

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\  
 Data File : VX010670.D  
 Acq On : 04 Jul 2019 06:18  
 Operator : JC/SP  
 Sample : K3669-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW037-190701

Quant Time: Jul 05 00:56:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 03:31:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 235563   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 366736   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 334501   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 161825   | 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   | 118047   | 53.45 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.90% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 110595   | 49.29 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.58%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 437149   | 50.92 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.84% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 152548   | 49.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.44%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 3) Chloromethane               | 1.33  | 50   | 522      | 0.274  | ug/l # | 75     |
| 5) Bromomethane                | 1.65  | 94   | 739      | 0.726  | ug/l   | 100    |
| 6) Chloroethane                | 1.73  | 64   | 261      | 0.212  | ug/l # | 41     |
| 10) Methyl Iodide              | 2.53  | 142  | 616      | 0.215  | ug/l # | 87     |
| 11) Tert butyl alcohol         | 3.03  | 59   | 1276     | 2.208  | ug/l # | 74     |
| 13) Acrolein                   | 2.28  | 56   | 267      | 0.696  | ug/l   | 98     |
| 15) Acrylonitrile              | 3.16  | 53   | 240      | 0.210  | ug/l # | 86     |
| 16) Acetone                    | 2.45  | 43   | 3934     | 3.554  | ug/l   | 95     |
| 18) Methyl Acetate             | 2.84  | 43   | 14185    | 6.430  | ug/l # | 48     |
| 20) Methylene Chloride         | 2.85  | 84   | 602      | 0.264  | ug/l # | 29     |
| 31) Cyclohexane                | 5.58  | 56   | 2456     | 0.770  | ug/l # | 77     |
| 36) 1,1-Dichloropropene        | 5.66  | 75   | 15266    | 5.238  | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 21221    | 6.724  | ug/l # | 14     |
| 39) Methylcyclohexane          | 7.46  | 83   | 8470     | 2.211  | ug/l # | 72     |
| 43) Isopropyl Acetate          | 6.35  | 43   | 16979    | 3.423  | ug/l # | 58     |
| 48) Methyl methacrylate        | 7.84  | 41   | 1085     | 0.471  | ug/l # | 60     |
| 49) 1,4-Dioxane                | 7.80  | 88   | 67       | 1.009  | ug/l # | 1      |
| 55) 1,1,2-Trichloroethane      | 9.16  | 97   | 4669     | 1.893  | ug/l # | 19     |
| 56) Ethyl methacrylate         | 9.16  | 69   | 1020     | 0.273  | ug/l # | 1      |
| 59) 2-Hexanone                 | 9.30  | 43   | 877      | 0.351  | ug/l   | 98     |
| 65) Chlorobenzene              | 10.13 | 112  | 89507    | 13.180 | ug/l   | 100    |
| 69) o-Xylene                   | 10.69 | 106  | 1098     | 0.251  | ug/l   | 86     |
| 73) Isopropylbenzene           | 11.02 | 105  | 148728   | 13.558 | ug/l   | 98     |
| 75) 1,1,2,2-Tetrachloroethane  | 11.28 | 83   | 1600     | 0.440  | ug/l # | 44     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 74075    | 25.120 | ug/l # | 33     |
| 78) n-propylbenzene            | 11.36 | 91   | 52918    | 4.389  | ug/l   | 99     |
| 79) 2-Chlorotoluene            | 11.36 | 91   | 52918    | 7.371  | ug/l # | 38     |
| 80) 1,3,5-Trimethylbenzene     | 11.66 | 105  | 4707     | 0.520  | ug/l   | 71     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 74075    | 58.602 | ug/l # | 16     |
| 82) 4-Chlorotoluene            | 11.36 | 91   | 52918    | 6.478  | ug/l # | 42     |
| 83) tert-Butylbenzene          | 11.77 | 119  | 84680    | 9.330  | ug/l   | 91     |
| 84) 1,2,4-Trimethylbenzene     | 11.94 | 105  | 354749   | 39.045 | ug/l # | 31     |
| 85) sec-Butylbenzene           | 11.94 | 105  | 354749   | 33.288 | ug/l   | 94     |
| 86) p-Isopropyltoluene         | 12.23 | 119  | 367774   | 37.309 | ug/l   | 98     |

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ST008MW037-190701

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 20 03:31:56 2019  
Response via : Initial Calibration

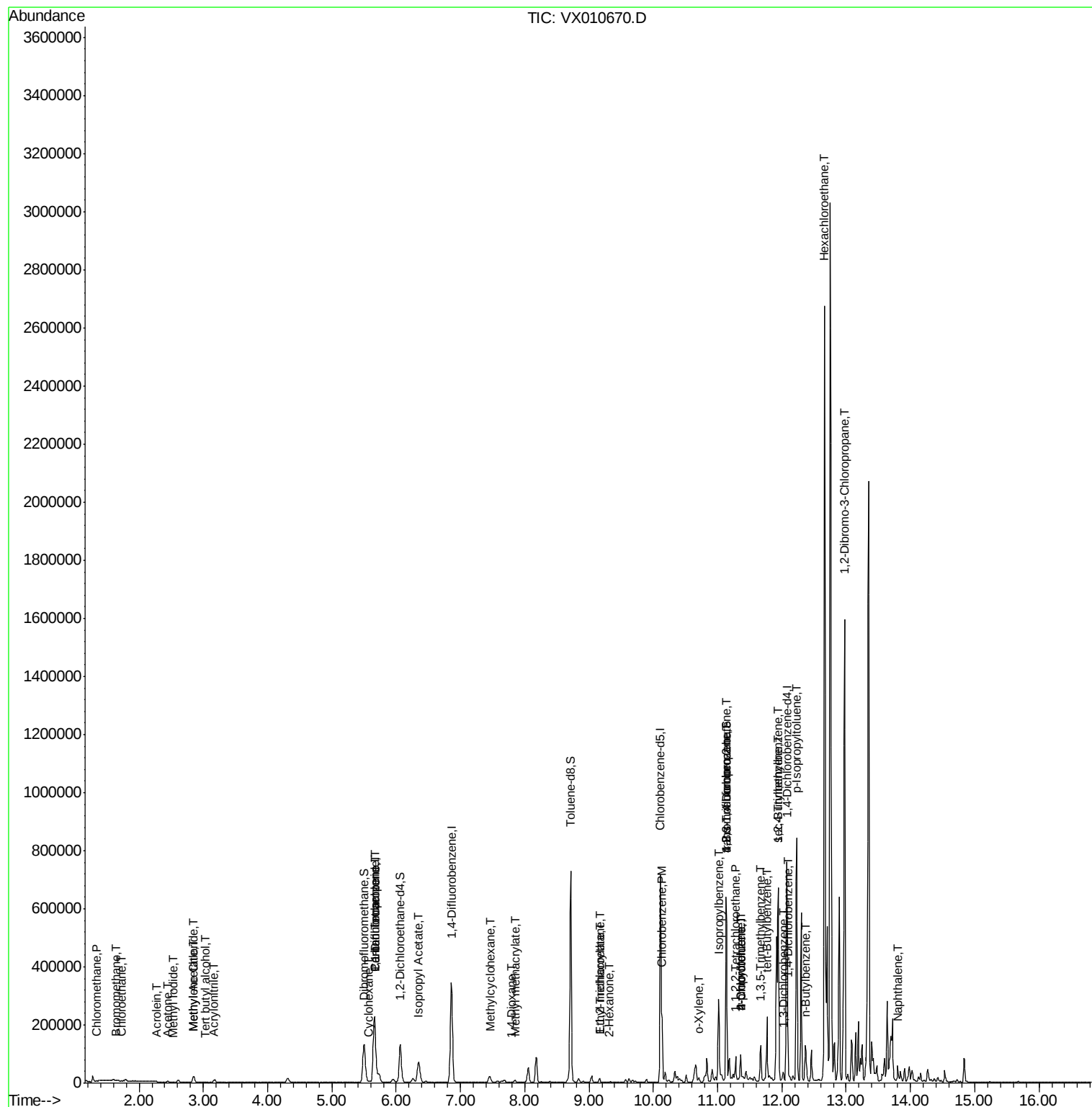
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 8106     | 1.516  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 21971    | 4.036  | ug/l   | 95       |
| 89) n-Butylbenzene             | 12.38 | 91   | 20364    | 2.431  | ug/l # | 53       |
| 90) Hexachloroethane           | 12.67 | 117  | 115744   | 67.905 | ug/l # | 5        |
| 92) 1,2-Dibromo-3-Chloropropan | 12.97 | 75   | 5492     | 7.012  | ug/l # | 1        |
| 95) Naphthalene                | 13.80 | 128  | 3511     | 0.310  | ug/l # | 1        |

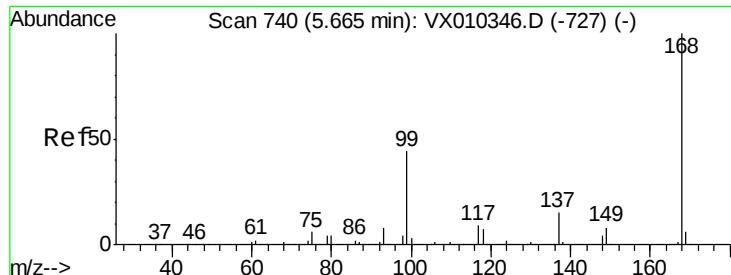
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

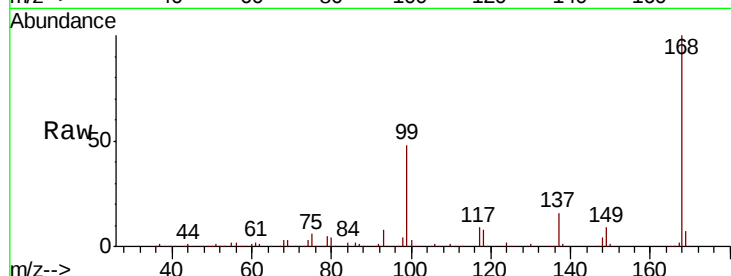
ST008MW037-190701

Tot Ion:168 Resp: 235563

Ion Ratio Lower Upper

168 100

99 48.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

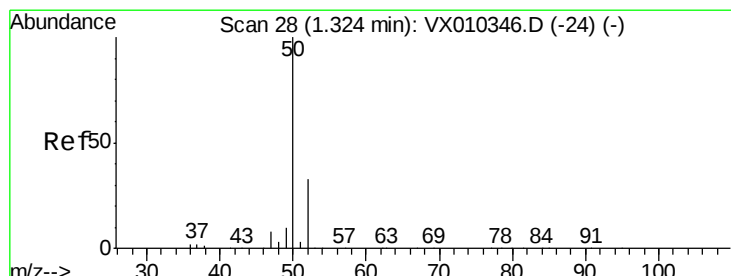
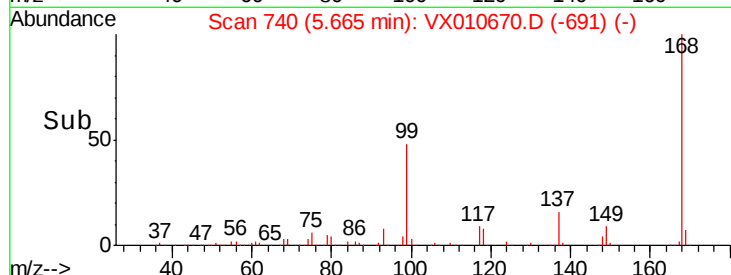
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.274 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010670.D

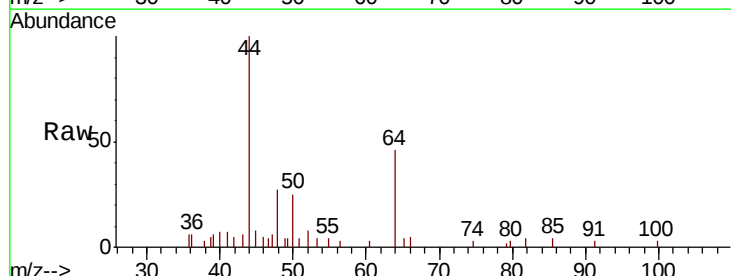
Acq: 04 Jul 2019 06:18

Tgt Ion: 50 Resp: 522

Ion Ratio Lower Upper

50 100

52 18.9 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

500

400

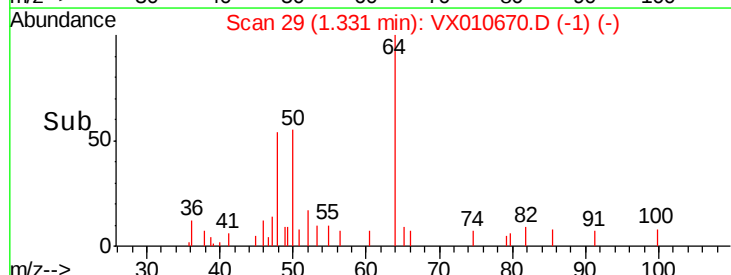
300

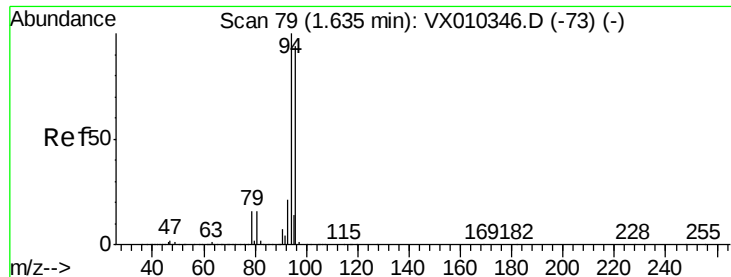
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.726 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

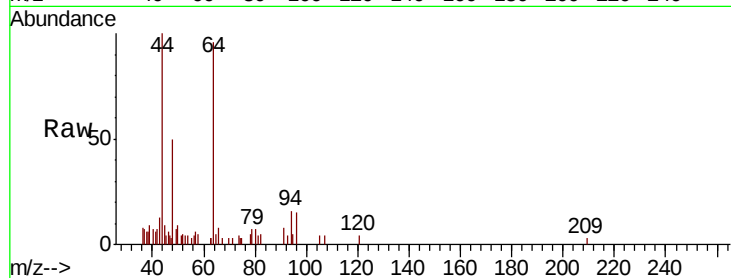
ST008MW037-190701

Tot Ion: 94 Resp: 739

Ion Ratio Lower Upper

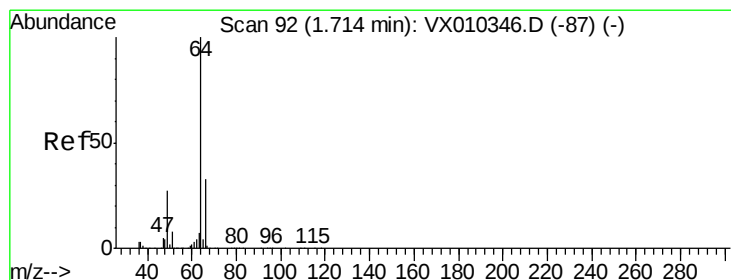
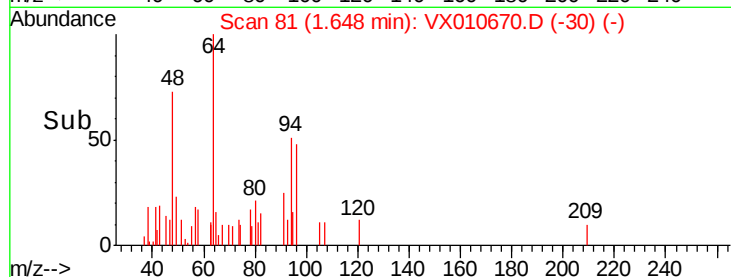
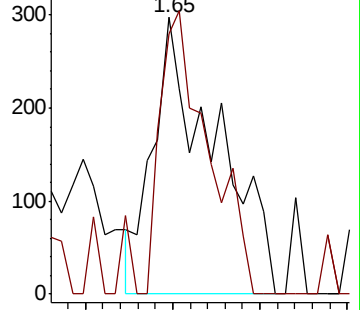
94 100

96 94.3 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.212 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010670.D

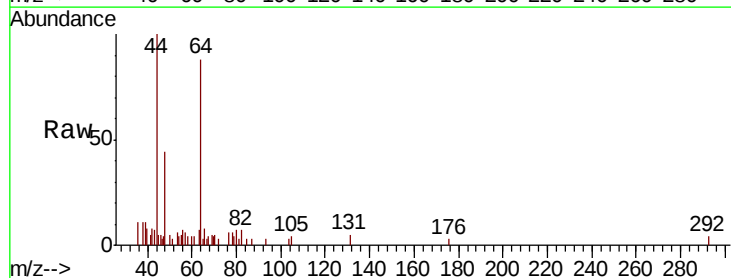
Acq: 04 Jul 2019 06:18

Tgt Ion: 64 Resp: 261

Ion Ratio Lower Upper

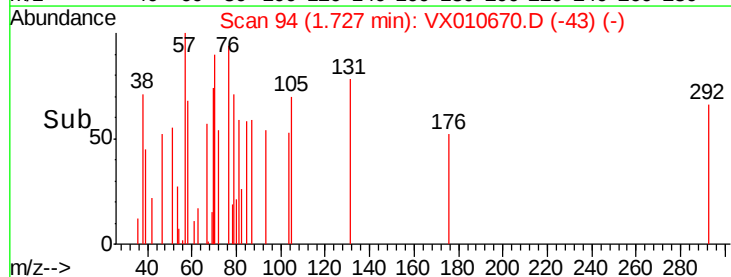
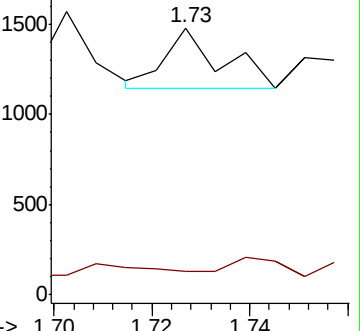
64 100

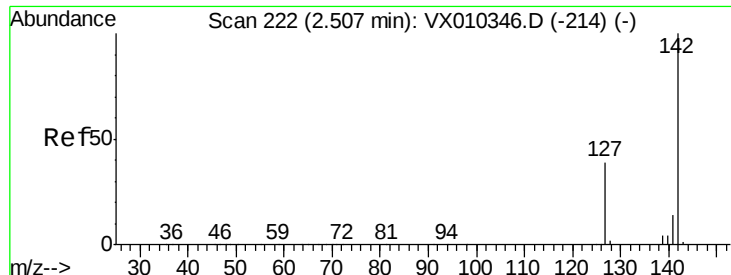
66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

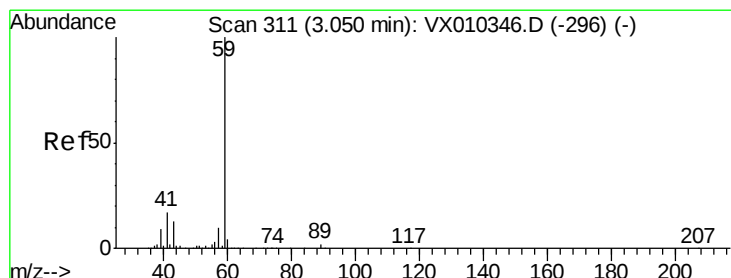
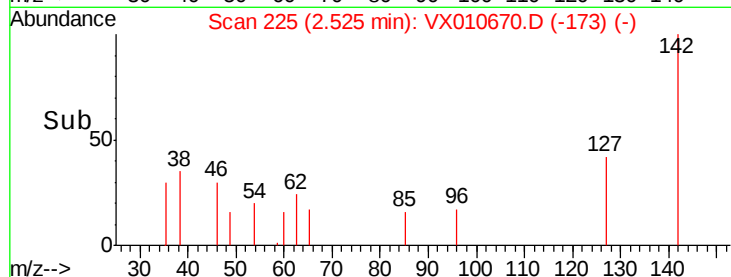
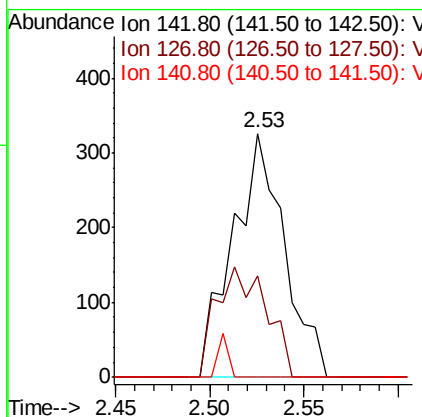
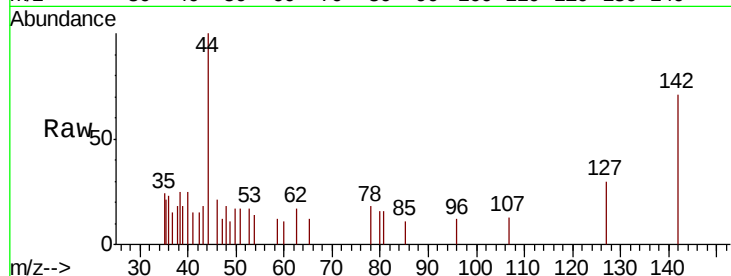




#10  
Methvl Iodide  
Concen: 0.215 ug/l  
RT: 2.53 min Scan# 225  
Delta R.T. 0.02 min  
Lab File: VX010670.D  
Acq: 04 Jul 2019 06:18

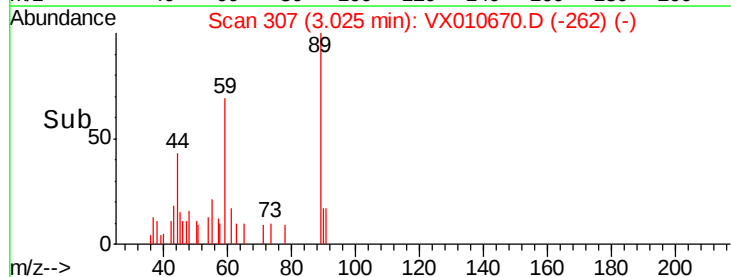
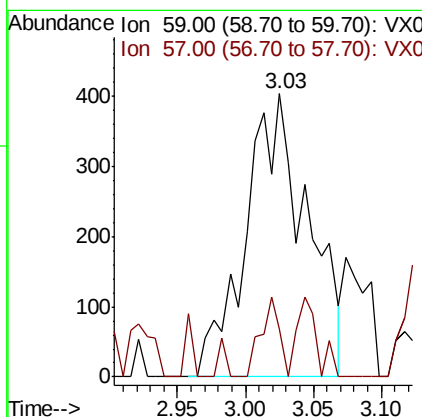
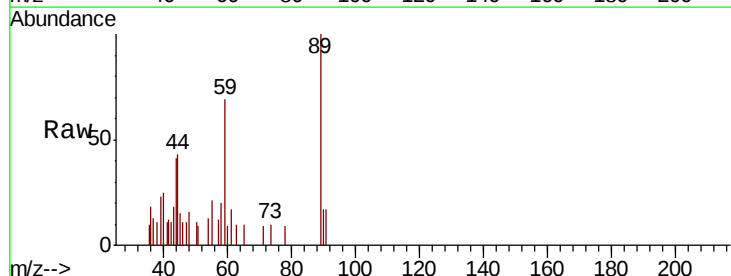
Instrument :  
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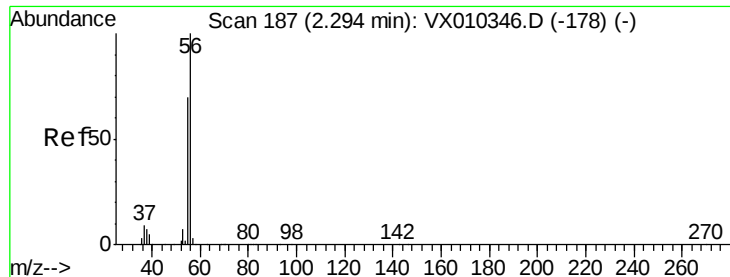
Tot Ion:142 Resp: 616  
Ion Ratio Lower Upper  
142 100  
127 44.0 31.1 46.7  
141 3.6 11.2 16.8#



#11  
Tert butyl alcohol  
Concen: 2.208 ug/l  
RT: 3.03 min Scan# 307  
Delta R.T. -0.02 min  
Lab File: VX010670.D  
Acq: 04 Jul 2019 06:18

Tgt Ion: 59 Resp: 1276  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#





#13

Acrolein

Concen: 0.696 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

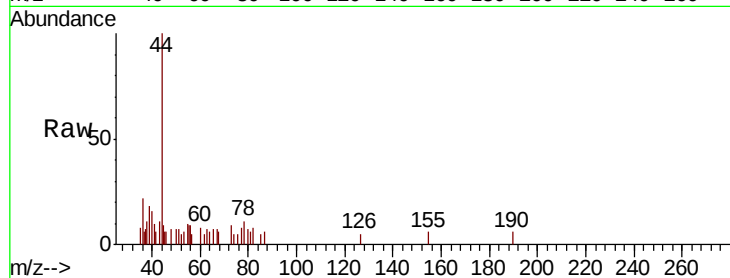
ST008MW037-190701

Tot Ion: 56 Resp: 267

Ion Ratio Lower Upper

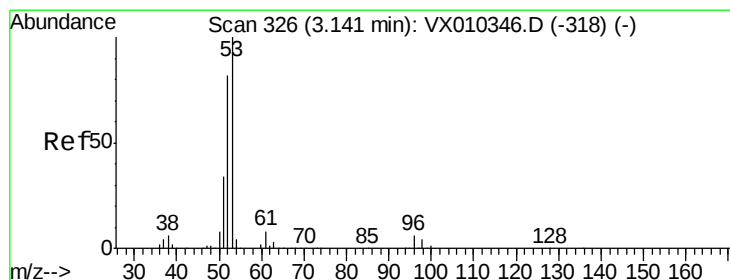
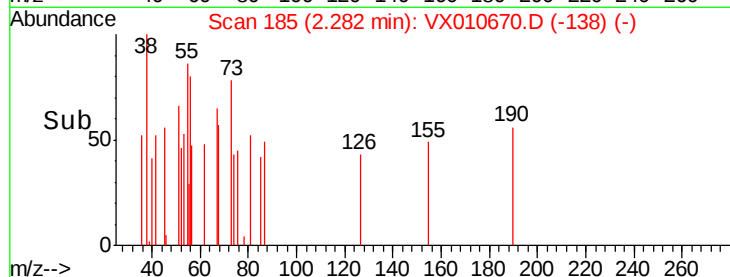
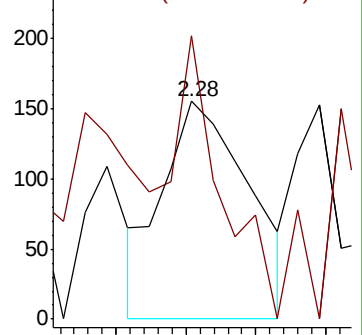
56 100

55 73.0 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.210 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

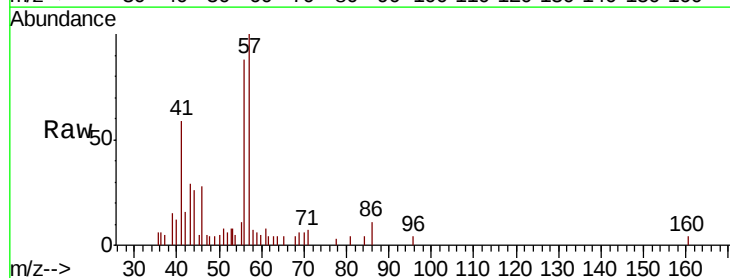
Tgt Ion: 53 Resp: 240

Ion Ratio Lower Upper

53 100

52 72.9 65.5 98.3

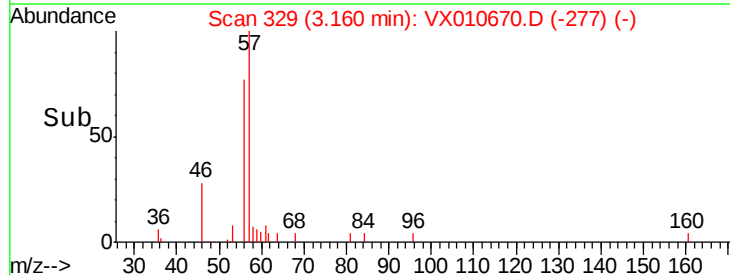
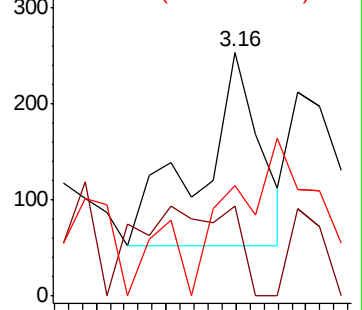
51 20.8 28.2 42.4#

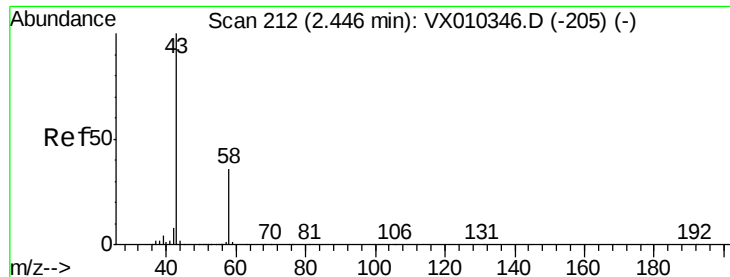


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 3.554 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

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ClientSampleId :

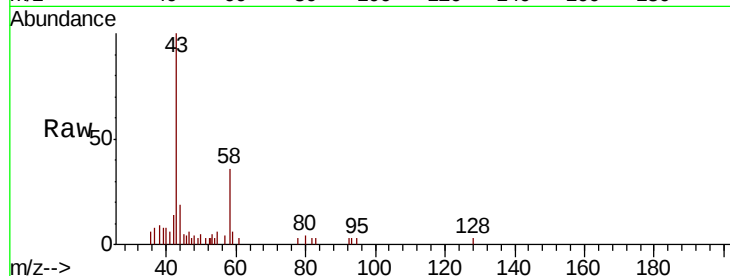
ST008MW037-190701

Tot Ion: 43 Resp: 3934

Ion Ratio Lower Upper

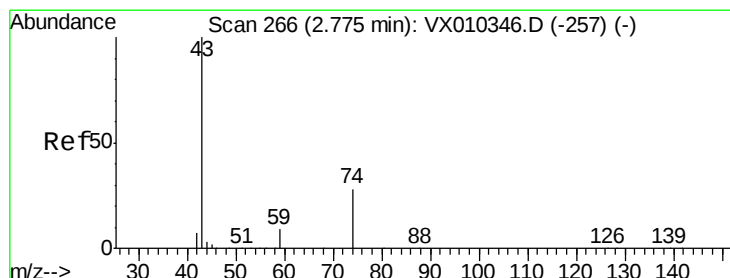
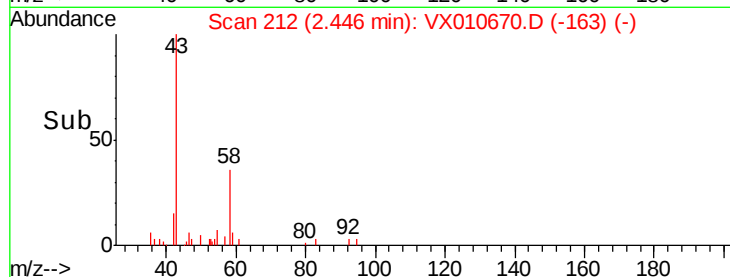
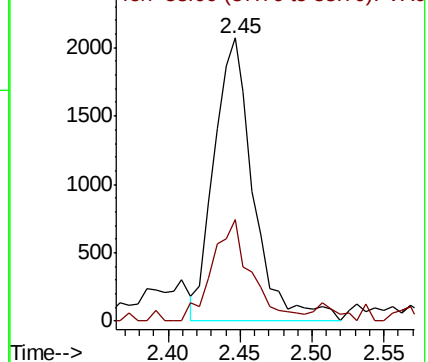
43 100

58 33.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 6.430 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX010670.D

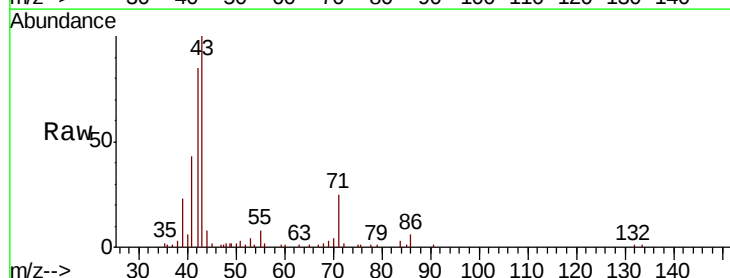
Acq: 04 Jul 2019 06:18

Tgt Ion: 43 Resp: 14185

Ion Ratio Lower Upper

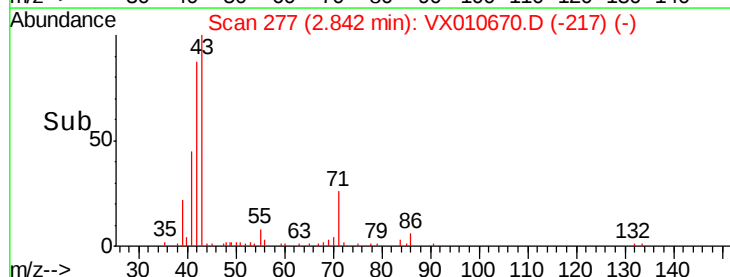
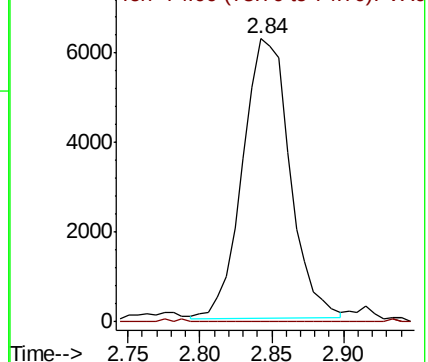
43 100

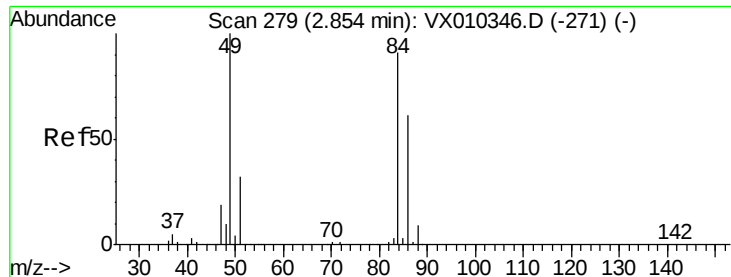
74 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methvlene Chloride

Concen: 0.264 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW037-190701

Tot Ion: 84 Resp: 602

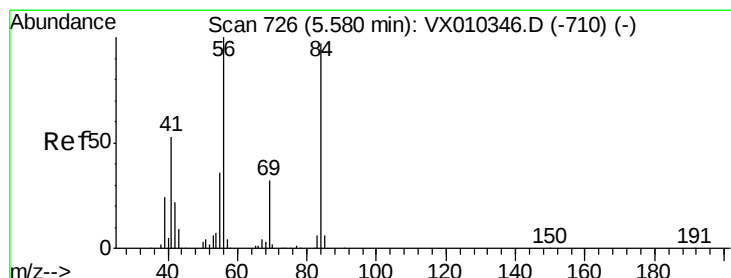
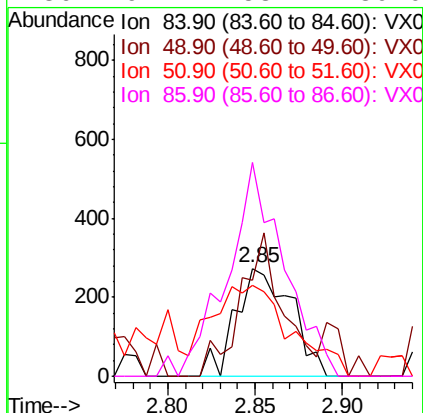
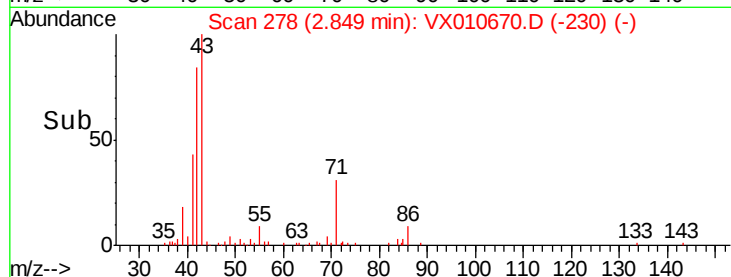
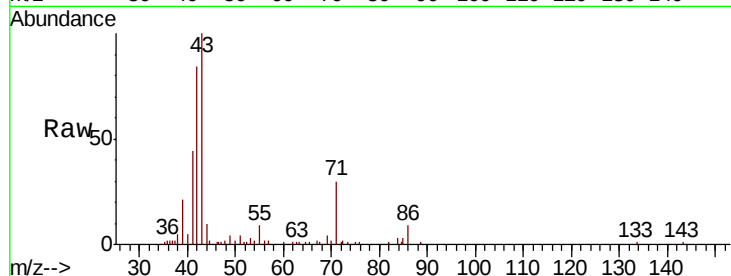
Ion Ratio Lower Upper

84 100

49 88.7 87.5 131.3

51 66.1 27.7 41.5#

86 197.4 53.4 80.0#



#31

Cyclohexane

Concen: 0.770 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

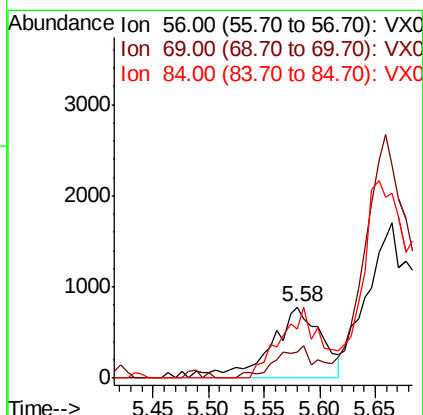
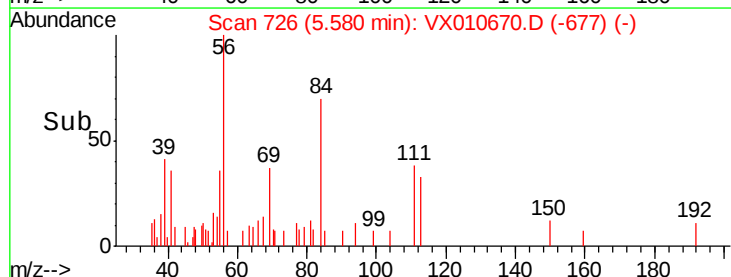
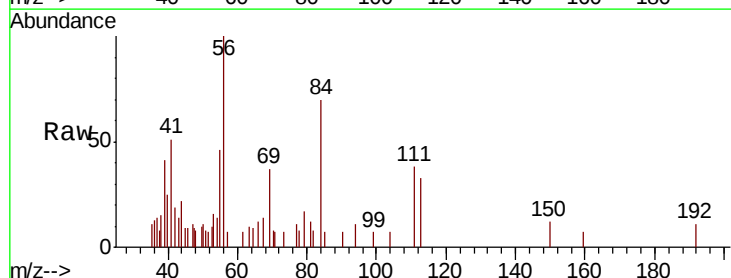
Tgt Ion: 56 Resp: 2456

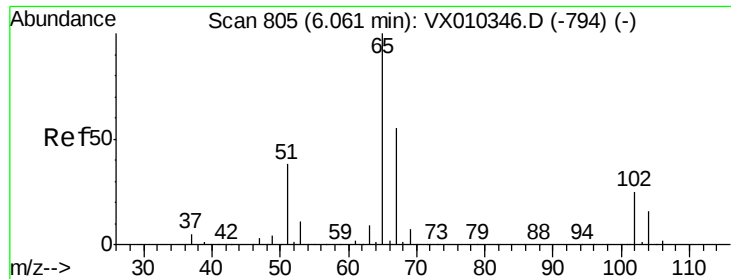
Ion Ratio Lower Upper

56 100

69 27.0 25.9 38.9

84 69.9 78.0 117.0#





#33

1,2-Dichloroethane-d4

Concen: 53.448 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

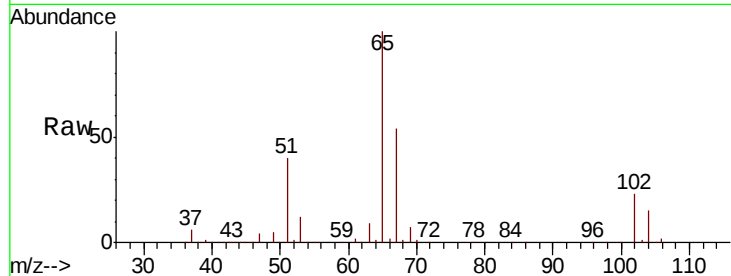
ST008MW037-190701

Tot Ion: 65 Resp: 118047

Ion Ratio Lower Upper

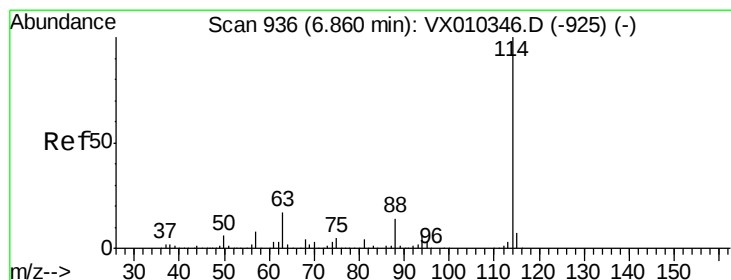
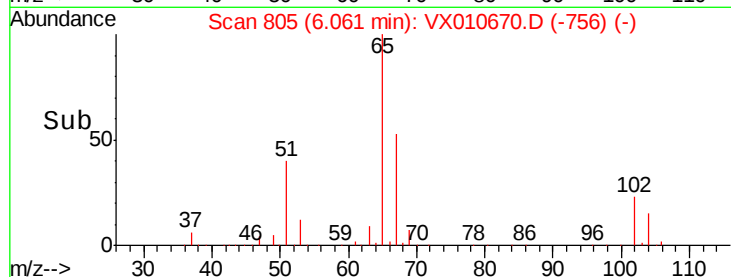
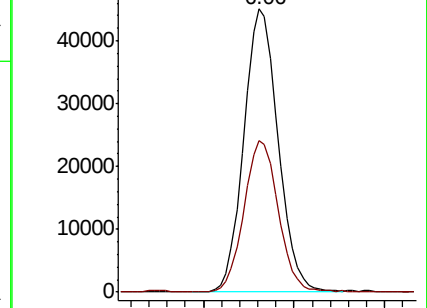
65 100

67 53.8 0.0 110.2



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: VX010670.D

Acq: 04 Jul 2019 06:18

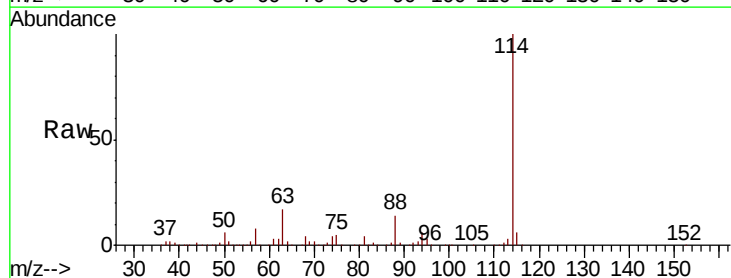
Tgt Ion: 114 Resp: 366736

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

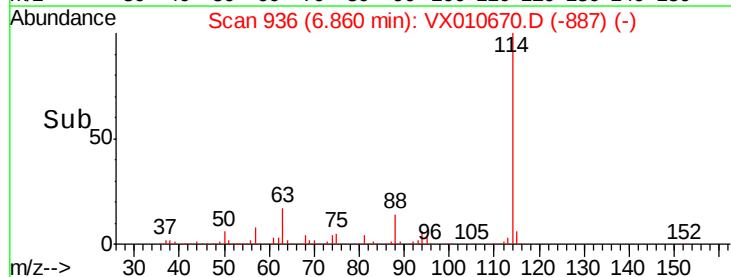
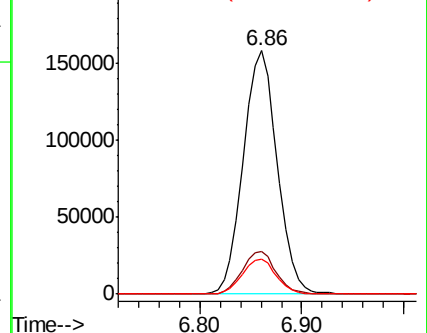
88 14.3 0.0 27.6

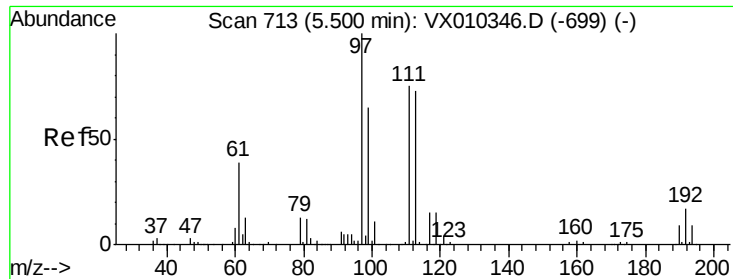


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.289 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW037-190701

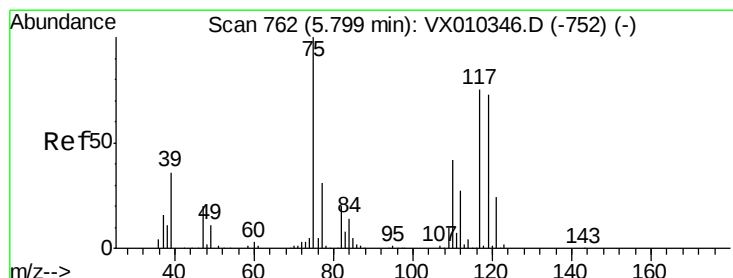
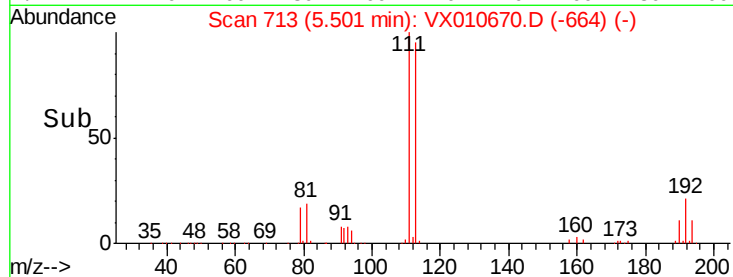
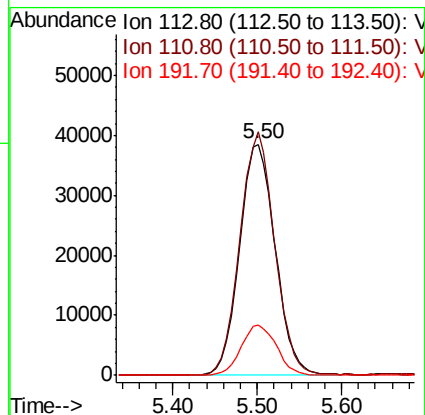
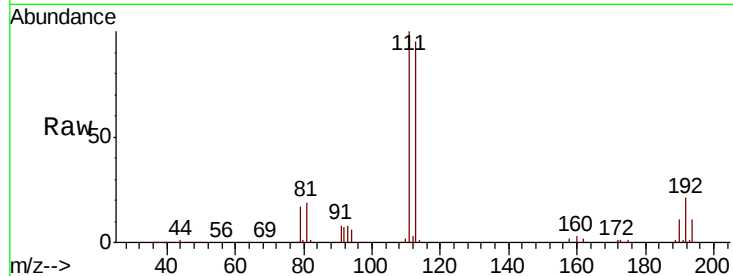
Tot Ion:113 Resp: 110595

Ion Ratio Lower Upper

113 100

111 102.8 81.2 121.8

192 21.8 18.6 27.8



#36

1,1-Dichloropropene

Concen: 5.238 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

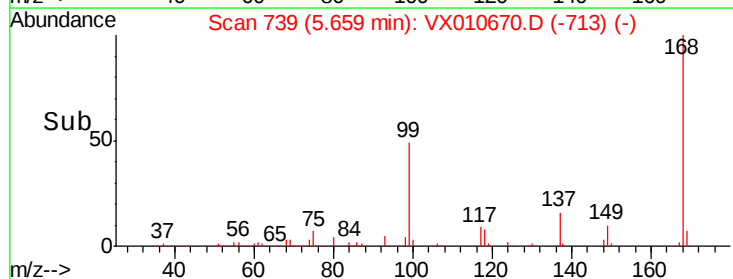
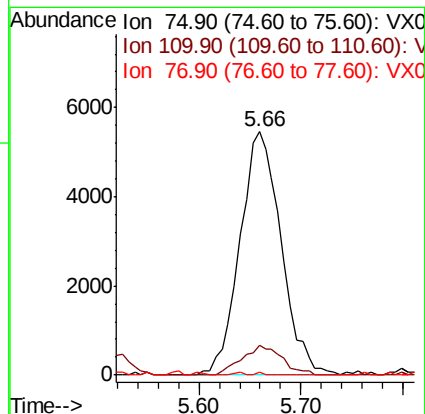
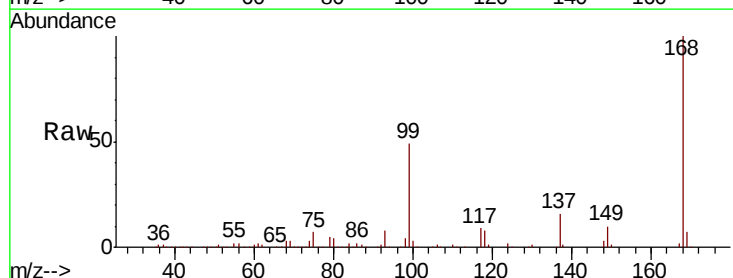
Tgt Ion: 75 Resp: 15266

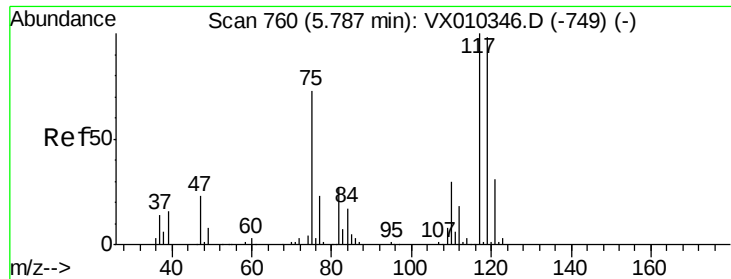
Ion Ratio Lower Upper

75 100

110 11.9 20.8 62.2#

77 0.2 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.724 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW037-190701

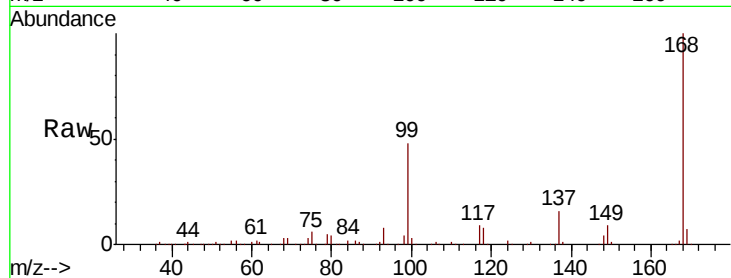
Tot Ion:117 Resp: 21221

Ion Ratio Lower Upper

117 100

119 3.6 78.2 117.4#

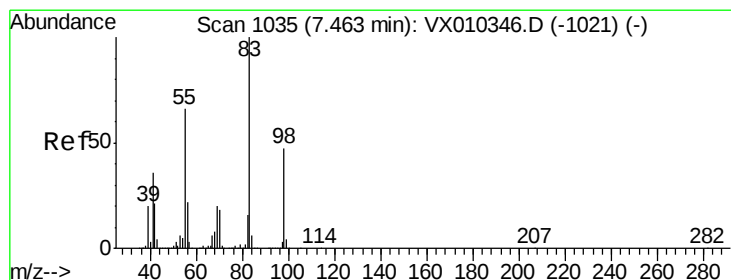
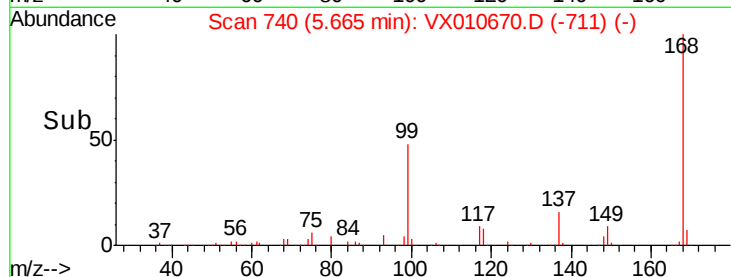
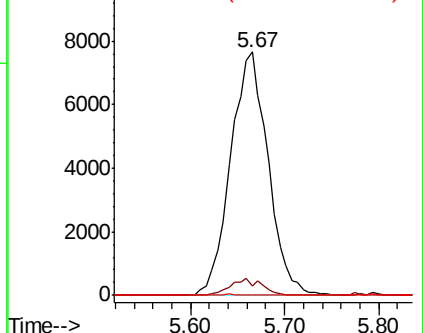
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 2.211 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

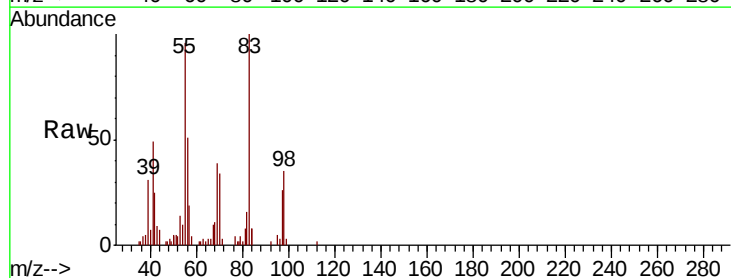
Tgt Ion: 83 Resp: 8470

Ion Ratio Lower Upper

83 100

55 93.8 53.0 79.6#

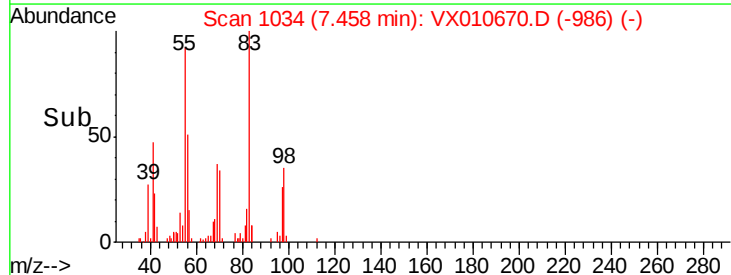
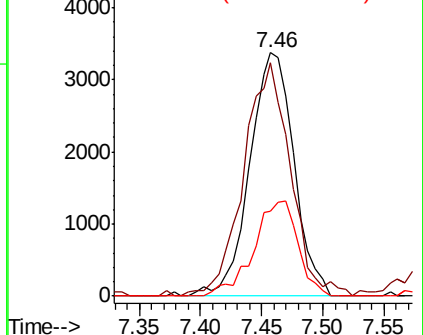
98 34.8 37.8 56.8#

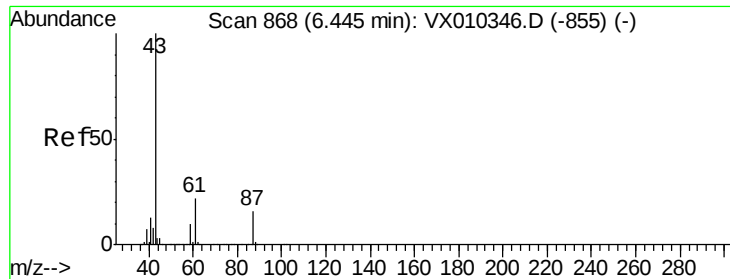


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#43

Isopropyl Acetate

Concen: 3.423 ug/l

RT: 6.35 min Scan# 853

Delta R.T. -0.09 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW037-190701

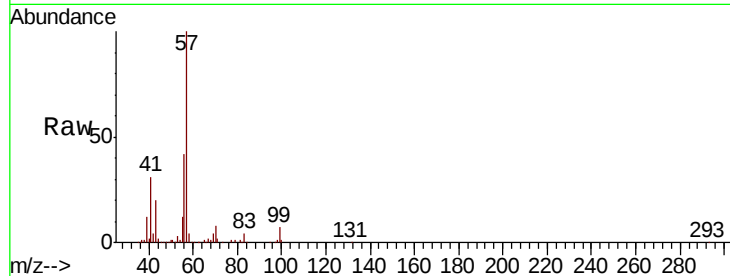
Tot Ion: 43 Resp: 16979

Ion Ratio Lower Upper

43 100

61 0.6 17.8 26.6#

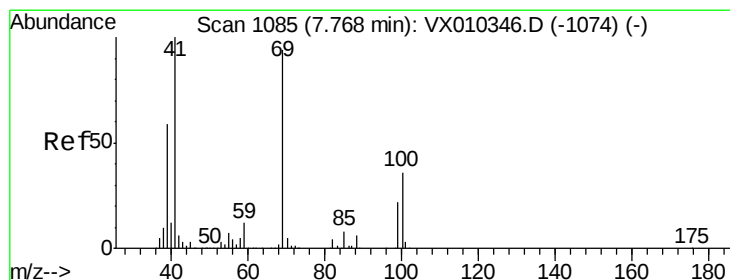
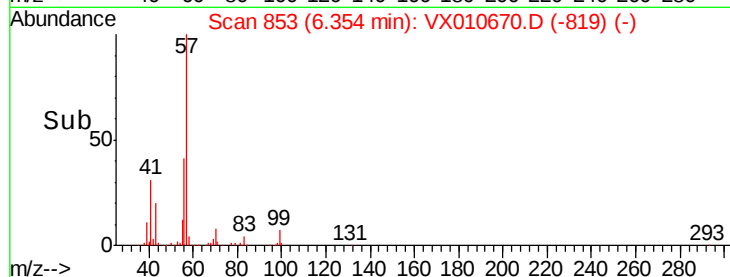
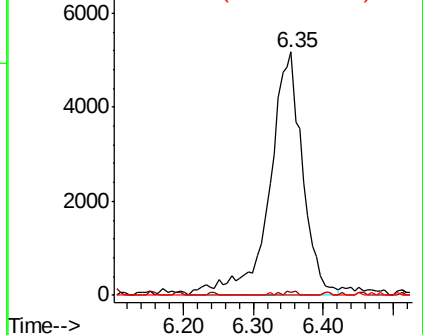
87 0.0 13.0 19.4#



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



#48

Methyl methacrylate

Concen: 0.471 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. 0.07 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

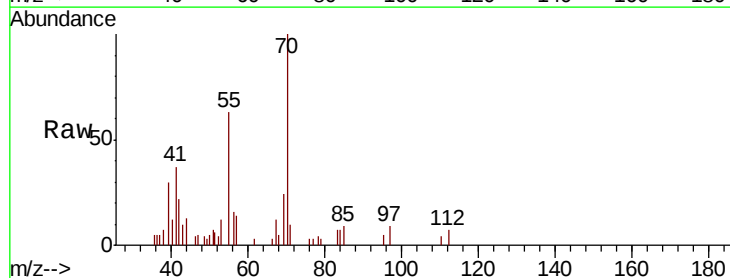
Tgt Ion: 41 Resp: 1085

Ion Ratio Lower Upper

41 100

69 103.0 76.1 114.1

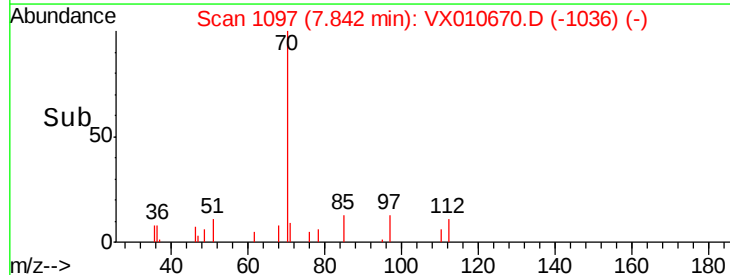
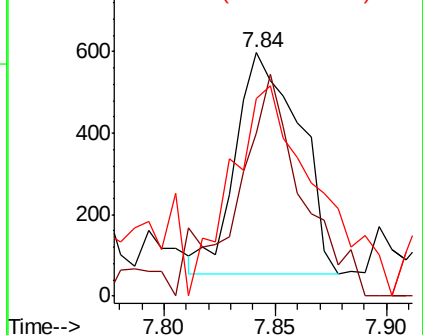
39 127.0 47.6 71.4#

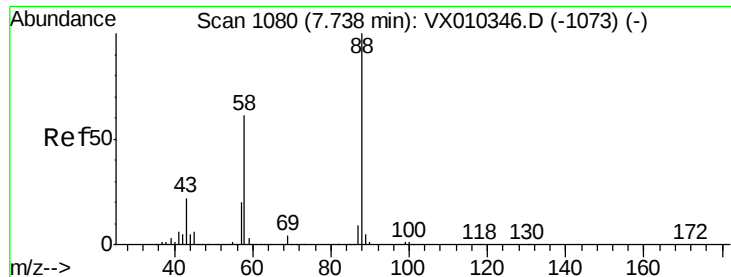


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1.009 ug/l

RT: 7.80 min Scan# 1090

Delta R.T. 0.06 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW037-190701

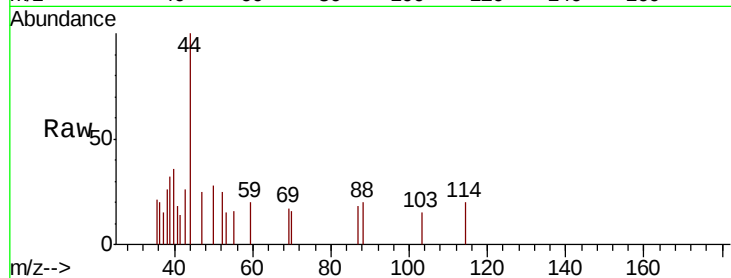
Tot Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 301.5 20.2 30.2#

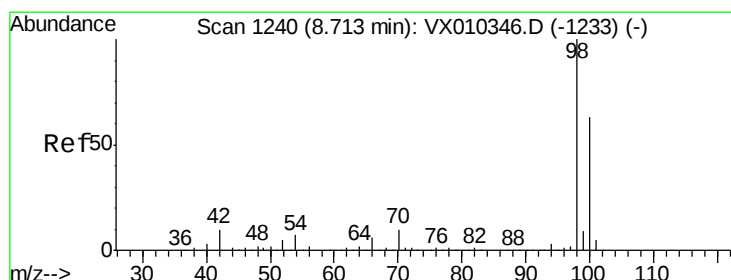
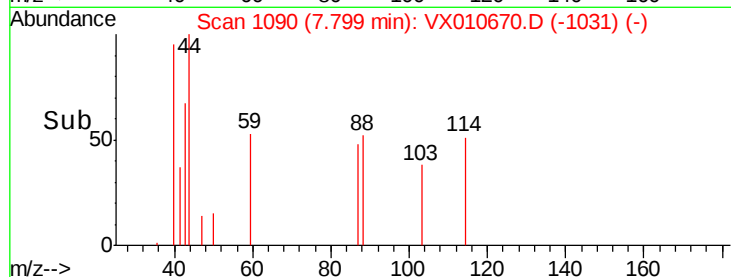
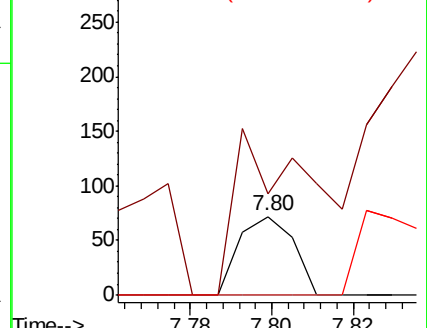
58 0.0 49.5 74.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.923 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010670.D

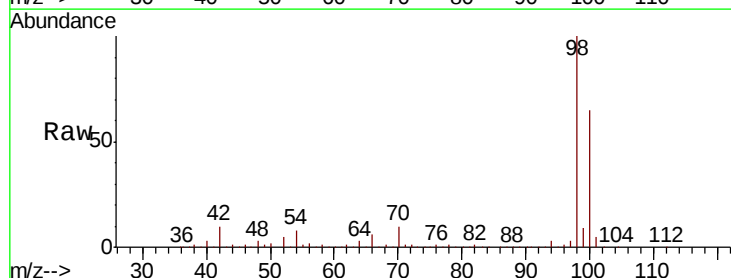
Acq: 04 Jul 2019 06:18

Tgt Ion: 98 Resp: 437149

Ion Ratio Lower Upper

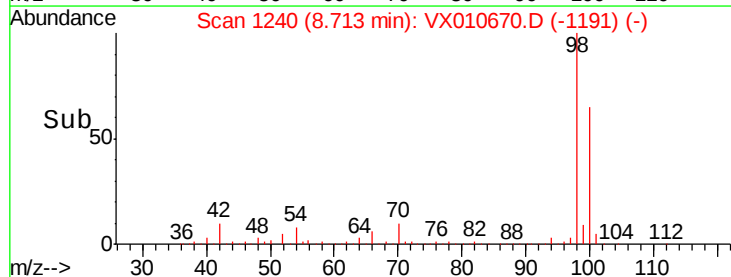
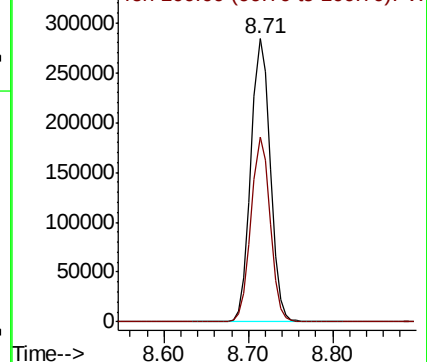
98 100

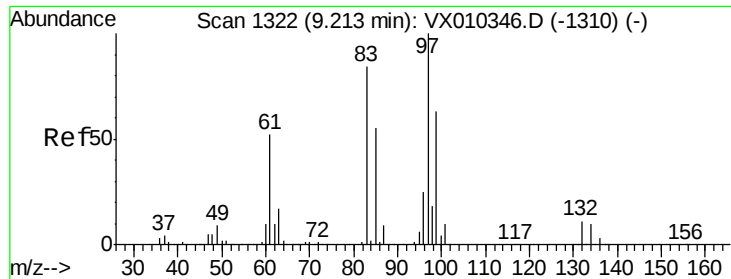
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

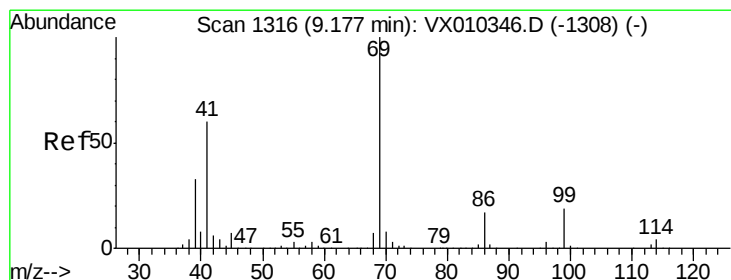
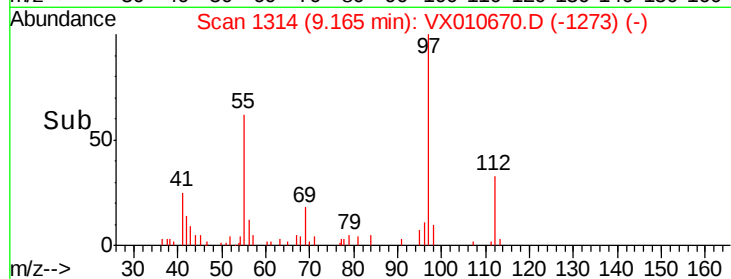
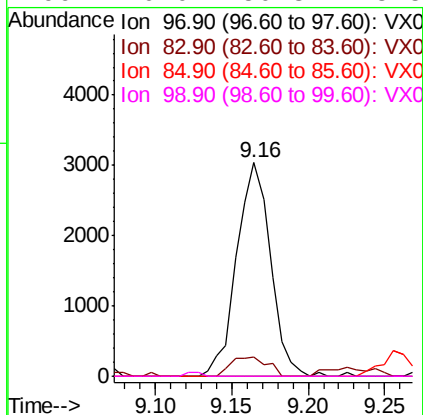
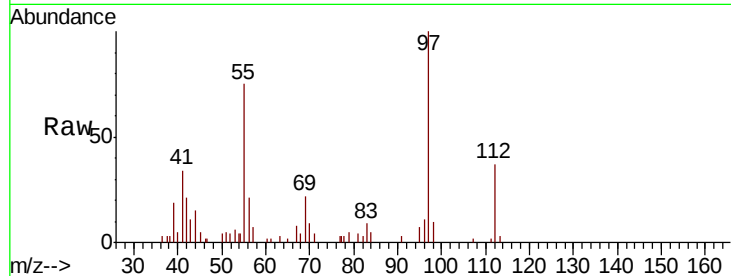




#55  
 1,1,2-Trichloroethane  
 Concen: 1.893 ug/l  
 RT: 9.16 min Scan# 1314  
 Delta R.T. -0.05 min  
 Lab File: VX010670.D  
 Acq: 04 Jul 2019 06:18

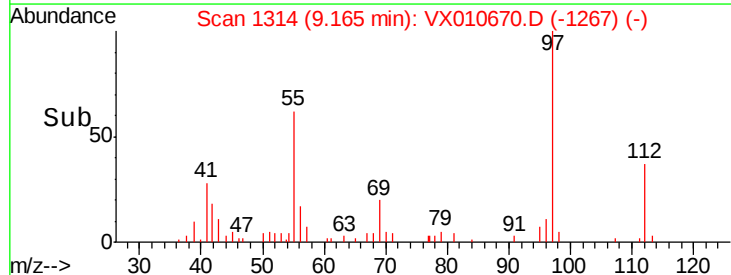
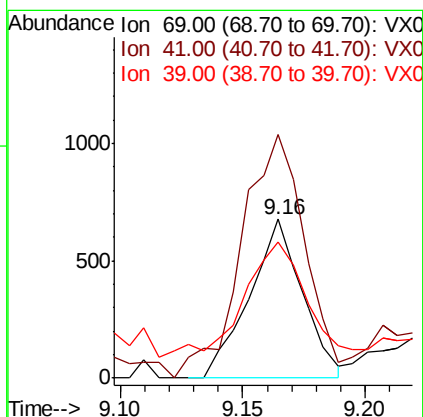
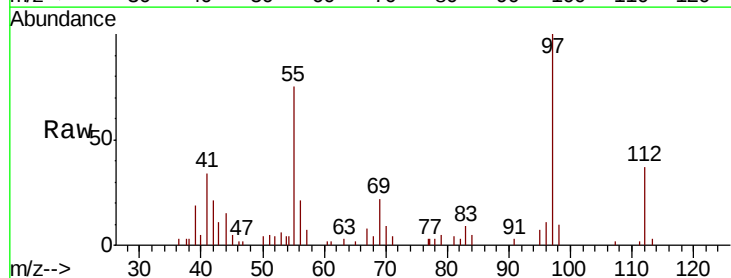
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW037-190701

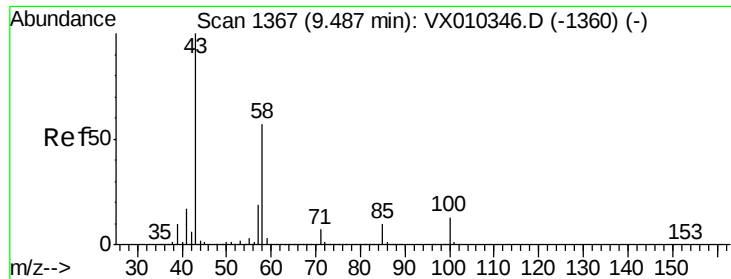
Tot Ion: 97 Resp: 4669  
 Ion Ratio Lower Upper  
 97 100  
 83 8.8 67.4 101.0#  
 85 0.0 43.8 65.8#  
 99 0.0 50.3 75.5#



#56  
 Ethyl methacrylate  
 Concen: 0.273 ug/l  
 RT: 9.16 min Scan# 1314  
 Delta R.T. -0.01 min  
 Lab File: VX010670.D  
 Acq: 04 Jul 2019 06:18

Tgt Ion: 69 Resp: 1020  
 Ion Ratio Lower Upper  
 69 100  
 41 184.6 47.1 70.7#  
 39 72.1 26.6 40.0#

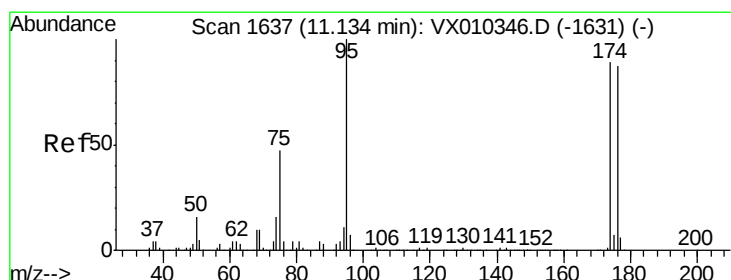
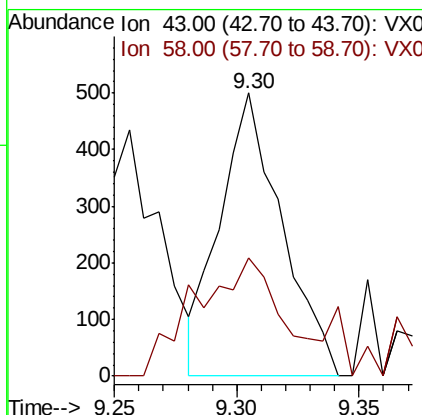
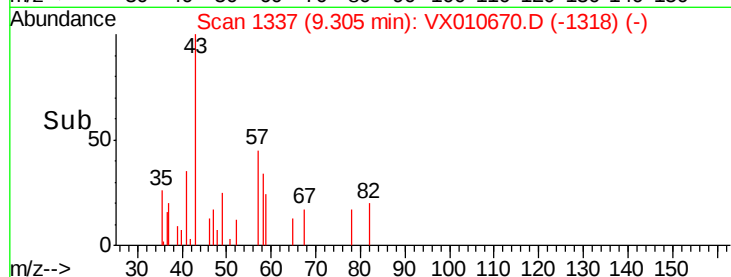
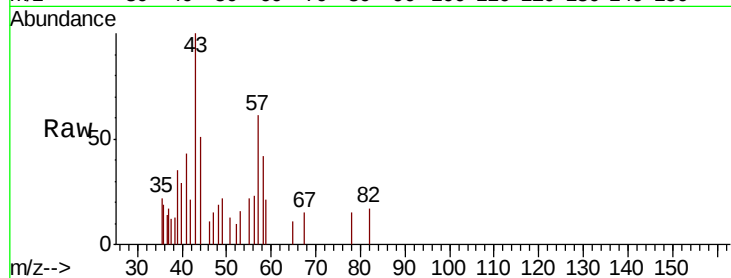




#59  
2-Hexanone  
Concen: 0.351 ug/l  
RT: 9.30 min Scan# 1337  
Delta R.T. -0.18 min  
Lab File: VX010670.D  
Acq: 04 Jul 2019 06:18

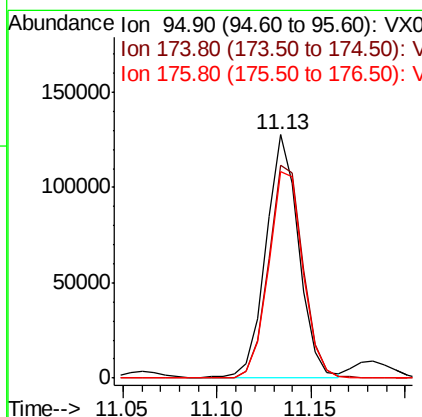
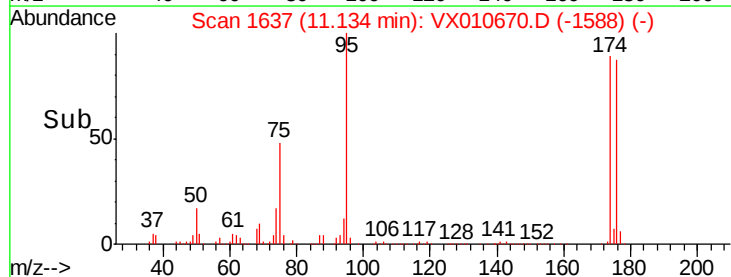
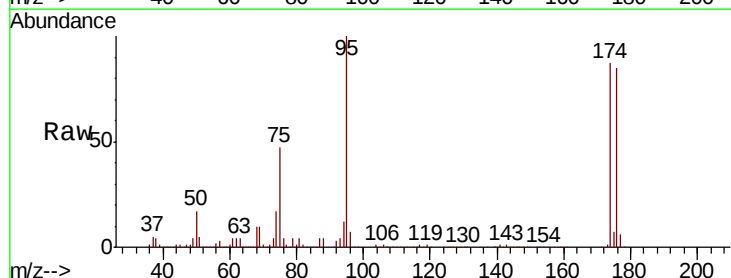
Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW037-190701

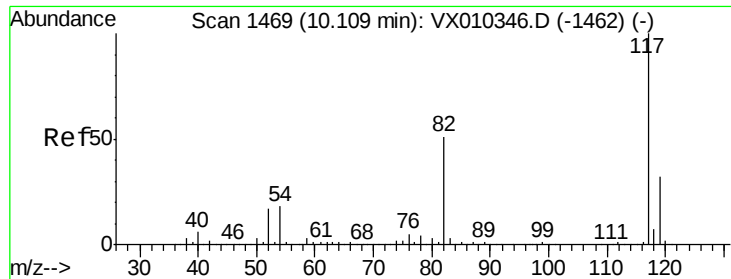
Tot Ion: 43 Resp: 877  
Ion Ratio Lower Upper  
43 100  
58 59.3 29.0 87.1



#62  
4-Bromofluorobenzene  
Concen: 49.221 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX010670.D  
Acq: 04 Jul 2019 06:18

Tgt Ion: 95 Resp: 152548  
Ion Ratio Lower Upper  
95 100  
174 92.8 0.0 187.6  
176 89.9 0.0 184.0

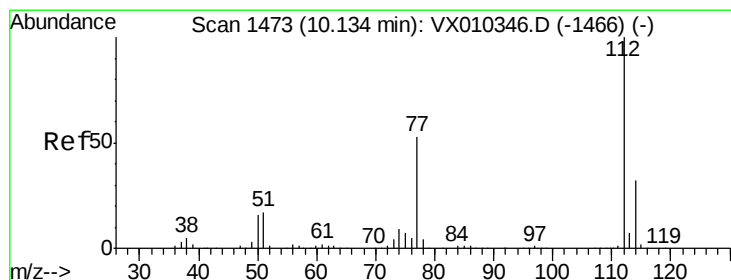
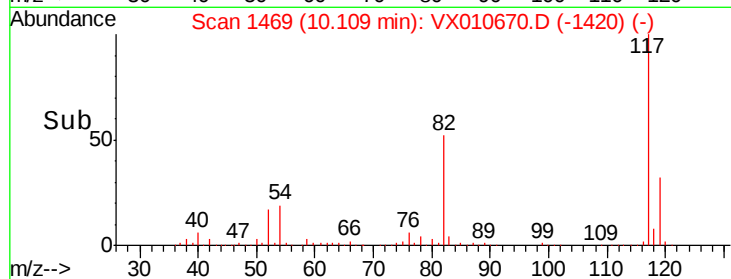
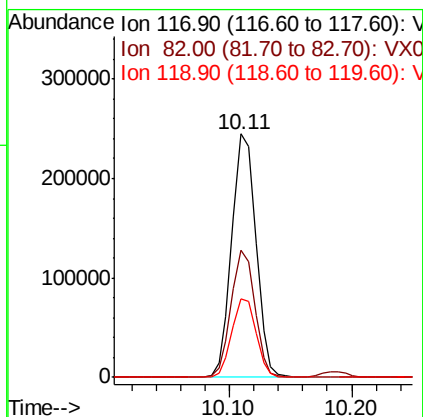
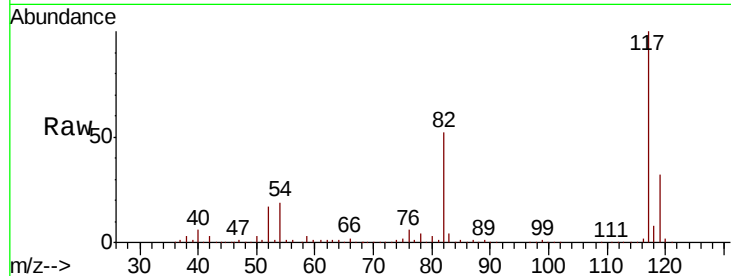




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX010670.D  
Acq: 04 Jul 2019 06:18

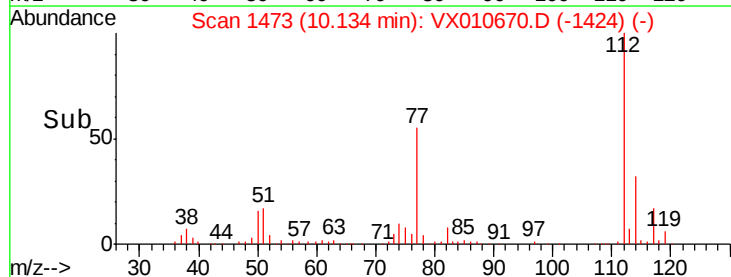
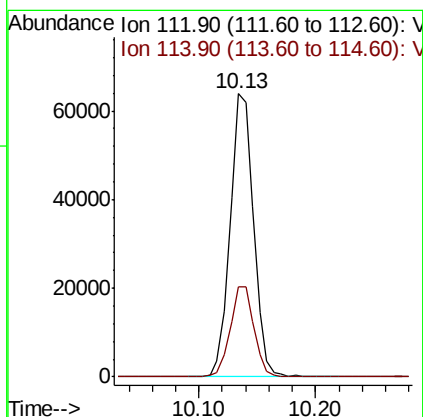
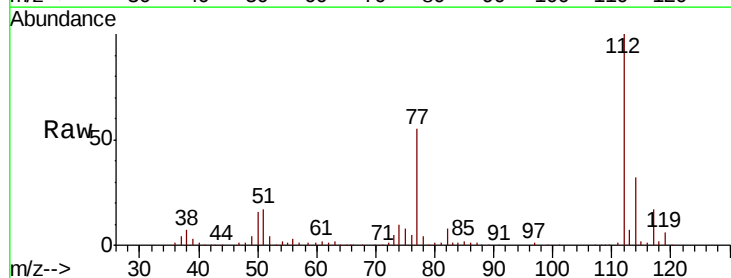
Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW037-190701

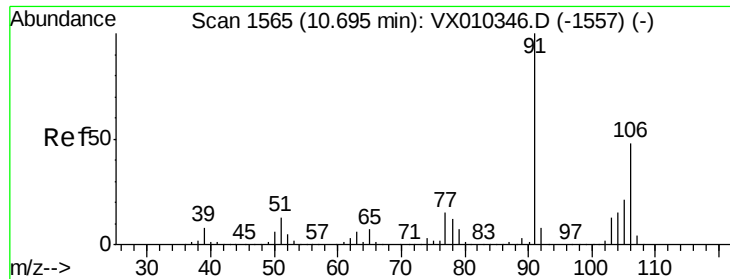
Tot Ion:117 Resp: 334501  
Ion Ratio Lower Upper  
117 100  
82 52.4 41.2 61.8  
119 32.4 25.5 38.3



#65  
Chlorobenzene  
Concen: 13.180 ug/l  
RT: 10.13 min Scan# 1473  
Delta R.T. 0.00 min  
Lab File: VX010670.D  
Acq: 04 Jul 2019 06:18

Tgt Ion:112 Resp: 89507  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.4 38.2

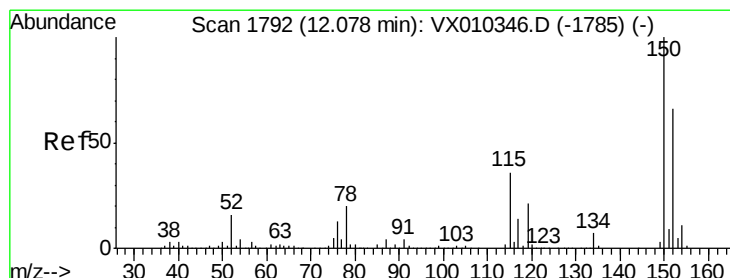
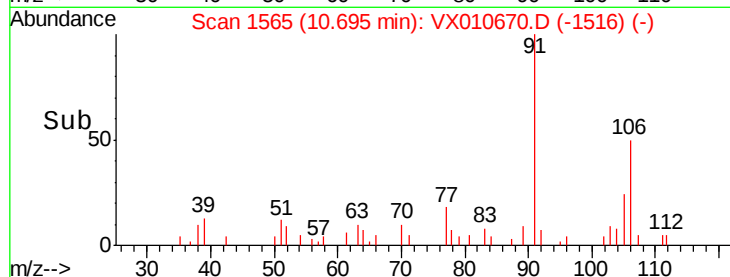
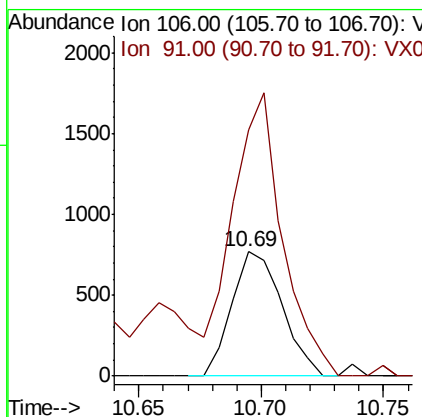
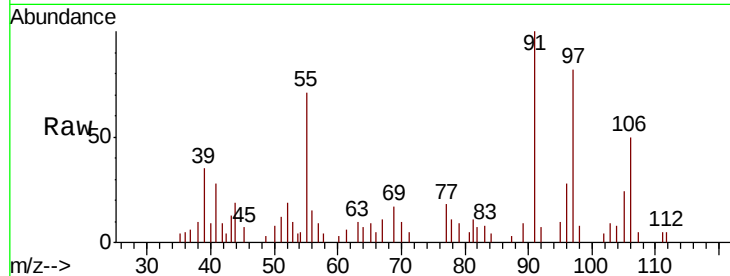




#69  
o-Xylene  
Concen: 0.251 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. 0.00 min  
Lab File: VX010670.D  
Acq: 04 Jul 2019 06:18

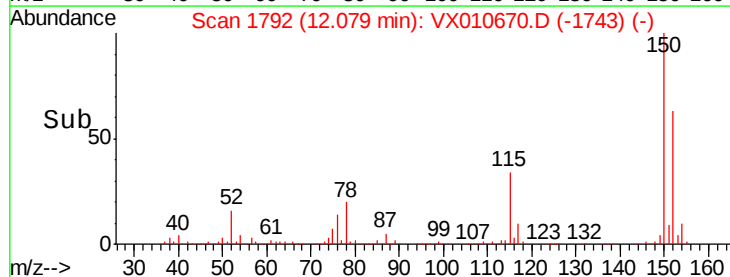
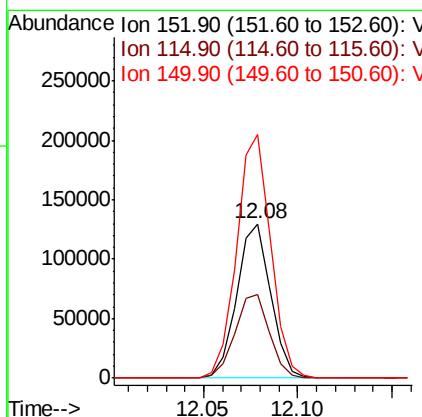
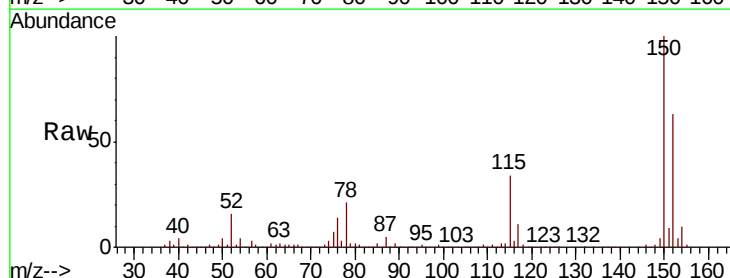
Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW037-190701

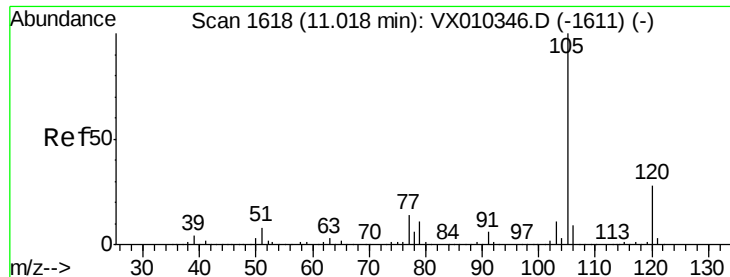
Tot Ion:106 Resp: 1098  
Ion Ratio Lower Upper  
106 100  
91 226.4 102.7 308.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX010670.D  
Acq: 04 Jul 2019 06:18

Tgt Ion:152 Resp: 161825  
Ion Ratio Lower Upper  
152 100  
115 54.9 38.6 115.7  
150 158.1 0.0 347.4





#73

Isopropylbenzene

Concen: 13.558 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

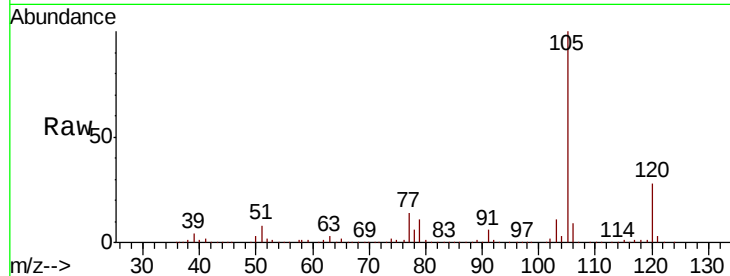
ST008MW037-190701

Tot Ion:105 Resp: 148728

Ion Ratio Lower Upper

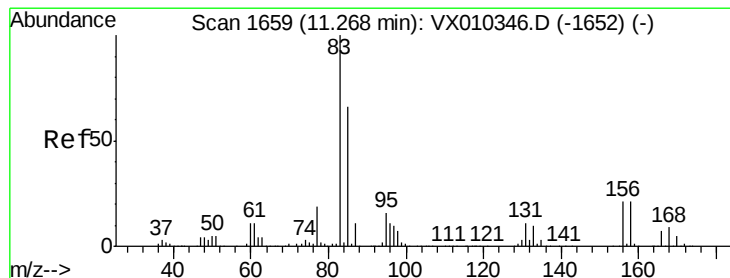
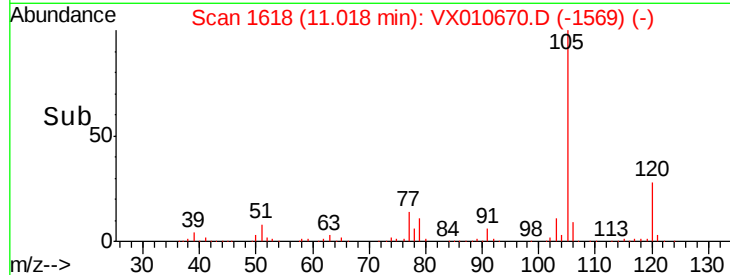
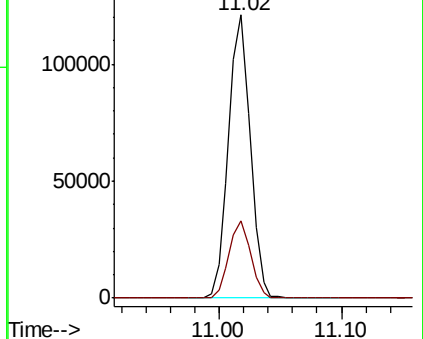
105 100

120 27.5 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: 0.440 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

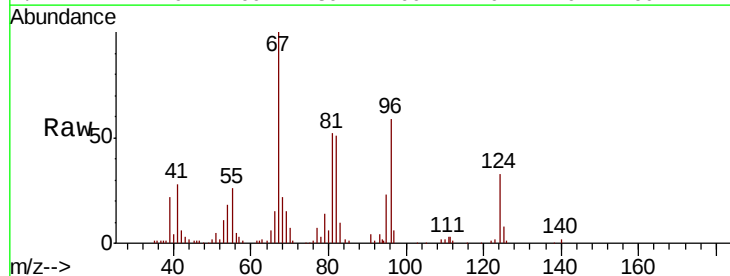
Tgt Ion: 83 Resp: 1600

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

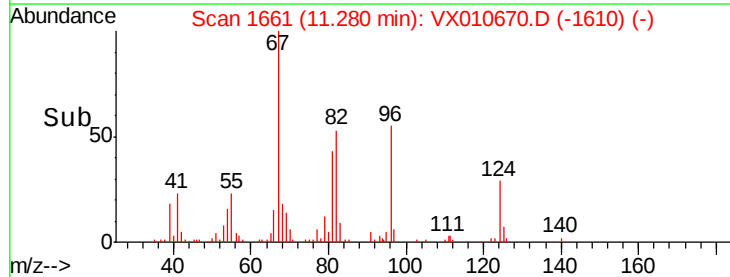
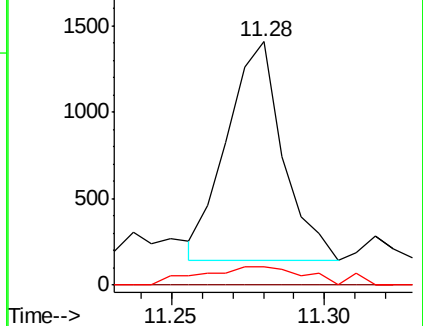
85 16.9 32.3 96.8#

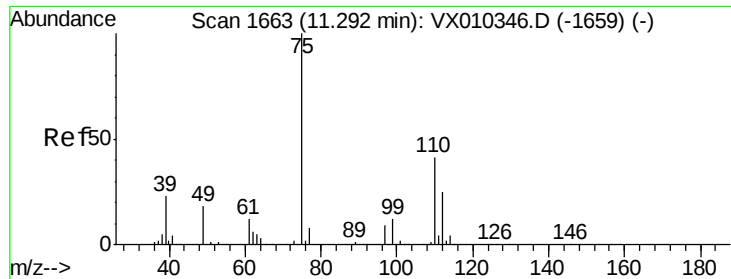


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 25.120 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

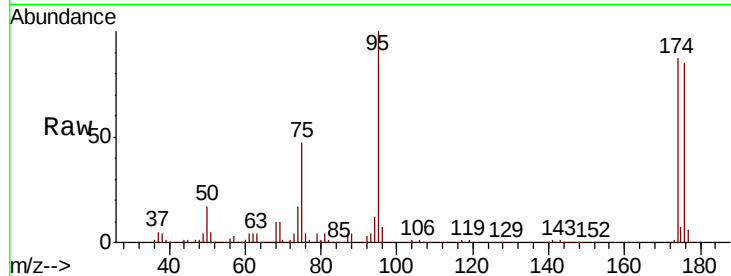
ST008MW037-190701

Tot Ion: 75 Resp: 74075

Ion Ratio Lower Upper

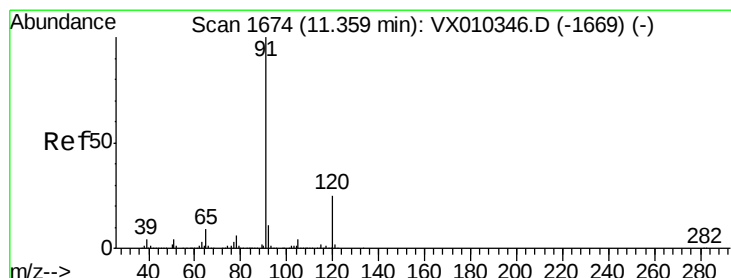
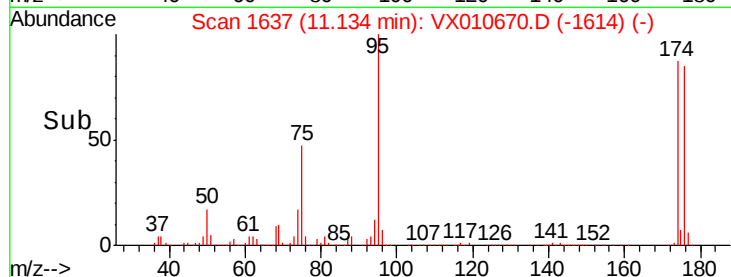
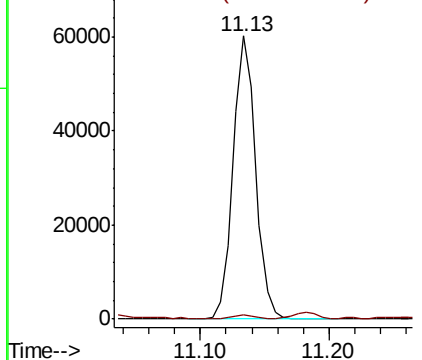
75 100

77 1.1 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 4.389 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010670.D

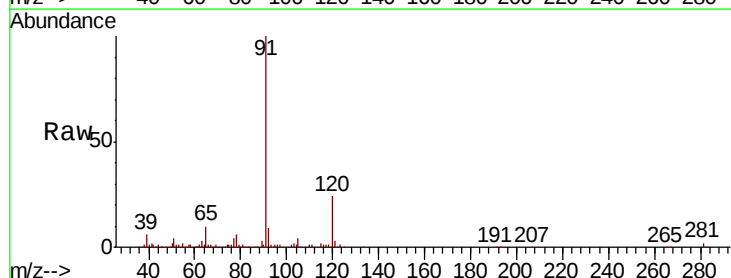
Acq: 04 Jul 2019 06:18

Tgt Ion: 91 Resp: 52918

Ion Ratio Lower Upper

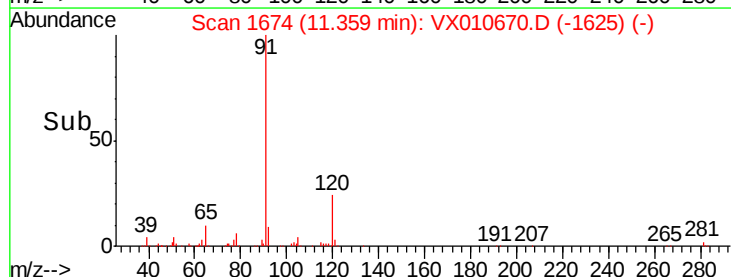
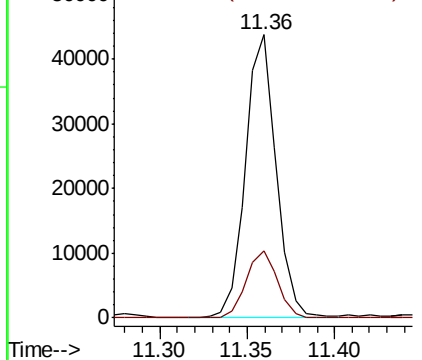
91 100

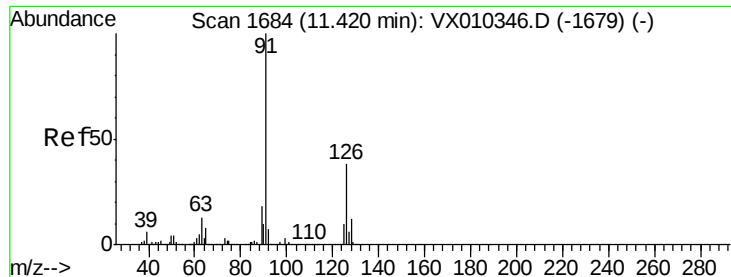
120 24.5 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

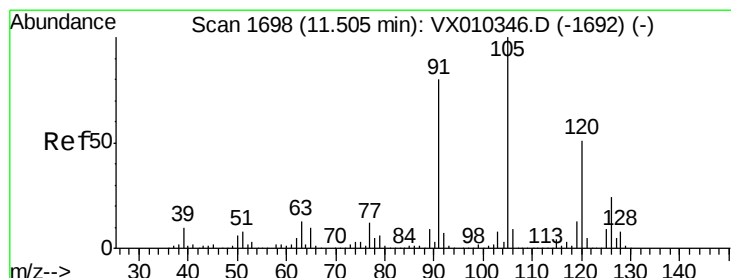
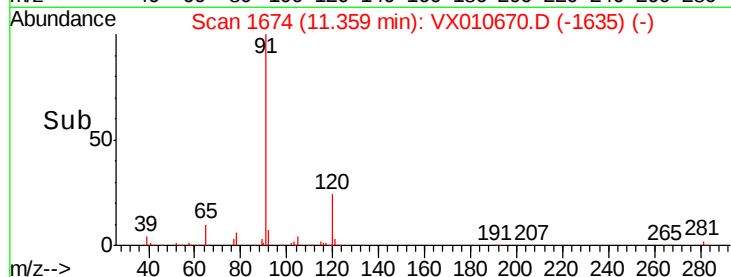
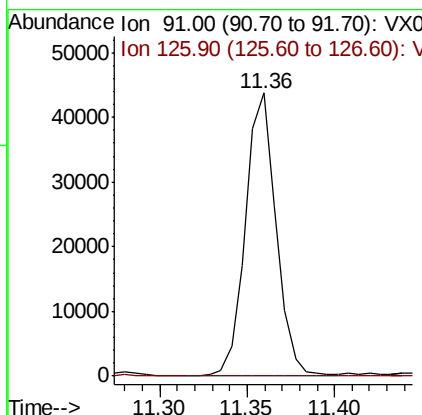
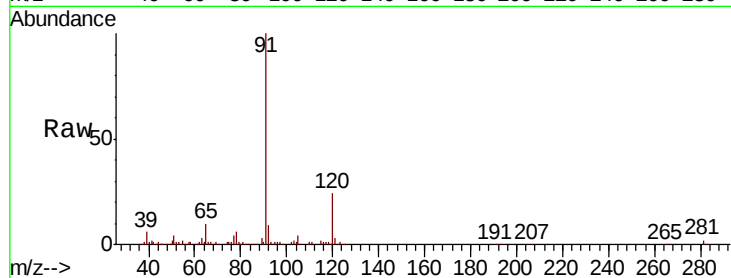




#79  
 2-Chlorotoluene  
 Concen: 7.371 ug/l  
 RT: 11.36 min Scan# 1674  
 Delta R.T. -0.06 min  
 Lab File: VX010670.D  
 Acq: 04 Jul 2019 06:18

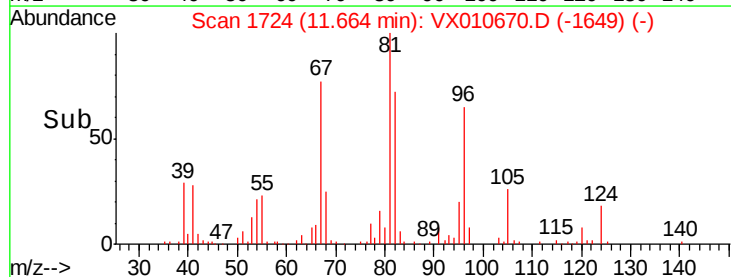
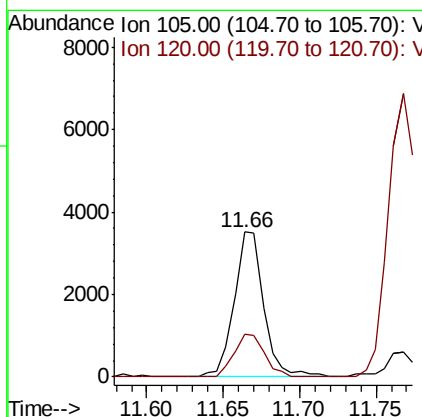
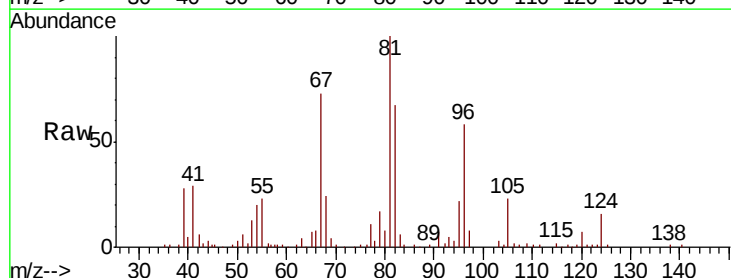
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW037-190701

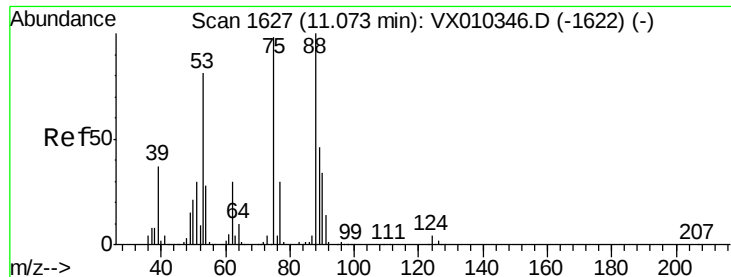
Tot Ion: 91 Resp: 52918  
 Ion Ratio Lower Upper  
 91 100  
 126 0.0 18.7 56.1#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.520 ug/l  
 RT: 11.66 min Scan# 1724  
 Delta R.T. 0.16 min  
 Lab File: VX010670.D  
 Acq: 04 Jul 2019 06:18

Tgt Ion: 105 Resp: 4707  
 Ion Ratio Lower Upper  
 105 100  
 120 30.2 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 58.602 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW037-190701

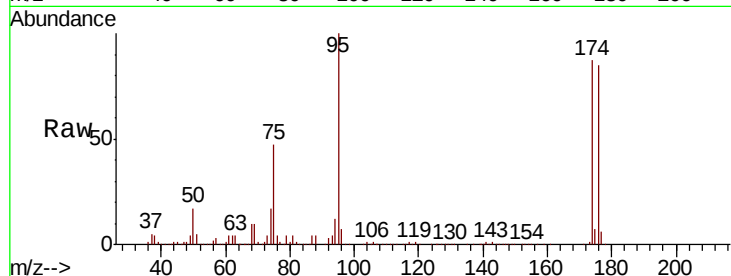
Tot Ion: 75 Resp: 74075

Ion Ratio Lower Upper

75 100

53 0.4 66.1 99.1#

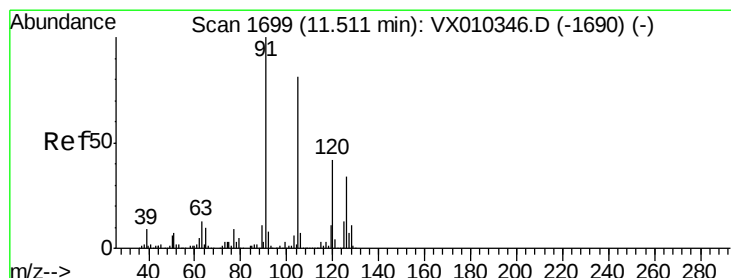
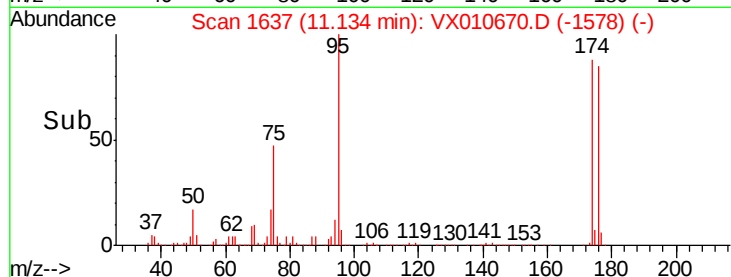
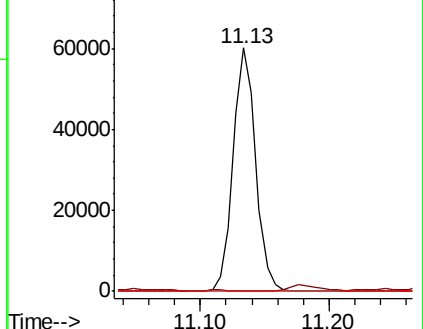
89 0.0 37.8 56.6#



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: 6.478 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX010670.D

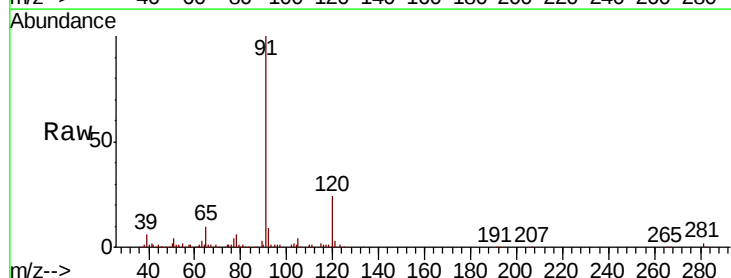
Acq: 04 Jul 2019 06:18

Tgt Ion: 91 Resp: 52918

Ion Ratio Lower Upper

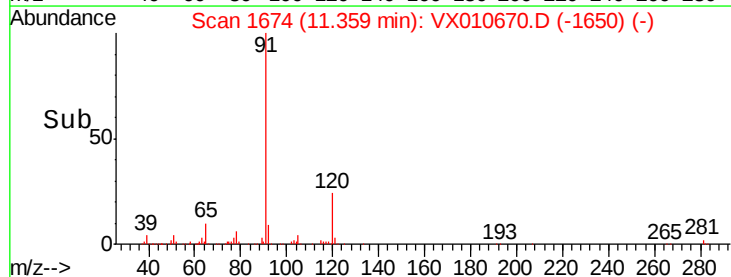
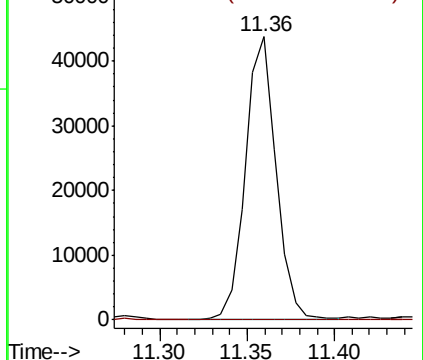
91 100

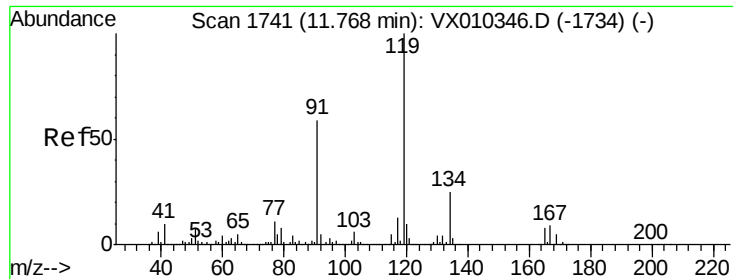
126 0.0 16.2 48.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

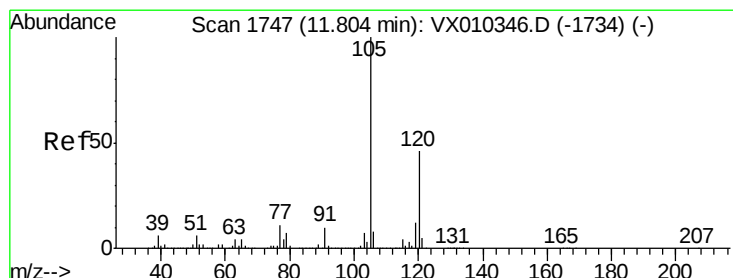
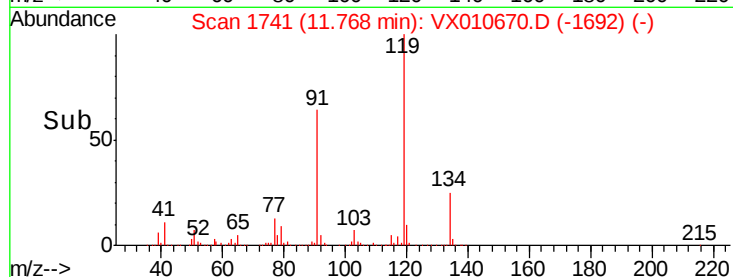
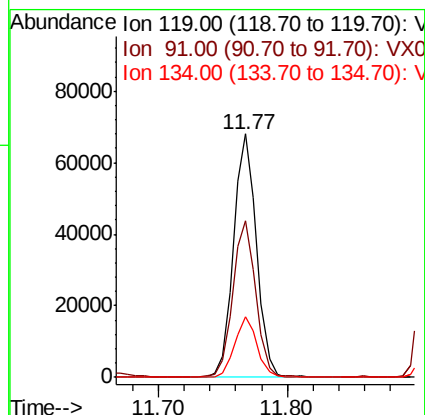
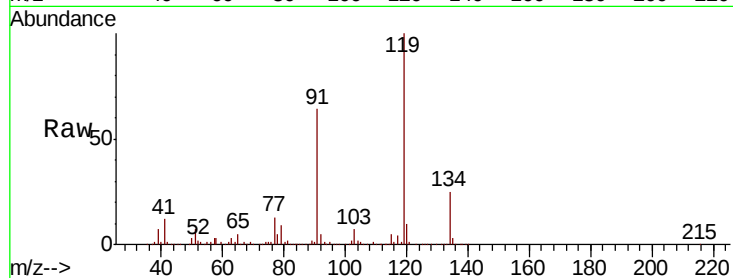




#83  
tert-Butylbenzene  
Concen: 9.330 ug/l  
RT: 11.77 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VX010670.D  
Acq: 04 Jul 2019 06:18

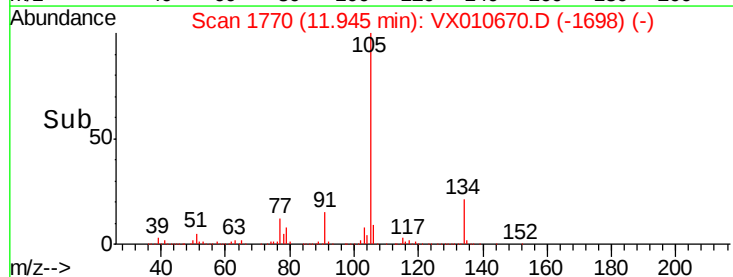
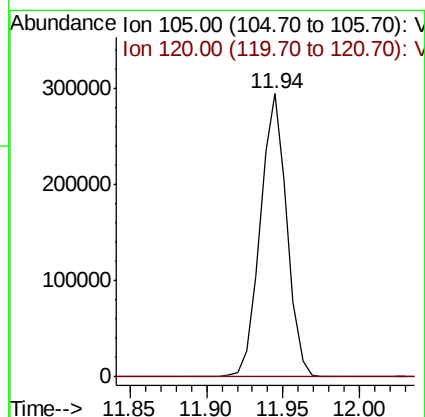
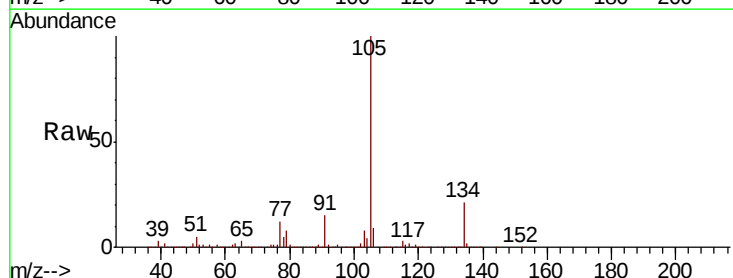
Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW037-190701

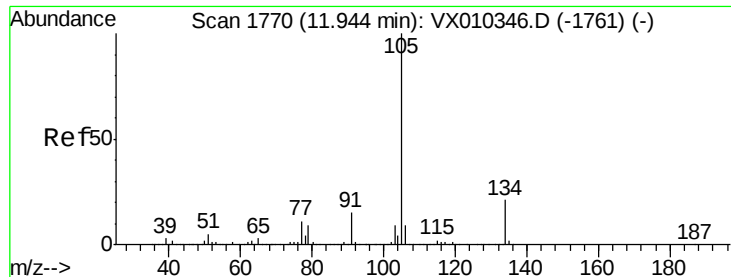
Tot Ion:119 Resp: 84680  
Ion Ratio Lower Upper  
119 100  
91 64.2 27.6 82.7  
134 24.1 11.8 35.4



#84  
1,2,4-Trimethylbenzene  
Concen: 39.045 ug/l  
RT: 11.94 min Scan# 1770  
Delta R.T. 0.14 min  
Lab File: VX010670.D  
Acq: 04 Jul 2019 06:18

Tgt Ion:105 Resp: 354749  
Ion Ratio Lower Upper  
105 100  
120 0.2 23.1 69.2#





#85

sec-Butylbenzene

Concen: 33.288 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

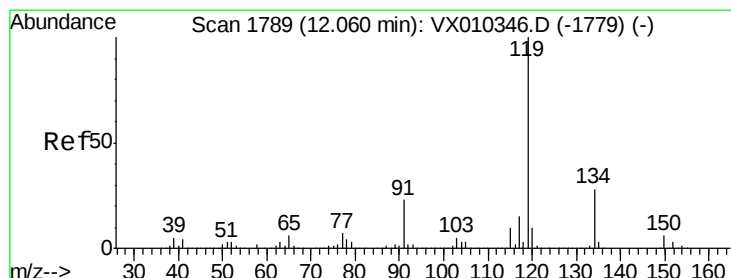
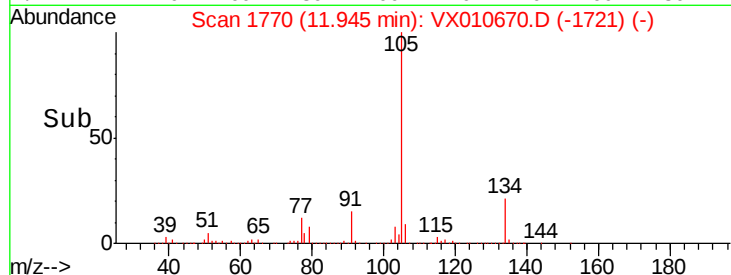
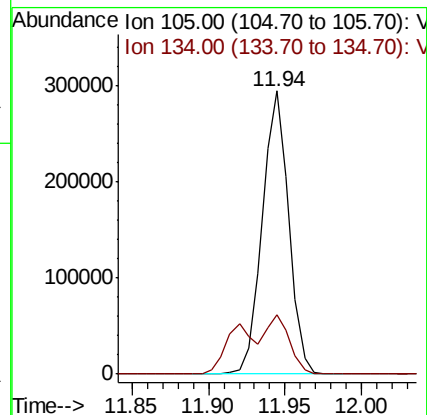
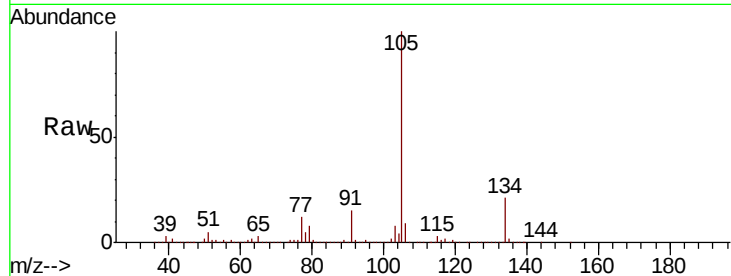
ST008MW037-190701

Tot Ion:105 Resp: 354749

Ion Ratio Lower Upper

105 100

134 18.6 10.7 31.9



#86

p-Isopropyltoluene

Concen: 37.309 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

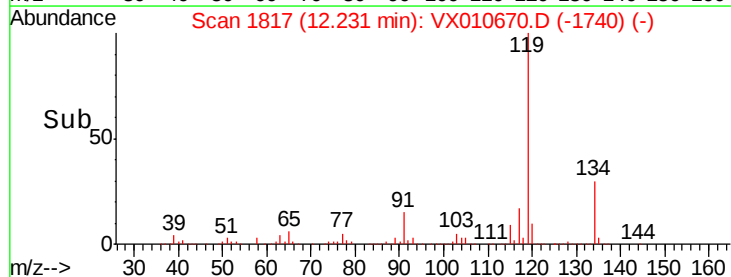
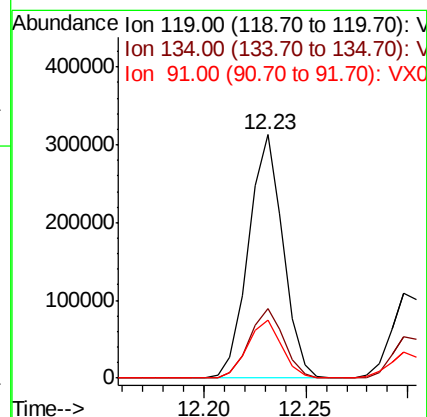
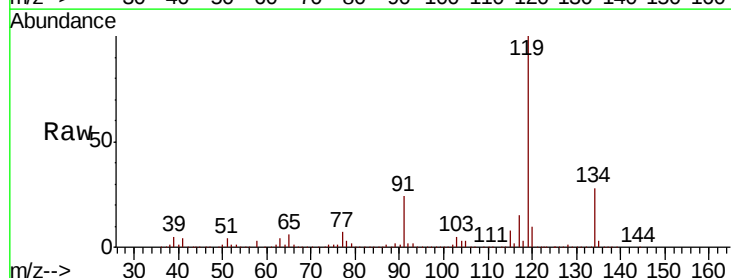
Tgt Ion:119 Resp: 367774

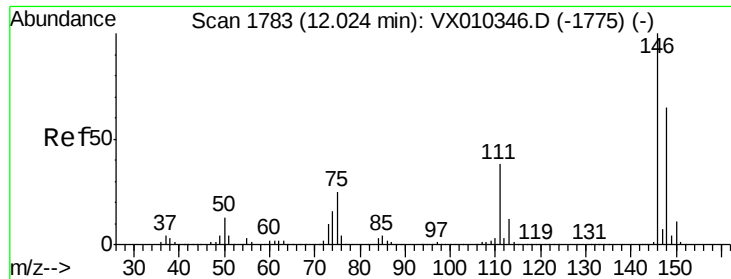
Ion Ratio Lower Upper

119 100

134 28.5 13.7 41.1

91 23.6 11.3 33.8

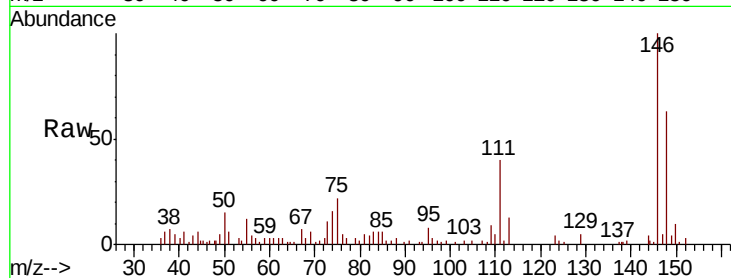




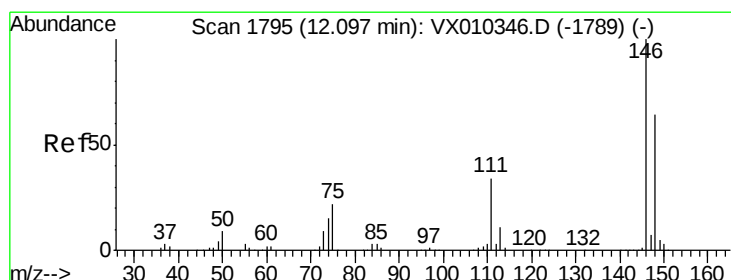
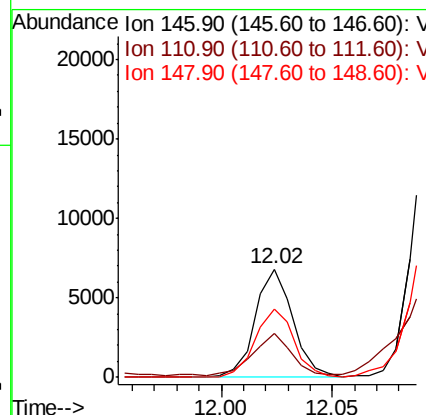
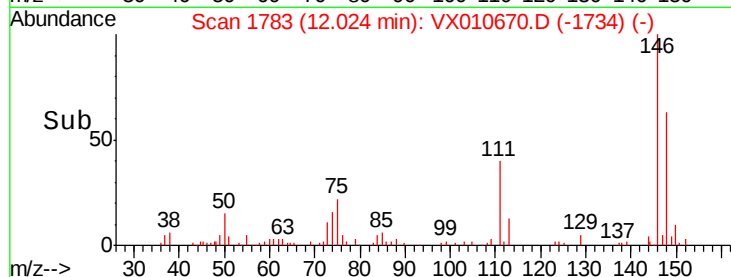
#87  
 1,3-Dichlorobenzene  
 Concen: 1.516 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX010670.D  
 Acq: 04 Jul 2019 06:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW037-190701

Tot Ion:146 Resp: 8106  
 Ion Ratio Lower Upper  
 146 100  
 111 41.2 19.1 57.1  
 148 64.5 32.5 97.4

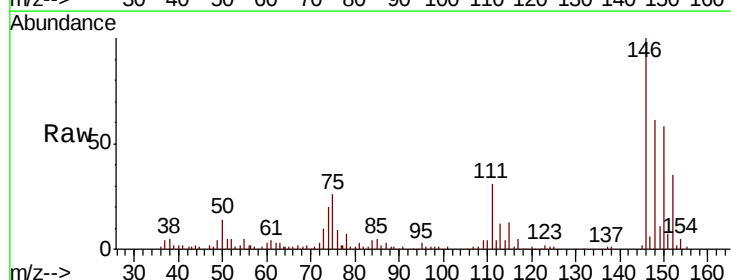


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

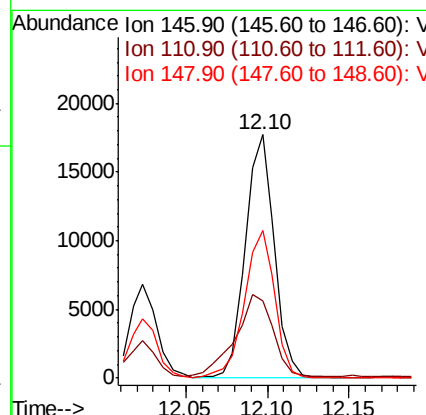
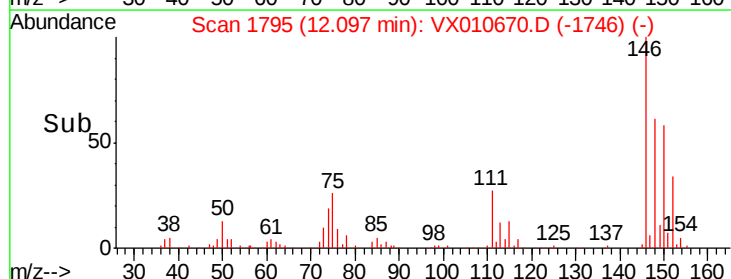


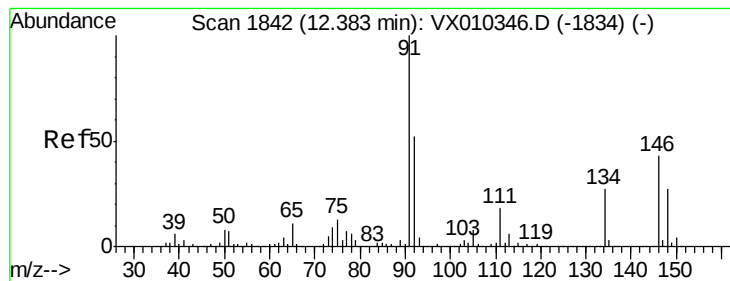
#88  
 1,4-Dichlorobenzene  
 Concen: 4.036 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX010670.D  
 Acq: 04 Jul 2019 06:18

Tgt Ion:146 Resp: 21971  
 Ion Ratio Lower Upper  
 146 100  
 111 44.2 18.1 54.3  
 148 63.6 32.1 96.3



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





#89

n-Butylbenzene

Concen: 2.431 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW037-190701

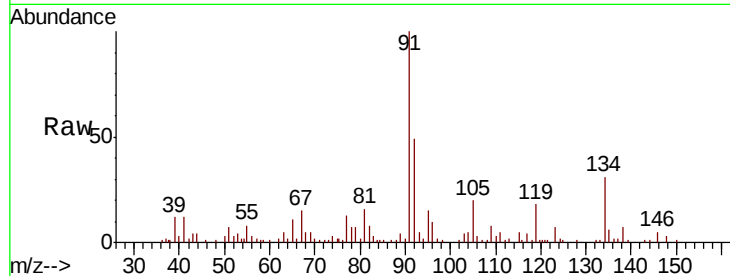
Tot Ion: 91 Resp: 20364

Ion Ratio Lower Upper

91 100

92 36.2 26.2 78.5

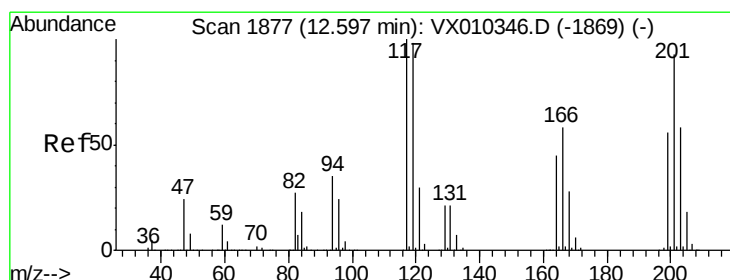
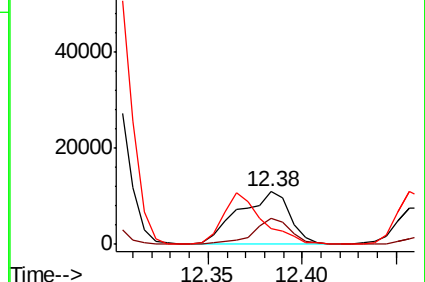
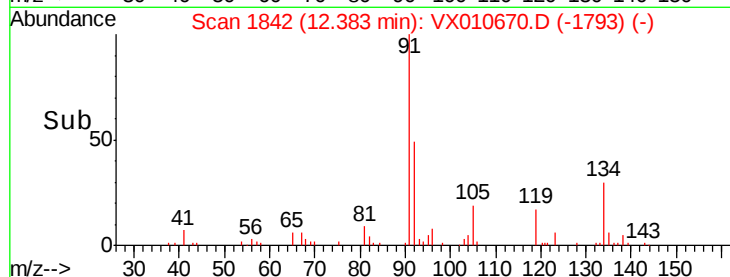
134 77.0 14.1 42.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 67.905 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX010670.D

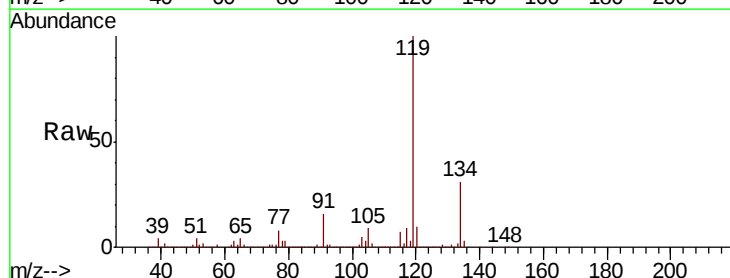
Acq: 04 Jul 2019 06:18

Tgt Ion: 117 Resp: 115744

Ion Ratio Lower Upper

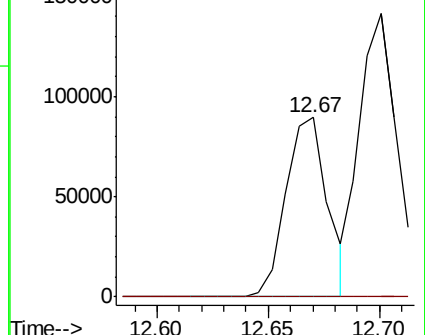
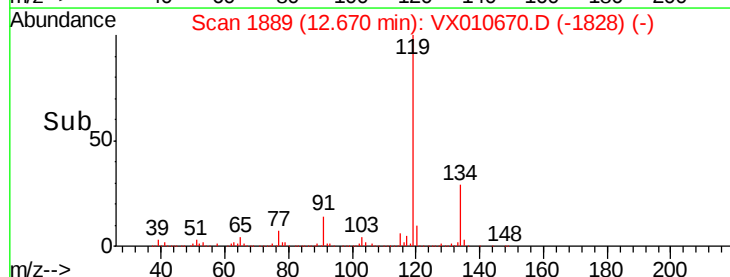
117 100

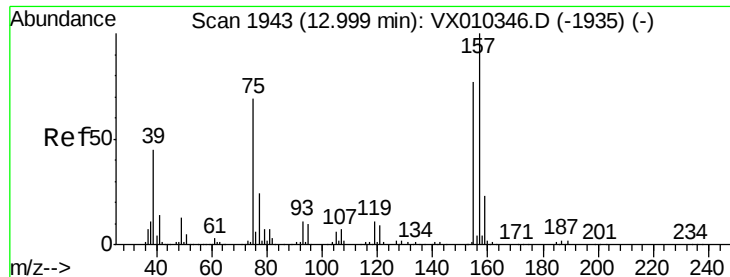
201 0.0 44.0 131.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 7.012 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW037-190701

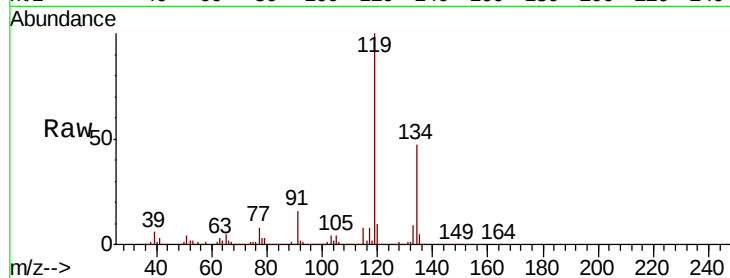
Tot Ion: 75 Resp: 5492

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

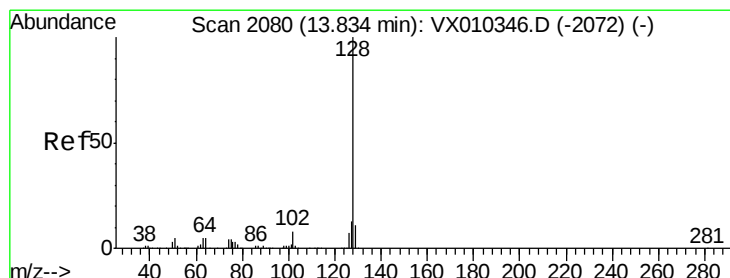
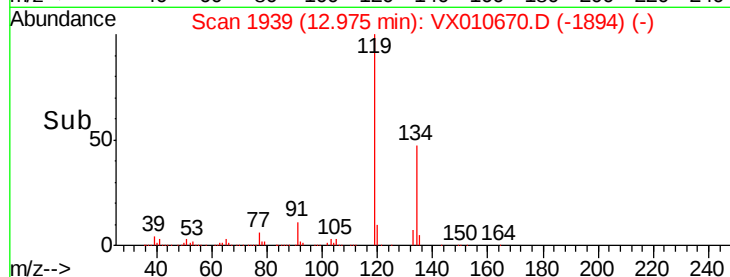
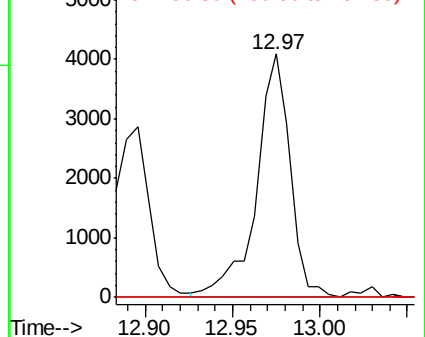
157 0.0 69.5 208.3#



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



#95

Naphthalene

Concen: 0.310 ug/l

RT: 13.80 min Scan# 2075

Delta R.T. -0.03 min

Lab File: VX010670.D

Acq: 04 Jul 2019 06:18

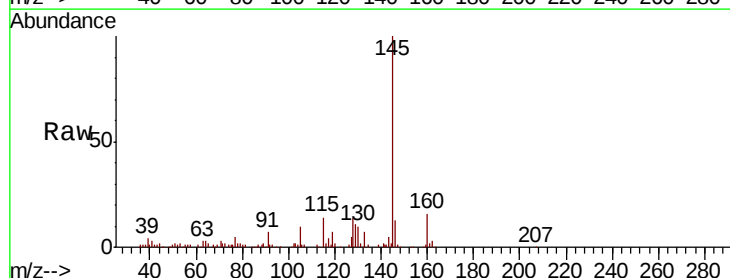
Tgt Ion:128 Resp: 3511

Ion Ratio Lower Upper

128 100

127 43.4 10.2 15.4#

129 74.2 8.9 13.3#



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

