

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082120\  
 Data File : VX018063.D  
 Acq On : 21 Aug 2020 16:54  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Aug 21 23:55:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 03:03:56 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 502056   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 801862   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 790500   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 400520   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.03   | 65  | 358789   | 51.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.96% |      |
| 35) Dibromofluoromethane  | 5.46   | 113 | 278984   | 51.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.18% |      |
| 50) Toluene-d8            | 8.70   | 98  | 1052705  | 51.76 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.52% |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 411567   | 51.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.86% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 326500  | 53.414  | ug/l | 99     |
| 3) Chloromethane              | 1.31 | 50  | 353517  | 54.856  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.39 | 62  | 341996  | 53.311  | ug/l | 99     |
| 5) Bromomethane               | 1.62 | 94  | 187268  | 60.521  | ug/l | 97     |
| 6) Chloroethane               | 1.71 | 64  | 187486  | 54.414  | ug/l | 95     |
| 7) Trichlorofluoromethane     | 1.91 | 101 | 492685  | 56.323  | ug/l | 99     |
| 8) Diethyl Ether              | 2.17 | 74  | 157098  | 52.956  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 249401  | 52.737  | ug/l | 98     |
| 10) Methyl Iodide             | 2.49 | 142 | 259968  | 51.234  | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.02 | 59  | 323110  | 238.425 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 248620  | 50.673  | ug/l | 99     |
| 13) Acrolein                  | 2.28 | 56  | 159030  | 283.013 | ug/l | 98     |
| 14) Allyl chloride            | 2.71 | 41  | 425065  | 48.221  | ug/l | 98     |
| 15) Acrylonitrile             | 3.12 | 53  | 756172  | 245.983 | ug/l | 99     |
| 16) Acetone                   | 2.42 | 43  | 678443  | 249.807 | ug/l | 97     |
| 17) Carbon Disulfide          | 2.55 | 76  | 700145  | 47.205  | ug/l | 99     |
| 18) Methyl Acetate            | 2.75 | 43  | 340989  | 52.030  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 898098  | 53.375  | ug/l | 99     |
| 20) Methylene Chloride        | 2.84 | 84  | 275824  | 49.662  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 267086  | 49.135  | ug/l | 99     |
| 22) Diisopropyl ether         | 3.83 | 45  | 872375  | 50.143  | ug/l | 98     |
| 23) Vinyl Acetate             | 3.79 | 43  | 3949939 | 255.151 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 496605  | 50.144  | ug/l | 99     |
| 25) 2-Butanone                | 4.65 | 43  | 1082760 | 242.585 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.56 | 77  | 375047  | 46.543  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.56 | 96  | 301824  | 48.192  | ug/l | 99     |
| 28) Bromochloromethane        | 4.98 | 49  | 206140  | 43.122  | ug/l | 98     |
| 29) Tetrahydrofuran           | 5.09 | 42  | 734532  | 258.517 | ug/l | 99     |
| 30) Chloroform                | 5.18 | 83  | 534678  | 52.140  | ug/l | 97     |
| 31) Cyclohexane               | 5.55 | 56  | 435449  | 52.197  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 490461  | 52.118  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.77 | 75  | 382139  | 51.669  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.80 | 43  | 426794  | 49.685  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.76 | 117 | 448503  | 53.810  | ug/l | 97     |

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 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Aug 21 23:55:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 03:03:56 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 434940   | 53.781   | ug/l  | 97       |
| 40) Benzene                    | 6.12  | 78   | 1128346  | 51.921   | ug/l  | 99       |
| 41) Methacrylonitrile          | 5.01  | 41   | 234086   | 49.631   | ug/l  | 98       |
| 42) 1,2-Dichloroethane         | 6.17  | 62   | 426656   | 51.241   | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.42  | 43   | 706635   | 50.931   | ug/l  | 99       |
| 44) Trichloroethene            | 7.19  | 130  | 326178   | 53.118   | ug/l  | 97       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 315333   | 53.837   | ug/l  | 97       |
| 46) Dibromomethane             | 7.64  | 93   | 218350   | 53.012   | ug/l  | 98       |
| 47) Bromodichloromethane       | 7.88  | 83   | 448557   | 54.542   | ug/l  | 99       |
| 48) Methyl methacrylate        | 7.75  | 41   | 368754   | 53.390   | ug/l  | 100      |
| 49) 1,4-Dioxane                | 7.71  | 88   | 127127   | 1016.121 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 2298728  | 268.220  | ug/l  | 100      |
| 52) Toluene                    | 8.77  | 92   | 735026   | 53.339   | ug/l  | 99       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 487427   | 53.476   | ug/l  | 96       |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 499199   | 51.700   | ug/l  | 97       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 309558   | 52.671   | ug/l  | 98       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 475881   | 54.467   | ug/l  | 100      |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 517074   | 53.342   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 988929   | 251.614  | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 1780170  | 273.169  | ug/l  | 100      |
| 60) Dibromochloromethane       | 9.57  | 129  | 384600   | 55.784   | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 334916   | 52.489   | ug/l  | 99       |
| 64) Tetrachloroethene          | 9.32  | 164  | 299457   | 51.550   | ug/l  | 97       |
| 65) Chlorobenzene              | 10.12 | 112  | 827584   | 52.419   | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 330561   | 53.123   | ug/l  | 99       |
| 67) Ethyl Benzene              | 10.24 | 91   | 1417672  | 52.802   | ug/l  | 97       |
| 68) m/p-Xylenes                | 10.34 | 106  | 1076533  | 107.424  | ug/l  | 99       |
| 69) o-Xylene                   | 10.68 | 106  | 504298   | 51.911   | ug/l  | 99       |
| 70) Styrene                    | 10.70 | 104  | 881955   | 53.310   | ug/l  | 99       |
| 71) Bromoform                  | 10.84 | 173  | 277349   | 52.255   | ug/l  | 99       |
| 73) Isopropylbenzene           | 11.00 | 105  | 1422541  | 53.846   | ug/l  | 100      |
| 74) N-amyl acetate             | 10.88 | 43   | 613382   | 48.934   | ug/l  | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 425543   | 45.661   | ug/l  | 97       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 564987   | 63.412   | ug/l  | 85       |
| 77) Bromobenzene               | 11.24 | 156  | 354997   | 48.612   | ug/l  | 97       |
| 78) n-propylbenzene            | 11.34 | 91   | 1617137  | 53.909   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 960008   | 51.800   | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 1172739  | 54.019   | ug/l  | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 162845   | 49.364   | ug/l  | 99       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 1124250  | 51.028   | ug/l  | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 1186036  | 55.359   | ug/l  | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 1214275  | 54.708   | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 1364672  | 56.012   | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 1256950  | 56.164   | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 652069   | 50.858   | ug/l  | 96       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 640394   | 49.884   | ug/l  | 99       |
| 89) n-Butylbenzene             | 12.37 | 91   | 993370   | 48.631   | ug/l  | 98       |
| 90) Hexachloroethane           | 12.58 | 117  | 245595   | 55.777   | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 584956   | 48.467   | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 116999   | 50.209   | ug/l  | 96       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Aug 21 23:55:03 2020  
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Quant Title : SW846 8260  
QLast Update : Fri Aug 21 03:03:56 2020  
Response via : Initial Calibration

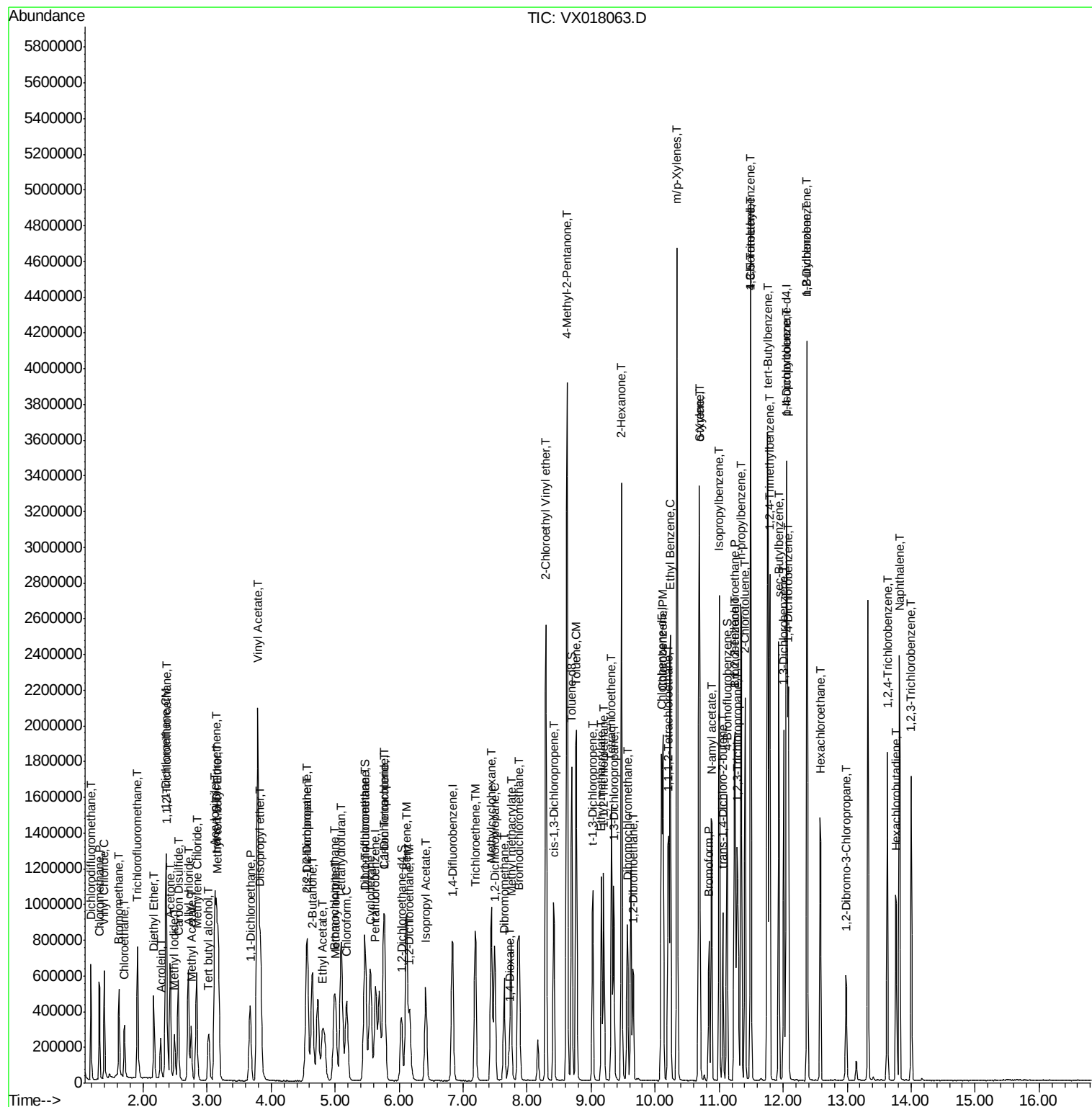
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 415078   | 51.575 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 150773   | 47.497 | ug/l  | 96       |
| 95) Naphthalene            | 13.82 | 128  | 1391935  | 52.553 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.00 | 180  | 400860   | 50.408 | ug/l  | 98       |

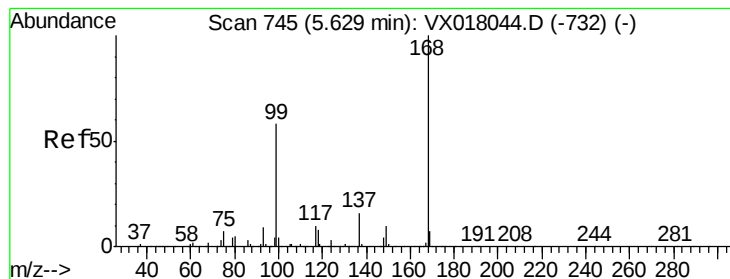
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082120\  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

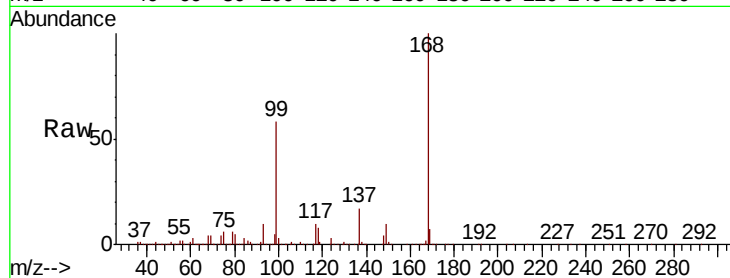
VSTDCCC050EC

Tot Ion:168 Resp: 502056

Ion Ratio Lower Upper

168 100

99 57.8 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VX018044.D (-732) (-)

Ion 98.90 (98.60 to 99.60): VX018044.D (-732) (-)

5.63

200000

150000

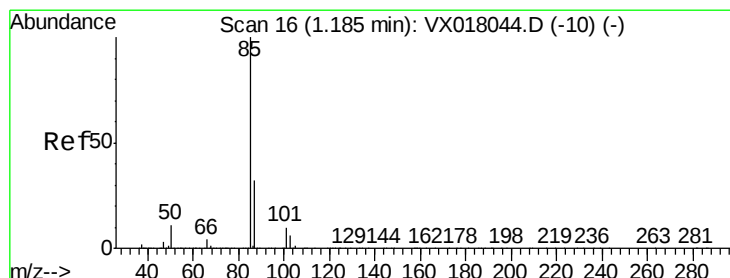
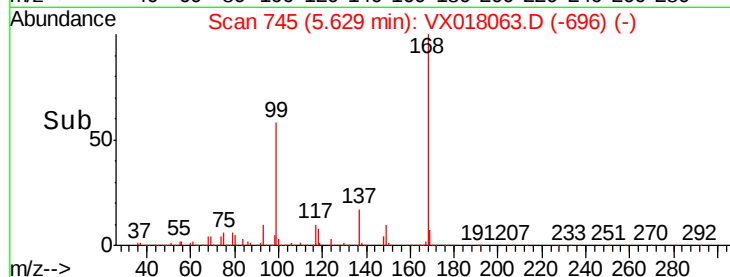
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 53.414 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX018063.D

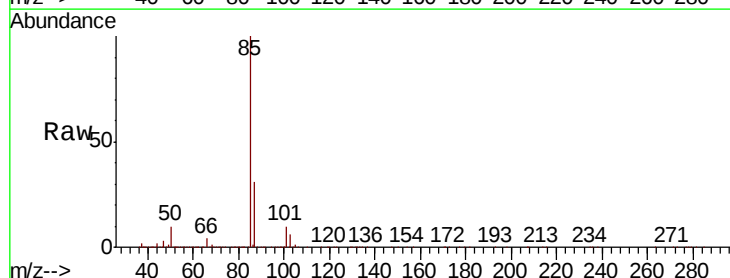
Acq: 21 Aug 2020 16:54

Tgt Ion: 85 Resp: 326500

Ion Ratio Lower Upper

85 100

87 31.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX018044.D (-10) (-)

Ion 86.90 (86.60 to 87.60): VX018044.D (-10) (-)

1.18

400000

300000

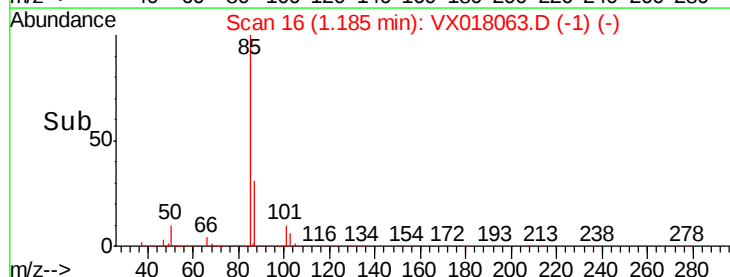
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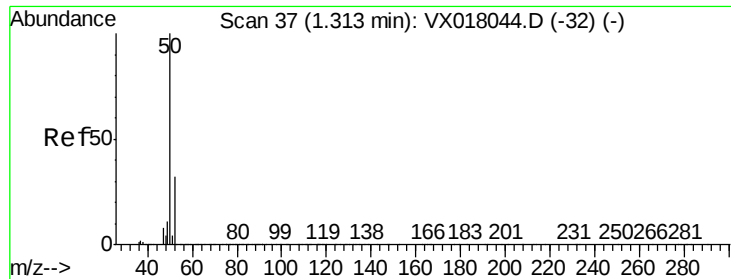
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Time-->

1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 54.856 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

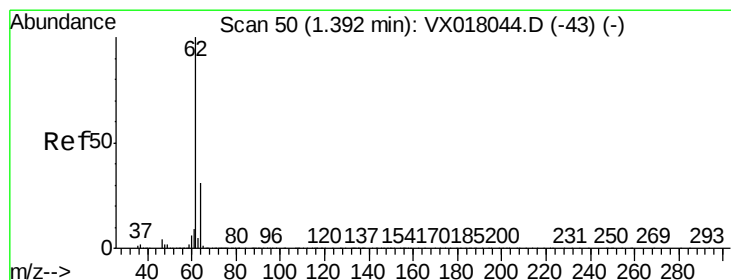
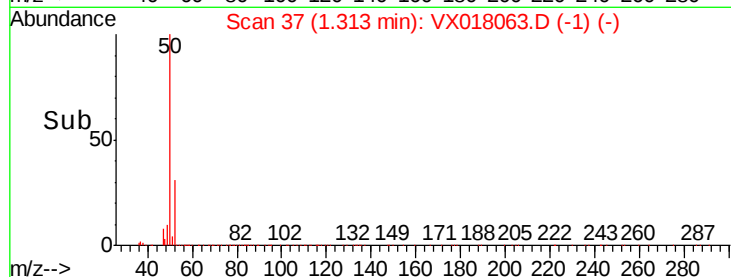
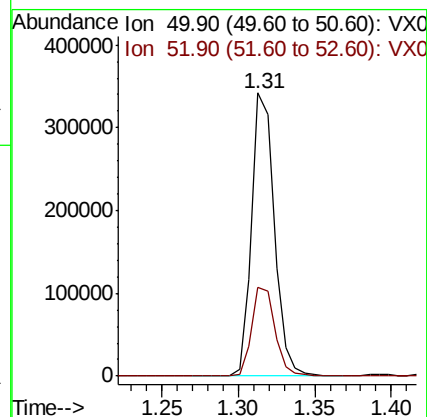
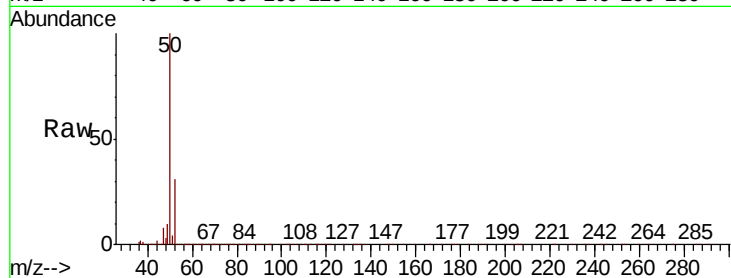
VSTDCCC050EC

Tot Ion: 50 Resp: 353517

Ion Ratio Lower Upper

50 100

52 31.4 25.4 38.2



#4

Vinyl Chloride

Concen: 53.311 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018063.D

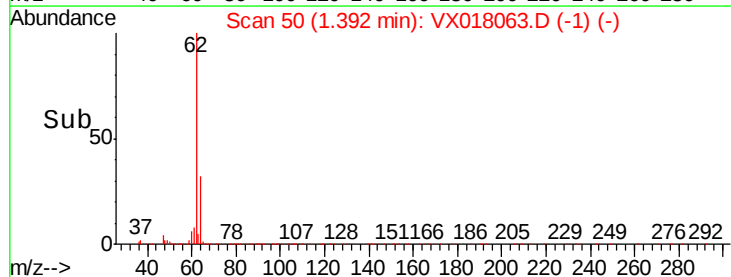
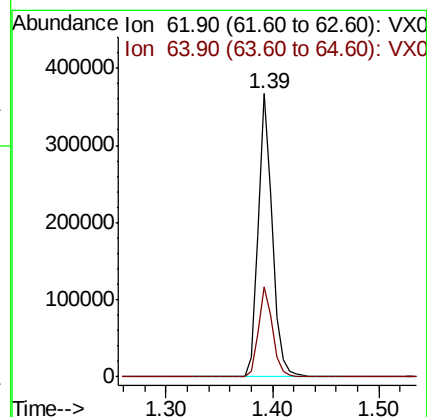
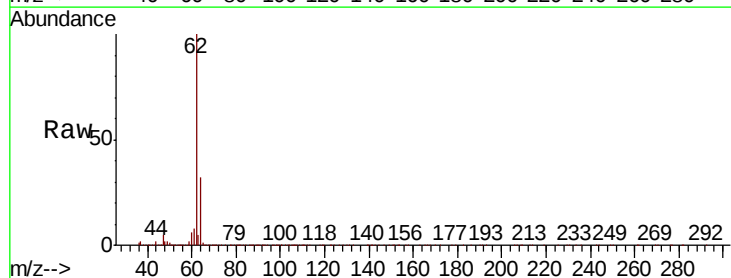
Acq: 21 Aug 2020 16:54

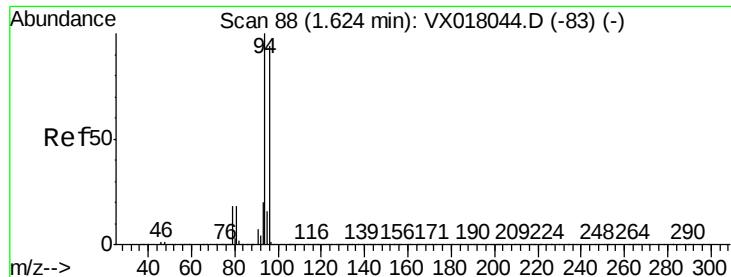
Tgt Ion: 62 Resp: 341996

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7





#5

Bromomethane

Concen: 60.521 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

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Acq: 21 Aug 2020 16:54

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MSVOA\_X

ClientSampleId :

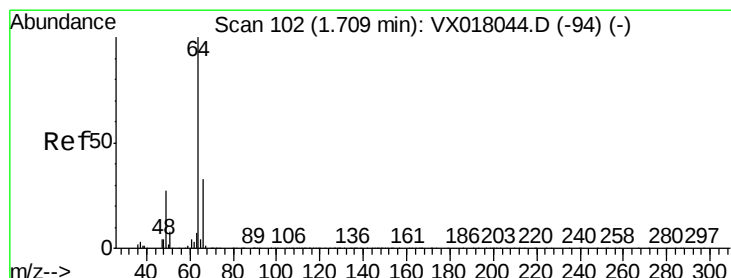
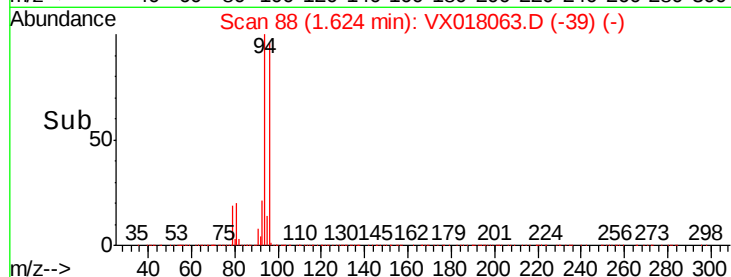
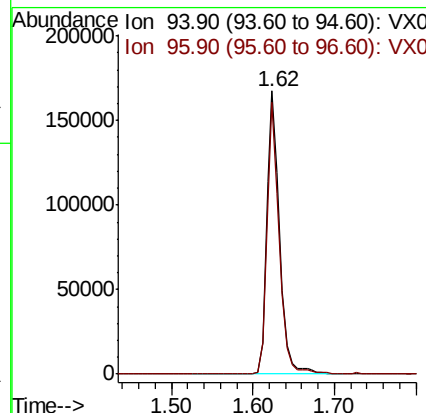
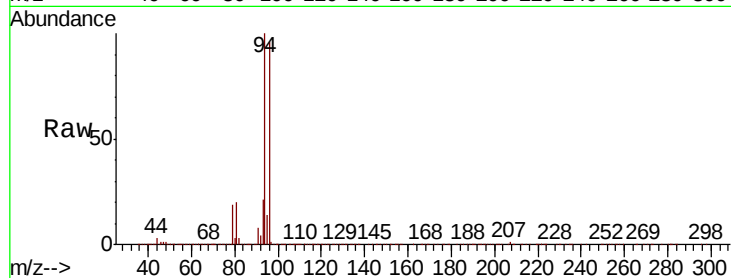
VSTDCCC050EC

Tot Ion: 94 Resp: 187268

Ion Ratio Lower Upper

94 100

96 96.0 74.8 112.2



#6

Chloroethane

Concen: 54.414 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX018063.D

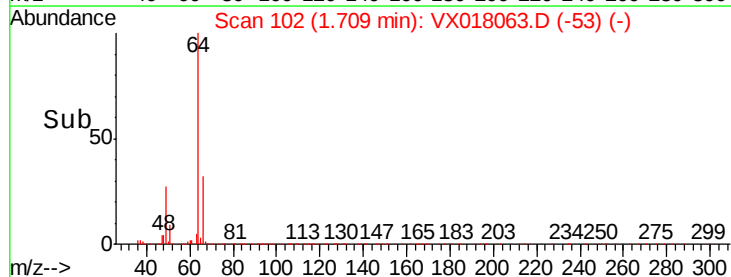
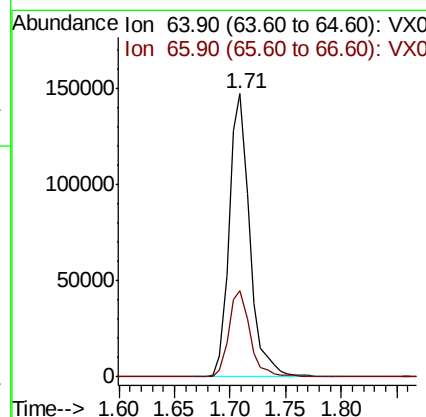
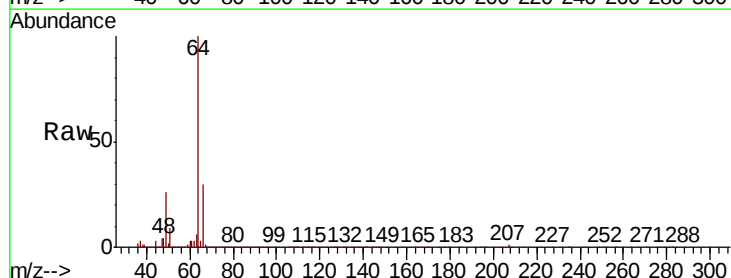
Acq: 21 Aug 2020 16:54

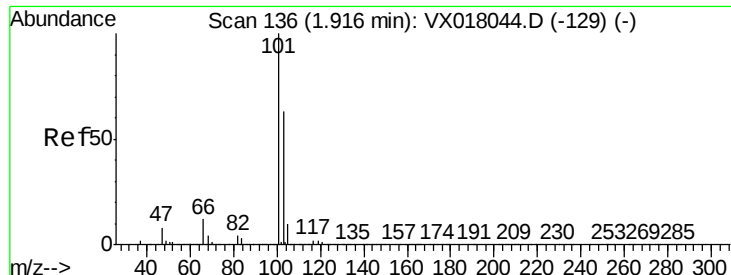
Tgt Ion: 64 Resp: 187486

Ion Ratio Lower Upper

64 100

66 30.2 26.6 39.8



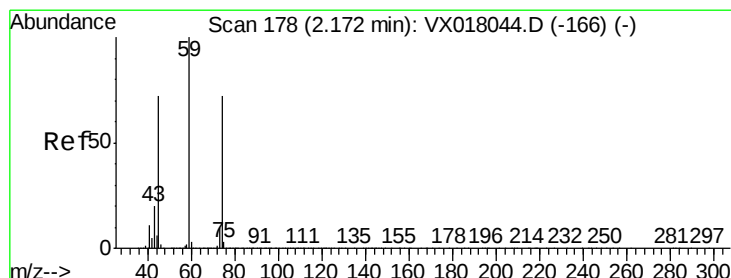
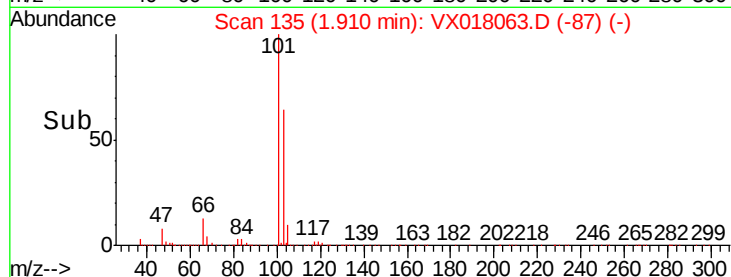
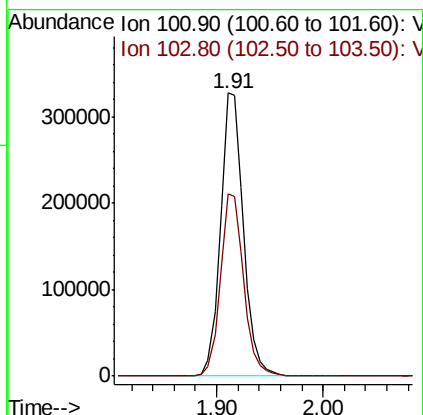
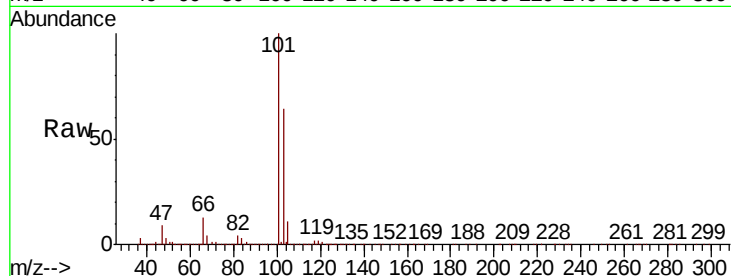


#7

Trichlorofluoromethane  
Concen: 56.323 ug/l  
RT: 1.91 min Scan# 135  
Delta R.T. -0.01 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

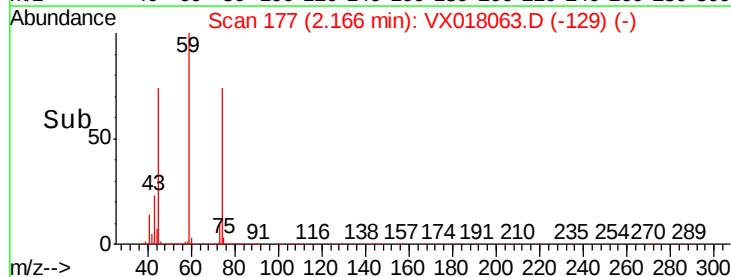
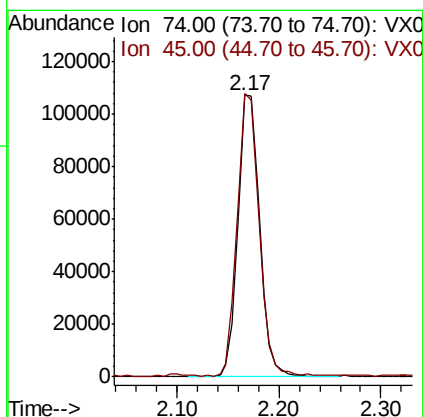
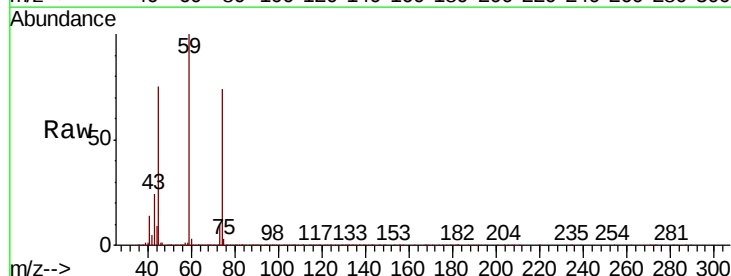
Tot Ion:101 Resp: 492685  
Ion Ratio Lower Upper  
101 100  
103 64.4 50.7 76.1

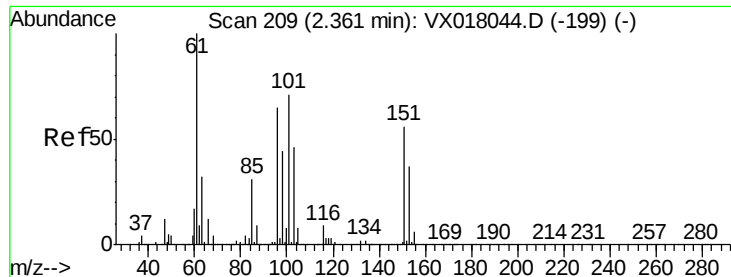


#8

Diethyl Ether  
Concen: 52.956 ug/l  
RT: 2.17 min Scan# 177  
Delta R.T. -0.01 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion: 74 Resp: 157098  
Ion Ratio Lower Upper  
74 100  
45 101.1 50.7 152.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.737 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

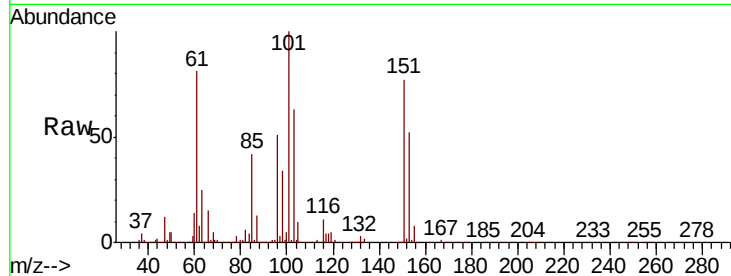
Tot Ion:101 Resp: 249401

Ion Ratio Lower Upper

101 100

85 44.6 34.0 51.0

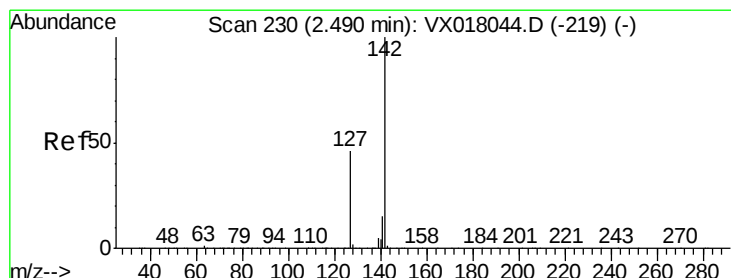
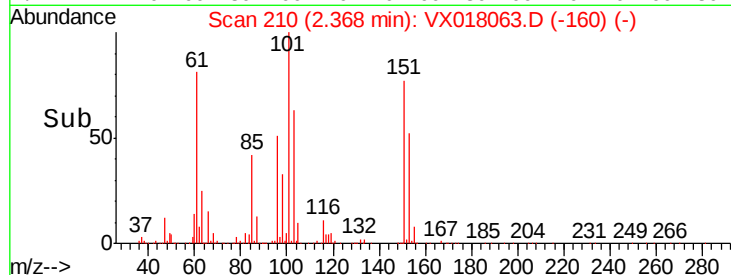
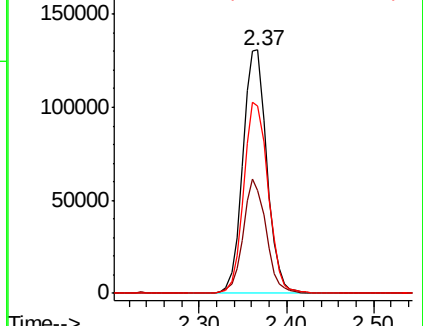
151 79.9 65.2 97.8



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: 51.234 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

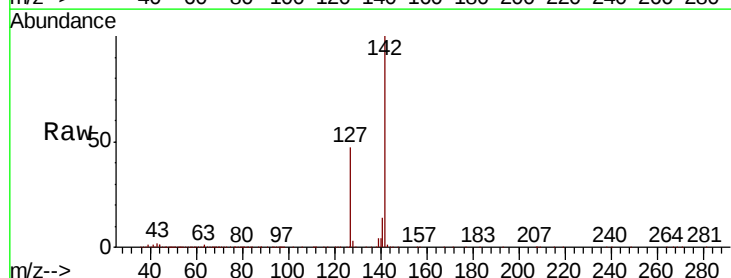
Tgt Ion:142 Resp: 259968

Ion Ratio Lower Upper

142 100

127 44.6 37.0 55.6

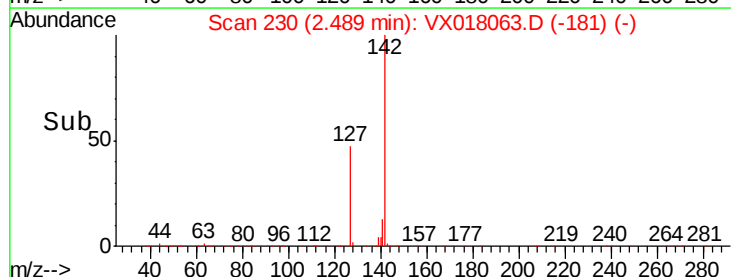
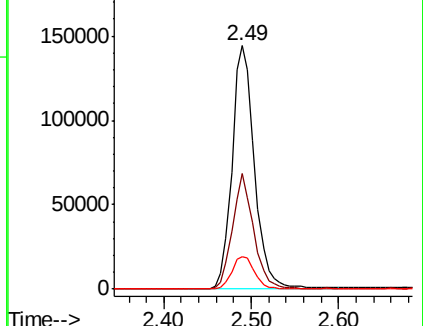
141 14.0 11.5 17.3

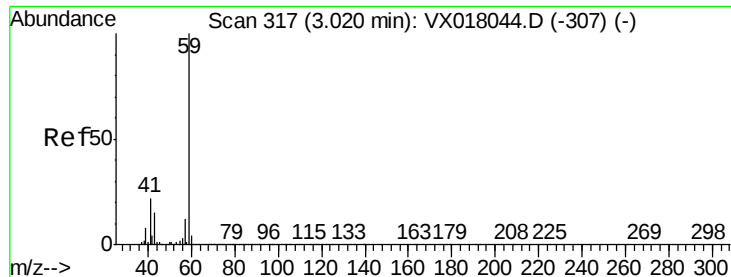


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



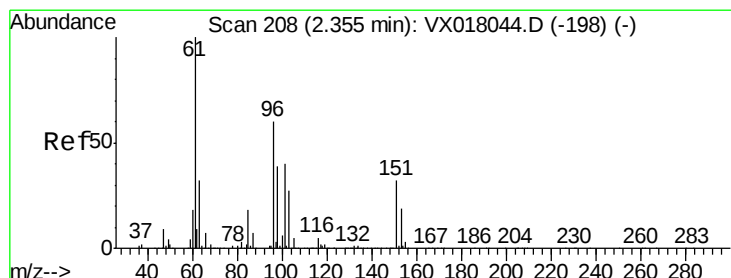
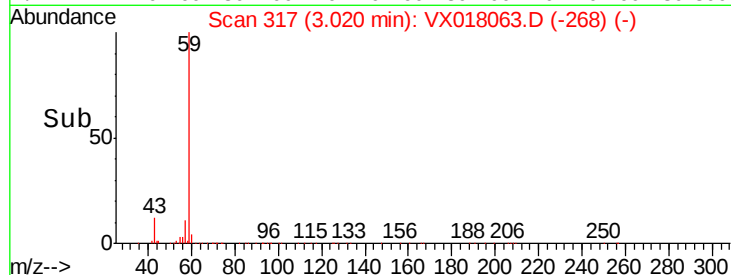
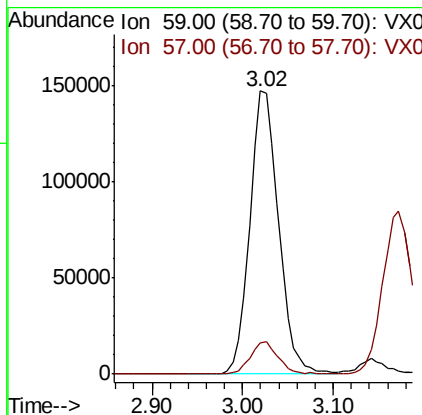
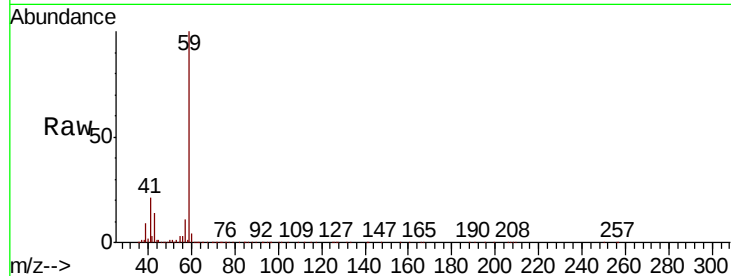


#11

Tert butyl alcohol  
 Concen: 238.425 ug/l  
 RT: 3.02 min Scan# 317  
 Delta R.T. -0.00 min  
 Lab File: VX018063.D  
 Acq: 21 Aug 2020 16:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

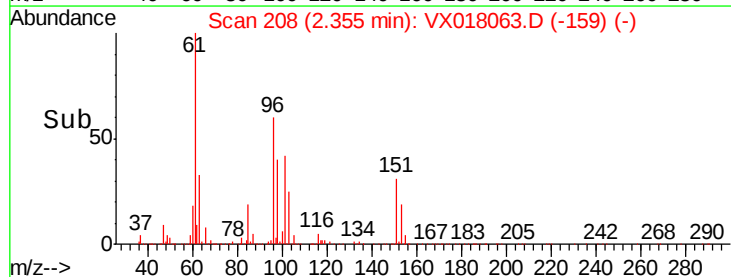
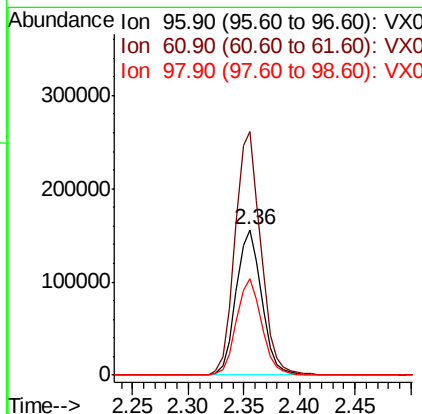
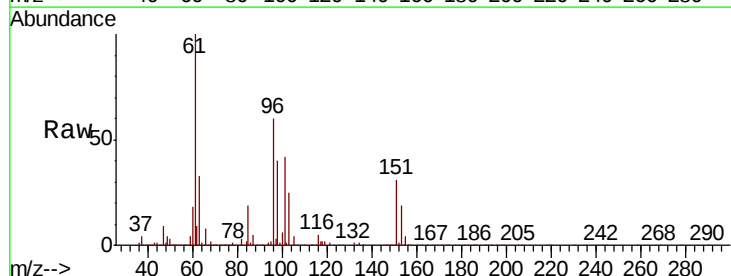
Tot Ion: 59 Resp: 323110  
 Ion Ratio Lower Upper  
 59 100  
 57 11.1 8.9 13.3

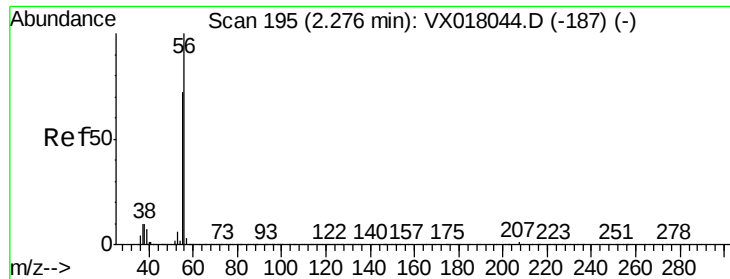


#12

1,1-Dichloroethene  
 Concen: 50.673 ug/l  
 RT: 2.36 min Scan# 208  
 Delta R.T. -0.00 min  
 Lab File: VX018063.D  
 Acq: 21 Aug 2020 16:54

Tgt Ion: 96 Resp: 248620  
 Ion Ratio Lower Upper  
 96 100  
 61 167.1 133.0 199.4  
 98 66.3 51.6 77.4

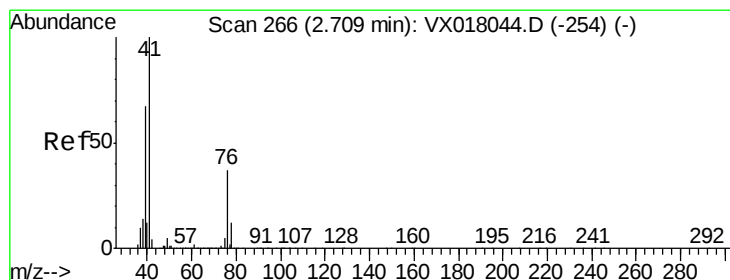
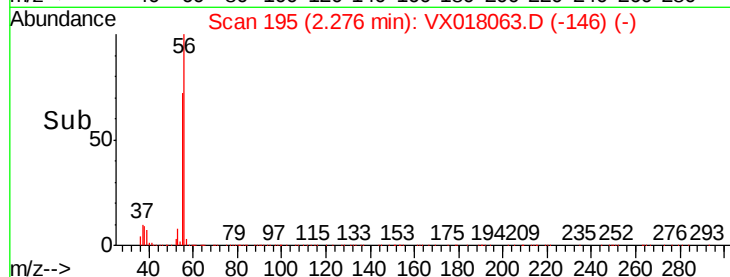
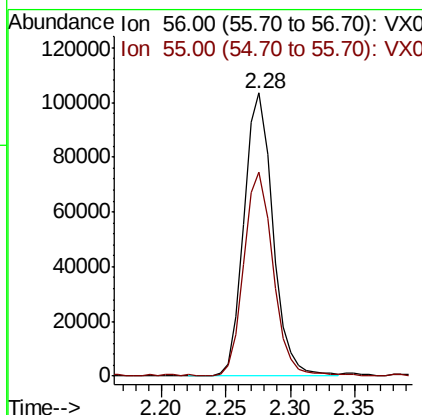
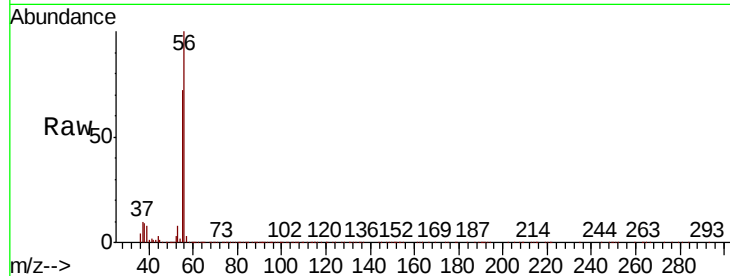




#13  
Acrolein  
Concen: 283.013 ug/l  
RT: 2.28 min Scan# 195  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

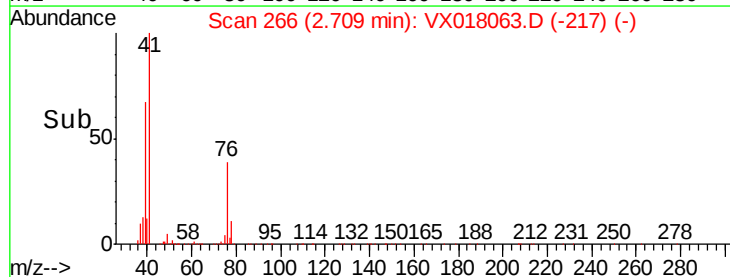
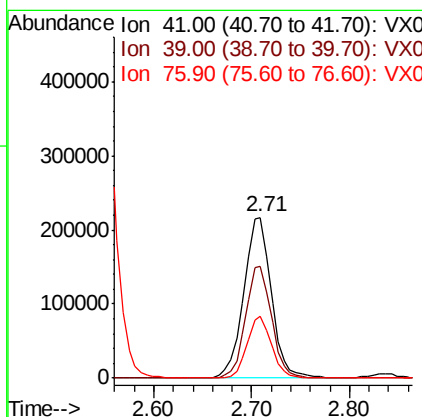
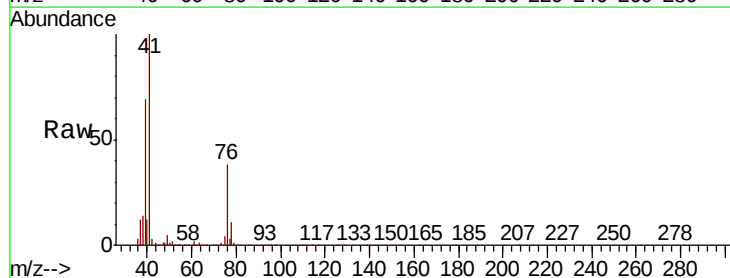
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

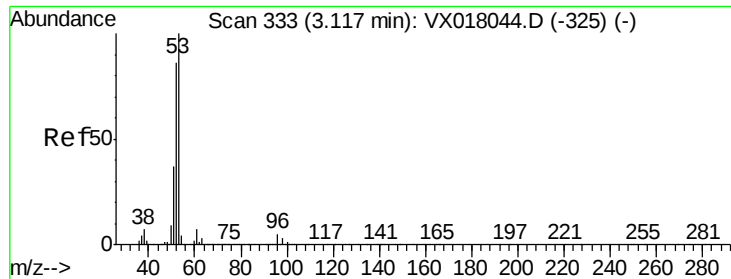
Tot Ion: 56 Resp: 159030  
Ion Ratio Lower Upper  
56 100  
55 73.0 57.0 85.6



#14  
Allyl chloride  
Concen: 48.221 ug/l  
RT: 2.71 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion: 41 Resp: 425065  
Ion Ratio Lower Upper  
41 100  
39 65.1 50.6 76.0  
76 33.9 26.2 39.2

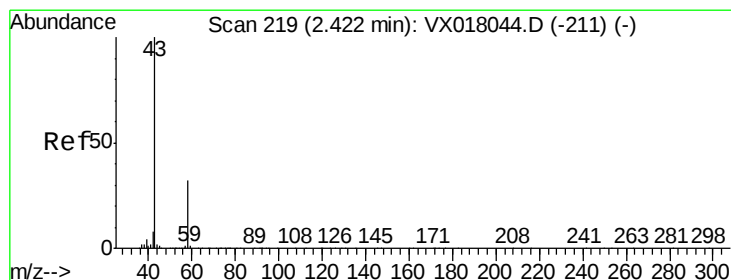
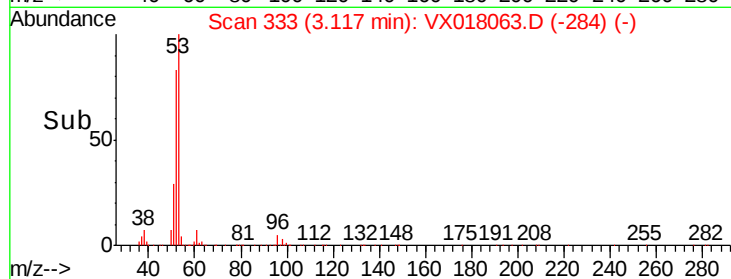
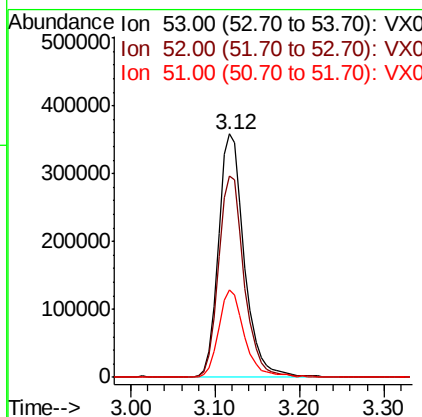
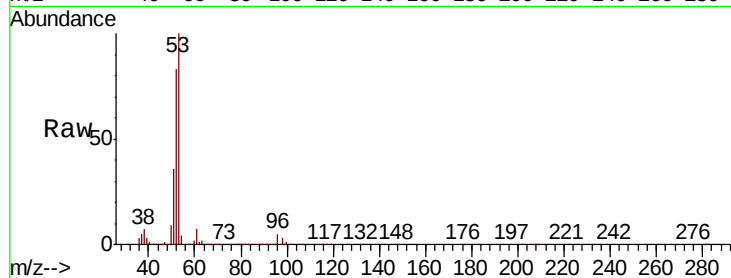




#15  
 Acrylonitrile  
 Concen: 245.983 ug/l  
 RT: 3.12 min Scan# 333  
 Delta R.T. -0.00 min  
 Lab File: VX018063.D  
 Acq: 21 Aug 2020 16:54

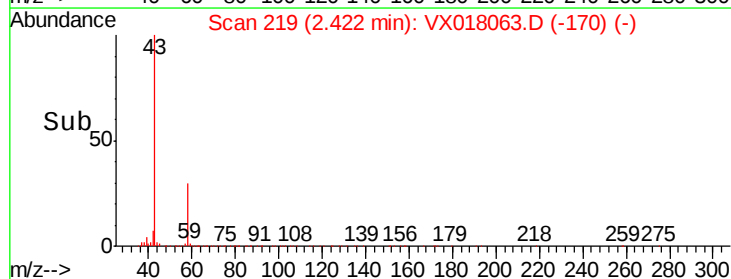
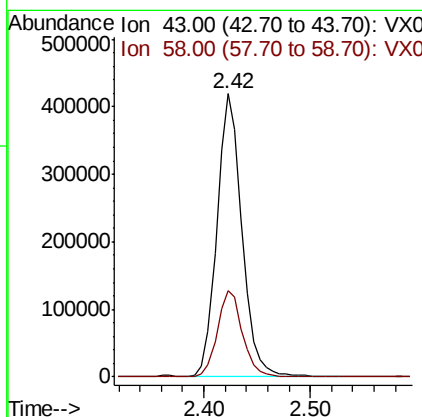
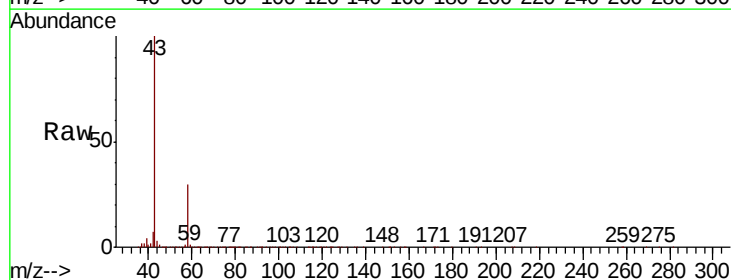
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

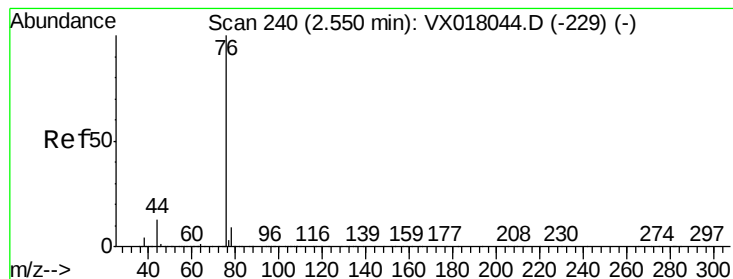
| Tot Ion | 53    | Resp  | 756172 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 53      | 100   |       |        |
| 52      | 82.0  | 66.9  | 100.3  |
| 51      | 35.8  | 28.7  | 43.1   |



#16  
 Acetone  
 Concen: 249.807 ug/l  
 RT: 2.42 min Scan# 219  
 Delta R.T. -0.00 min  
 Lab File: VX018063.D  
 Acq: 21 Aug 2020 16:54

| Tgt Ion | 43    | Resp  | 678443 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 58      | 30.3  | 25.5  | 38.3   |





#17

Carbon Disulfide

Concen: 47.205 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

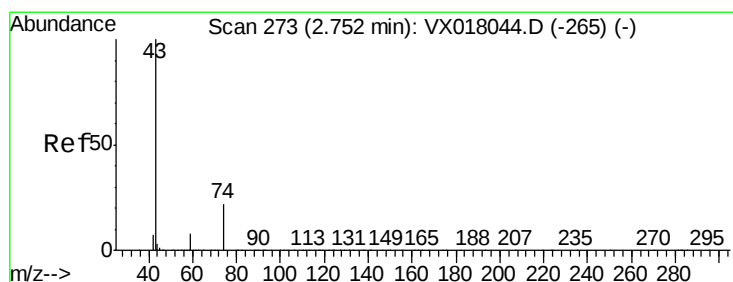
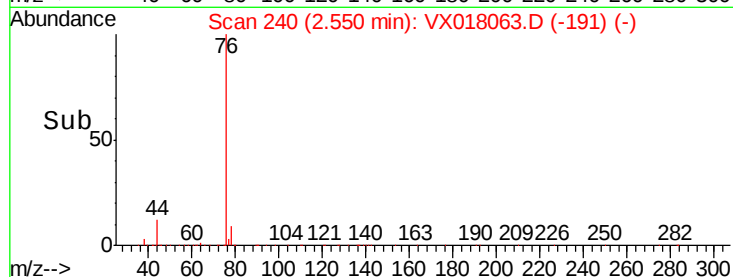
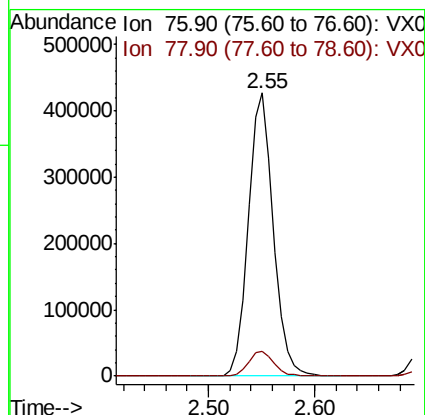
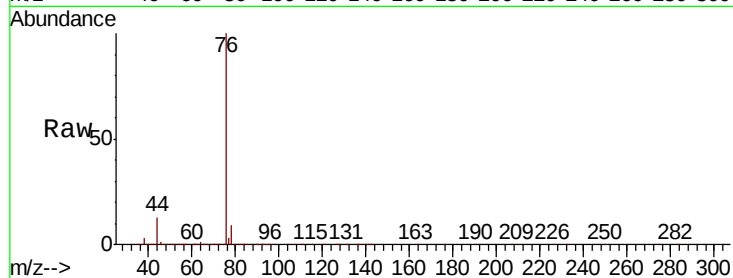
VSTDCCC050EC

Tot Ion: 76 Resp: 700145

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



#18

Methyl Acetate

Concen: 52.030 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018063.D

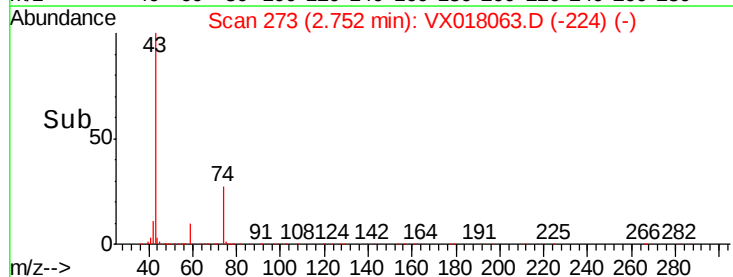
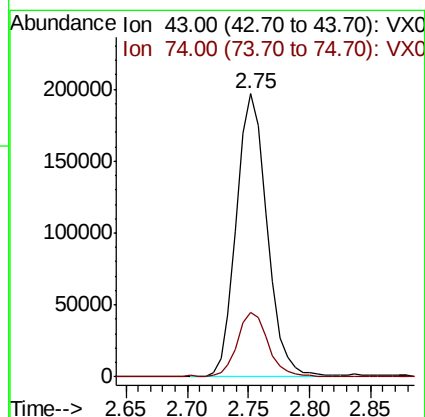
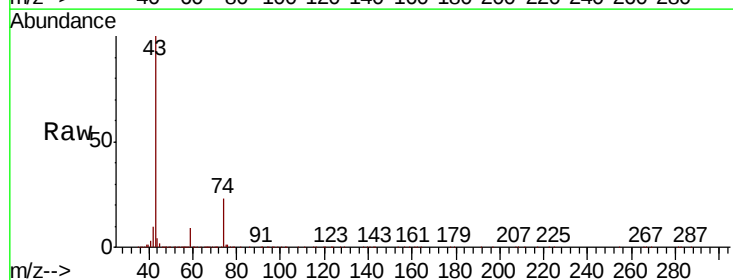
Acq: 21 Aug 2020 16:54

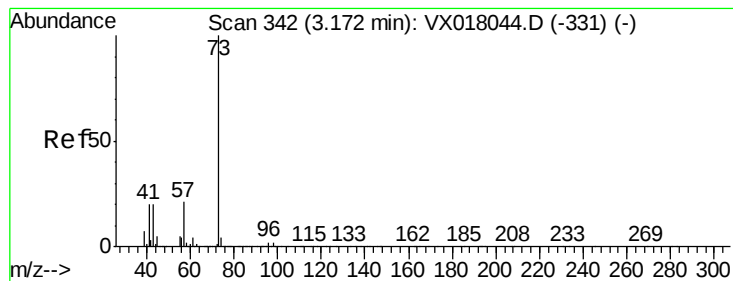
Tgt Ion: 43 Resp: 340989

Ion Ratio Lower Upper

43 100

74 22.3 18.2 27.4



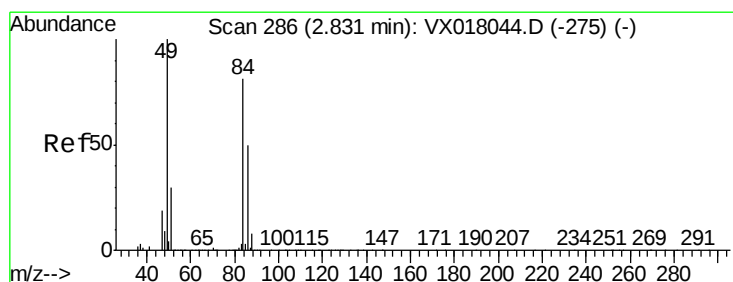
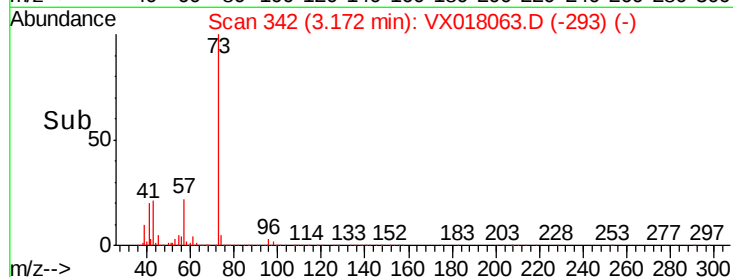
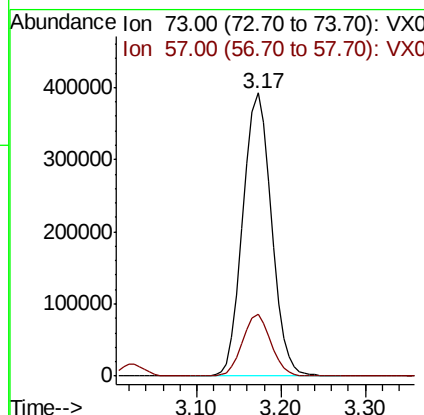
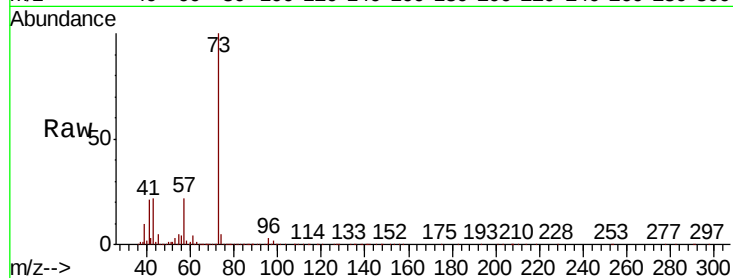


#19

Methyl tert-butyl Ether  
 Concen: 53.375 ug/l  
 RT: 3.17 min Scan# 342  
 Delta R.T. -0.00 min  
 Lab File: VX018063.D  
 Acq: 21 Aug 2020 16:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

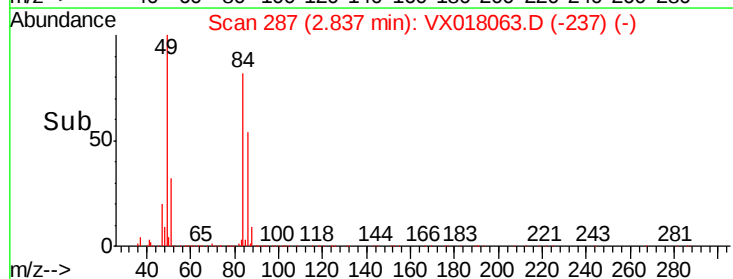
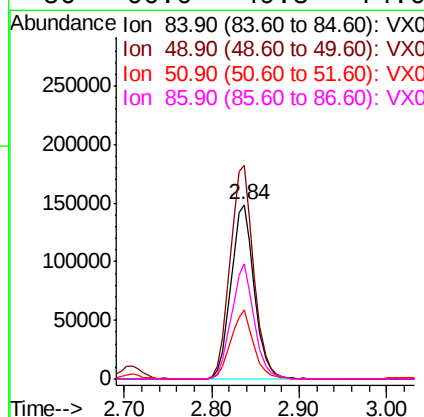
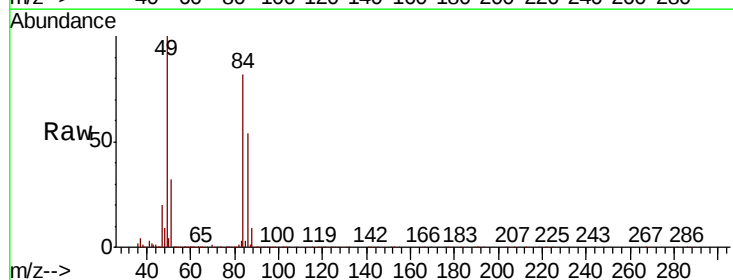
Tot Ion: 73 Resp: 898098  
 Ion Ratio Lower Upper  
 73 100  
 57 21.7 16.8 25.2

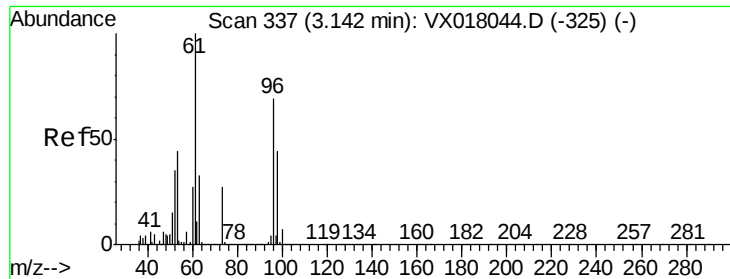


#20

Methylene Chloride  
 Concen: 49.662 ug/l  
 RT: 2.84 min Scan# 287  
 Delta R.T. 0.01 min  
 Lab File: VX018063.D  
 Acq: 21 Aug 2020 16:54

Tgt Ion: 84 Resp: 275824  
 Ion Ratio Lower Upper  
 84 100  
 49 122.3 98.6 148.0  
 51 39.3 29.6 44.4  
 86 66.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.135 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

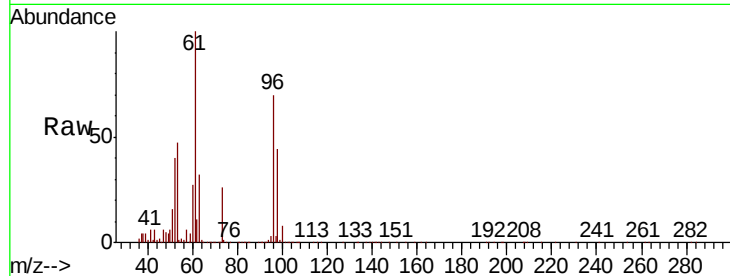
Tot Ion: 96 Resp: 267086

Ion Ratio Lower Upper

96 100

61 143.5 115.4 173.0

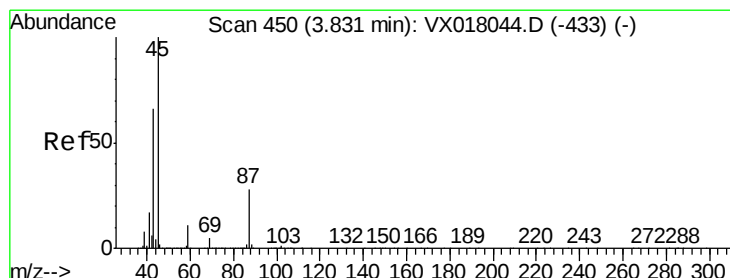
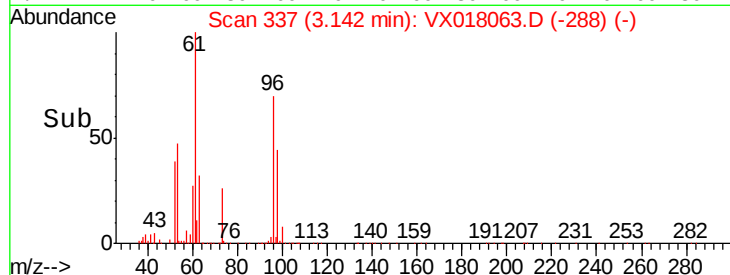
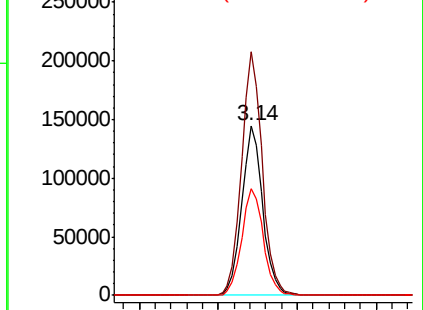
98 62.7 51.1 76.7



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: 50.143 ug/l

RT: 3.83 min Scan# 450

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Tgt Ion: 45 Resp: 872375

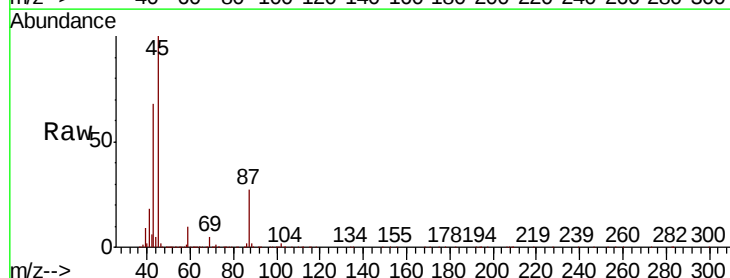
Ion Ratio Lower Upper

45 100

43 68.1 52.8 79.2

87 27.1 22.5 33.7

59 10.4 9.0 13.6

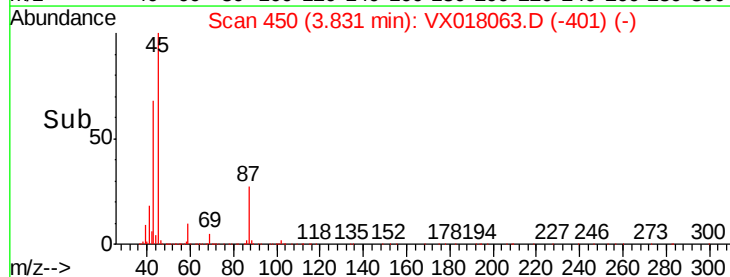
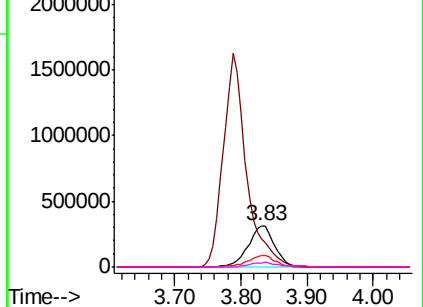


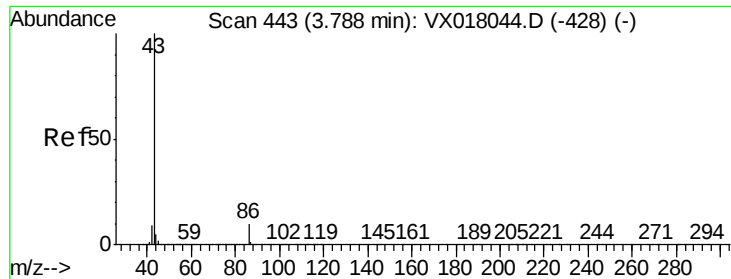
Abundance Ion 45.00 (44.70 to 45.70): VX0

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

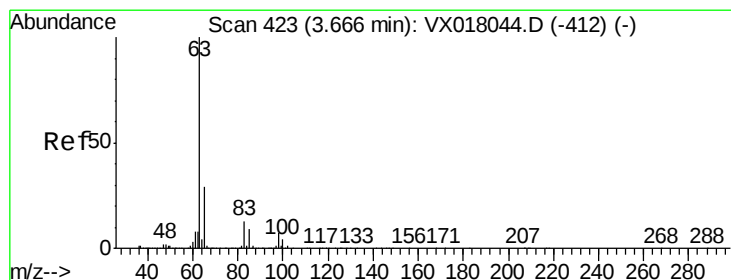
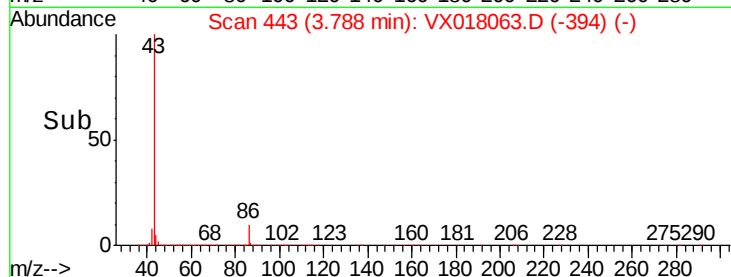
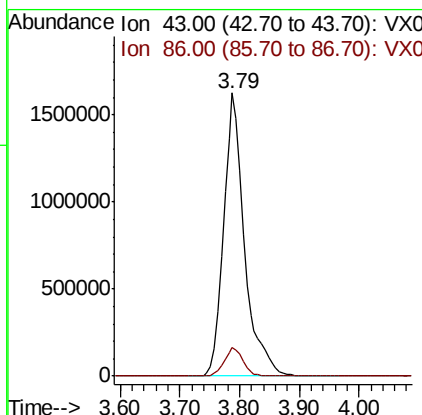
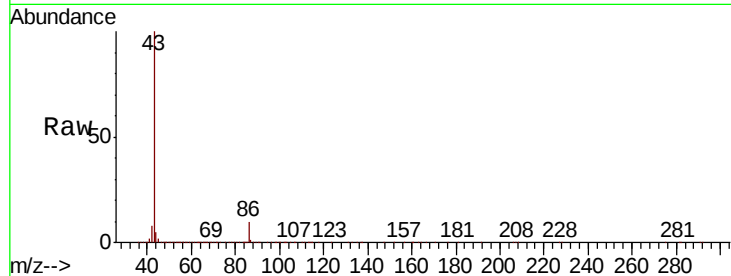




#23  
 Vinyl Acetate  
 Concen: 255.151 ug/l  
 RT: 3.79 min Scan# 443  
 Delta R.T. -0.00 min  
 Lab File: VX018063.D  
 Acq: 21 Aug 2020 16:54

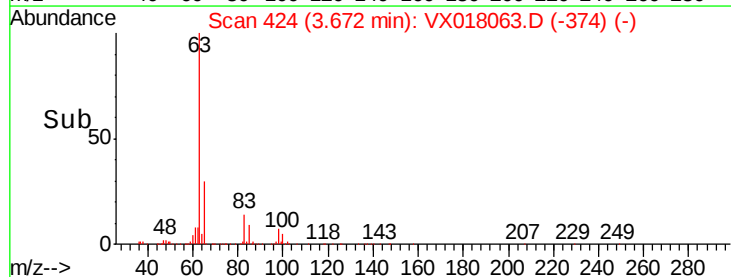
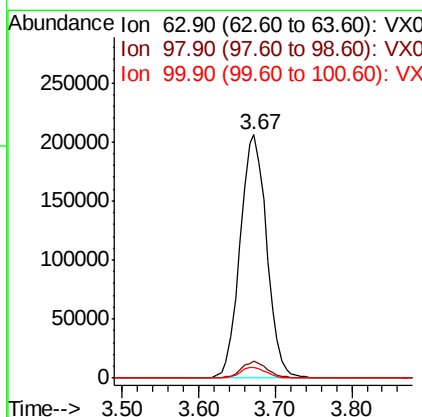
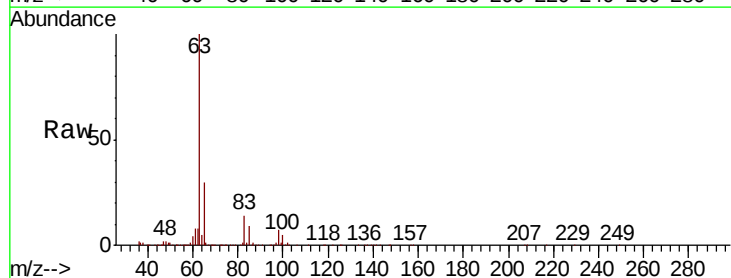
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

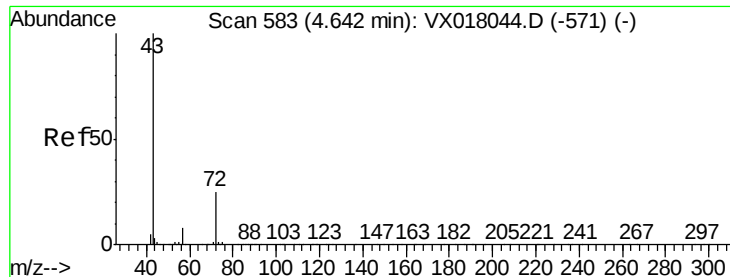
Tot Ion: 43 Resp: 3949939  
 Ion Ratio Lower Upper  
 43 100  
 86 10.0 7.9 11.9



#24  
 1,1-Dichloroethane  
 Concen: 50.144 ug/l  
 RT: 3.67 min Scan# 424  
 Delta R.T. 0.01 min  
 Lab File: VX018063.D  
 Acq: 21 Aug 2020 16:54

Tgt Ion: 63 Resp: 496605  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.6 10.8  
 100 4.5 2.0 6.0

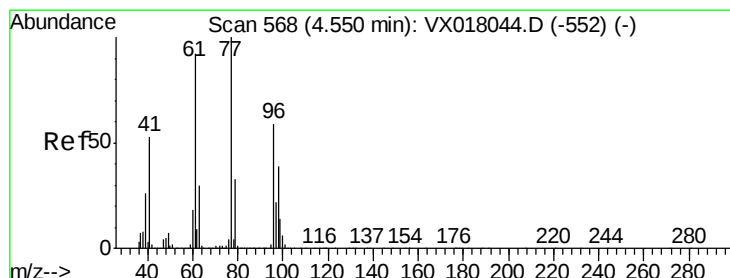
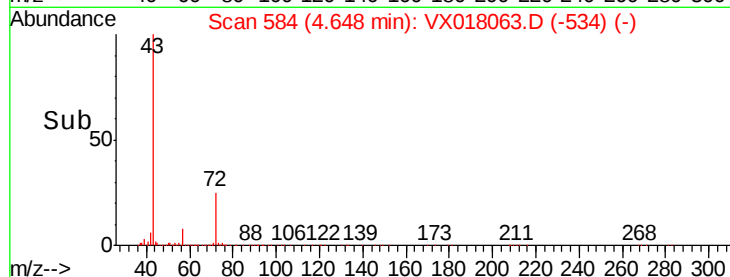
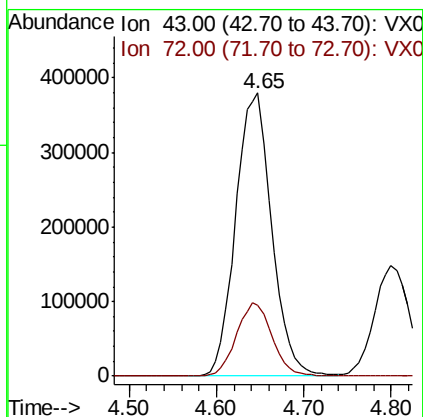
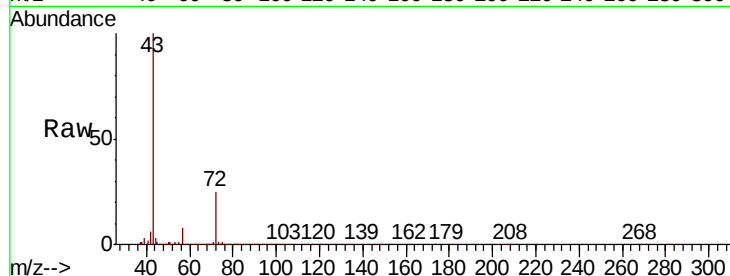




#25  
2-Butanone  
Concen: 242.585 ug/l  
RT: 4.65 min Scan# 584  
Delta R.T. 0.01 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

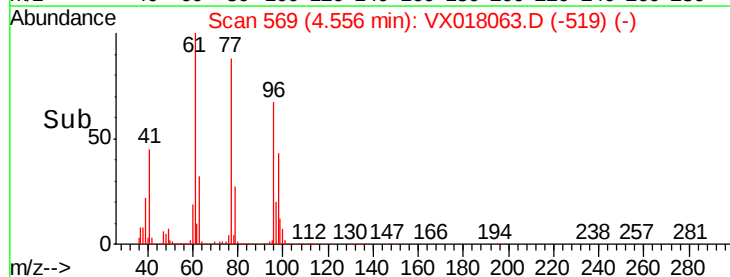
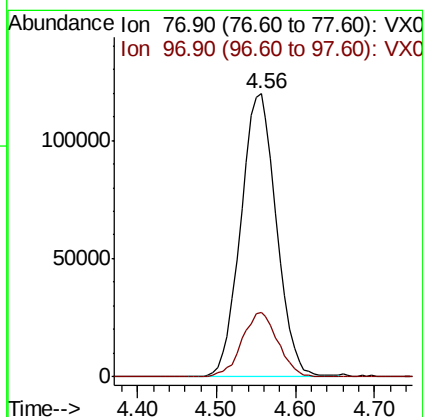
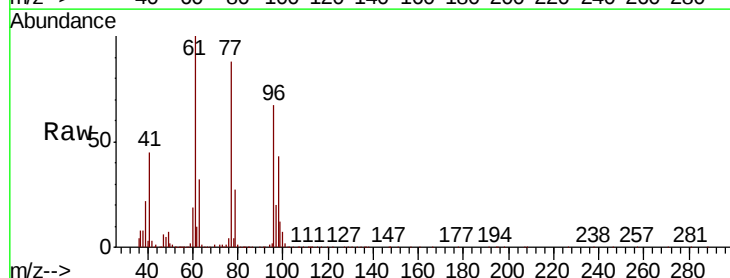
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

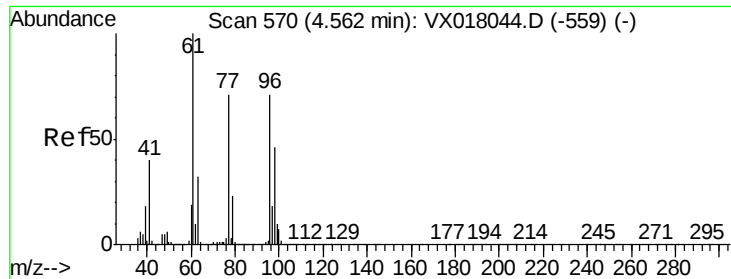
Tot Ion: 43 Resp: 1082760  
Ion Ratio Lower Upper  
43 100  
72 24.7 19.8 29.6



#26  
2,2-Dichloropropane  
Concen: 46.543 ug/l  
RT: 4.56 min Scan# 569  
Delta R.T. 0.01 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion: 77 Resp: 375047  
Ion Ratio Lower Upper  
77 100  
97 23.0 11.5 34.5



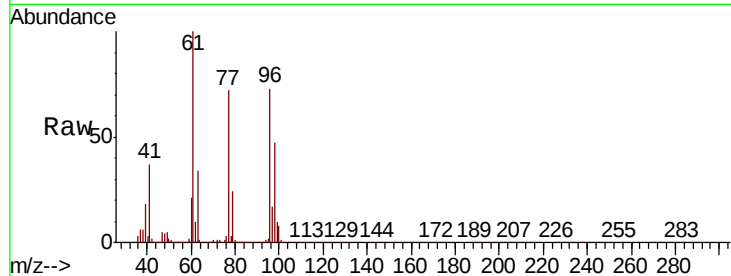


#27

cis-1,2-Dichloroethene  
Concen: 48.192 ug/l  
RT: 4.56 min Scan# 570  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.2 | 0.0   | 296.6 |
| 98      | 64.8  | 0.0   | 130.2 |

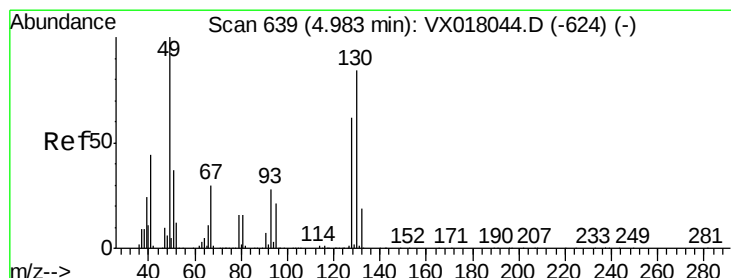
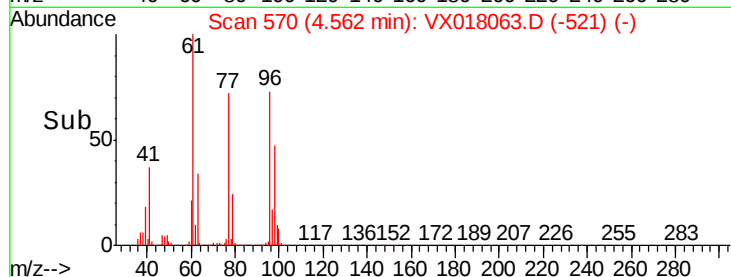
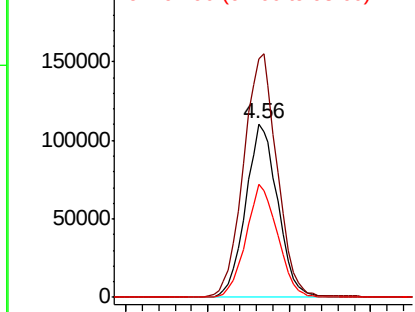


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

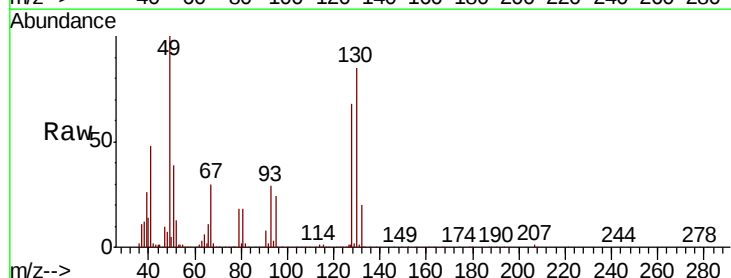
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane  
Concen: 43.122 ug/l  
RT: 4.98 min Scan# 639  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.5   | 0.0   | 4.6   |
| 130     | 82.7  | 64.6  | 96.8  |

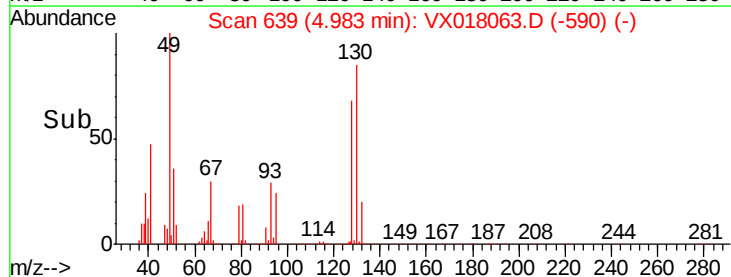
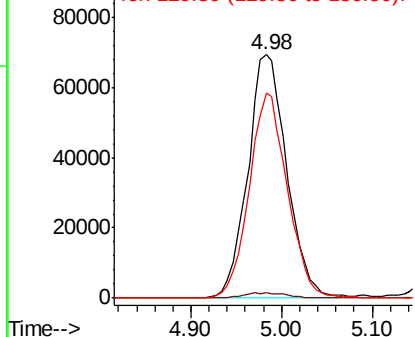


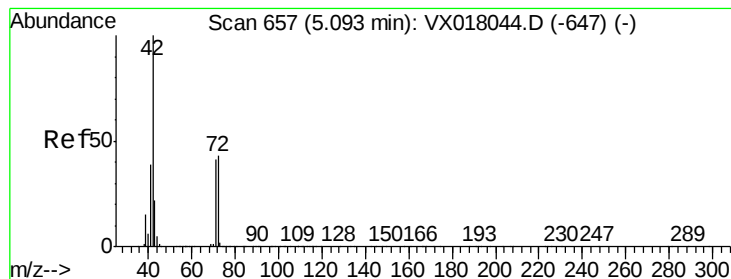
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 258.517 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

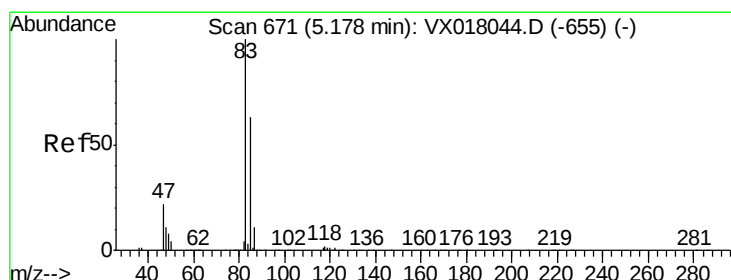
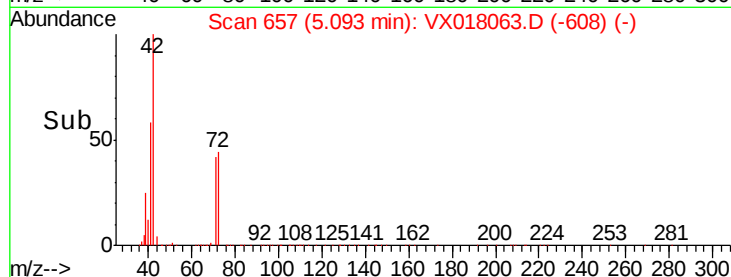
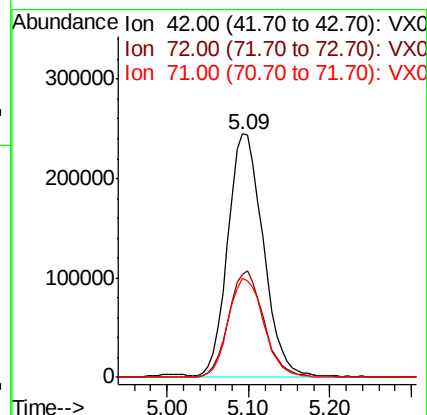
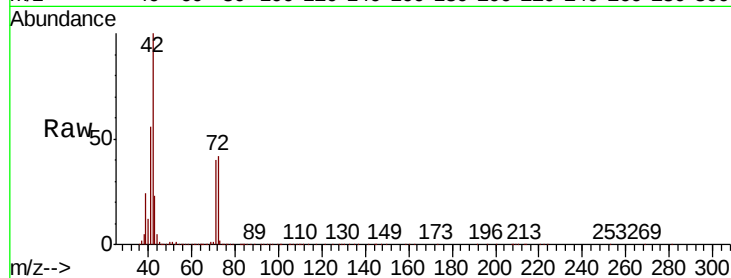
Tot Ion: 42 Resp: 734532

Ion Ratio Lower Upper

42 100

72 43.7 34.2 51.4

71 41.0 32.1 48.1



#30

Chloroform

Concen: 52.140 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX018063.D

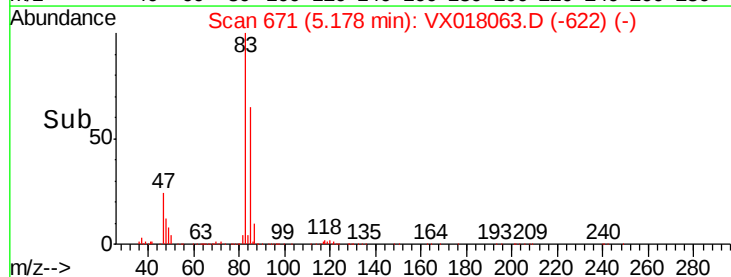
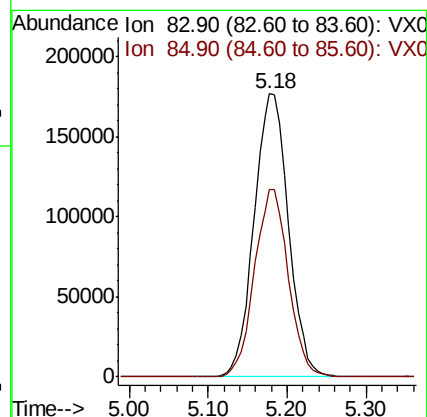
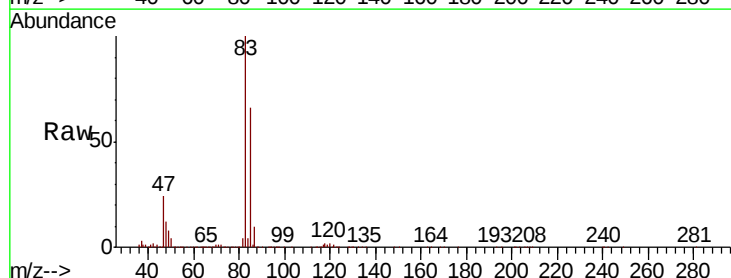
Acq: 21 Aug 2020 16:54

Tgt Ion: 83 Resp: 534678

Ion Ratio Lower Upper

83 100

85 66.0 50.7 76.1

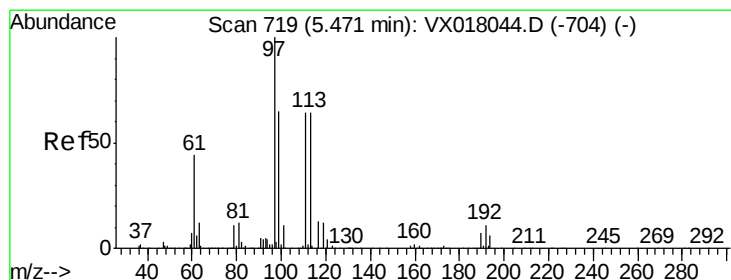
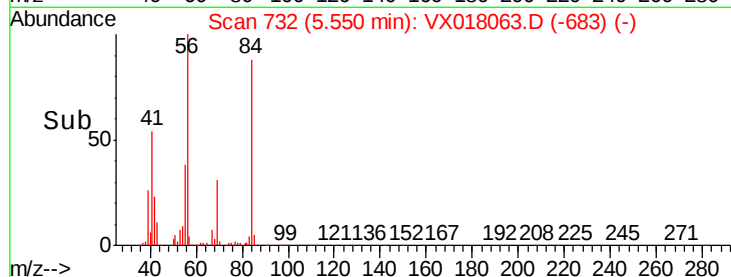
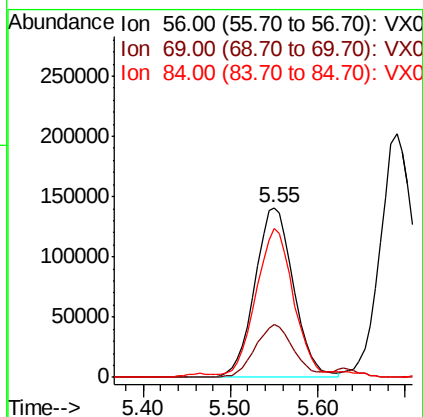
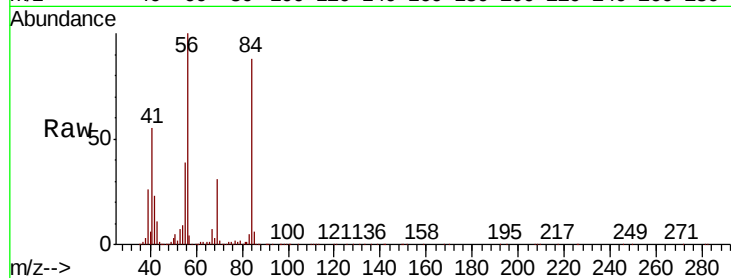




#31  
Cyclohexane  
Concen: 52.197 ug/l  
RT: 5.55 min Scan# 732  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

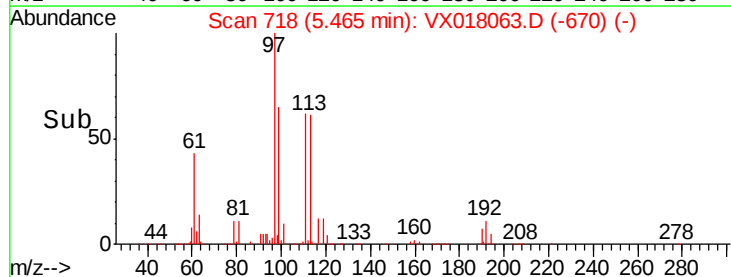
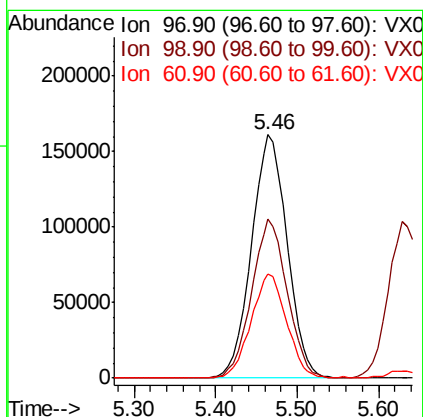
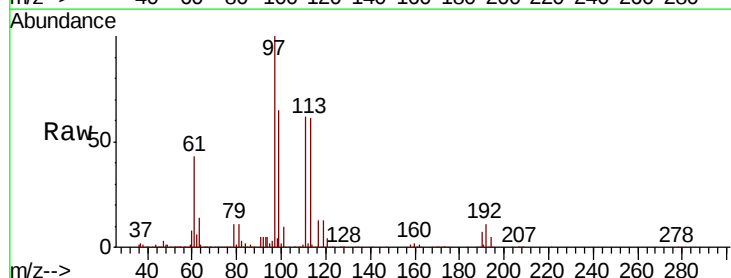
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

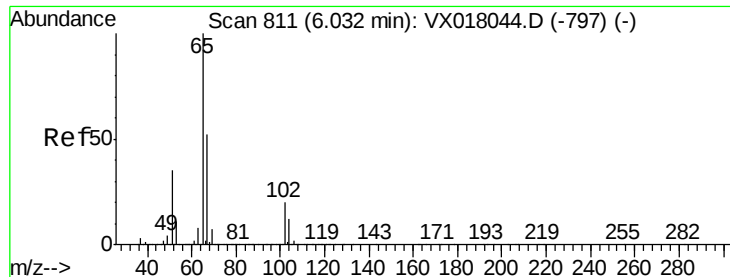
Tot Ion: 56 Resp: 435449  
Ion Ratio Lower Upper  
56 100  
69 31.0 23.9 35.9  
84 86.5 67.0 100.4



#32  
1,1,1-Trichloroethane  
Concen: 52.118 ug/l  
RT: 5.46 min Scan# 718  
Delta R.T. -0.01 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion: 97 Resp: 490461  
Ion Ratio Lower Upper  
97 100  
99 65.2 51.4 77.0  
61 42.4 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 51.477 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

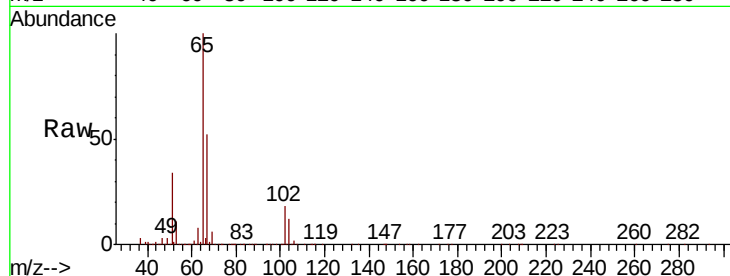
VSTDCCC050EC

Tot Ion: 65 Resp: 358789

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

150000

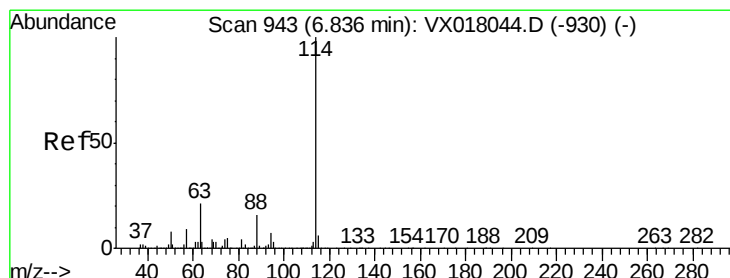
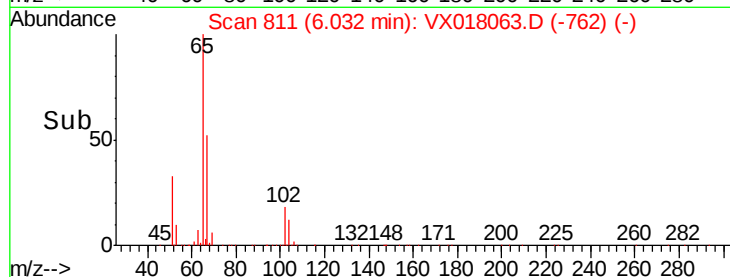
100000

50000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

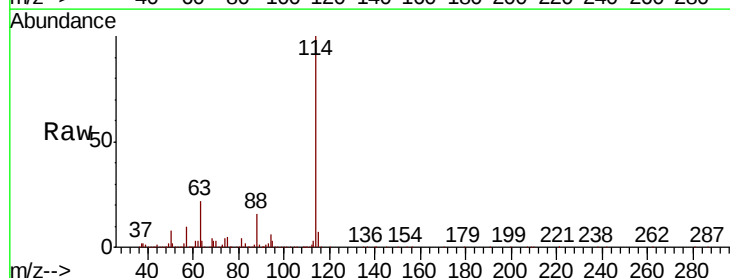
Tgt Ion: 114 Resp: 801862

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.6

88 16.4 0.0 31.8



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

6.83

400000

300000

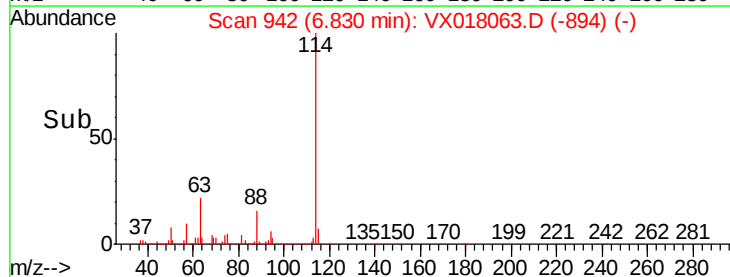
200000

100000

0

Time-->

6.70 6.80 6.90

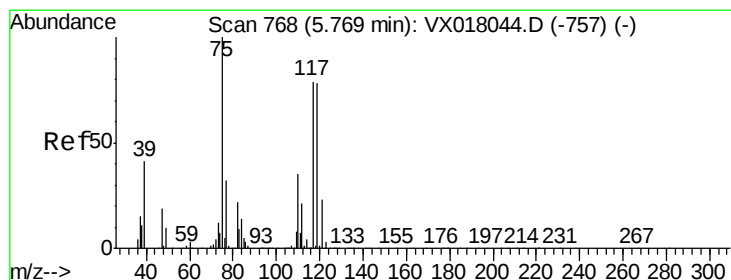
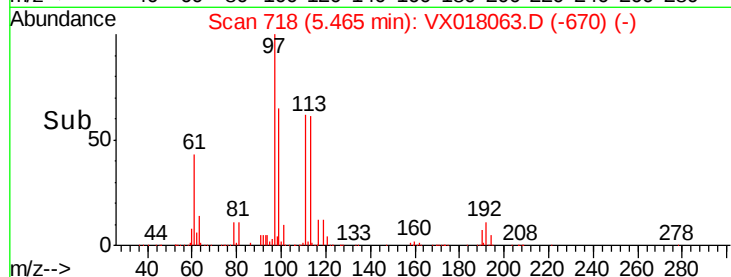
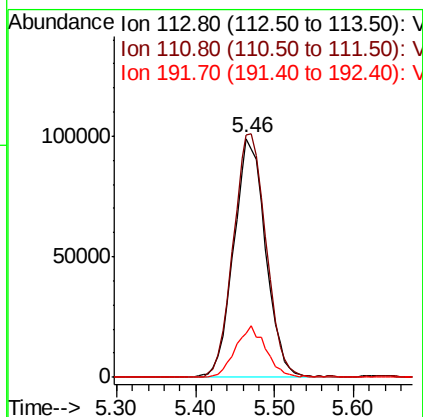
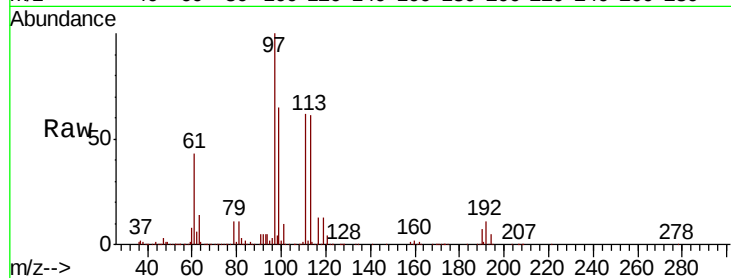




#35  
 Dibromofluoromethane  
 Concen: 51.086 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.01 min  
 Lab File: VX018063.D  
 Acq: 21 Aug 2020 16:54

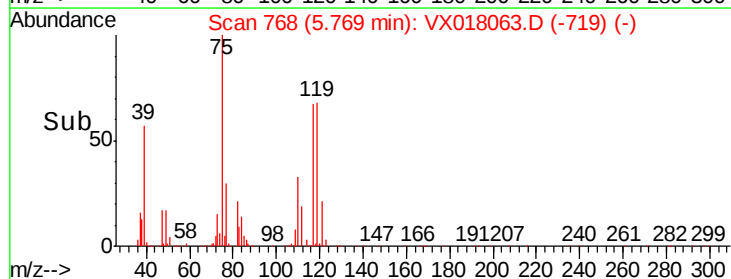
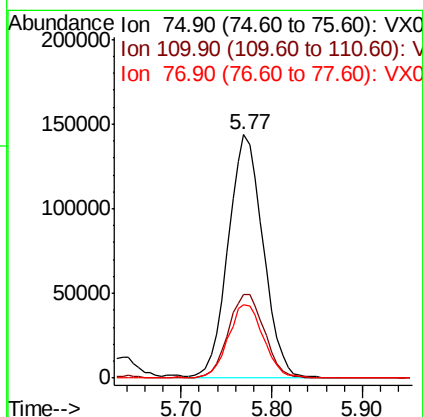
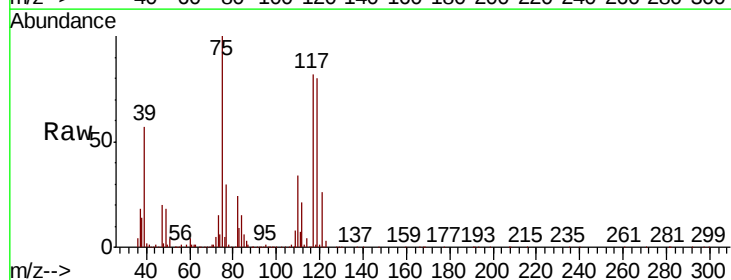
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

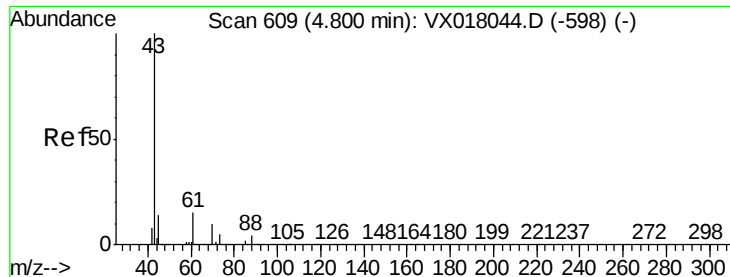
Tot Ion:113 Resp: 278984  
 Ion Ratio Lower Upper  
 113 100  
 111 104.6 81.6 122.4  
 192 20.6 15.8 23.8



#36  
 1,1-Dichloropropene  
 Concen: 51.669 ug/l  
 RT: 5.77 min Scan# 768  
 Delta R.T. -0.00 min  
 Lab File: VX018063.D  
 Acq: 21 Aug 2020 16:54

Tgt Ion: 75 Resp: 382139  
 Ion Ratio Lower Upper  
 75 100  
 110 36.0 18.0 54.0  
 77 30.6 24.4 36.6

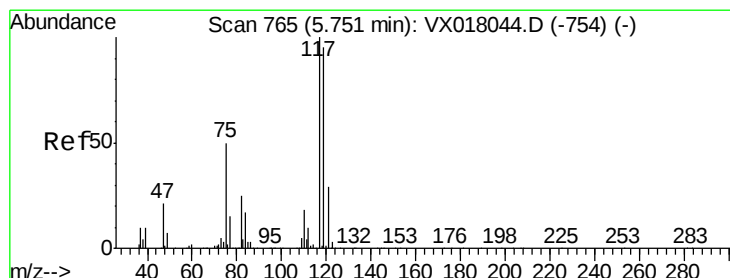
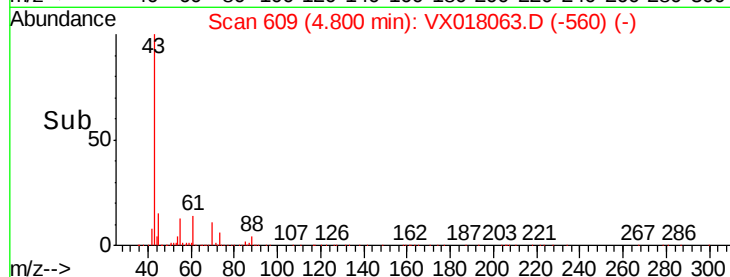
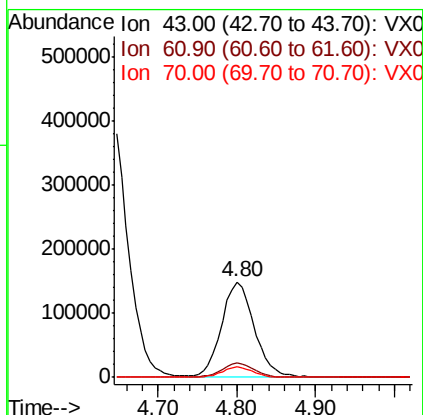
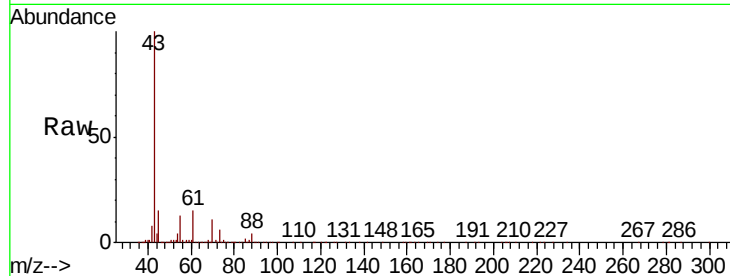




#37  
Ethyl Acetate  
Concen: 49.685 ug/l  
RT: 4.80 min Scan# 609  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

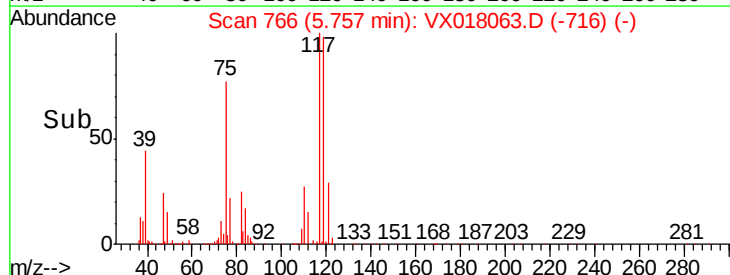
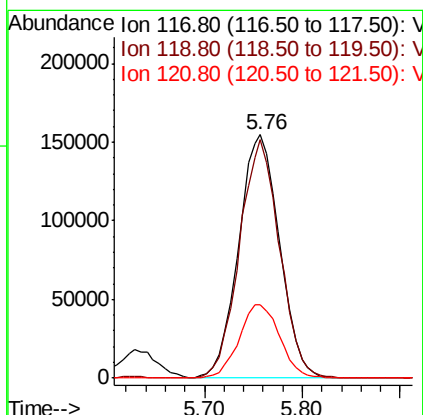
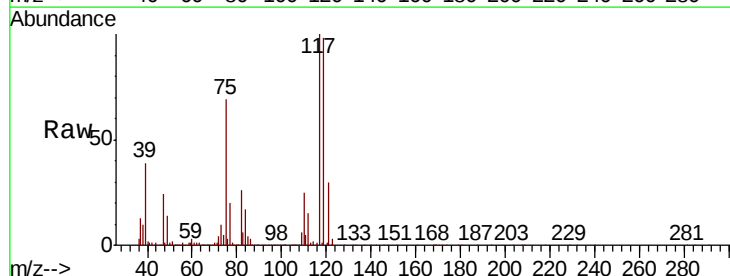
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

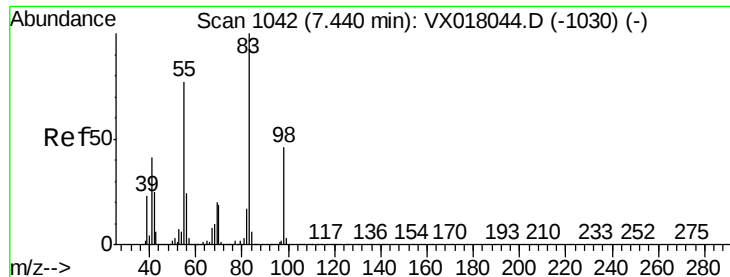
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.9  | 11.3  | 16.9  |
| 70      | 10.3  | 8.2   | 12.4  |



#38  
Carbon Tetrachloride  
Concen: 53.810 ug/l  
RT: 5.76 min Scan# 766  
Delta R.T. 0.01 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.0  | 75.8  | 113.6 |
| 121     | 30.2  | 23.4  | 35.0  |

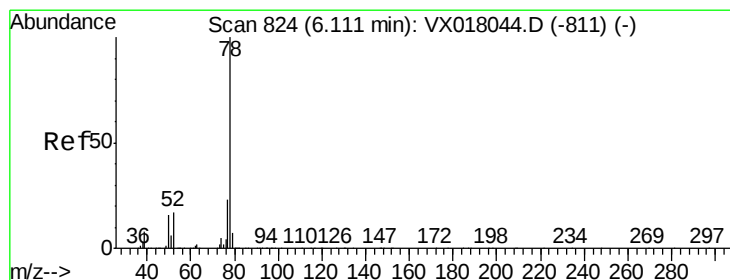
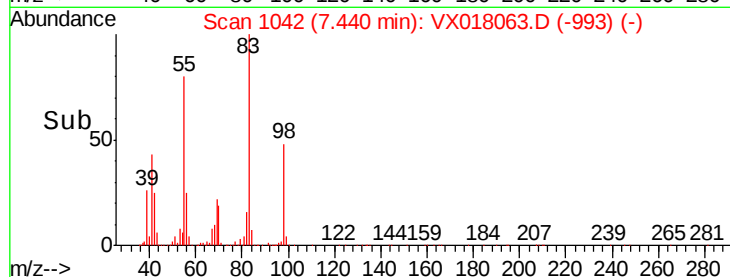
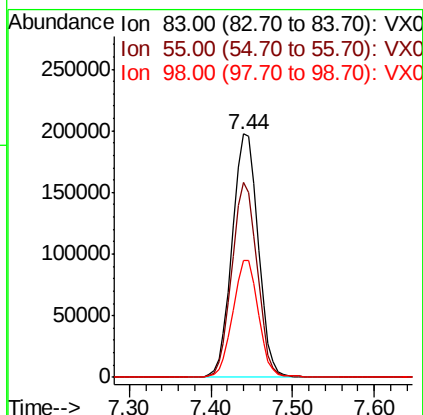
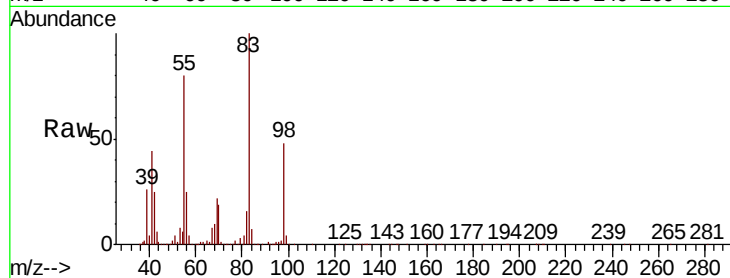




#39  
Methvlcvclohexane  
Concen: 53.781 ug/l  
RT: 7.44 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

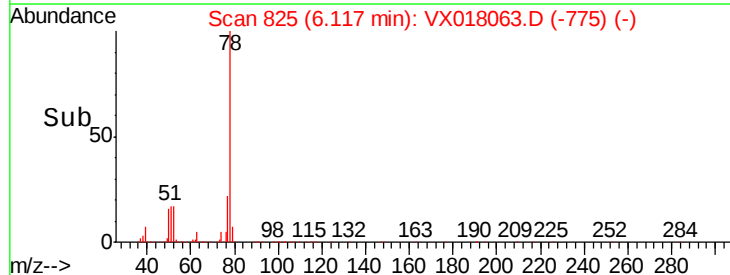
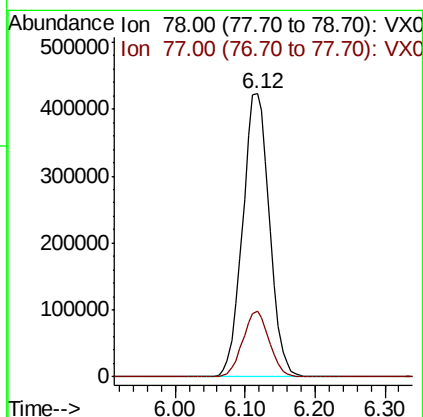
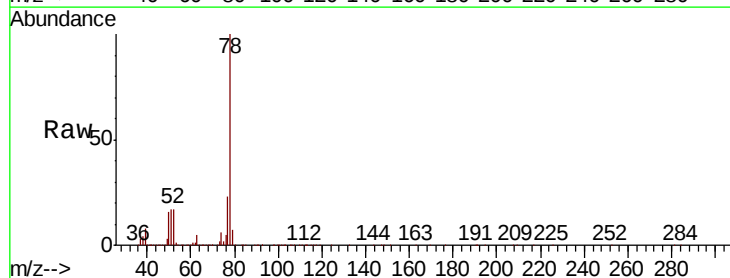
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 83 Resp: 434940  
Ion Ratio Lower Upper  
83 100  
55 79.9 61.8 92.6  
98 48.2 36.6 55.0



#40  
Benzene  
Concen: 51.921 ug/l  
RT: 6.12 min Scan# 825  
Delta R.T. 0.01 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion: 78 Resp: 1128346  
Ion Ratio Lower Upper  
78 100  
77 23.1 18.2 27.2

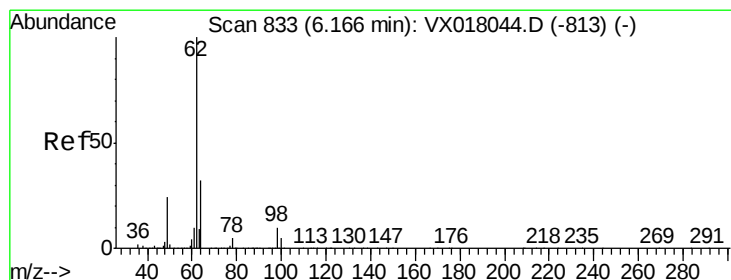
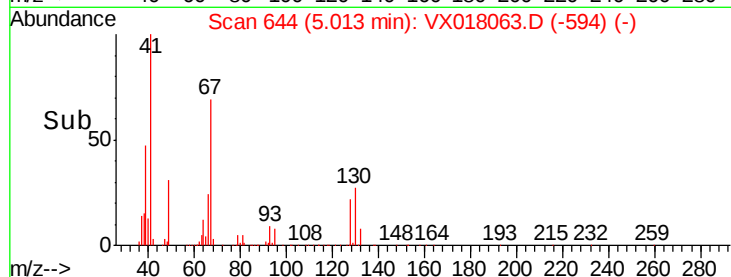
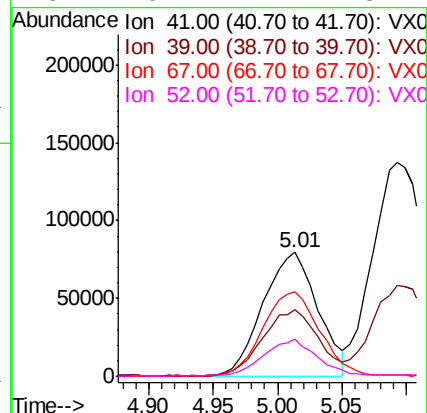
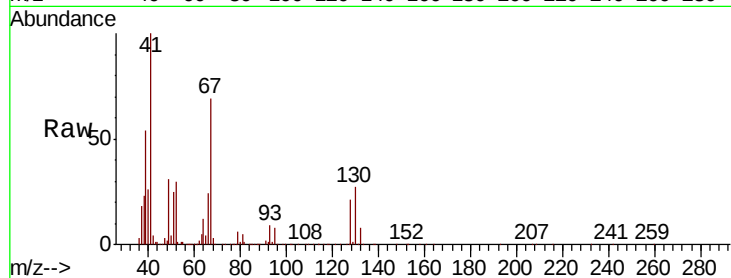




#41  
Methacrylonitrile  
Concen: 49.631 ug/l  
RT: 5.01 min Scan# 644  
Delta R.T. 0.01 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

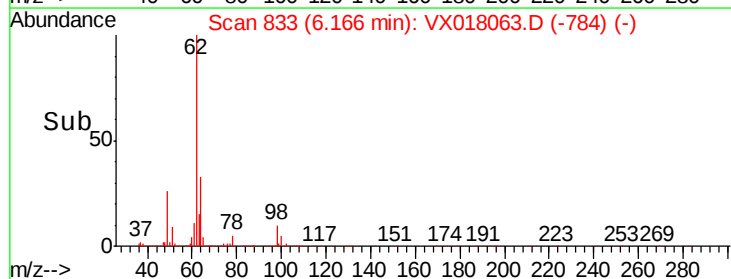
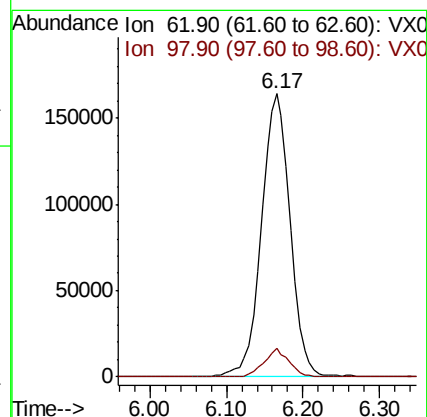
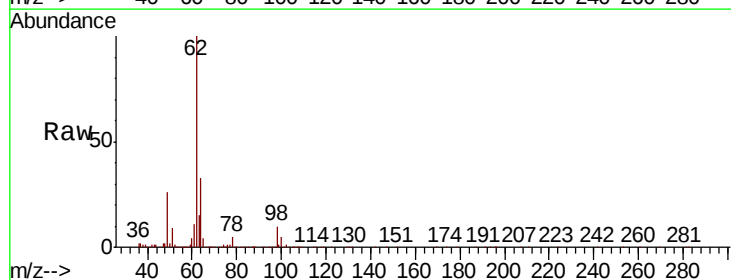
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

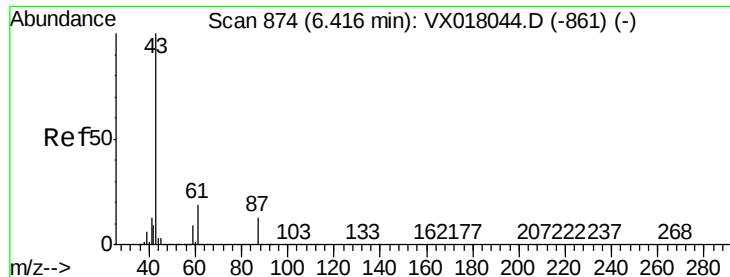
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 234086 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 54.9  | 43.1  | 64.7   |
| 67       | 71.4  | 56.0  | 84.0   |
| 52       | 29.1  | 22.7  | 34.1   |



#42  
1,2-Dichloroethane  
Concen: 51.241 ug/l  
RT: 6.17 min Scan# 833  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 426656 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.8   | 0.0   | 18.2   |





#43

Isopropyl Acetate

Concen: 50.931 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

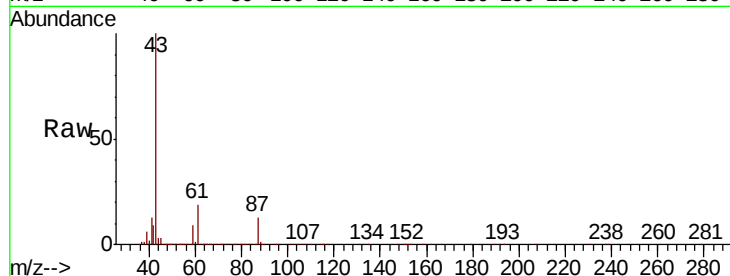
Tot Ion: 43 Resp: 706635

Ion Ratio Lower Upper

43 100

61 20.0 15.7 23.5

87 13.1 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

6.42

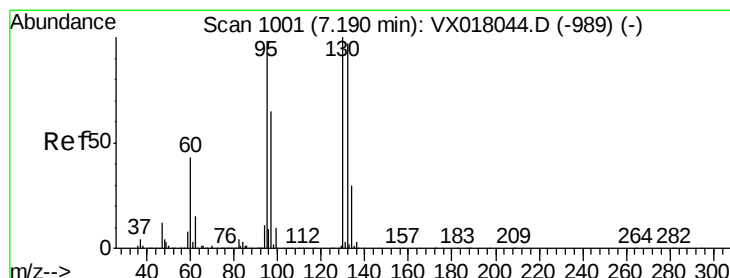
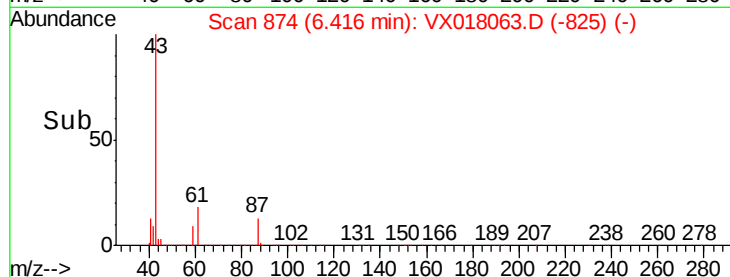
300000

200000

100000

0

Time-->



#44

Trichloroethene

Concen: 53.118 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018063.D

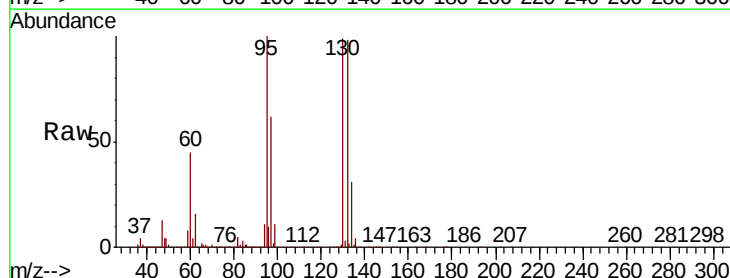
Acq: 21 Aug 2020 16:54

Tgt Ion: 130 Resp: 326178

Ion Ratio Lower Upper

130 100

95 101.0 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

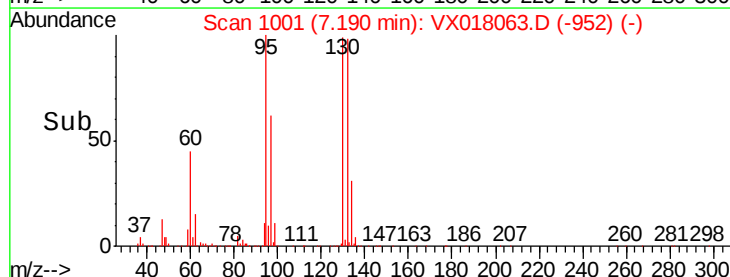
150000

100000

50000

0

Time-->





#45

1,2-Dichloropropane

Concen: 53.837 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

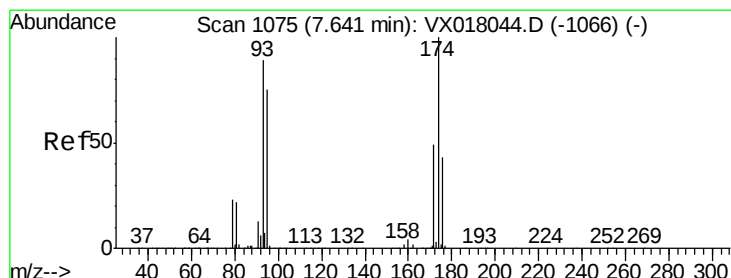
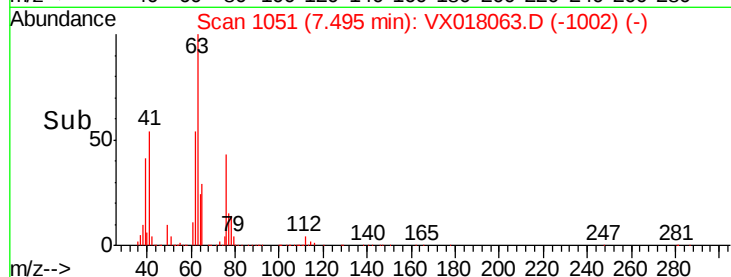
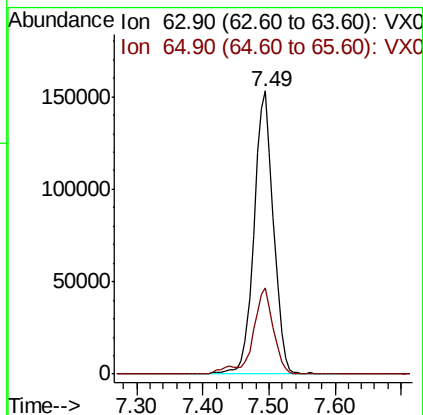
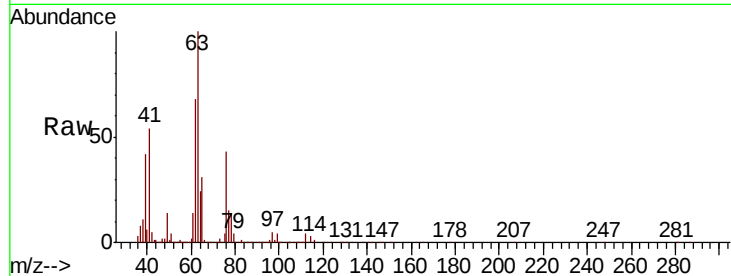
VSTDCCC050EC

Tot Ion: 63 Resp: 315333

Ion Ratio Lower Upper

63 100

65 30.6 25.7 38.5



#46

Dibromomethane

Concen: 53.012 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

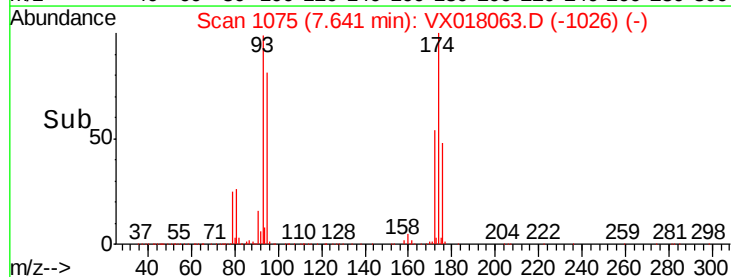
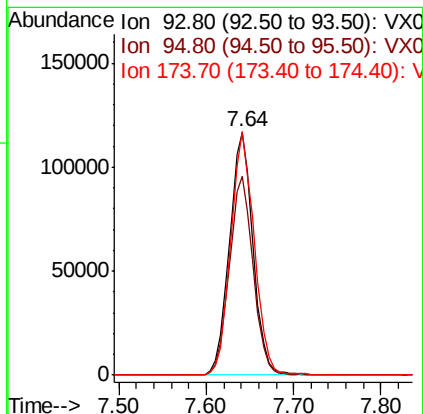
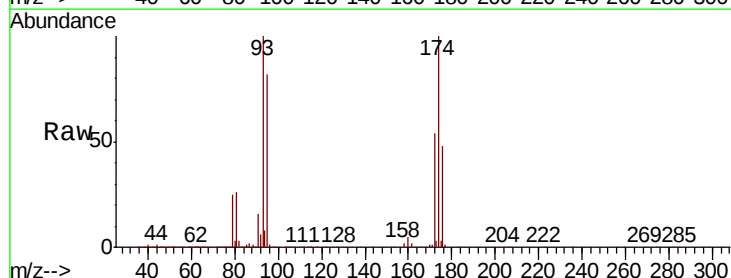
Tgt Ion: 93 Resp: 218350

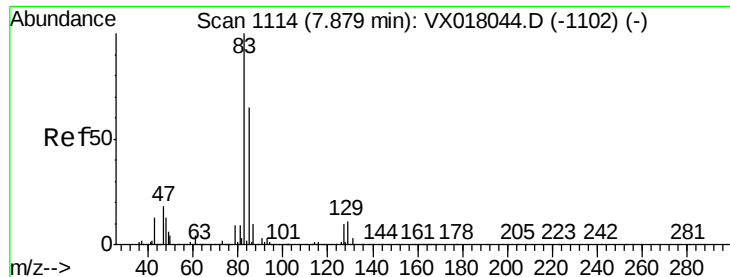
Ion Ratio Lower Upper

93 100

95 82.8 67.3 100.9

174 100.7 82.2 123.2





#47

Bromodichloromethane

Concen: 54.542 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

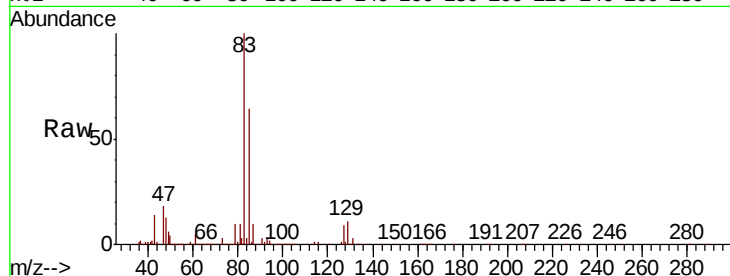
Tot Ion: 83 Resp: 448557

Ion Ratio Lower Upper

83 100

85 64.4 51.8 77.6

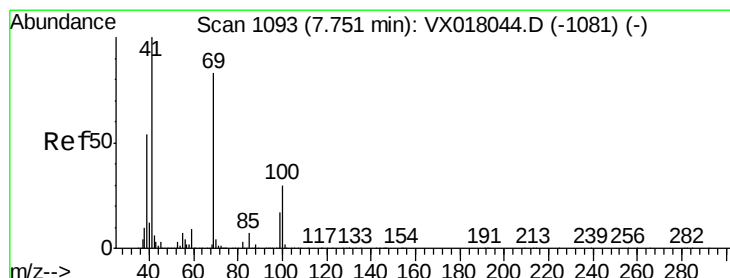
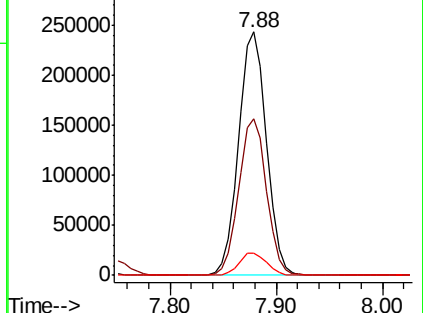
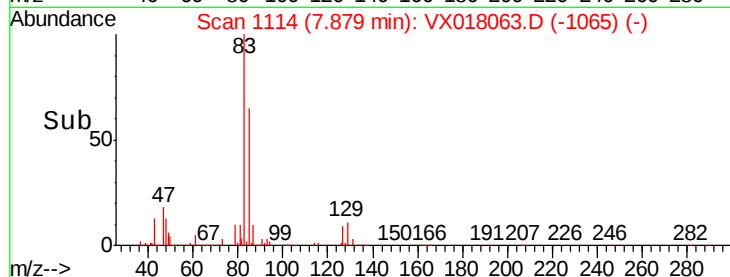
127 9.1 7.7 11.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.390 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

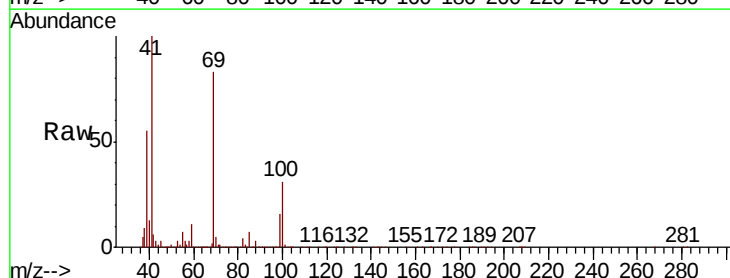
Tgt Ion: 41 Resp: 368754

Ion Ratio Lower Upper

41 100

69 81.9 65.5 98.3

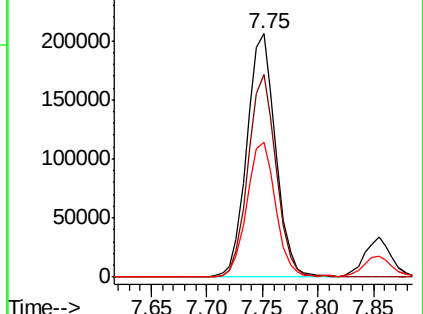
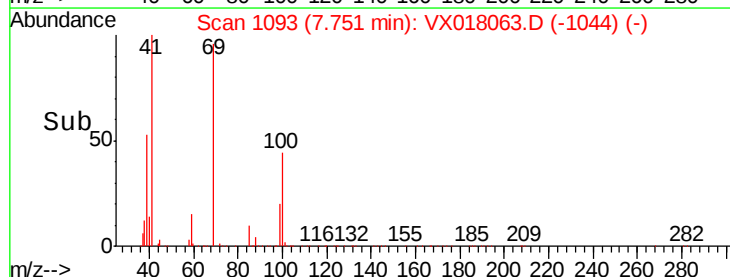
39 55.2 44.5 66.7

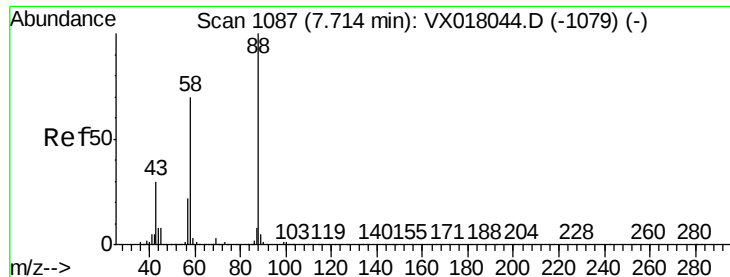


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1016.121 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

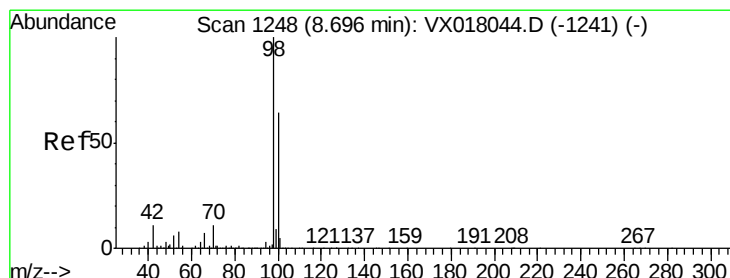
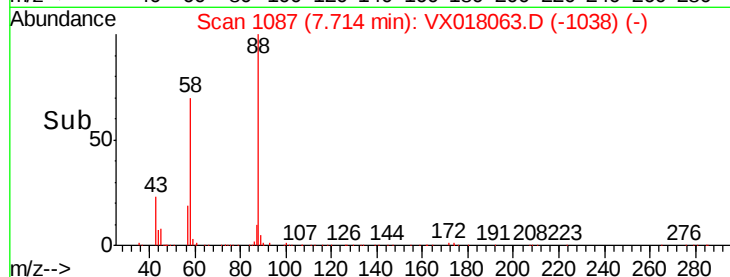
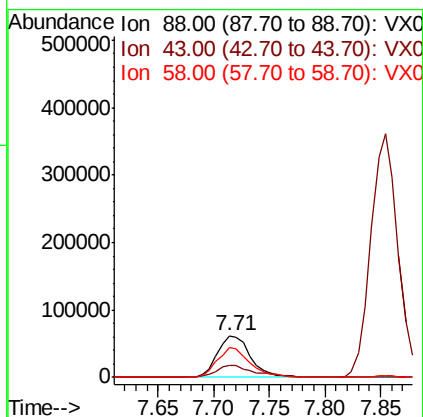
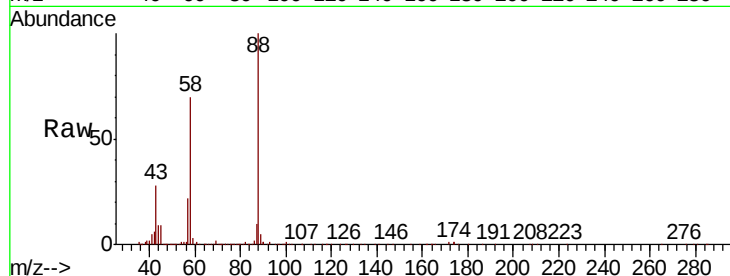
Tot Ion: 88 Resp: 127127

Ion Ratio Lower Upper

88 100

43 32.8 27.4 41.0

58 70.9 56.4 84.6



#50

Toluene-d8

Concen: 51.755 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018063.D

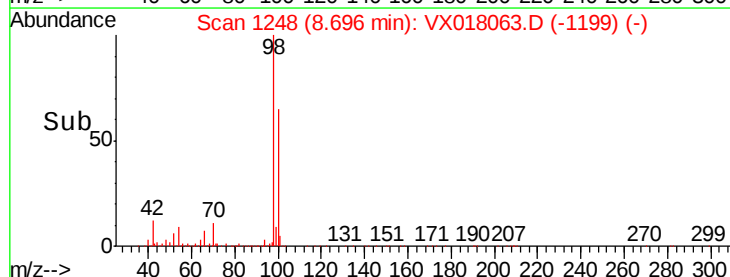
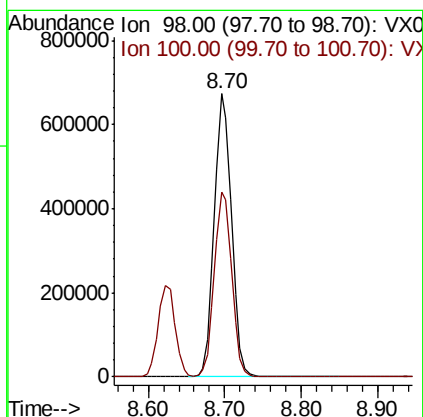
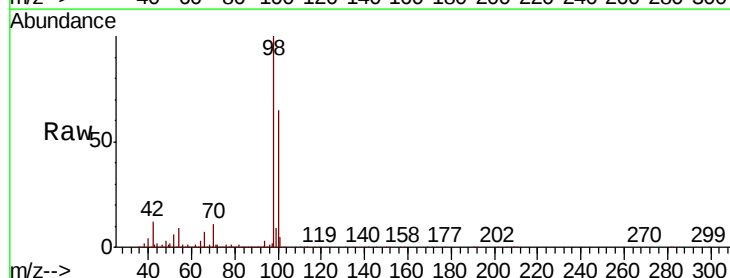
Acq: 21 Aug 2020 16:54

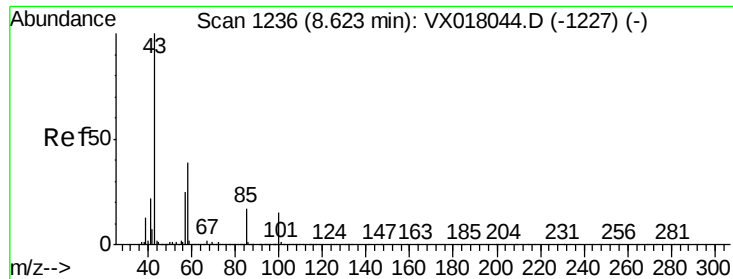
Tgt Ion: 98 Resp: 1052705

Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.4

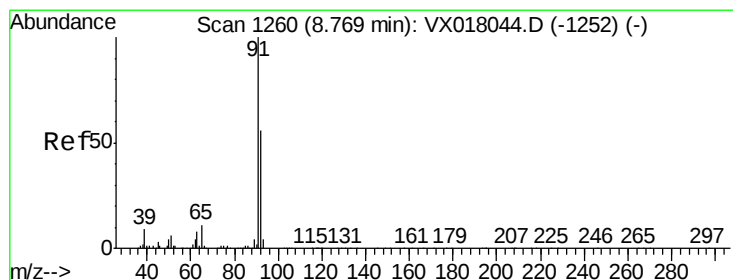
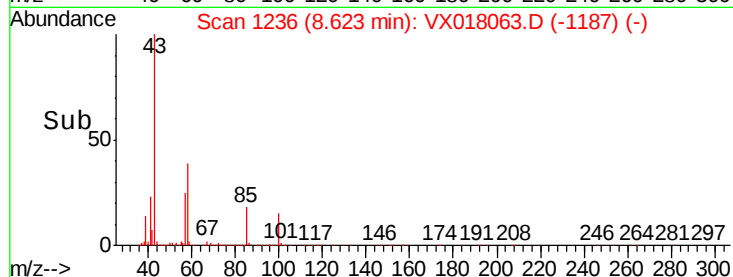
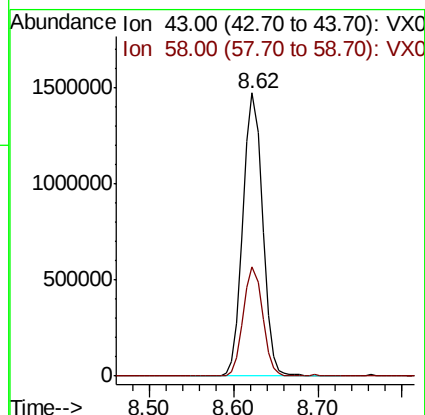
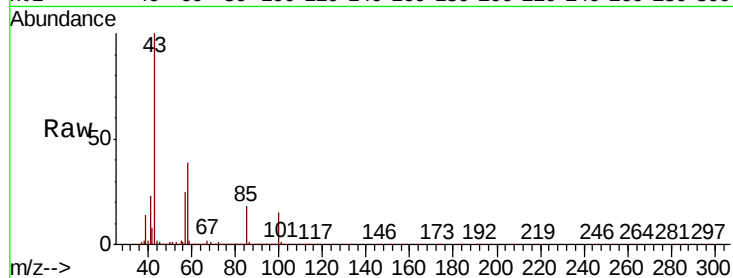




#51  
4-Methyl-2-Pentanone  
Concen: 268.220 ug/l  
RT: 8.62 min Scan# 1236  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

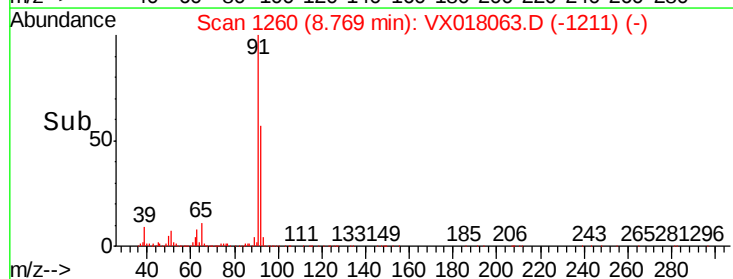
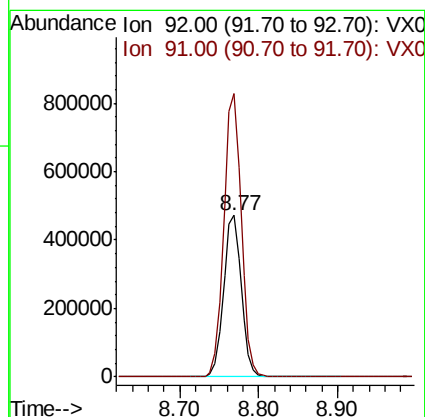
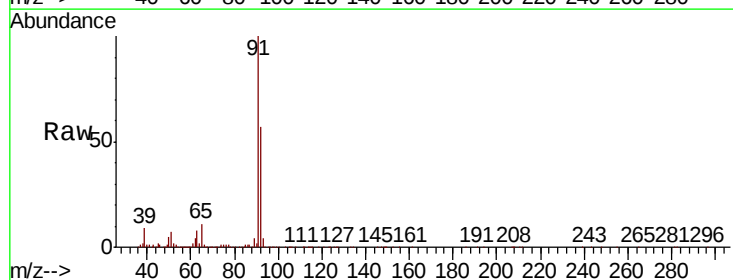
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 2298728  
Ion Ratio Lower Upper  
43 100  
58 38.2 30.7 46.1



#52  
Toluene  
Concen: 53.339 ug/l  
RT: 8.77 min Scan# 1260  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion: 92 Resp: 735026  
Ion Ratio Lower Upper  
92 100  
91 174.0 140.3 210.5

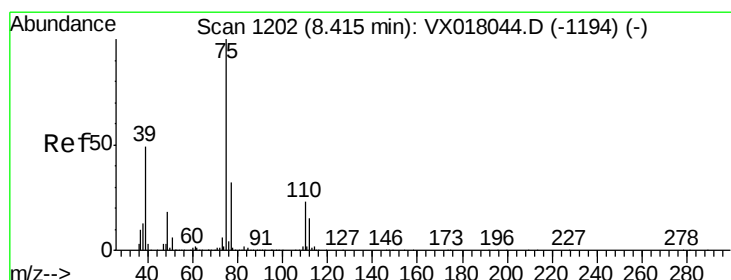
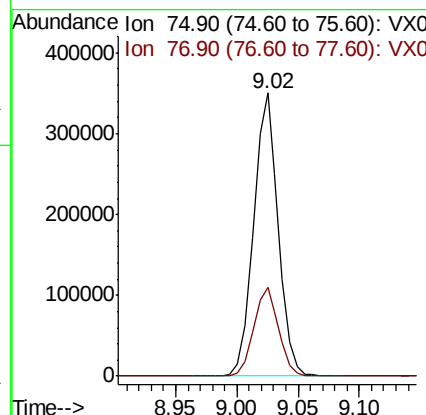
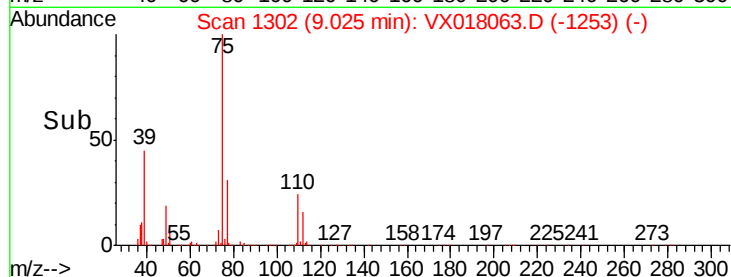
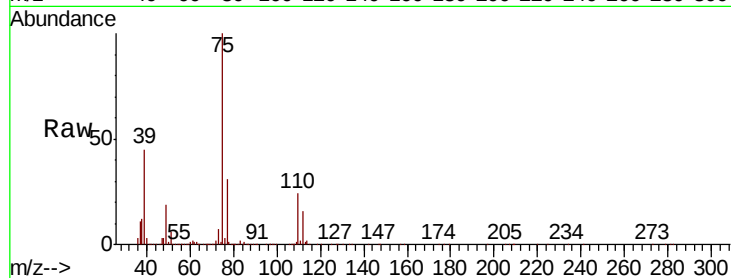




#53  
t-1,3-Dichloropropene  
Concen: 53.476 ug/l  
RT: 9.02 min Scan# 1302  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

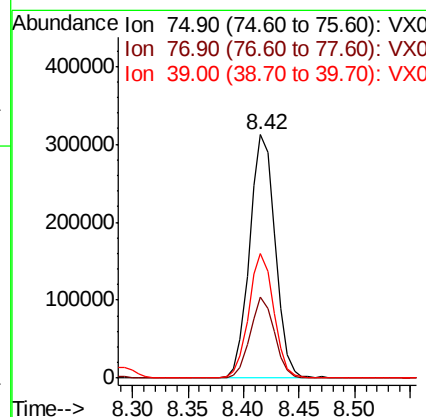
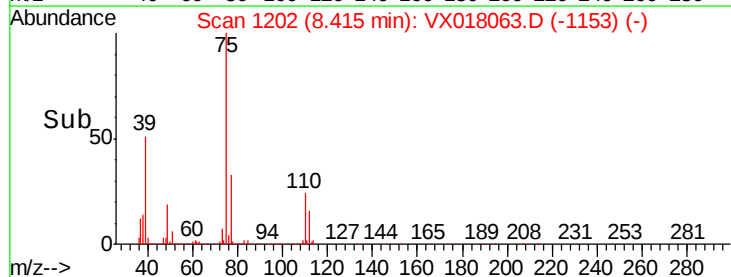
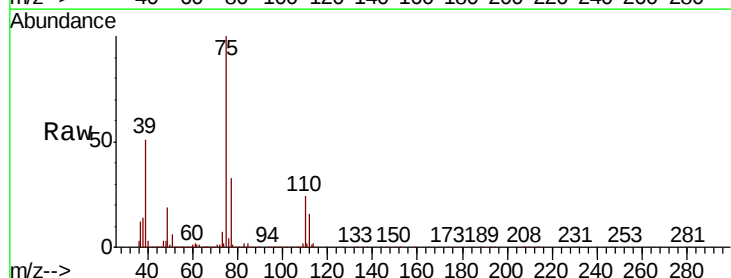
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

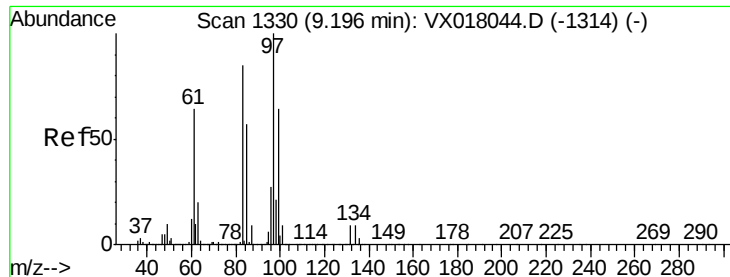
Tot Ion: 75 Resp: 487427  
Ion Ratio Lower Upper  
75 100  
77 31.2 26.6 39.8



#54  
cis-1,3-Dichloropropene  
Concen: 51.700 ug/l  
RT: 8.42 min Scan# 1202  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion: 75 Resp: 499199  
Ion Ratio Lower Upper  
75 100  
77 33.4 25.8 38.8  
39 50.9 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 52.671 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 309558

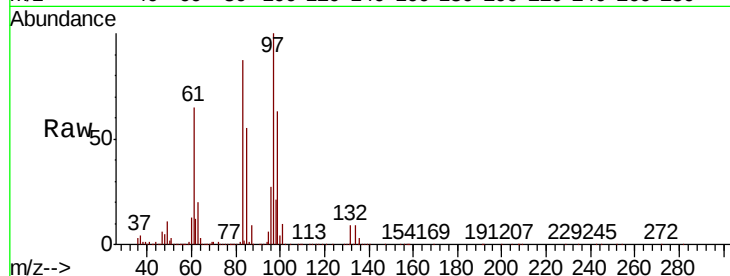
Ion Ratio Lower Upper

97 100

83 86.5 67.8 101.6

85 55.2 45.3 67.9

99 62.9 50.9 76.3

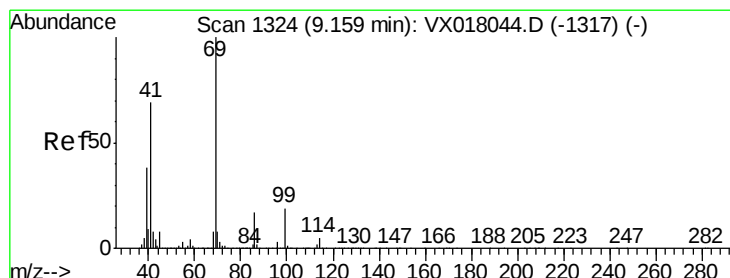
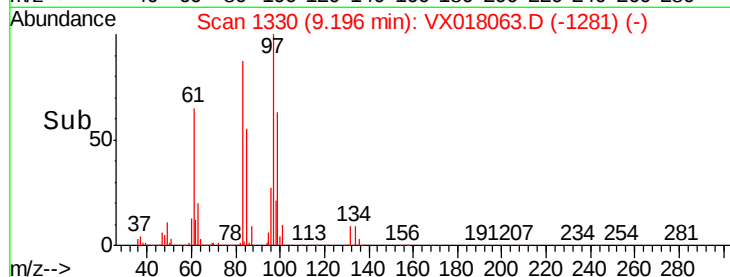
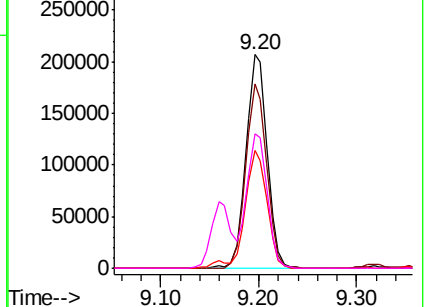


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 54.467 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

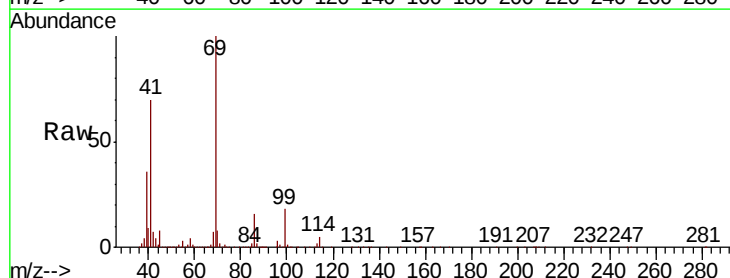
Tgt Ion: 69 Resp: 475881

Ion Ratio Lower Upper

69 100

41 67.8 54.6 81.8

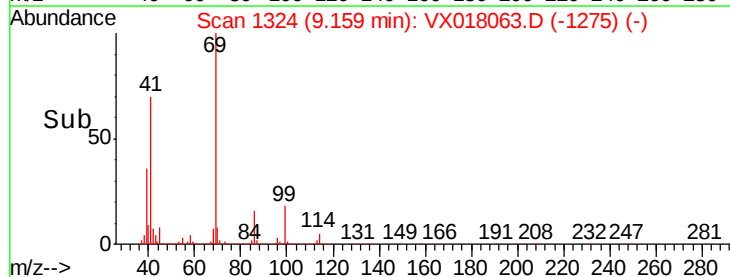
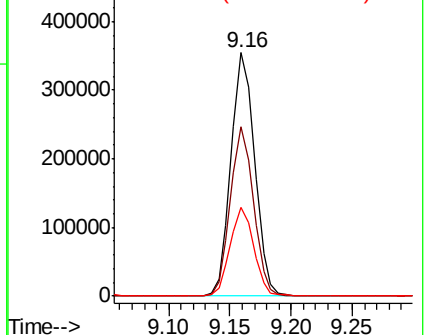
39 36.2 29.1 43.7

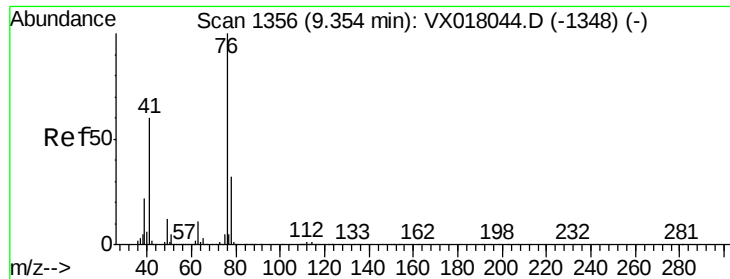


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 53.342 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

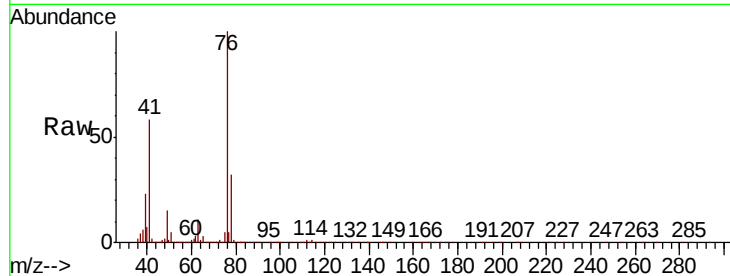
VSTDCCC050EC

Tot Ion: 76 Resp: 517074

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

400000

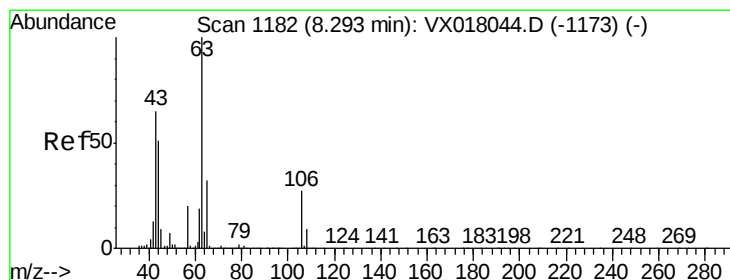
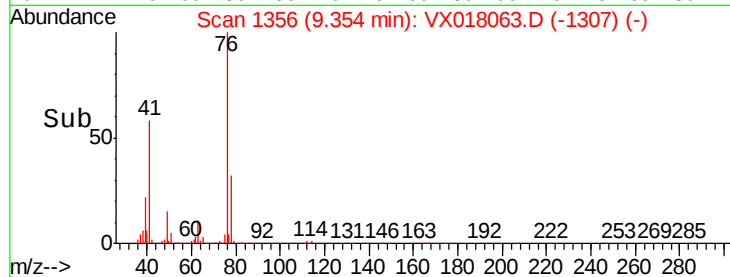
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 251.614 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX018063.D

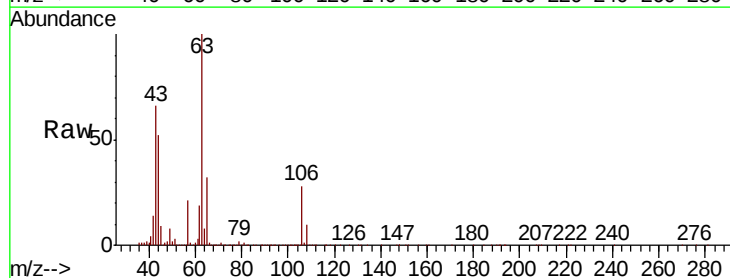
Acq: 21 Aug 2020 16:54

Tgt Ion: 63 Resp: 988929

Ion Ratio Lower Upper

63 100

106 27.8 22.1 33.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

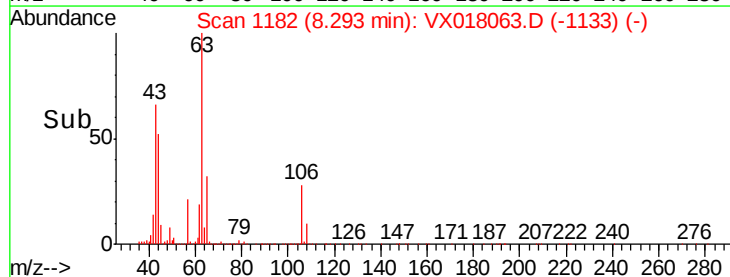
600000

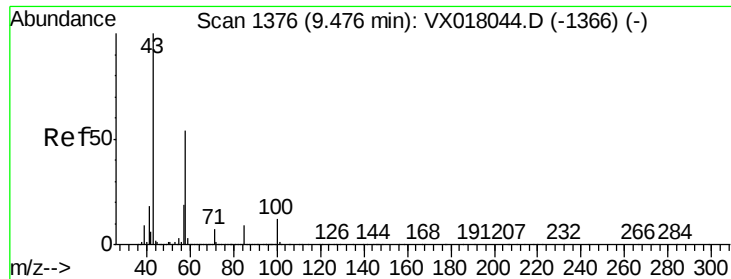
400000

200000

0

Time-->

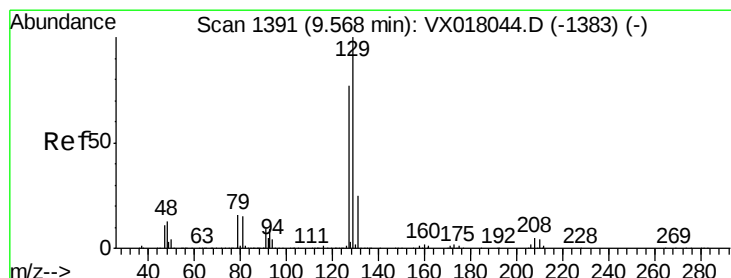
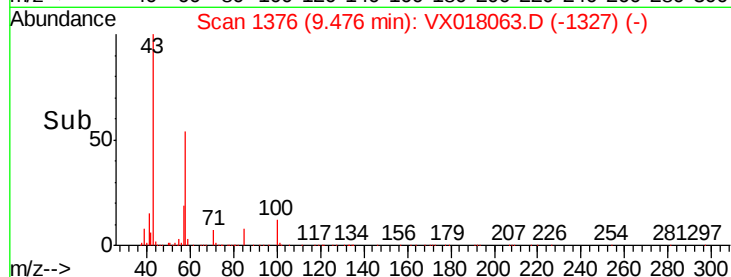
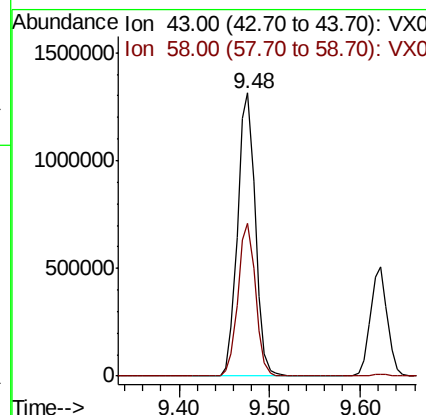
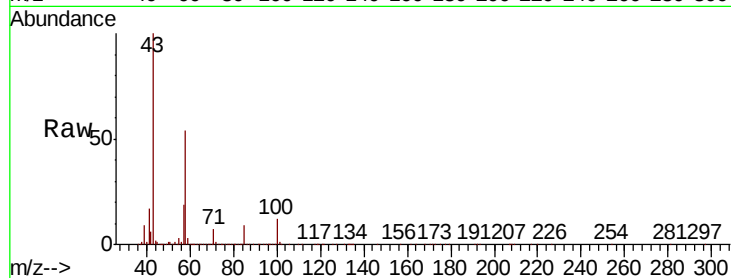




#59  
2-Hexanone  
Concen: 273.169 ug/l  
RT: 9.48 min Scan# 1376  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

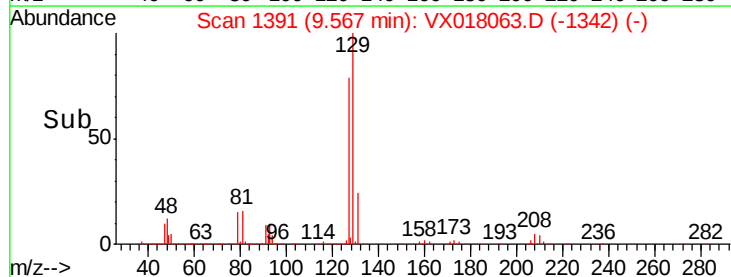
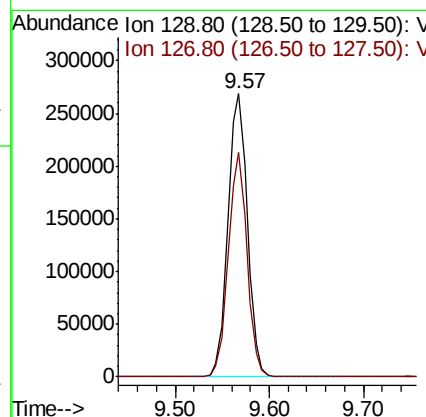
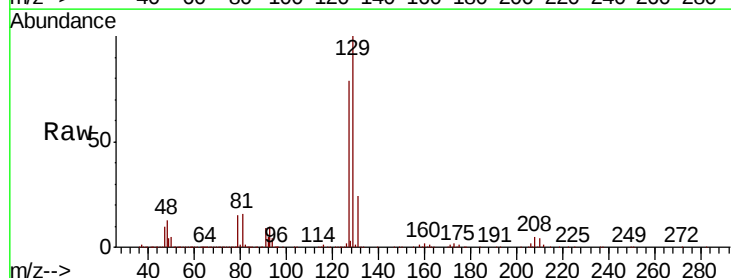
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

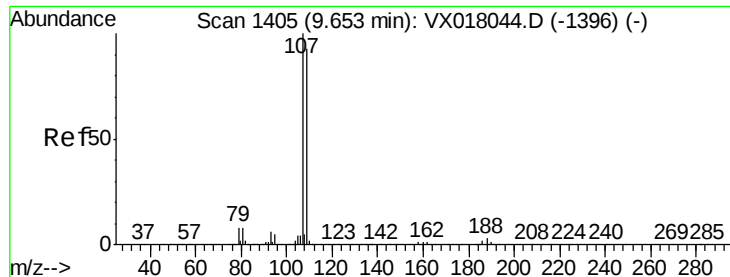
Tot Ion: 43 Resp: 1780170  
Ion Ratio Lower Upper  
43 100  
58 53.4 26.6 79.7



#60  
Dibromochloromethane  
Concen: 55.784 ug/l  
RT: 9.57 min Scan# 1391  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion: 129 Resp: 384600  
Ion Ratio Lower Upper  
129 100  
127 76.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 52.489 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

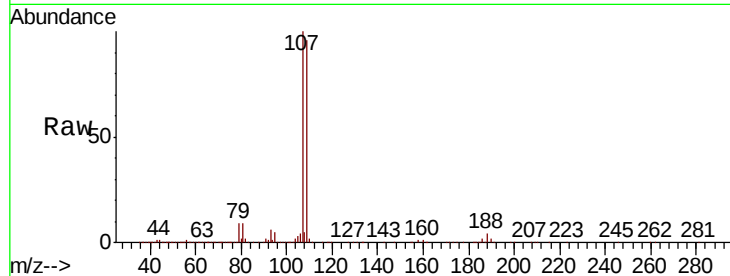
VSTDCCC050EC

Tot Ion: 107 Resp: 334916

Ion Ratio Lower Upper

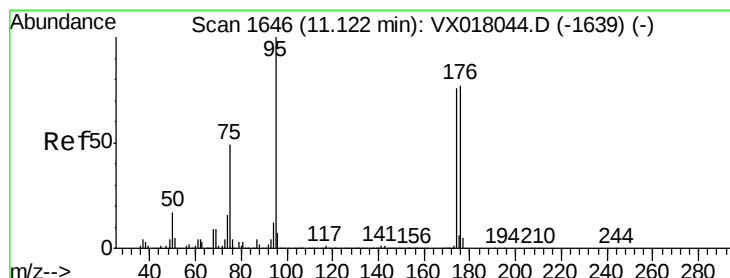
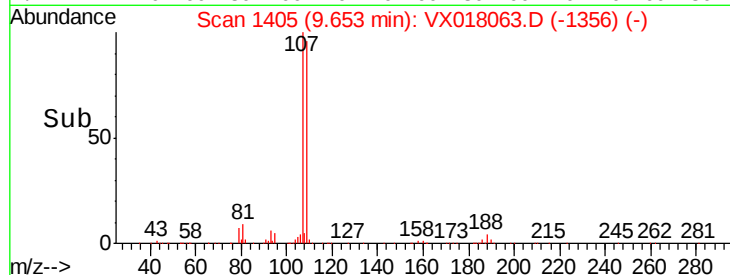
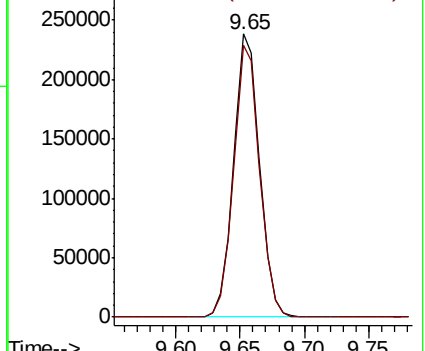
107 100

109 96.0 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.429 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

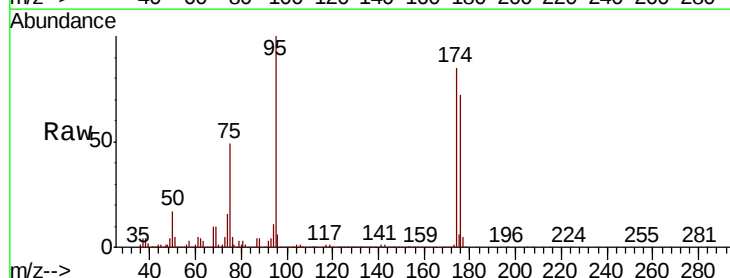
Tgt Ion: 95 Resp: 411567

Ion Ratio Lower Upper

95 100

174 79.8 0.0 160.2

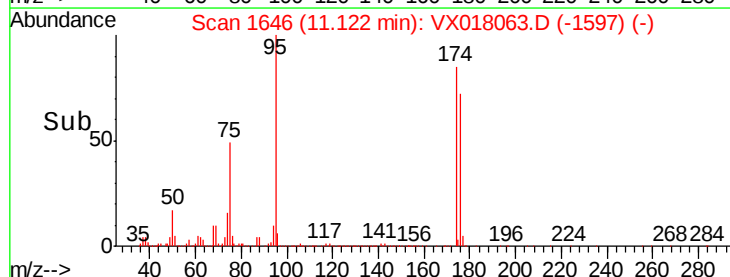
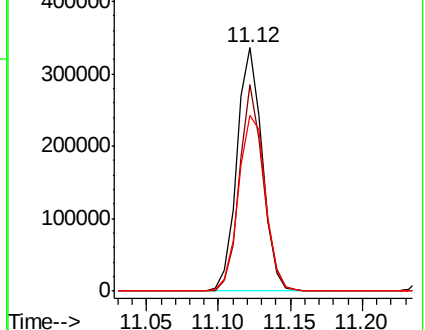
176 76.9 0.0 155.8

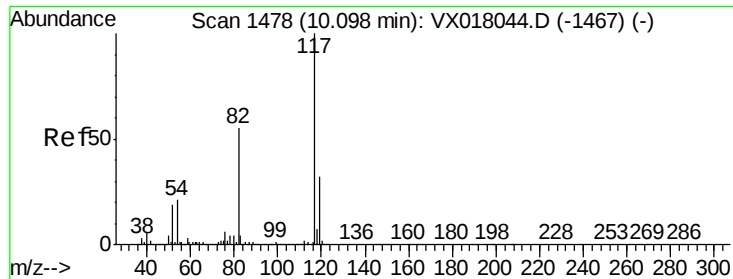


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

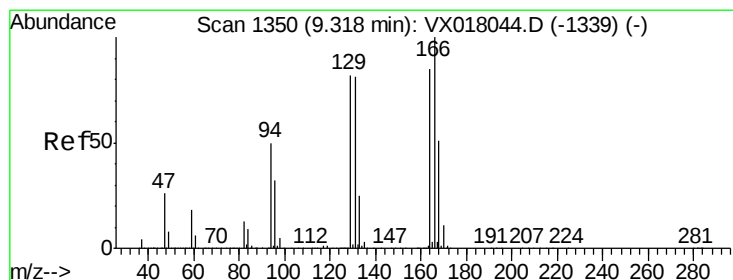
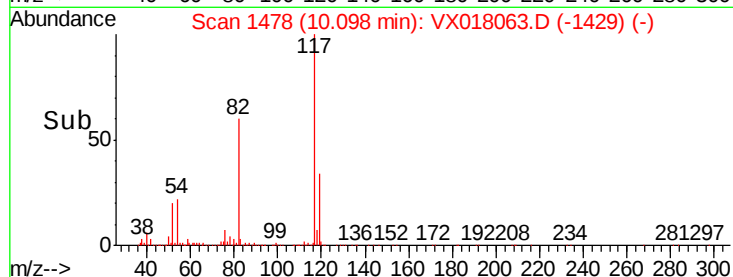
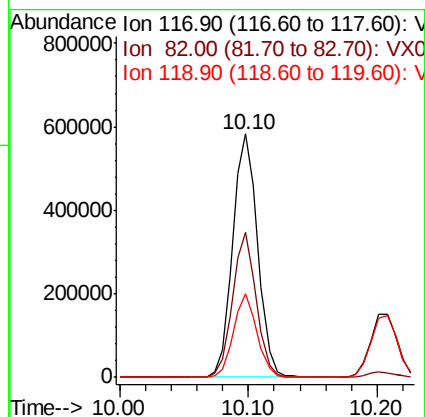
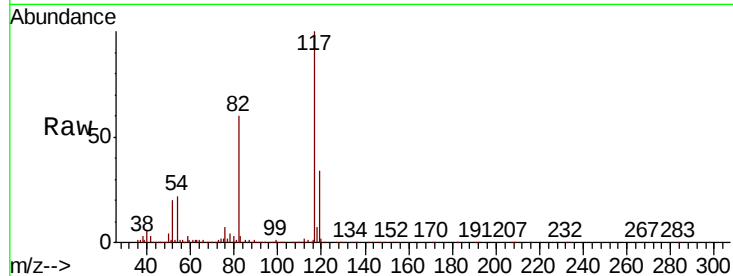




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

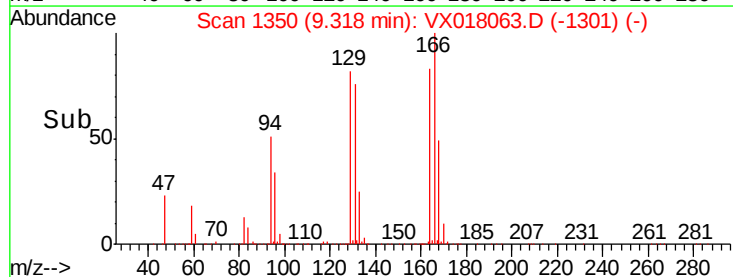
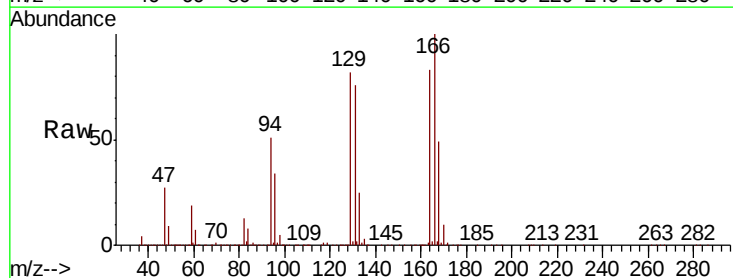
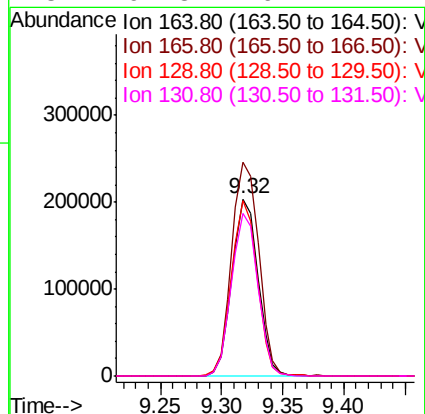
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

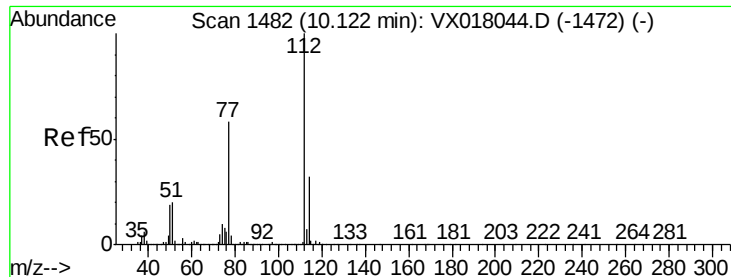
Tot Ion:117 Resp: 790500  
Ion Ratio Lower Upper  
117 100  
82 59.8 44.2 66.2  
119 34.3 25.7 38.5



#64  
Tetrachloroethene  
Concen: 51.550 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion:164 Resp: 299457  
Ion Ratio Lower Upper  
164 100  
166 120.7 94.2 141.2  
129 98.8 76.9 115.3  
131 91.8 76.1 114.1

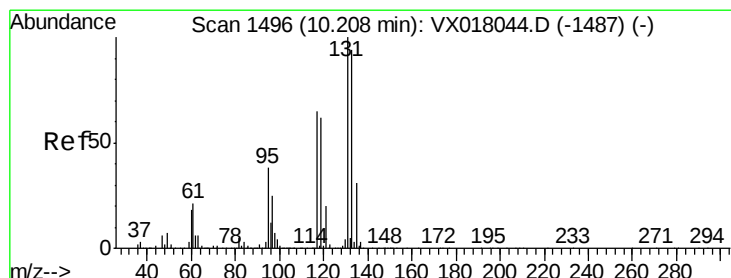
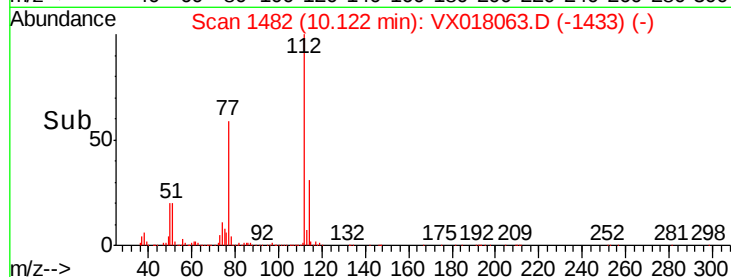
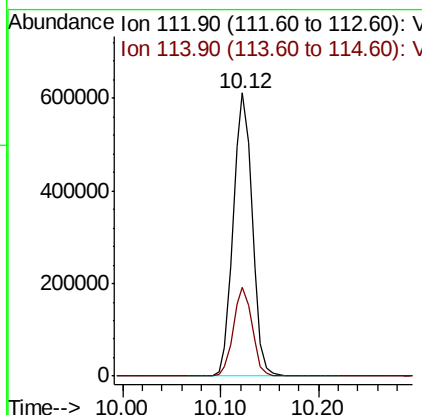
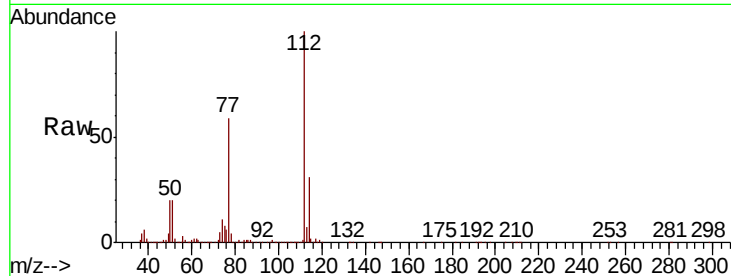




#65  
Chlorobenzene  
Concen: 52.419 ug/l  
RT: 10.12 min Scan# 1482  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

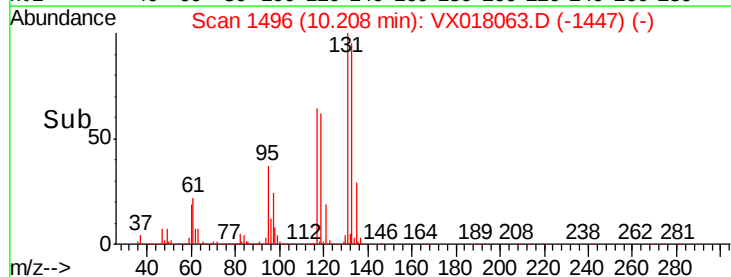
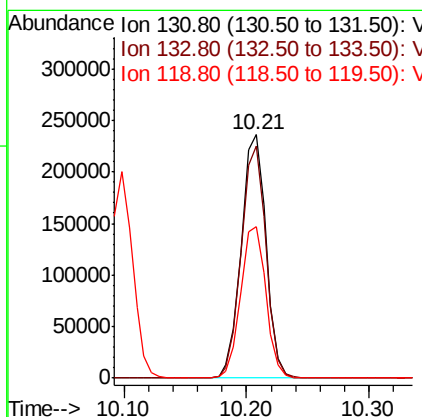
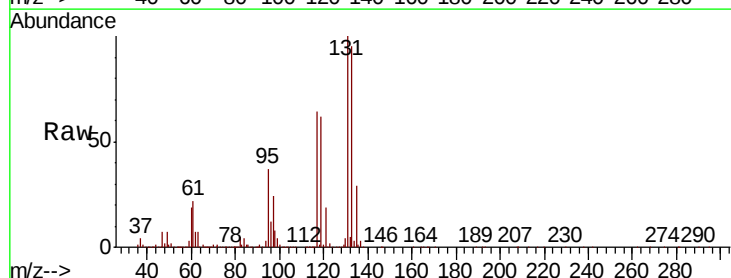
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

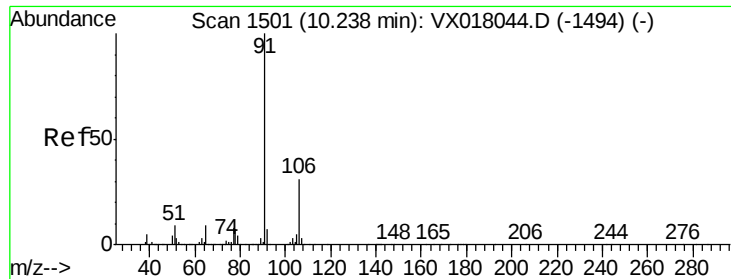
Tot Ion:112 Resp: 827584  
Ion Ratio Lower Upper  
112 100  
114 31.5 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.123 ug/l  
RT: 10.21 min Scan# 1496  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion:131 Resp: 330561  
Ion Ratio Lower Upper  
131 100  
133 95.1 46.7 140.1  
119 63.1 31.8 95.4





#67

Ethyl Benzene

Concen: 52.802 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

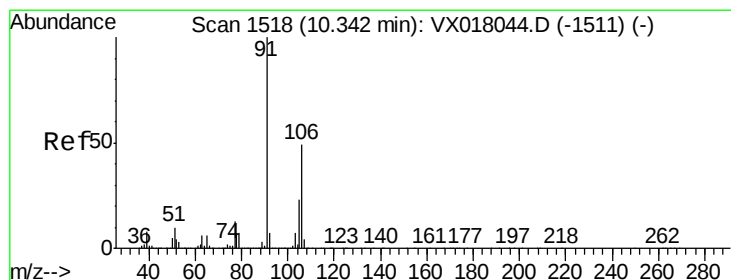
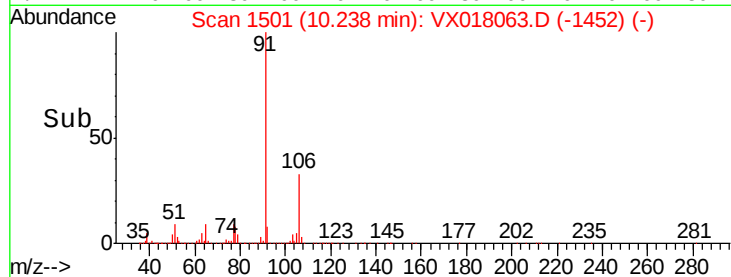
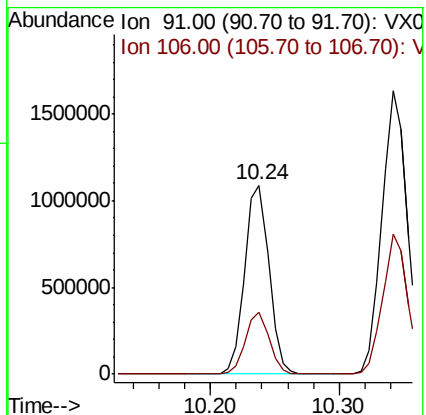
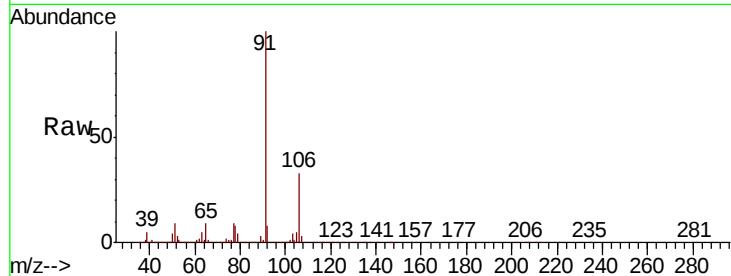
VSTDCCC050EC

Tot Ion: 91 Resp: 1417672

Ion Ratio Lower Upper

91 100

106 32.7 24.9 37.3



#68

m/p-Xylenes

Concen: 107.424 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018063.D

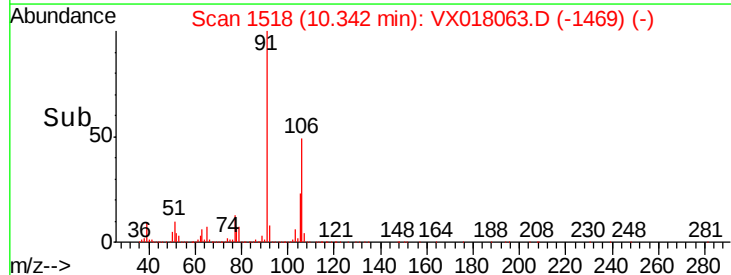
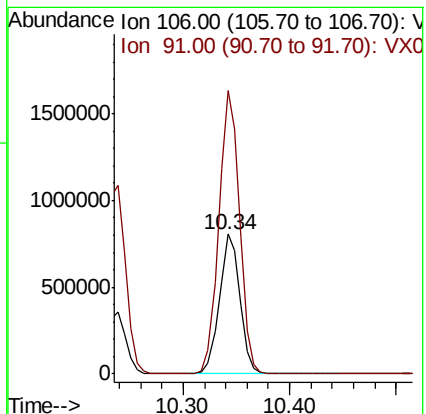
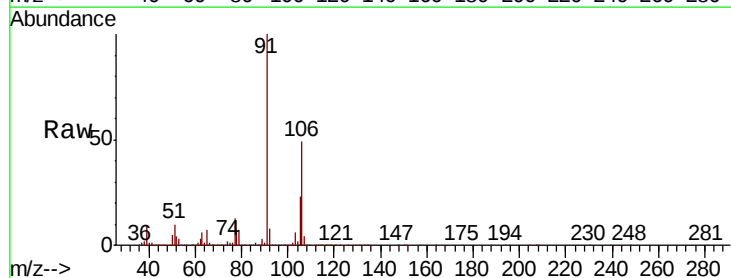
Acq: 21 Aug 2020 16:54

Tgt Ion: 106 Resp: 1076533

Ion Ratio Lower Upper

106 100

91 204.7 162.2 243.2

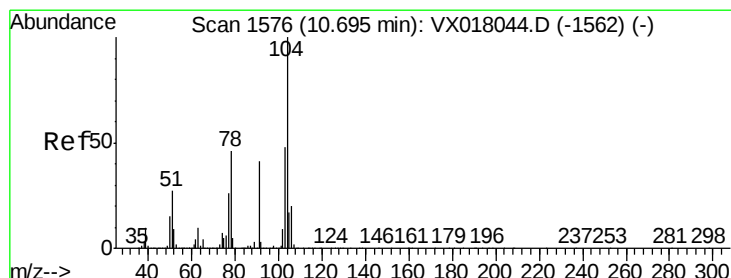
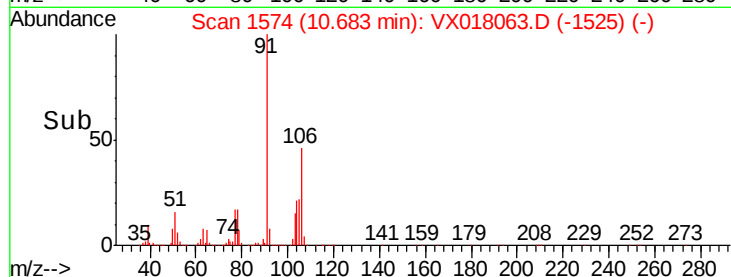
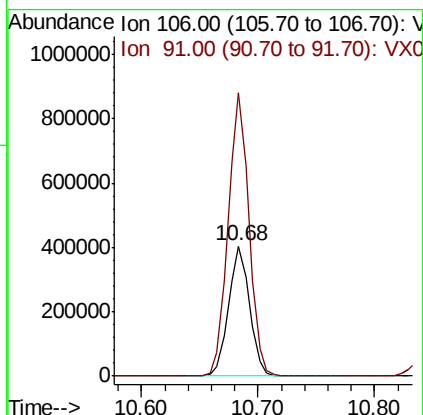
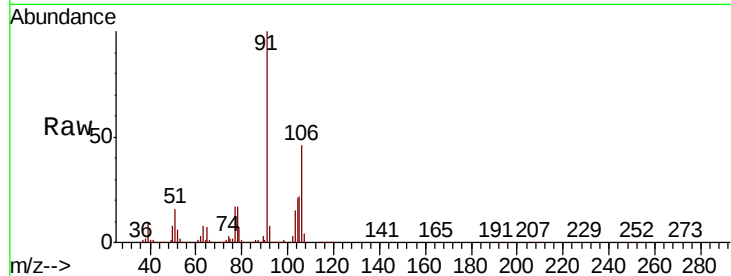




#69  
o-Xylene  
Concen: 51.911 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

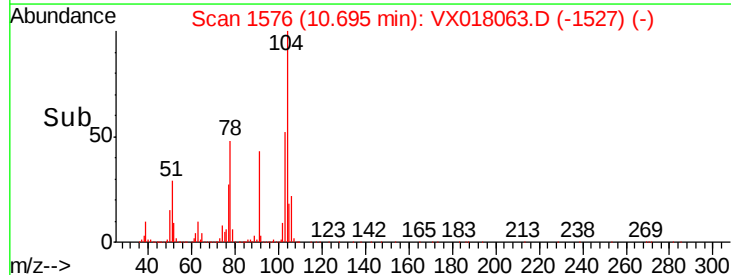
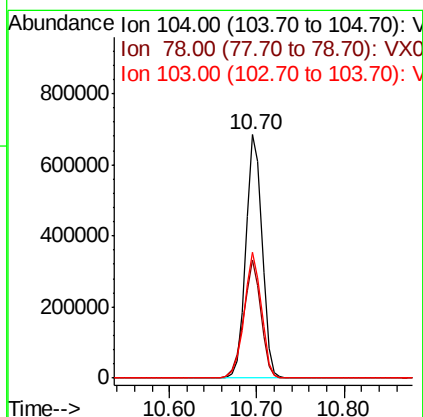
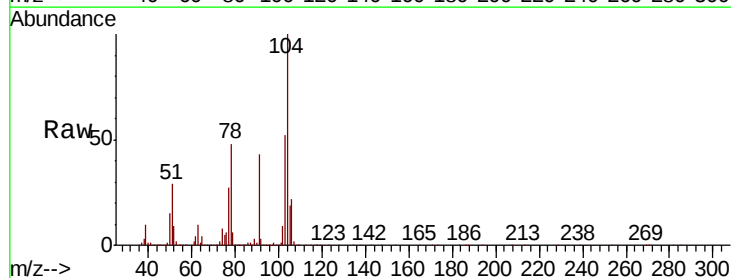
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

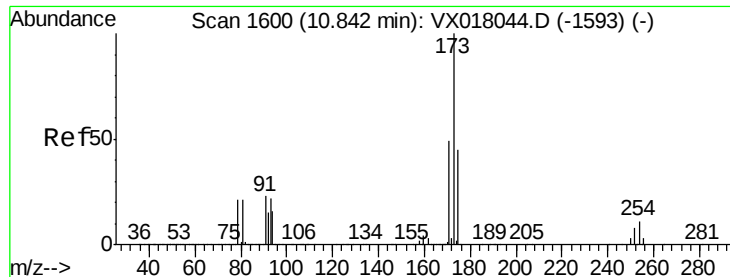
Tot Ion:106 Resp: 504298  
Ion Ratio Lower Upper  
106 100  
91 216.3 107.1 321.3



#70  
Styrene  
Concen: 53.310 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion:104 Resp: 881955  
Ion Ratio Lower Upper  
104 100  
78 51.8 40.9 61.3  
103 55.0 43.6 65.4

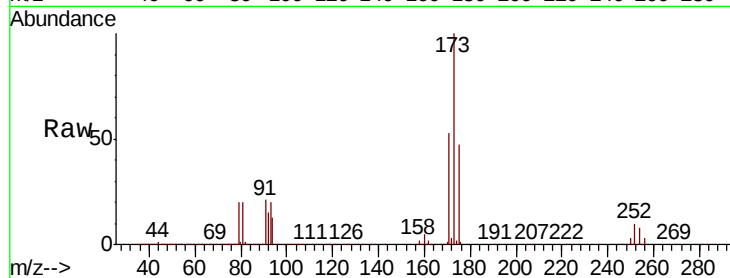




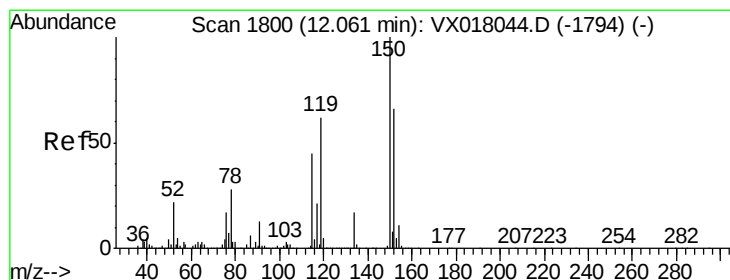
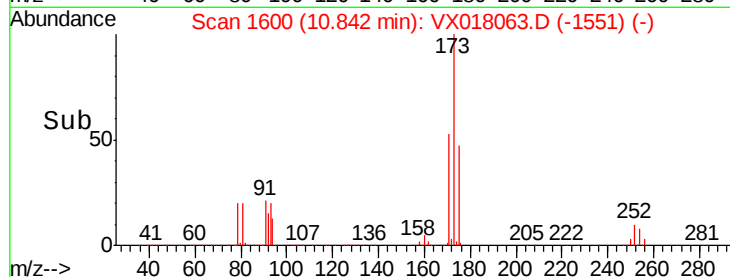
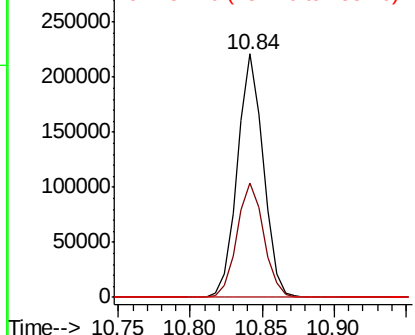
#71  
Bromoform  
Concen: 52.255 ug/l  
RT: 10.84 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:173 Resp: 277349  
Ion Ratio Lower Upper  
173 100  
175 48.5 23.9 71.8  
254 0.2 0.2 0.2

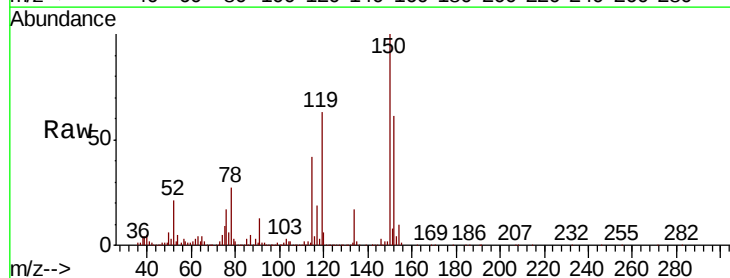


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

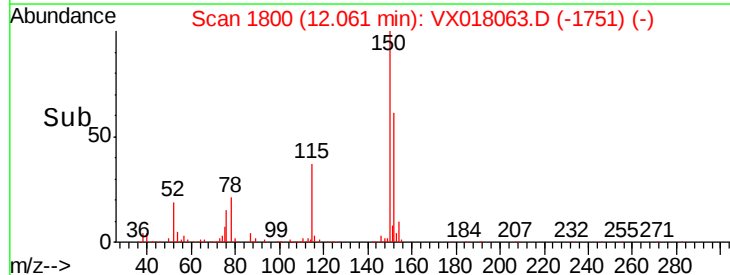
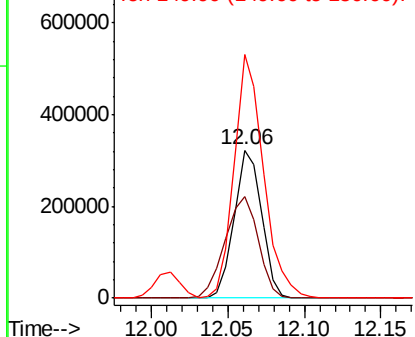


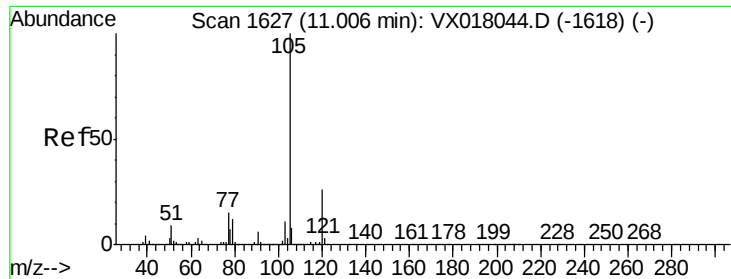
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion:152 Resp: 400520  
Ion Ratio Lower Upper  
152 100  
115 82.9 41.5 124.5  
150 176.4 0.0 343.8



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: 53.846 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

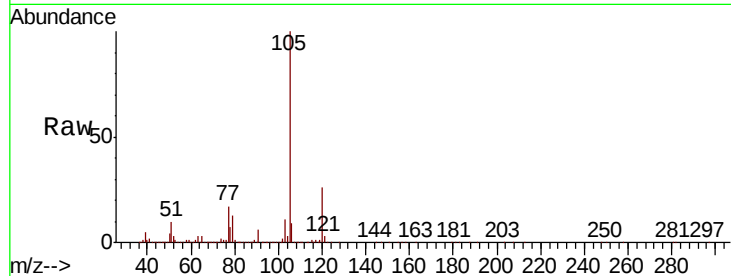
VSTDCCC050EC

Tot Ion:105 Resp: 1422541

Ion Ratio Lower Upper

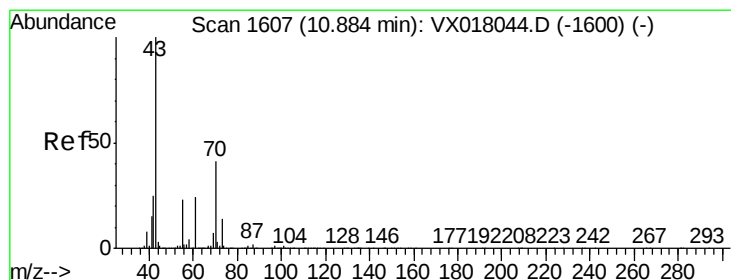
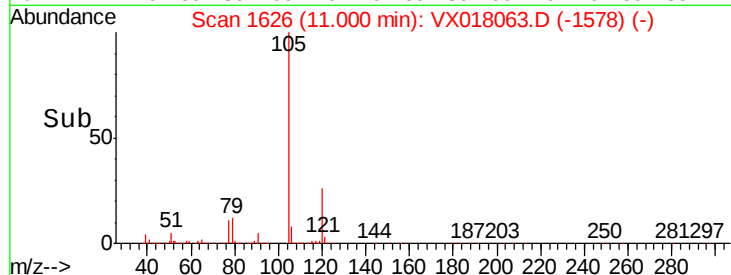
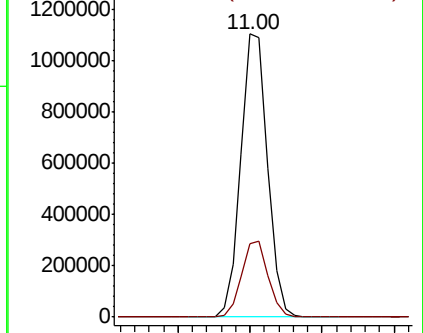
105 100

120 26.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.934 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.01 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Tgt Ion: 43 Resp: 613382

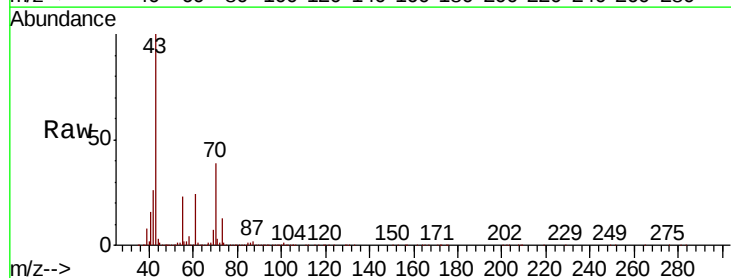
Ion Ratio Lower Upper

43 100

70 41.6 32.3 48.5

55 23.9 18.2 27.2

61 24.6 18.9 28.3

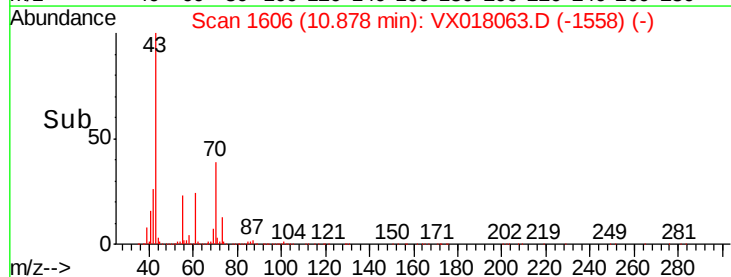
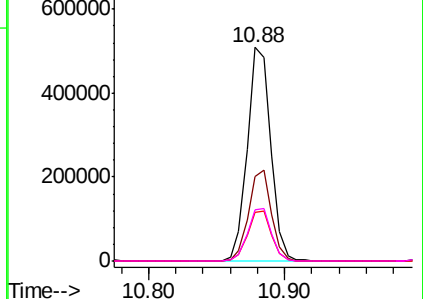


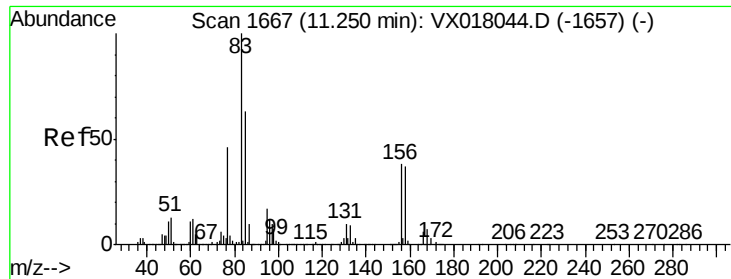
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.661 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

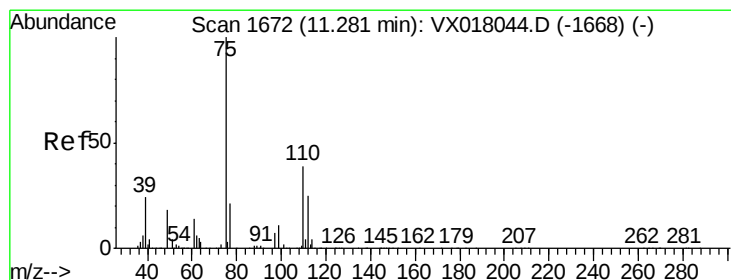
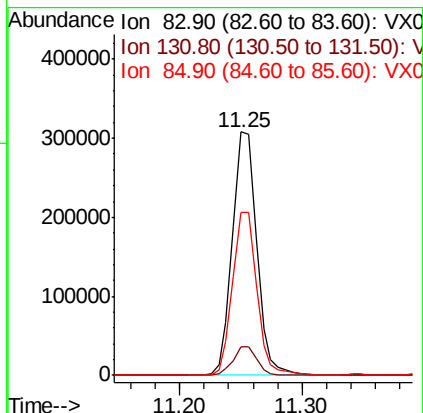
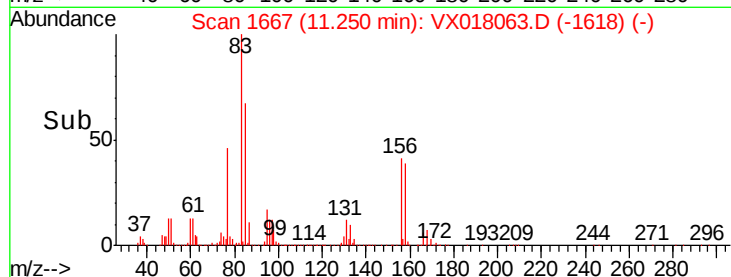
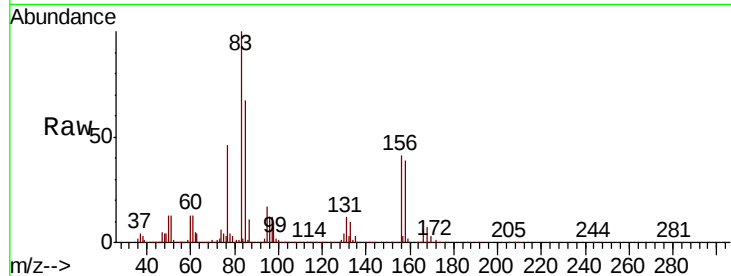
Tot Ion: 83 Resp: 425543

Ion Ratio Lower Upper

83 100

131 11.4 5.1 15.4

85 66.6 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 63.412 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX018063.D

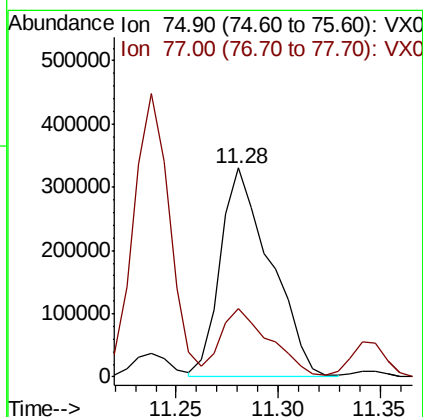
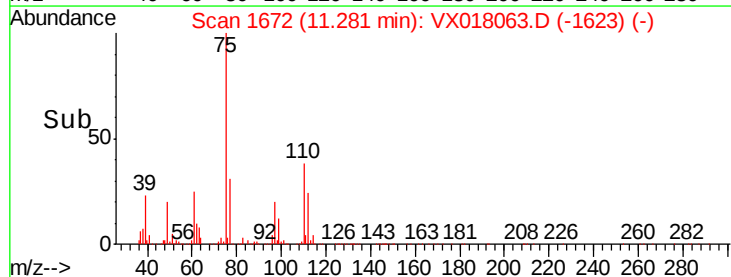
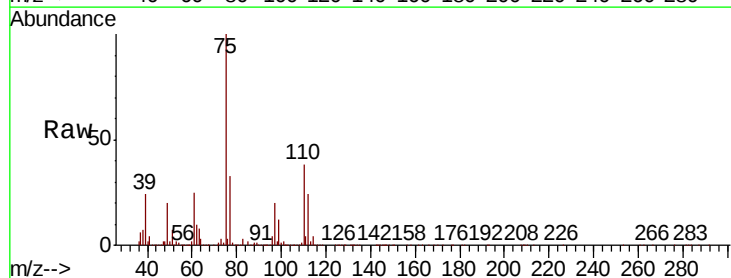
Acq: 21 Aug 2020 16:54

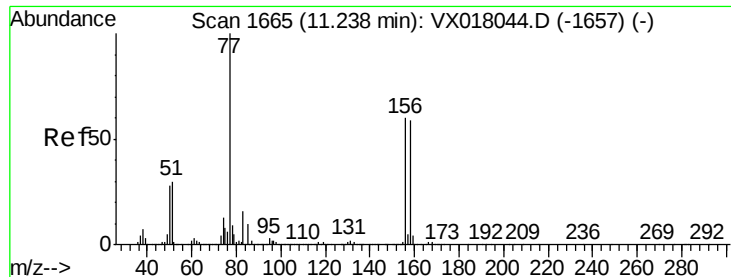
Tgt Ion: 75 Resp: 564987

Ion Ratio Lower Upper

75 100

77 32.0 20.8 62.2





#77

Bromobenzene

Concen: 48.612 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

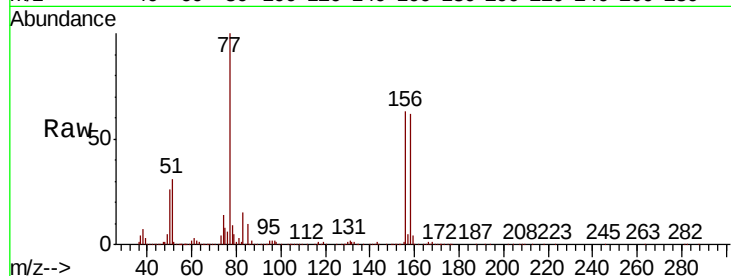
Tot Ion:156 Resp: 354997

Ion Ratio Lower Upper

156 100

77 155.2 80.0 240.2

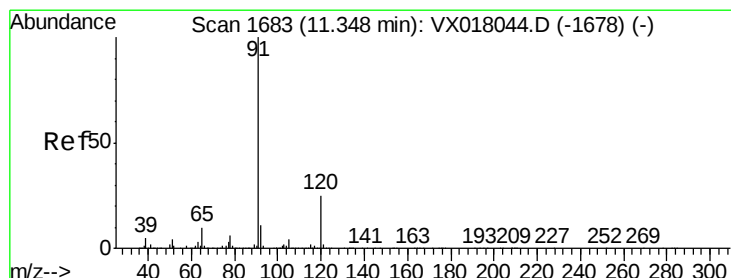
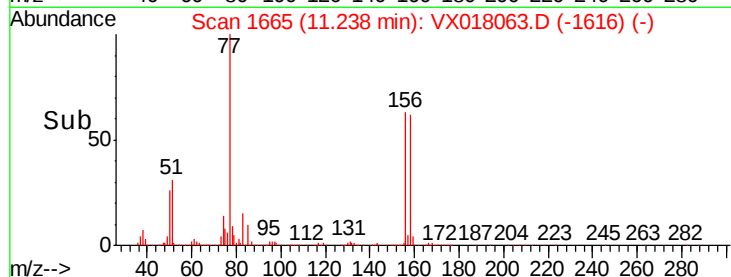
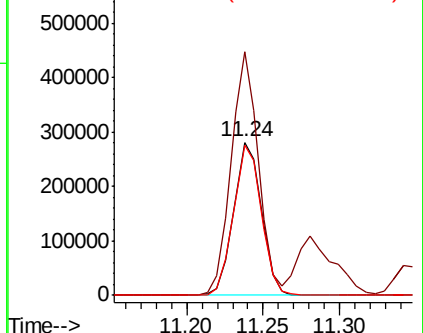
158 98.4 49.5 148.7



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: 53.909 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX018063.D

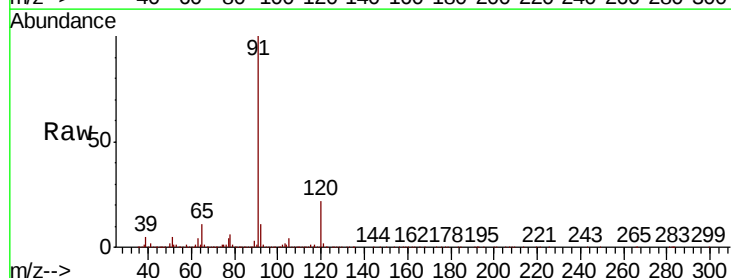
Acq: 21 Aug 2020 16:54

Tgt Ion: 91 Resp: 1617137

Ion Ratio Lower Upper

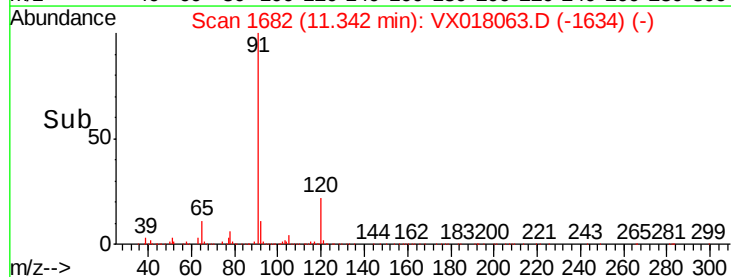
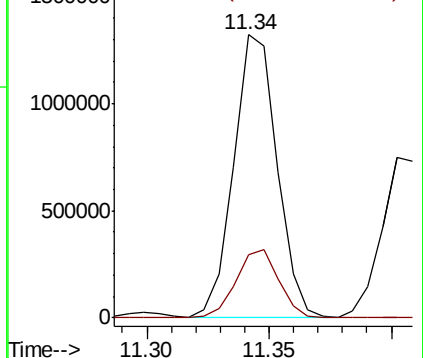
91 100

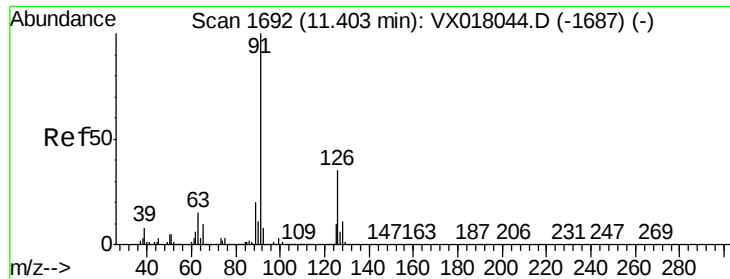
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.800 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

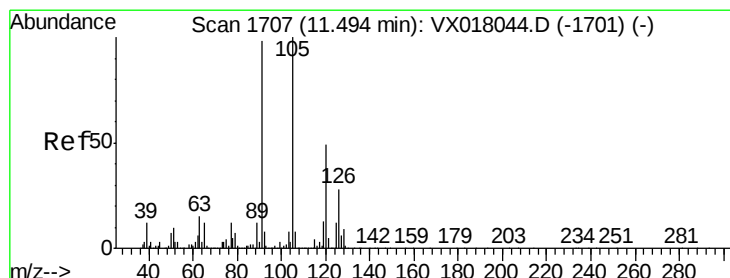
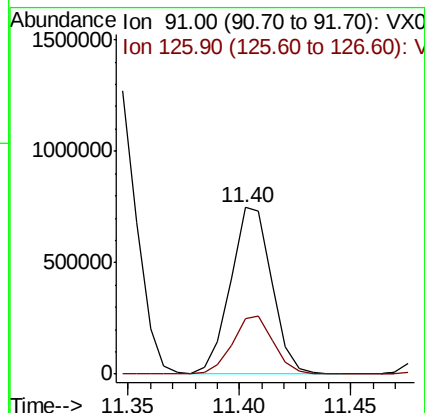
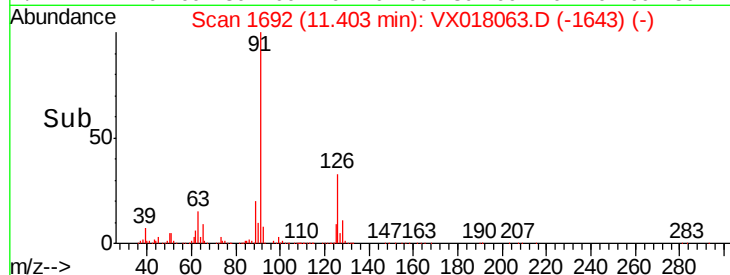
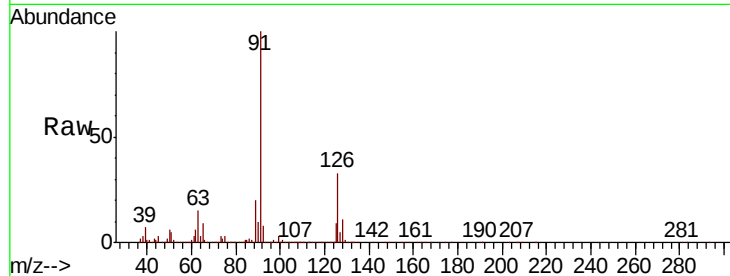
VSTDCCC050EC

Tot Ion: 91 Resp: 960008

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 54.019 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018063.D

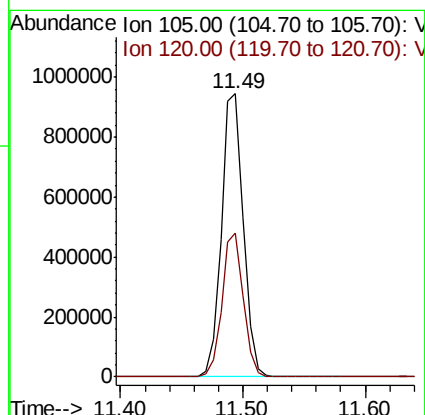
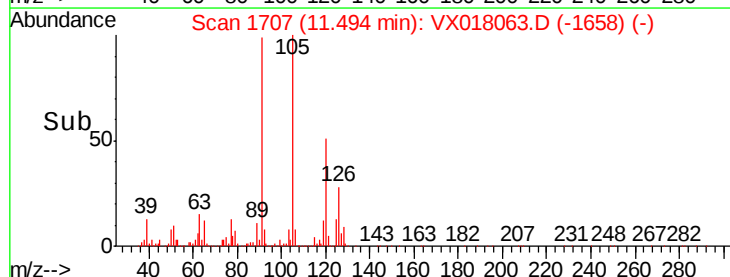
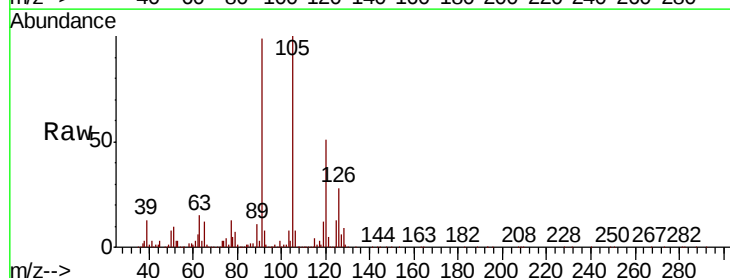
Acq: 21 Aug 2020 16:54

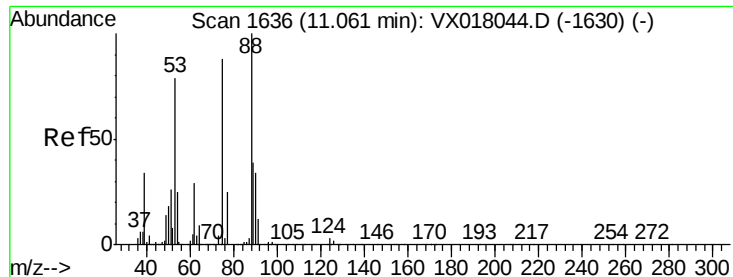
Tgt Ion:105 Resp: 1172739

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.364 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

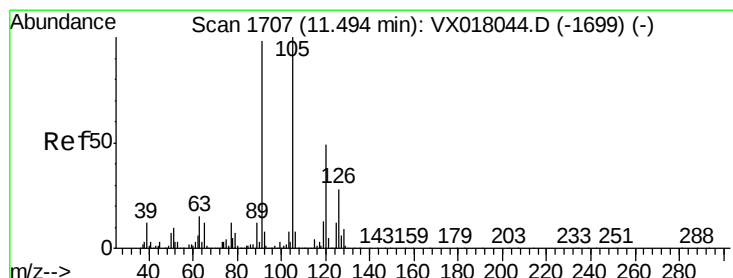
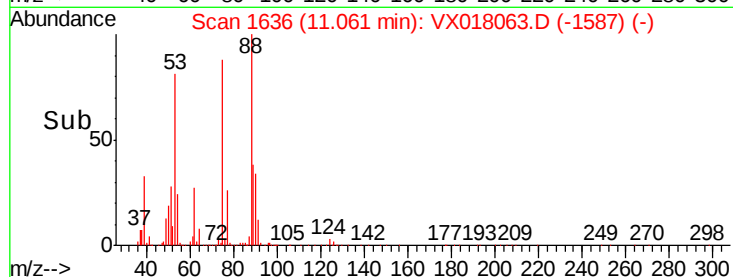
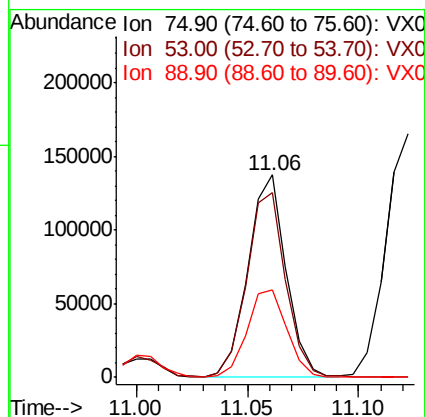
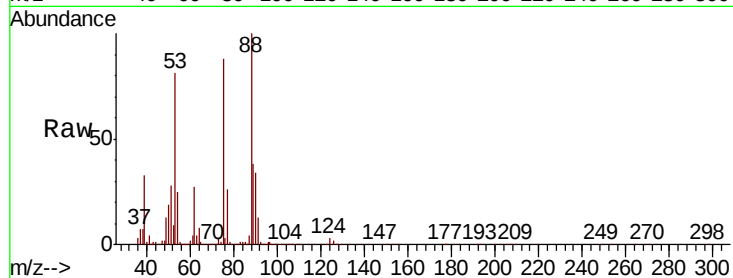
Tot Ion: 75 Resp: 162845

Ion Ratio Lower Upper

75 100

53 94.4 74.7 112.1

89 45.9 36.6 54.8



#82

4-Chlorotoluene

Concen: 51.028 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018063.D

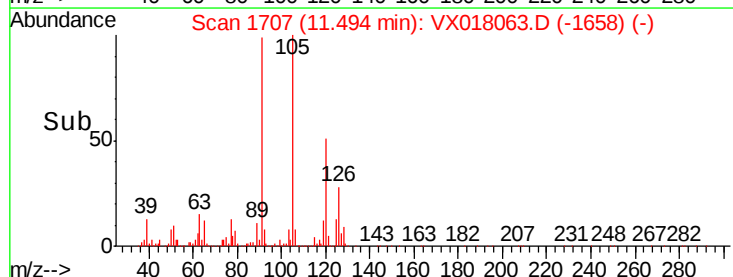
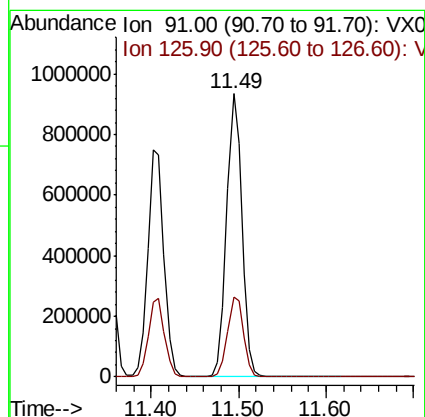
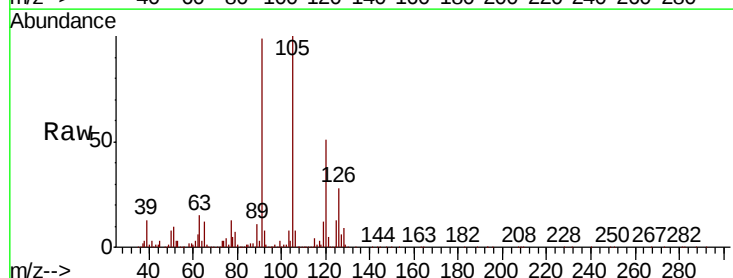
Acq: 21 Aug 2020 16:54

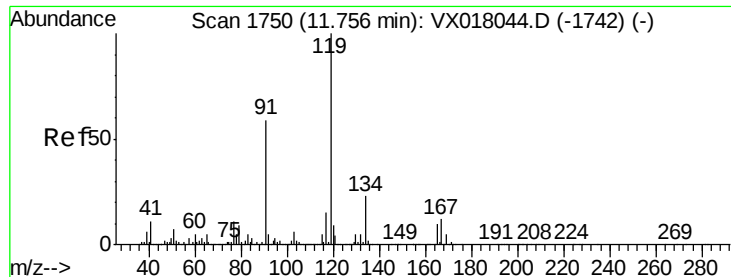
Tgt Ion: 91 Resp: 1124250

Ion Ratio Lower Upper

91 100

126 29.4 15.1 45.3





#83

tert-Butylbenzene

Concen: 55.359 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

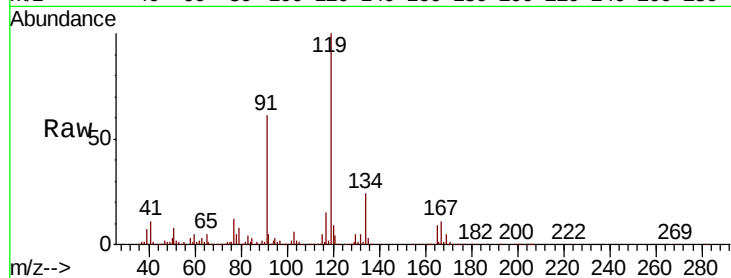
Tot Ion:119 Resp: 1186036

Ion Ratio Lower Upper

119 100

91 58.4 28.2 84.7

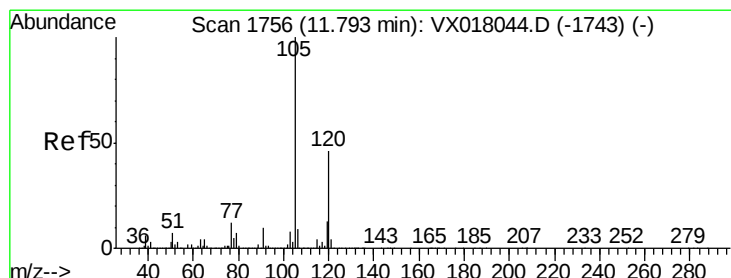
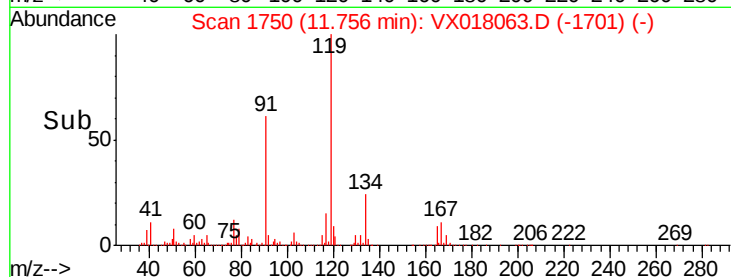
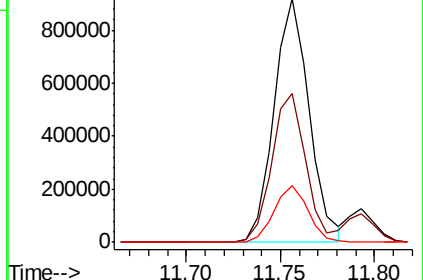
134 22.7 11.3 33.8



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: 54.708 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX018063.D

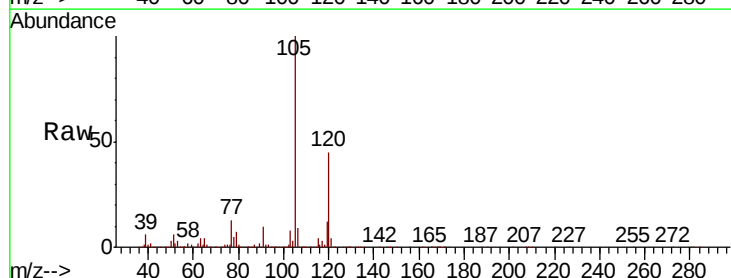
Acq: 21 Aug 2020 16:54

Tgt Ion:105 Resp: 1214275

Ion Ratio Lower Upper

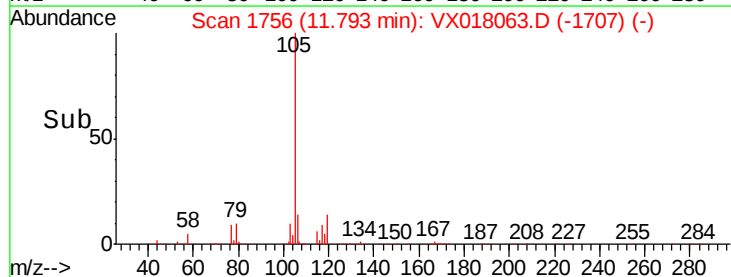
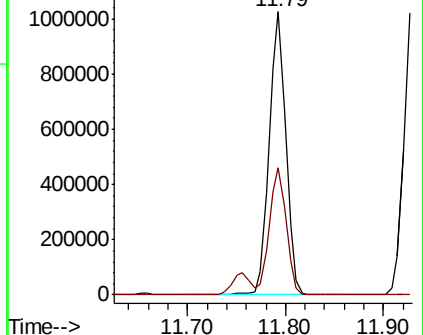
105 100

120 45.5 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.012 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

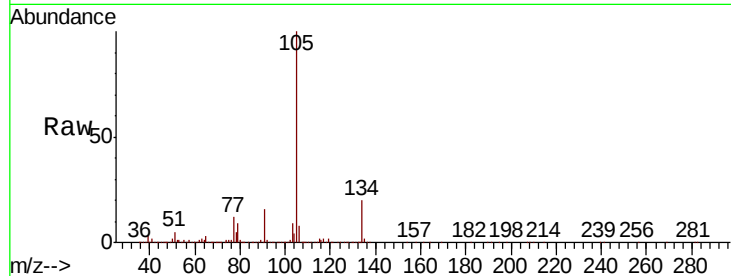
VSTDCCC050EC

Tot Ion:105 Resp: 1364672

Ion Ratio Lower Upper

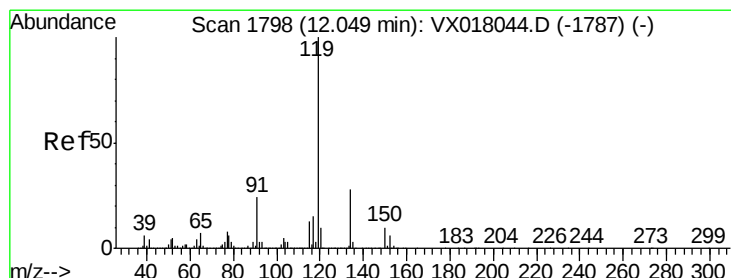
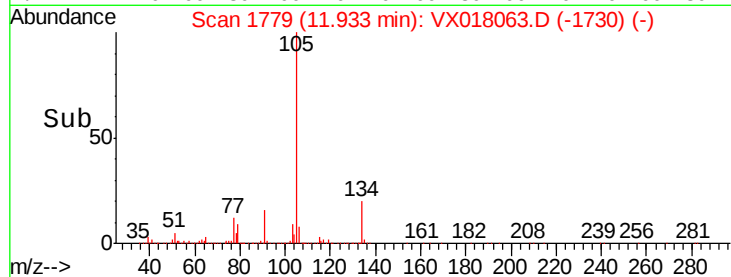
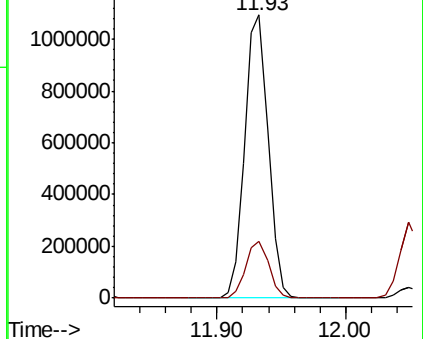
105 100

134 20.0 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.164 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

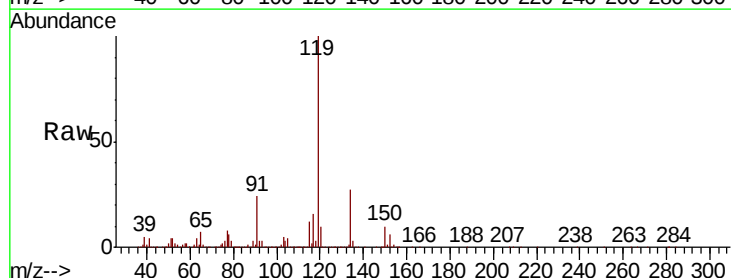
Tgt Ion:119 Resp: 1256950

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

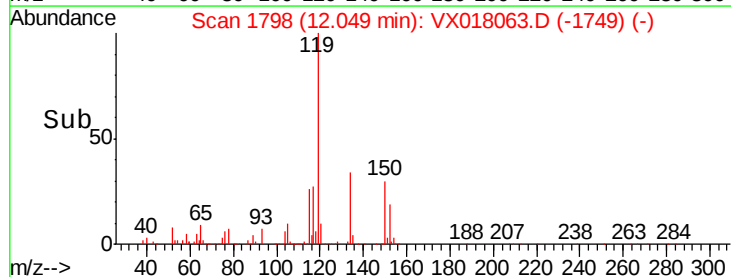
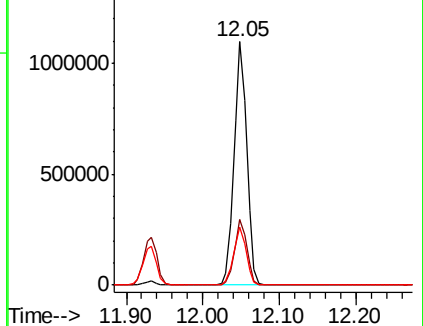
91 23.7 11.8 35.4

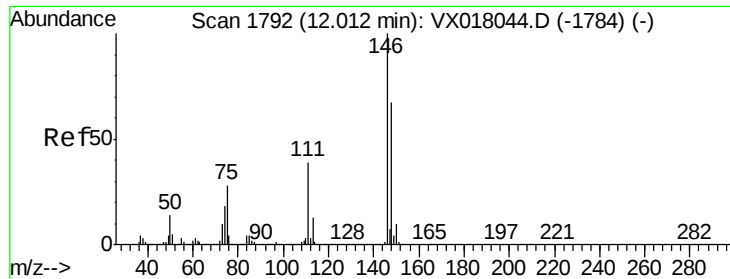


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 50.858 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

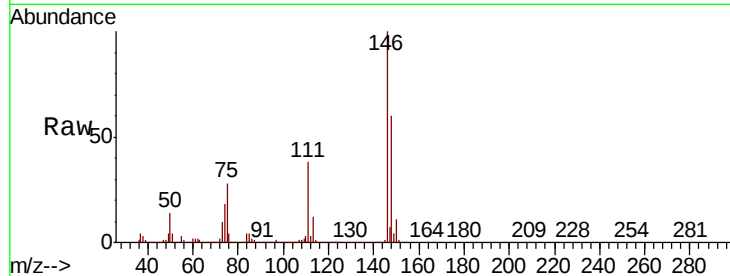
Tot Ion:146 Resp: 652069

Ion Ratio Lower Upper

146 100

111 40.1 20.6 61.8

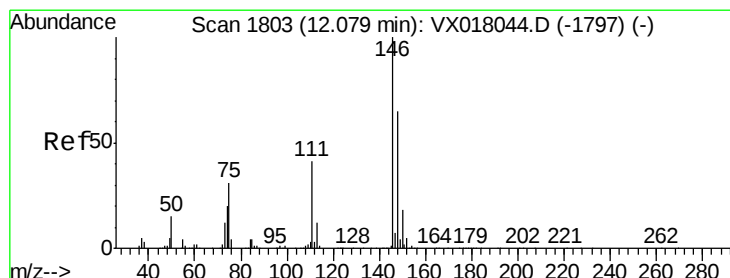
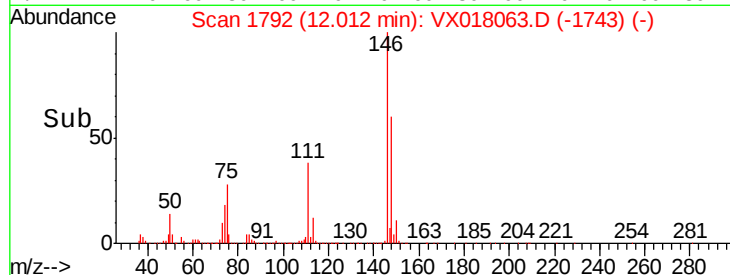
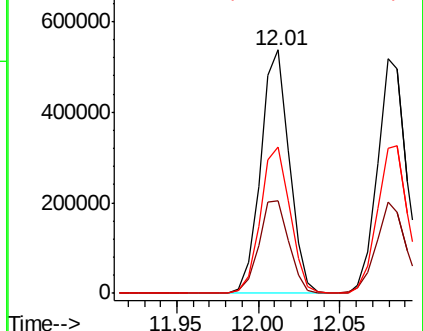
148 62.3 33.1 99.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.884 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

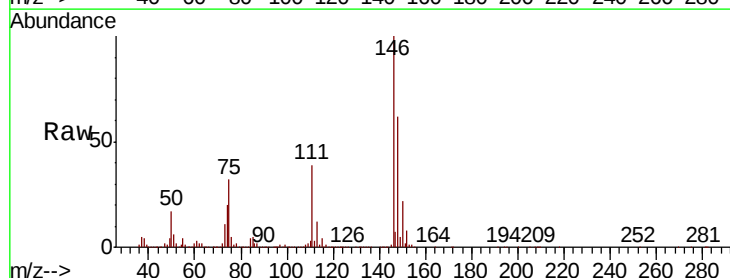
Tgt Ion:146 Resp: 640394

Ion Ratio Lower Upper

146 100

111 39.3 20.3 60.8

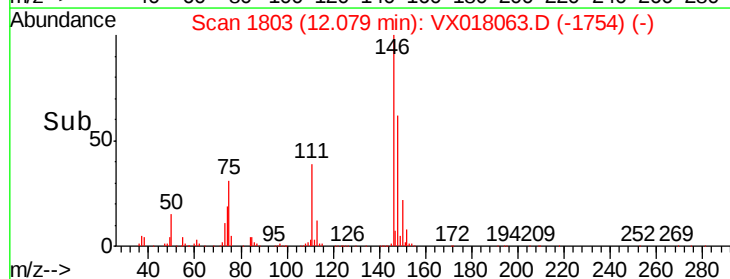
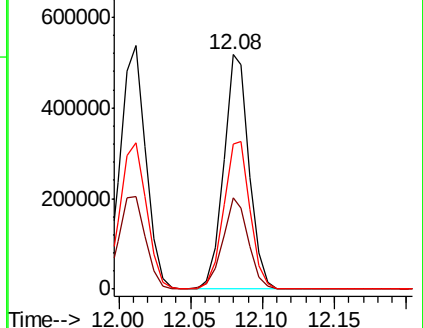
148 65.7 33.1 99.2

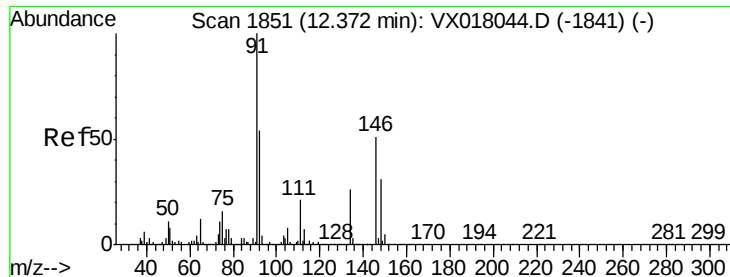


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

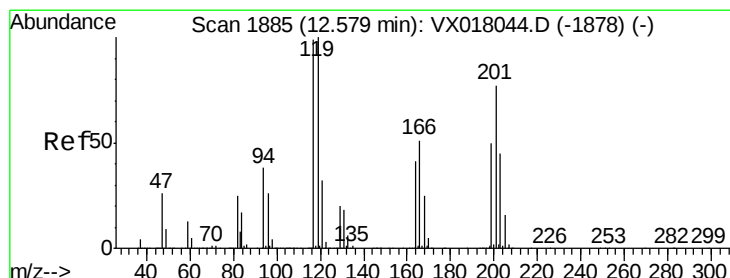
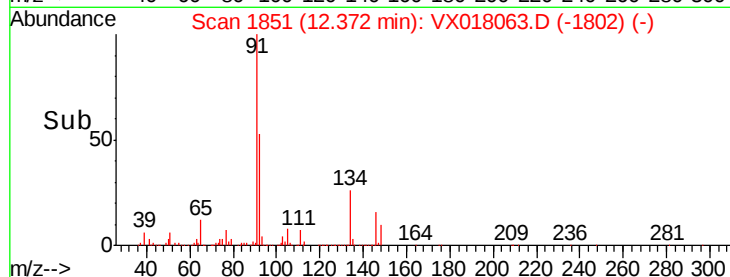
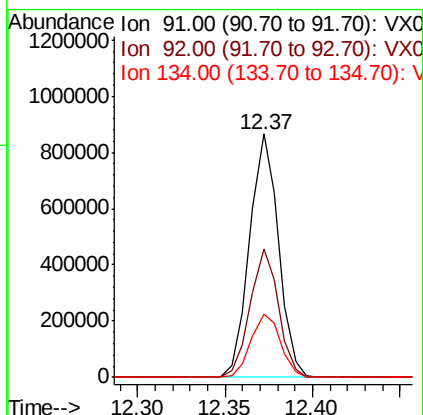
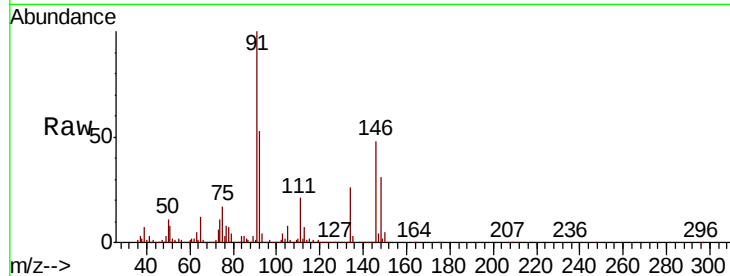




#89  
n-Butylbenzene  
Concen: 48.631 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

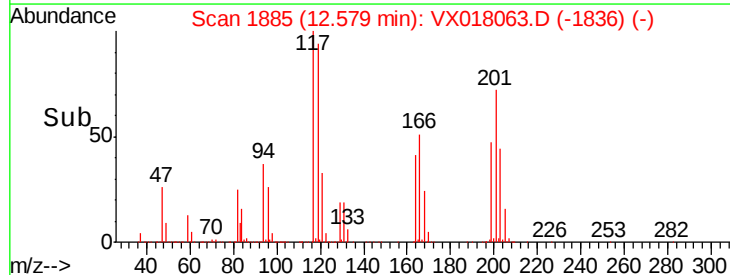
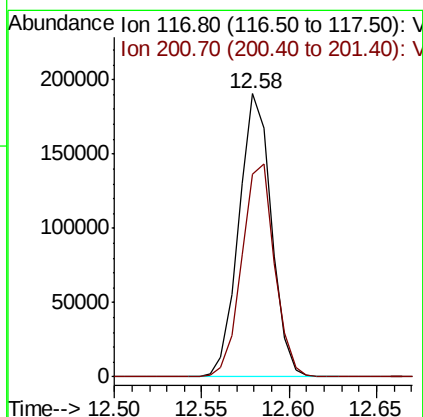
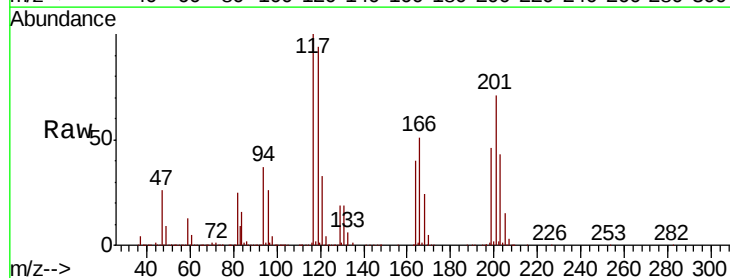
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

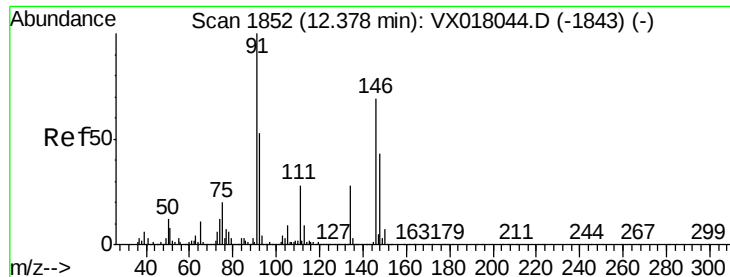
Tot Ion: 91 Resp: 993370  
Ion Ratio Lower Upper  
91 100  
92 51.8 26.4 79.2  
134 26.7 12.9 38.7



#90  
Hexachloroethane  
Concen: 55.777 ug/l  
RT: 12.58 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion: 117 Resp: 245595  
Ion Ratio Lower Upper  
117 100  
201 76.0 38.5 115.3





#91

1,2-Dichlorobenzene

Concen: 48.467 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

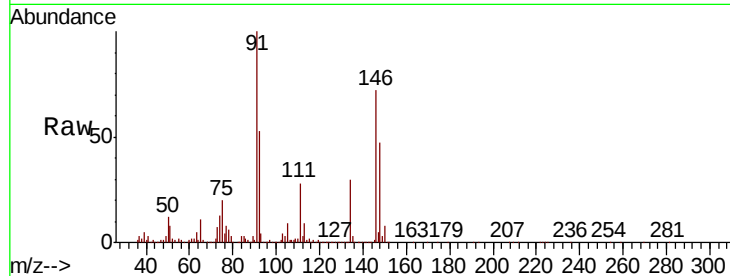
Tot Ion:146 Resp: 584956

Ion Ratio Lower Upper

146 100

111 40.5 20.8 62.5

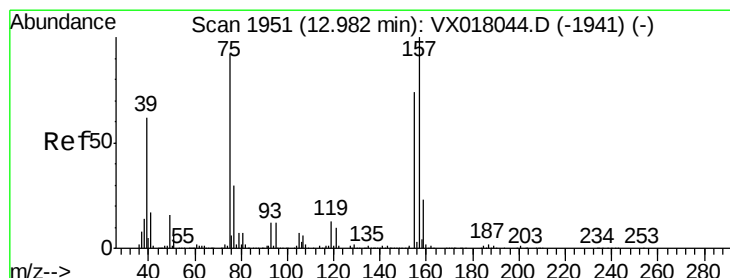
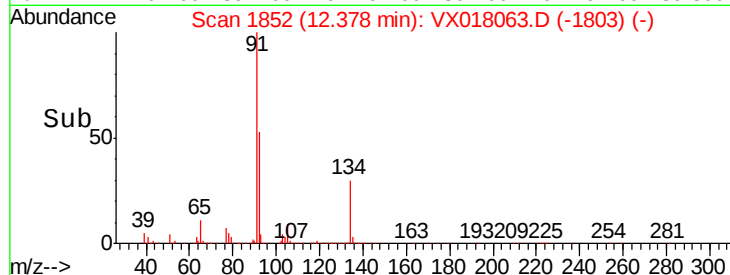
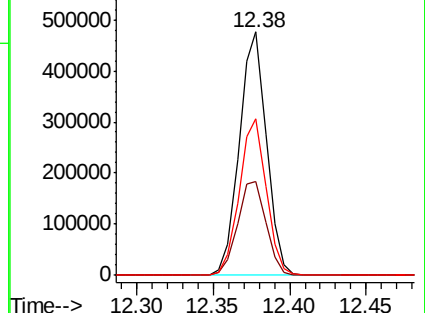
148 63.7 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.209 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX018063.D

Acq: 21 Aug 2020 16:54

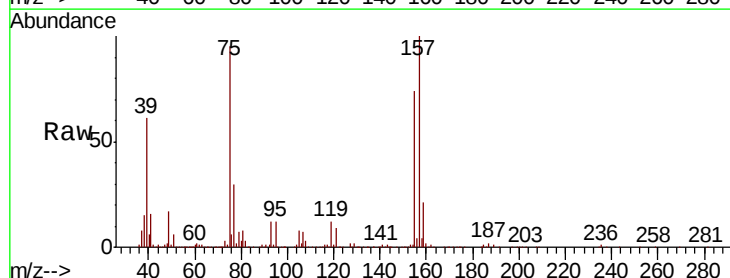
Tgt Ion: 75 Resp: 116999

Ion Ratio Lower Upper

75 100

155 84.2 40.2 120.6

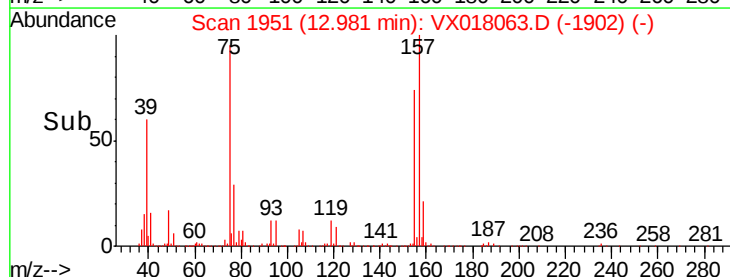
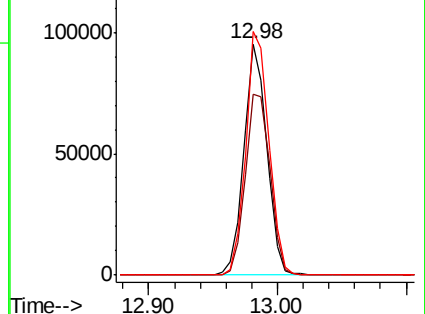
157 105.7 55.0 165.2

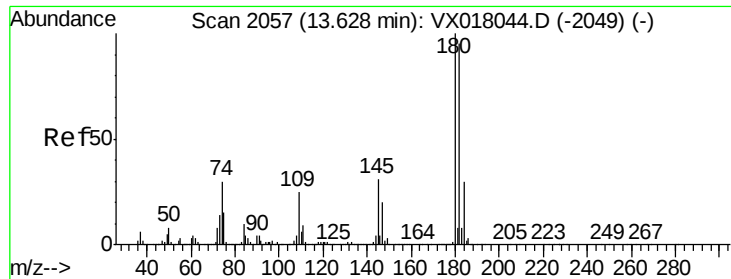


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

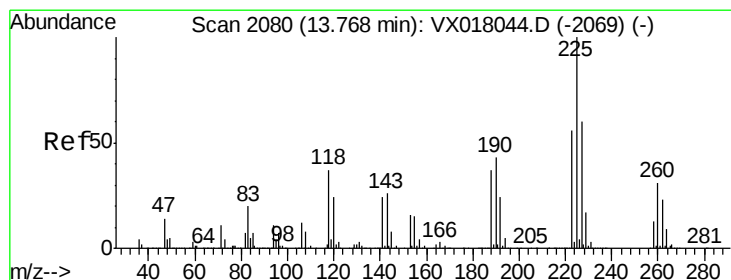
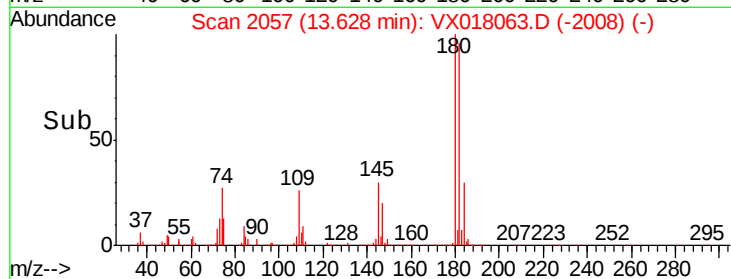
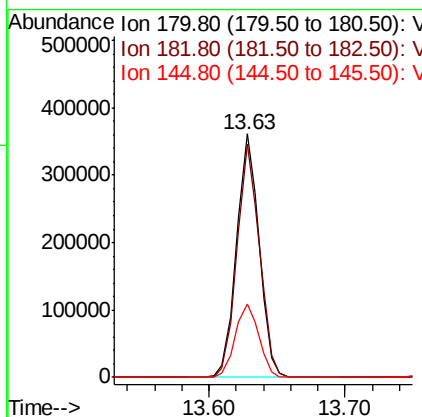
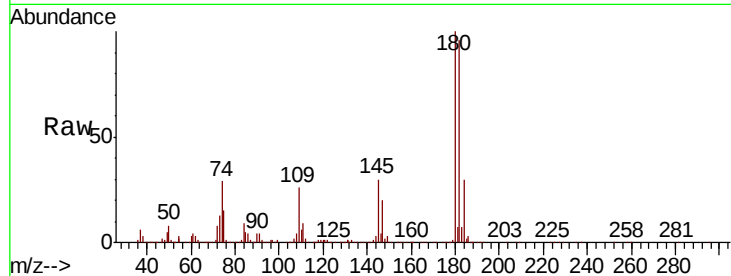




#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.575 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. -0.00 min  
 Lab File: VX018063.D  
 Acq: 21 Aug 2020 16:54

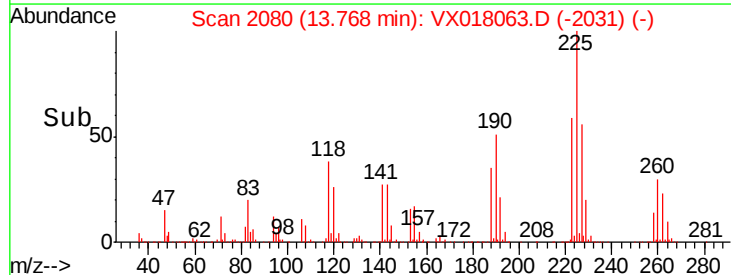
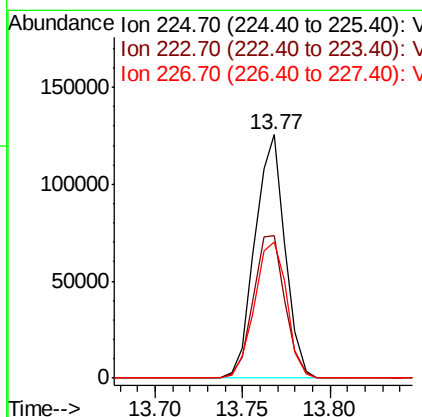
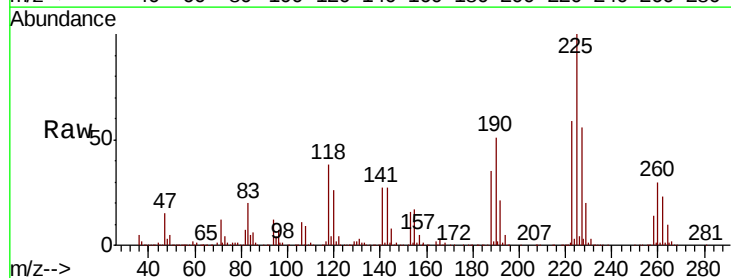
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

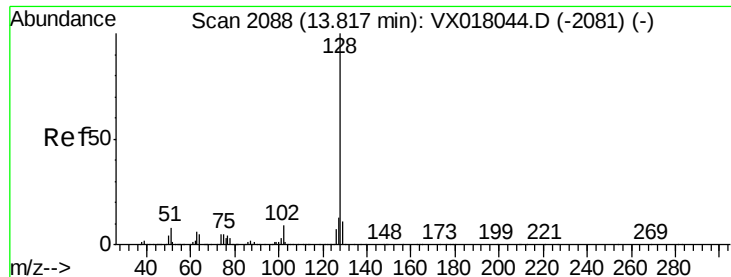
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 47.5  | 142.6 |
| 145     | 31.8  | 15.7  | 47.1  |



#94  
 Hexachlorobutadiene  
 Concen: 47.497 ug/l  
 RT: 13.77 min Scan# 2080  
 Delta R.T. -0.00 min  
 Lab File: VX018063.D  
 Acq: 21 Aug 2020 16:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.3  | 30.7  | 92.1  |
| 227     | 60.1  | 32.6  | 97.8  |

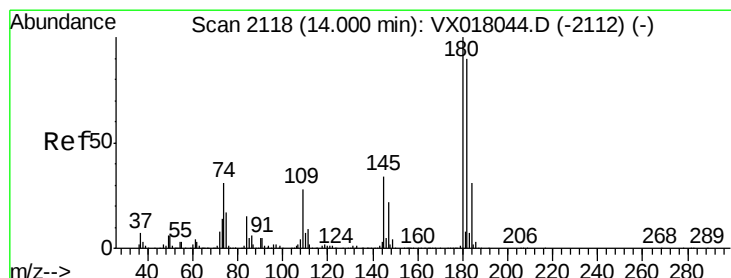
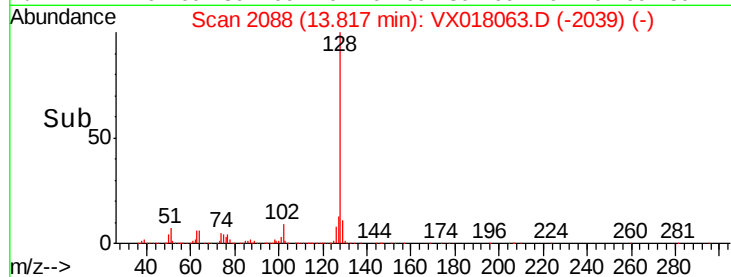
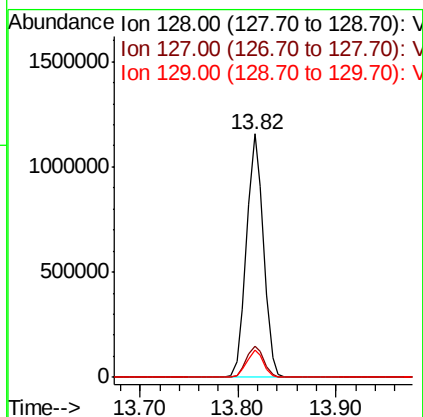
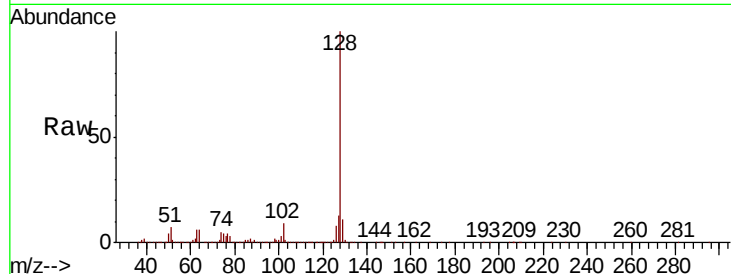




#95  
Naphthalene  
Concen: 52.553 ug/l  
RT: 13.82 min Scan# 2088  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:128 Resp: 1391935  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.2 15.2  
129 11.1 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 50.408 ug/l  
RT: 14.00 min Scan# 2118  
Delta R.T. -0.00 min  
Lab File: VX018063.D  
Acq: 21 Aug 2020 16:54

Tgt Ion:180 Resp: 400860  
Ion Ratio Lower Upper  
180 100  
182 96.5 47.3 142.0  
145 34.4 17.5 52.6

