

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011719\  
 Data File : VX007078.D  
 Acq On : 17 Jan 2019 10:14  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BFB

Quant Time: Jan 18 04:45:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 08 14:06:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 520779   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 752367   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 701450   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 374502   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 254332   | 46.73 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.46%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 230543   | 47.85 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.70%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 866591   | 49.14 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.28%  |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 320725   | 52.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.34% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85   | 217895   | 50.950  | ug/l  | 98     |
| 3) Chloromethane              | 1.33 | 50   | 233848   | 46.971  | ug/l  | 100    |
| 4) Vinyl Chloride             | 1.41 | 62   | 248553   | 46.411  | ug/l  | 98     |
| 5) Bromomethane               | 1.64 | 94   | 250247   | 43.736  | ug/l  | 97     |
| 6) Chloroethane               | 1.71 | 64   | 163965   | 43.848  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 1.93 | 101  | 403875   | 46.674  | ug/l  | 100    |
| 8) Diethyl Ether              | 2.19 | 74   | 155004   | 45.026  | ug/l  | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101  | 246144   | 47.513  | ug/l  | 99     |
| 10) Methyl Iodide             | 2.51 | 142  | 363436   | 52.008  | ug/l  | 100    |
| 11) Tert butyl alcohol        | 3.07 | 59   | 291240   | 226.845 | ug/l  | 98     |
| 12) 1,1-Dichloroethene        | 2.37 | 96   | 221376   | 46.251  | ug/l  | 98     |
| 13) Acrolein                  | 2.29 | 56   | 124999   | 226.046 | ug/l  | 98     |
| 14) Allyl chloride            | 2.73 | 41   | 383372   | 46.736  | ug/l  | 99     |
| 15) Acrylonitrile             | 3.15 | 53   | 698486   | 236.992 | ug/l  | 100    |
| 16) Acetone                   | 2.45 | 43   | 643645   | 239.216 | ug/l  | 99     |
| 17) Carbon Disulfide          | 2.57 | 76   | 517843   | 42.023  | ug/l  | 100    |
| 18) Methyl Acetate            | 2.78 | 43   | 371433   | 47.669  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73   | 782524   | 47.104  | ug/l  | 99     |
| 20) Methylene Chloride        | 2.85 | 84   | 253237   | 49.477  | ug/l  | 96     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96   | 240112   | 45.016  | ug/l  | 99     |
| 22) Diisopropyl ether         | 3.87 | 45   | 733444   | 47.560  | ug/l  | 97     |
| 23) Vinyl Acetate             | 3.82 | 43   | 3133725  | 240.960 | ug/l  | 97     |
| 24) 1,1-Dichloroethane        | 3.70 | 63   | 428477   | 49.689  | ug/l  | 98     |
| 25) 2-Butanone                | 4.70 | 43   | 929812   | 241.515 | ug/l  | 98     |
| 26) 2,2-Dichloropropane       | 4.58 | 77   | 315391   | 47.564  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96   | 268310   | 45.605  | ug/l  | 97     |
| 28) Bromochloromethane        | 5.02 | 49   | 179626   | 47.545  | ug/l  | 95     |
| 29) Tetrahydrofuran           | 5.15 | 42   | 584292   | 233.533 | ug/l  | 98     |
| 30) Chloroform                | 5.21 | 83   | 433471   | 48.012  | ug/l  | 98     |
| 31) Cyclohexane               | 5.57 | 56   | 355488   | 46.318  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97   | 367905   | 48.076  | ug/l  | 98     |
| 36) 1,1-Dichloropropene       | 5.80 | 75   | 317586   | 48.552  | ug/l  | 99     |
| 37) Ethyl Acetate             | 4.85 | 43   | 342864   | 48.891  | ug/l  | 98     |
| 38) Carbon Tetrachloride      | 5.78 | 117  | 325000   | 49.383  | ug/l  | 95     |

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Instrument :  
 MSVOA\_X  
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 BFB

Quant Time: Jan 18 04:45:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 08 14:06:59 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 404435   | 48.499  | ug/l   | 98       |
| 40) Benzene                    | 6.14  | 78   | 957358   | 47.966  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.06  | 41   | 192765   | 47.715  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 328092   | 47.569  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 548130   | 49.552  | ug/l   | 98       |
| 44) Trichloroethene            | 7.21  | 130  | 284609   | 47.586  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 246329   | 49.091  | ug/l   | 98       |
| 46) Dibromomethane             | 7.66  | 93   | 173176   | 49.107  | ug/l   | 97       |
| 47) Bromodichloromethane       | 7.90  | 83   | 310688   | 51.758  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.77  | 41   | 282317   | 49.698  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 127927   | 986.000 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1821817  | 256.272 | ug/l   | 99       |
| 52) Toluene                    | 8.78  | 92   | 629832   | 49.096  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 348688   | 52.386  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 377525   | 51.359  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 264492   | 51.510  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 384055   | 51.234  | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 417801   | 49.666  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 1005827  | 260.972 | ug/l   | 98       |
| 59) 2-Hexanone                 | 9.49  | 43   | 1390165  | 256.611 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.58  | 129  | 275704   | 55.296  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 282307   | 49.941  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 297872   | 49.049  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.13 | 112  | 743458   | 48.595  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 267688   | 52.013  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 1241331  | 49.148  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.36 | 106  | 986445   | 99.132  | ug/l   | 100      |
| 69) o-Xylene                   | 10.69 | 106  | 475929   | 49.042  | ug/l   | 97       |
| 70) Styrene                    | 10.71 | 104  | 769831   | 50.087  | ug/l   | 98       |
| 71) Bromoform                  | 10.86 | 173  | 207789   | 45.588  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 1281098  | 48.512  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 502811   | 47.291  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 387219   | 46.188  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 446782   | 58.871  | ug/l   | 89       |
| 77) Bromobenzene               | 11.26 | 156  | 345332   | 47.460  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 1451580  | 50.072  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 841993   | 48.250  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 1063316  | 48.189  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 109703   | 44.106  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 984417   | 48.721  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 1050740  | 47.727  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 1094852  | 49.342  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 1313802  | 49.969  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 1179087  | 50.136  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 627762   | 47.732  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 626947   | 50.312  | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.38 | 91   | 1023849  | 51.070  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 180205   | 48.114  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 608251   | 46.865  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 81644    | 49.241  | ug/l   | 99       |

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

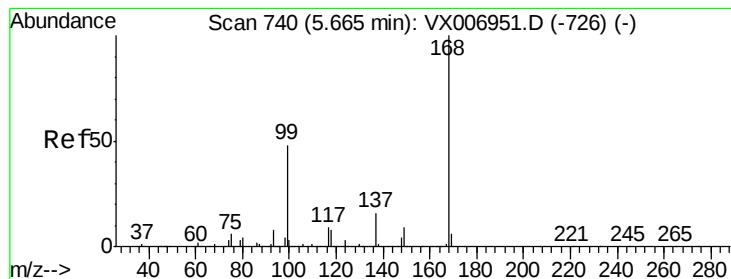
Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

Quant Time: Jan 18 04:45:58 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 08 14:06:59 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 438927   | 49.293 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 201814   | 51.073 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 1313269  | 48.671 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 433921   | 49.055 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

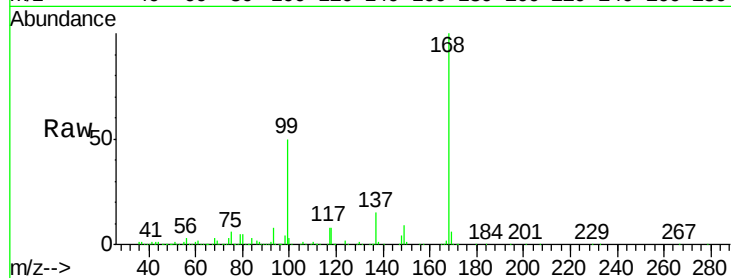
BFB

Tot Ion:168 Resp: 520779

Ion Ratio Lower Upper

168 100

99 49.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

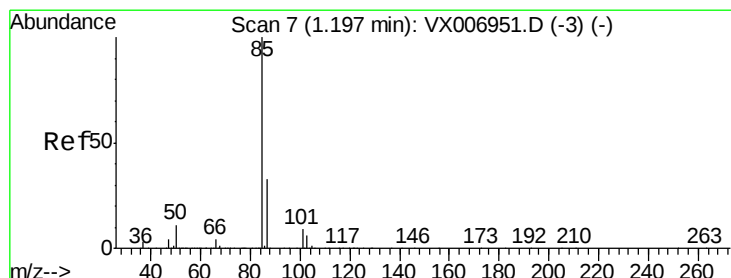
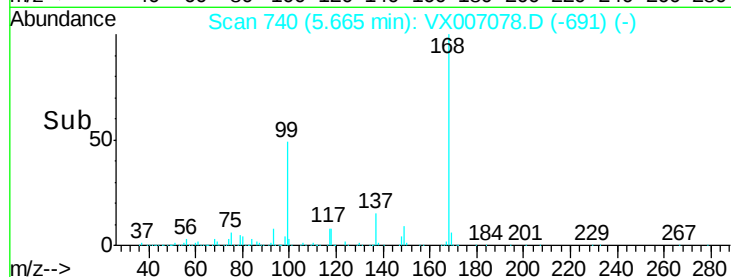
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.950 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007078.D

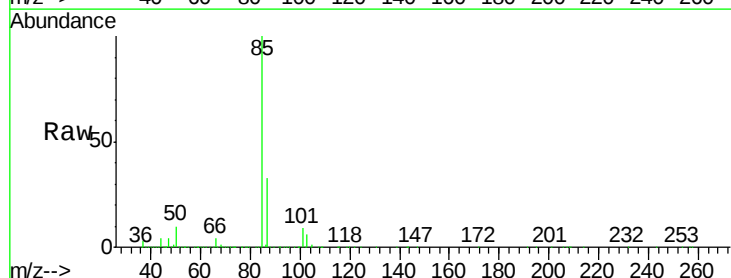
Acq: 17 Jan 2019 10:14

Tgt Ion: 85 Resp: 217895

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

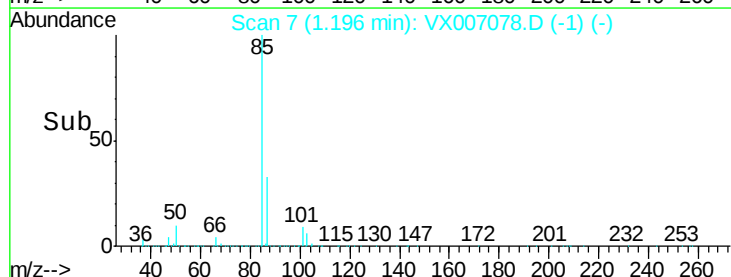
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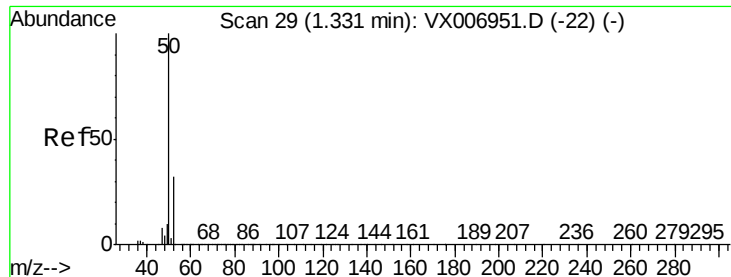
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.971 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

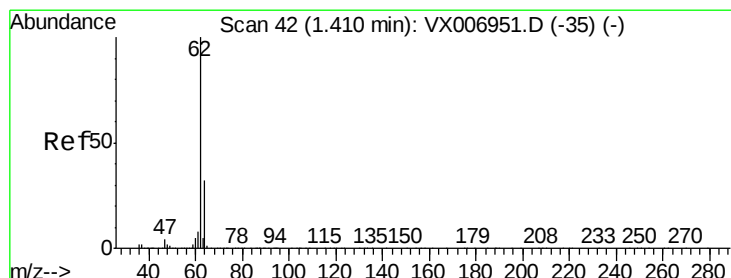
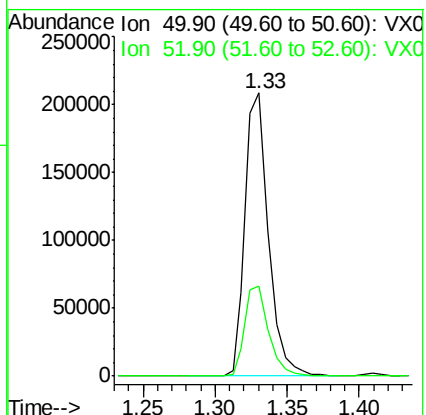
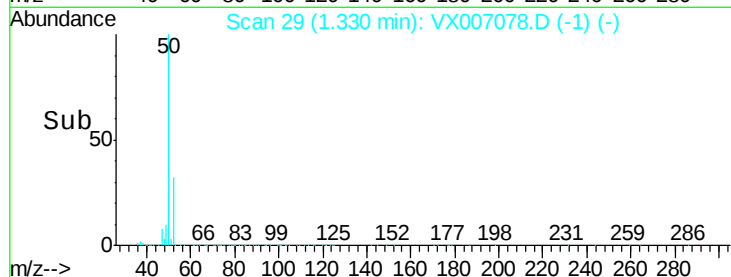
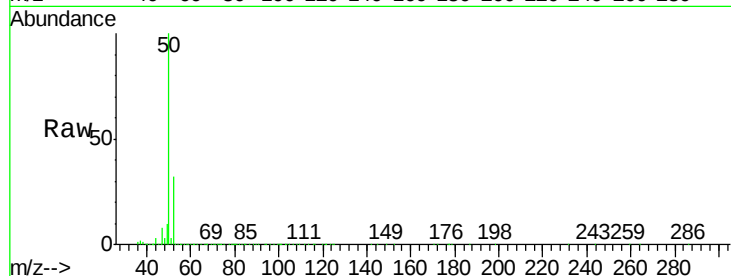
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Tot Ion: 50 Resp: 233848

Ion Ratio Lower Upper

50 100

52 31.7 25.4 38.2



#4

Vinyl Chloride

Concen: 46.411 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007078.D

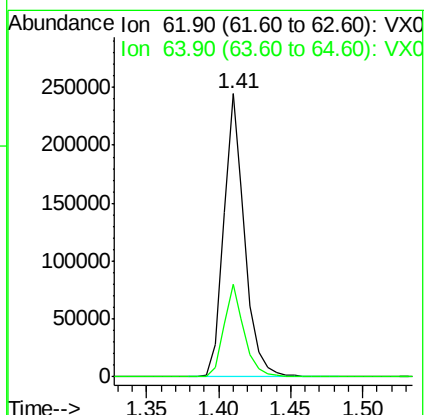
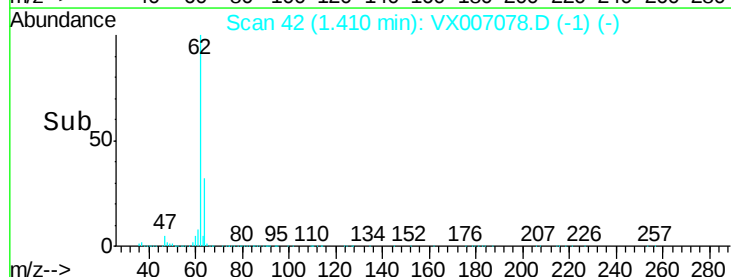
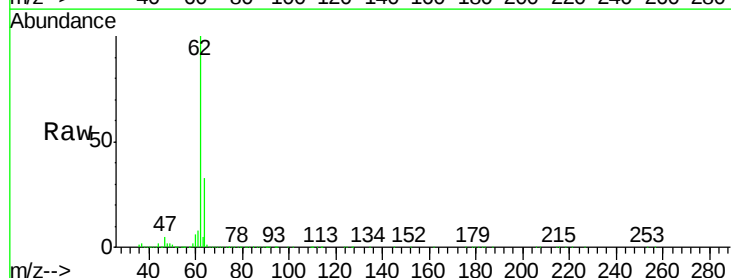
Acq: 17 Jan 2019 10:14

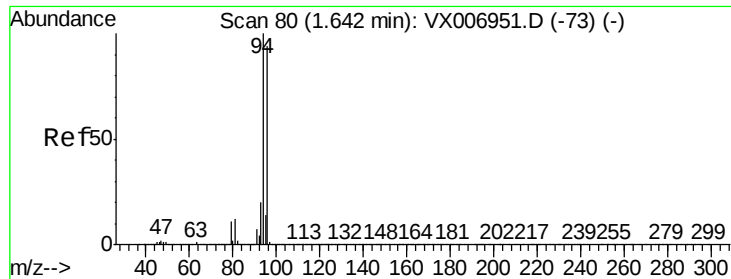
Tgt Ion: 62 Resp: 248553

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 43.736 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampled :

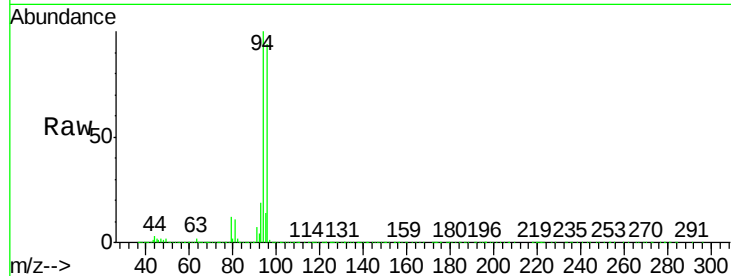
BFB

Tot Ion: 94 Resp: 250247

Ion Ratio Lower Upper

94 100

96 94.2 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250000

200000

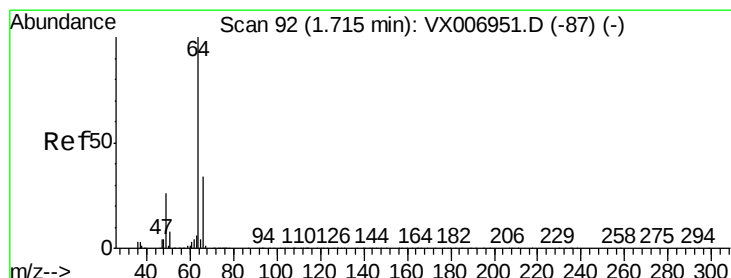
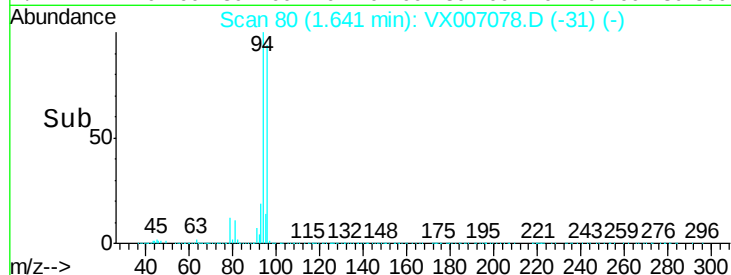
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 43.848 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007078.D

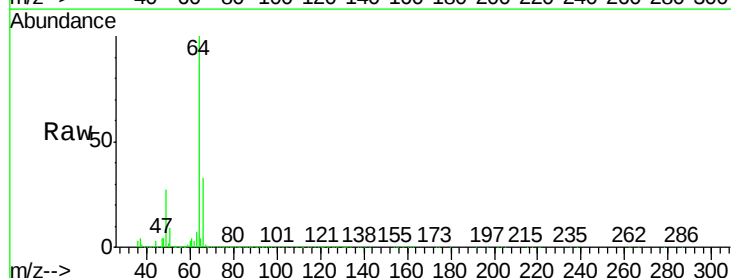
Acq: 17 Jan 2019 10:14

Tgt Ion: 64 Resp: 163965

Ion Ratio Lower Upper

64 100

66 33.1 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

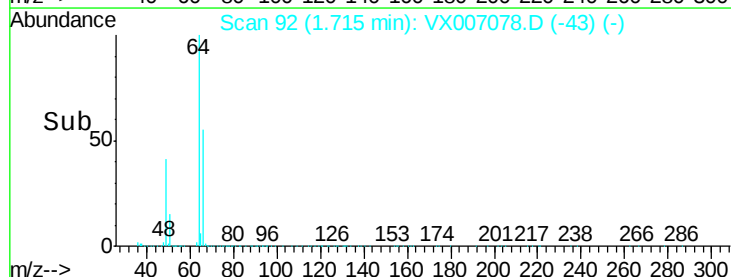
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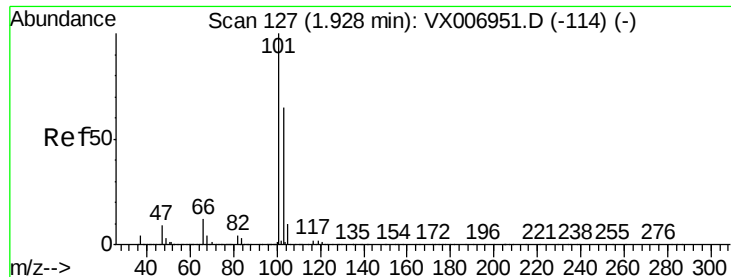
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Time-->



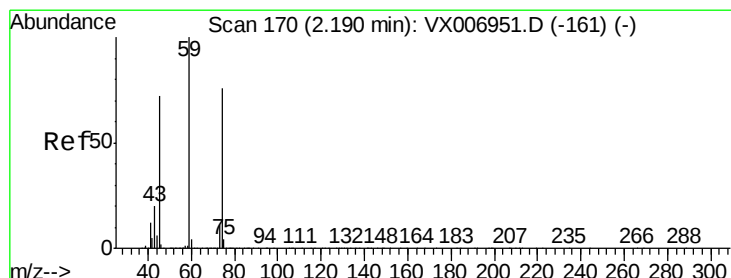
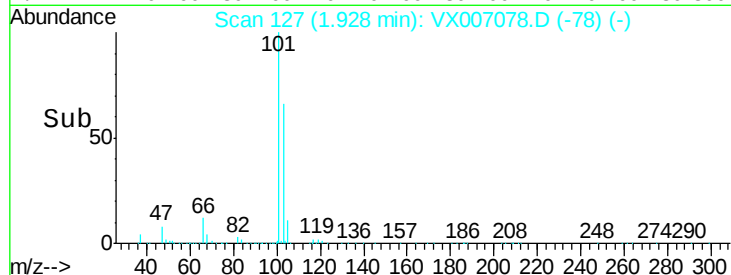
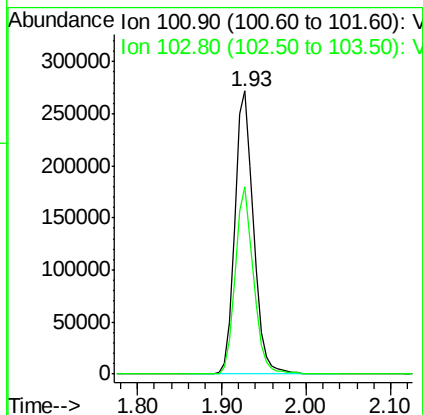
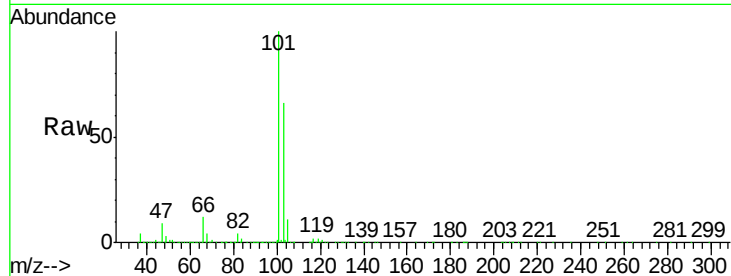


#7

Trichlorofluoromethane  
Concen: 46.674 ug/l  
RT: 1.93 min Scan# 127  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Instrument :  
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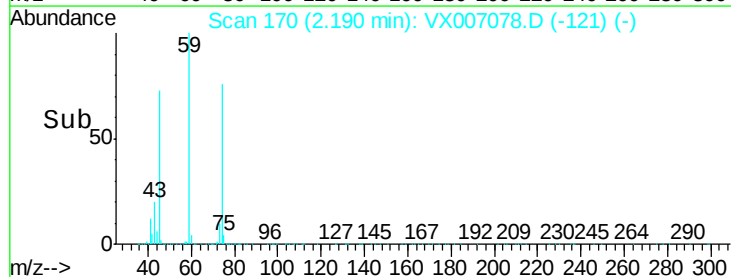
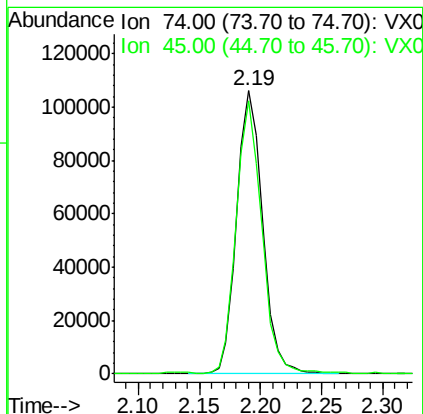
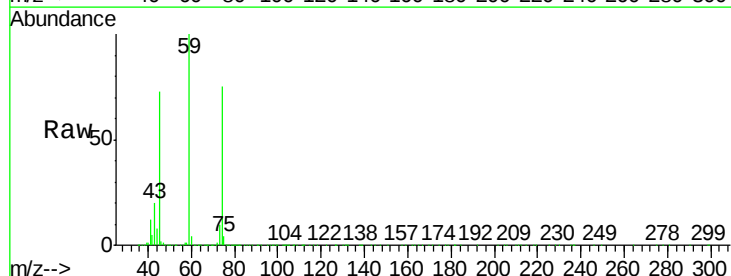
Tot Ion:101 Resp: 403875  
Ion Ratio Lower Upper  
101 100  
103 66.3 53.2 79.8

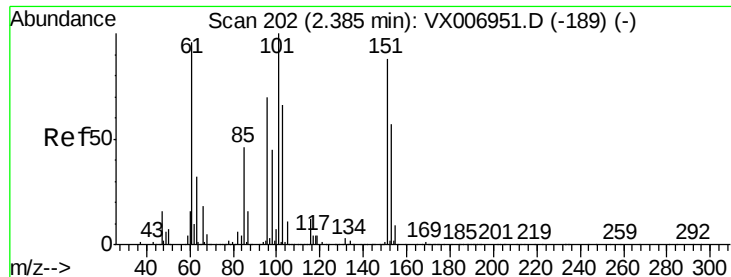


#8

Diethyl Ether  
Concen: 45.026 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Tgt Ion: 74 Resp: 155004  
Ion Ratio Lower Upper  
74 100  
45 95.1 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.513 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

BFB

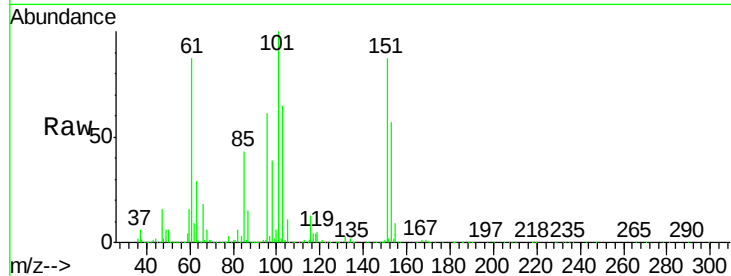
Tot Ion:101 Resp: 246144

Ion Ratio Lower Upper

101 100

85 43.1 35.1 52.7

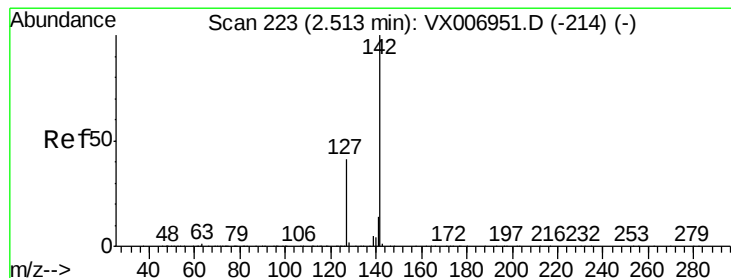
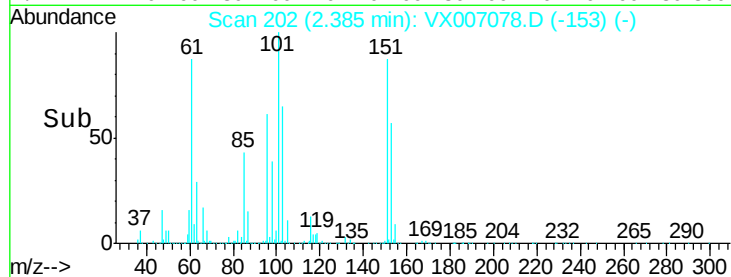
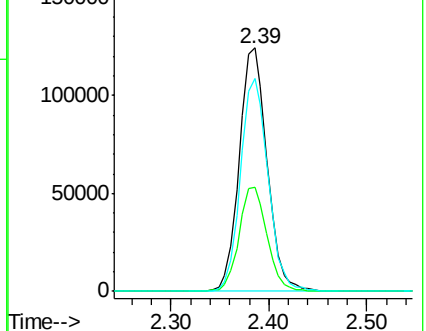
151 86.6 68.9 103.3



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: 52.008 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

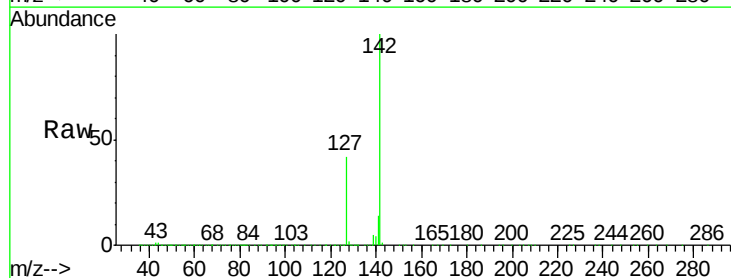
Tgt Ion:142 Resp: 363436

Ion Ratio Lower Upper

142 100

127 42.3 33.9 50.9

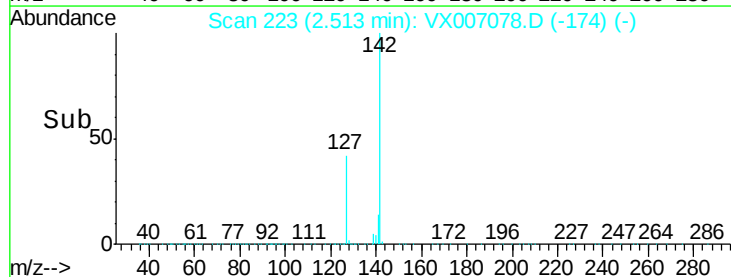
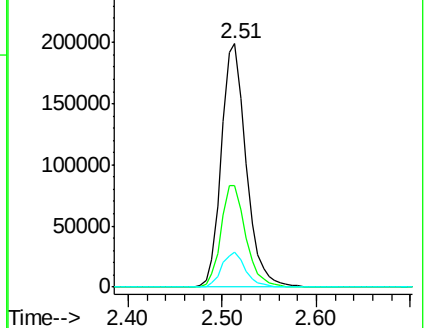
141 14.0 11.4 17.0

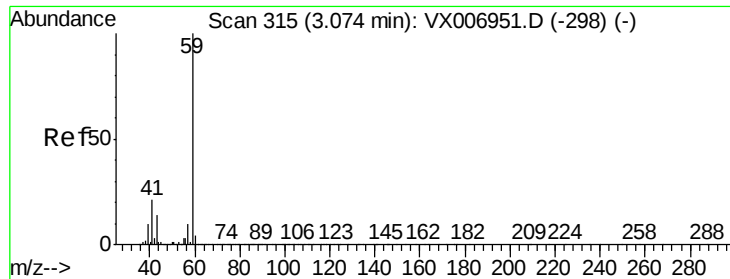


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

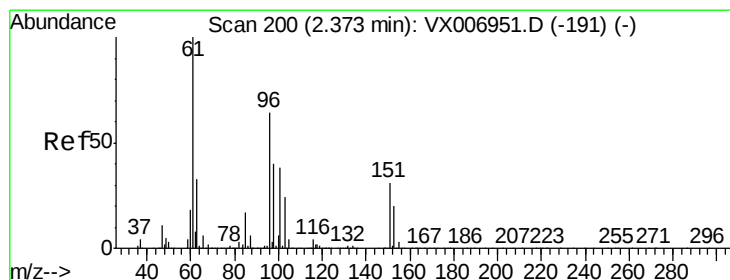
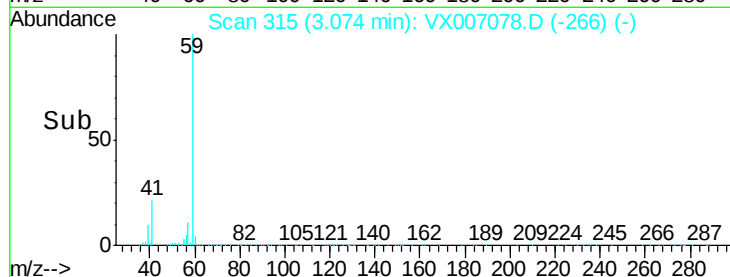
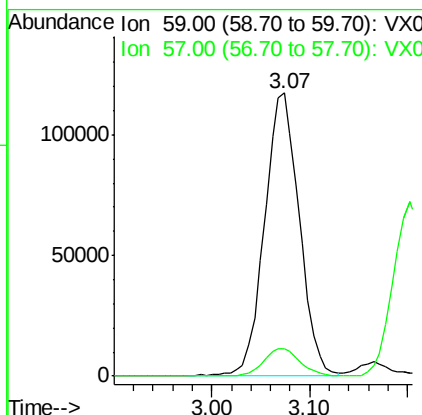
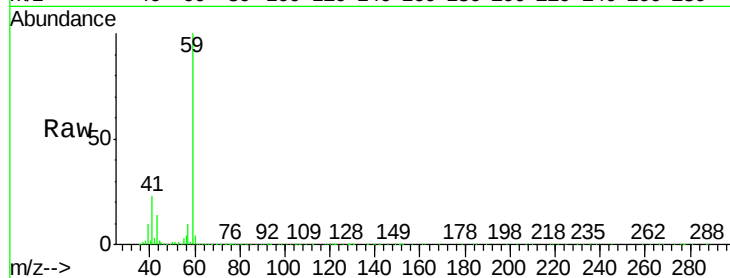




#11  
Tert butyl alcohol  
Concen: 226.845 ug/l  
RT: 3.07 min Scan# 315  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

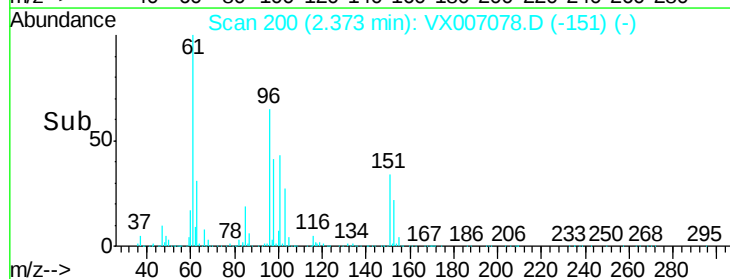
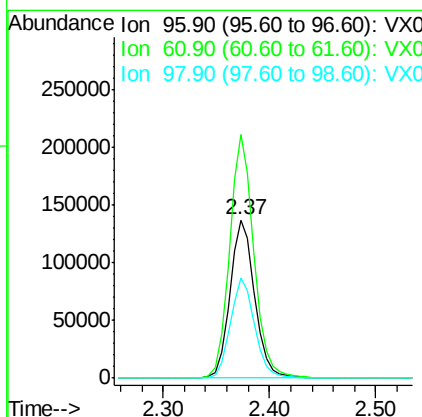
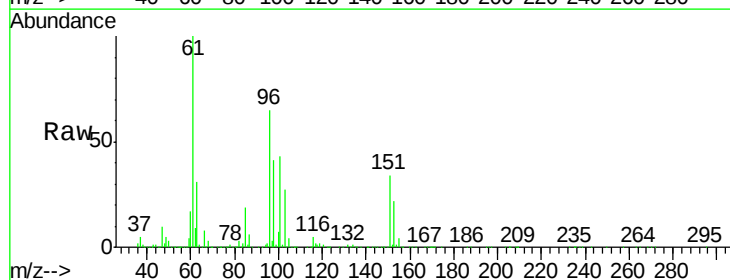
Instrument :  
MSVOA\_X  
ClientSampled :  
BFB

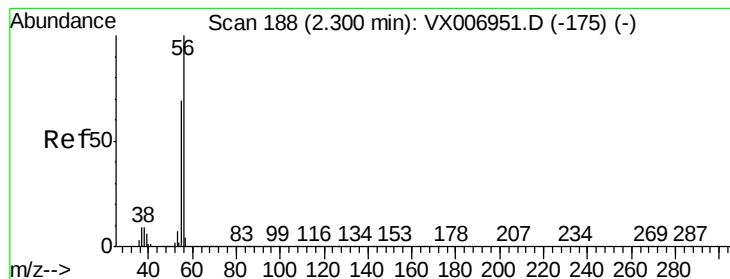
Tot Ion: 59 Resp: 291240  
Ion Ratio Lower Upper  
59 100  
57 10.0 8.5 12.7



#12  
1,1-Dichloroethene  
Concen: 46.251 ug/l  
RT: 2.37 min Scan# 200  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Tgt Ion: 96 Resp: 221376  
Ion Ratio Lower Upper  
96 100  
61 154.3 121.4 182.2  
98 63.9 51.9 77.9





#13

Acrolein

Concen: 226.046 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampled :

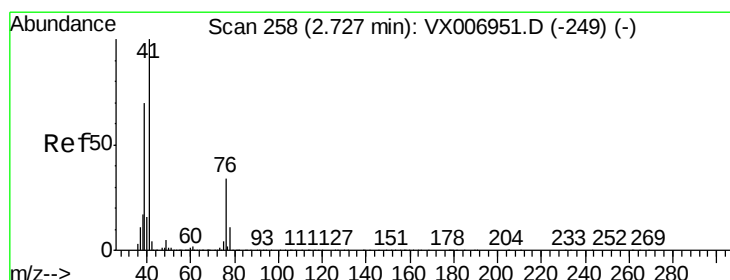
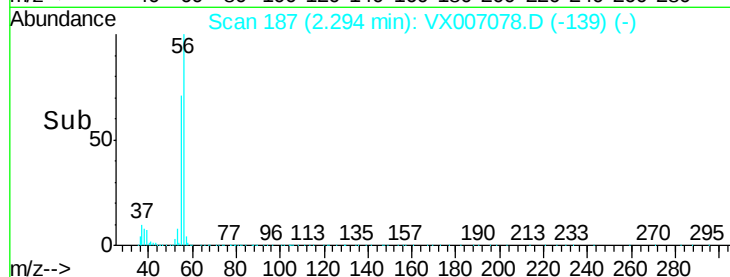
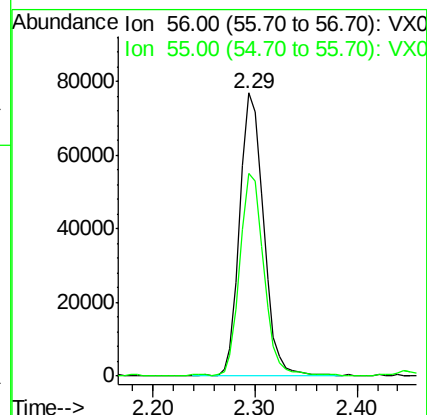
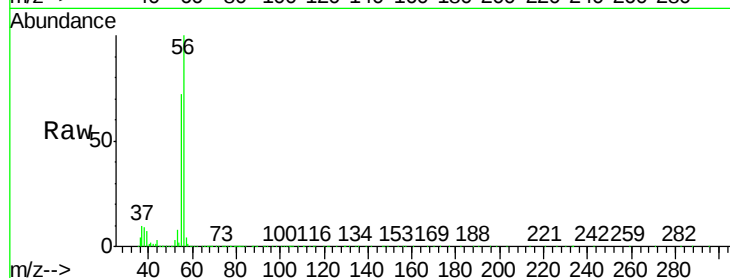
BFB

Tot Ion: 56 Resp: 124999

Ion Ratio Lower Upper

56 100

55 71.0 58.2 87.4



#14

Allyl chloride

Concen: 46.736 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

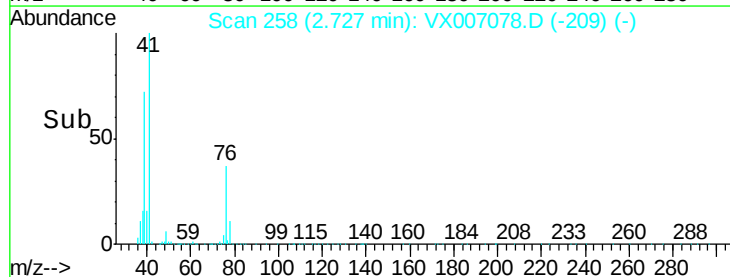
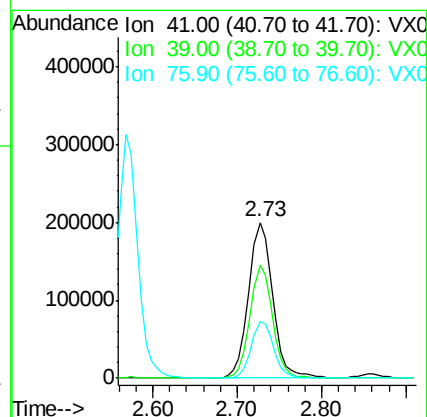
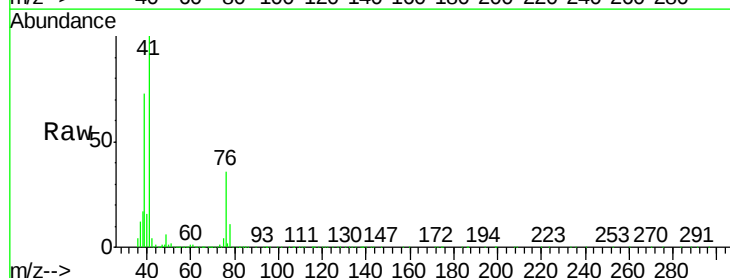
Tgt Ion: 41 Resp: 383372

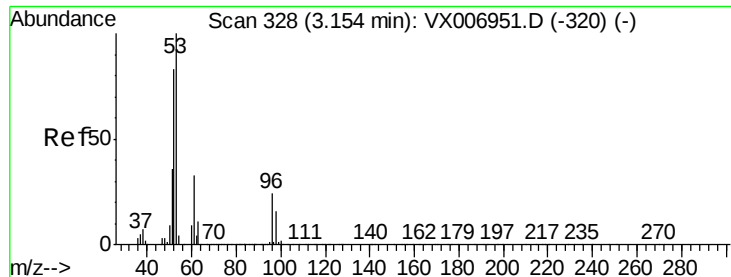
Ion Ratio Lower Upper

41 100

39 67.7 53.6 80.4

76 33.8 27.4 41.2





#15

Acrylonitrile

Concen: 236.992 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampled :

BFB

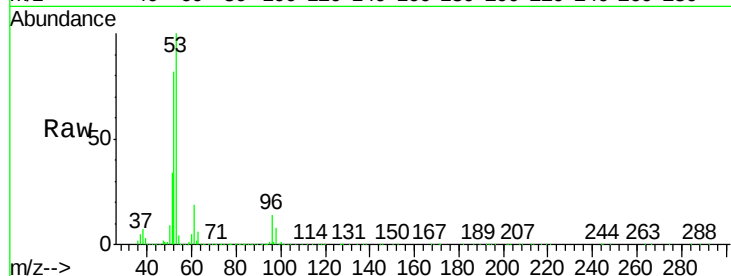
Tot Ion: 53 Resp: 698486

Ion Ratio Lower Upper

53 100

52 82.5 66.0 99.0

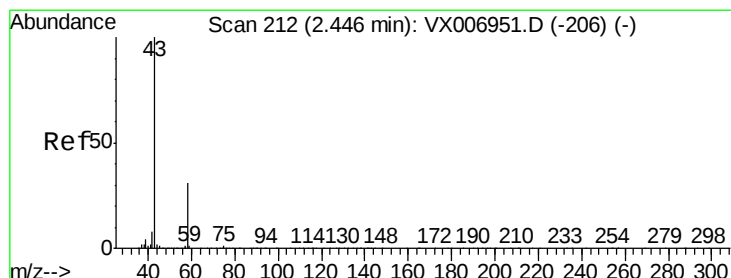
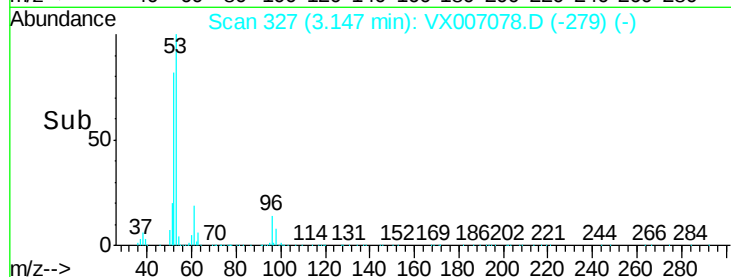
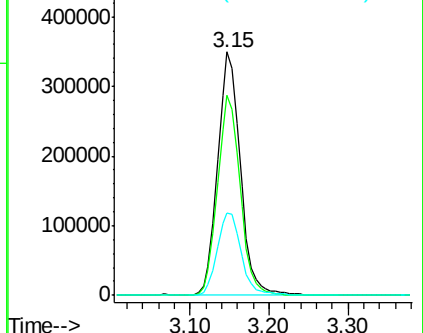
51 35.9 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 239.216 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007078.D

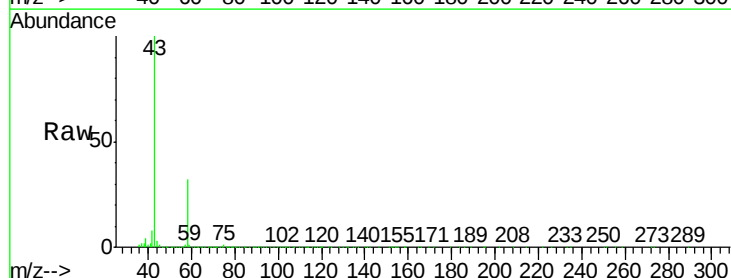
Acq: 17 Jan 2019 10:14

Tgt Ion: 43 Resp: 643645

Ion Ratio Lower Upper

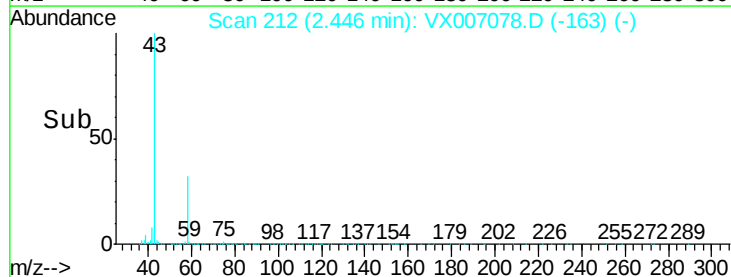
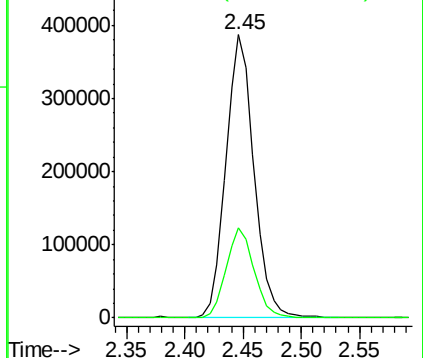
43 100

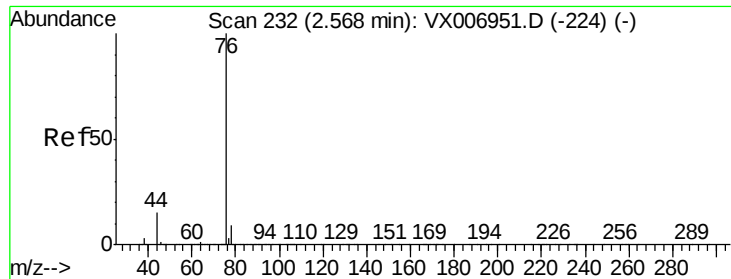
58 31.8 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 42.023 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

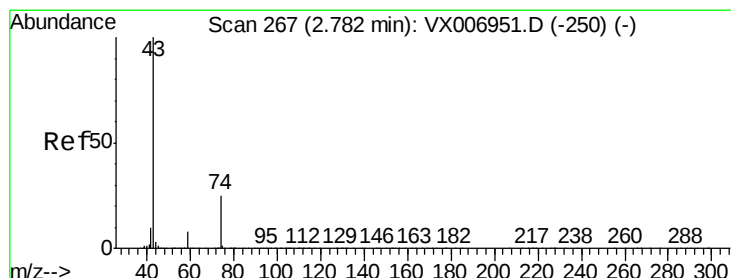
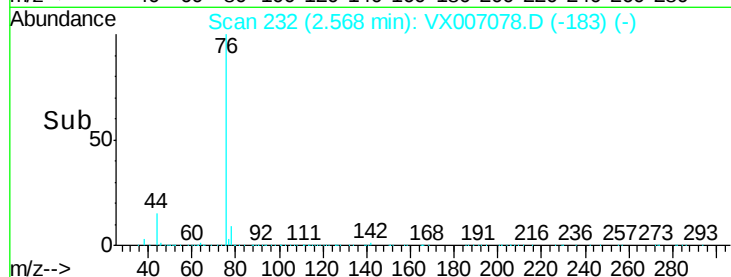
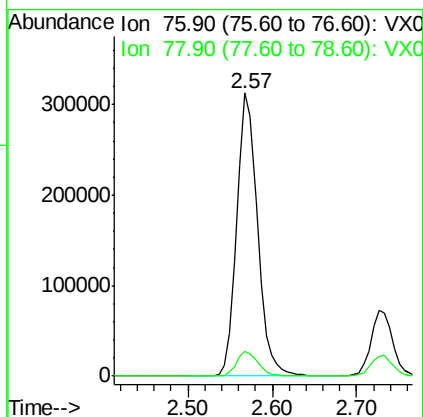
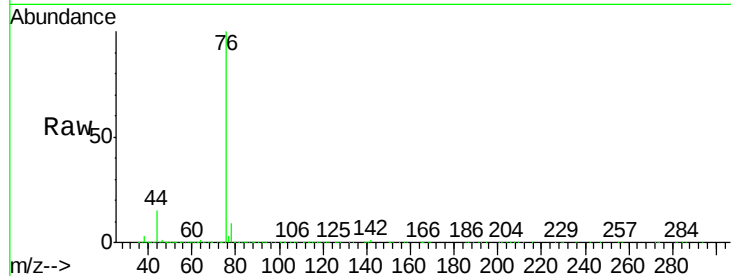
BFB

Tot Ion: 76 Resp: 517843

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



#18

Methyl Acetate

Concen: 47.669 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007078.D

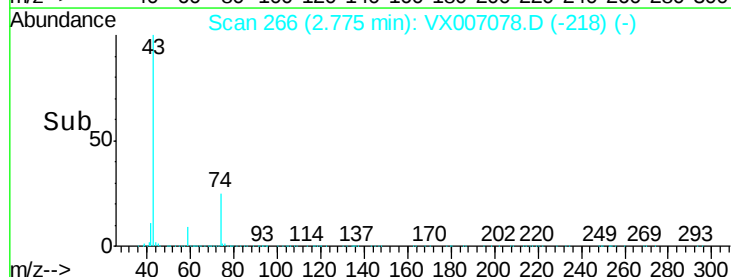
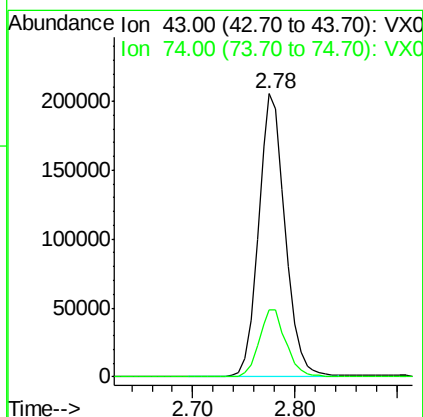
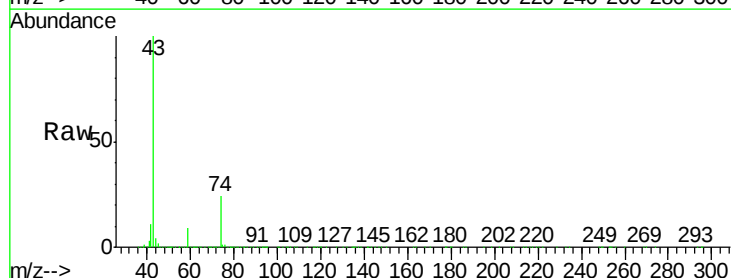
Acq: 17 Jan 2019 10:14

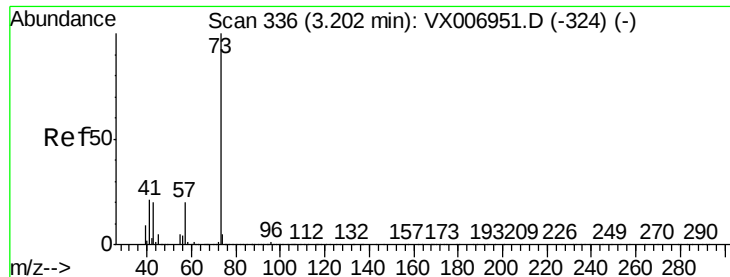
Tgt Ion: 43 Resp: 371433

Ion Ratio Lower Upper

43 100

74 23.6 18.6 28.0



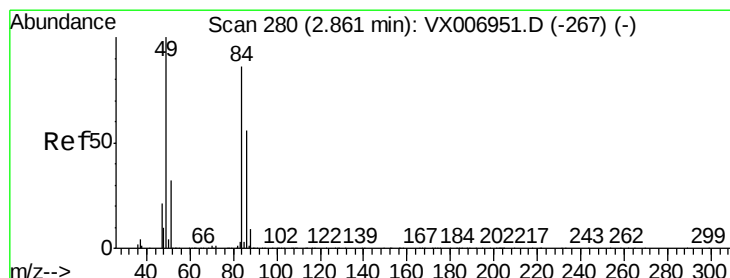
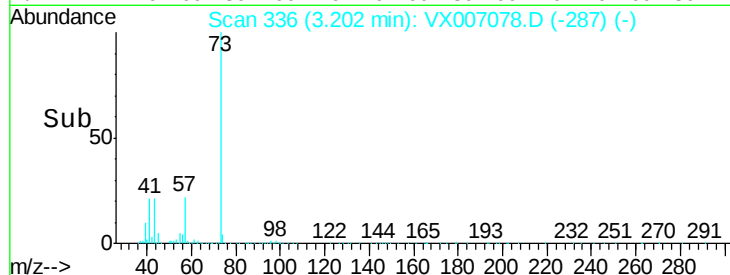
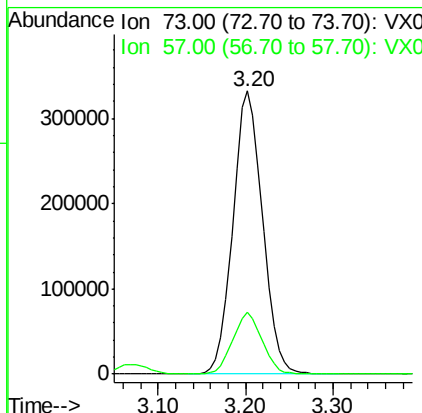
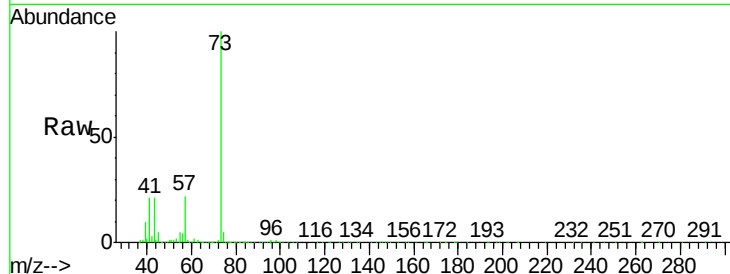


#19

Methyl tert-butyl Ether  
Concen: 47.104 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

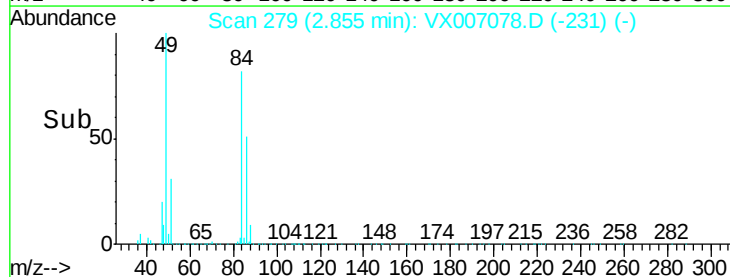
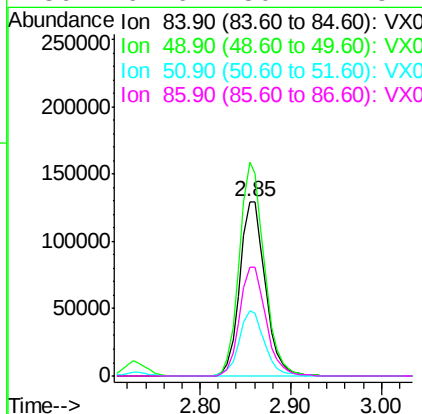
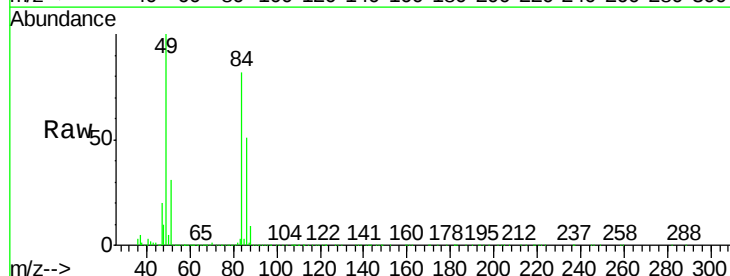
Tot Ion: 73 Resp: 782524  
Ion Ratio Lower Upper  
73 100  
57 21.7 16.8 25.2

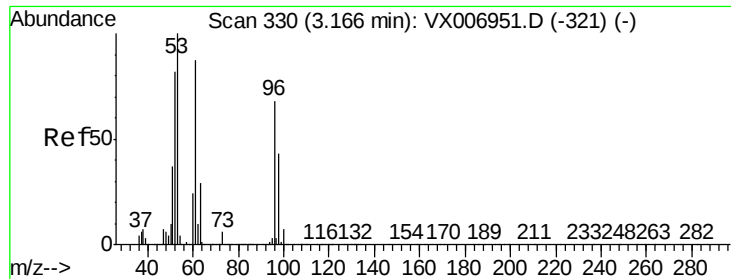


#20

Methylene Chloride  
Concen: 49.477 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.01 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Tgt Ion: 84 Resp: 253237  
Ion Ratio Lower Upper  
84 100  
49 122.6 91.8 137.6  
51 37.4 28.5 42.7  
86 62.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 45.016 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

BFB

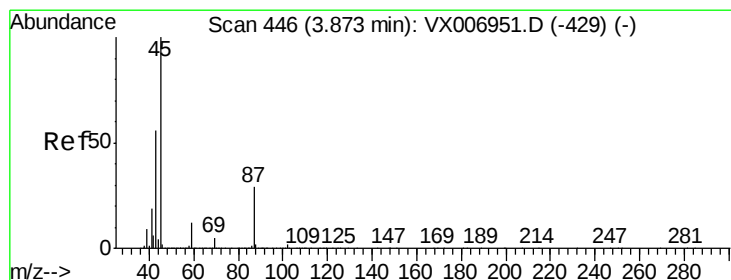
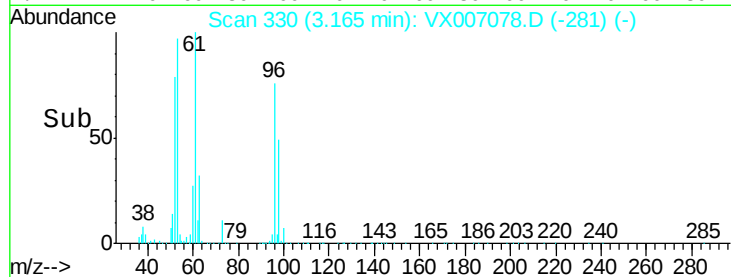
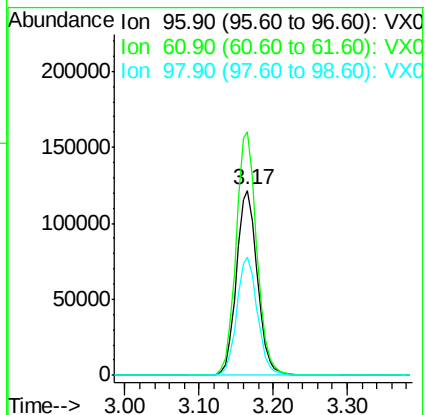
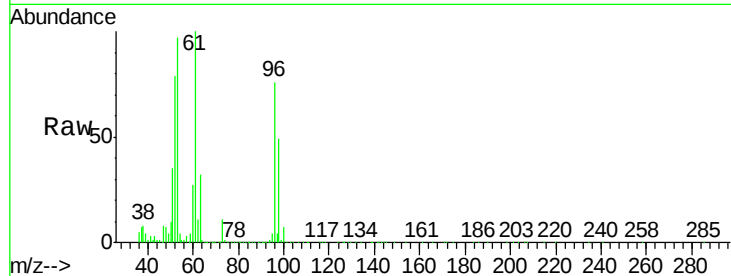
Tot Ion: 96 Resp: 240112

Ion Ratio Lower Upper

96 100

61 131.1 103.7 155.5

98 63.8 51.0 76.6



#22

Diisopropyl ether

Concen: 47.560 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tgt Ion: 45 Resp: 733444

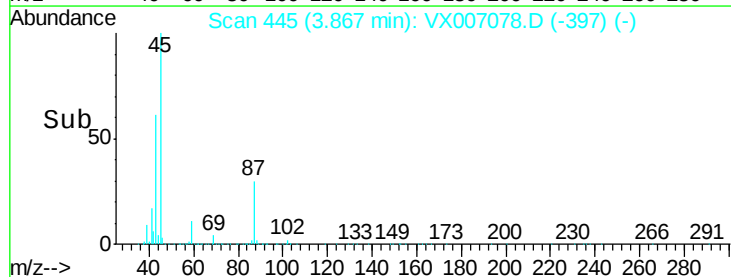
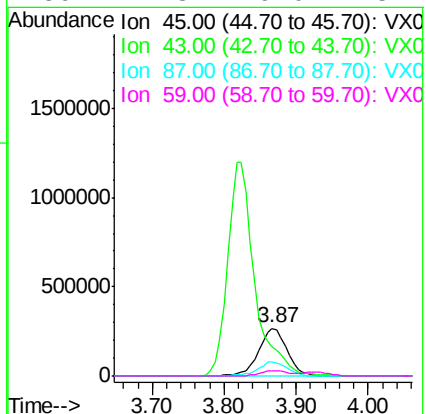
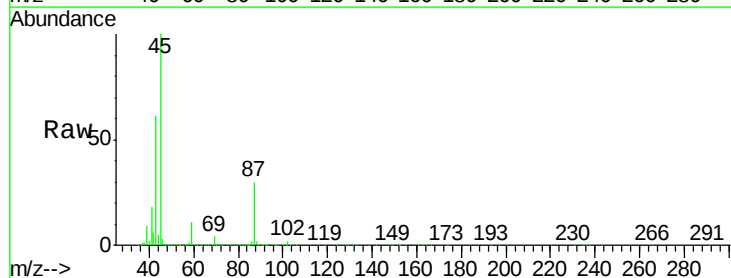
Ion Ratio Lower Upper

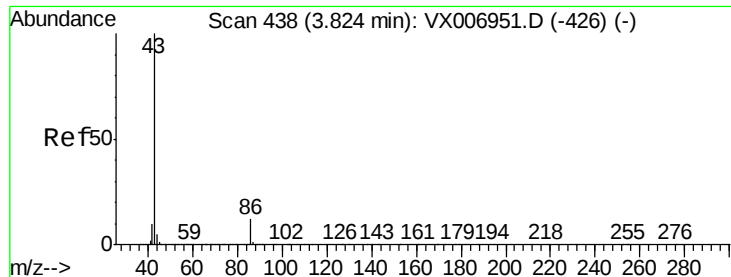
45 100

43 61.4 51.2 76.8

87 30.4 25.8 38.6

59 11.3 9.0 13.4





#23

Vinyl Acetate

Concen: 240.960 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampled :

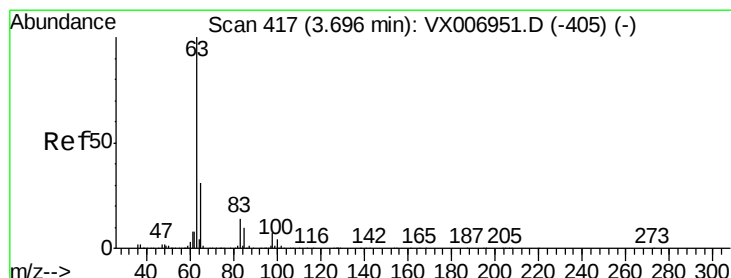
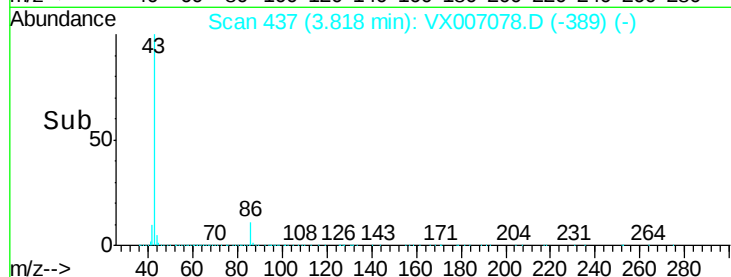
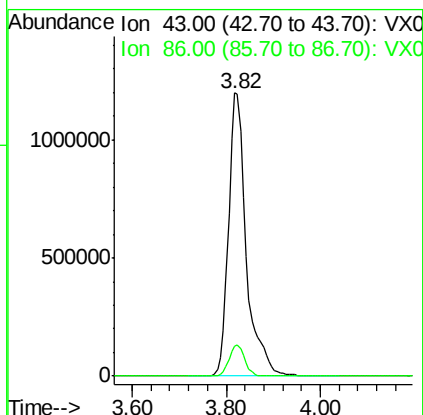
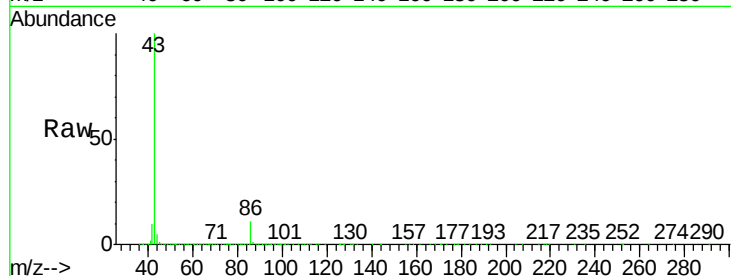
BFB

Tot Ion: 43 Resp: 3133725

Ion Ratio Lower Upper

43 100

86 10.5 9.2 13.8



#24

1,1-Dichloroethane

Concen: 49.689 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

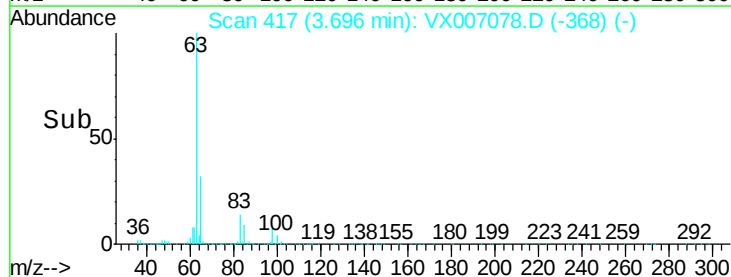
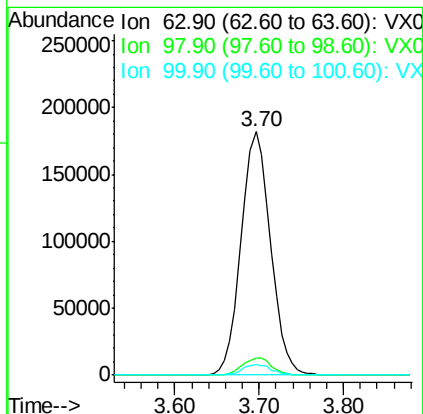
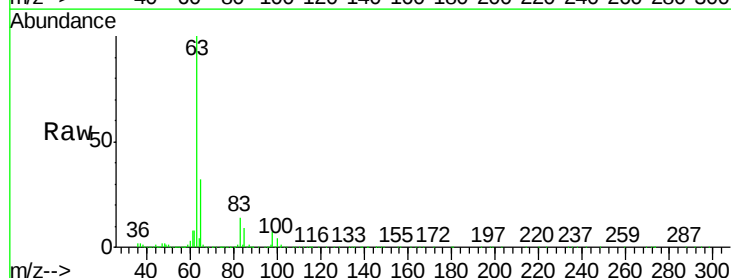
Tgt Ion: 63 Resp: 428477

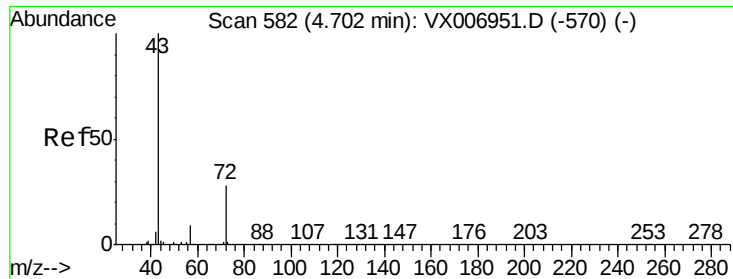
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.5

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 241.515 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

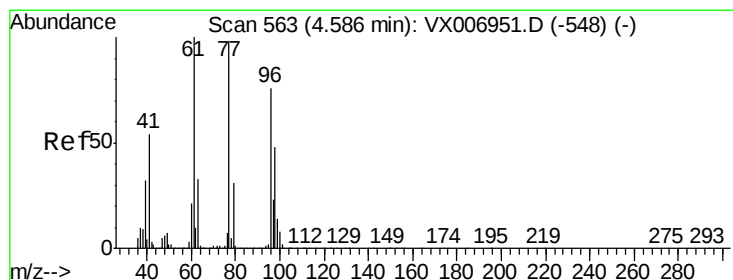
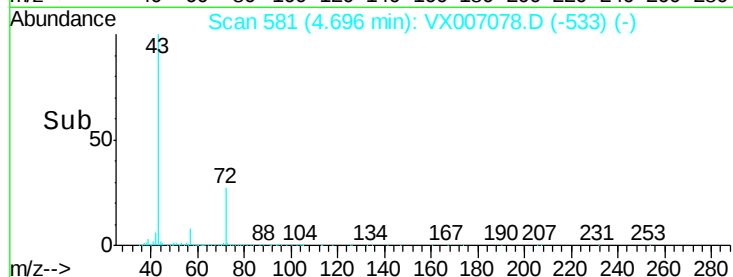
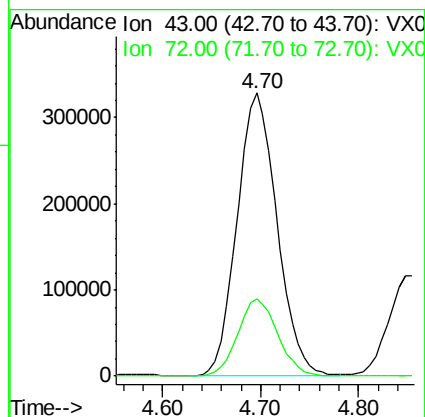
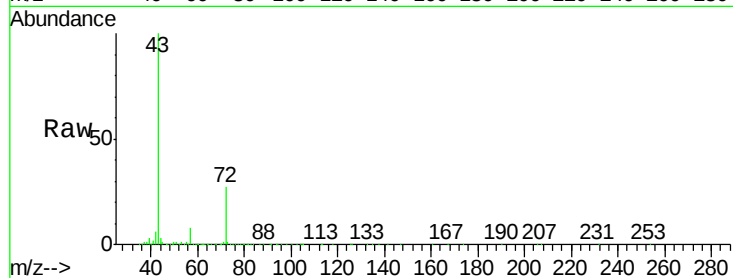
BFB

Tot Ion: 43 Resp: 929812

Ion Ratio Lower Upper

43 100

72 27.1 22.4 33.6



#26

2,2-Dichloropropane

Concen: 47.564 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007078.D

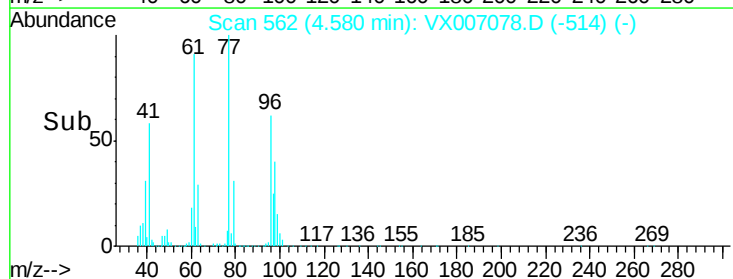
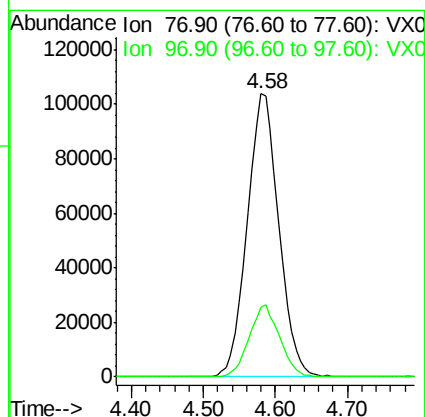
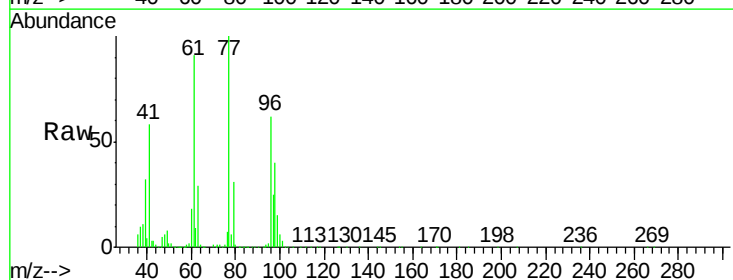
Acq: 17 Jan 2019 10:14

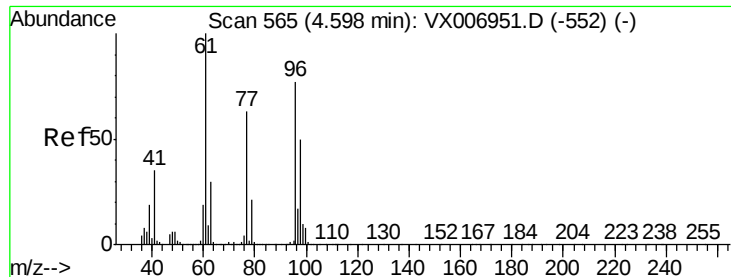
Tgt Ion: 77 Resp: 315391

Ion Ratio Lower Upper

77 100

97 24.8 12.4 37.4



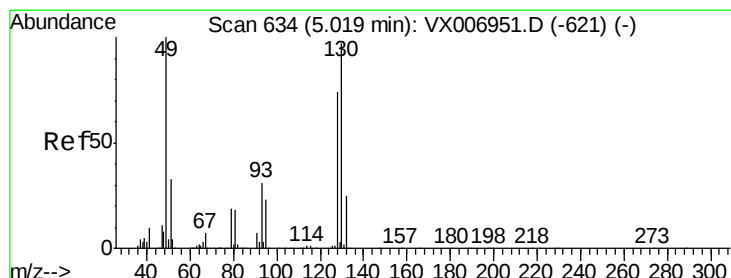
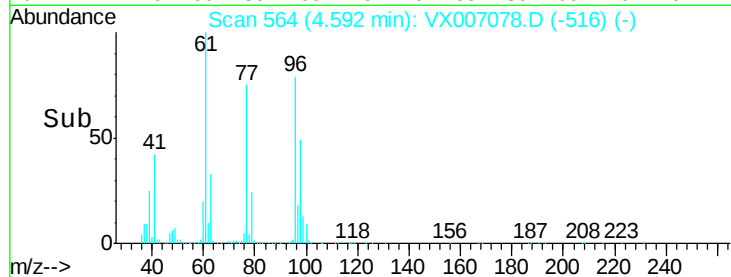
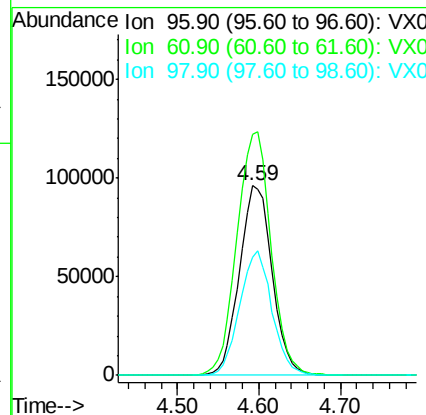
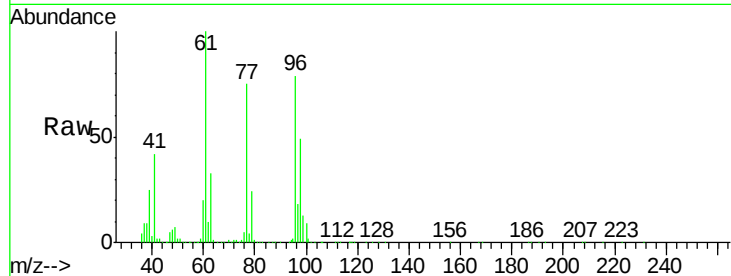


#27

cis-1,2-Dichloroethene  
 Concen: 45.605 ug/l  
 RT: 4.59 min Scan# 564  
 Delta R.T. -0.01 min  
 Lab File: VX007078.D  
 Acq: 17 Jan 2019 10:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BFB

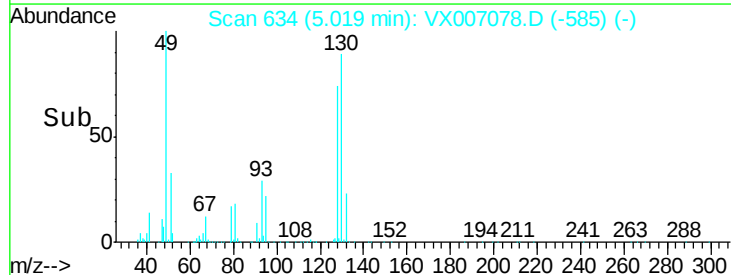
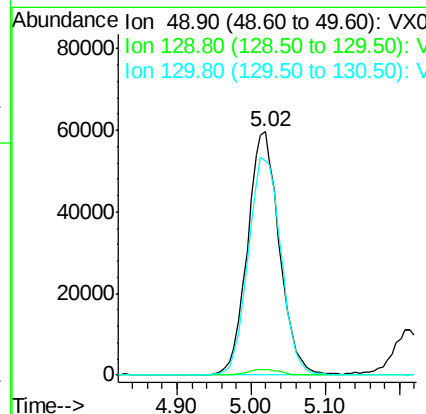
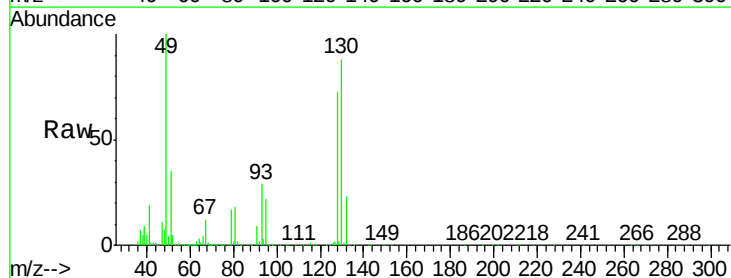
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 133.8 | 0.0   | 258.6 |
| 98      | 64.6  | 0.0   | 132.0 |

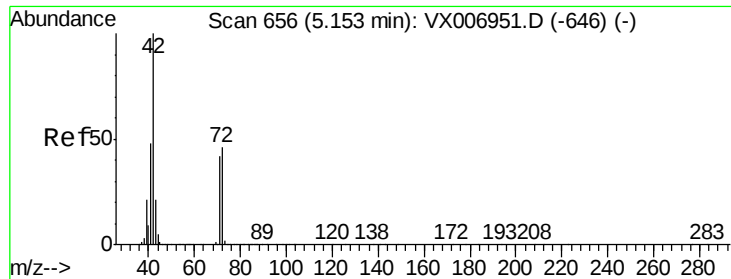


#28

Bromochloromethane  
 Concen: 47.545 ug/l  
 RT: 5.02 min Scan# 634  
 Delta R.T. -0.00 min  
 Lab File: VX007078.D  
 Acq: 17 Jan 2019 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.6   | 0.0   | 5.4   |
| 130     | 92.0  | 77.7  | 116.5 |

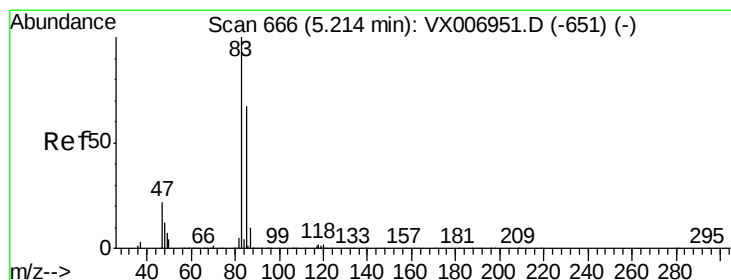
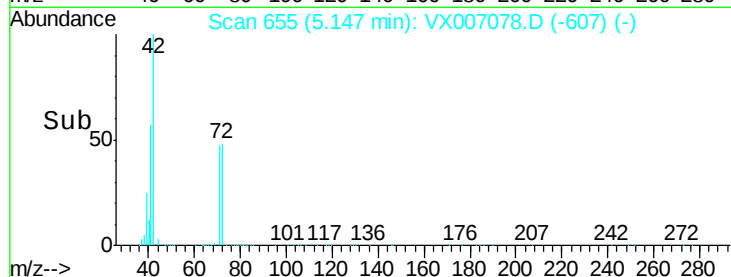
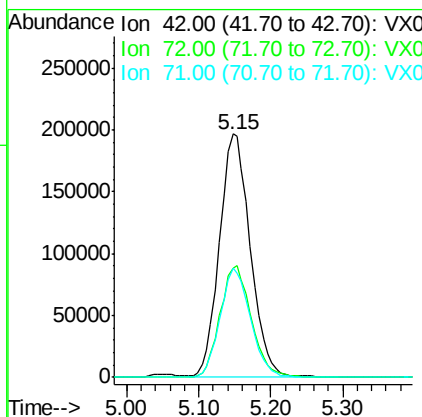
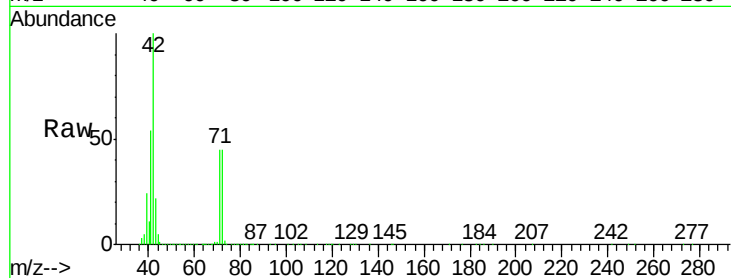




#29  
Tetrahydrofuran  
Concen: 233.533 ug/l  
RT: 5.15 min Scan# 655  
Delta R.T. -0.01 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

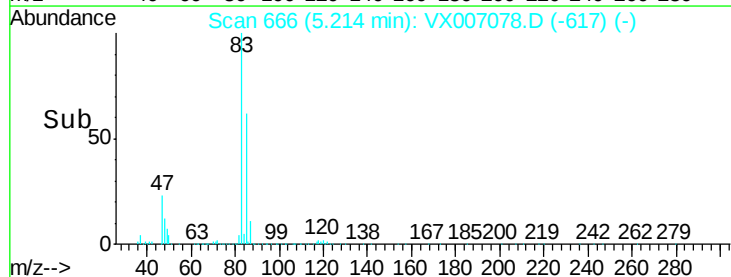
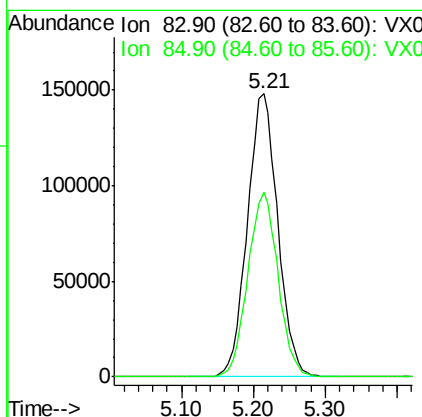
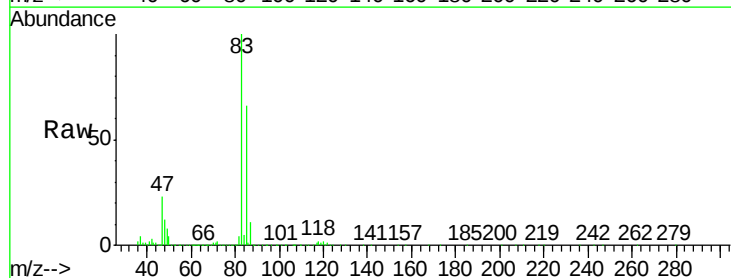
Instrument :  
MSVOA\_X  
ClientSampled :  
BFB

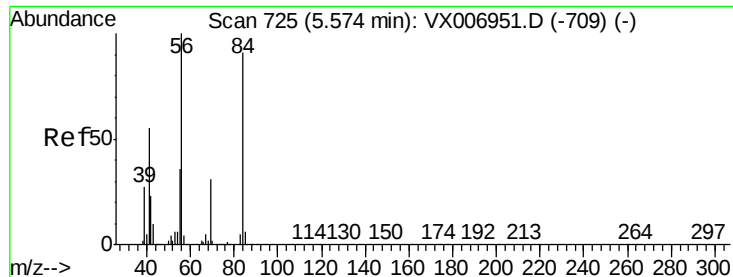
Tot Ion: 42 Resp: 584292  
Ion Ratio Lower Upper  
42 100  
72 46.5 38.9 58.3  
71 44.2 36.2 54.4



#30  
Chloroform  
Concen: 48.012 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Tgt Ion: 83 Resp: 433471  
Ion Ratio Lower Upper  
83 100  
85 65.5 51.2 76.8





#31

Cyclohexane

Concen: 46.318 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

BFB

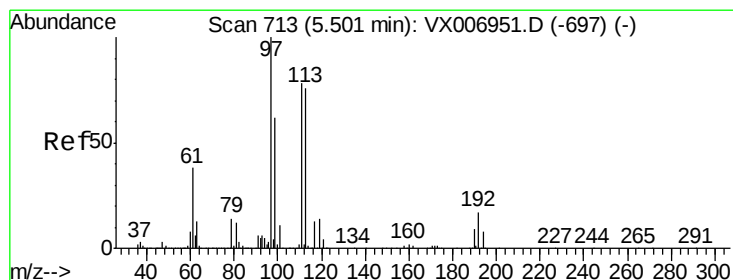
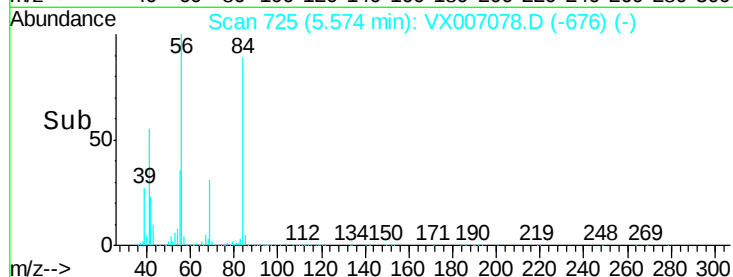
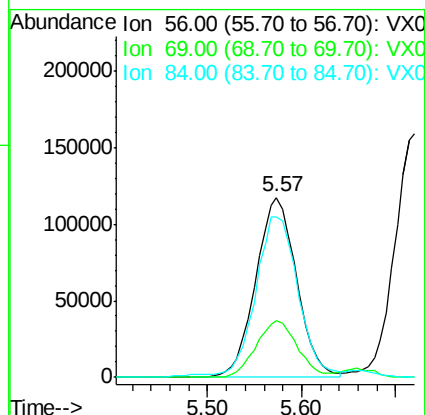
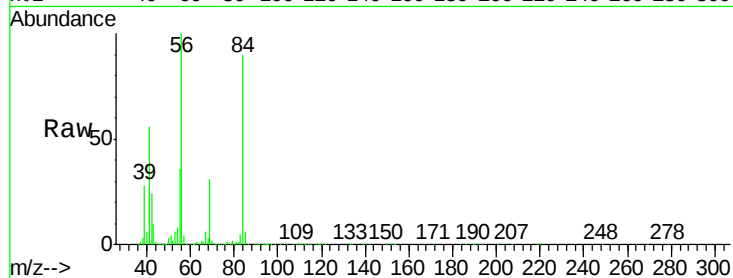
Tot Ion: 56 Resp: 355488

Ion Ratio Lower Upper

56 100

69 31.4 24.4 36.6

84 88.1 70.0 105.0



#32

1,1,1-Trichloroethane

Concen: 48.076 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

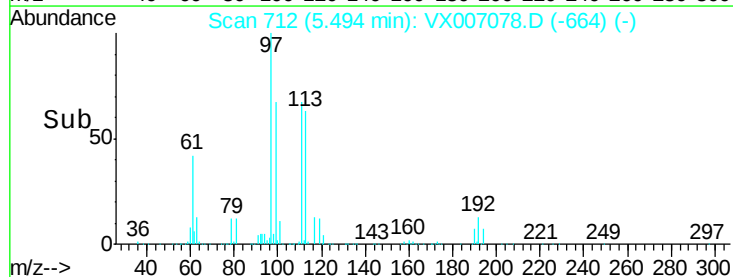
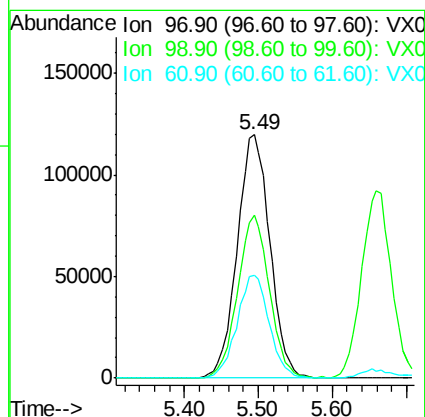
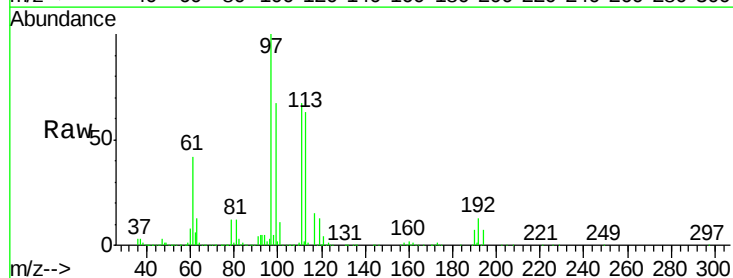
Tgt Ion: 97 Resp: 367905

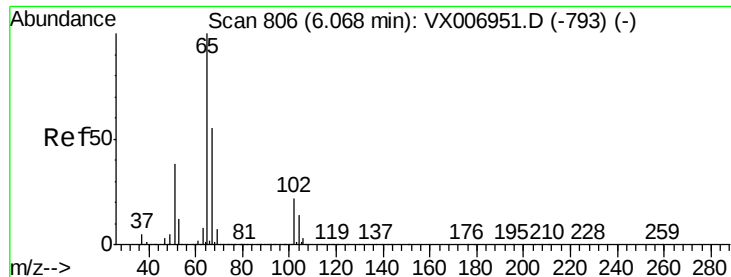
Ion Ratio Lower Upper

97 100

99 64.9 51.7 77.5

61 41.6 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 46.730 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampled :

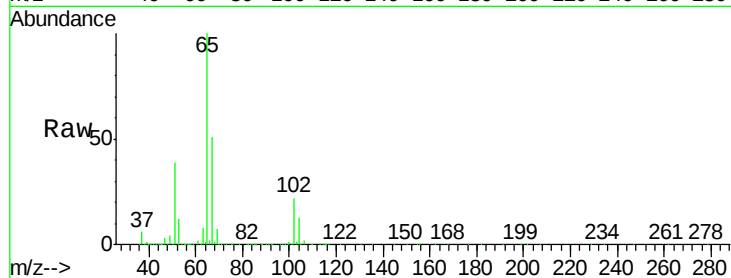
BFB

Tot Ion: 65 Resp: 254332

Ion Ratio Lower Upper

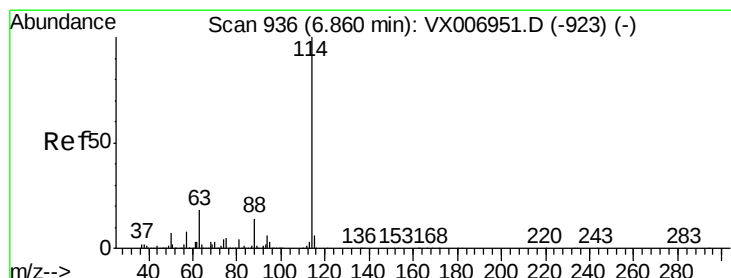
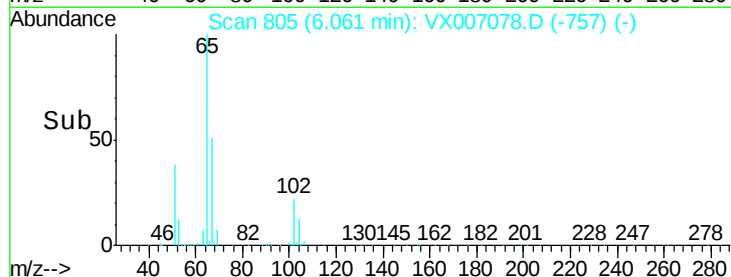
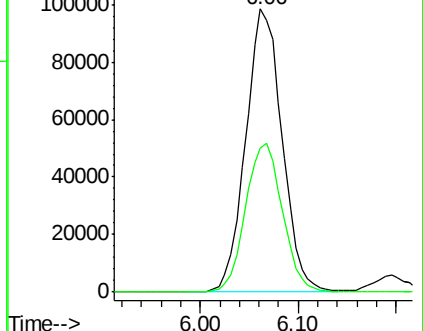
65 100

67 52.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

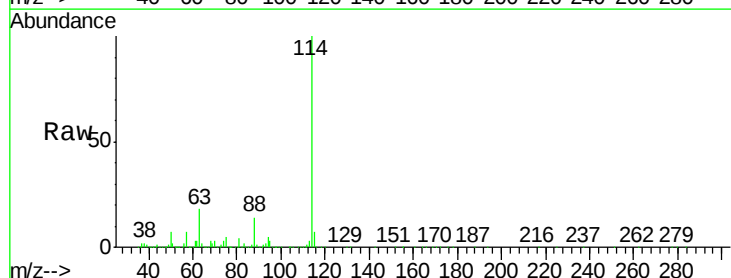
Tgt Ion: 114 Resp: 752367

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

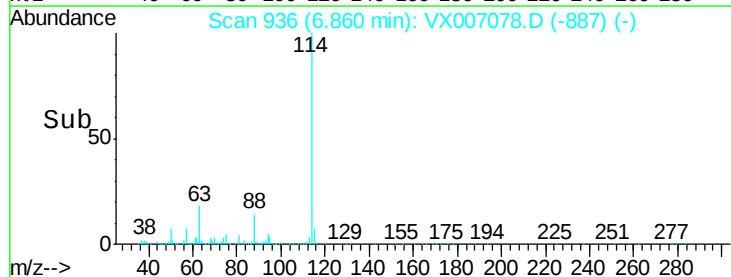
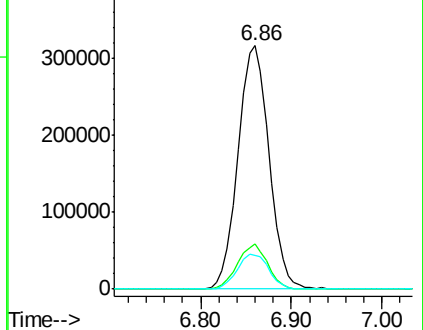
88 13.7 0.0 28.8

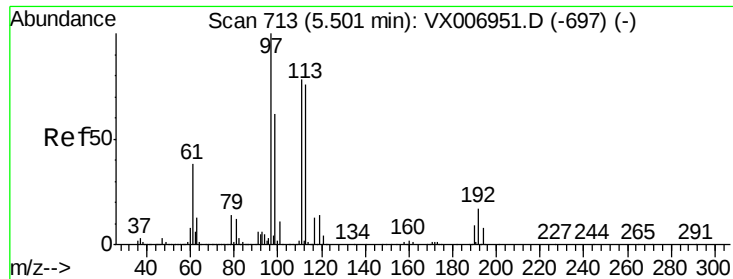


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

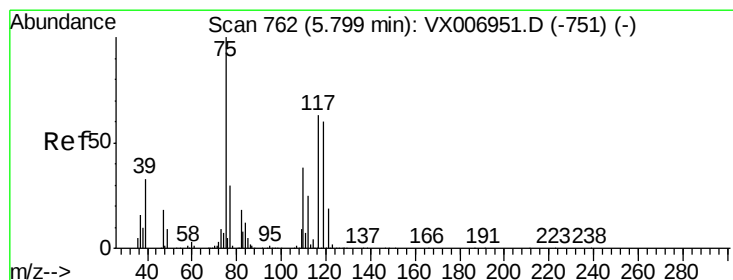
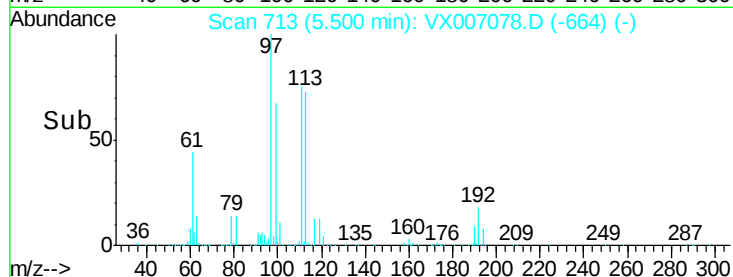
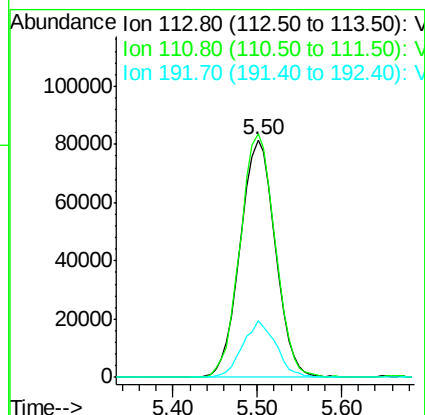
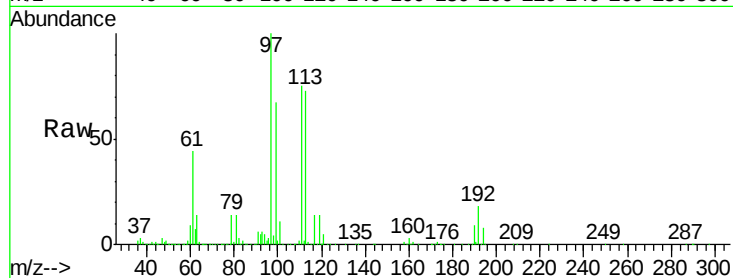




#35  
Dibromofluoromethane  
Concen: 47.849 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

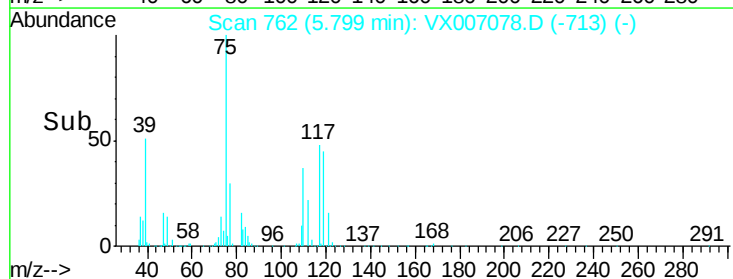
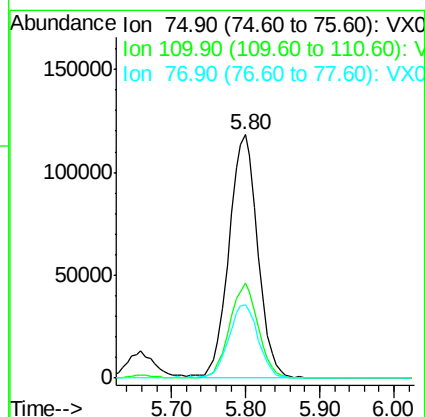
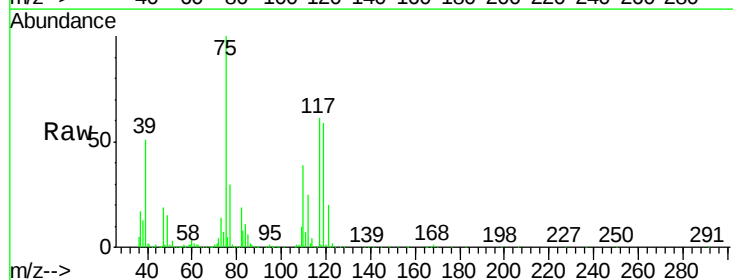
Instrument :  
MSVOA\_X  
ClientSampled :  
BFB

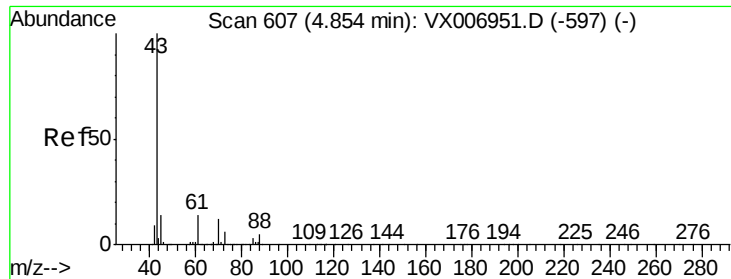
Tot Ion:113 Resp: 230543  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.6 122.4  
192 22.6 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 48.552 ug/l  
RT: 5.80 min Scan# 762  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Tgt Ion: 75 Resp: 317586  
Ion Ratio Lower Upper  
75 100  
110 38.8 20.2 60.5  
77 31.1 24.8 37.2

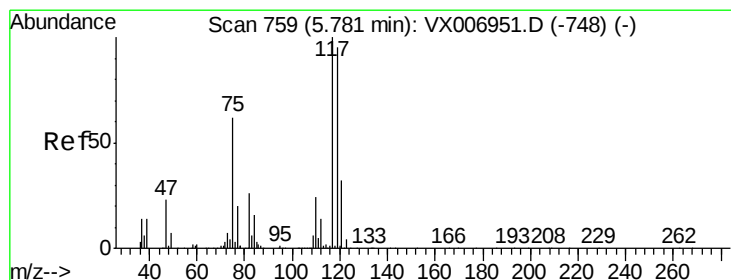
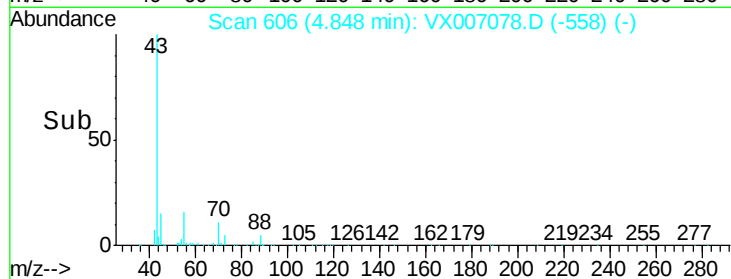
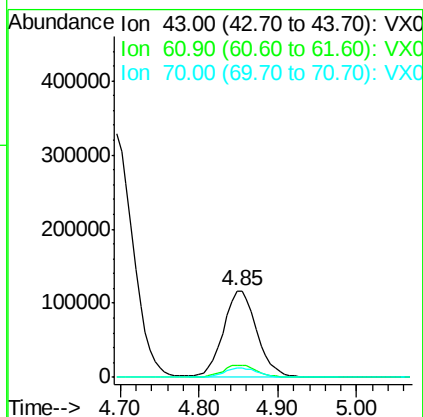
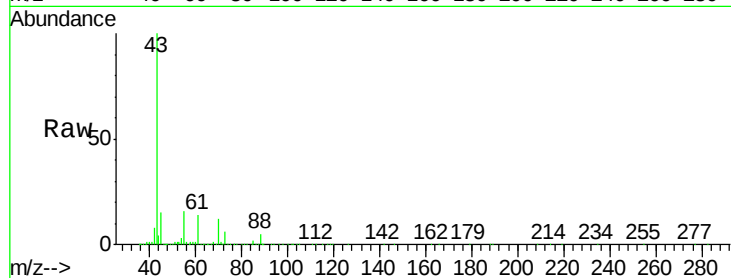




#37  
Ethyl Acetate  
Concen: 48.891 ug/l  
RT: 4.85 min Scan# 606  
Delta R.T. -0.01 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

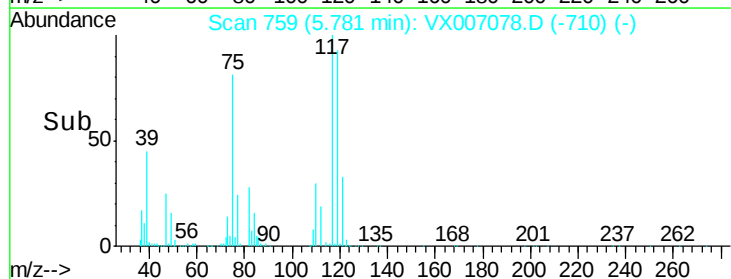
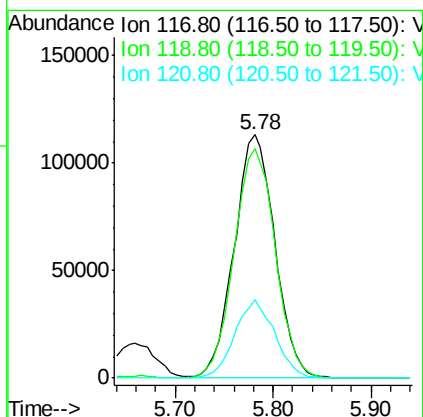
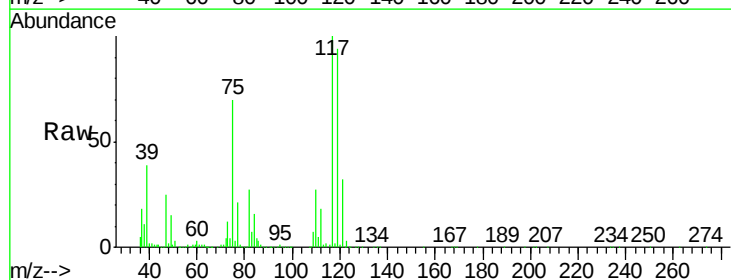
Instrument :  
MSVOA\_X  
ClientSampled :  
BFB

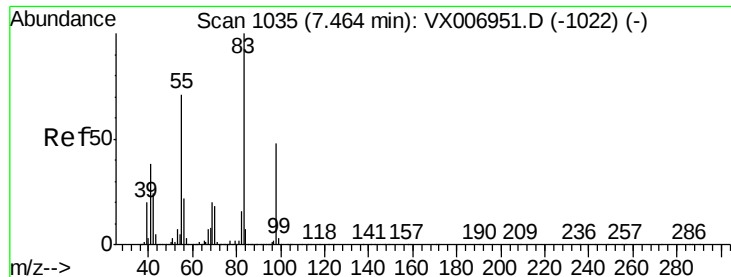
Tot Ion: 43 Resp: 342864  
Ion Ratio Lower Upper  
43 100  
61 14.3 11.9 17.9  
70 11.1 9.7 14.5



#38  
Carbon Tetrachloride  
Concen: 49.383 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Tgt Ion: 117 Resp: 325000  
Ion Ratio Lower Upper  
117 100  
119 94.3 79.4 119.2  
121 32.4 24.0 36.0

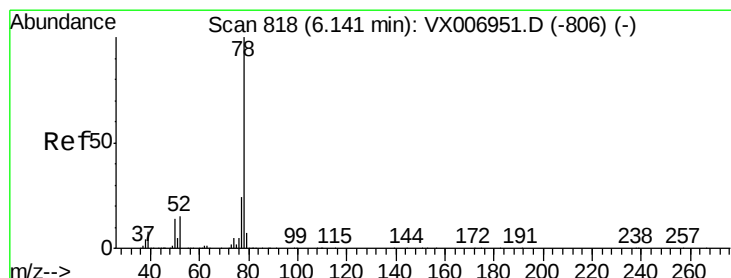
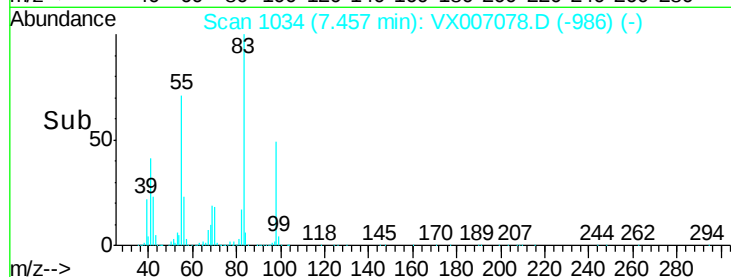
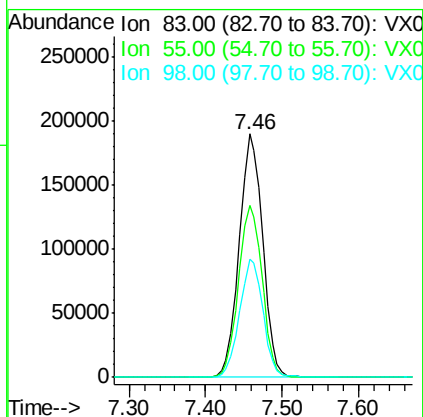
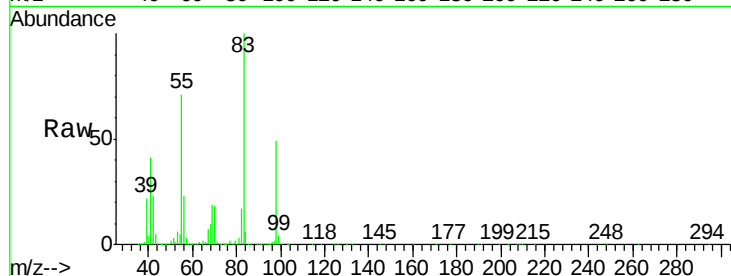




#39  
Methvlcvclohexane  
Concen: 48.499 ug/l  
RT: 7.46 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

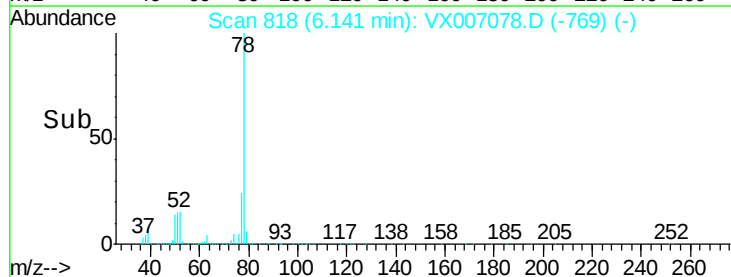
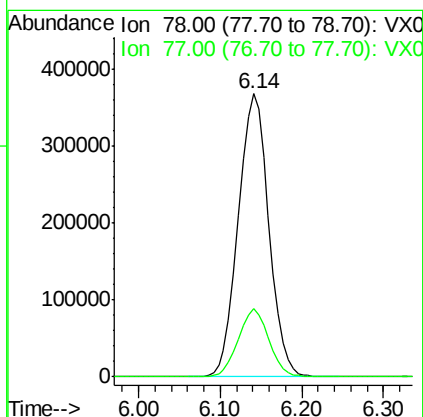
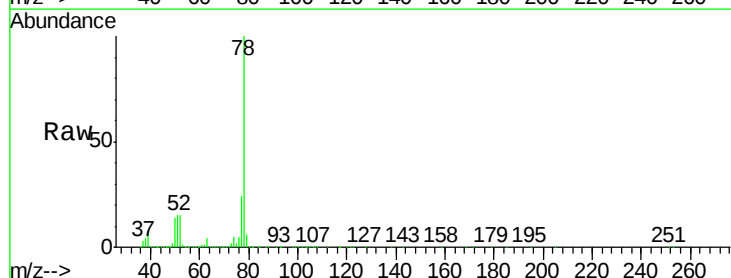
Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

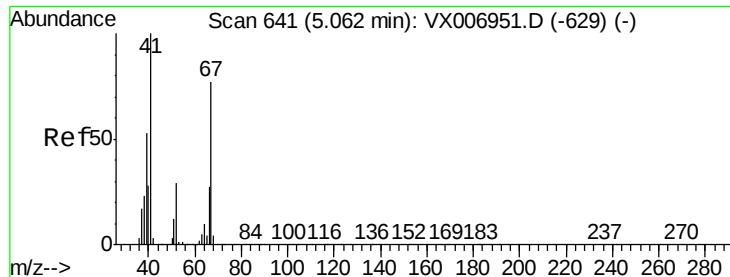
| Tot Ion | 83    | Resp  | 404435 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 70.6  | 54.9  | 82.3   |
| 98      | 48.7  | 37.9  | 56.9   |



#40  
Benzene  
Concen: 47.966 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

| Tgt Ion | 78    | Resp  | 957358 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 24.1  | 19.2  | 28.8   |





#41

Methacrylonitrile

Concen: 47.715 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

BFB

Tot Ion: 41 Resp: 192765

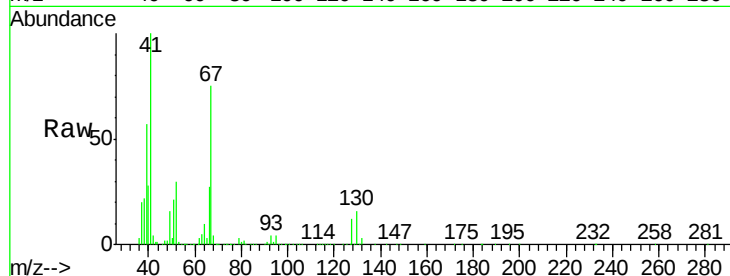
Ion Ratio Lower Upper

41 100

39 54.8 42.8 64.2

67 74.8 62.1 93.1

52 27.8 23.4 35.0

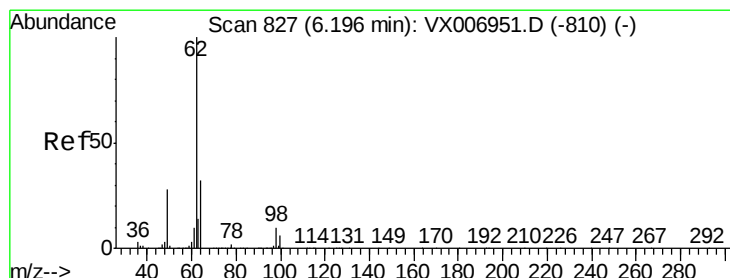
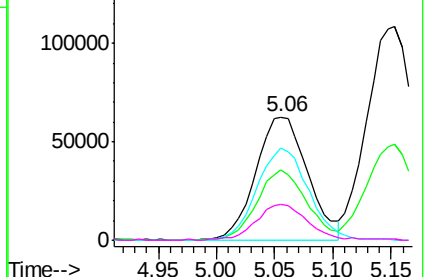
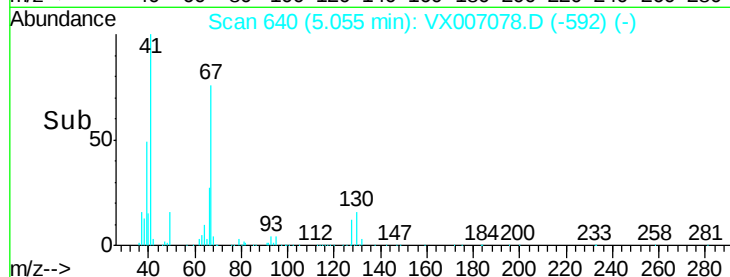


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 47.569 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007078.D

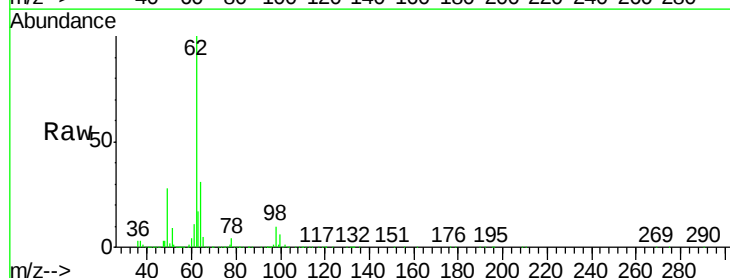
Acq: 17 Jan 2019 10:14

Tgt Ion: 62 Resp: 328092

Ion Ratio Lower Upper

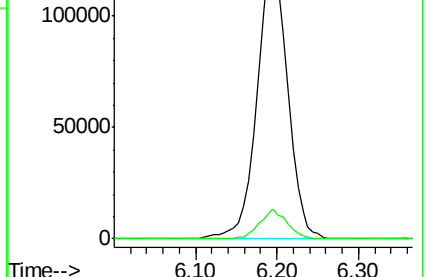
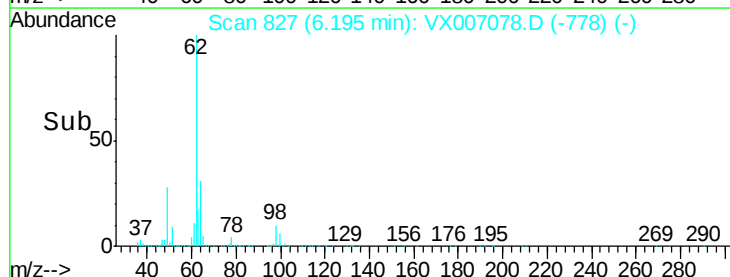
62 100

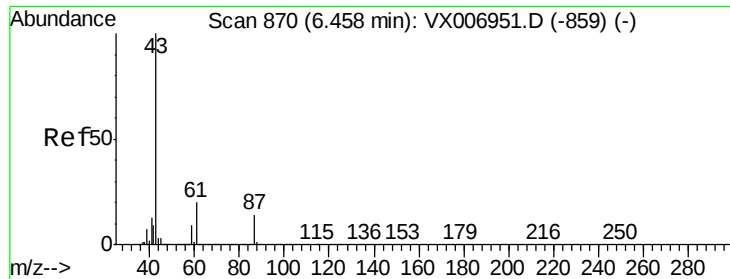
98 9.8 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



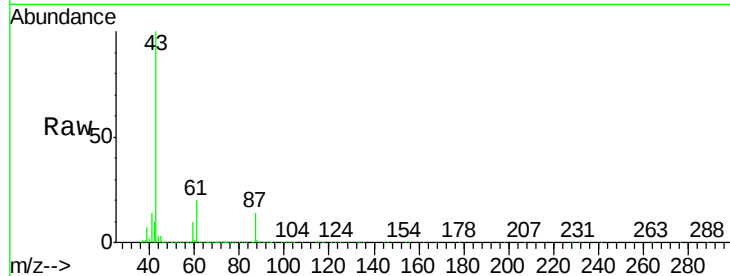


#43

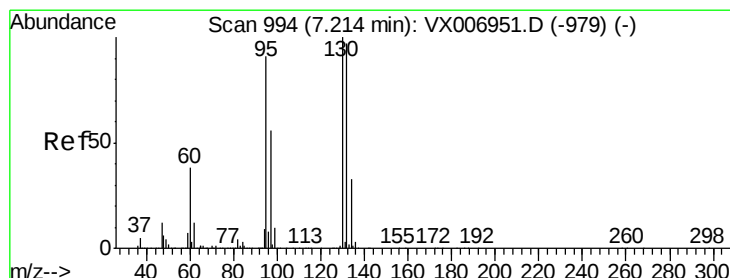
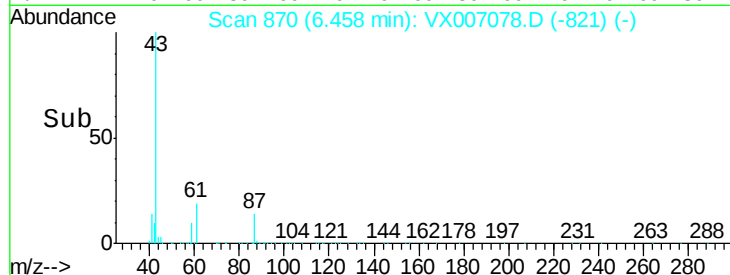
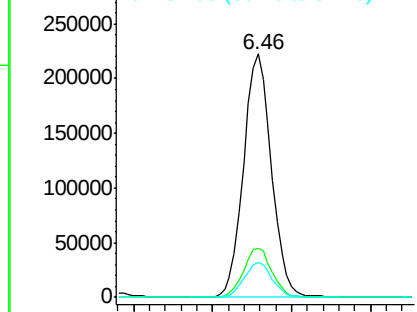
Isopropyl Acetate  
 Concen: 49.552 ug/l  
 RT: 6.46 min Scan# 870  
 Delta R.T. -0.00 min  
 Lab File: VX007078.D  
 Acq: 17 Jan 2019 10:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BFB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.5  | 16.8  | 25.2  |
| 87      | 14.5  | 12.4  | 18.6  |



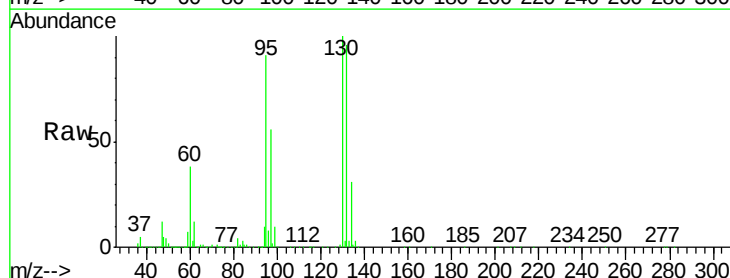
Abundance Ion 43.00 (42.70 to 43.70): VX0  
 Ion 61.00 (60.70 to 61.70): VX0  
 Ion 87.00 (86.70 to 87.70): VX0



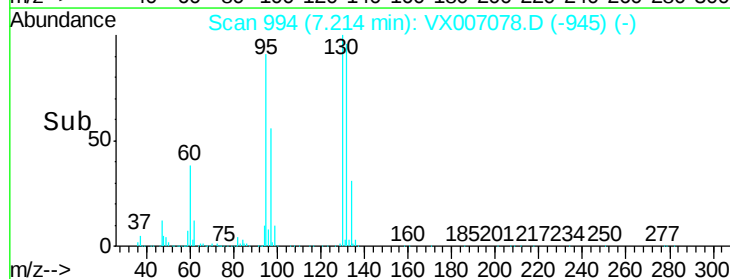
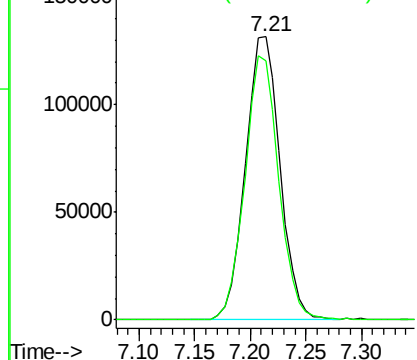
#44

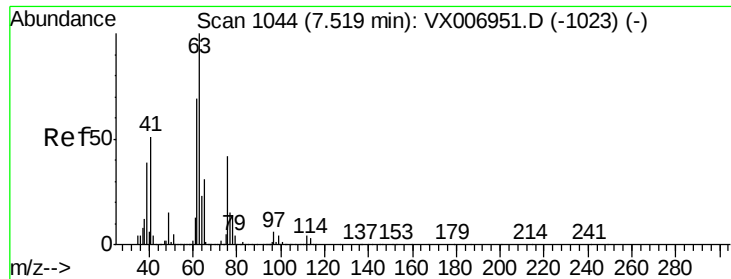
Trichloroethene  
 Concen: 47.586 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: VX007078.D  
 Acq: 17 Jan 2019 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 91.4  | 0.0   | 187.0 |



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.091 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

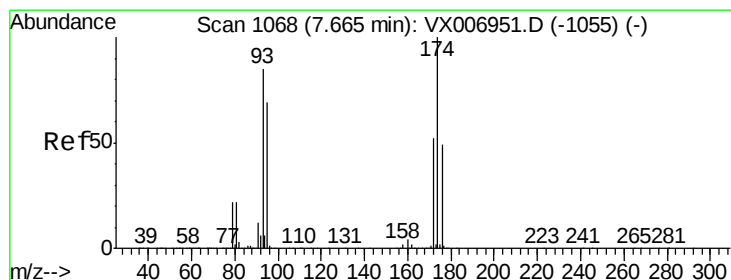
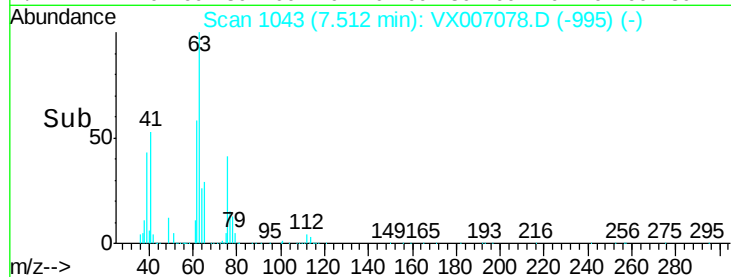
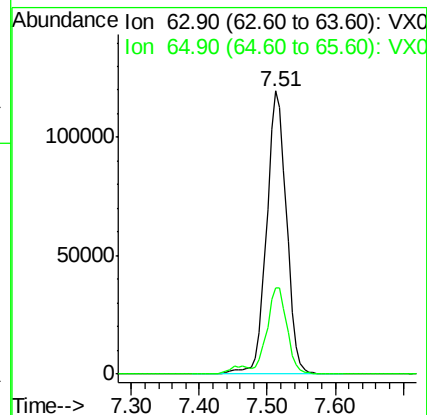
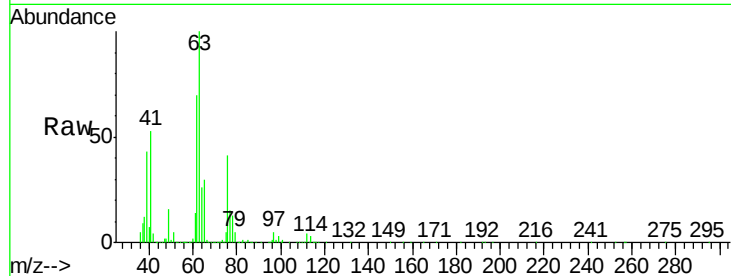
BFB

Tot Ion: 63 Resp: 246329

Ion Ratio Lower Upper

63 100

65 30.3 25.4 38.0



#46

Dibromomethane

Concen: 49.107 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

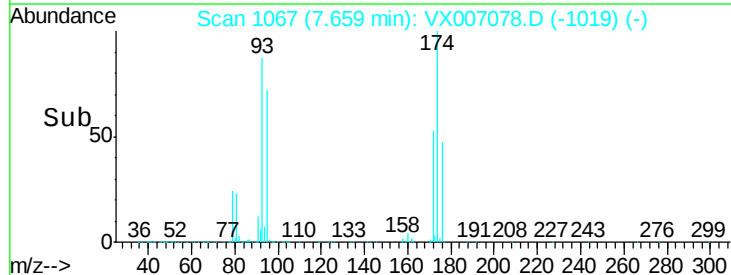
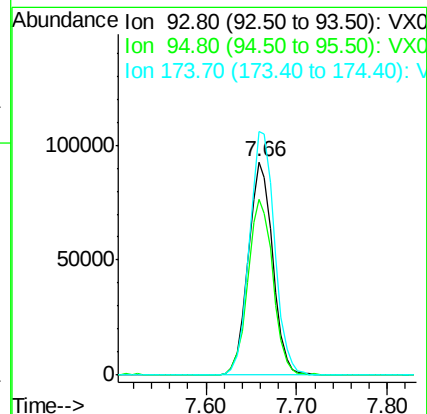
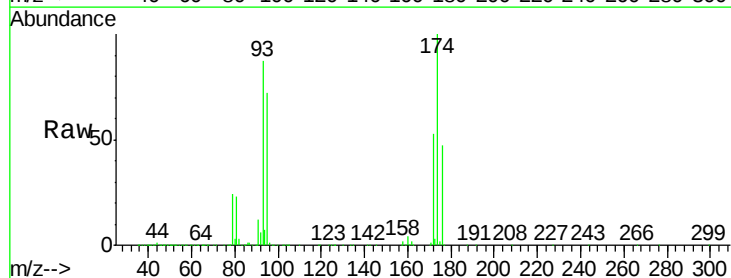
Tgt Ion: 93 Resp: 173176

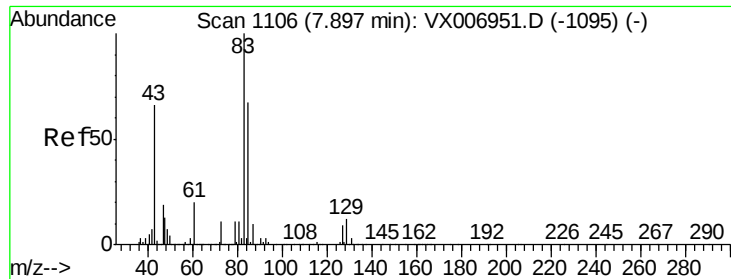
Ion Ratio Lower Upper

93 100

95 84.3 66.2 99.4

174 117.3 91.0 136.4





#47

Bromodichloromethane

Concen: 51.758 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

BFB

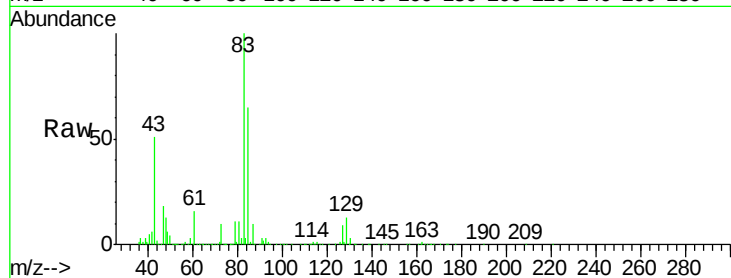
Tot Ion: 83 Resp: 310688

Ion Ratio Lower Upper

83 100

85 64.6 53.2 79.8

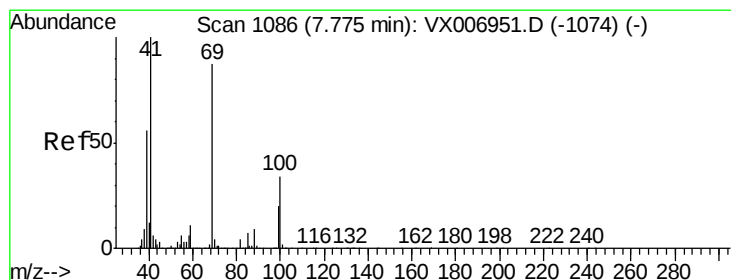
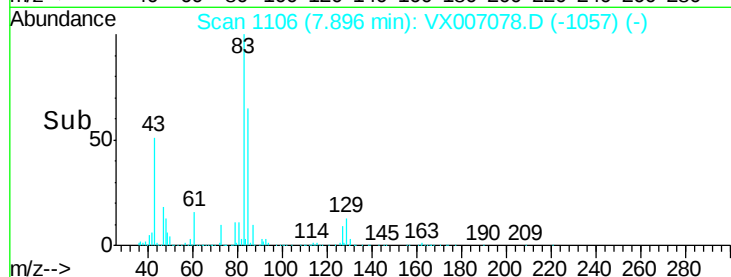
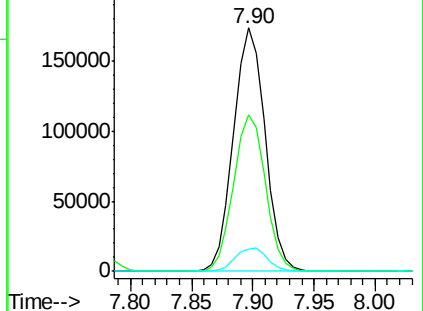
127 9.1 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.698 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

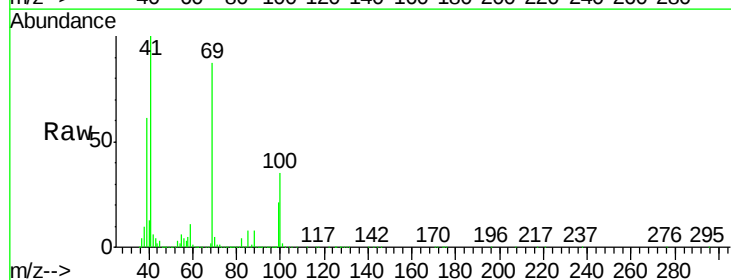
Tgt Ion: 41 Resp: 282317

Ion Ratio Lower Upper

41 100

69 87.5 72.4 108.6

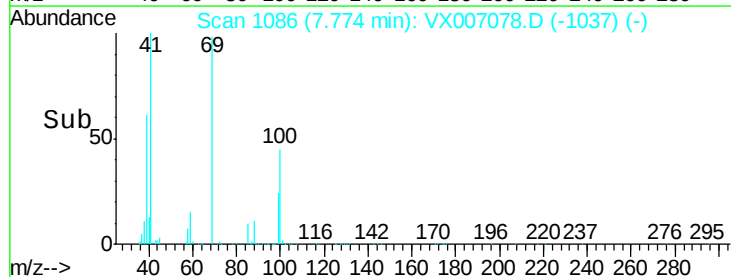
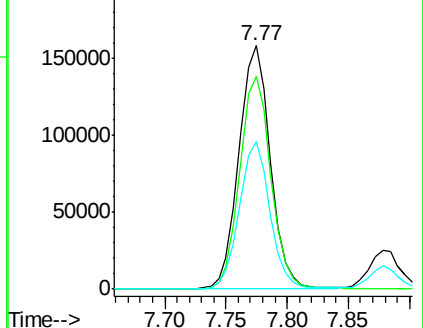
39 59.2 45.8 68.8

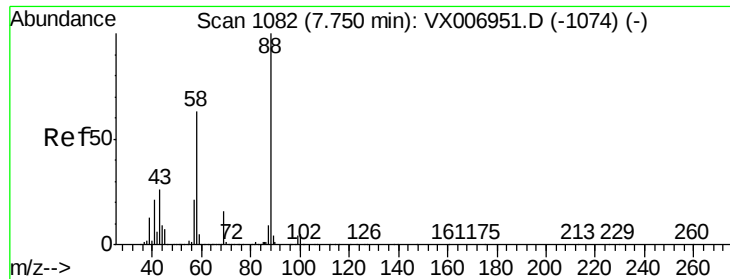


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

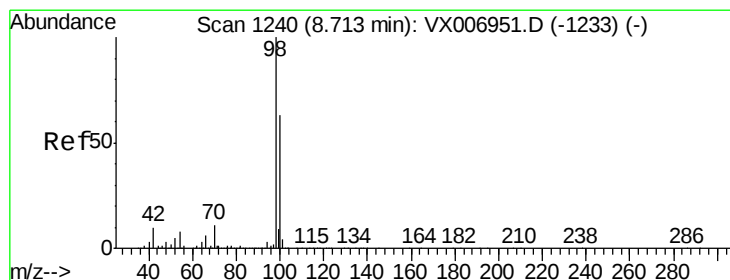
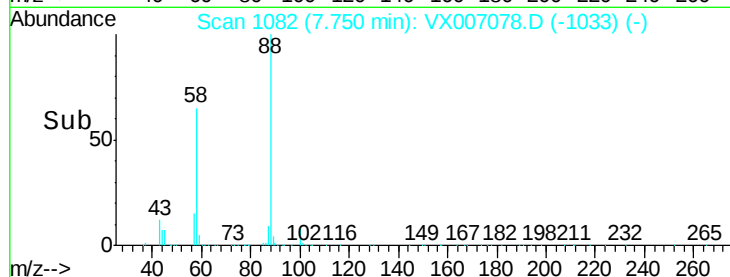
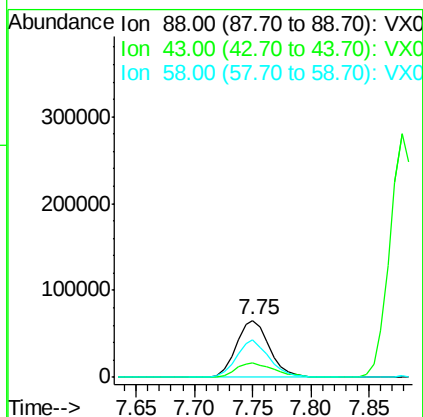
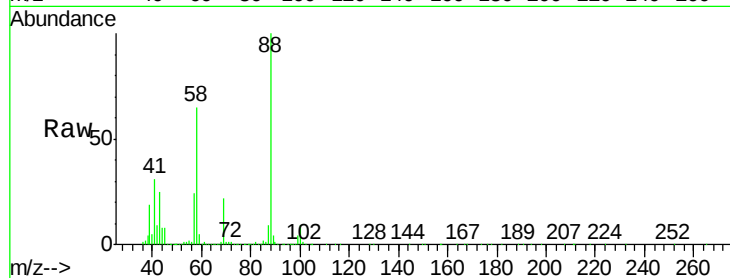




#49  
1,4-Dioxane  
Concen: 986.000 ug/l  
RT: 7.75 min Scan# 1082  
Delta R.T. 0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

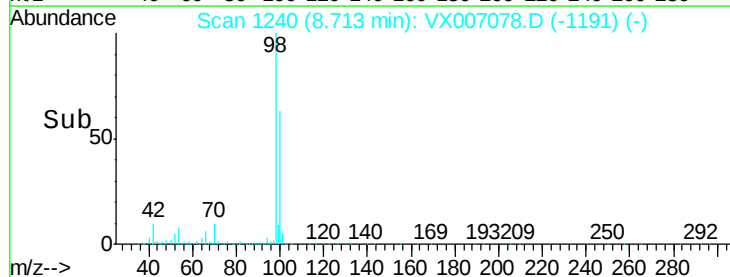
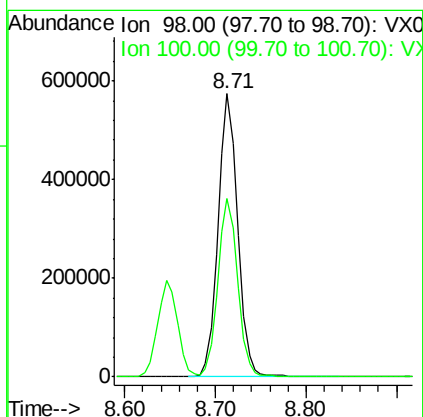
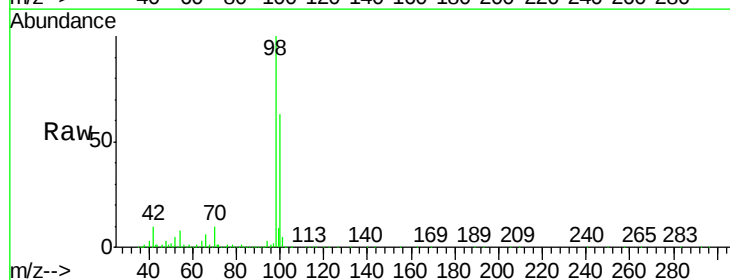
Instrument :  
MSVOA\_X  
ClientSampled :  
BFB

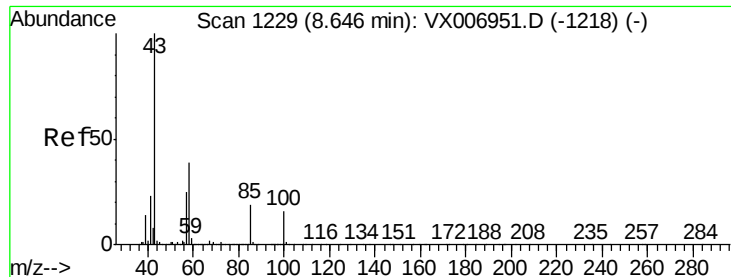
Tot Ion: 88 Resp: 127927  
Ion Ratio Lower Upper  
88 100  
43 29.7 22.2 33.4  
58 65.7 51.0 76.4



#50  
Toluene-d8  
Concen: 49.138 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Tgt Ion: 98 Resp: 866591  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 256.272 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampled :

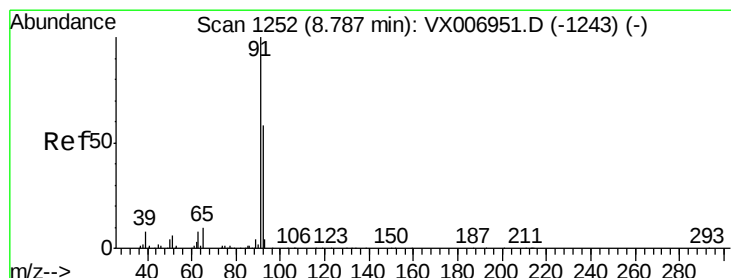
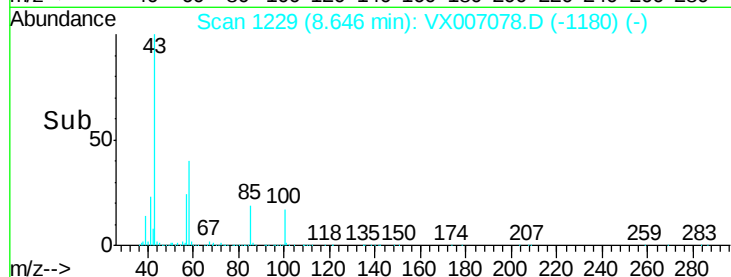
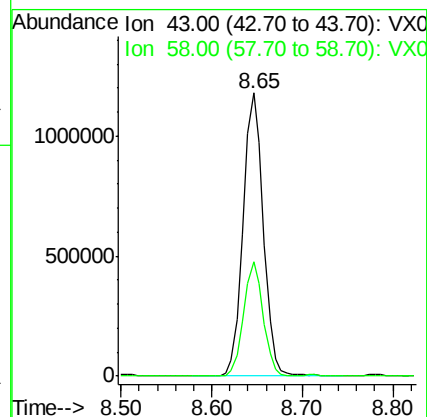
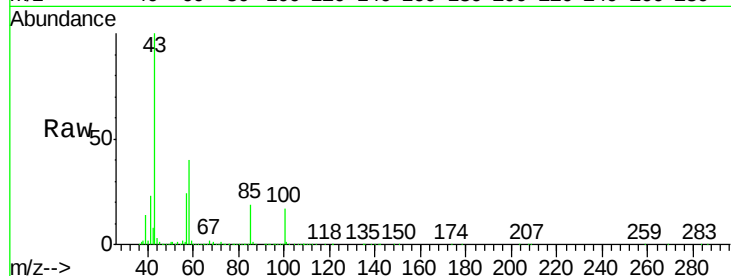
BFB

Tot Ion: 43 Resp: 1821817

Ion Ratio Lower Upper

43 100

58 39.2 31.8 47.6



#52

Toluene

Concen: 49.096 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007078.D

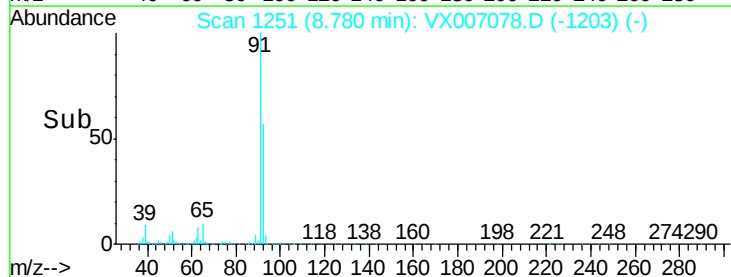
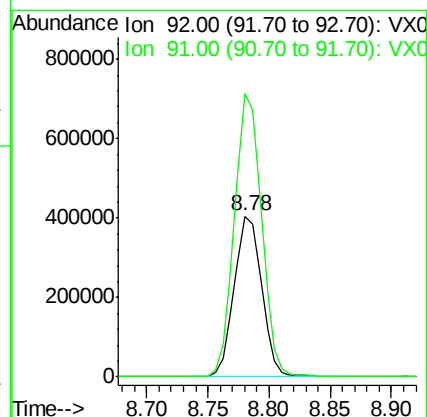
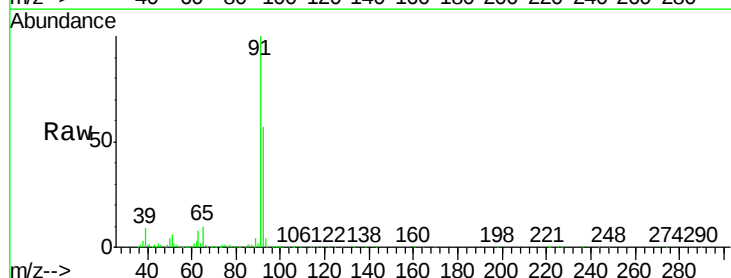
Acq: 17 Jan 2019 10:14

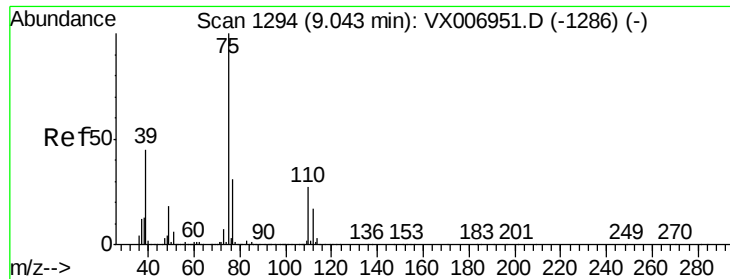
Tgt Ion: 92 Resp: 629832

Ion Ratio Lower Upper

92 100

91 175.1 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 52.386 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampled :

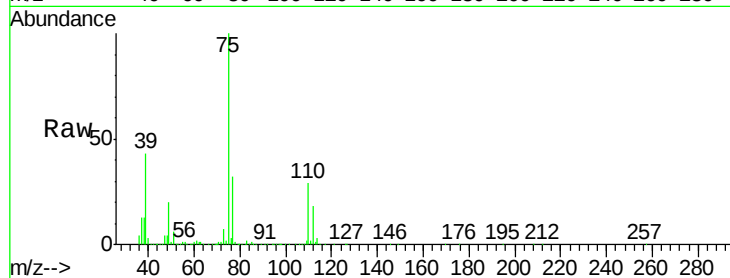
BFB

Tot Ion: 75 Resp: 348688

Ion Ratio Lower Upper

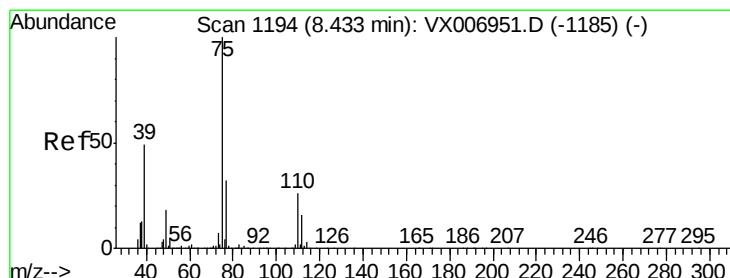
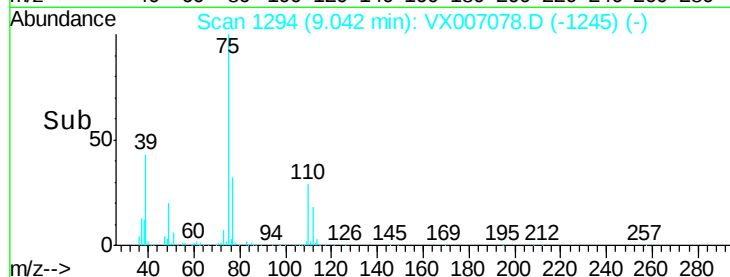
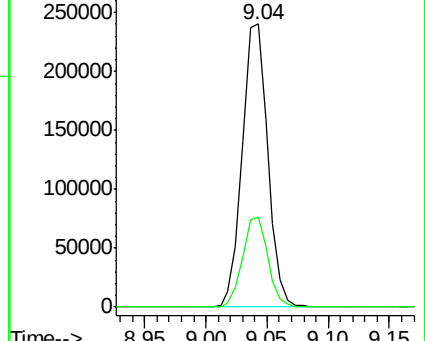
75 100

77 32.0 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 51.359 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

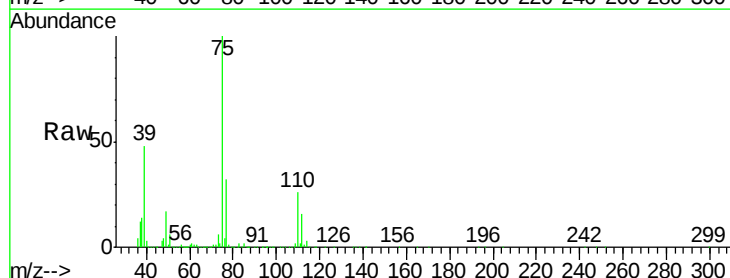
Tgt Ion: 75 Resp: 377525

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2

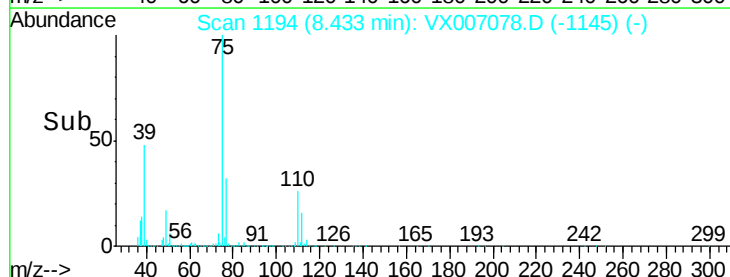
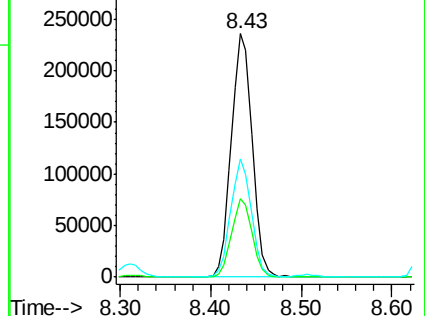
39 48.3 36.7 55.1

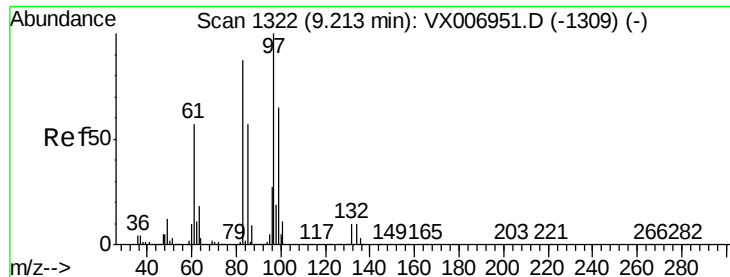


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 51.510 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampled :

BFB

Tot Ion: 97 Resp: 264492

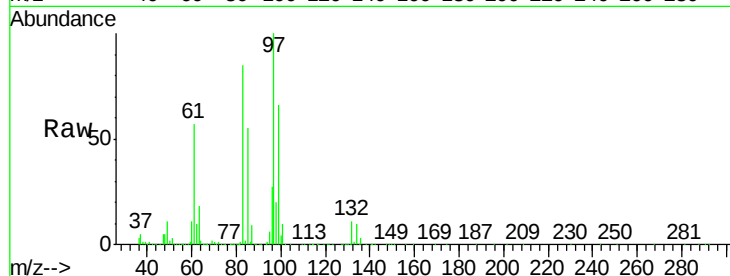
Ion Ratio Lower Upper

97 100

83 85.1 66.6 99.8

85 54.6 42.7 64.1

99 66.1 50.8 76.2

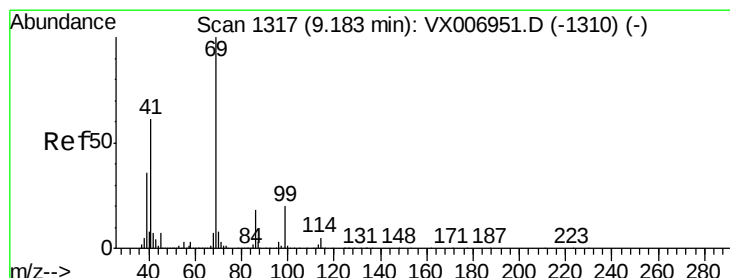
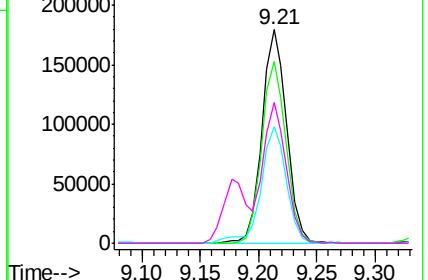
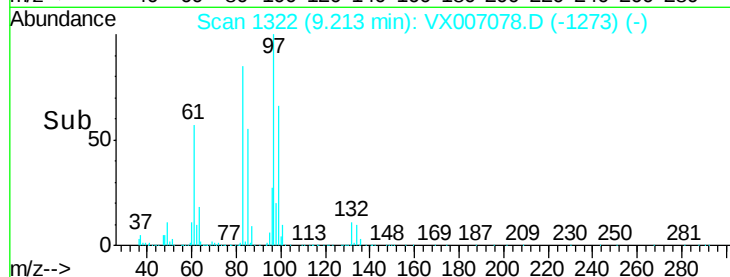


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 51.234 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

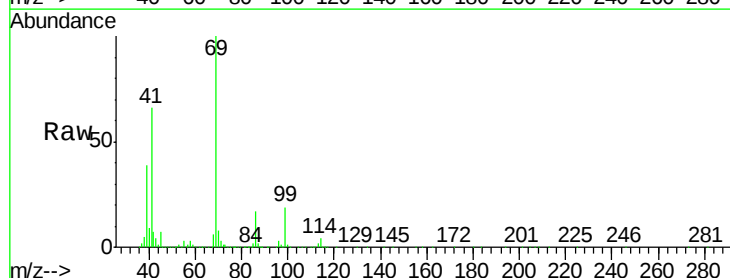
Tgt Ion: 69 Resp: 384055

Ion Ratio Lower Upper

69 100

41 65.2 48.7 73.1

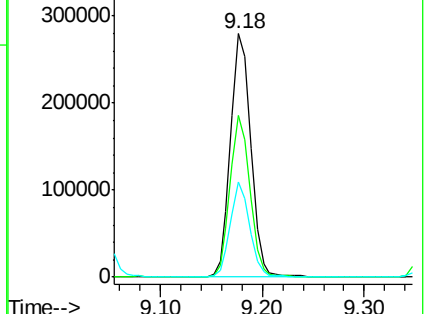
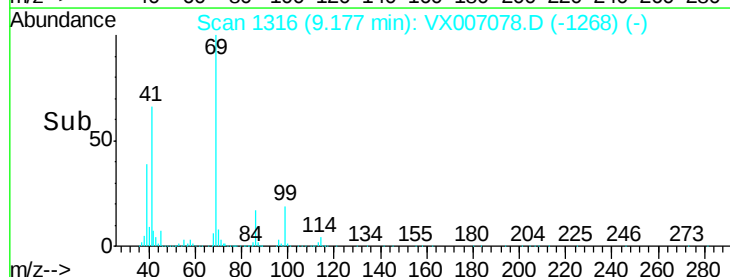
39 37.4 27.0 40.6

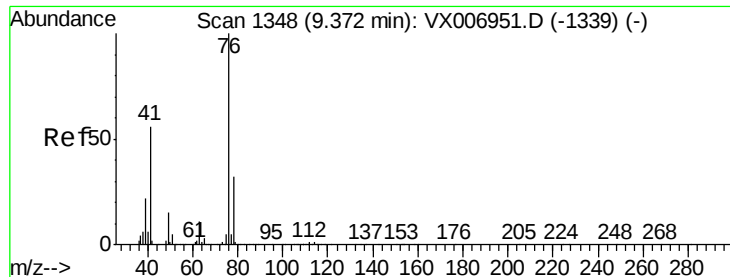


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

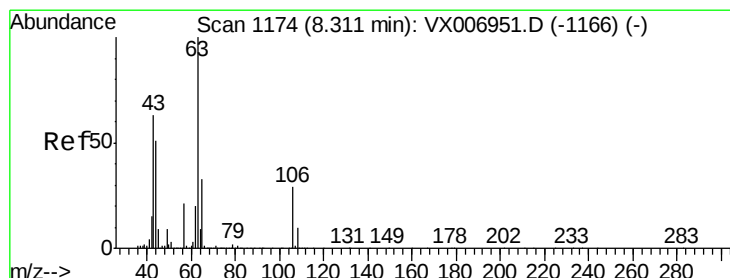
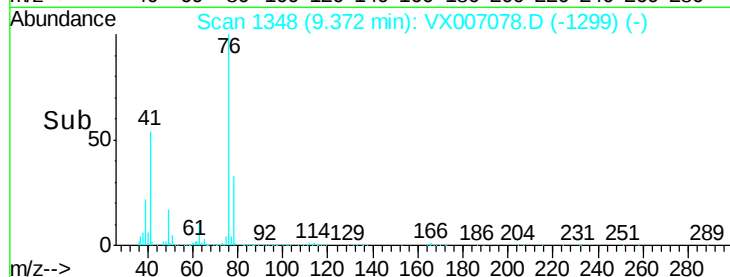
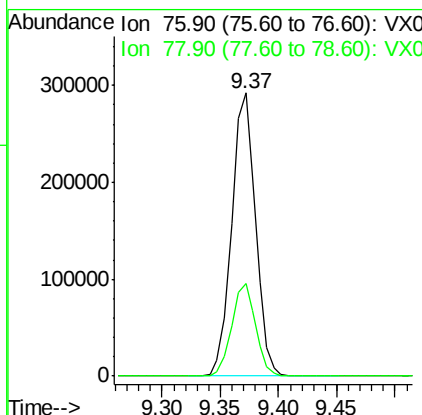
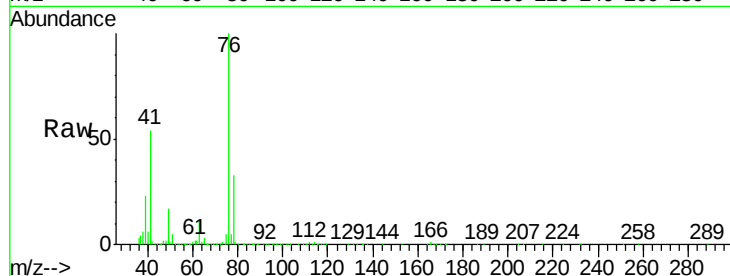




#57  
 1,3-Dichloropropane  
 Concen: 49.666 ug/l  
 RT: 9.37 min Scan# 1348  
 Delta R.T. -0.00 min  
 Lab File: VX007078.D  
 Acq: 17 Jan 2019 10:14

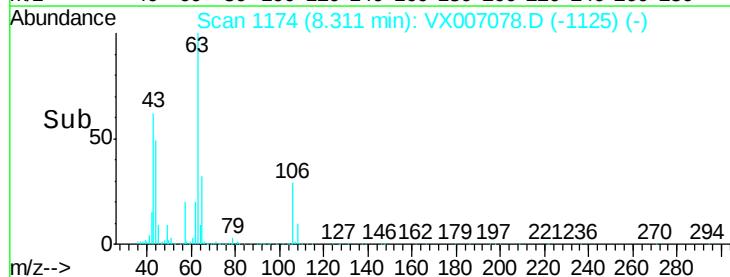
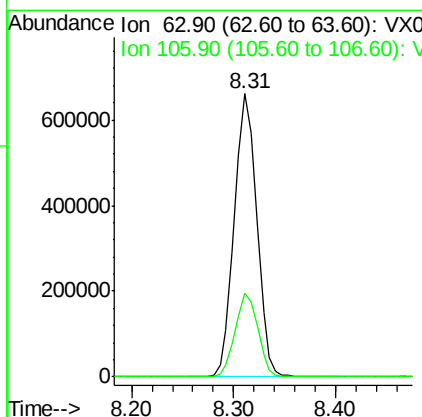
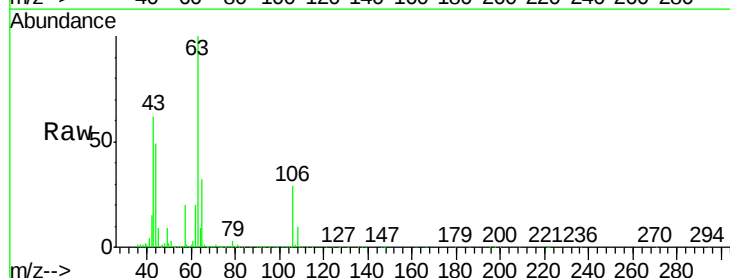
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BFB

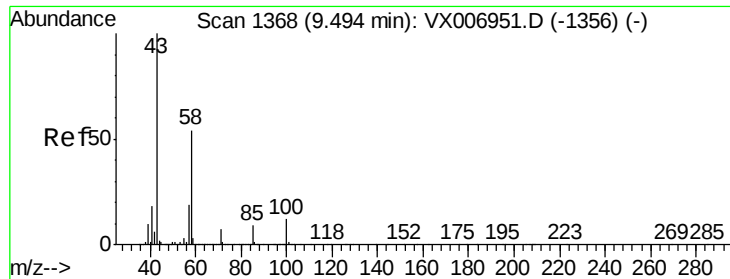
Tot Ion: 76 Resp: 417801  
 Ion Ratio Lower Upper  
 76 100  
 78 32.9 26.0 39.0



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 260.972 ug/l  
 RT: 8.31 min Scan# 1174  
 Delta R.T. -0.00 min  
 Lab File: VX007078.D  
 Acq: 17 Jan 2019 10:14

Tgt Ion: 63 Resp: 1005827  
 Ion Ratio Lower Upper  
 63 100  
 106 29.9 24.6 36.8

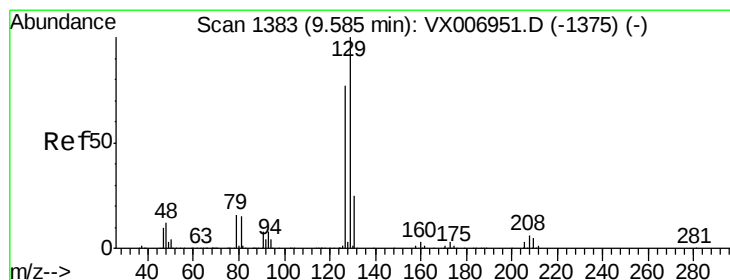
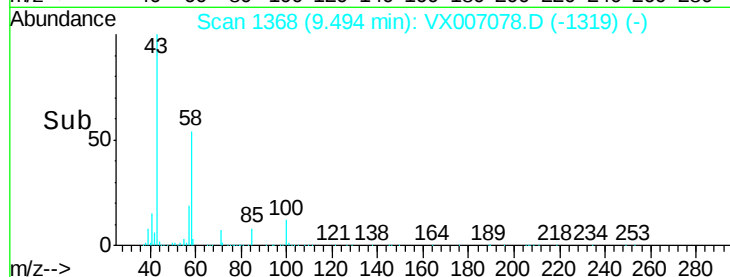
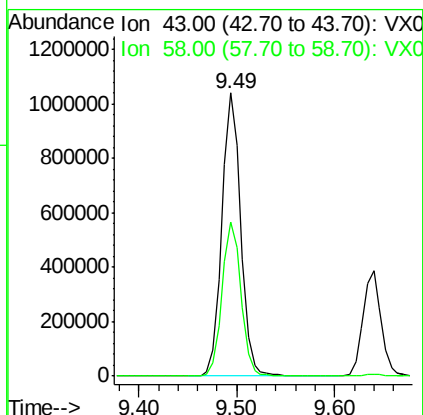
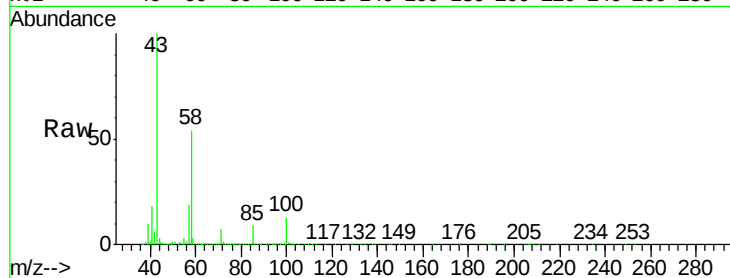




#59  
2-Hexanone  
Concen: 256.611 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

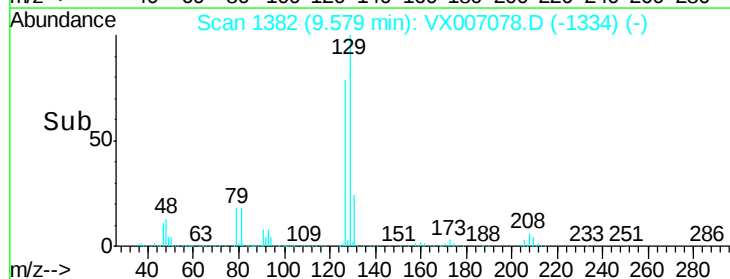
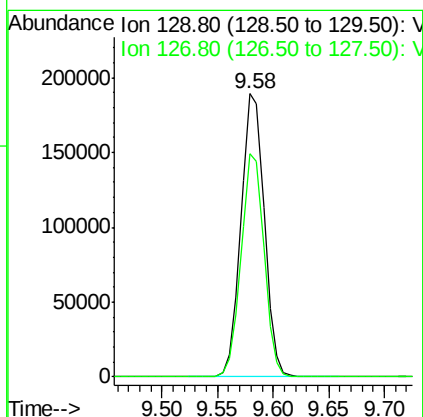
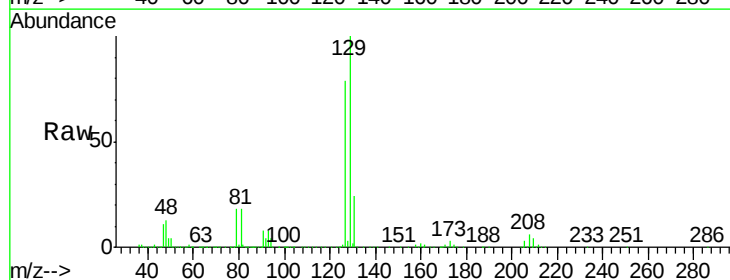
Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

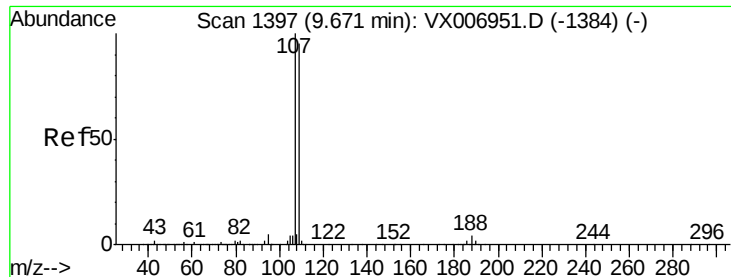
Tot Ion: 43 Resp: 1390165  
Ion Ratio Lower Upper  
43 100  
58 55.0 27.7 83.1



#60  
Dibromochloromethane  
Concen: 55.296 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. -0.01 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Tgt Ion: 129 Resp: 275704  
Ion Ratio Lower Upper  
129 100  
127 77.5 39.3 117.8





#61

1,2-Dibromoethane

Concen: 49.941 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

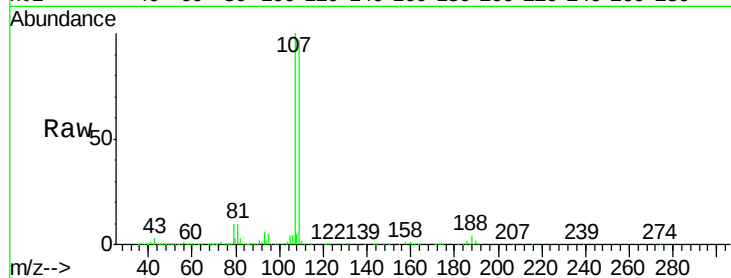
BFB

Tot Ion:107 Resp: 282307

Ion Ratio Lower Upper

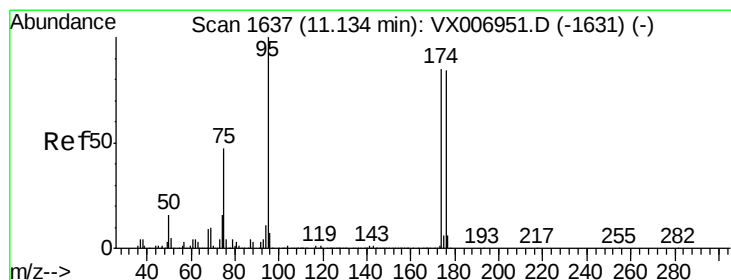
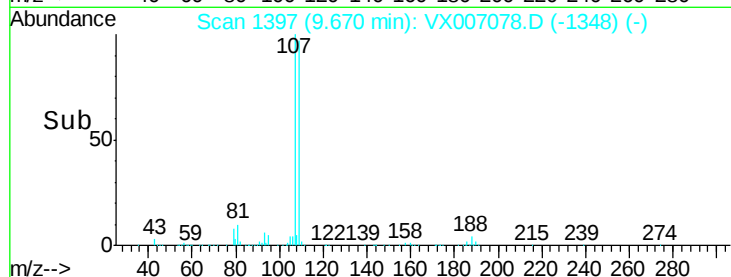
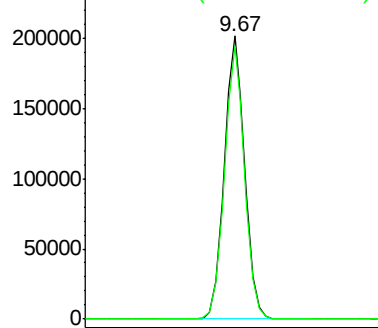
107 100

109 95.3 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.165 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

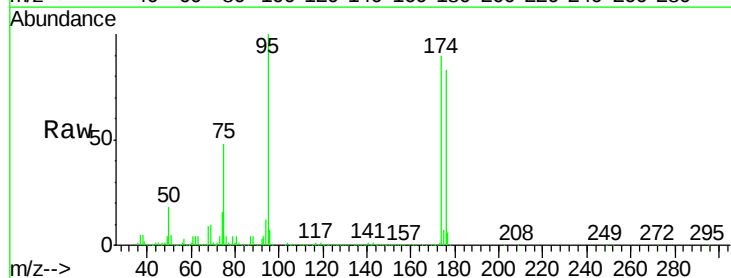
Tgt Ion: 95 Resp: 320725

Ion Ratio Lower Upper

95 100

174 93.8 0.0 182.2

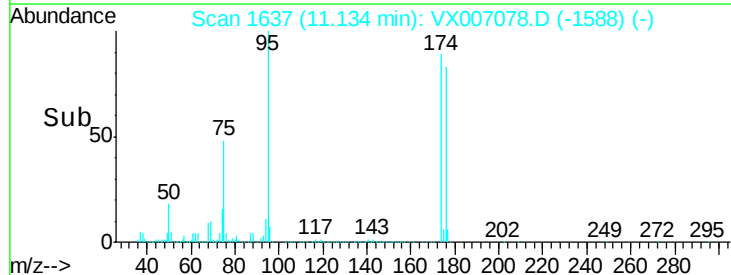
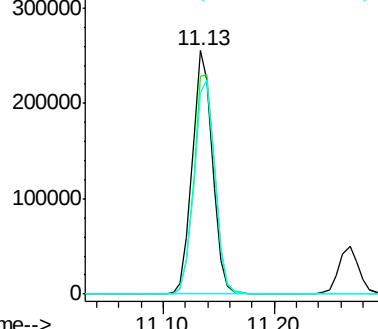
176 90.0 0.0 178.8

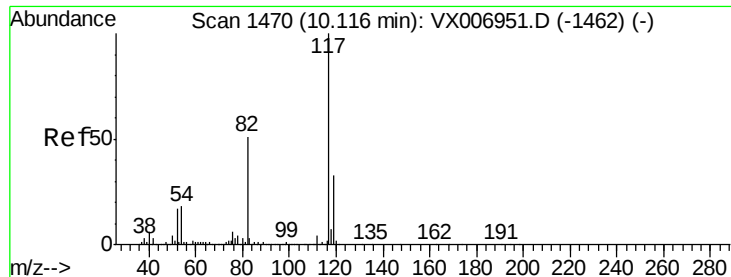


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

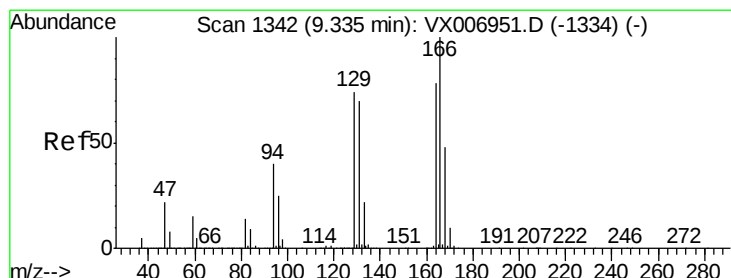
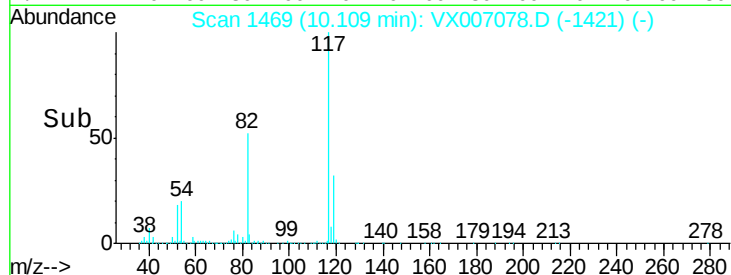
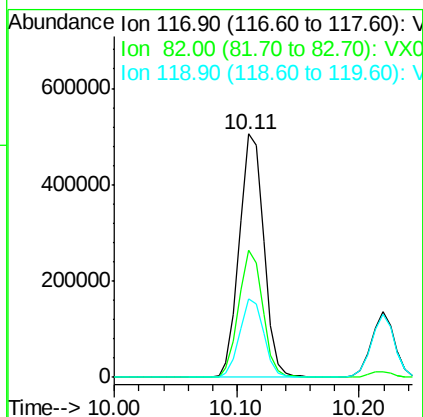
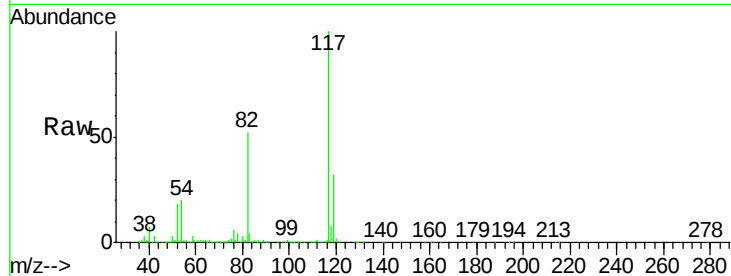




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

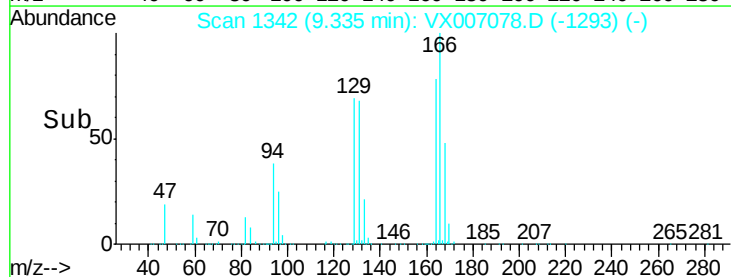
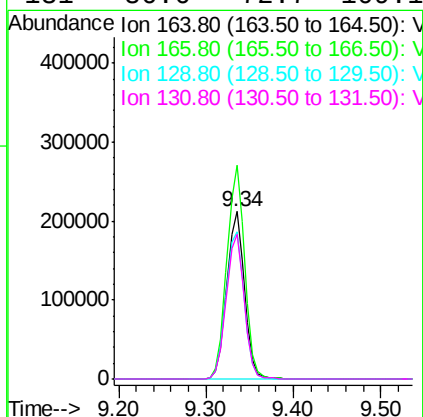
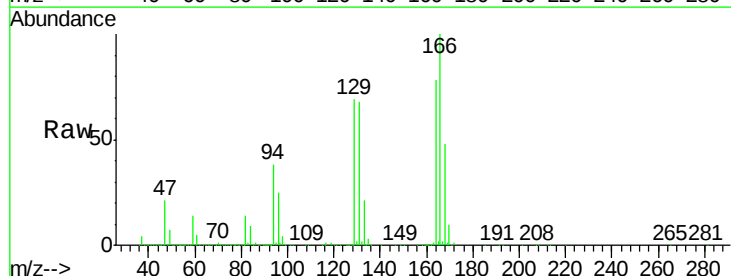
Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

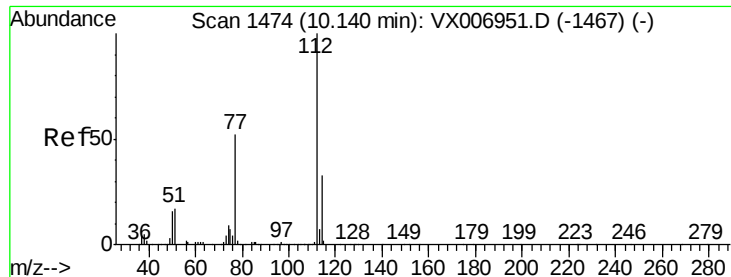
Tot Ion:117 Resp: 701450  
Ion Ratio Lower Upper  
117 100  
82 52.2 41.0 61.6  
119 32.1 25.4 38.0



#64  
Tetrachloroethene  
Concen: 49.049 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Tgt Ion:164 Resp: 297872  
Ion Ratio Lower Upper  
164 100  
166 127.8 102.5 153.7  
129 88.4 75.1 112.7  
131 86.6 72.7 109.1





#65

Chlorobenzene

Concen: 48.595 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

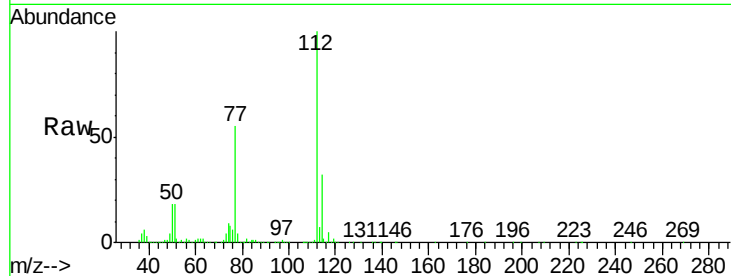
BFB

Tot Ion:112 Resp: 743458

Ion Ratio Lower Upper

112 100

114 32.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

600000

500000

400000

300000

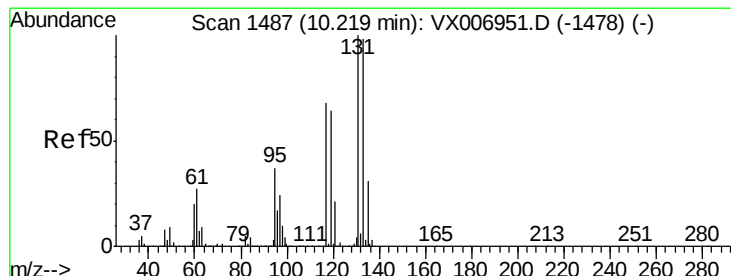
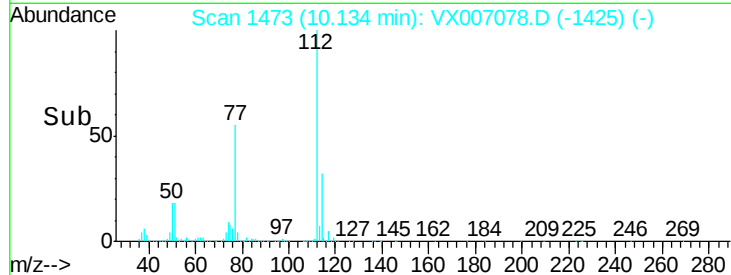
200000

100000

0

Time-->

10.00 10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 52.013 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

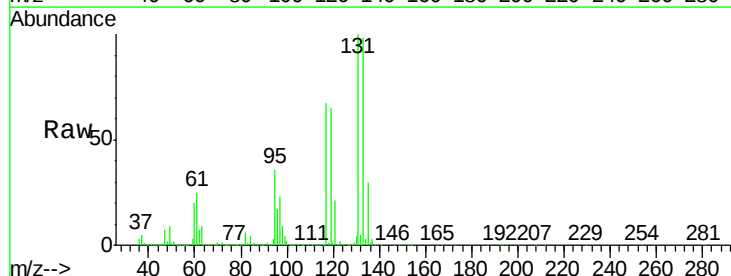
Tgt Ion:131 Resp: 267688

Ion Ratio Lower Upper

131 100

133 95.5 48.0 144.2

119 64.3 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

250000

200000

150000

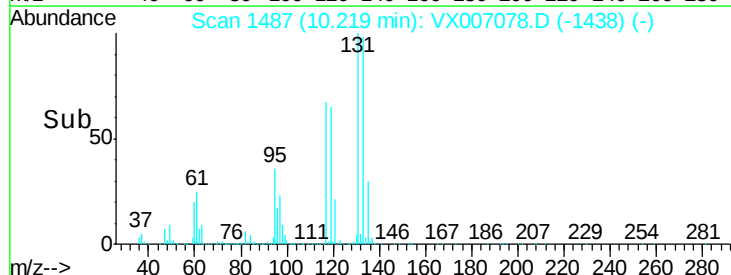
100000

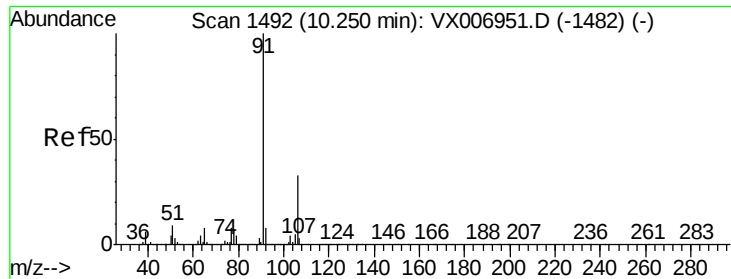
50000

0

Time-->

10.20 10.30





#67

Ethyl Benzene

Concen: 49.148 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampled :

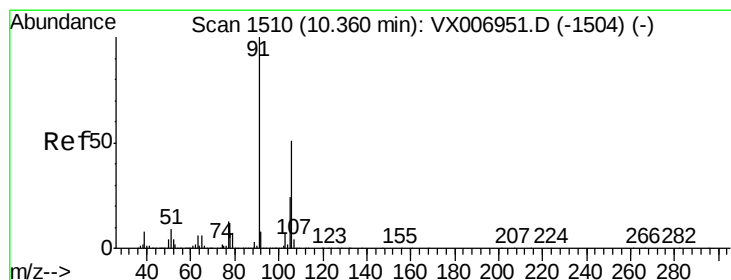
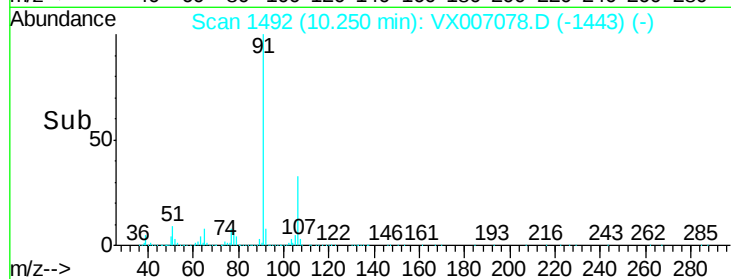
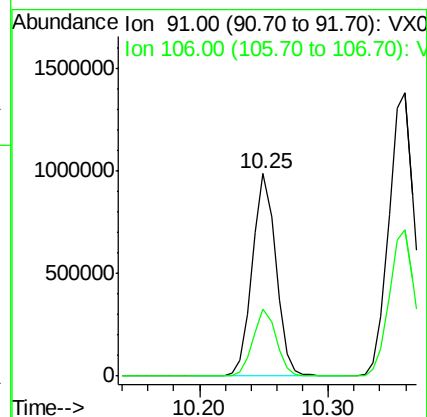
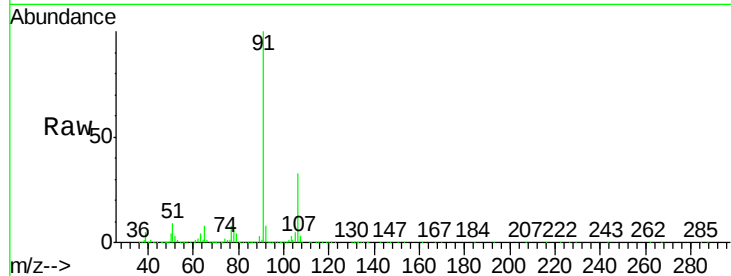
BFB

Tot Ion: 91 Resp: 1241331

Ion Ratio Lower Upper

91 100

106 33.1 26.4 39.6



#68

m/p-Xylenes

Concen: 99.132 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007078.D

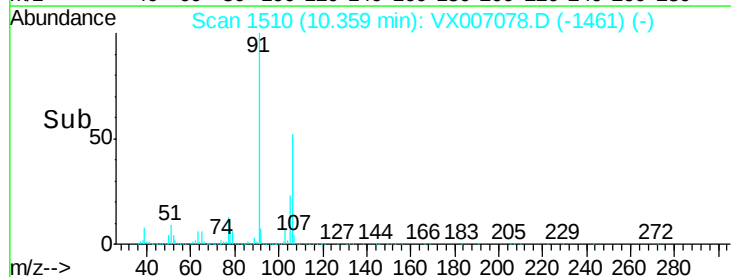
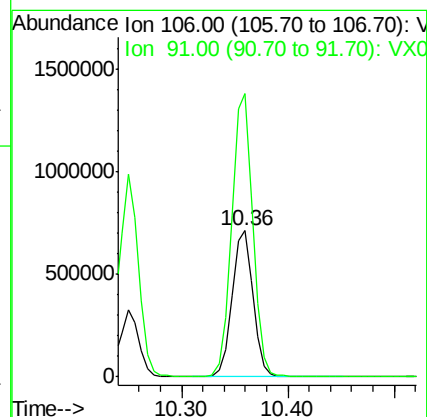
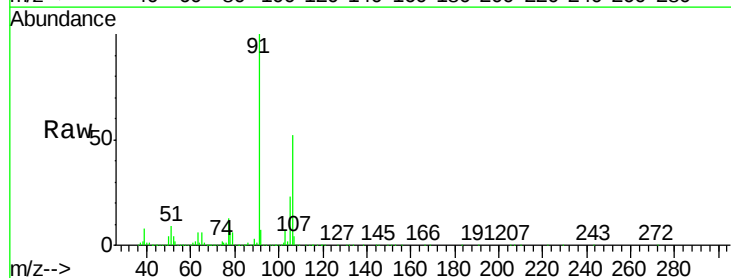
Acq: 17 Jan 2019 10:14

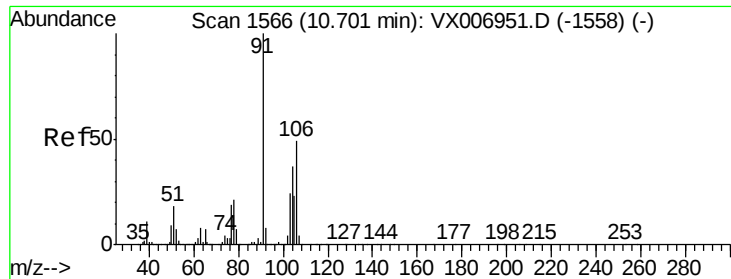
Tgt Ion: 106 Resp: 986445

Ion Ratio Lower Upper

106 100

91 194.8 155.8 233.6

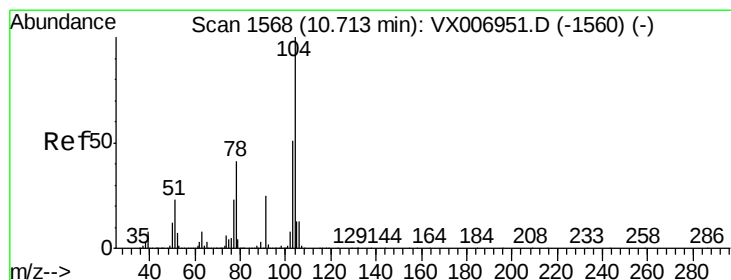
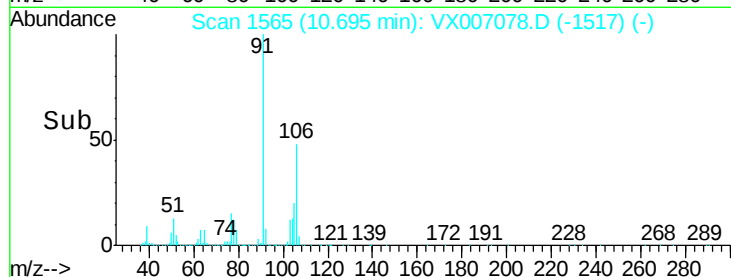
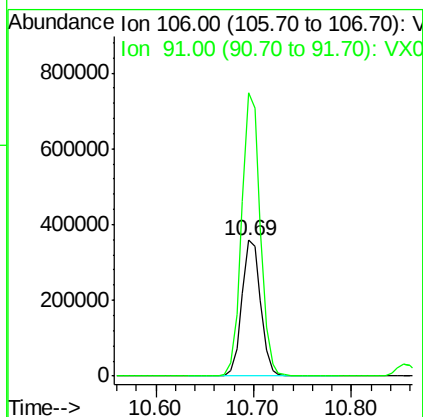
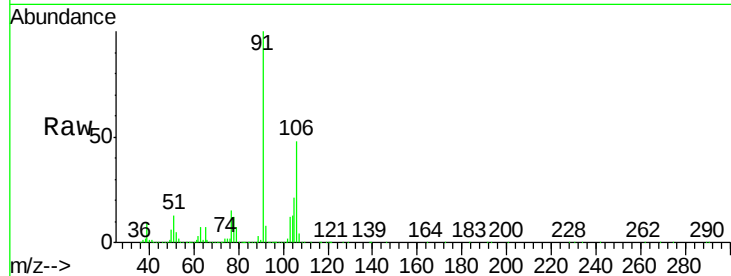




#69  
o-Xylene  
Concen: 49.042 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

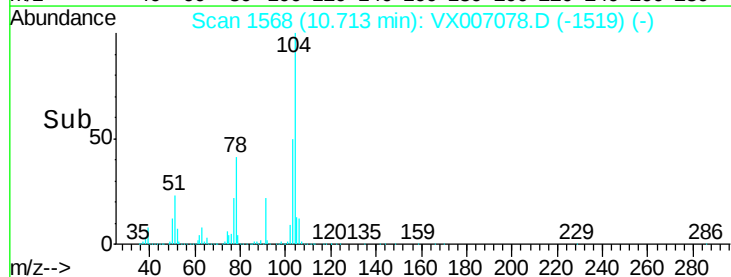
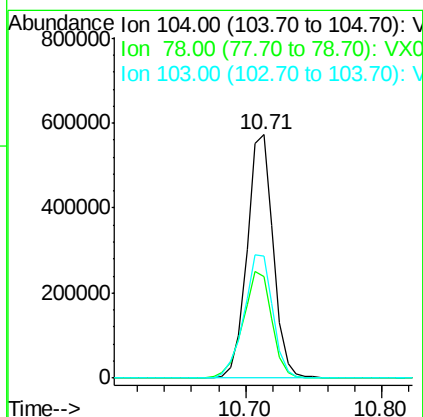
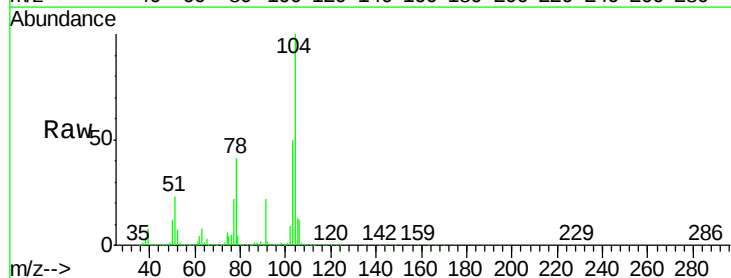
Instrument :  
MSVOA\_X  
ClientSampled :  
BFB

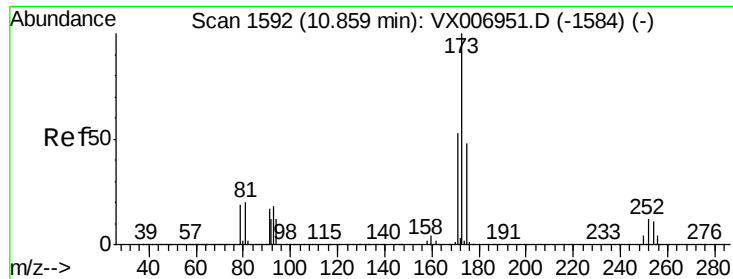
Tot Ion:106 Resp: 475929  
Ion Ratio Lower Upper  
106 100  
91 206.6 101.3 303.7



#70  
Styrene  
Concen: 50.087 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Tgt Ion:104 Resp: 769831  
Ion Ratio Lower Upper  
104 100  
78 48.5 37.7 56.5  
103 55.9 43.8 65.8





#71

Bromoform

Concen: 45.588 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

BFB

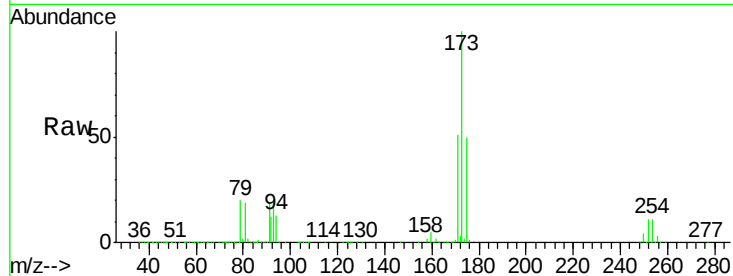
Tot Ion:173 Resp: 207789

Ion Ratio Lower Upper

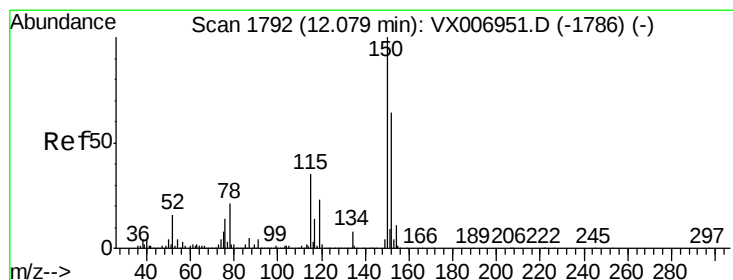
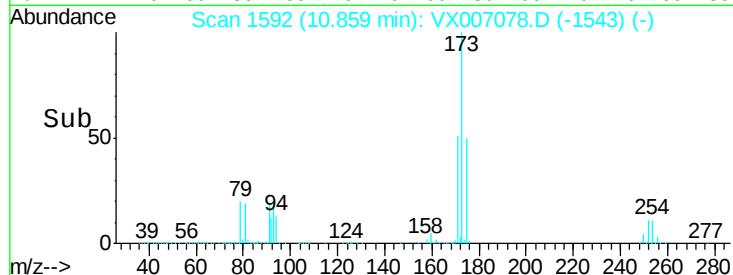
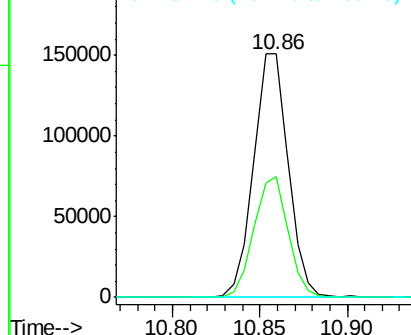
173 100

175 49.1 24.7 74.1

254 0.1 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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

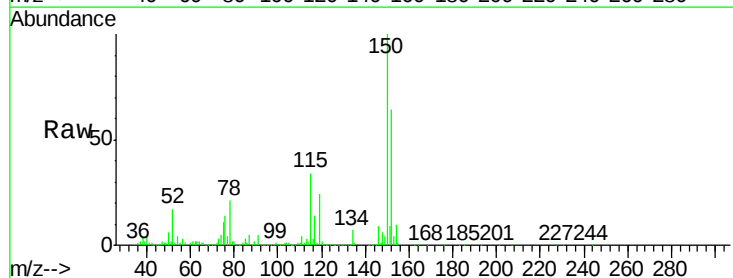
Tgt Ion:152 Resp: 374502

Ion Ratio Lower Upper

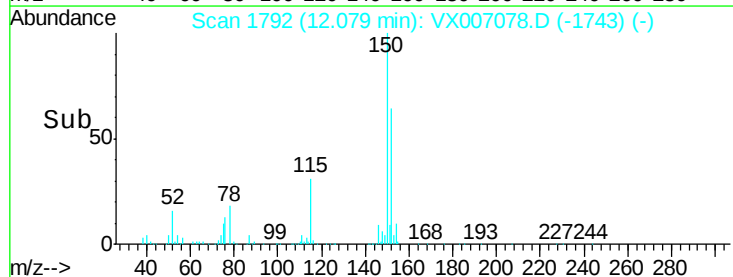
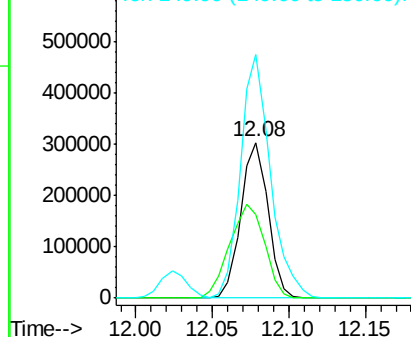
152 100

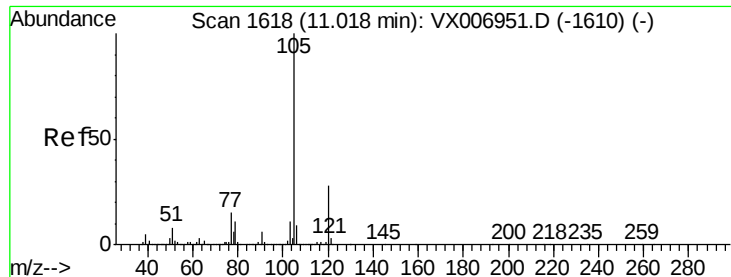
115 77.5 39.1 117.2

150 172.5 0.0 344.8



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: 48.512 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

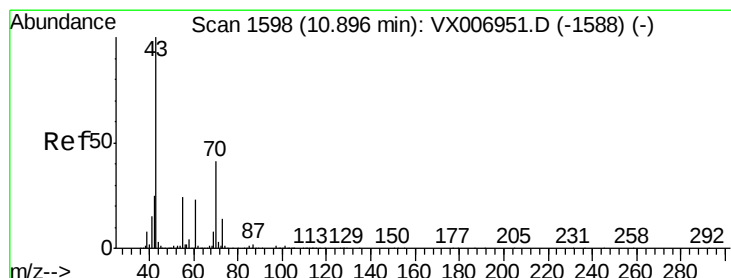
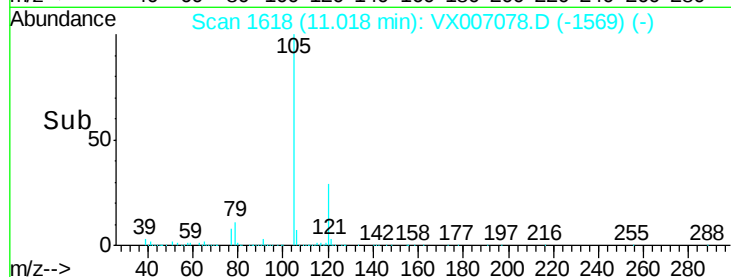
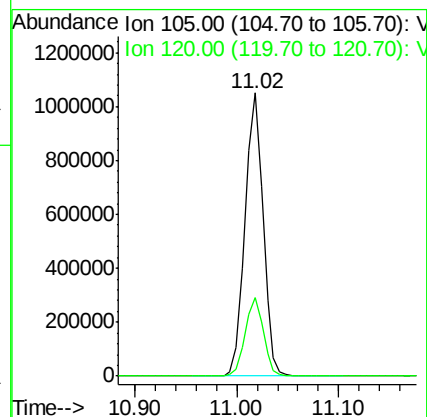
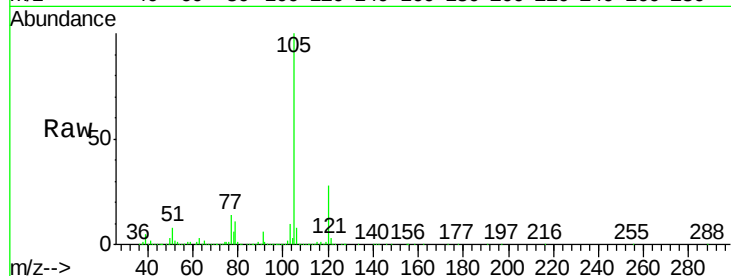
BFB

Tot Ion:105 Resp: 1281098

Ion Ratio Lower Upper

105 100

120 27.9 14.1 42.4



#74

N-ethyl acetate

Concen: 47.291 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Tgt Ion: 43 Resp: 502811

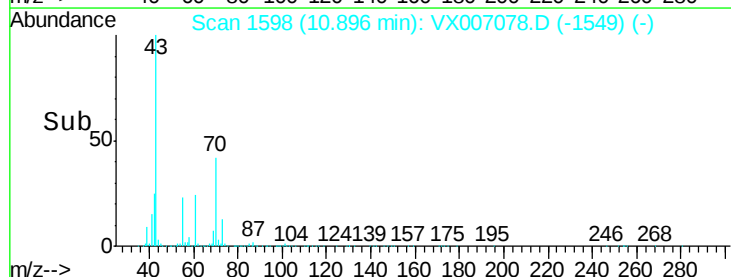
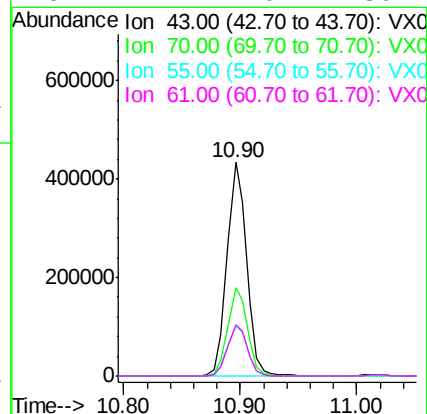
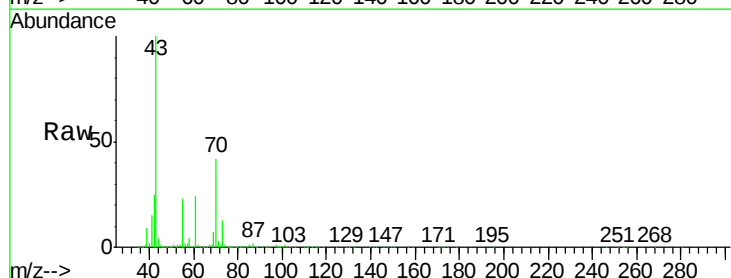
Ion Ratio Lower Upper

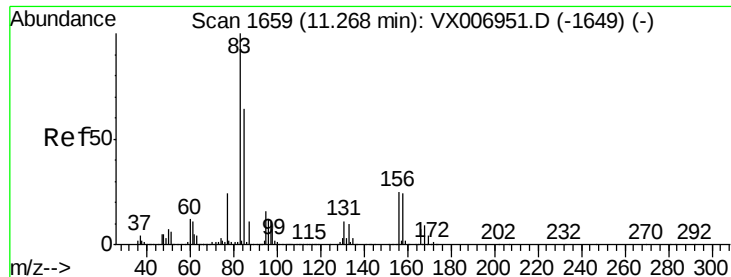
43 100

70 41.8 35.8 53.8

55 24.3 19.4 29.0

61 24.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 46.188 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampled :

BFB

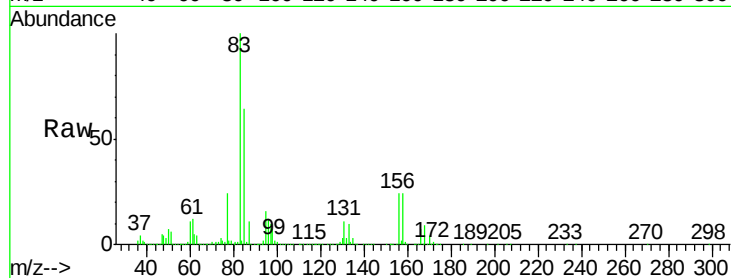
Tot Ion: 83 Resp: 387219

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.1

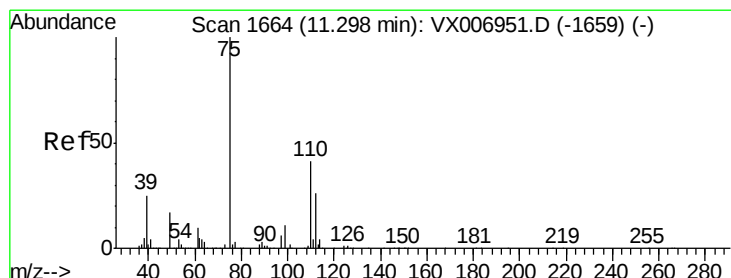
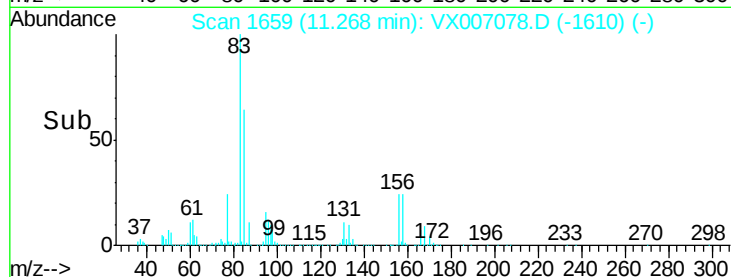
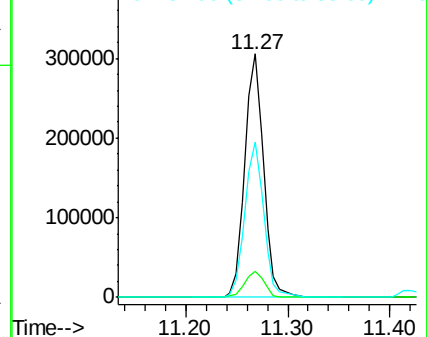
85 64.2 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 58.871 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007078.D

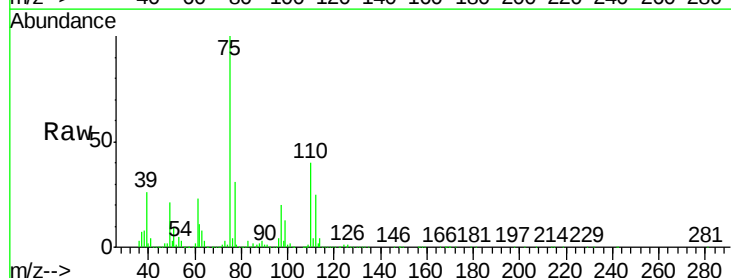
Acq: 17 Jan 2019 10:14

Tgt Ion: 75 Resp: 446782

Ion Ratio Lower Upper

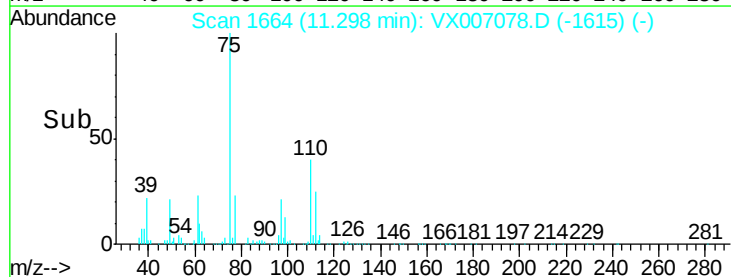
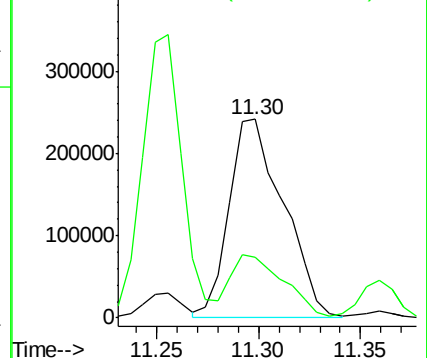
75 100

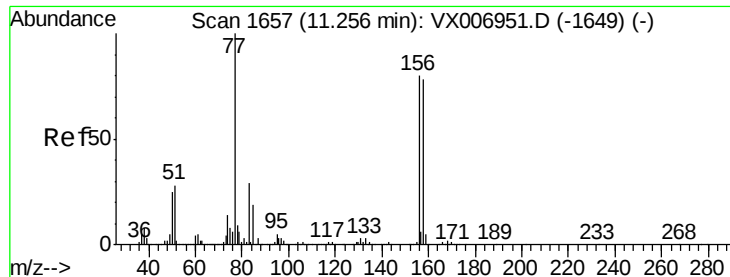
77 30.6 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.460 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

BFB

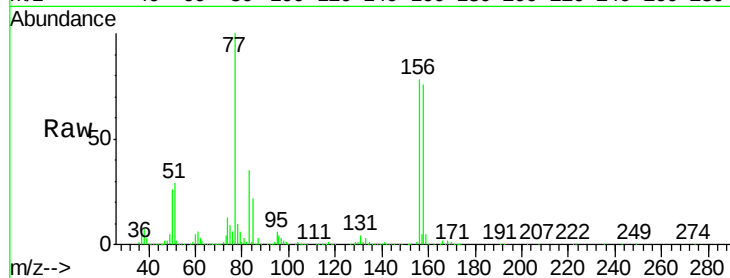
Tot Ion:156 Resp: 345332

Ion Ratio Lower Upper

156 100

77 135.4 68.0 204.0

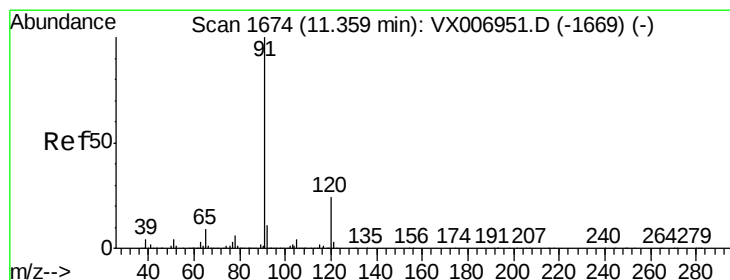
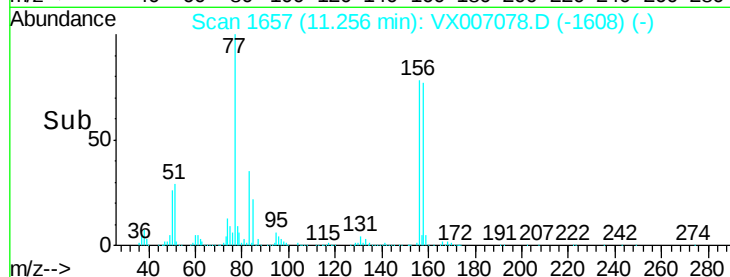
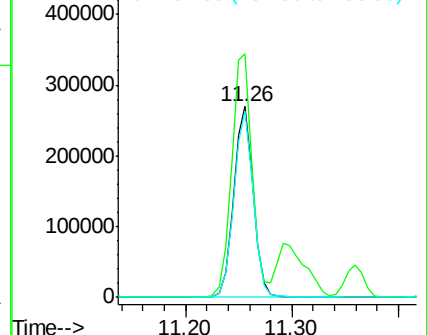
158 97.2 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.072 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007078.D

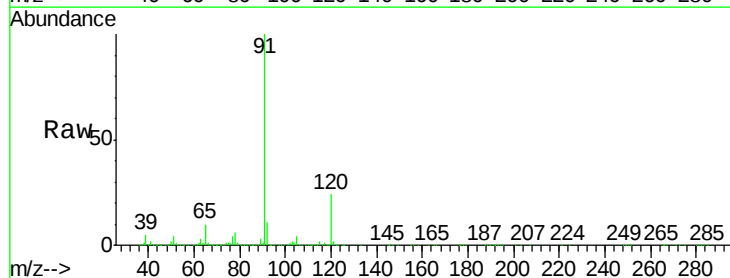
Acq: 17 Jan 2019 10:14

Tgt Ion: 91 Resp: 1451580

Ion Ratio Lower Upper

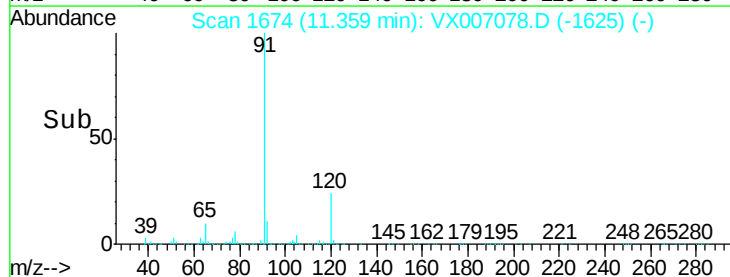
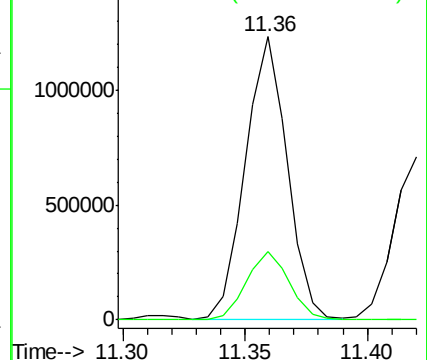
91 100

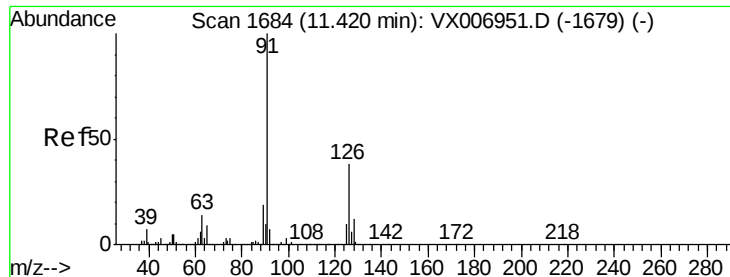
120 24.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.250 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

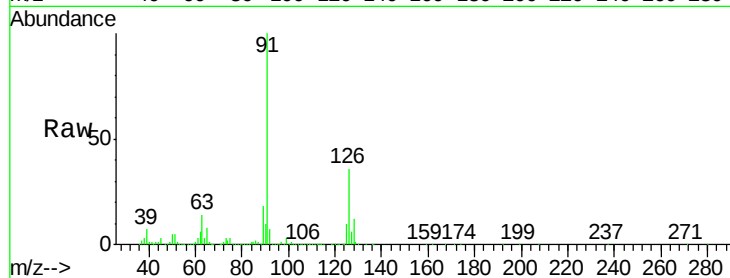
BFB

Tot Ion: 91 Resp: 841993

Ion Ratio Lower Upper

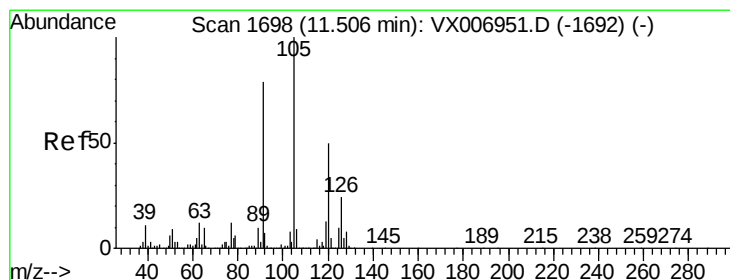
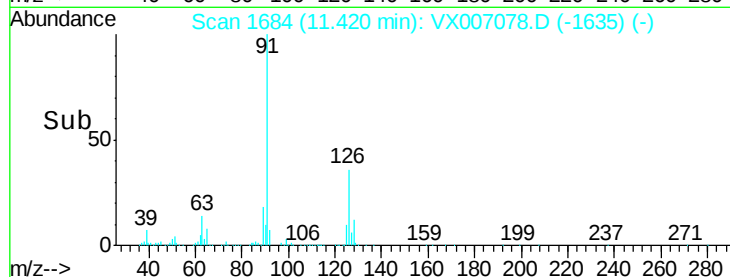
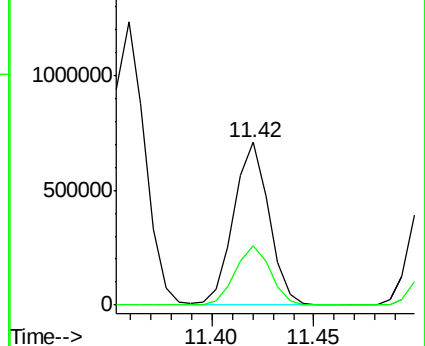
91 100

126 37.1 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.189 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007078.D

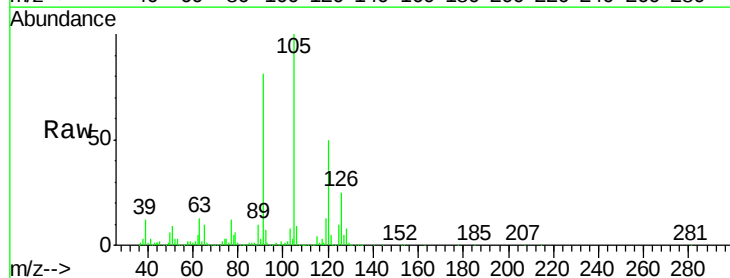
Acq: 17 Jan 2019 10:14

Tgt Ion:105 Resp: 1063316

Ion Ratio Lower Upper

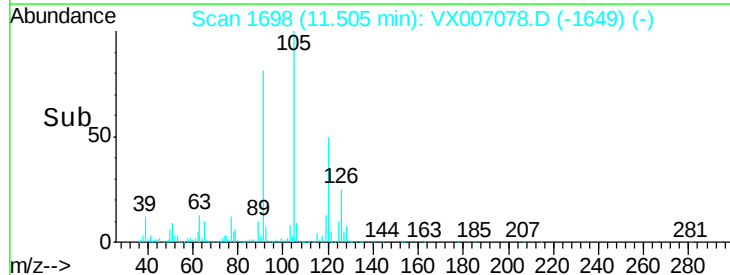
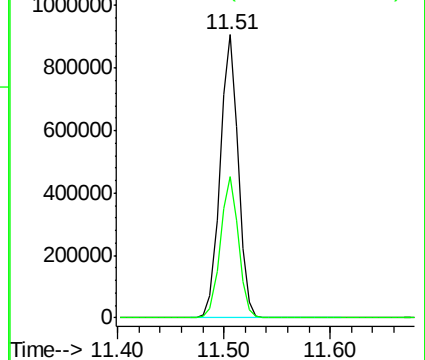
105 100

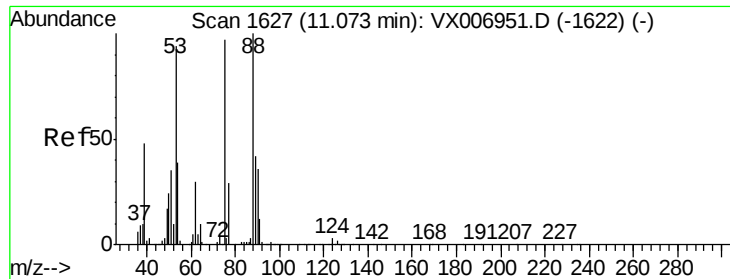
120 49.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 44.106 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

BFB

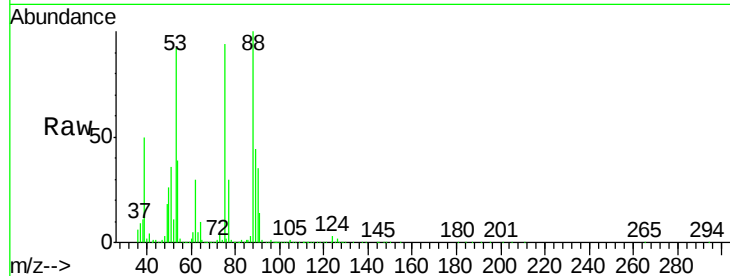
Tot Ion: 75 Resp: 109703

Ion Ratio Lower Upper

75 100

53 99.4 79.7 119.5

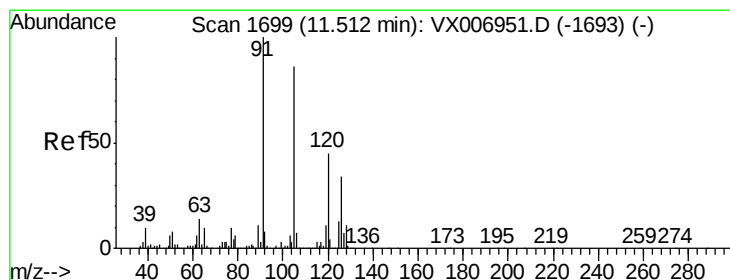
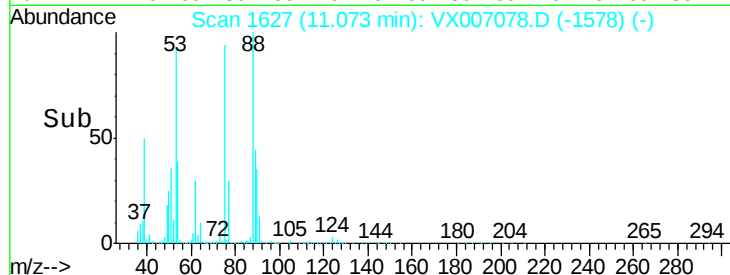
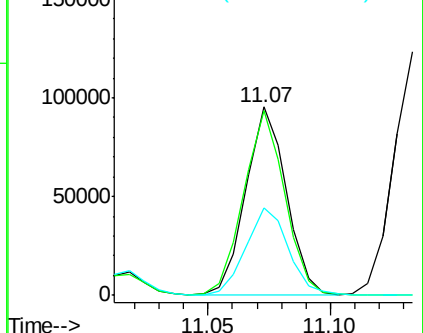
89 49.6 38.0 57.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.721 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007078.D

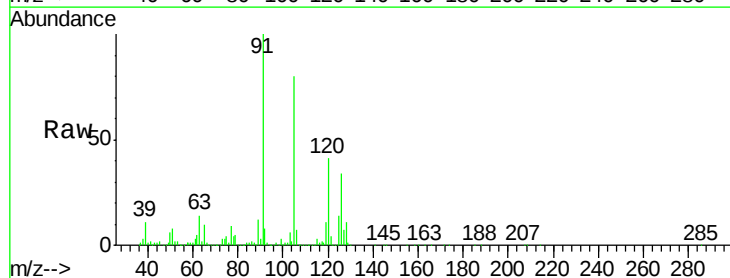
Acq: 17 Jan 2019 10:14

Tgt Ion: 91 Resp: 984417

Ion Ratio Lower Upper

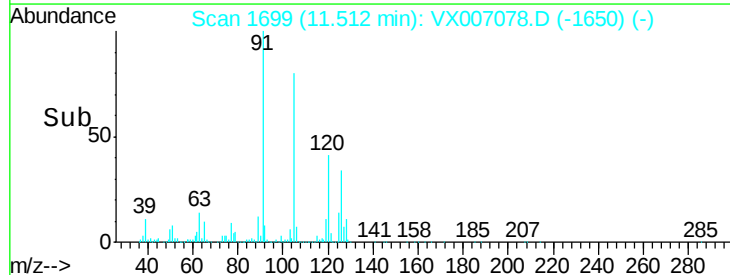
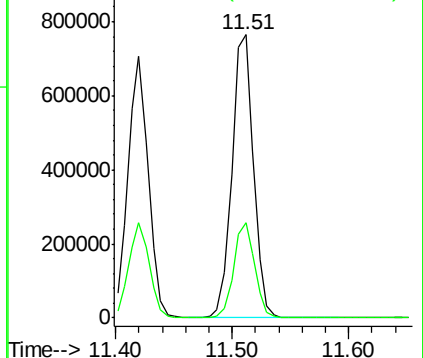
91 100

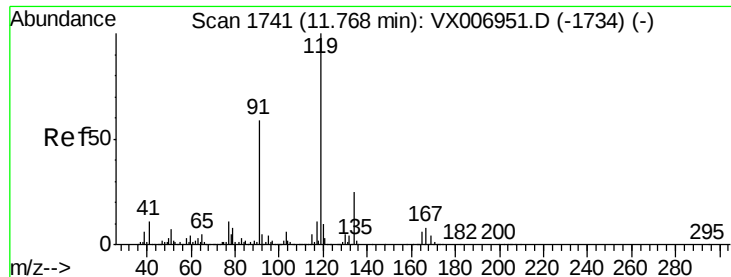
126 32.7 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 47.727 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

BFB

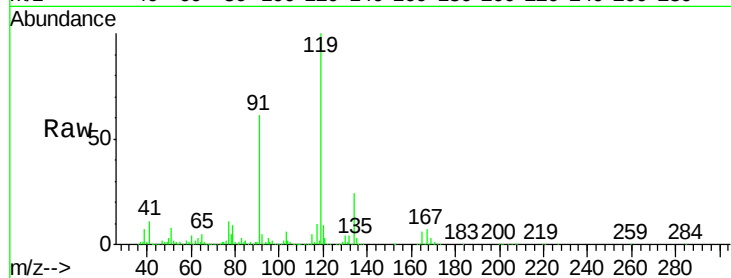
Tot Ion:119 Resp: 1050740

Ion Ratio Lower Upper

119 100

91 56.9 27.7 83.1

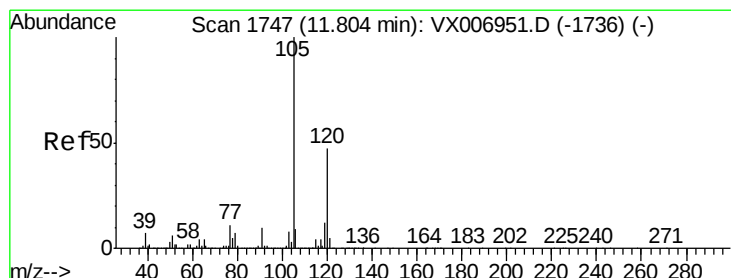
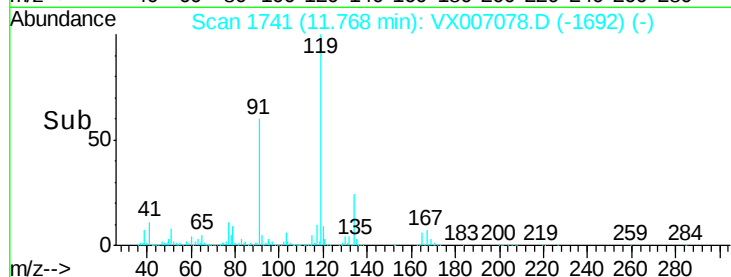
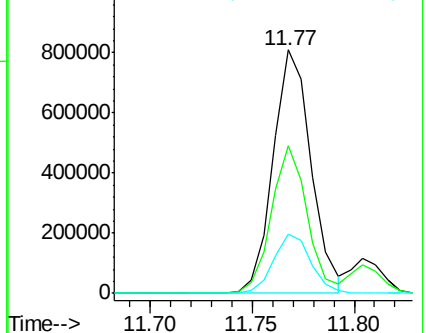
134 23.8 11.9 35.5



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: 49.342 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007078.D

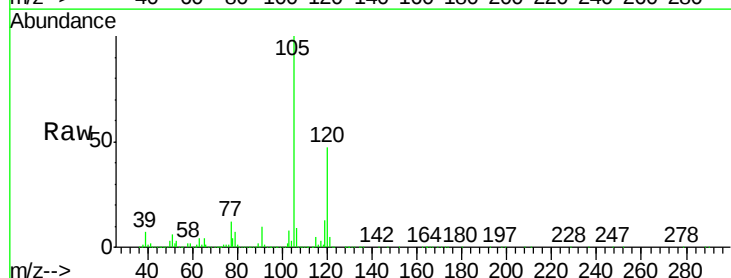
Acq: 17 Jan 2019 10:14

Tgt Ion:105 Resp: 1094852

Ion Ratio Lower Upper

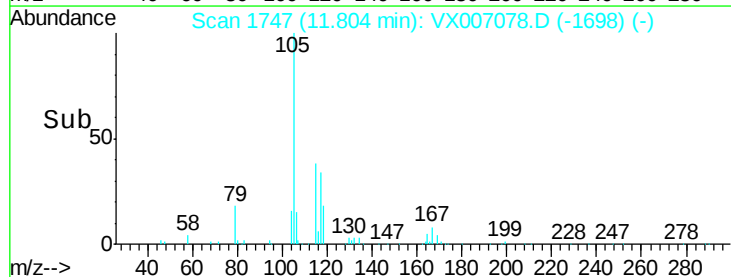
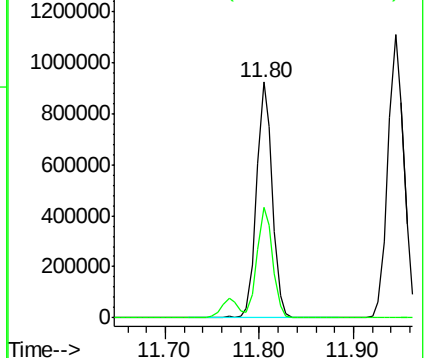
105 100

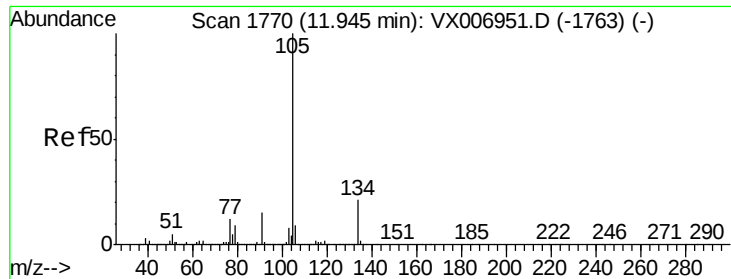
120 46.1 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.969 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

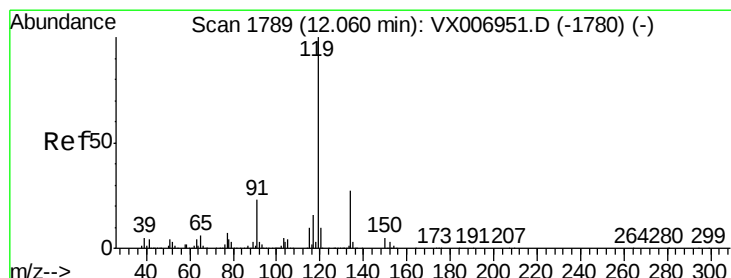
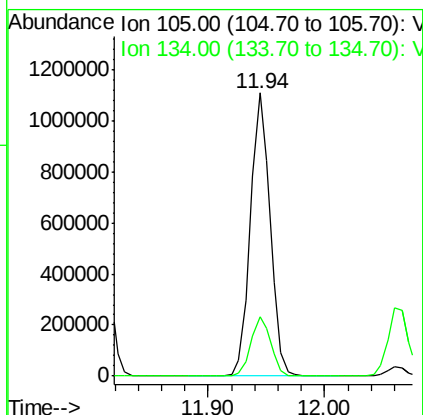
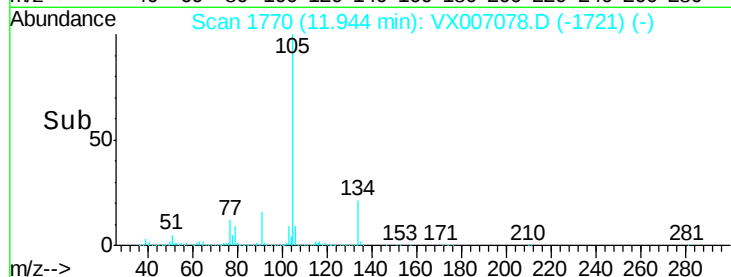
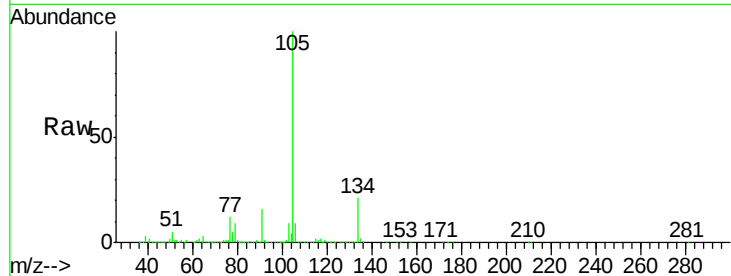
BFB

Tot Ion:105 Resp: 1313802

Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9



#86

p-Isopropyltoluene

Concen: 50.136 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

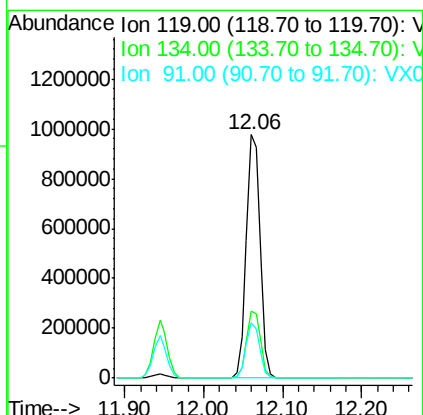
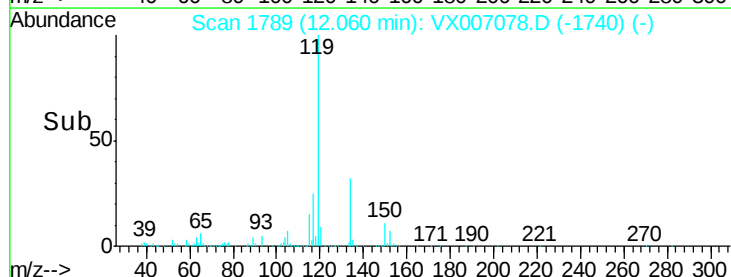
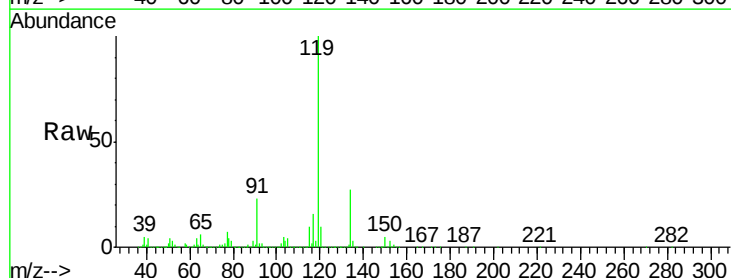
Tgt Ion:119 Resp: 1179087

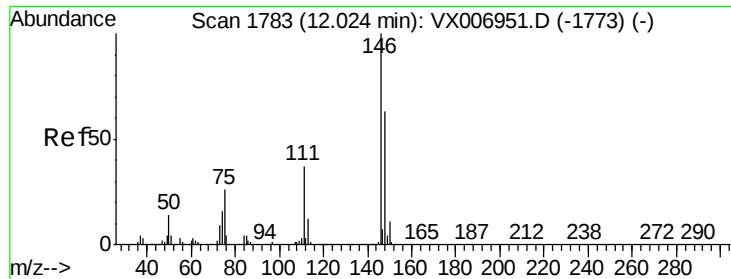
Ion Ratio Lower Upper

119 100

134 27.8 14.0 41.9

91 22.5 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 47.732 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

BFB

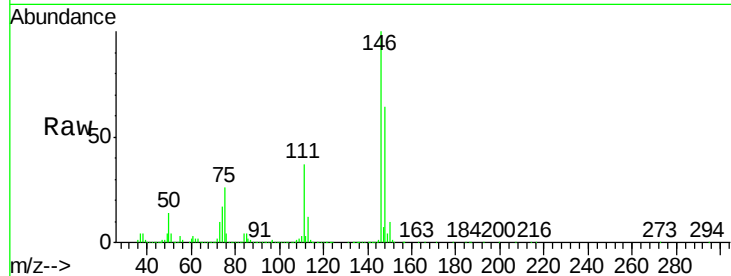
Tot Ion:146 Resp: 627762

Ion Ratio Lower Upper

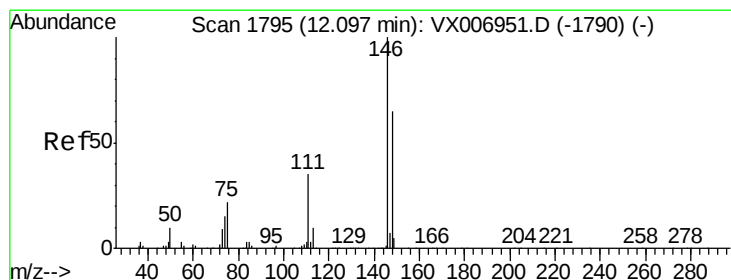
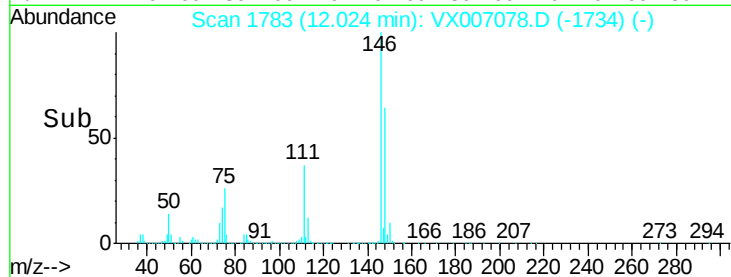
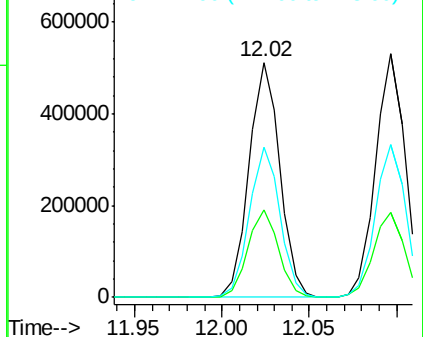
146 100

111 36.9 18.6 55.8

148 63.4 31.8 95.3



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: 50.312 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

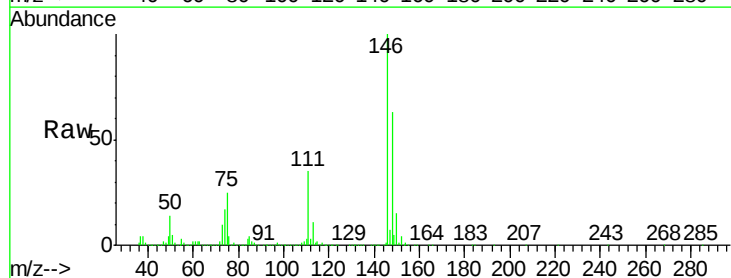
Tgt Ion:146 Resp: 626947

Ion Ratio Lower Upper

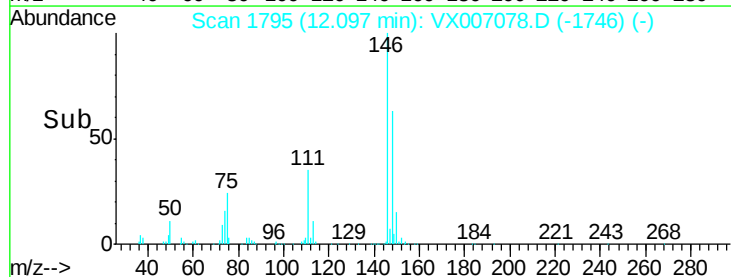
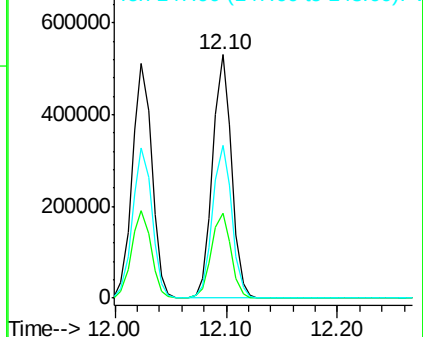
146 100

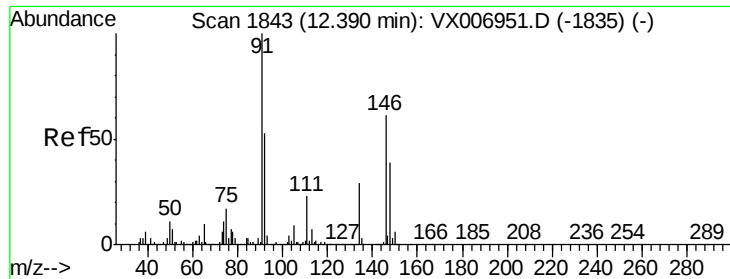
111 36.3 18.1 54.1

148 64.3 31.9 95.9



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

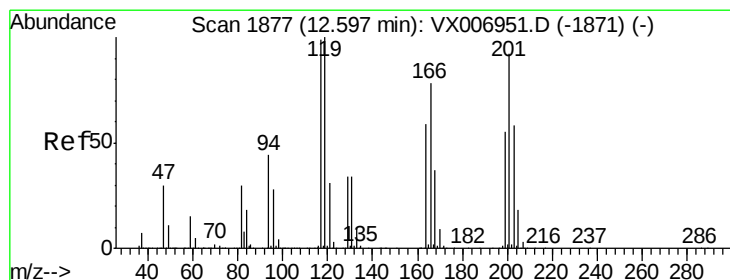
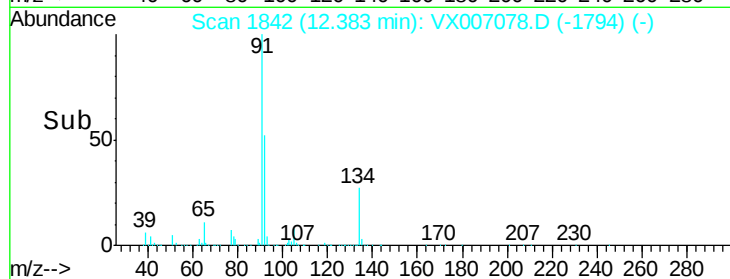
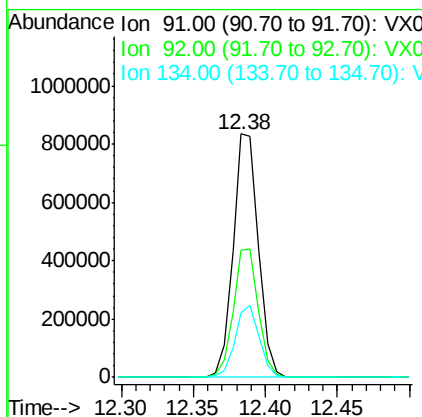
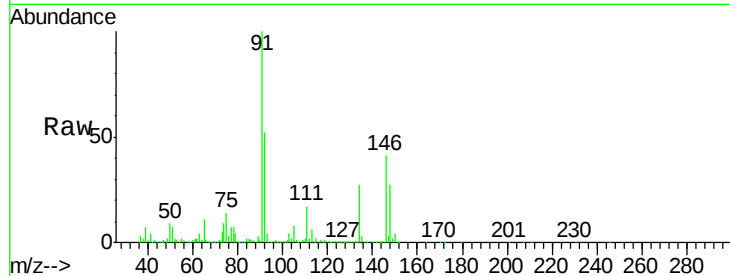




#89  
n-Butylbenzene  
Concen: 51.070 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. -0.01 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

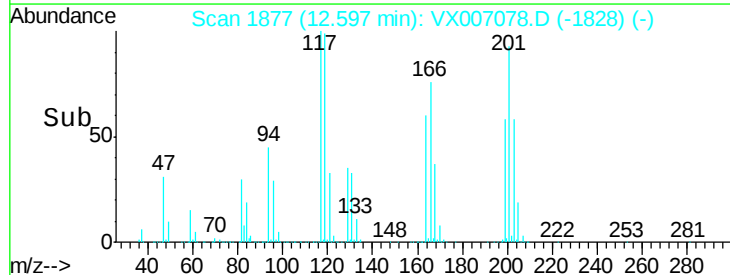
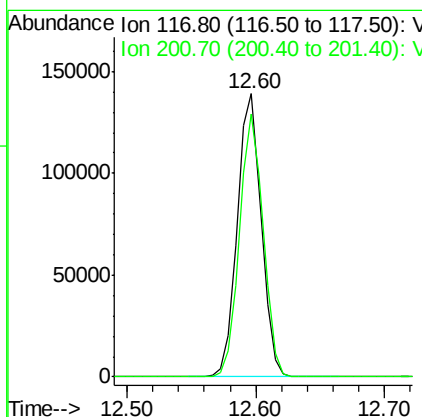
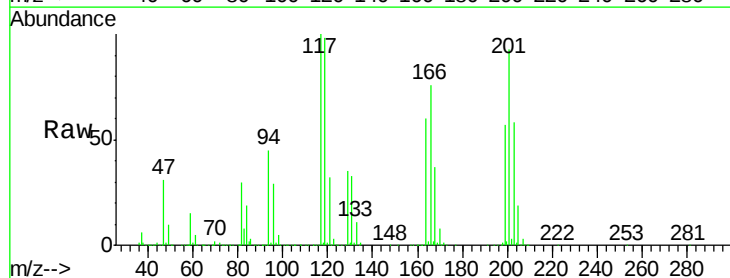
Instrument :  
MSVOA\_X  
ClientSampled :  
BFB

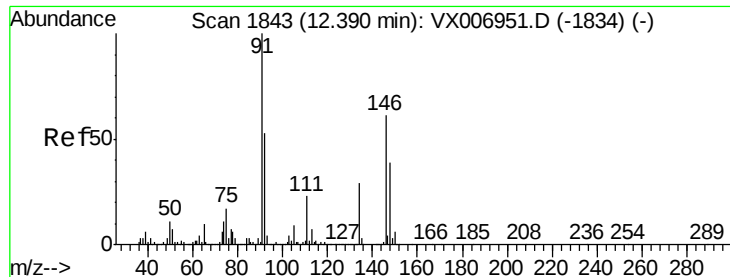
Tot Ion: 91 Resp: 1023849  
Ion Ratio Lower Upper  
91 100  
92 52.5 26.8 80.4  
134 28.1 14.4 43.2



#90  
Hexachloroethane  
Concen: 48.114 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Tgt Ion: 117 Resp: 180205  
Ion Ratio Lower Upper  
117 100  
201 90.9 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 46.865 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampleId :

BFB

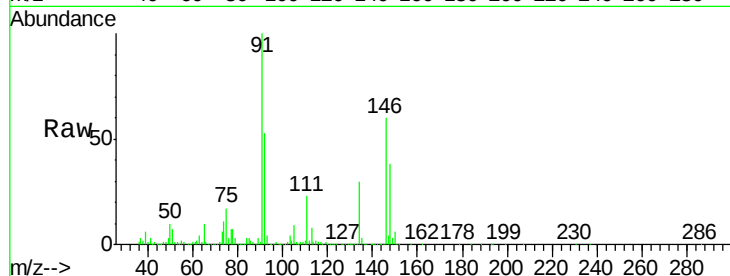
Tot Ion:146 Resp: 608251

Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.2

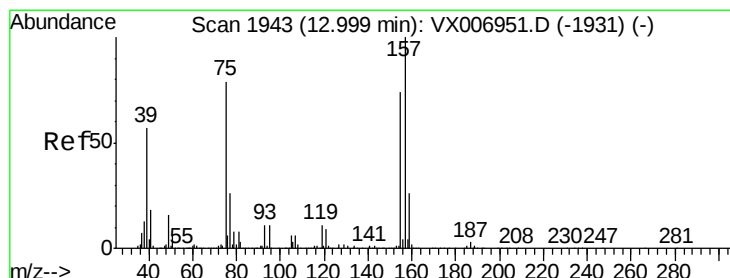
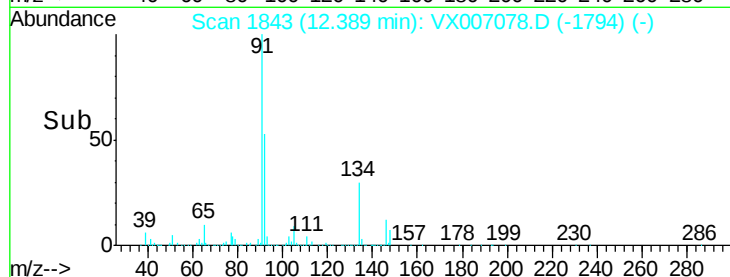
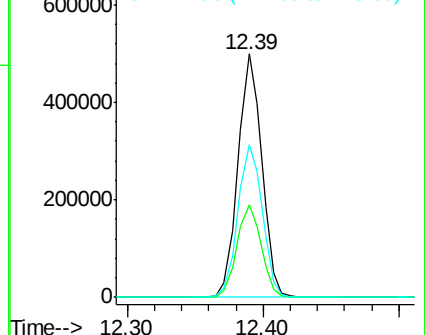
148 64.4 32.3 96.9



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: 49.241 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

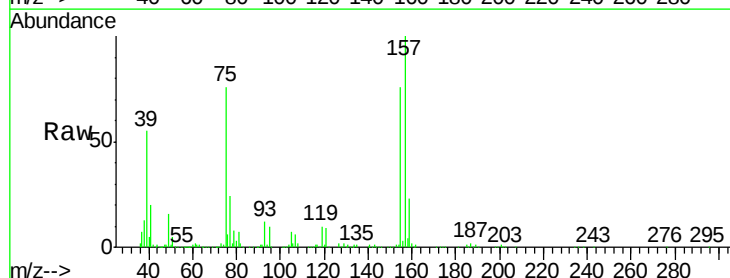
Tgt Ion: 75 Resp: 81644

Ion Ratio Lower Upper

75 100

155 101.1 50.6 151.8

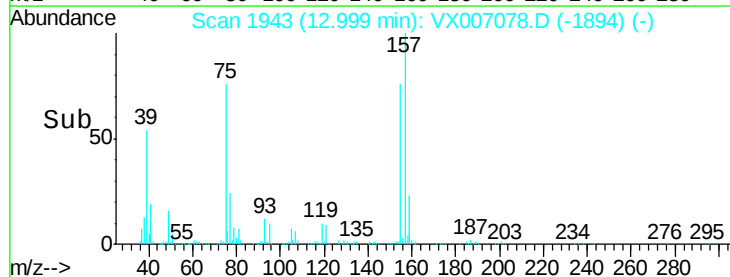
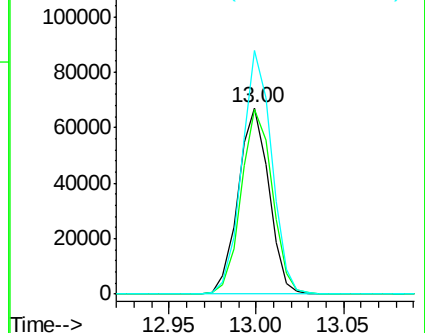
157 127.9 64.6 193.8

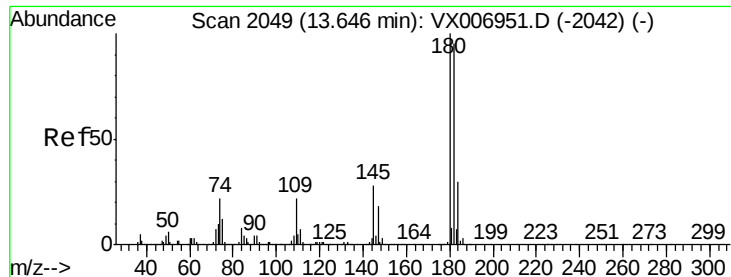


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

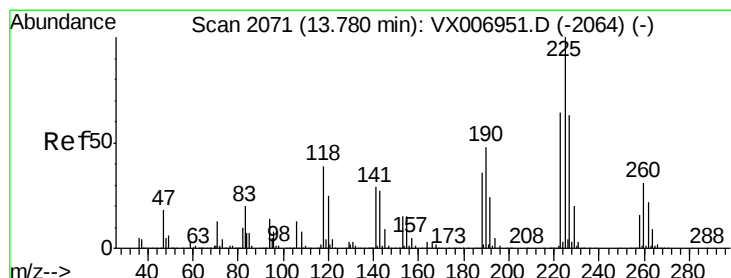
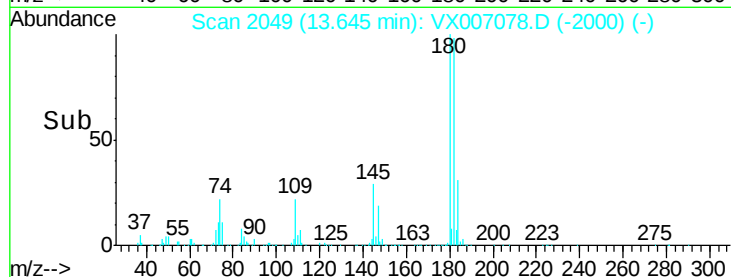
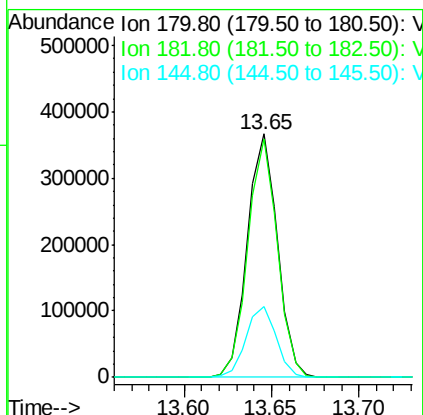
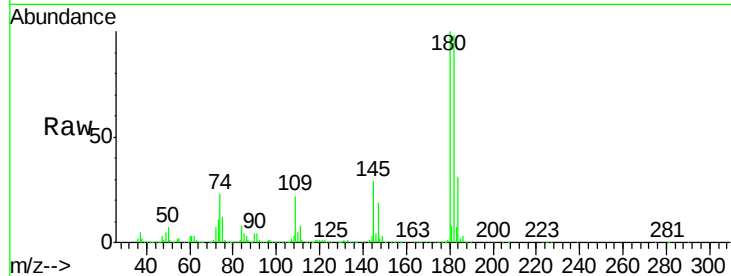




#93  
1,2,4-Trichlorobenzene  
Concen: 49.293 ug/l  
RT: 13.65 min Scan# 2049  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

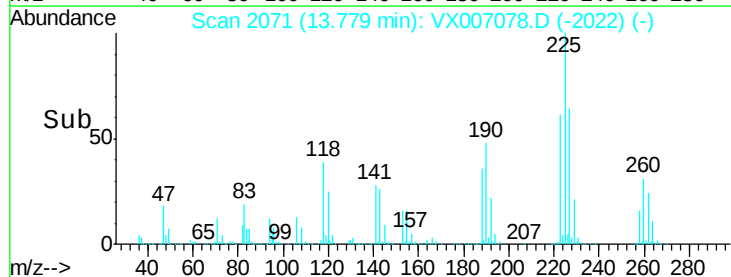
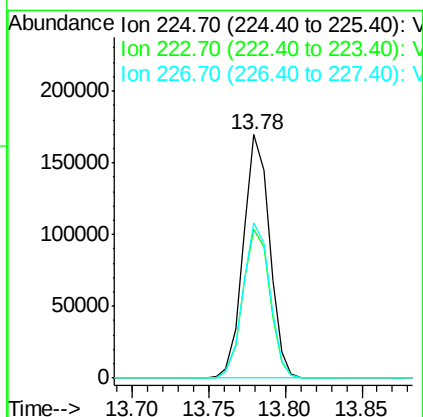
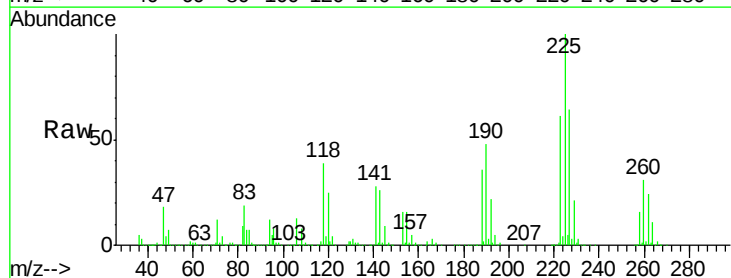
Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

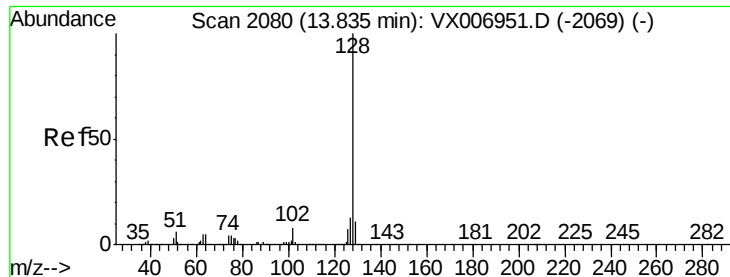
Tot Ion:180 Resp: 438927  
Ion Ratio Lower Upper  
180 100  
182 96.2 47.3 142.0  
145 29.3 14.8 44.3



#94  
Hexachlorobutadiene  
Concen: 51.073 ug/l  
RT: 13.78 min Scan# 2071  
Delta R.T. -0.00 min  
Lab File: VX007078.D  
Acq: 17 Jan 2019 10:14

Tgt Ion:225 Resp: 201814  
Ion Ratio Lower Upper  
225 100  
223 63.1 32.1 96.3  
227 65.4 32.3 96.8





#95

Naphthalene

Concen: 48.671 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

Instrument :

MSVOA\_X

ClientSampled :

BFB

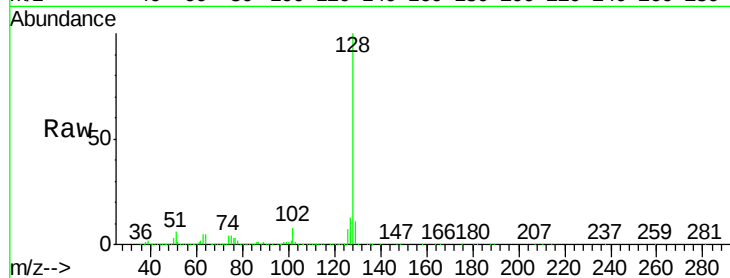
Tot Ion:128 Resp: 1313269

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

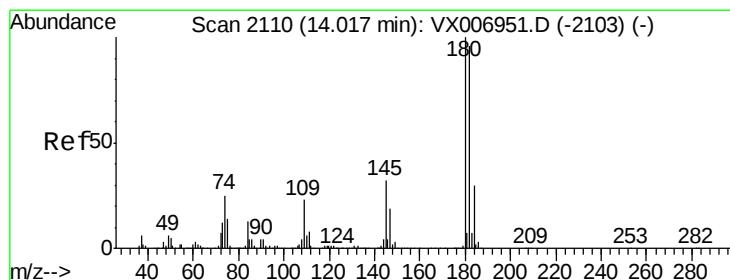
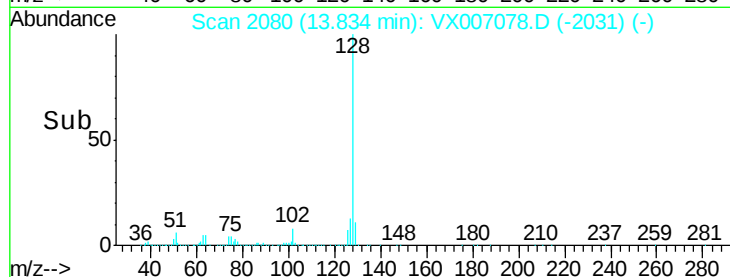
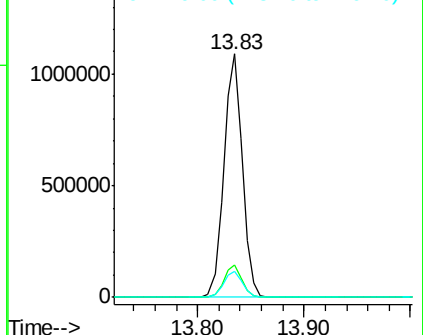
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.055 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007078.D

Acq: 17 Jan 2019 10:14

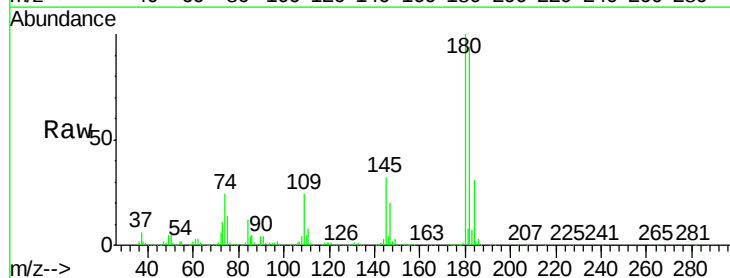
Tgt Ion:180 Resp: 433921

Ion Ratio Lower Upper

180 100

182 95.4 48.5 145.5

145 30.6 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

