

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032519\  
 Data File : VX008442.D  
 Acq On : 26 Mar 2019 03:58  
 Operator : JC/SP  
 Sample : K2059-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-7

Quant Time: Mar 26 06:10:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 26 04:58:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 235032   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 394018   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 341995   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 145141   | 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   | 165853   | 46.55 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.10% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 122512   | 47.69 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.38% |          |
| 50) Toluene-d8              | 8.71  | 98   | 499056   | 48.58 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.16% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 172503   | 45.31 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.62% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.28  | 50   | 1166     | Below Cal | #      | 53     |
| 5) Bromomethane                | 1.62  | 94   | 64       | 1.838     | ug/l # | 3      |
| 10) Methyl Iodide              | 2.51  | 142  | 47       | 4.146     | ug/l # | 42     |
| 11) Tert butyl alcohol         | 3.04  | 59   | 1710     | 2.166     | ug/l # | 72     |
| 13) Acrolein                   | 2.26  | 56   | 4132     | 7.208     | ug/l # | 1      |
| 14) Allyl chloride             | 2.84  | 41   | 15097    | 2.506     | ug/l # | 28     |
| 15) Acrylonitrile              | 3.17  | 53   | 1768     | 0.854     | ug/l # | 41     |
| 16) Acetone                    | 2.44  | 43   | 5840     | 3.136     | ug/l   | 91     |
| 18) Methyl Acetate             | 2.84  | 43   | 33675    | 7.529     | ug/l # | 55     |
| 19) Methyl tert-butyl Ether    | 3.20  | 73   | 7575     | 0.769     | ug/l # | 1      |
| 20) Methylene Chloride         | 2.87  | 84   | 778      | Below Cal | #      | 43     |
| 21) trans-1,2-Dichloroethene   | 3.07  | 96   | 19       | Below Cal | #      | 1      |
| 25) 2-Butanone                 | 4.69  | 43   | 1152     | 0.386     | ug/l   | 91     |
| 31) Cyclohexane                | 5.57  | 56   | 25336    | 4.436     | ug/l   | 98     |
| 36) 1,1-Dichloropropene        | 5.66  | 75   | 20177    | 4.803     | ug/l # | 52     |
| 38) Carbon Tetrachloride       | 5.66  | 117  | 23243    | 6.630     | ug/l # | 15     |
| 39) Methylcyclohexane          | 7.46  | 83   | 13785    | 2.746     | ug/l   | 96     |
| 40) Benzene                    | 6.14  | 78   | 846789   | 67.328    | ug/l   | 100    |
| 48) Methyl methacrylate        | 7.73  | 41   | 1352     | 0.310     | ug/l # | 20     |
| 49) 1,4-Dioxane                | 7.85  | 88   | 26       | 0.300     | ug/l # | 22     |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 4150     | 0.734     | ug/l   | 97     |
| 52) Toluene                    | 8.78  | 92   | 24317    | 3.234     | ug/l   | 98     |
| 55) 1,1,2-Trichloroethane      | 9.16  | 97   | 3053     | 0.997     | ug/l # | 18     |
| 59) 2-Hexanone                 | 9.51  | 43   | 1437     | 0.328     | ug/l   | 94     |
| 67) Ethyl Benzene              | 10.25 | 91   | 64522    | 4.597     | ug/l   | 96     |
| 68) m/p-Xylenes                | 10.36 | 106  | 29770    | 5.830     | ug/l   | 99     |
| 69) o-Xylene                   | 10.70 | 106  | 1770     | 0.357     | ug/l   | 92     |
| 73) Isopropylbenzene           | 11.02 | 105  | 61716    | 5.227     | ug/l   | 100    |
| 74) N-amyl acetate             | 10.94 | 43   | 2057     | 0.301     | ug/l # | 49     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 87824    | 20.354    | ug/l # | 34     |
| 78) n-propylbenzene            | 11.36 | 91   | 46804    | 3.384     | ug/l   | 99     |
| 79) 2-Chlorotoluene            | 11.36 | 91   | 46804    | 5.563     | ug/l # | 43     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 87824    | 65.190    | ug/l # | 9      |
| 82) 4-Chlorotoluene            | 11.36 | 91   | 46804    | 4.823     | ug/l # | 47     |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032519\  
Data File : VX008442.D  
Acq On : 26 Mar 2019 03:58  
Operator : JC/SP  
Sample : K2059-08  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 37 Sample Multiplier: 1

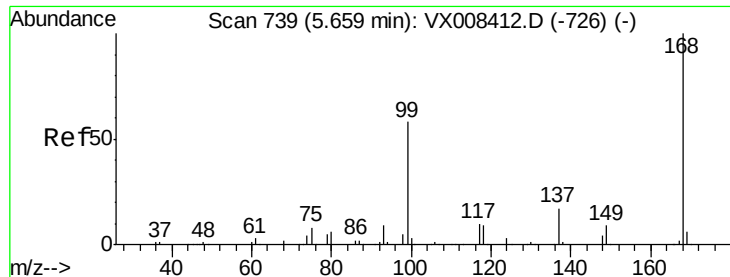
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7

Quant Time: Mar 26 06:10:51 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 26 04:58:03 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 85) sec-Butylbenzene           | 11.94 | 105  | 2955     | 0.258 | ug/l   | 93       |
| 89) n-Butylbenzene             | 12.38 | 91   | 3474     | 0.362 | ug/l # | 73       |
| 90) Hexachloroethane           | 12.66 | 117  | 2358     | 1.399 | ug/l # | 10       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.97 | 75   | 266      | 0.266 | ug/l # | 4        |
| 95) Naphthalene                | 13.83 | 128  | 2962     | 0.250 | ug/l # | 84       |

(#) = 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. 0.01 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Instrument :

MSVOA\_X

ClientSampleId :

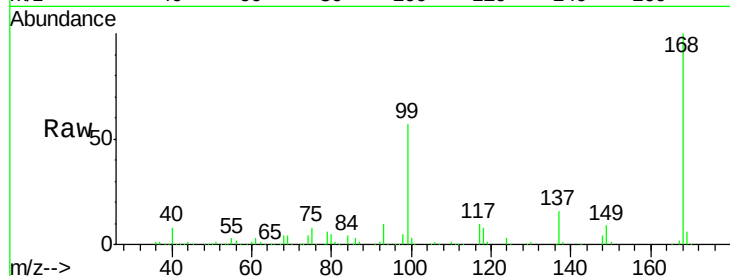
MW-7

Tot Ion:168 Resp: 235032

Ion Ratio Lower Upper

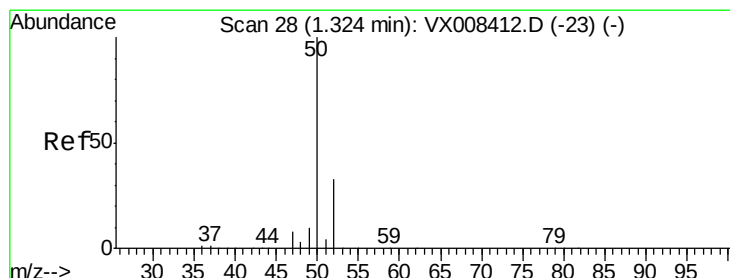
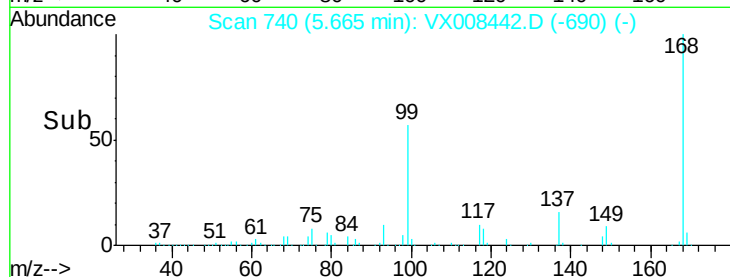
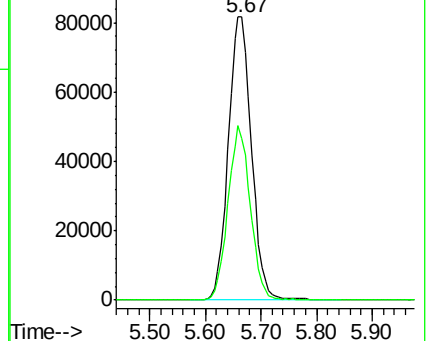
168 100

99 57.3 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.28 min Scan# 20

Delta R.T. -0.05 min

Lab File: VX008442.D

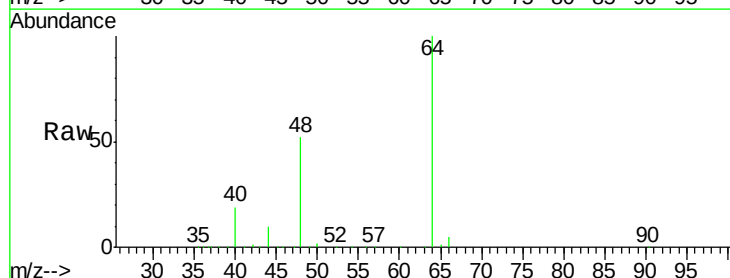
Acq: 26 Mar 2019 03:58

Tgt Ion: 50 Resp: 1166

Ion Ratio Lower Upper

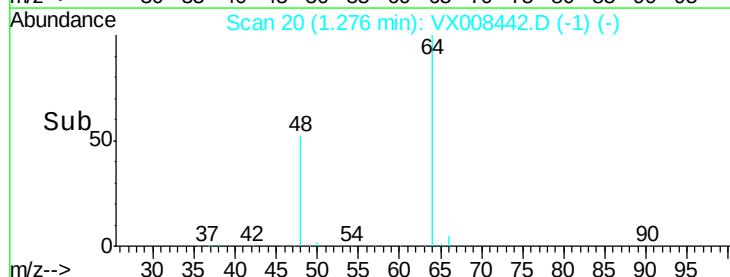
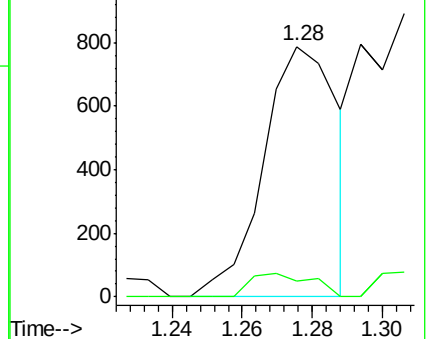
50 100

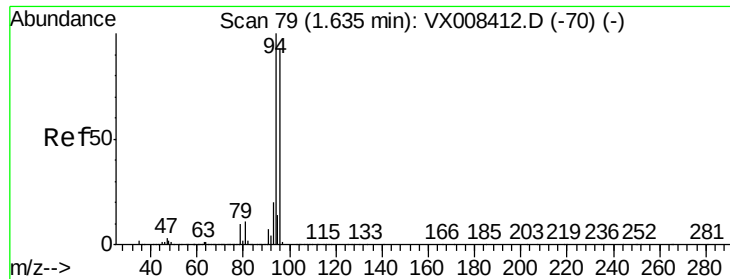
52 6.5 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.838 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Instrument :

MSVOA\_X

ClientSampled :

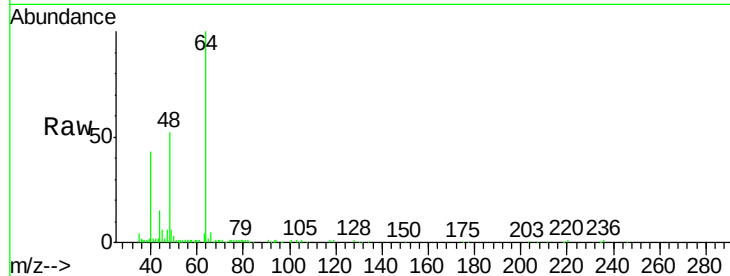
MW-7

Tot Ion: 94 Resp: 64

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

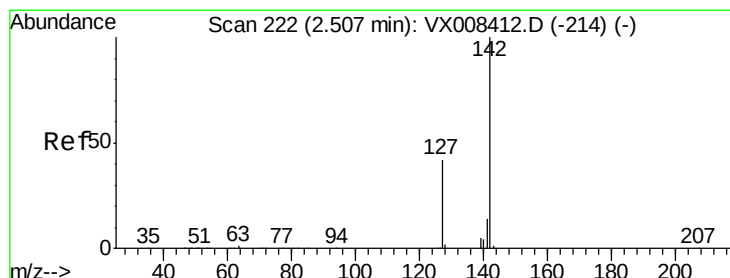
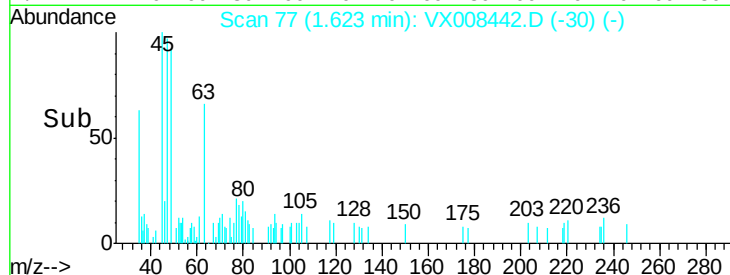
1.62

100

50

0

Time-->



#10

Methyl Iodide

Concen: 4.146 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

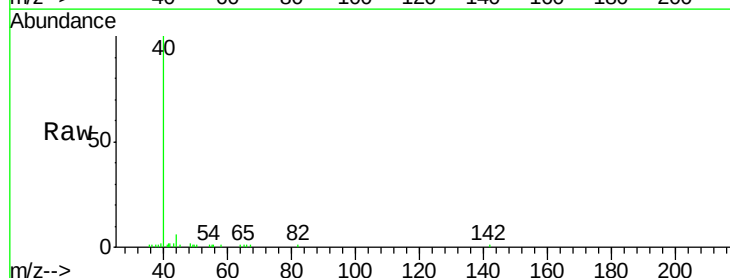
Tgt Ion: 142 Resp: 47

Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

80

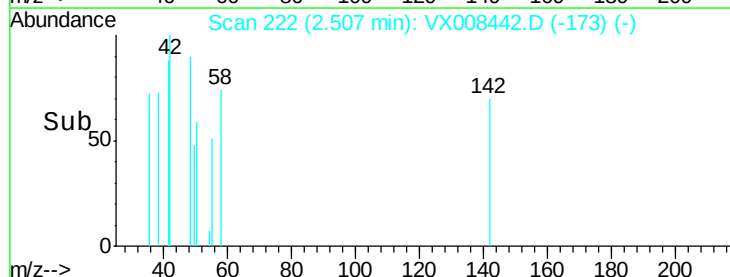
60

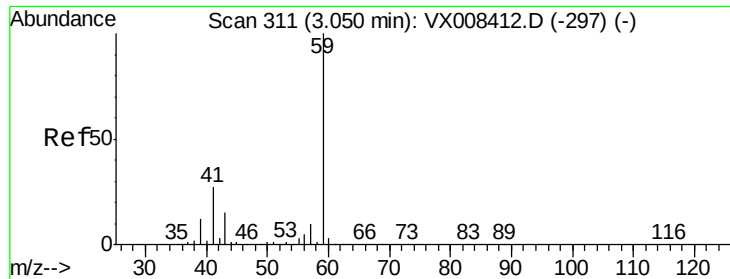
40

20

0

Time-->



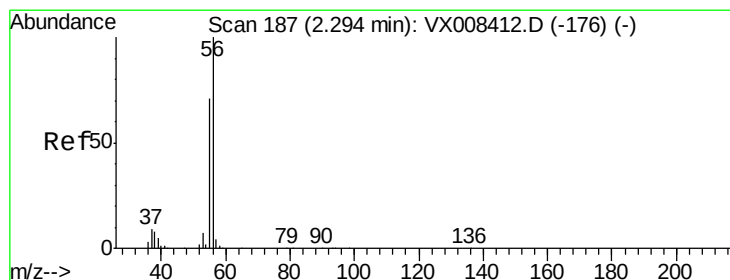
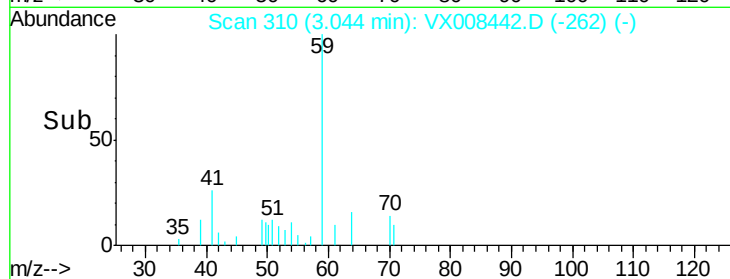
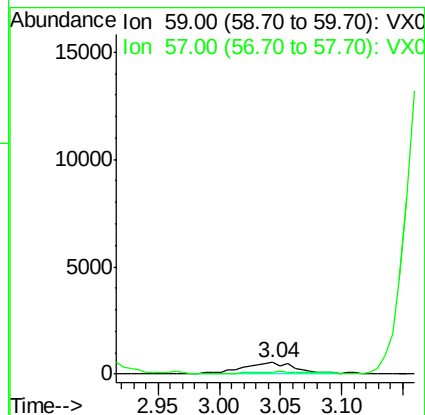
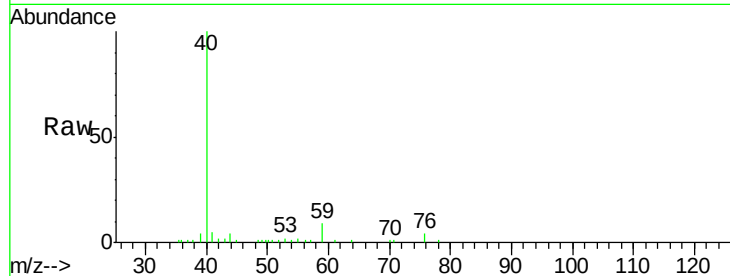


#11

Tert butyl alcohol  
Concen: 2.166 ug/l  
RT: 3.04 min Scan# 310  
Delta R.T. -0.01 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-7

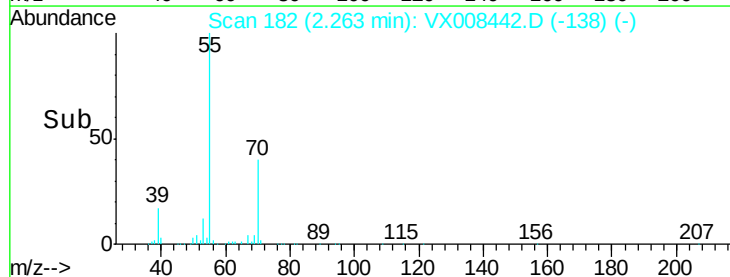
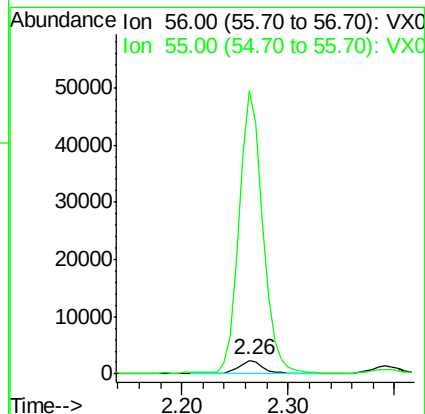
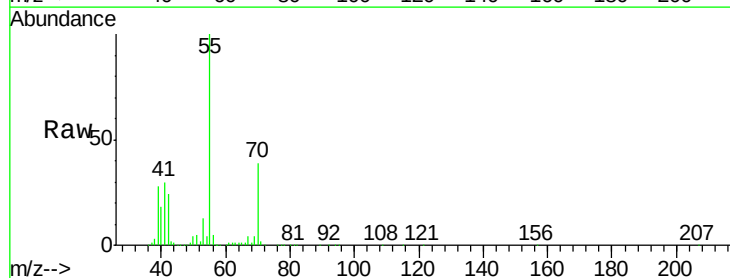
Tot Ion: 59 Resp: 1710  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#

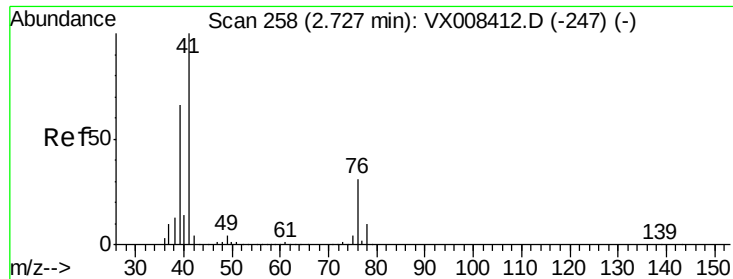


#13

Acrolein  
Concen: 7.208 ug/l  
RT: 2.26 min Scan# 182  
Delta R.T. -0.03 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

Tgt Ion: 56 Resp: 4132  
Ion Ratio Lower Upper  
56 100  
55 1862.6 56.5 84.7#

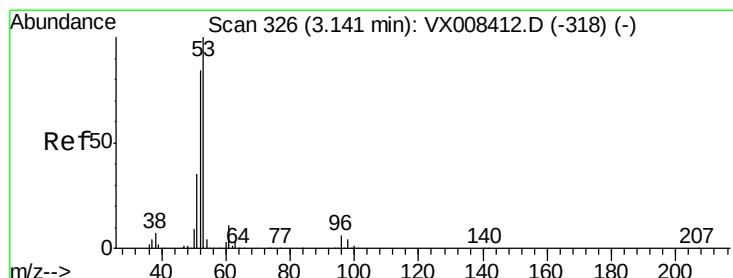
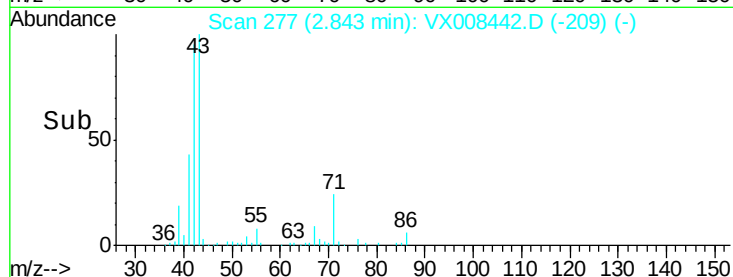
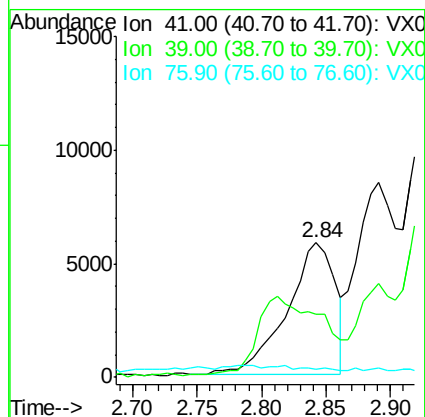
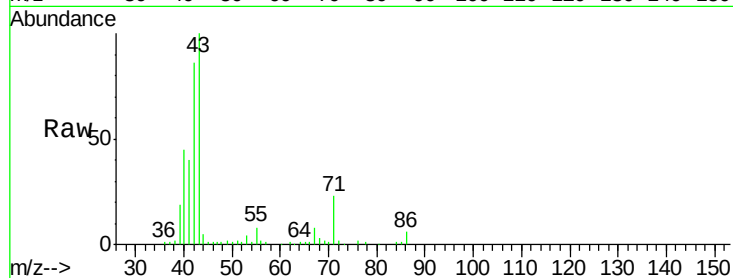




#14  
Allvl chloride  
Concen: 2.506 ug/l  
RT: 2.84 min Scan# 277  
Delta R.T. 0.12 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

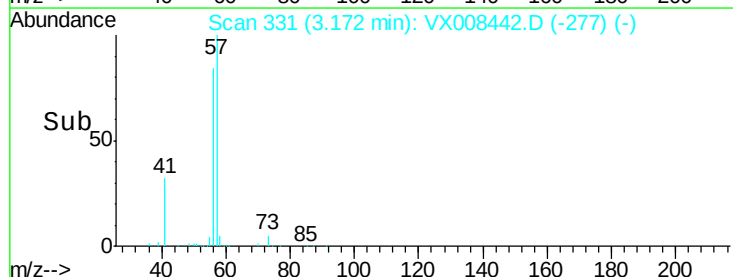
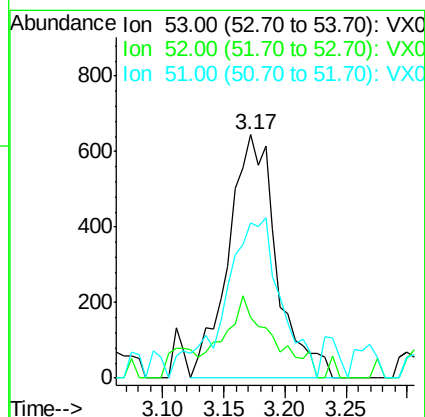
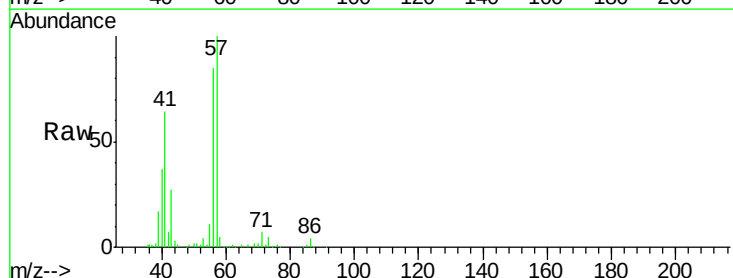
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7

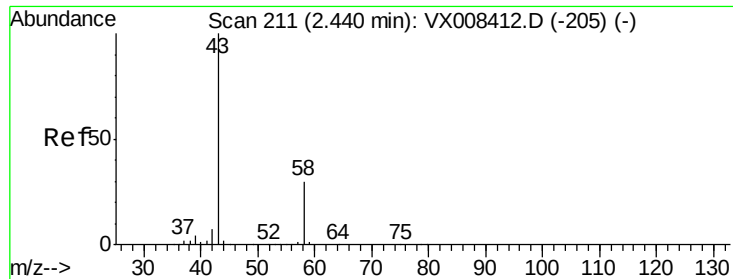
Tot Ion: 41 Resp: 15097  
Ion Ratio Lower Upper  
41 100  
39 0.0 49.6 74.4#  
76 0.0 22.6 34.0#



#15  
Acrylonitrile  
Concen: 0.854 ug/l  
RT: 3.17 min Scan# 331  
Delta R.T. 0.03 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

Tgt Ion: 53 Resp: 1768  
Ion Ratio Lower Upper  
53 100  
52 33.9 66.5 99.7#  
51 76.3 28.3 42.5#





#16

Acetone

Concen: 3.136 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Instrument :

MSVOA\_X

ClientSampleId :

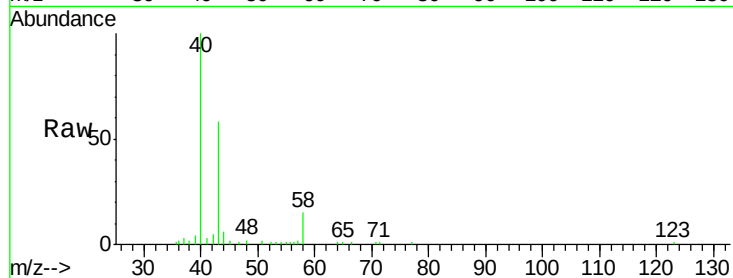
MW-7

Tot Ion: 43 Resp: 5840

Ion Ratio Lower Upper

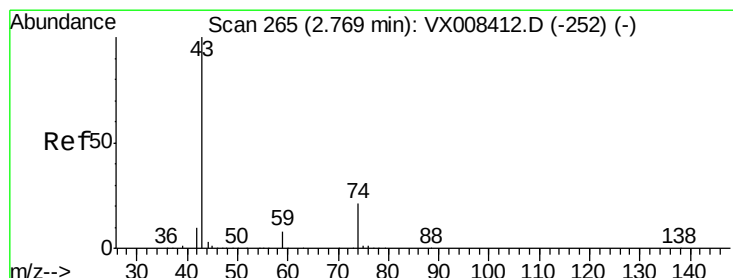
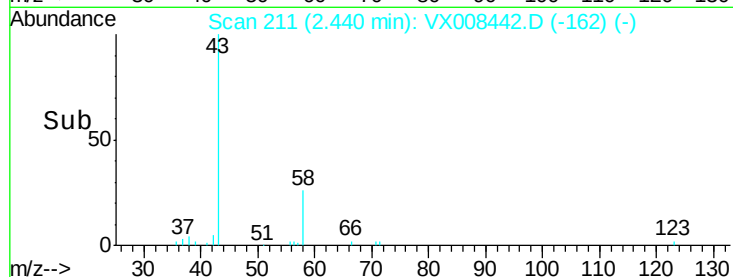
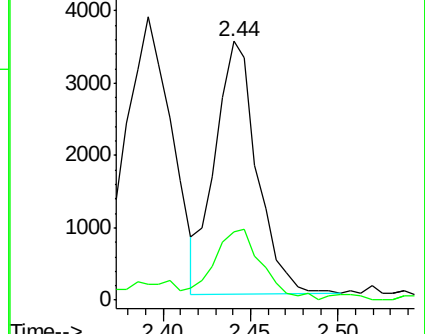
43 100

58 25.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 7.529 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX008442.D

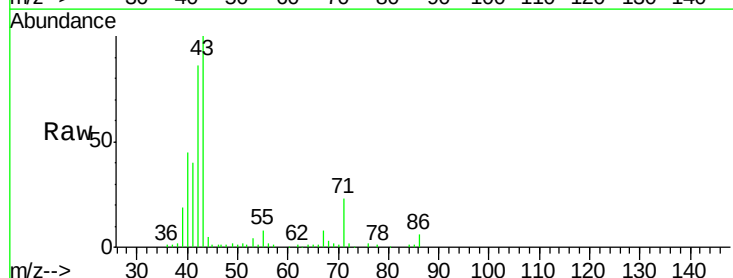
Acq: 26 Mar 2019 03:58

Tgt Ion: 43 Resp: 33675

Ion Ratio Lower Upper

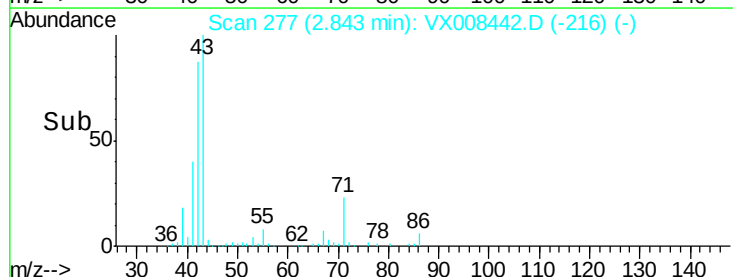
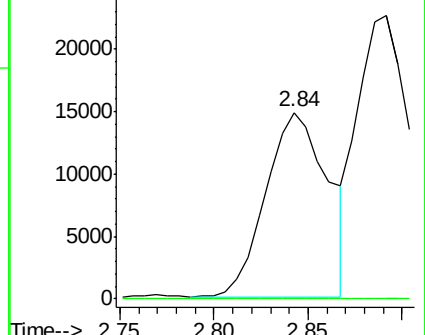
43 100

74 0.1 16.7 25.1#

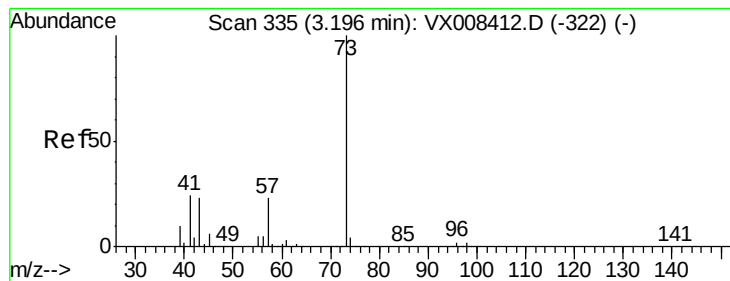


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0







#19

Methyl tert-butyl Ether

Concen: 0.769 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Instrument :

MSVOA\_X

ClientSampled :

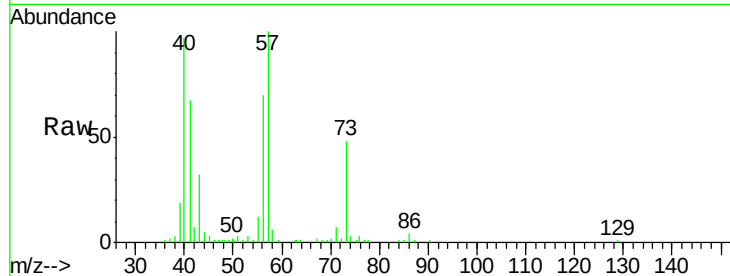
MW-7

Tot Ion: 73 Resp: 7575

Ion Ratio Lower Upper

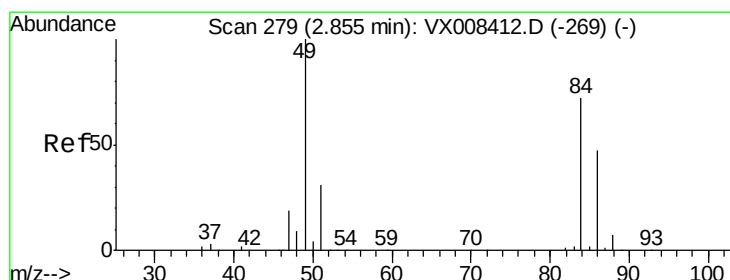
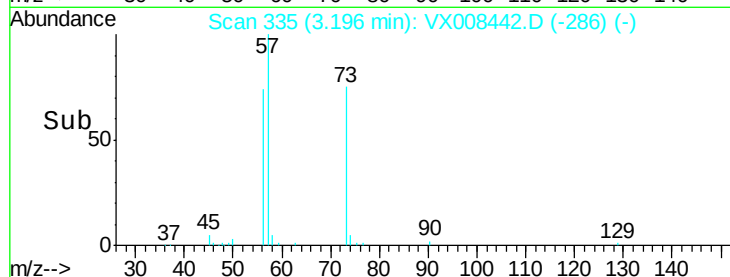
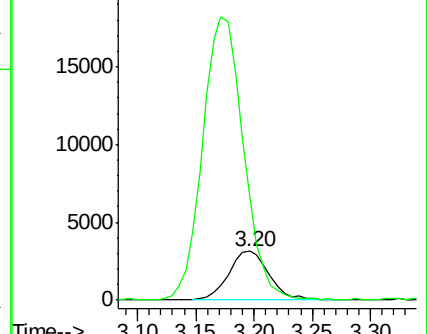
73 100

57 207.2 18.6 28.0#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Tgt Ion: 84 Resp: 778

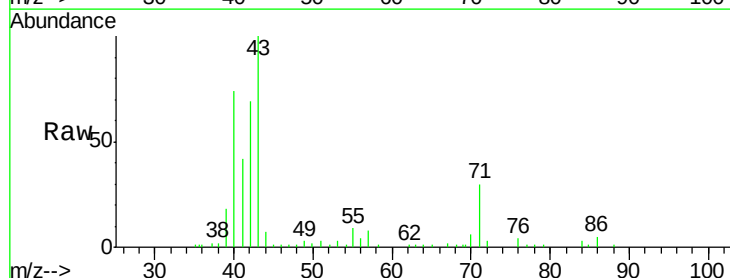
Ion Ratio Lower Upper

84 100

49 68.4 110.6 165.8#

51 0.0 33.9 50.9#

86 102.7 52.2 78.2#

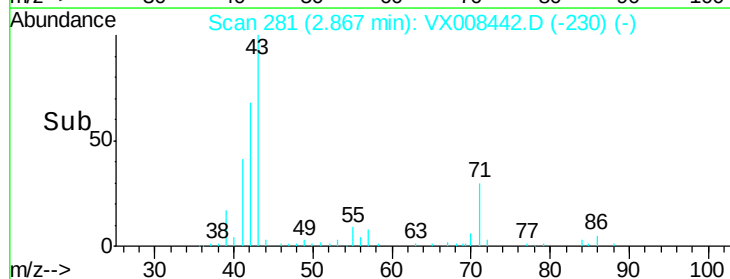
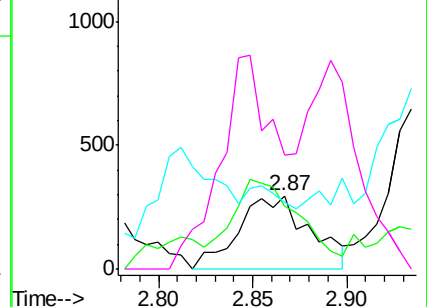


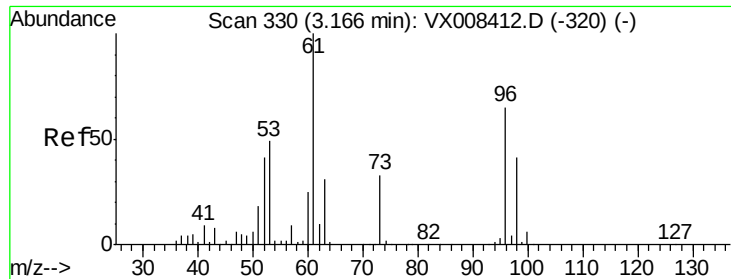
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.07 min Scan# 314

Delta R.T. -0.10 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Instrument :

MSVOA\_X

ClientSampled :

MW-7

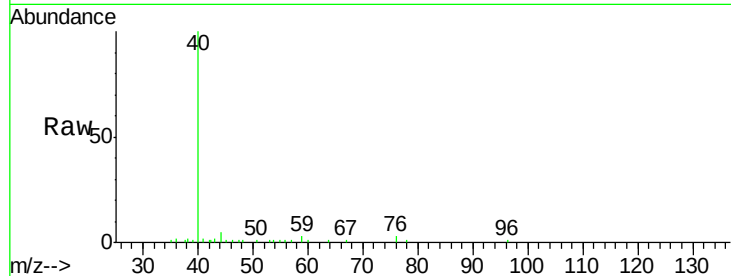
Tot Ion: 96 Resp: 19

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

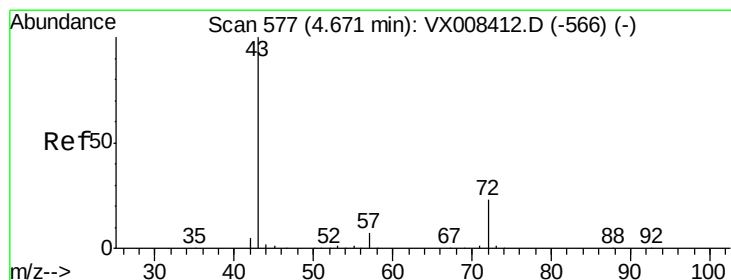
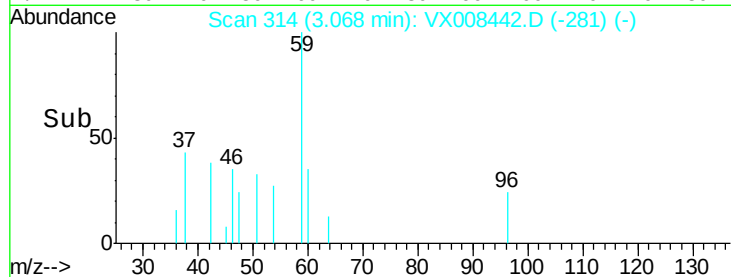
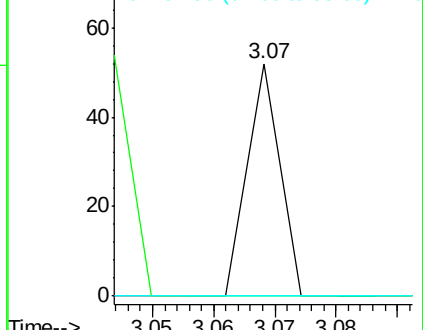
98 0.0 50.9 76.3#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.386 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX008442.D

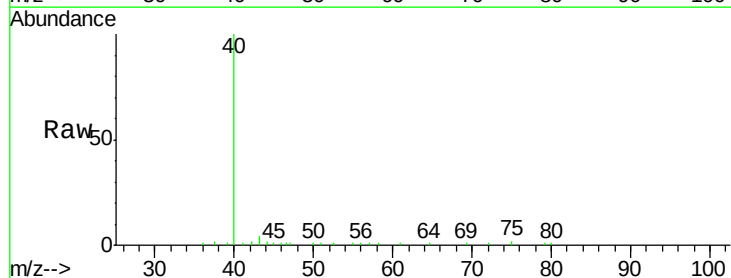
Acq: 26 Mar 2019 03:58

Tgt Ion: 43 Resp: 1152

Ion Ratio Lower Upper

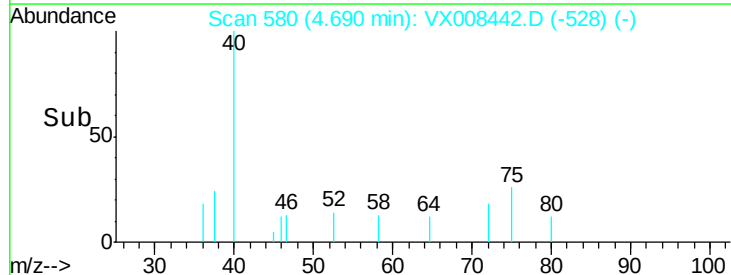
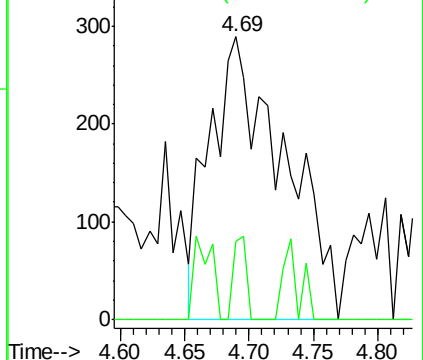
43 100

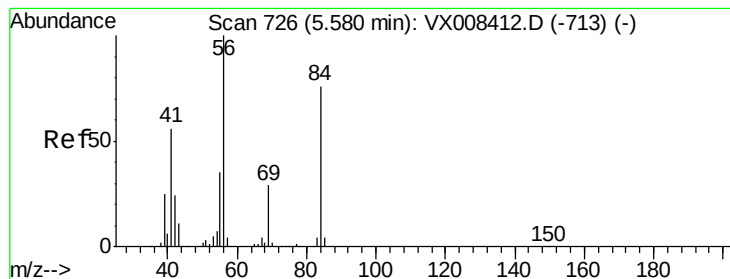
72 27.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 4.436 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Instrument :

MSVOA\_X

ClientSampleId :

MW-7

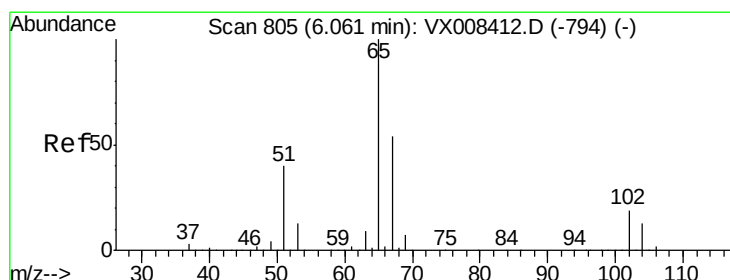
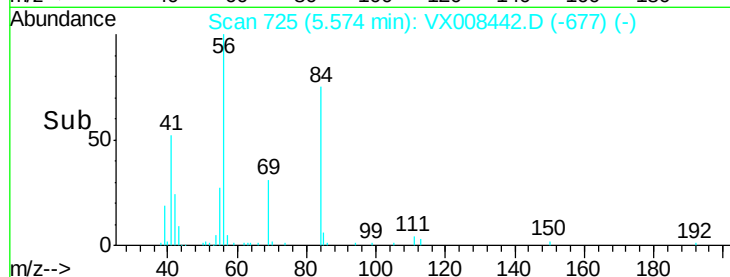
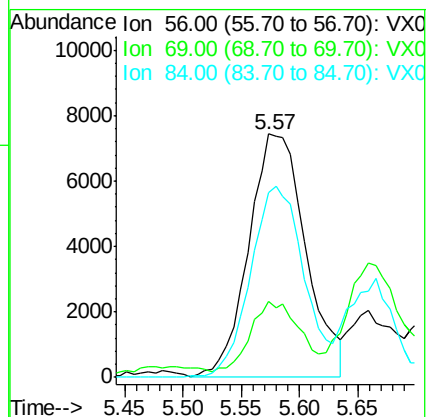
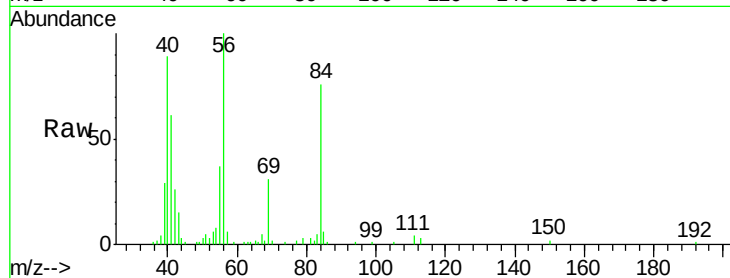
Tot Ion: 56 Resp: 25336

Ion Ratio Lower Upper

56 100

69 27.3 23.2 34.8

84 75.2 60.7 91.1



#33

1,2-Dichloroethane-d4

Concen: 46.547 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008442.D

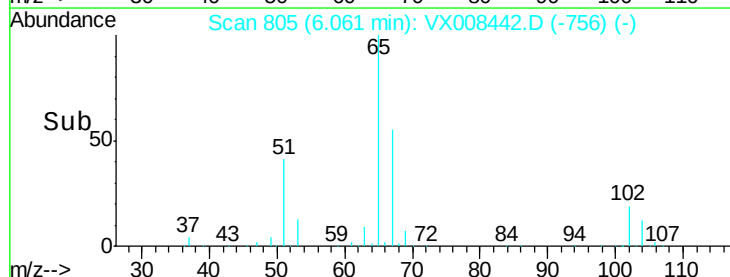
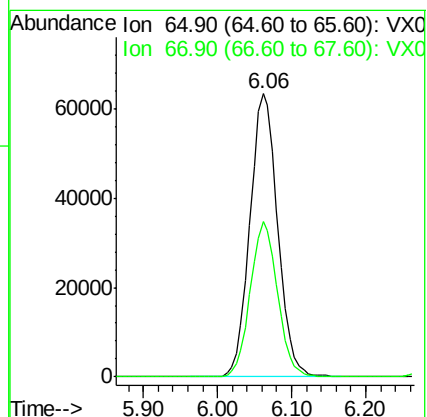
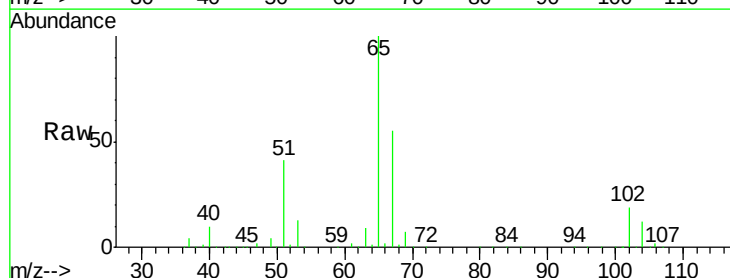
Acq: 26 Mar 2019 03:58

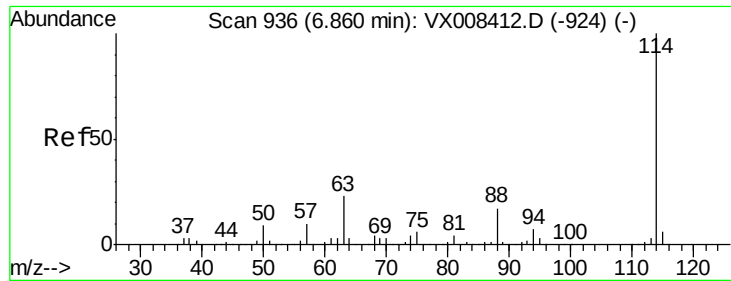
Tgt Ion: 65 Resp: 165853

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.4

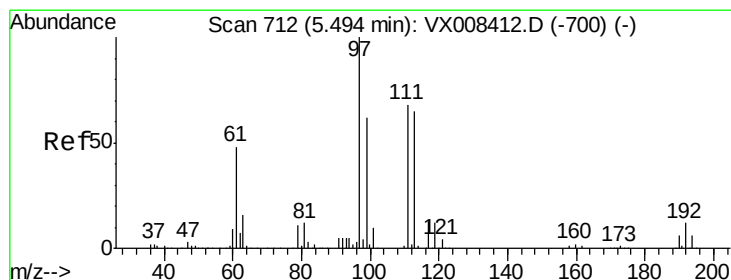
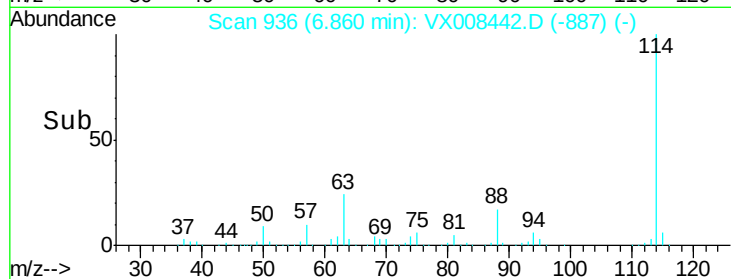
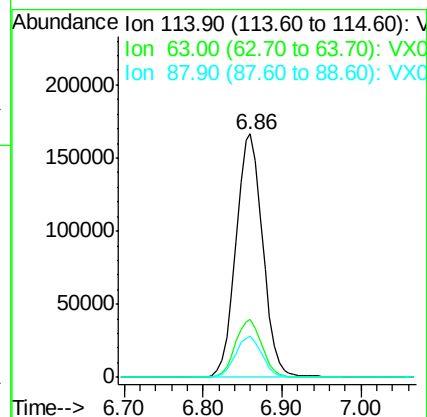
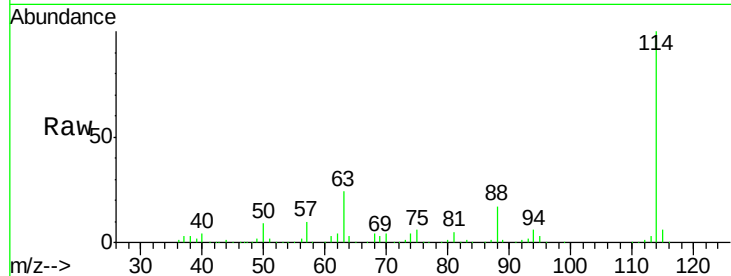




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX008442.D  
 Acq: 26 Mar 2019 03:58

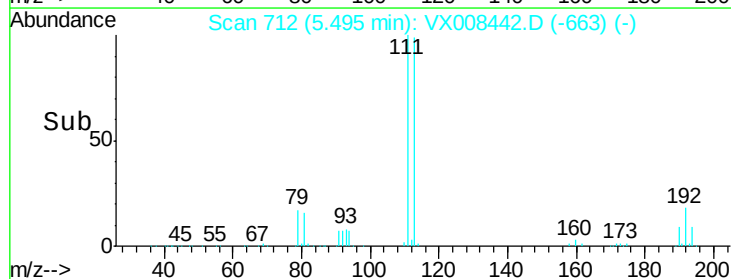
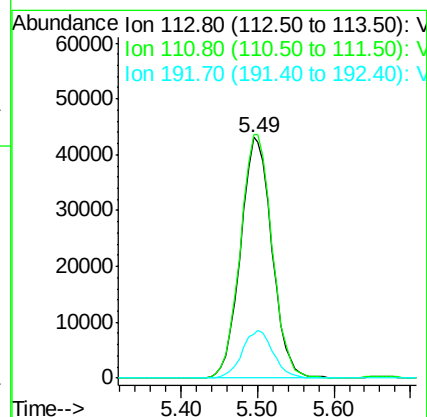
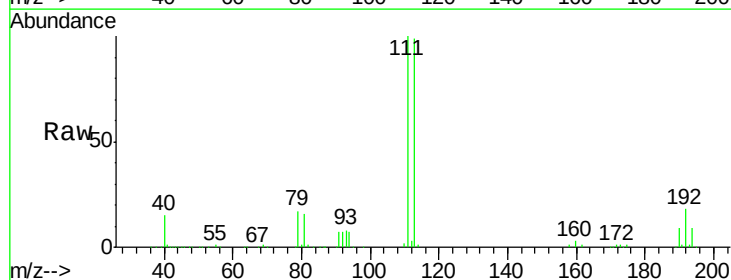
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-7

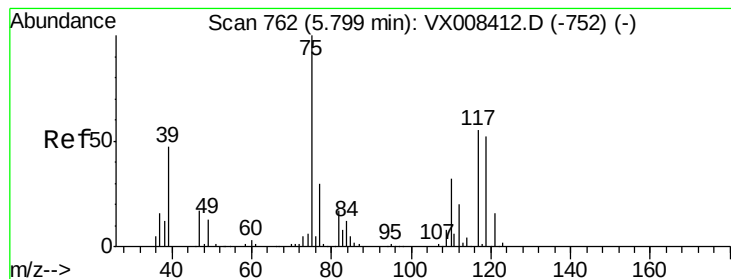
Tot Ion:114 Resp: 394018  
 Ion Ratio Lower Upper  
 114 100  
 63 23.8 0.0 46.4  
 88 16.9 0.0 33.2



#35  
 Dibromofluoromethane  
 Concen: 47.685 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. 0.00 min  
 Lab File: VX008442.D  
 Acq: 26 Mar 2019 03:58

Tgt Ion:113 Resp: 122512  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 83.0 124.4  
 192 19.6 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.803 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Instrument :

MSVOA\_X

ClientSampleId :

MW-7

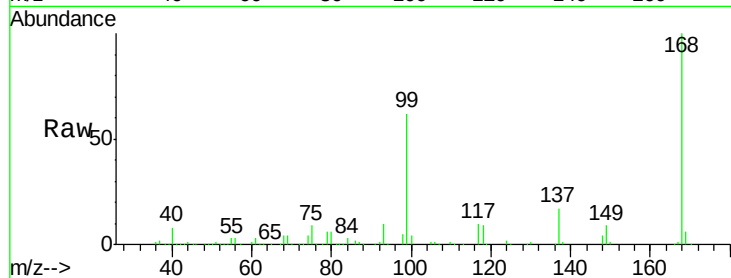
Tot Ion: 75 Resp: 20177

Ion Ratio Lower Upper

75 100

110 8.7 16.6 49.7#

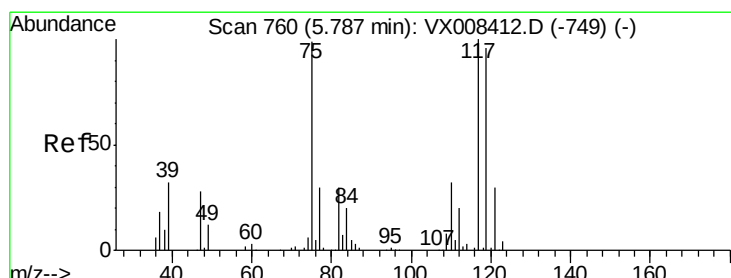
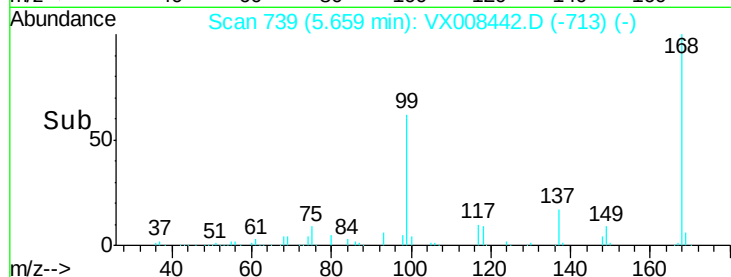
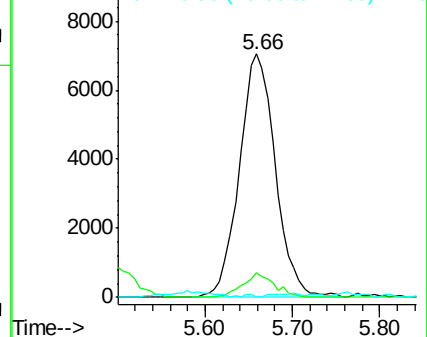
77 0.8 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.630 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

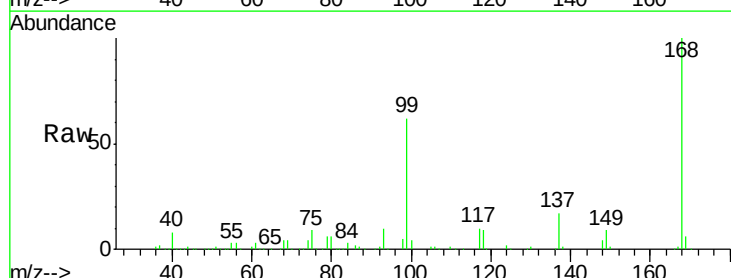
Tgt Ion: 117 Resp: 23243

Ion Ratio Lower Upper

117 100

119 4.0 76.7 115.1#

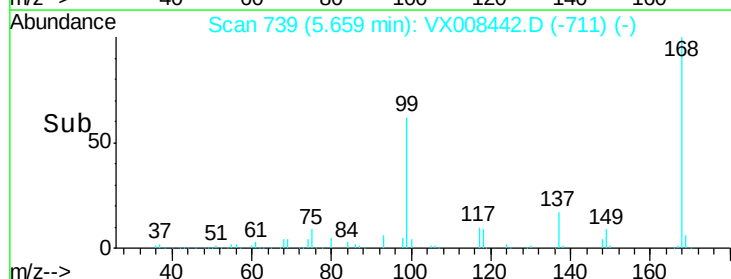
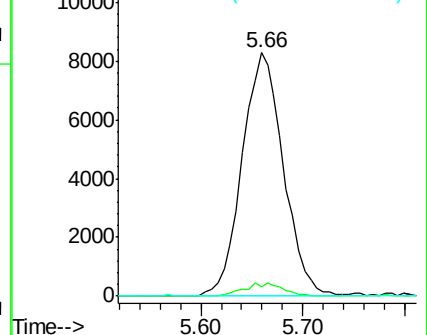
121 0.0 24.3 36.5#

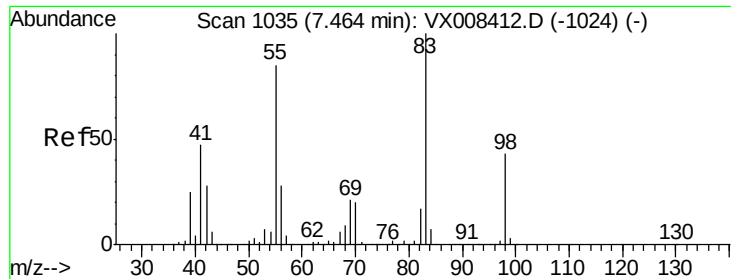


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

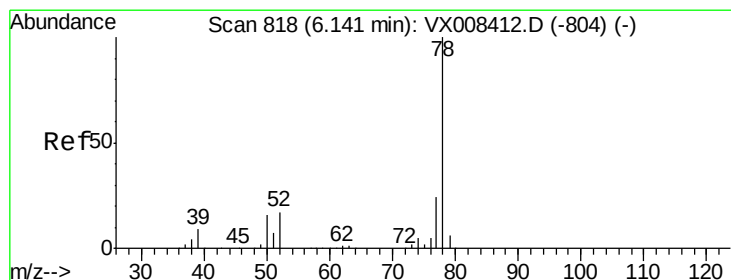
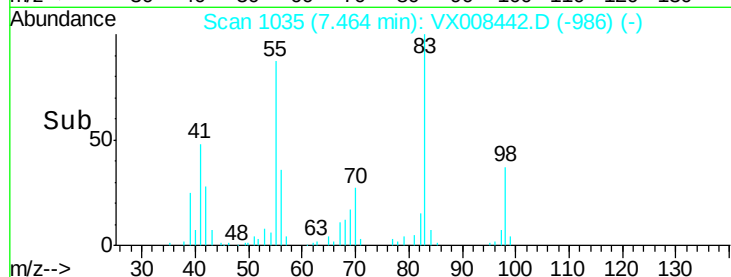
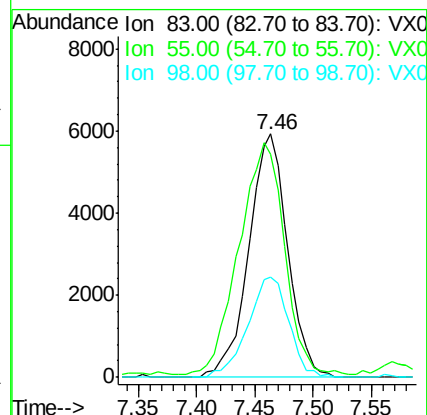
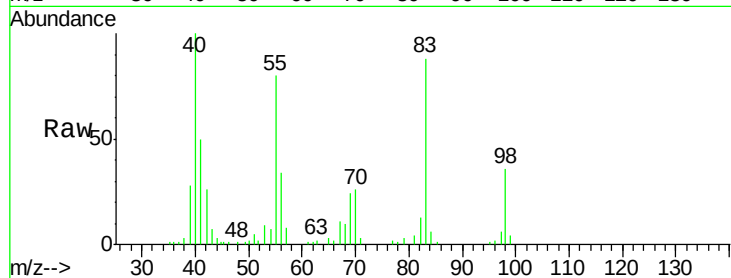




#39  
Methylvlcyclohexane  
Concen: 2.746 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

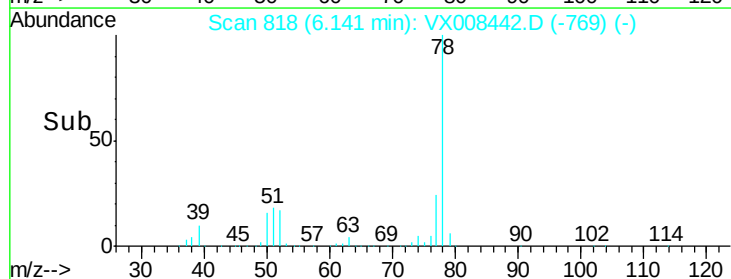
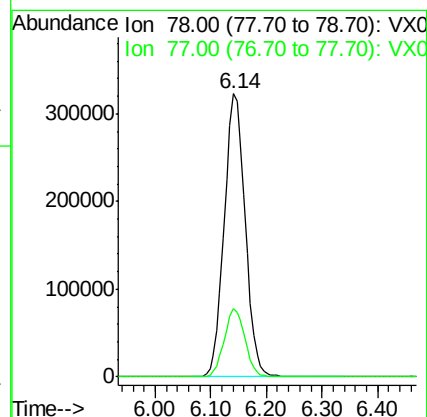
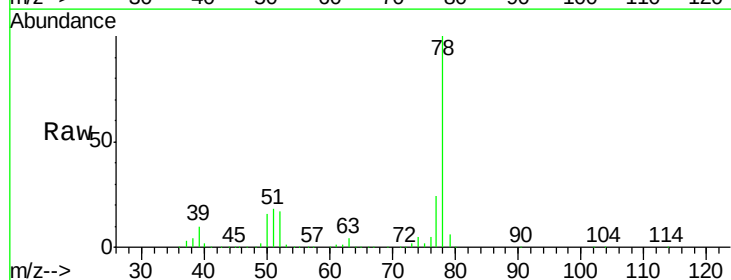
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7

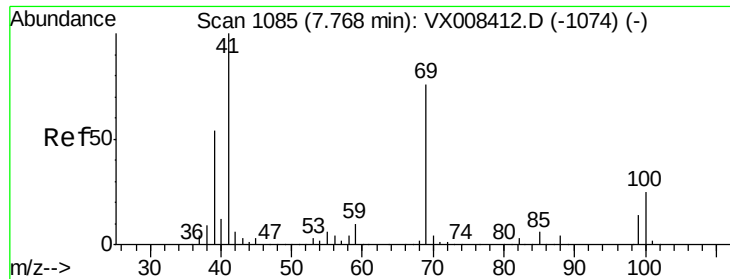
Tot Ion: 83 Resp: 13785  
Ion Ratio Lower Upper  
83 100  
55 89.6 68.2 102.4  
98 41.4 34.2 51.4



#40  
Benzene  
Concen: 67.328 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

Tgt Ion: 78 Resp: 846789  
Ion Ratio Lower Upper  
78 100  
77 23.9 19.3 28.9

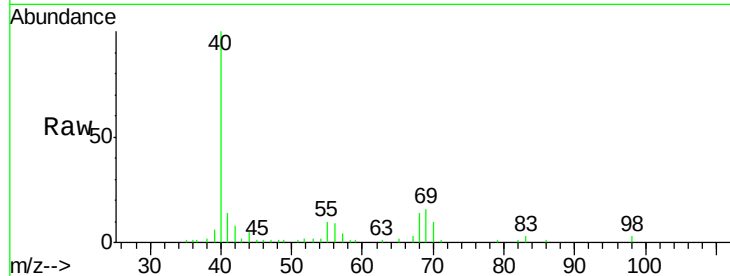




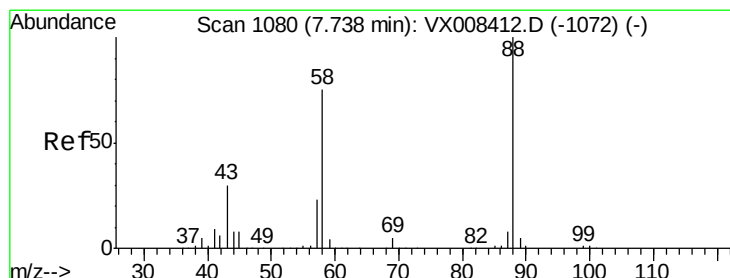
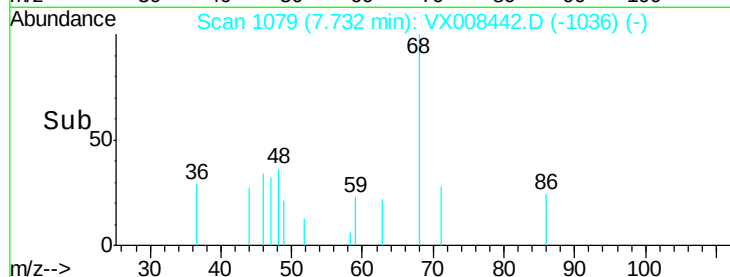
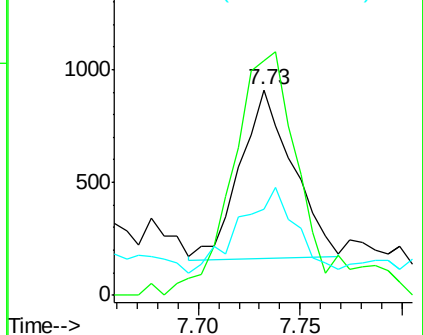
#48  
Methvl methacrylate  
Concen: 0.310 ug/l  
RT: 7.73 min Scan# 1079  
Delta R.T. -0.04 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-7

Tot Ion: 41 Resp: 1352  
Ion Ratio Lower Upper  
41 100  
69 191.9 60.8 91.2#  
39 54.1 42.3 63.5

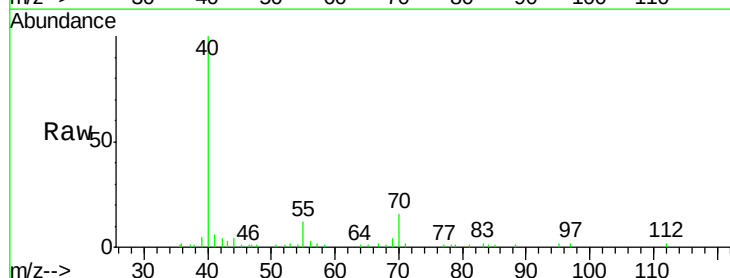


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0

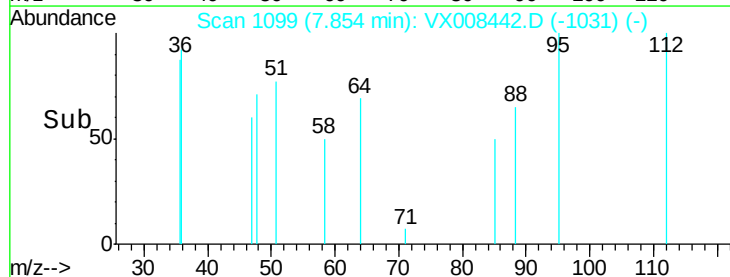
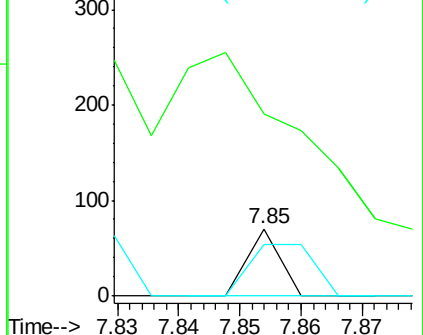


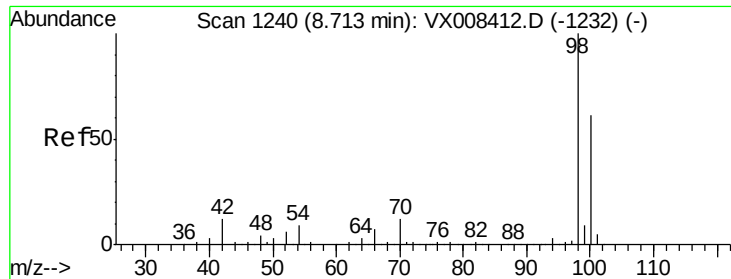
#49  
1,4-Dioxane  
Concen: 0.300 ug/l  
RT: 7.85 min Scan# 1099  
Delta R.T. 0.12 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

Tgt Ion: 88 Resp: 26  
Ion Ratio Lower Upper  
88 100  
43 0.0 28.6 43.0#  
58 153.8 63.0 94.4#



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

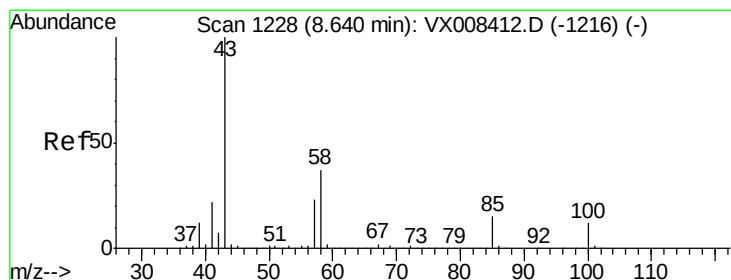
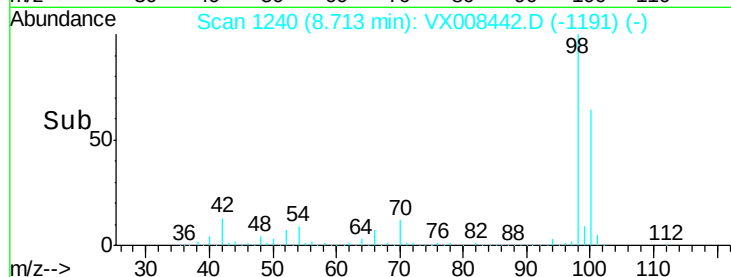
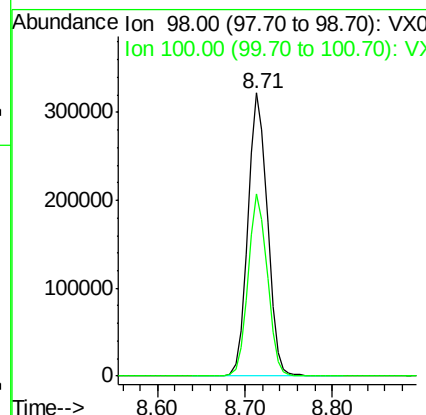
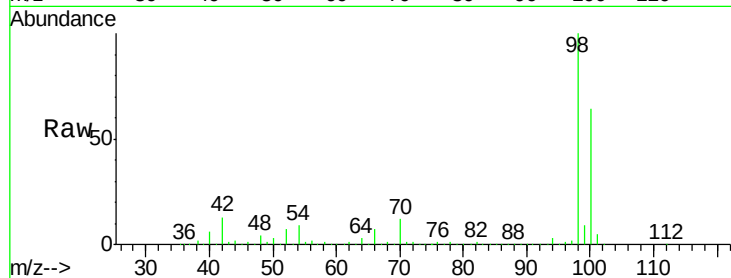




#50  
Toluene-d8  
Concen: 48.579 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

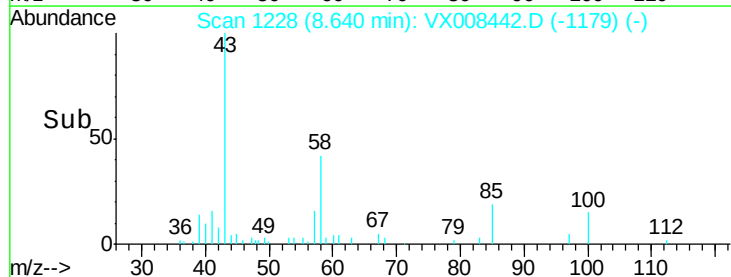
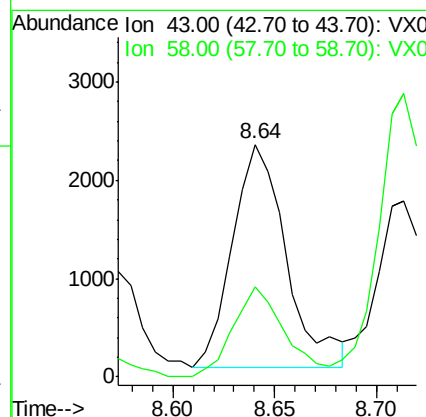
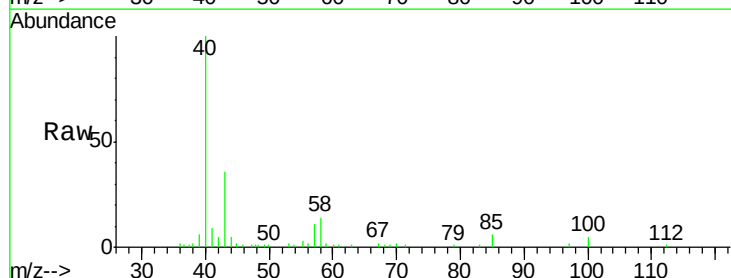
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-7

Tot Ion: 98 Resp: 499056  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.1 76.7

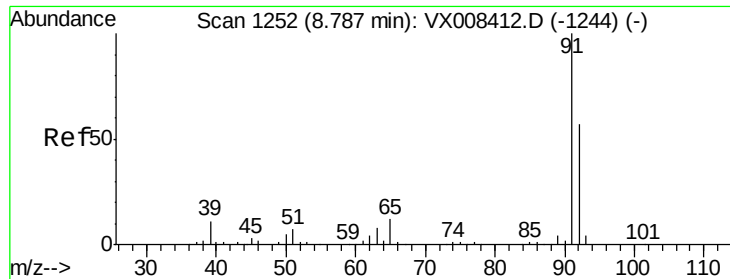


#51  
4-Methyl-2-Pentanone  
Concen: 0.734 ug/l  
RT: 8.64 min Scan# 1228  
Delta R.T. 0.00 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

Tgt Ion: 43 Resp: 4150  
Ion Ratio Lower Upper  
43 100  
58 39.1 29.8 44.8







#52

Toluene

Concen: 3.234 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Instrument :

MSVOA\_X

ClientSampleId :

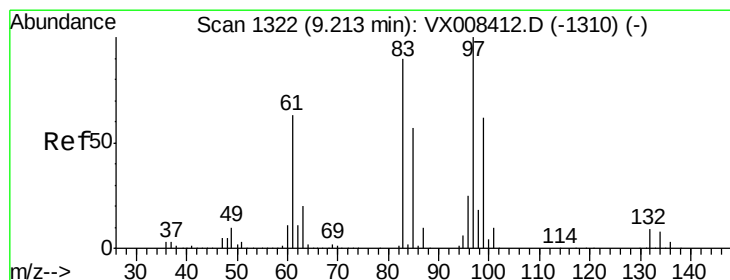
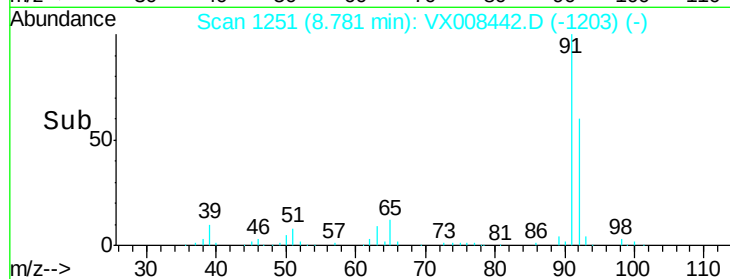
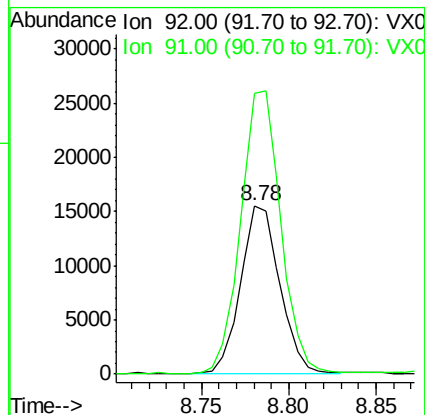
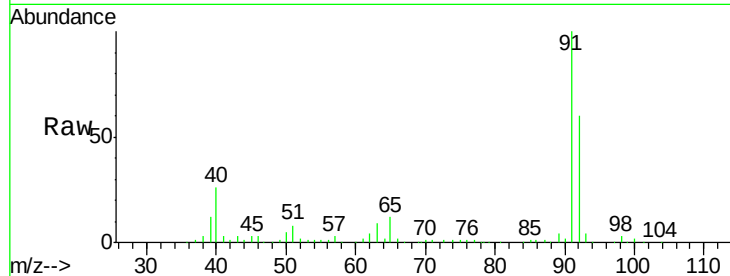
MW-7

Tot Ion: 92 Resp: 24317

Ion Ratio Lower Upper

92 100

91 172.9 140.2 210.4



#55

1,1,2-Trichloroethane

Concen: 0.997 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Tgt Ion: 97 Resp: 3053

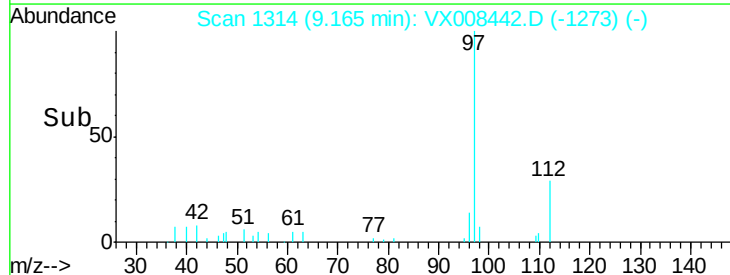
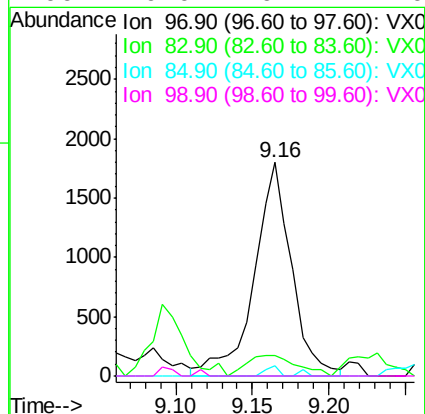
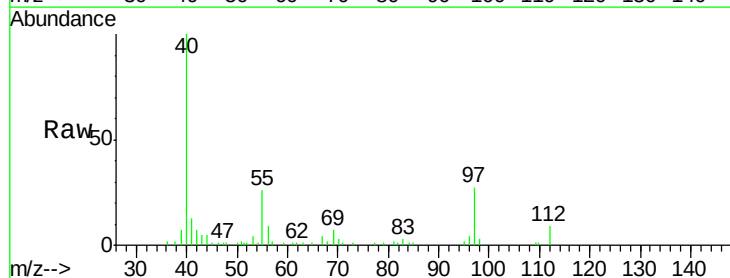
Ion Ratio Lower Upper

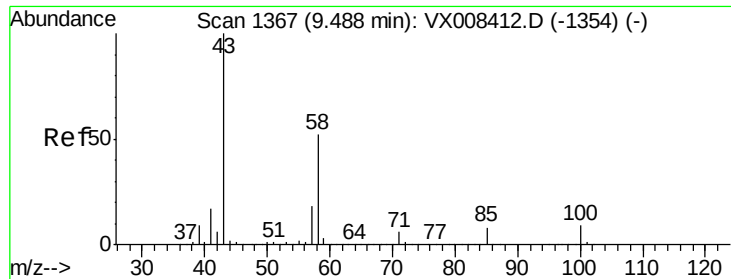
97 100

83 5.4 71.8 107.6#

85 5.1 45.9 68.9#

99 0.0 49.4 74.0#

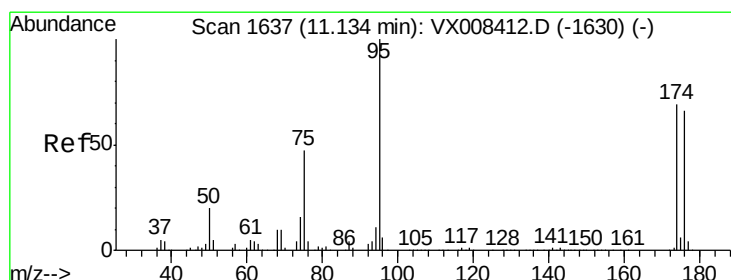
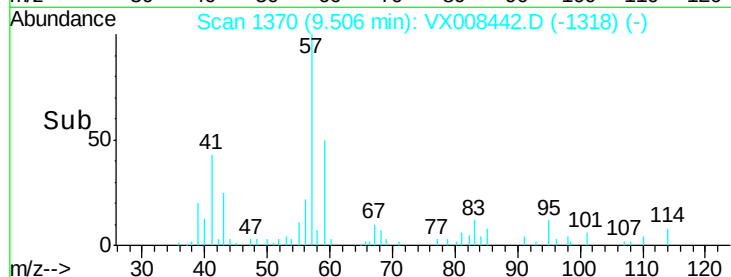
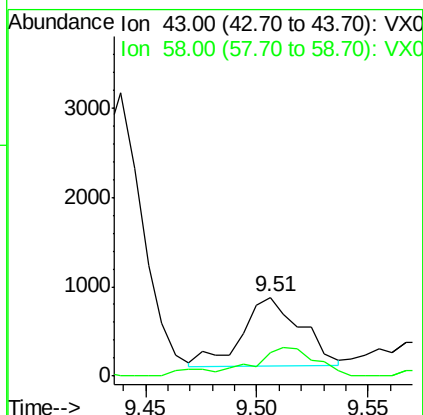
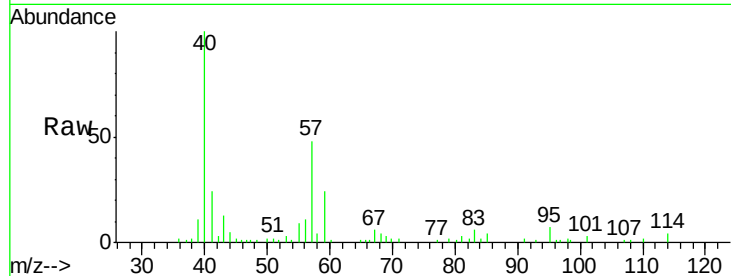




#59  
2-Hexanone  
Concen: 0.328 ug/l  
RT: 9.51 min Scan# 1370  
Delta R.T. 0.02 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

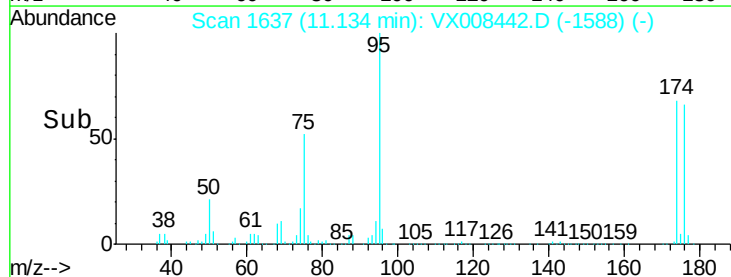
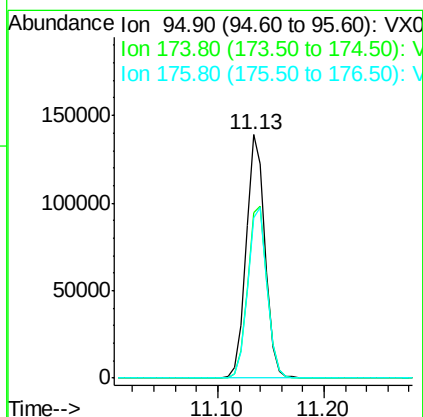
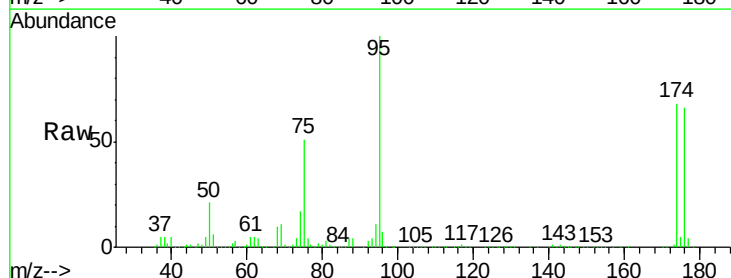
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7

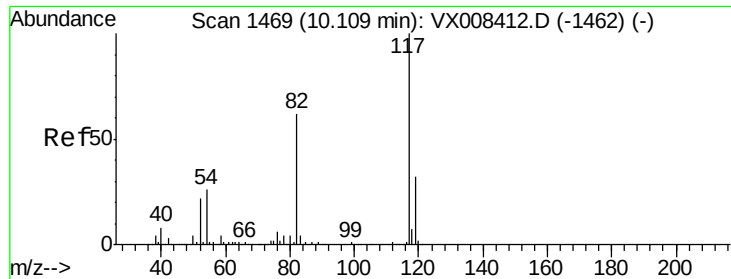
Tot Ion: 43 Resp: 1437  
Ion Ratio Lower Upper  
43 100  
58 48.5 26.3 78.9



#62  
4-Bromofluorobenzene  
Concen: 45.314 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

Tgt Ion: 95 Resp: 172503  
Ion Ratio Lower Upper  
95 100  
174 73.0 0.0 147.2  
176 71.8 0.0 142.4

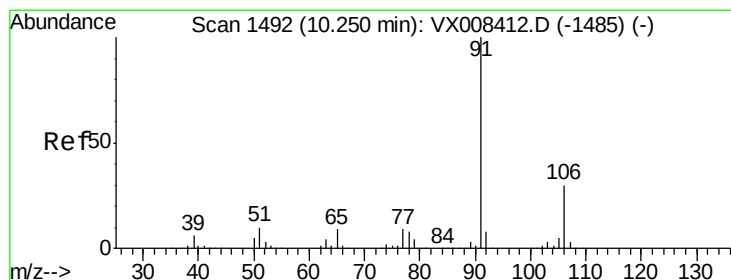
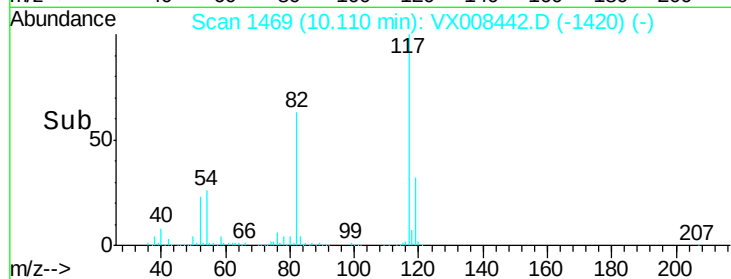
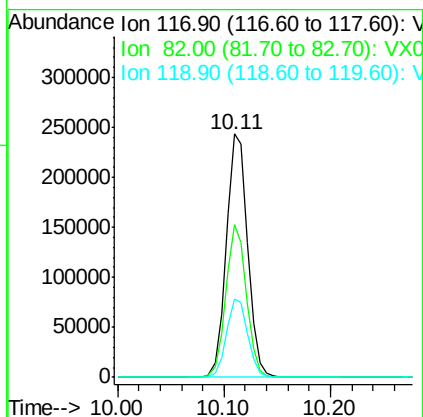
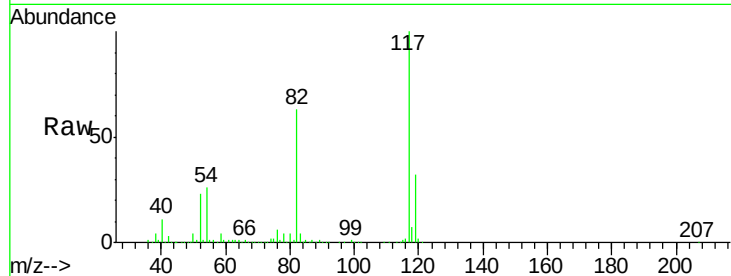




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

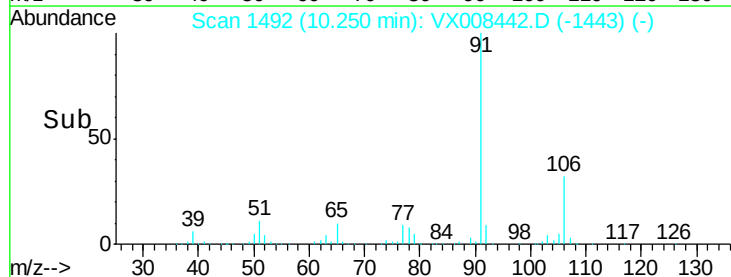
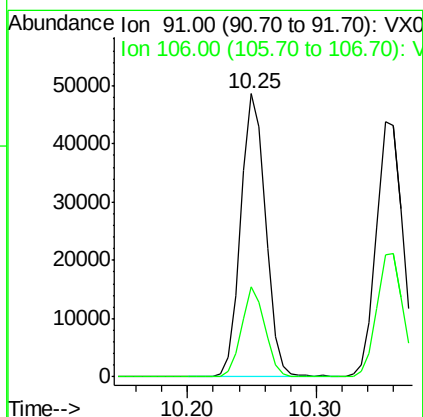
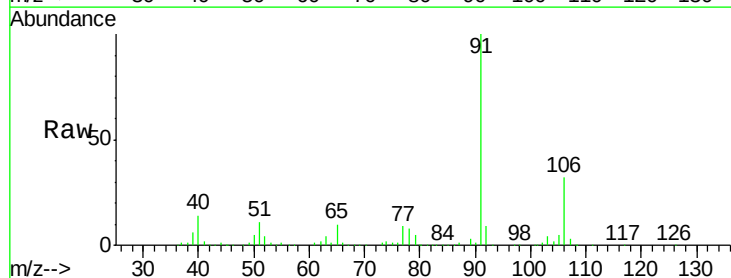
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-7

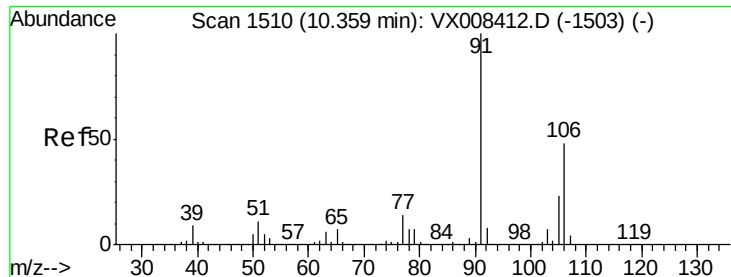
Tot Ion:117 Resp: 341995  
Ion Ratio Lower Upper  
117 100  
82 62.6 49.4 74.2  
119 32.1 25.4 38.0



#67  
Ethyl Benzene  
Concen: 4.597 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

Tgt Ion: 91 Resp: 64522  
Ion Ratio Lower Upper  
91 100  
106 32.0 24.0 36.0





#68

m/p-Xylenes

Concen: 5.830 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Instrument :

MSVOA\_X

ClientSampleId :

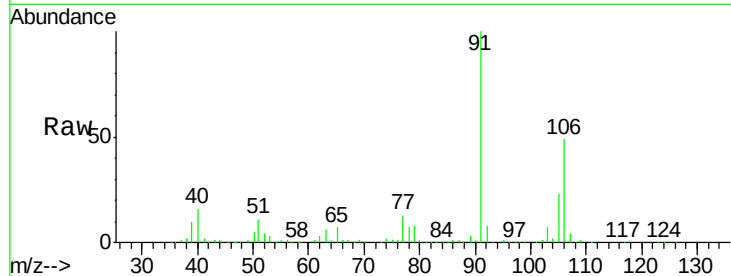
MW-7

Tot Ion:106 Resp: 29770

Ion Ratio Lower Upper

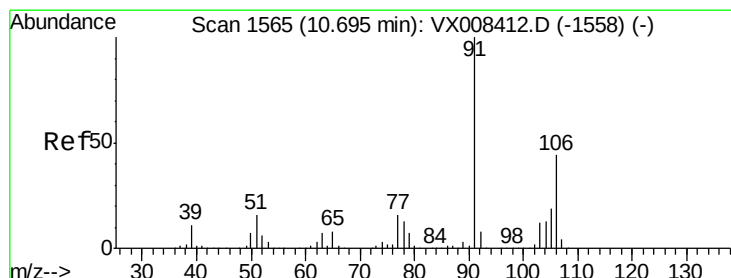
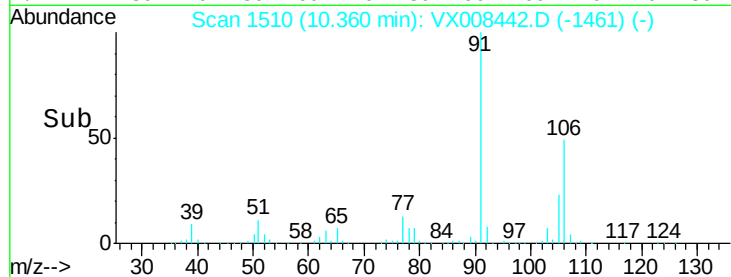
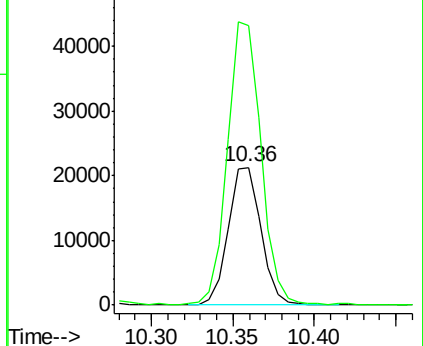
106 100

91 209.0 168.6 253.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.357 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX008442.D

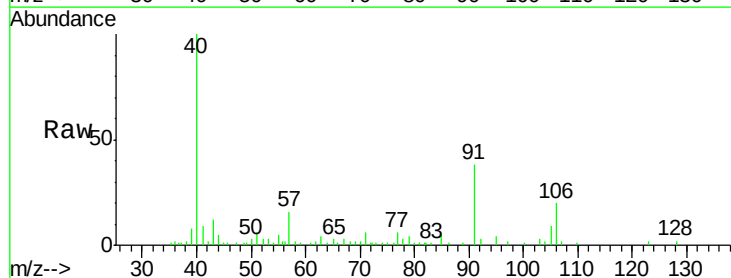
Acq: 26 Mar 2019 03:58

Tgt Ion:106 Resp: 1770

Ion Ratio Lower Upper

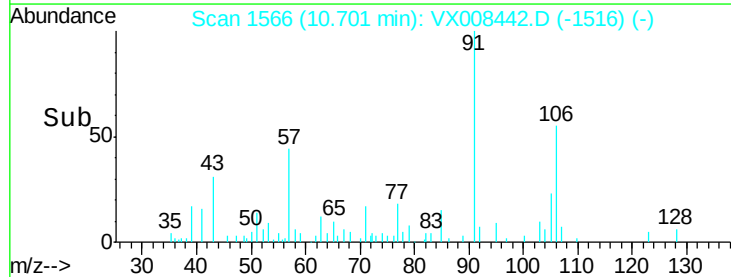
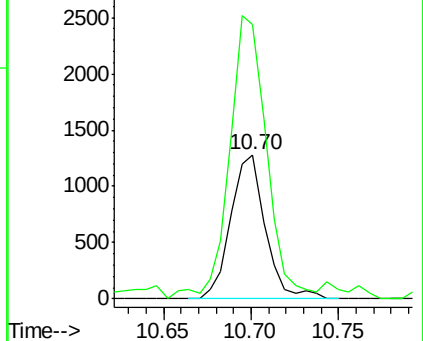
106 100

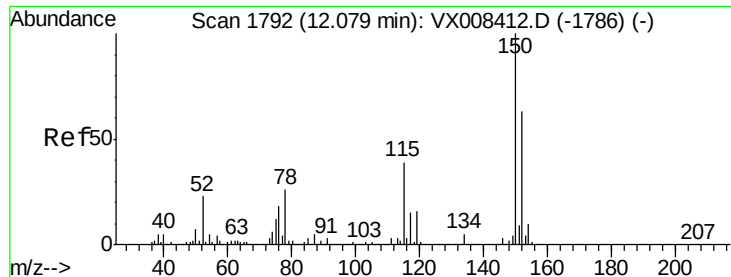
91 210.1 111.4 334.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



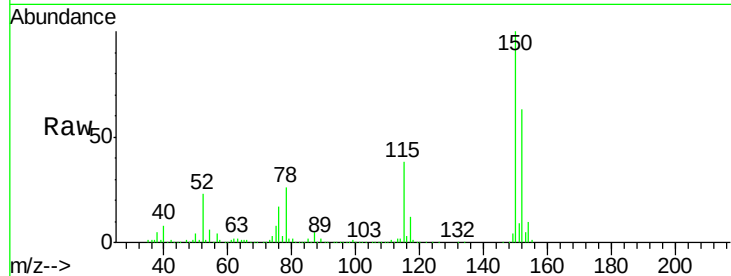


#72

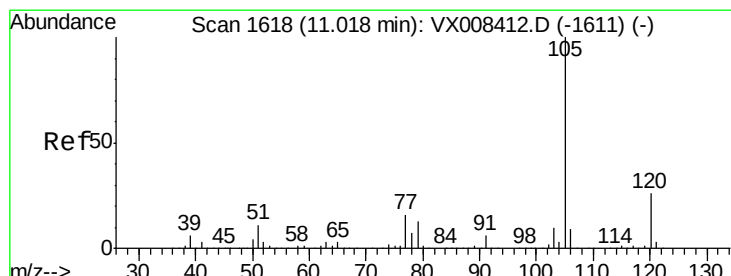
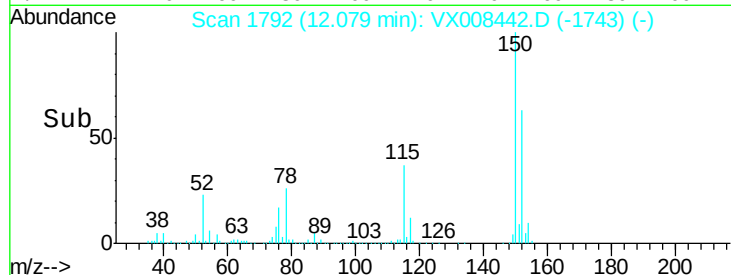
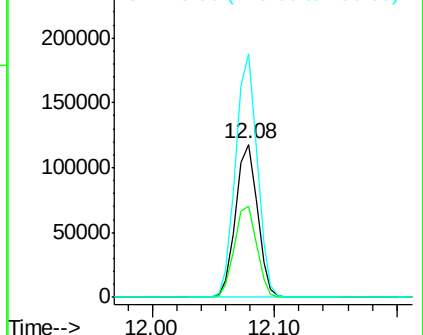
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-7

Tot Ion:152 Resp: 145141  
Ion Ratio Lower Upper  
152 100  
115 61.5 43.5 130.5  
150 158.1 0.0 348.8



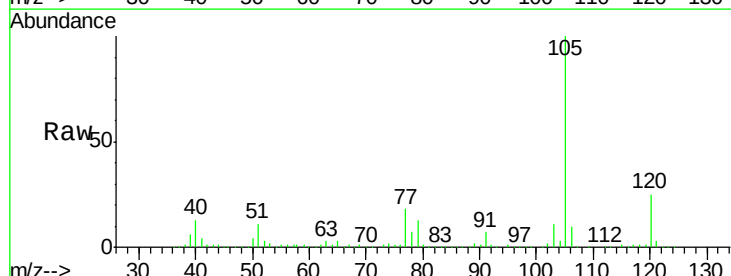
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



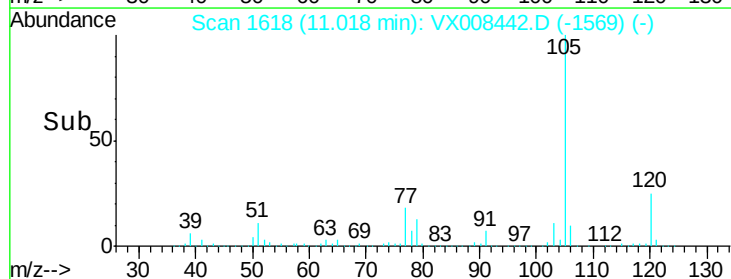
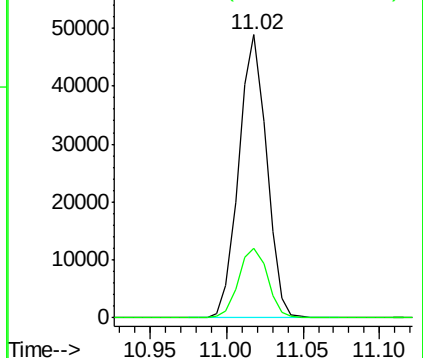
#73

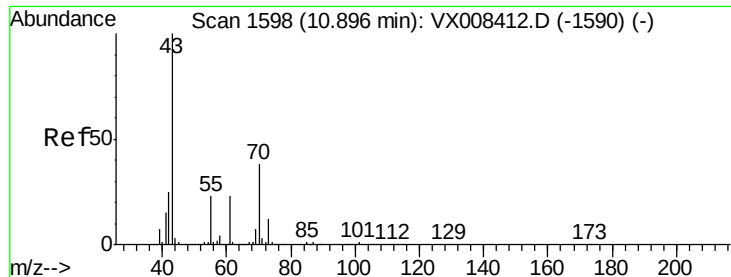
Isopropylbenzene  
Concen: 5.227 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. 0.00 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

Tgt Ion:105 Resp: 61716  
Ion Ratio Lower Upper  
105 100  
120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.301 ug/l

RT: 10.94 min Scan# 1606

Delta R.T. 0.05 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Instrument :

MSVOA\_X

ClientSampleId :

MW-7

Tot Ion: 43 Resp: 2057

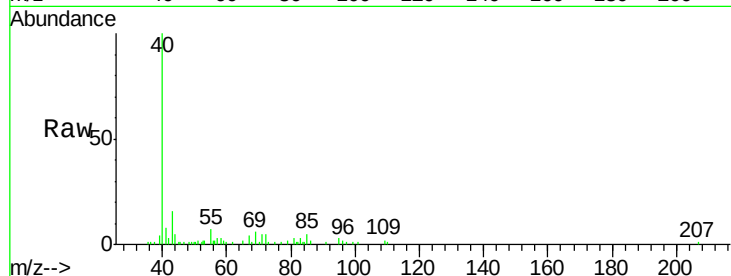
Ion Ratio Lower Upper

43 100

70 4.3 30.5 45.7#

55 0.0 18.2 27.2#

61 0.0 18.4 27.6#

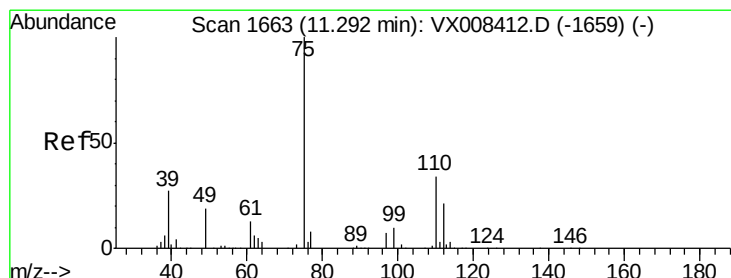
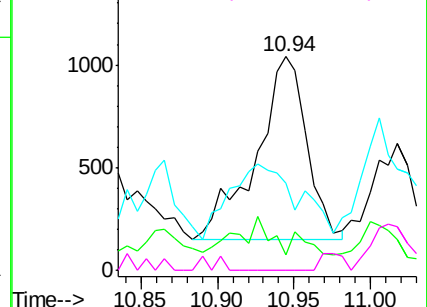
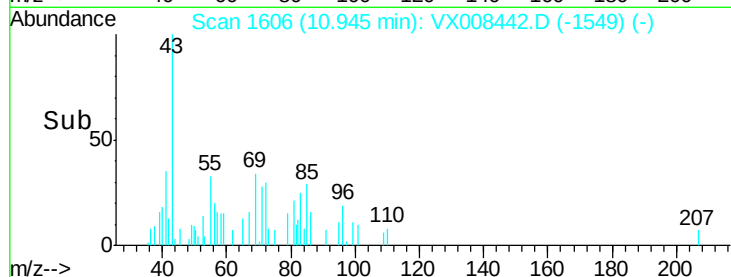


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 20.354 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008442.D

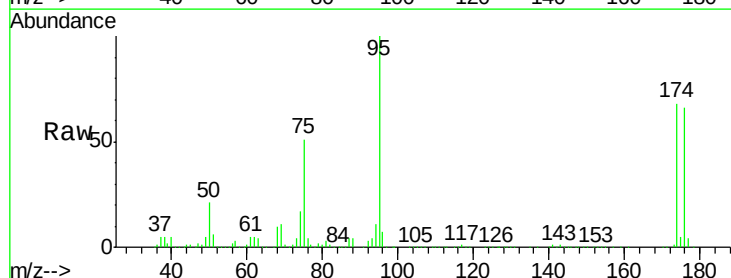
Acq: 26 Mar 2019 03:58

Tgt Ion: 75 Resp: 87824

Ion Ratio Lower Upper

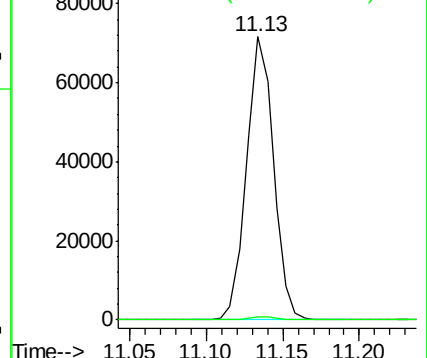
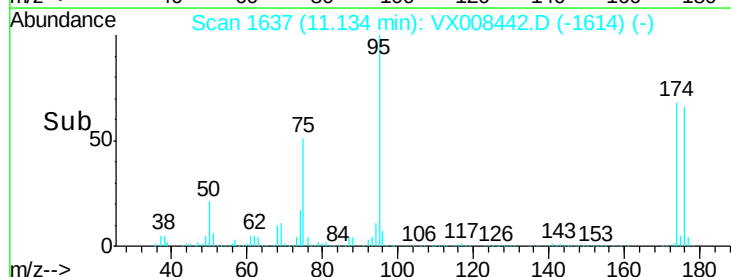
75 100

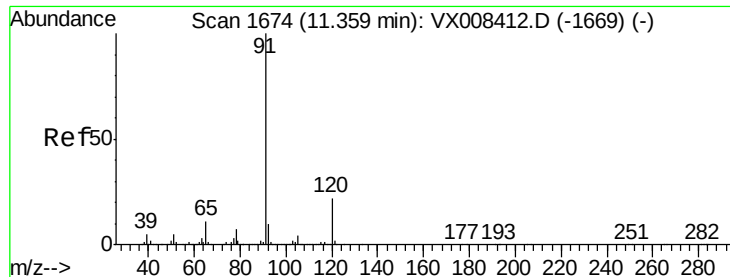
77 1.3 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 3.384 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Instrument :

MSVOA\_X

ClientSampleId :

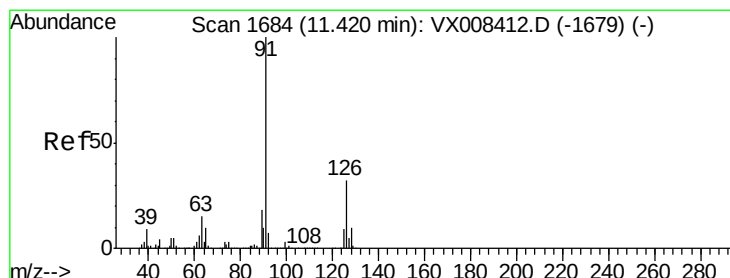
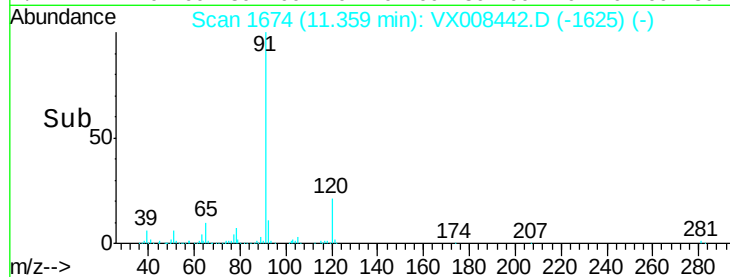
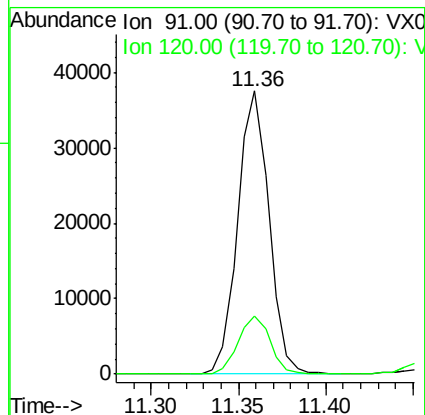
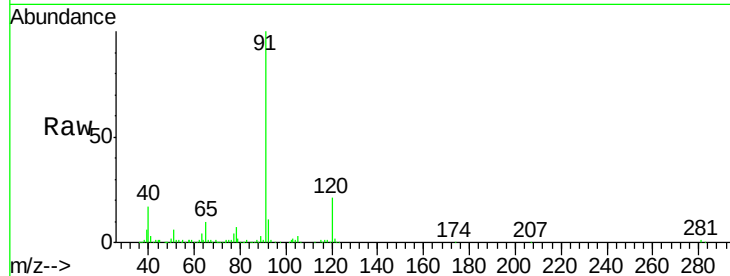
MW-7

Tot Ion: 91 Resp: 46804

Ion Ratio Lower Upper

91 100

120 21.0 10.8 32.4



#79

2-Chlorotoluene

Concen: 5.563 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX008442.D

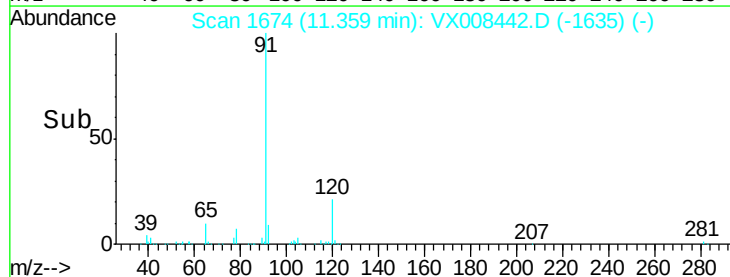
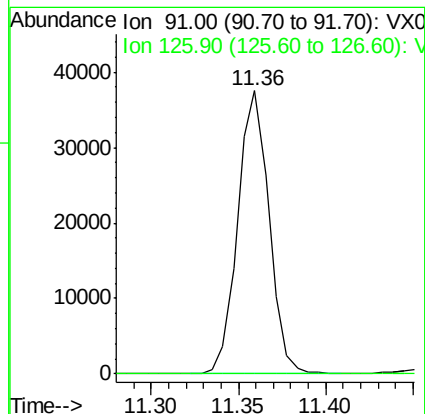
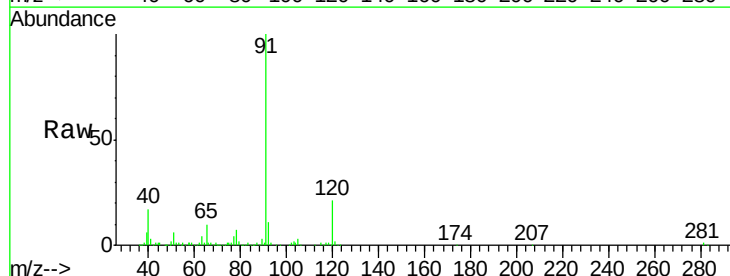
Acq: 26 Mar 2019 03:58

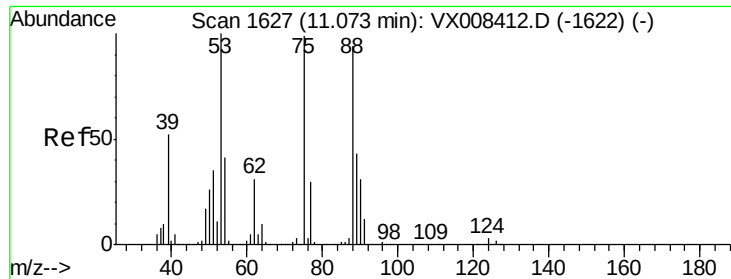
Tgt Ion: 91 Resp: 46804

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#

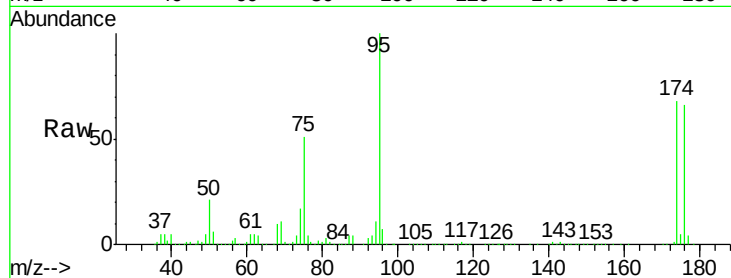




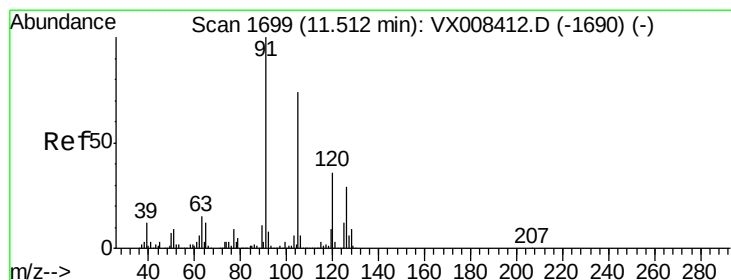
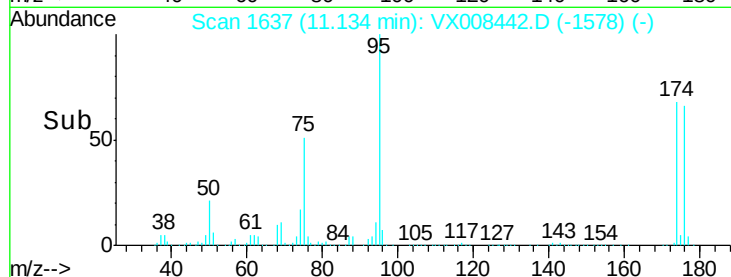
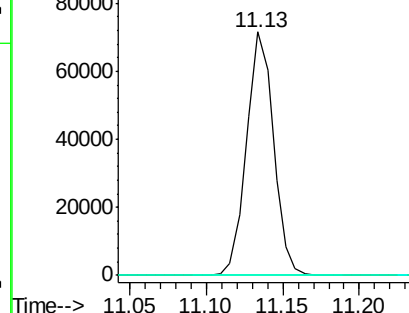
#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.190 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.06 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7

Tot Ion: 75 Resp: 87824  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.1 123.1#  
89 0.0 34.6 52.0#

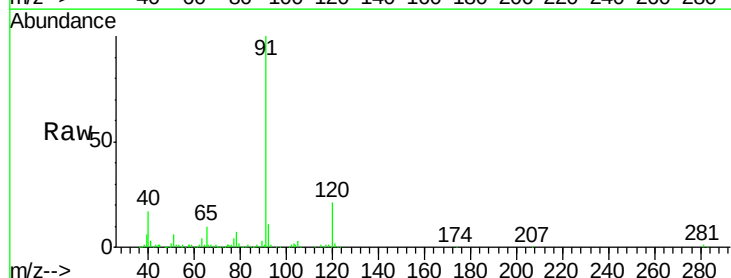


Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 53.00 (52.70 to 53.70): VX0  
Ion 88.90 (88.60 to 89.60): VX0

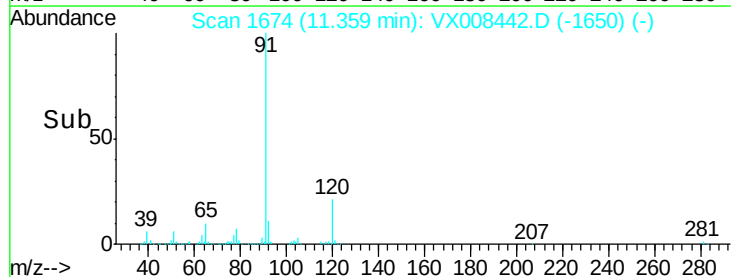
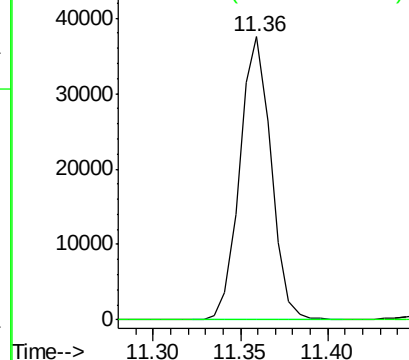


#82  
4-Chlorotoluene  
Concen: 4.823 ug/l  
RT: 11.36 min Scan# 1674  
Delta R.T. -0.15 min  
Lab File: VX008442.D  
Acq: 26 Mar 2019 03:58

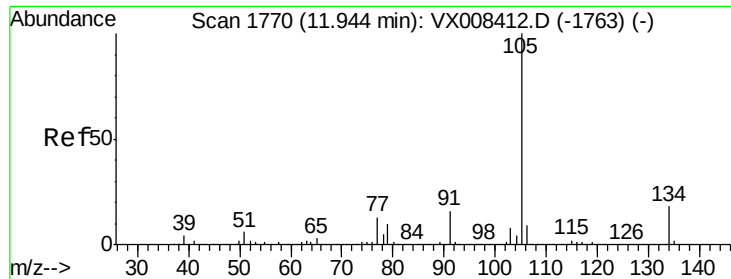
Tgt Ion: 91 Resp: 46804  
Ion Ratio Lower Upper  
91 100  
126 0.0 13.9 41.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 125.90 (125.60 to 126.60): V







#85

sec-Butylbenzene

Concen: 0.258 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Instrument :

MSVOA\_X

ClientSampled :

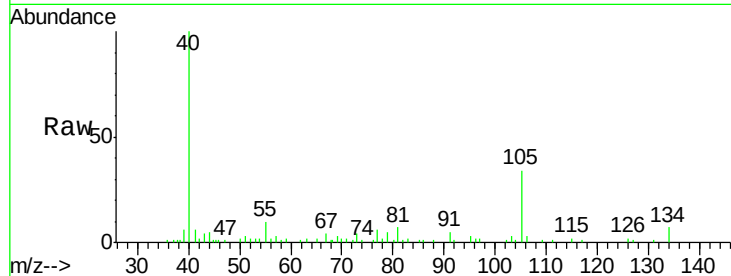
MW-7

Tot Ion:105 Resp: 2955

Ion Ratio Lower Upper

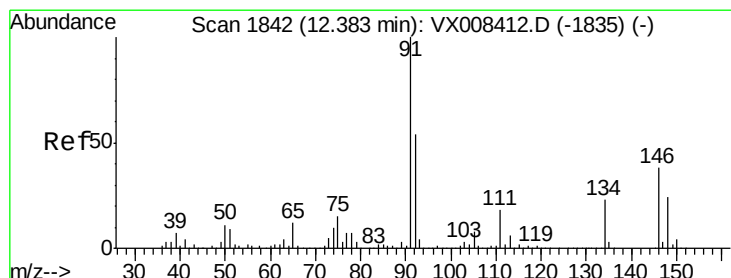
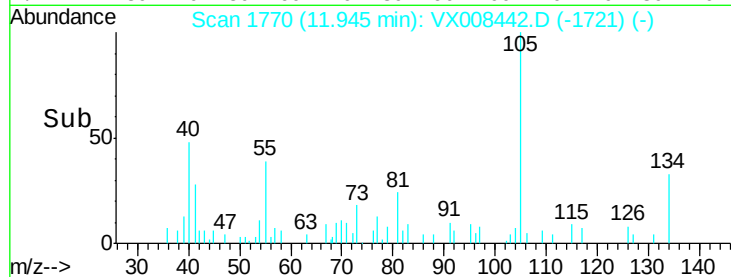
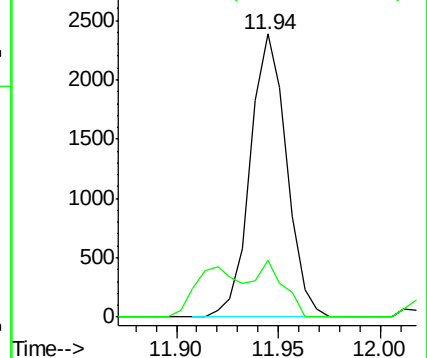
105 100

134 15.8 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.362 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

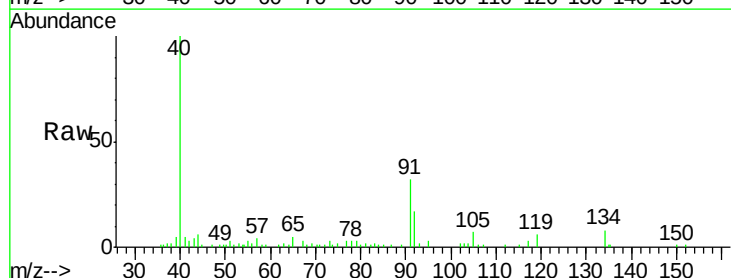
Tgt Ion: 91 Resp: 3474

Ion Ratio Lower Upper

91 100

92 42.1 26.5 79.5

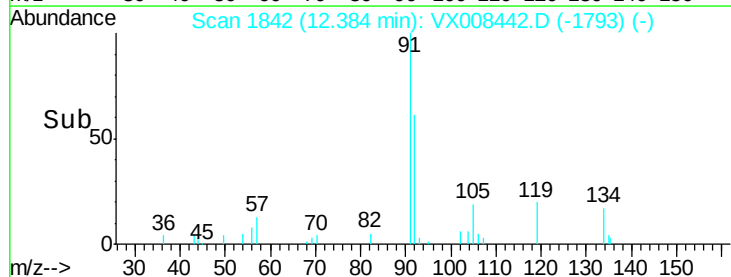
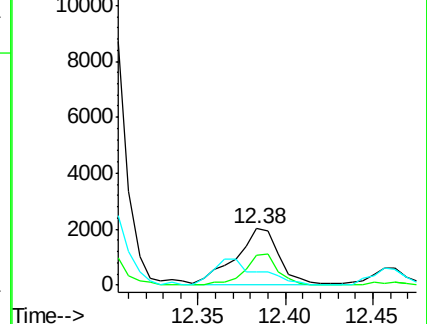
134 49.7 11.8 35.4#

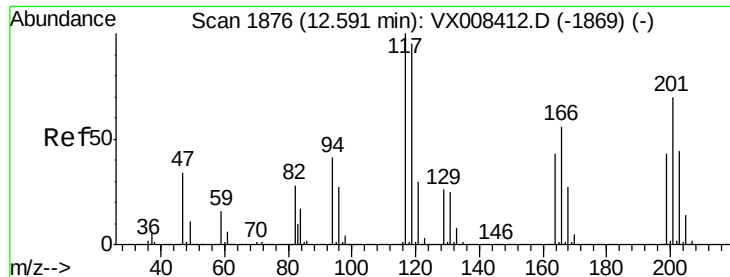


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 1.399 ug/l

RT: 12.66 min Scan# 1888

Delta R.T. 0.07 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

Instrument :

MSVOA\_X

ClientSampleId :

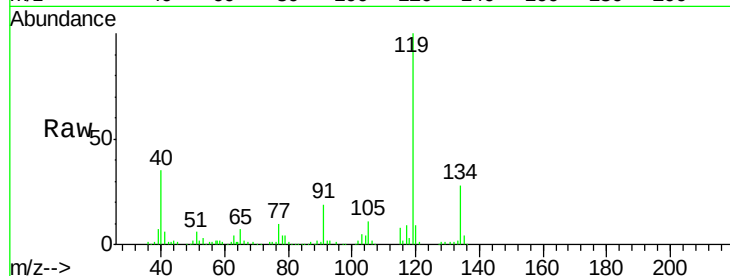
MW-7

Tot Ion:117 Resp: 2358

Ion Ratio Lower Upper

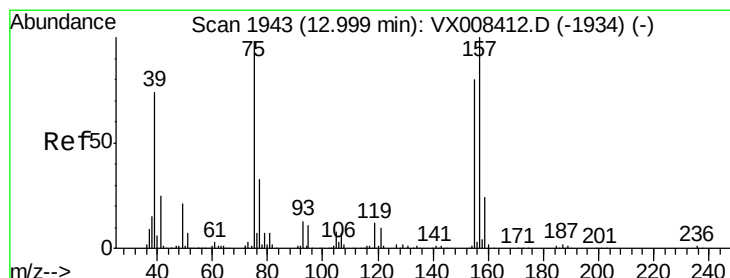
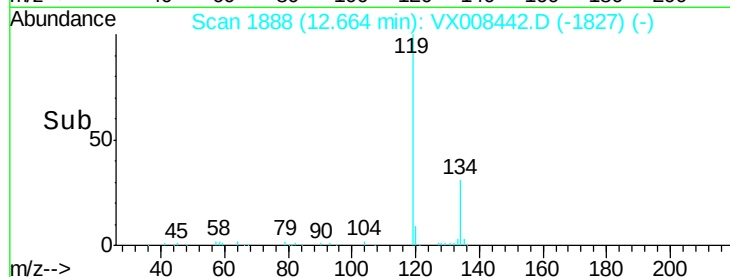
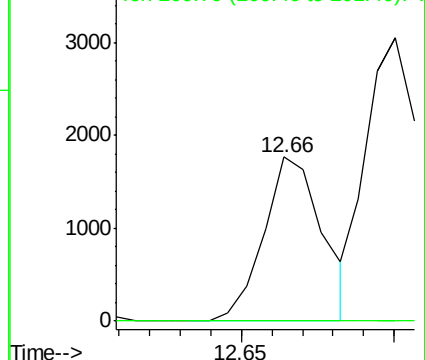
117 100

201 0.0 39.4 118.1#



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: 0.266 ug/l

RT: 12.97 min Scan# 1938

Delta R.T. -0.03 min

Lab File: VX008442.D

Acq: 26 Mar 2019 03:58

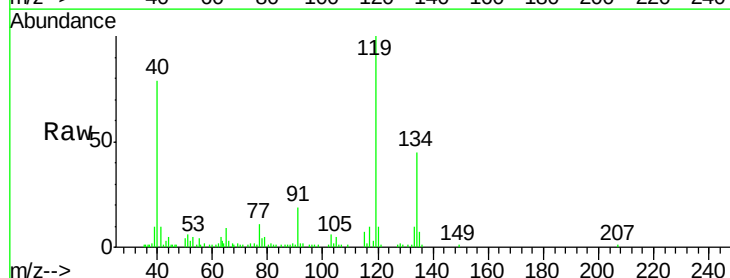
Tgt Ion: 75 Resp: 266

Ion Ratio Lower Upper

75 100

155 0.0 39.5 118.5#

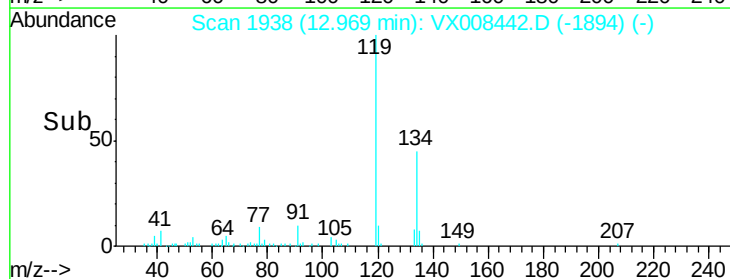
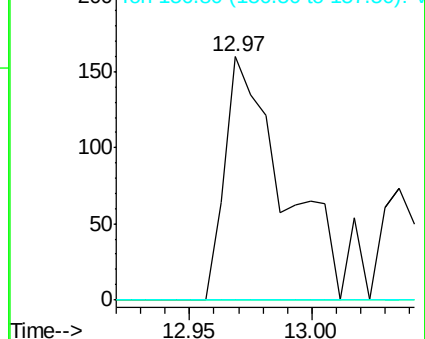
157 0.0 49.9 149.7#

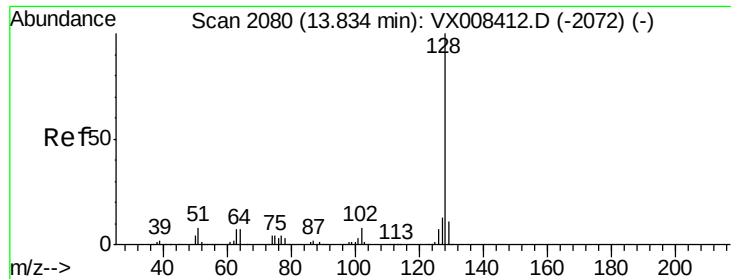


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95  
 Naphthalene  
 Concen: 0.250 ug/l  
 RT: 13.83 min Scan# 2080  
 Delta R.T. 0.00 min  
 Lab File: VX008442.D  
 Acq: 26 Mar 2019 03:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 16.9  | 10.4  | 15.6# |
| 129     | 19.4  | 8.7   | 13.1# |

