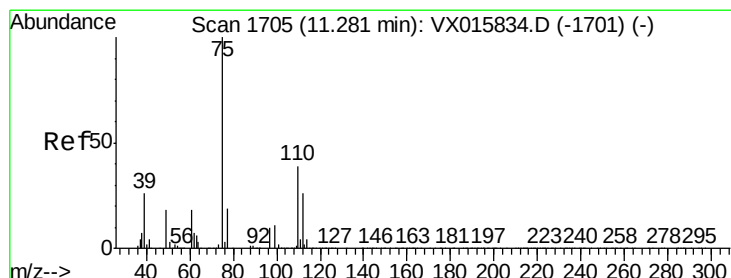
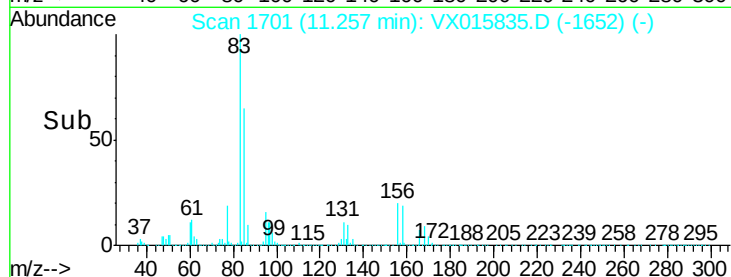
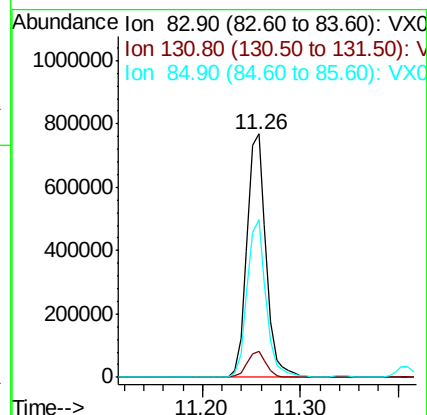
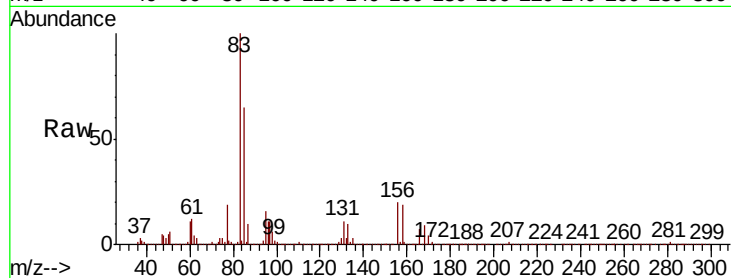
Tot Ion: 83 Resp: 1037806

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.4

85 64.2 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 113.231 ug/l

RT: 11.28 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VX015835.D

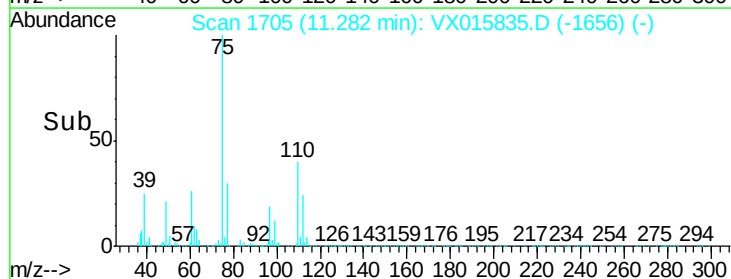
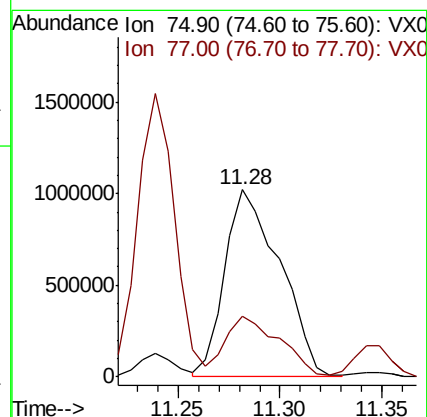
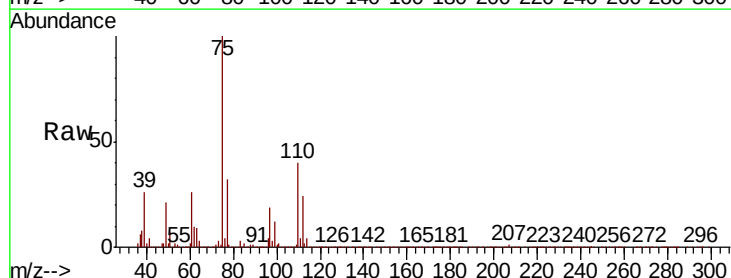
Acq: 22 Apr 2020 11:29

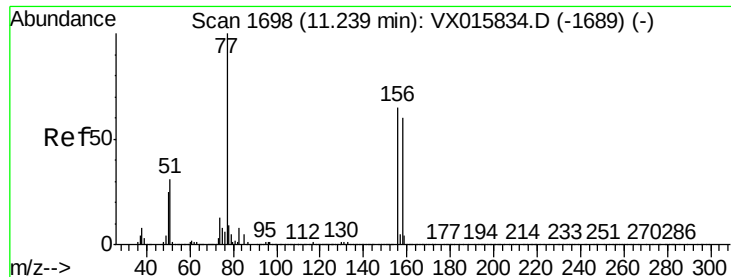
Tgt Ion: 75 Resp: 1920505

Ion Ratio Lower Upper

75 100

77 31.7 21.3 63.9





#77

Bromobenzene

Concen: 99.807 ug/l

RT: 11.24 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

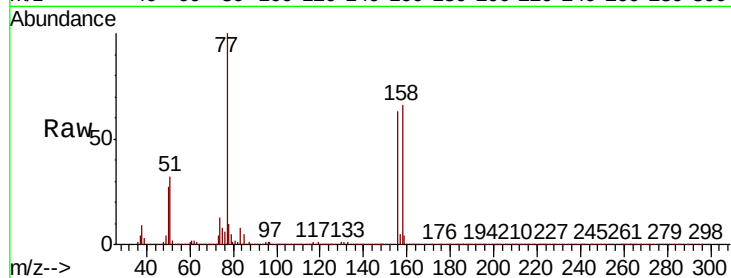
Tot Ion:156 Resp: 1270983

Ion Ratio Lower Upper

156 100

77 153.8 75.2 225.6

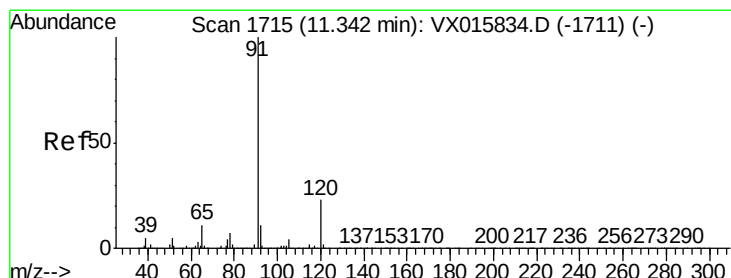
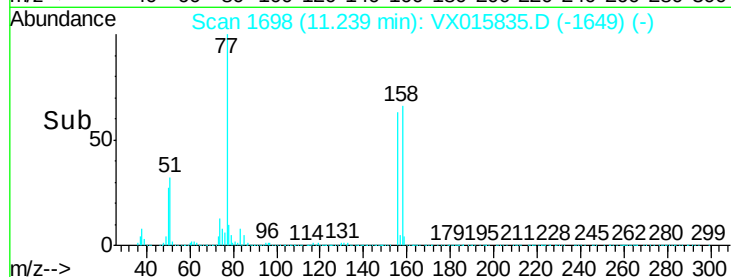
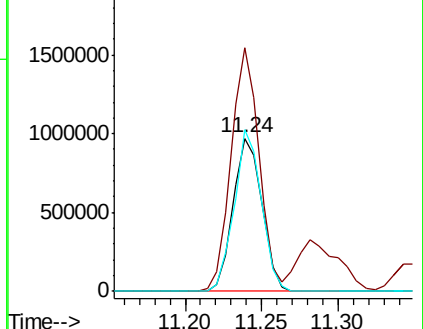
158 99.4 47.9 143.6



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: 98.816 ug/l

RT: 11.35 min Scan# 1716

Delta R.T. 0.01 min

Lab File: VX015835.D

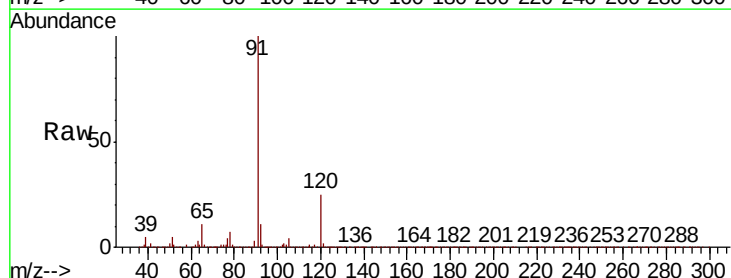
Acq: 22 Apr 2020 11:29

Tgt Ion: 91 Resp: 5324758

Ion Ratio Lower Upper

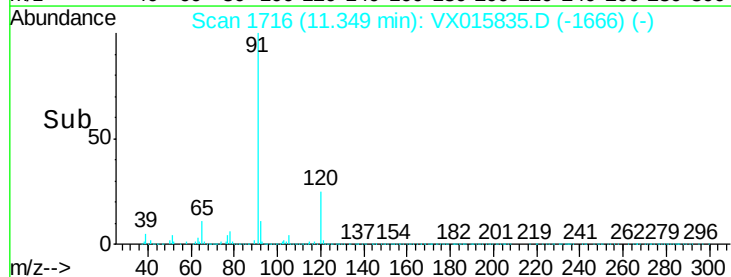
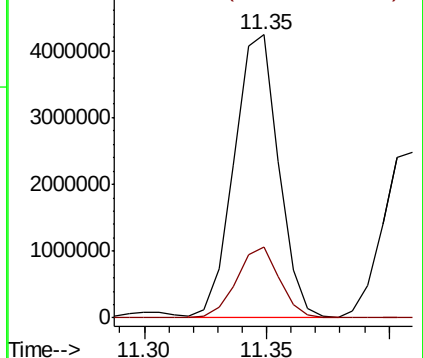
91 100

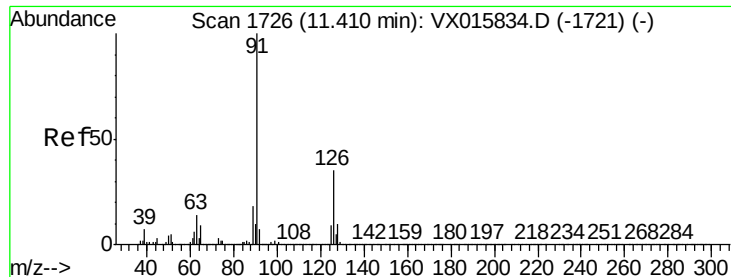
120 24.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 100.253 ug/l

RT: 11.41 min Scan# 1726

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

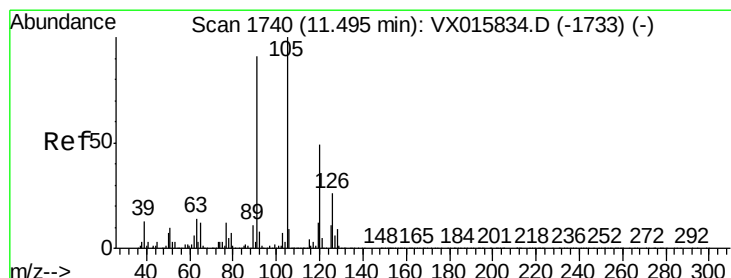
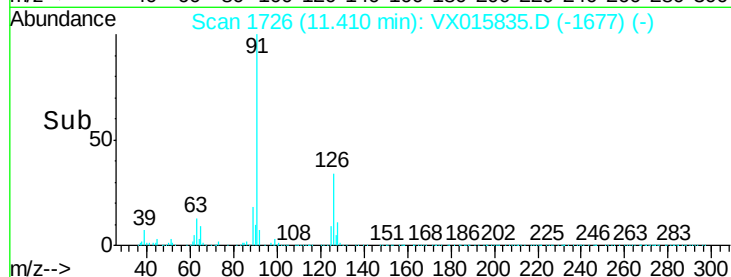
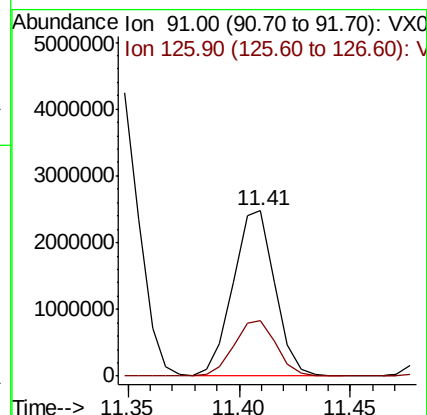
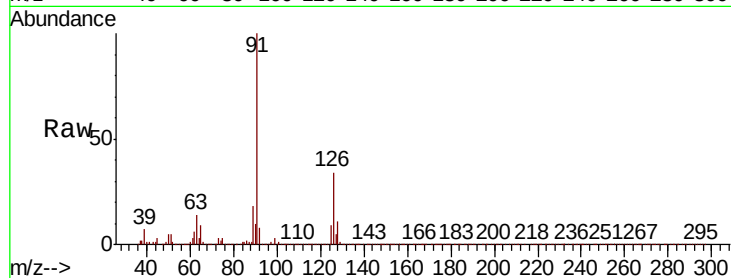
VSTDIC100

Tot Ion: 91 Resp: 3216237

Ion Ratio Lower Upper

91 100

126 34.0 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 101.381 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015835.D

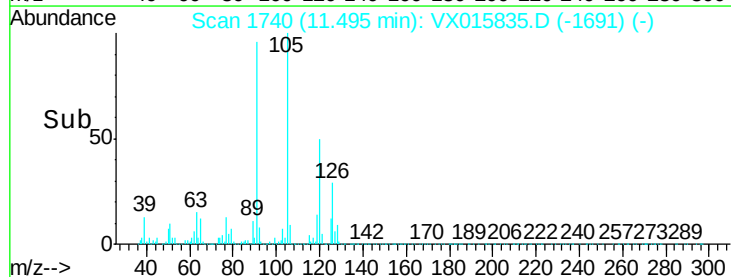
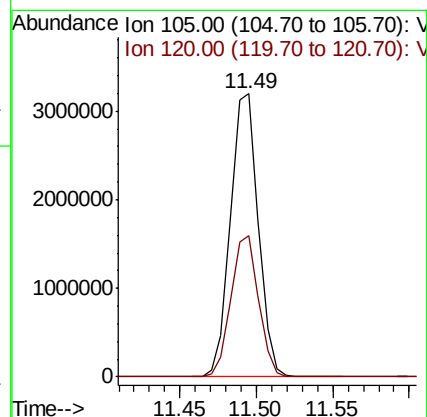
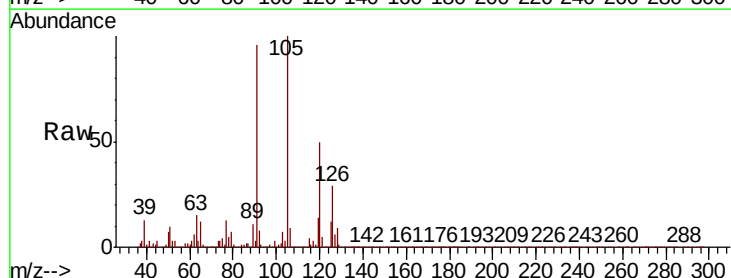
Acq: 22 Apr 2020 11:29

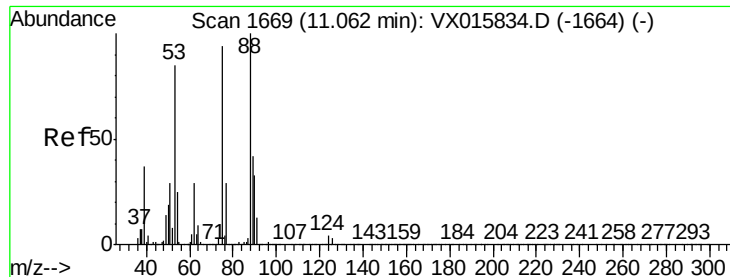
Tgt Ion: 105 Resp: 4025487

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 113.947 ug/l

RT: 11.06 min Scan# 1669

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

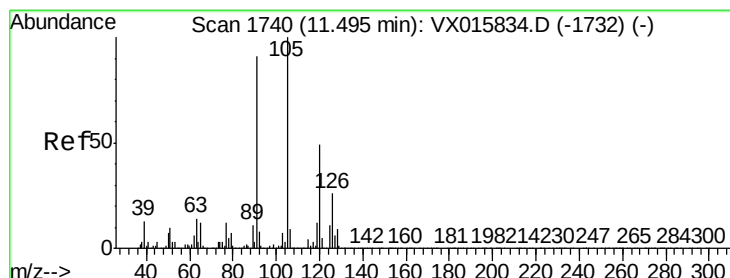
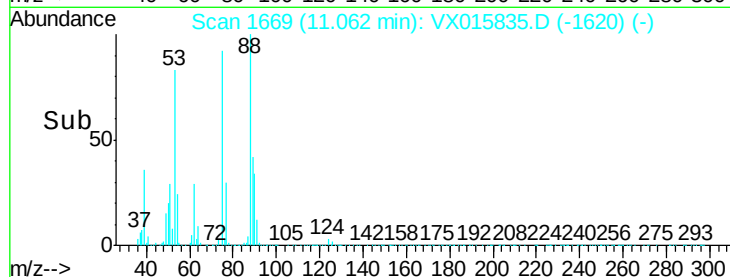
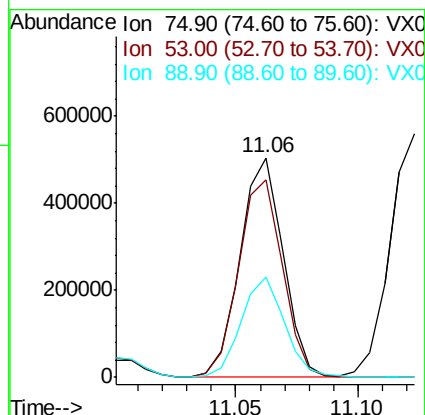
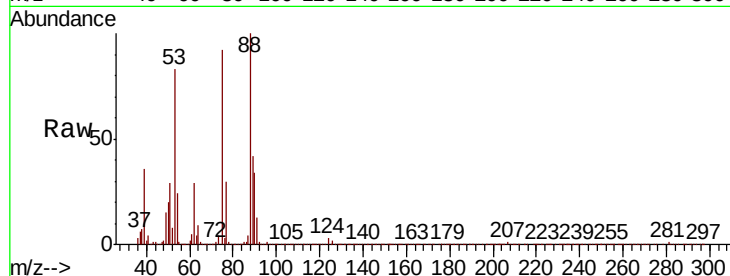
Tot Ion: 75 Resp: 617555

Ion Ratio Lower Upper

75 100

53 91.9 74.2 111.2

89 46.3 38.0 57.0



#82

4-Chlorotoluene

Concen: 100.167 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015835.D

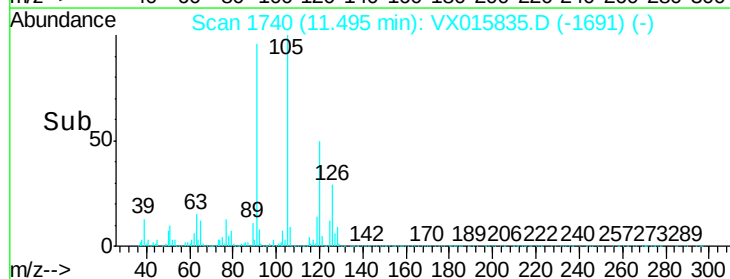
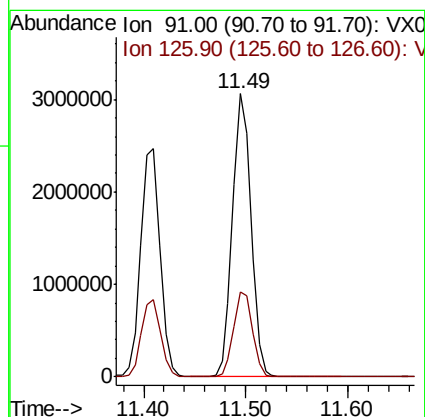
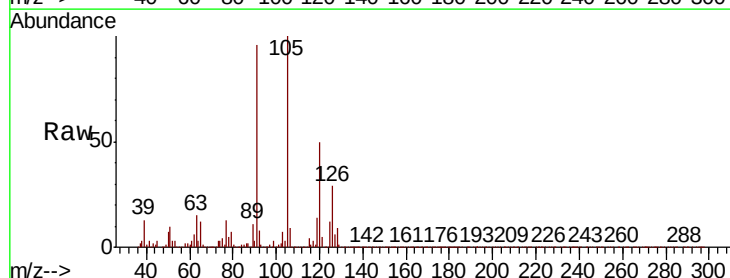
Acq: 22 Apr 2020 11:29

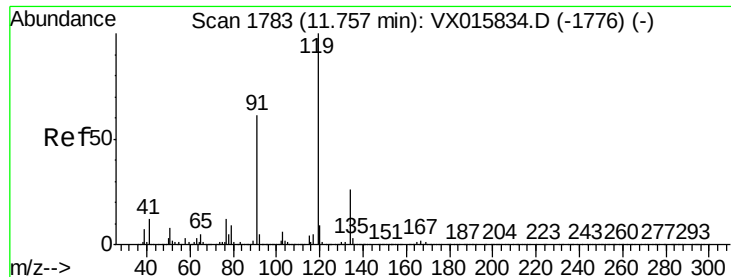
Tgt Ion: 91 Resp: 3831875

Ion Ratio Lower Upper

91 100

126 30.4 15.0 45.0





#83

tert-Butylbenzene

Concen: 100.855 ug/l

RT: 11.76 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

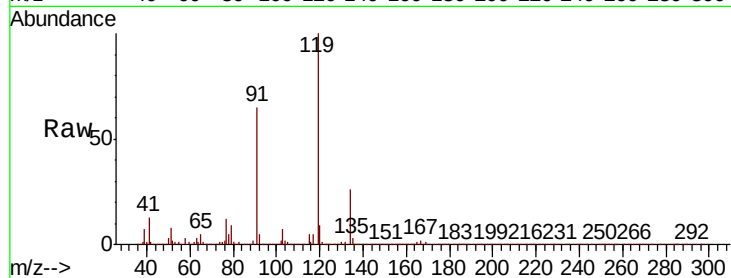
Tot Ion:119 Resp: 3561393

Ion Ratio Lower Upper

119 100

91 64.7 30.9 92.7

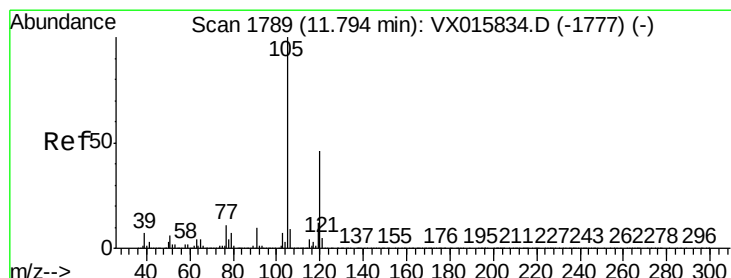
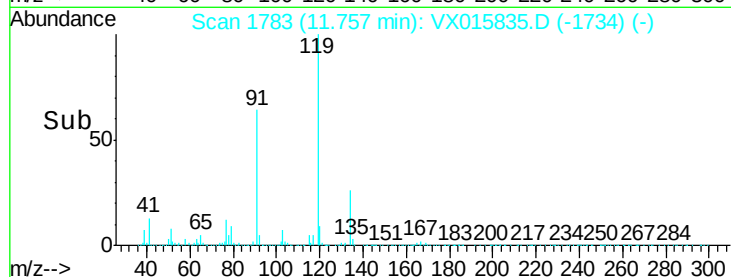
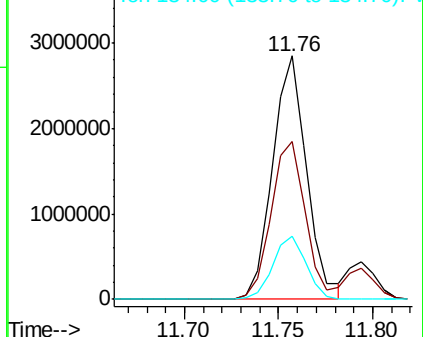
134 25.2 12.4 37.2



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: 100.659 ug/l

RT: 11.79 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX015835.D

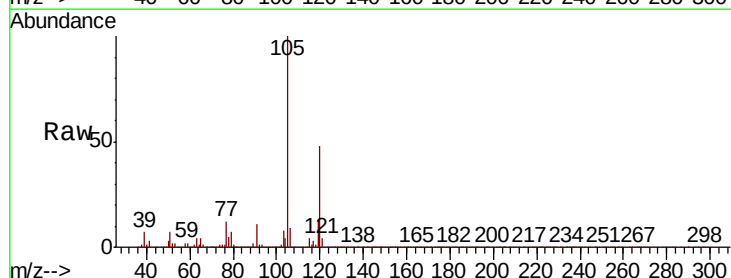
Acq: 22 Apr 2020 11:29

Tgt Ion:105 Resp: 4156035

Ion Ratio Lower Upper

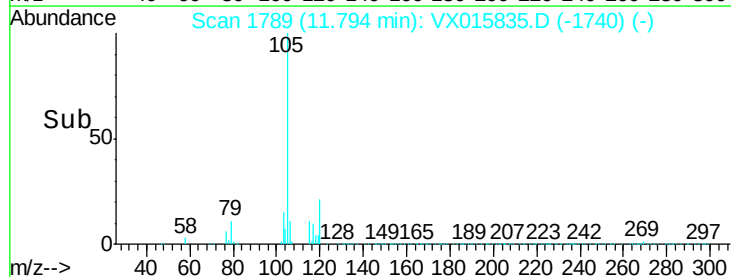
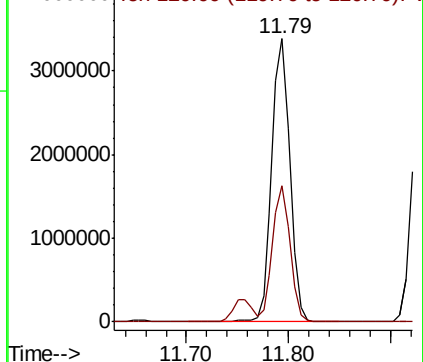
105 100

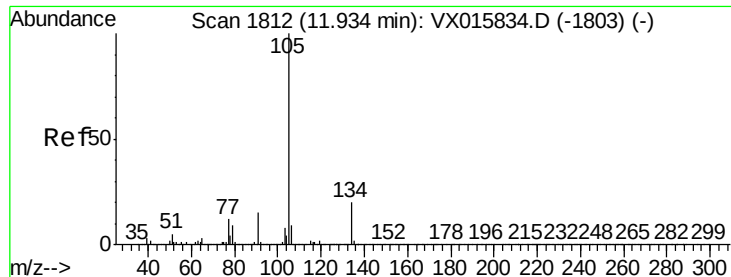
120 46.7 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 100.822 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :

MSVOA\_X

ClientSampleId :

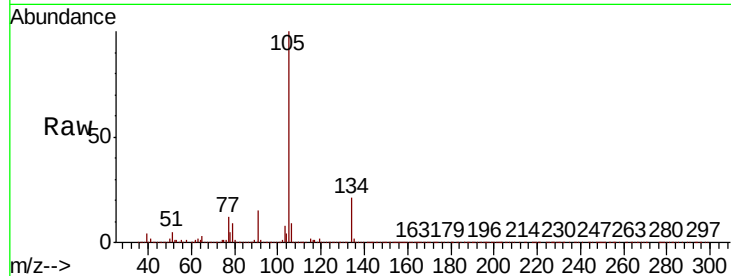
VSTDIC100

Tot Ion:105 Resp: 4703088

Ion Ratio Lower Upper

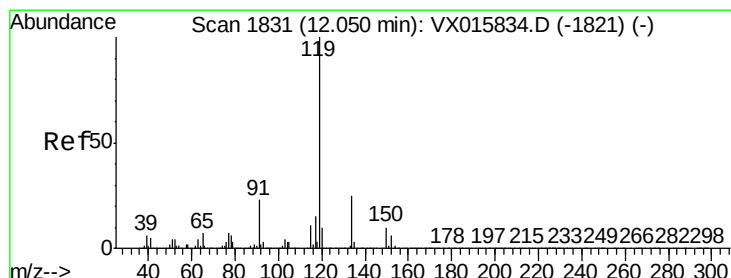
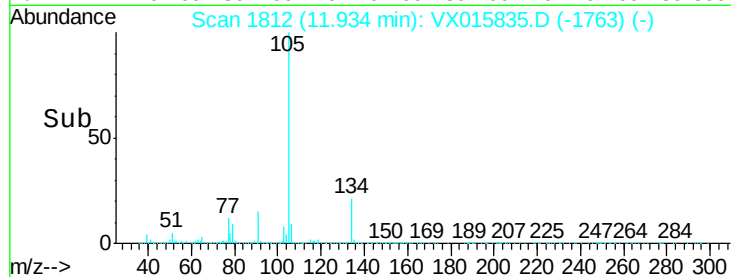
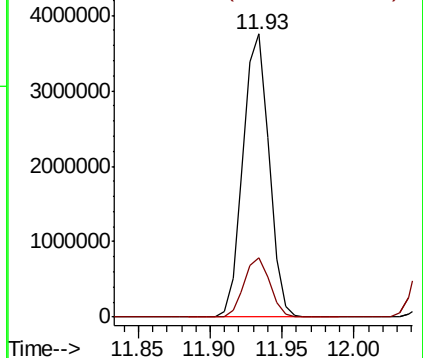
105 100

134 20.9 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 101.120 ug/l

RT: 12.05 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

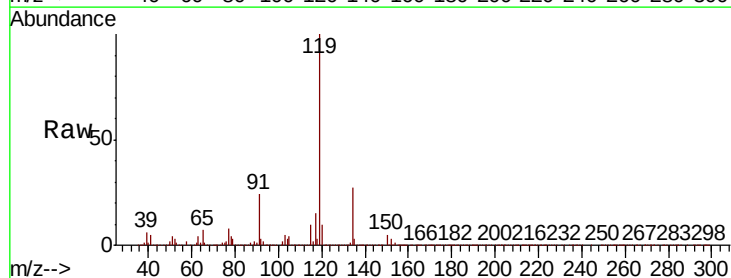
Tgt Ion:119 Resp: 4390937

Ion Ratio Lower Upper

119 100

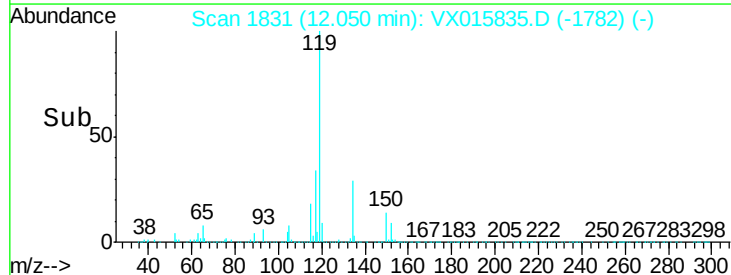
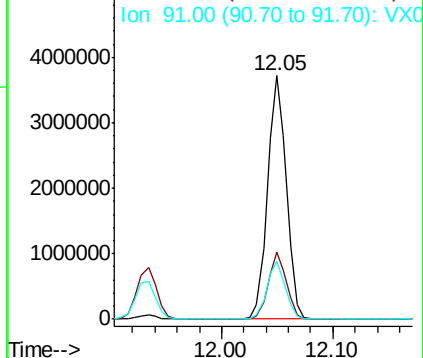
134 26.4 13.0 38.9

91 23.3 11.5 34.5

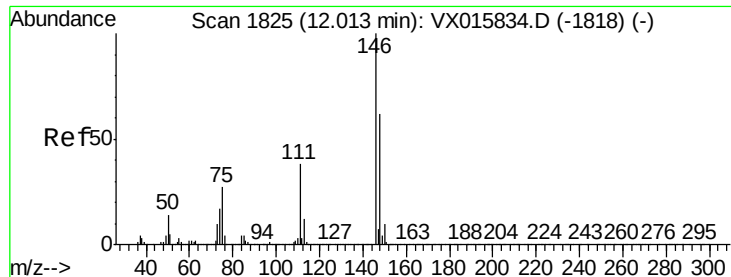


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V







#87

1,3-Dichlorobenzene

Concen: 100.045 ug/l

RT: 12.01 min Scan# 1825

Delta R.T. 0.00 min

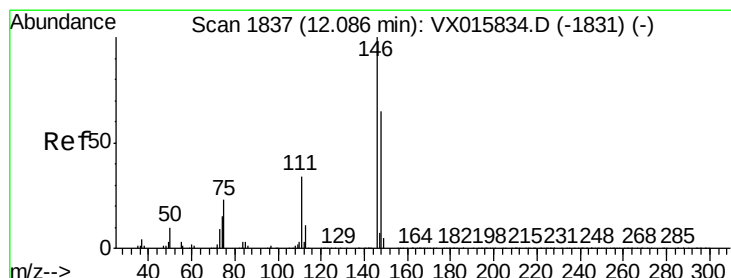
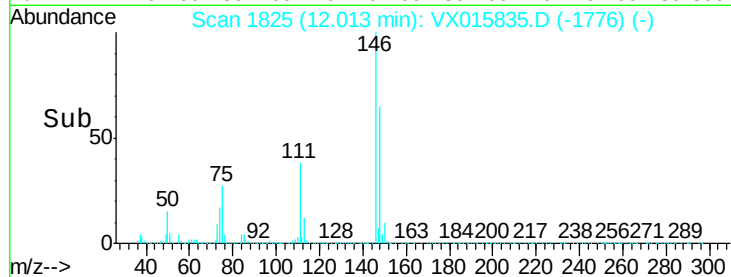
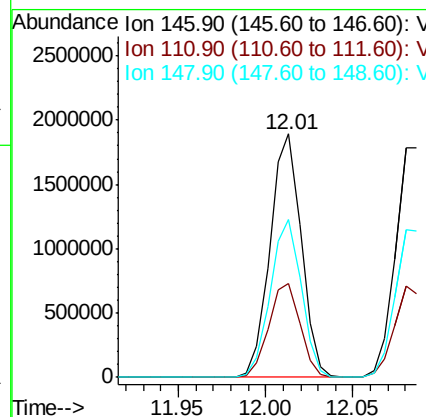
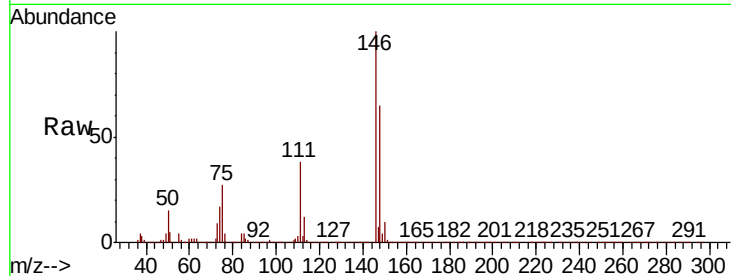
Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tot Ion:146 Resp: 2345229

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 38.9  | 19.1  | 57.1  |
| 148 | 64.4  | 30.9  | 92.7  |



#88

1,4-Dichlorobenzene

Concen: 98.842 ug/l

RT: 12.09 min Scan# 1837

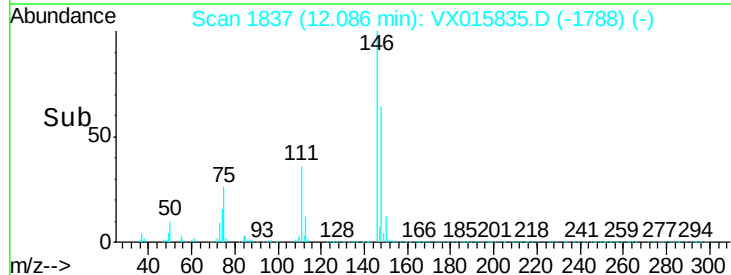
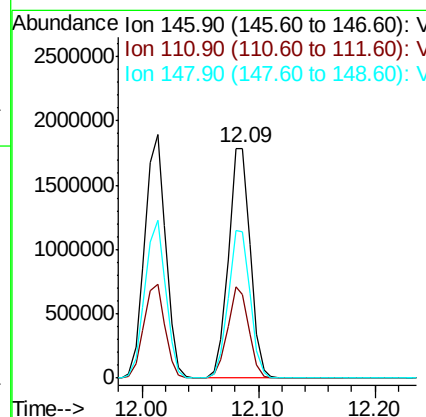
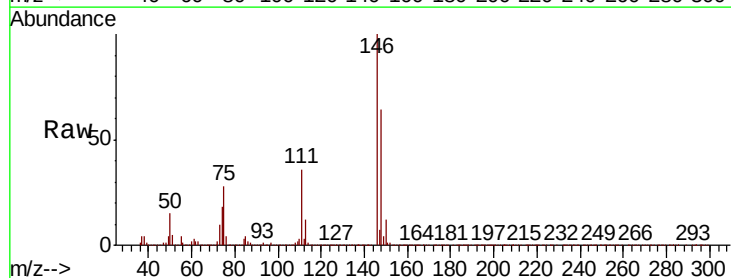
Delta R.T. 0.00 min

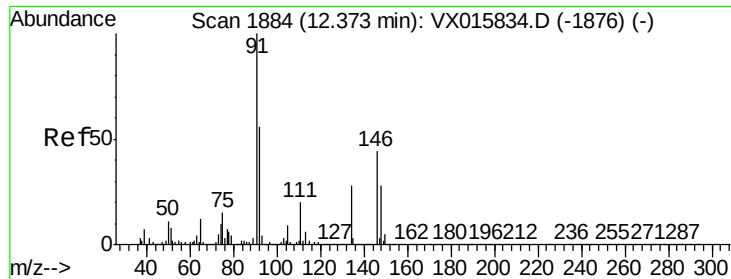
Lab File: VX015835.D

Acq: 22 Apr 2020 11:29

Tgt Ion:146 Resp: 2309011

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 38.1  | 19.4  | 58.2  |
| 148 | 64.4  | 33.8  | 101.4 |

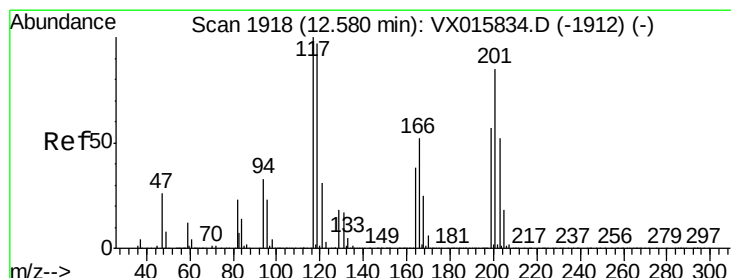
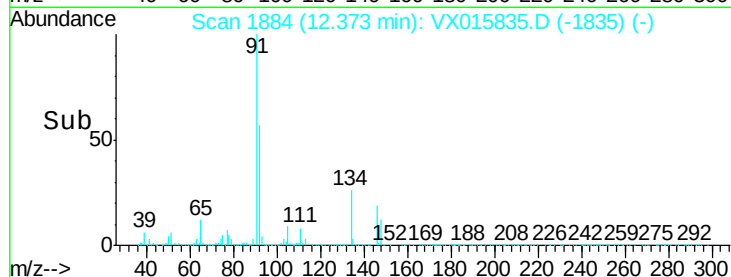
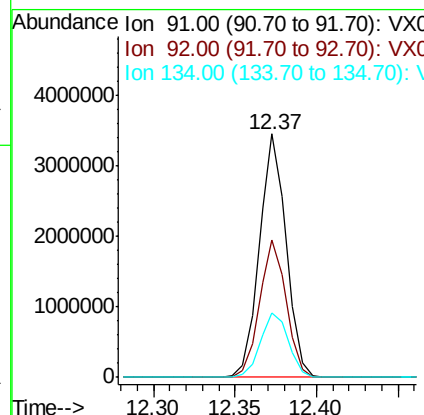
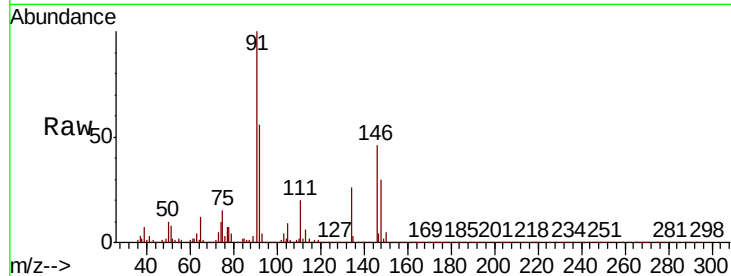




#89  
n-Butylbenzene  
Concen: 101.357 ug/l  
RT: 12.37 min Scan# 1884  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

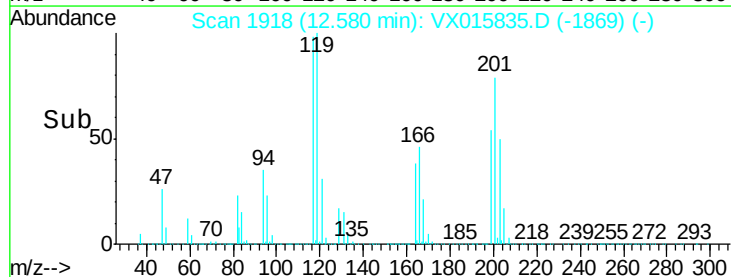
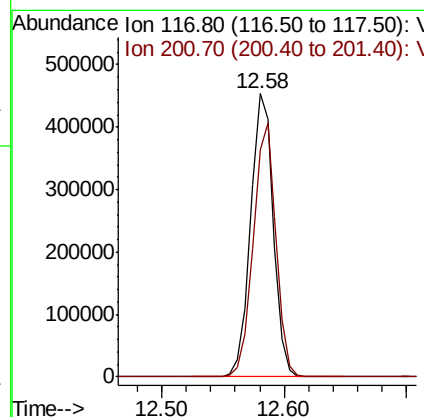
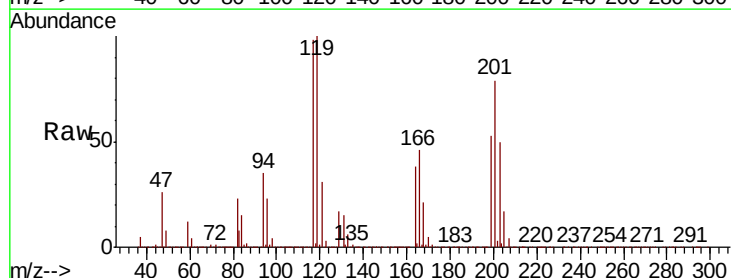
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

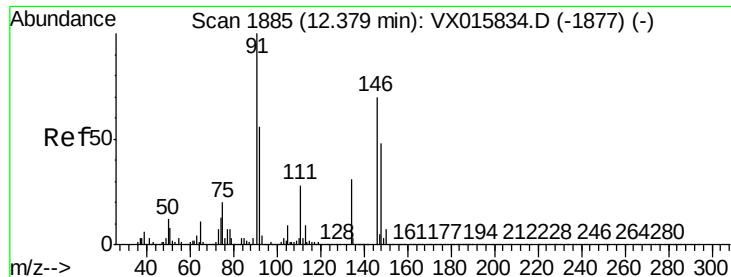
Tot Ion: 91 Resp: 3922476  
Ion Ratio Lower Upper  
91 100  
92 56.6 27.7 83.1  
134 27.6 14.1 42.4



#90  
Hexachloroethane  
Concen: 153.029 ug/l  
RT: 12.58 min Scan# 1918  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Tgt Ion: 117 Resp: 585770  
Ion Ratio Lower Upper  
117 100  
201 89.6 45.6 136.9

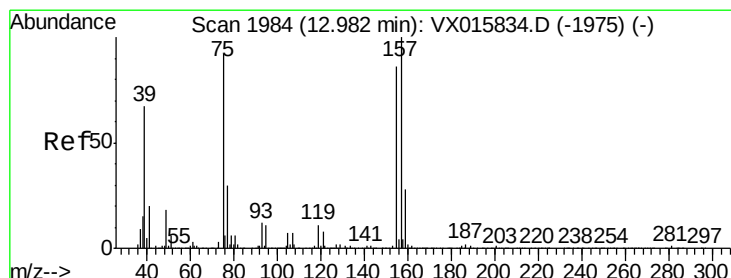
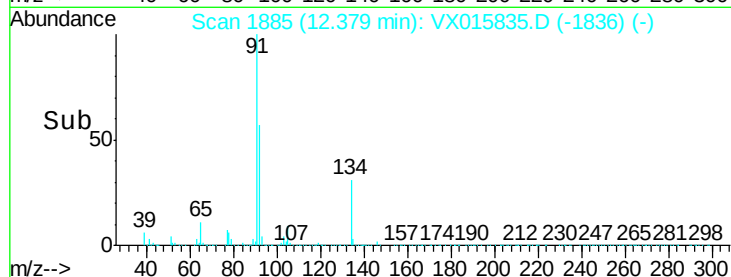
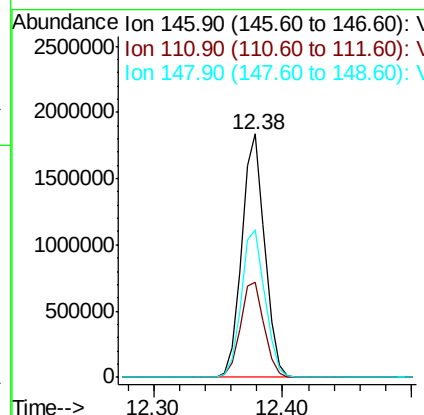
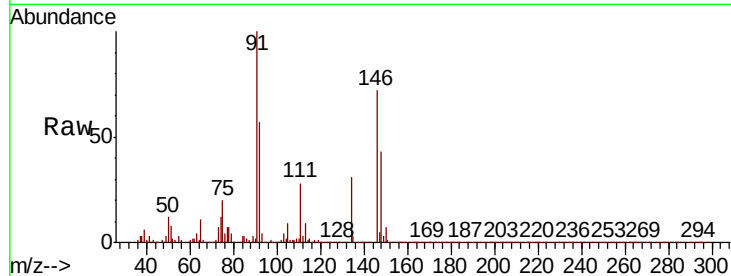




#91  
 1,2-Dichlorobenzene  
 Concen: 102.120 ug/l  
 RT: 12.38 min Scan# 1885  
 Delta R.T. 0.00 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

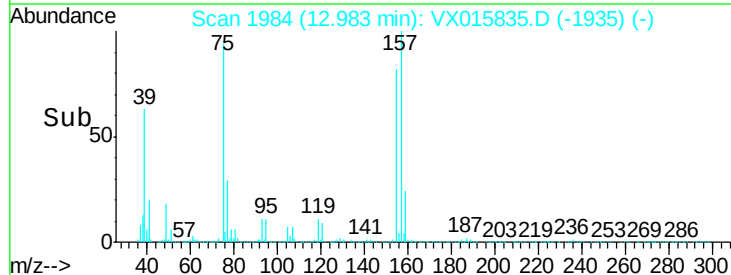
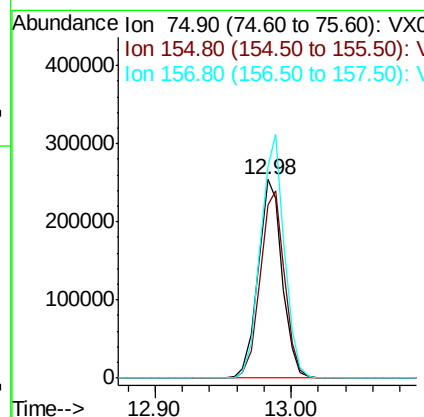
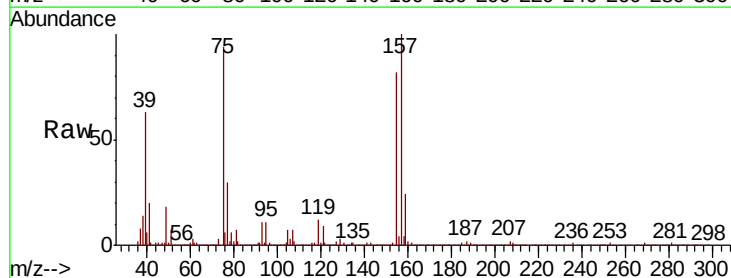
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

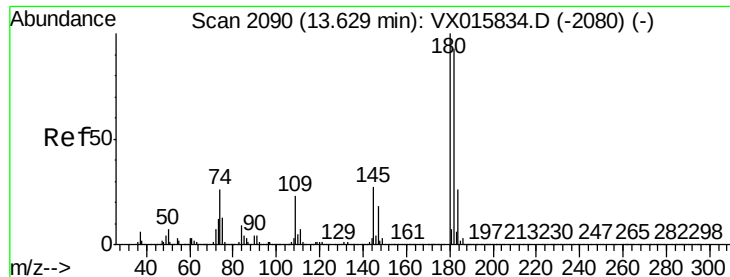
Tot Ion:146 Resp: 2257068  
 Ion Ratio Lower Upper  
 146 100  
 111 40.3 20.3 61.0  
 148 62.8 32.1 96.3



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 113.388 ug/l  
 RT: 12.98 min Scan# 1984  
 Delta R.T. 0.00 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

Tgt Ion: 75 Resp: 315313  
 Ion Ratio Lower Upper  
 75 100  
 155 95.5 48.1 144.4  
 157 121.6 58.9 176.7

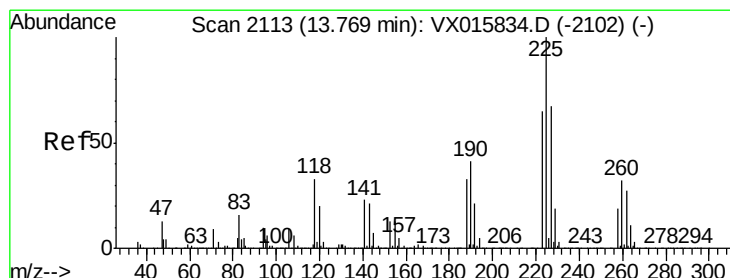
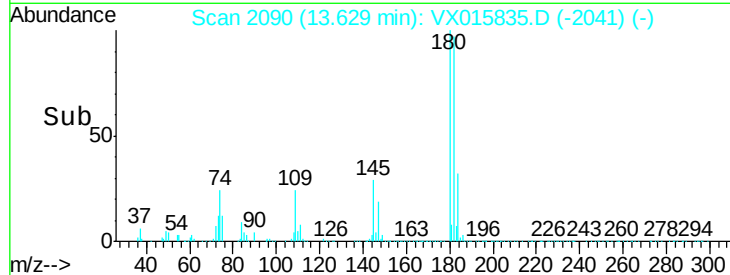
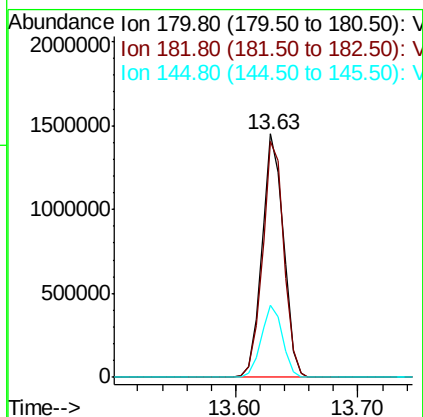
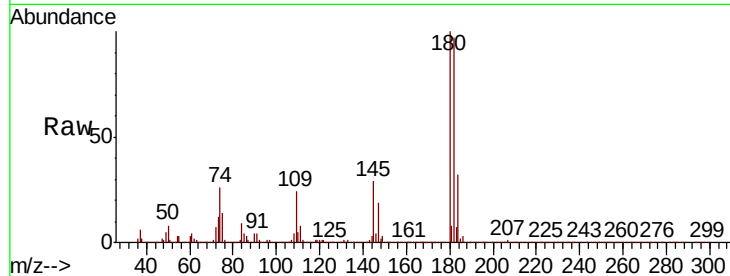




#93  
 1,2,4-Trichlorobenzene  
 Concen: 102.191 ug/l  
 RT: 13.63 min Scan# 2090  
 Delta R.T. 0.00 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

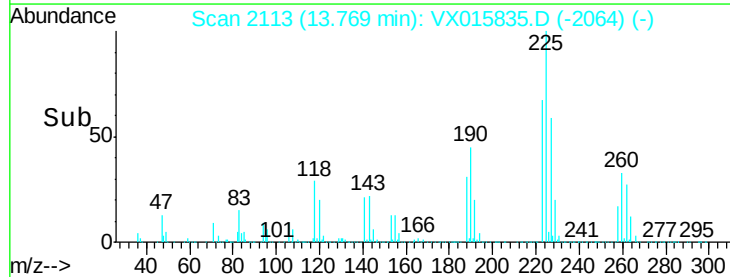
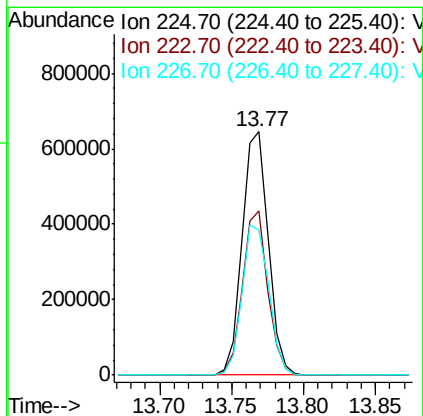
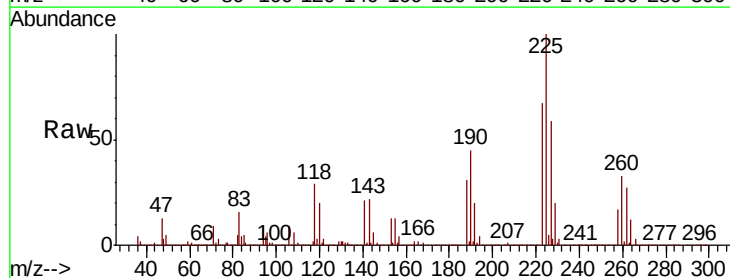
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

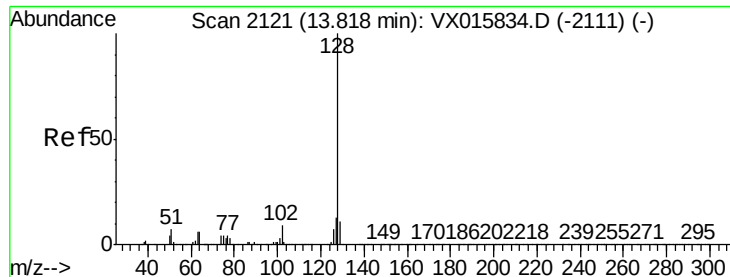
Tot Ion:180 Resp: 1783520  
 Ion Ratio Lower Upper  
 180 100  
 182 96.2 47.7 143.1  
 145 29.4 14.5 43.5



#94  
 Hexachlorobutadiene  
 Concen: 103.800 ug/l  
 RT: 13.77 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VX015835.D  
 Acq: 22 Apr 2020 11:29

Tgt Ion:225 Resp: 805982  
 Ion Ratio Lower Upper  
 225 100  
 223 65.1 31.3 93.8  
 227 63.3 32.6 97.8

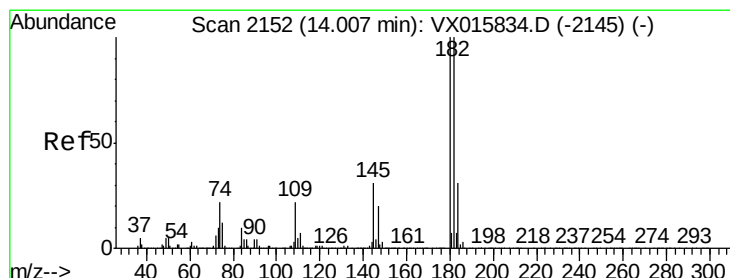
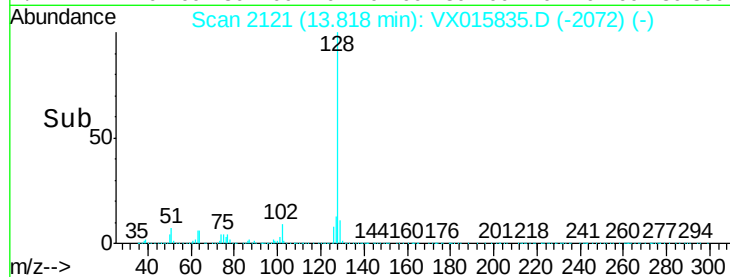
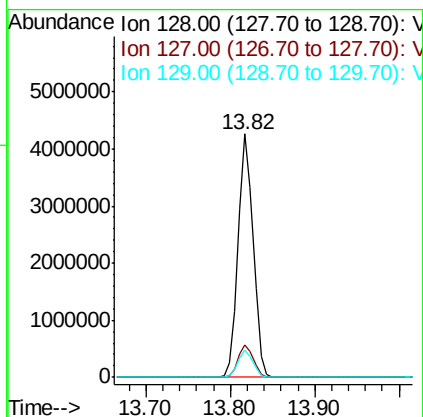
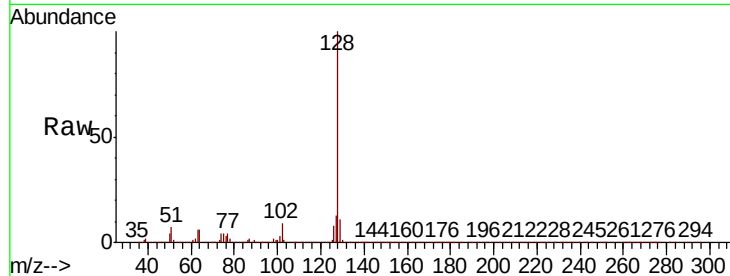




#95  
Naphthalene  
Concen: 102.399 ug/l  
RT: 13.82 min Scan# 2121  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC100

Tot Ion:128 Resp: 5127964  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.5 15.7  
129 11.2 8.5 12.7



#96  
1,2,3-Trichlorobenzene  
Concen: 104.448 ug/l  
RT: 14.01 min Scan# 2152  
Delta R.T. 0.00 min  
Lab File: VX015835.D  
Acq: 22 Apr 2020 11:29

Tgt Ion:180 Resp: 1762783  
Ion Ratio Lower Upper  
180 100  
182 91.1 47.9 143.7  
145 30.0 15.2 45.5

