

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022819\  
 Data File : VX007765.D  
 Acq On : 28 Feb 2019 14:39  
 Operator : JC/SP  
 Sample : K1653-02DL 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2DL

Quant Time: Mar 01 01:30:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 26 01:53:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 327935   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 504685   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 479131   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 235338   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 191846   | 47.23 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 94.46% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 164960   | 48.90 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 97.80% |          |
| 50) Toluene-d8              | 8.71  | 98   | 620422   | 48.04 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 96.08% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 229411   | 48.39 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 96.78% |          |

| Target Compounds            | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|-----------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane             | 1.65  | 94   | 227      | Below Cal |        | 100    |
| 6) Chloroethane             | 1.58  | 64   | 12129    | 5.528     | ug/l # | 52     |
| 11) Tert butyl alcohol      | 3.06  | 59   | 19952    | 25.888    | ug/l # | 73     |
| 13) Acrolein                | 2.27  | 56   | 3282     | 4.792     | ug/l # | 1      |
| 14) Allyl chloride          | 2.85  | 41   | 37337    | 7.039     | ug/l # | 66     |
| 15) Acrylonitrile           | 3.18  | 53   | 4107     | 2.264     | ug/l # | 41     |
| 16) Acetone                 | 2.45  | 43   | 10625    | 5.882     | ug/l   | 90     |
| 18) Methyl Acetate          | 2.85  | 43   | 85506    | 21.692    | ug/l # | 51     |
| 19) Methyl tert-butyl Ether | 3.21  | 73   | 22481    | 2.251     | ug/l # | 36     |
| 20) Methylene Chloride      | 2.85  | 84   | 2044     | 0.613     | ug/l # | 1      |
| 22) Diisopropyl ether       | 3.87  | 45   | 2663     | 0.241     | ug/l # | 46     |
| 23) Vinyl Acetate           | 3.81  | 43   | 2925     | 0.302     | ug/l # | 71     |
| 25) 2-Butanone              | 4.70  | 43   | 4706     | 1.710     | ug/l   | 99     |
| 30) Chloroform              | 5.29  | 83   | 4062     | 0.632     | ug/l # | 25     |
| 31) Cyclohexane             | 5.57  | 56   | 47802    | 8.469     | ug/l   | 98     |
| 36) 1,1-Dichloropropene     | 5.66  | 75   | 21375    | 4.711     | ug/l # | 48     |
| 38) Carbon Tetrachloride    | 5.66  | 117  | 28717    | 6.301     | ug/l # | 17     |
| 39) Methylcyclohexane       | 7.46  | 83   | 21030    | 3.667     | ug/l # | 87     |
| 40) Benzene                 | 6.15  | 78   | 600888   | 42.901    | ug/l   | 100    |
| 41) Methacrylonitrile       | 5.07  | 41   | 624      | 0.232     | ug/l # | 22     |
| 42) 1,2-Dichloroethane      | 6.15  | 62   | 5282     | 1.122     | ug/l # | 74     |
| 43) Isopropyl Acetate       | 6.46  | 43   | 1566     | 0.202     | ug/l # | 61     |
| 48) Methyl methacrylate     | 7.73  | 41   | 2884     | 0.709     | ug/l # | 55     |
| 52) Toluene                 | 8.79  | 92   | 19555    | 2.214     | ug/l   | 99     |
| 53) t-1,3-Dichloropropene   | 9.05  | 75   | 26       | 2.807     | ug/l # | 1      |
| 55) 1,1,2-Trichloroethane   | 9.16  | 97   | 3022     | 0.821     | ug/l # | 20     |
| 67) Ethyl Benzene           | 10.25 | 91   | 703383   | 40.975    | ug/l   | 100    |
| 68) m/p-Xylenes             | 10.36 | 106  | 10365    | 1.552     | ug/l # | 1      |
| 69) o-Xylene                | 10.69 | 106  | 2743     | 0.427     | ug/l   | 86     |
| 73) Isopropylbenzene        | 11.02 | 105  | 62242    | 3.701     | ug/l   | 100    |
| 76) 1,2,3-Trichloropropane  | 11.13 | 75   | 110969   | 22.121    | ug/l # | 32     |
| 78) n-propylbenzene         | 11.36 | 91   | 150722   | 7.930     | ug/l   | 97     |
| 79) 2-Chlorotoluene         | 11.36 | 91   | 150722   | 13.170    | ug/l # | 38     |
| 80) 1,3,5-Trimethylbenzene  | 11.45 | 105  | 15624    | 1.129     | ug/l   | 71     |

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 MW-2DL

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 Quant Title : SW846 8260  
 QLast Update : Tue Feb 26 01:53:13 2019  
 Response via : Initial Calibration

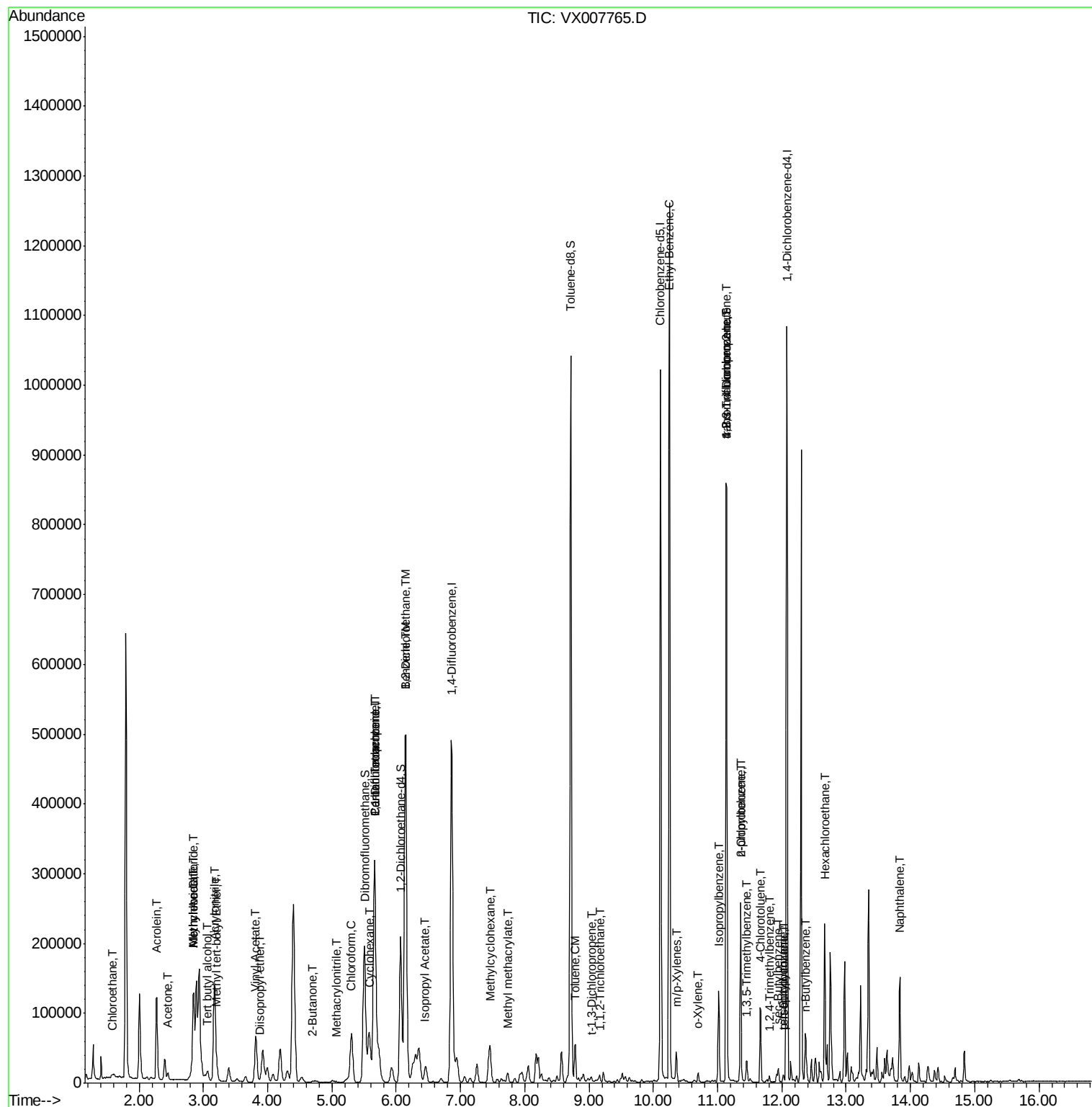
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 110969   | 58.721 | ug/l # | 9        |
| 82) 4-Chlorotoluene            | 11.66 | 91   | 6574     | 0.491  | ug/l # | 42       |
| 83) tert-Butylbenzene          | 12.02 | 119  | 4137     | 0.311  | ug/l   | 71       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 3929     | 0.278  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 9561     | 0.574  | ug/l   | 94       |
| 86) p-Isopropyltoluene         | 12.02 | 119  | 4221     | 0.290  | ug/l # | 79       |
| 89) n-Butylbenzene             | 12.38 | 91   | 13938    | 1.072  | ug/l # | 68       |
| 90) Hexachloroethane           | 12.67 | 117  | 10482    | 4.267  | ug/l # | 5        |
| 95) Naphthalene                | 13.83 | 128  | 92105    | 5.948  | ug/l   | 99       |

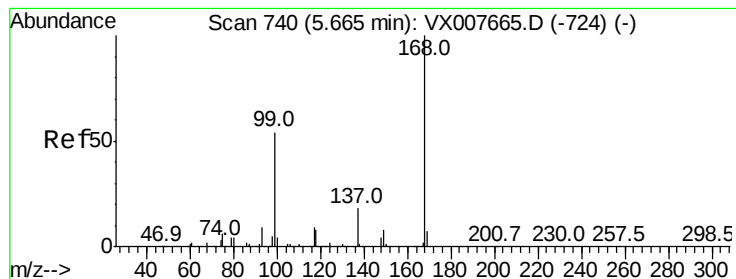
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022819\  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampled :

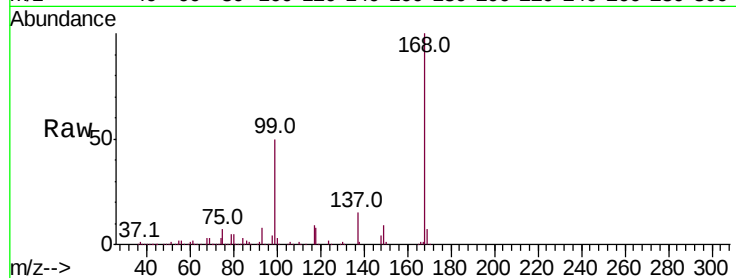
MW-2DL

Tot Ion:168 Resp: 327935

Ion Ratio Lower Upper

168 100

99 49.9 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

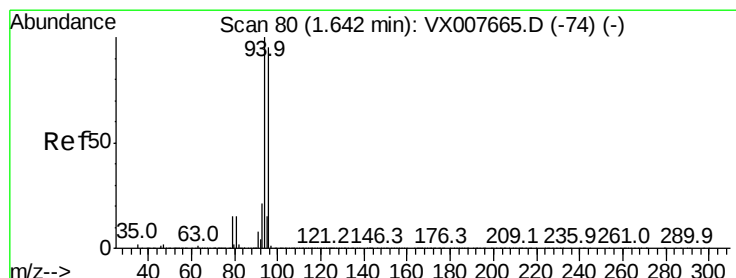
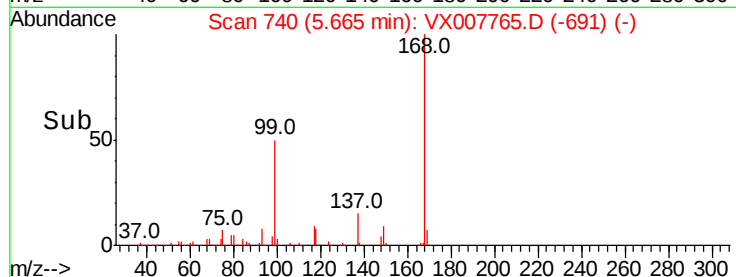
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007765.D

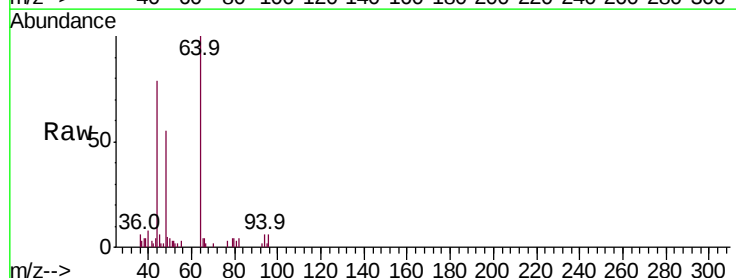
Acq: 28 Feb 2019 14:39

Tgt Ion: 94 Resp: 227

Ion Ratio Lower Upper

94 100

96 92.4 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

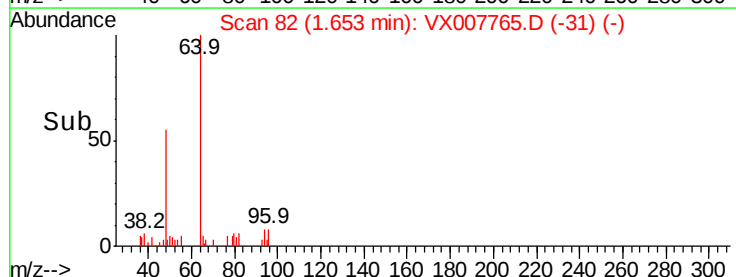
150

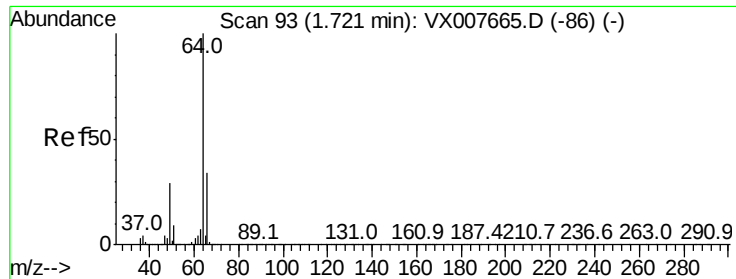
100

50

0

Time--> 1.62 1.64 1.66





#6

Chloroethane

Concen: 5.528 ug/l

RT: 1.58 min Scan# 70

Delta R.T. -0.14 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampleId :

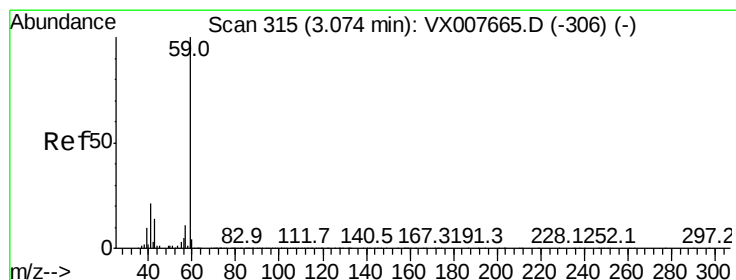
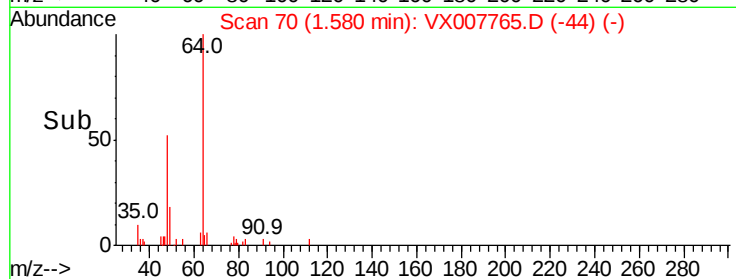
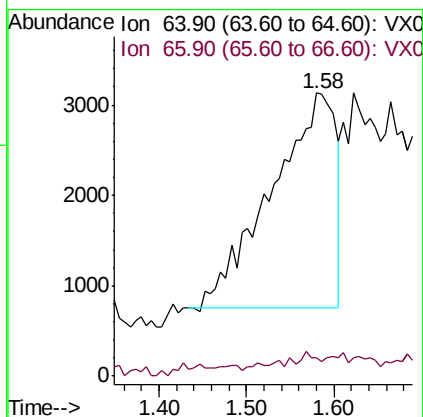
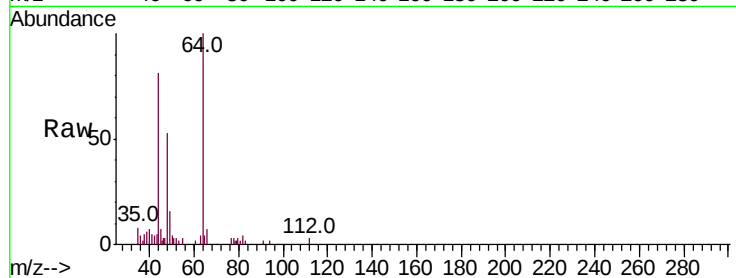
MW-2DL

Tot Ion: 64 Resp: 12129

Ion Ratio Lower Upper

64 100

66 5.4 25.5 38.3#



#11

Tert butyl alcohol

Concen: 25.888 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007765.D

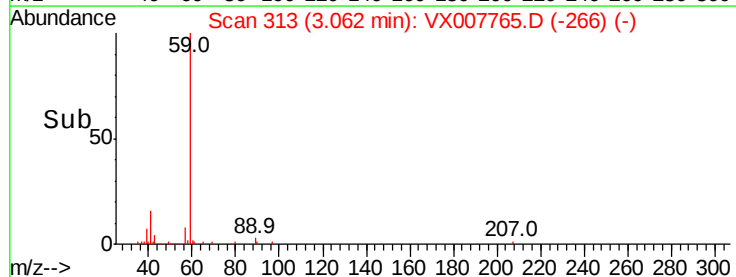
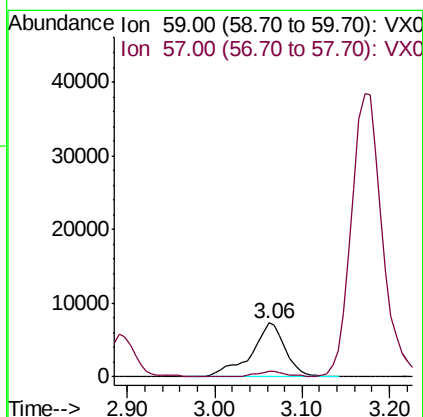
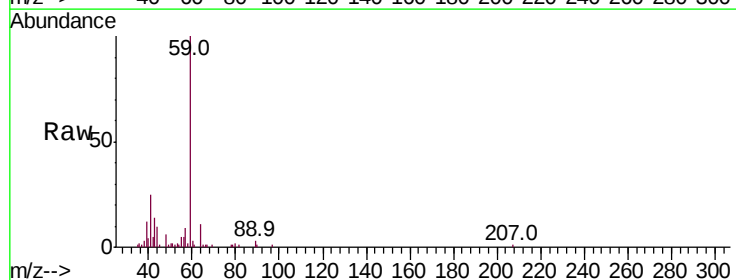
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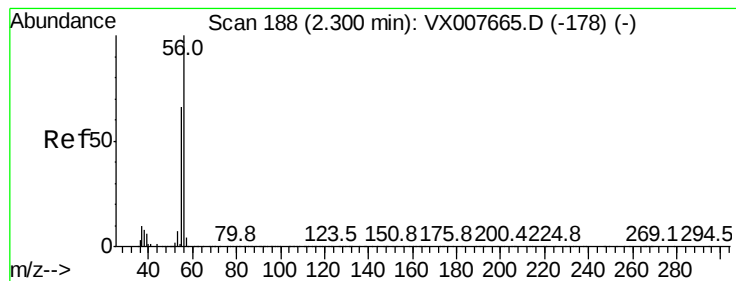
Tgt Ion: 59 Resp: 19952

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#





#13

Acrolein

Concen: 4.792 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.03 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampleId :

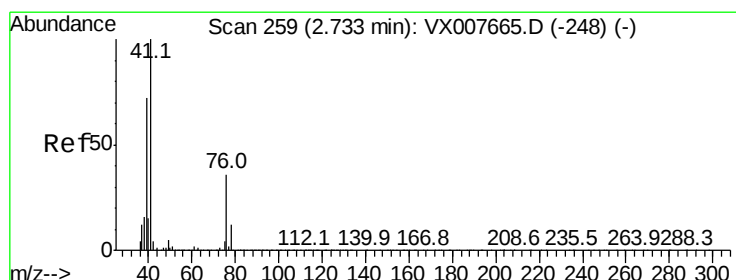
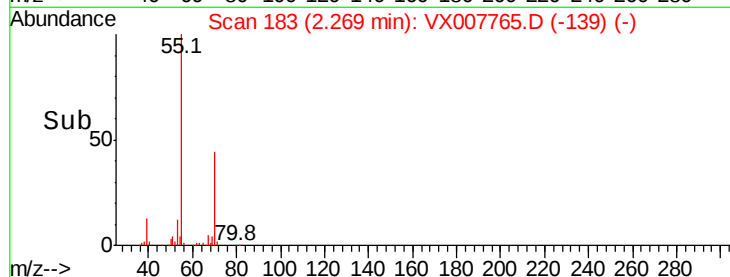
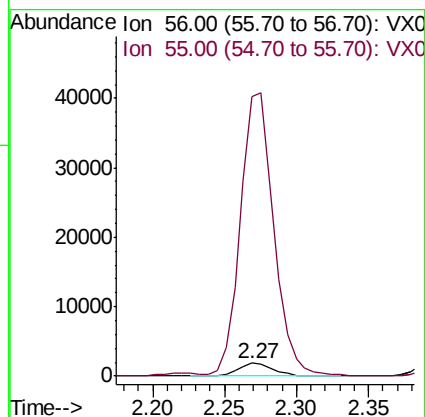
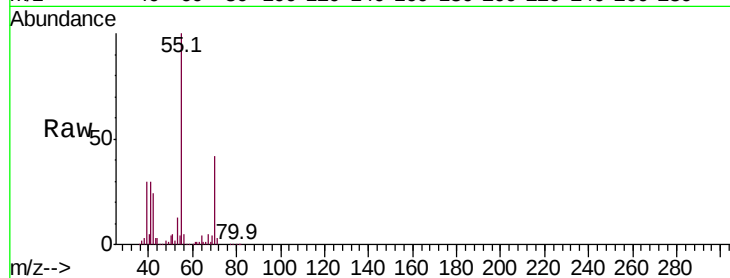
MW-2DL

Tot Ion: 56 Resp: 3282

Ion Ratio Lower Upper

56 100

55 2004.8 56.9 85.3#



#14

Allyl chloride

Concen: 7.039 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.12 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

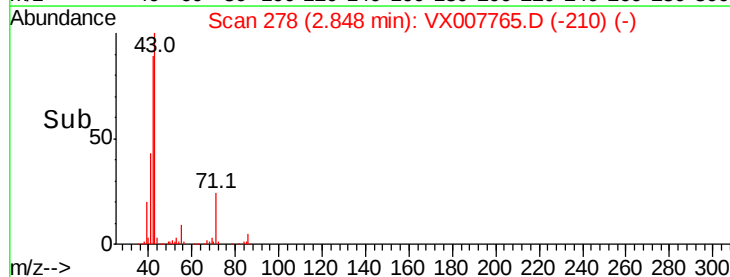
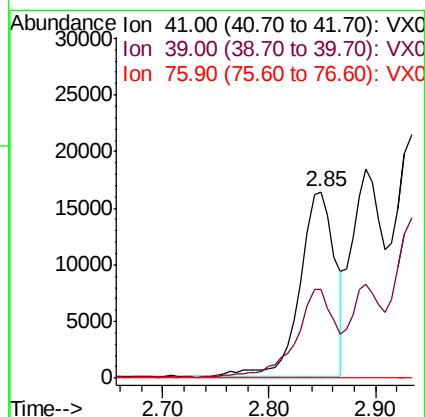
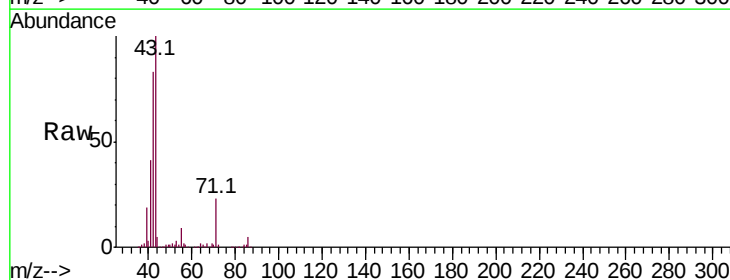
Tgt Ion: 41 Resp: 37337

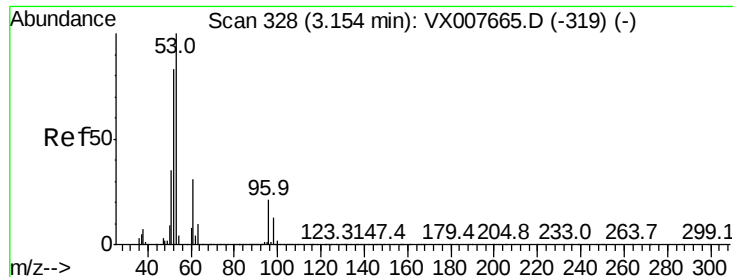
Ion Ratio Lower Upper

41 100

39 50.7 54.1 81.1#

76 0.0 27.8 41.8#

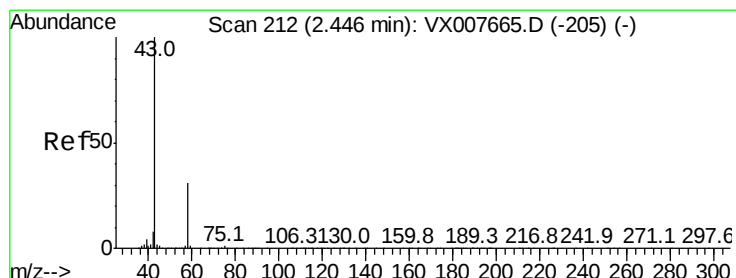
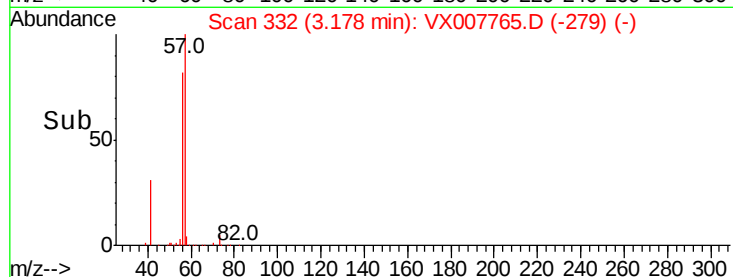
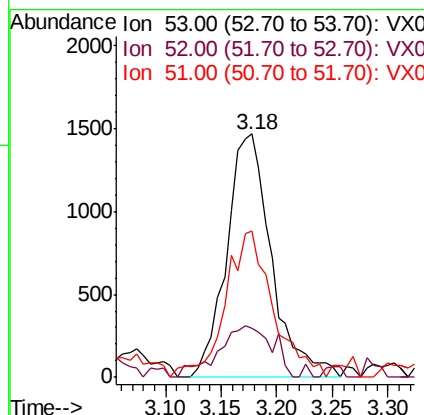
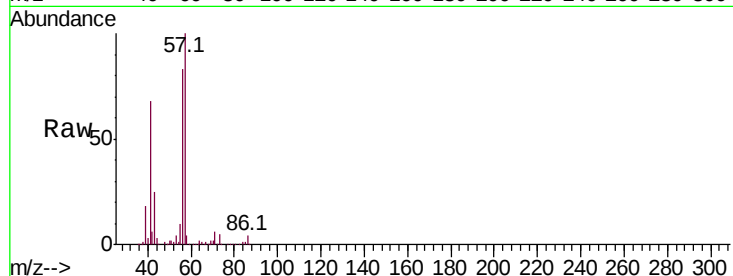




#15  
 Acrylonitrile  
 Concen: 2.264 ug/l  
 RT: 3.18 min Scan# 332  
 Delta R.T. 0.02 min  
 Lab File: VX007765.D  
 Acq: 28 Feb 2019 14:39

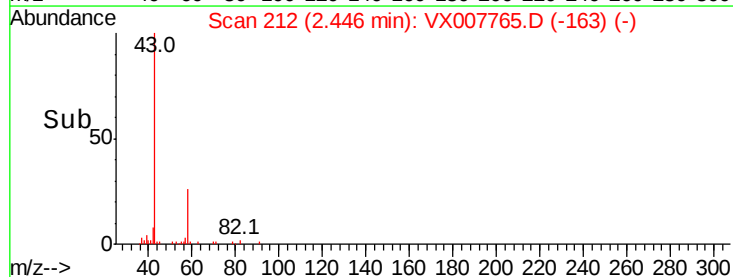
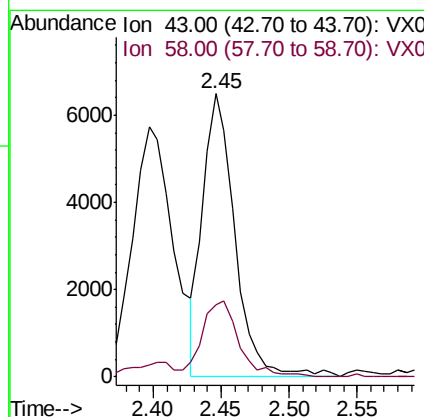
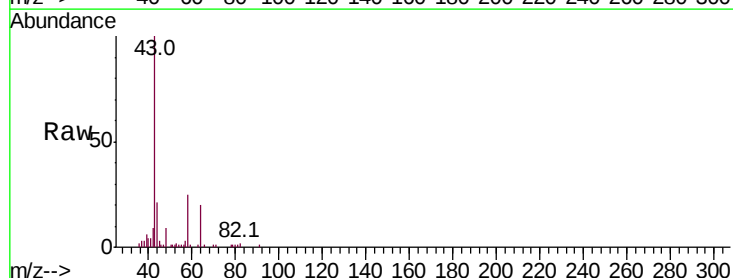
Instrument :  
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 ClientSampleId :  
 MW-2DL

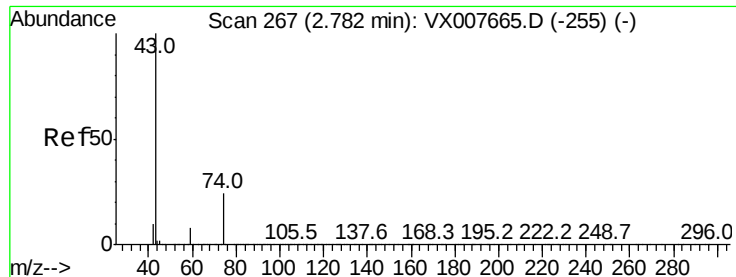
Tot Ion: 53 Resp: 4107  
 Ion Ratio Lower Upper  
 53 100  
 52 25.7 66.4 99.6#  
 51 63.6 28.4 42.6#



#16  
 Acetone  
 Concen: 5.882 ug/l  
 RT: 2.45 min Scan# 212  
 Delta R.T. -0.00 min  
 Lab File: VX007765.D  
 Acq: 28 Feb 2019 14:39

Tgt Ion: 43 Resp: 10625  
 Ion Ratio Lower Upper  
 43 100  
 58 25.4 24.9 37.3

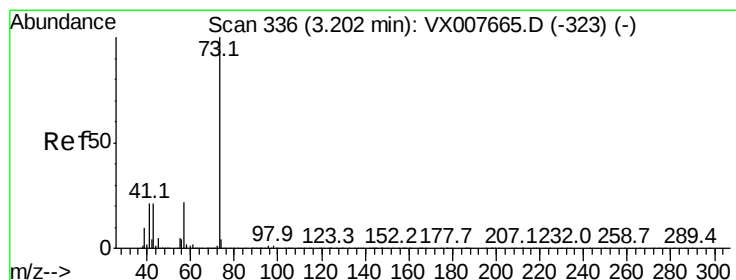
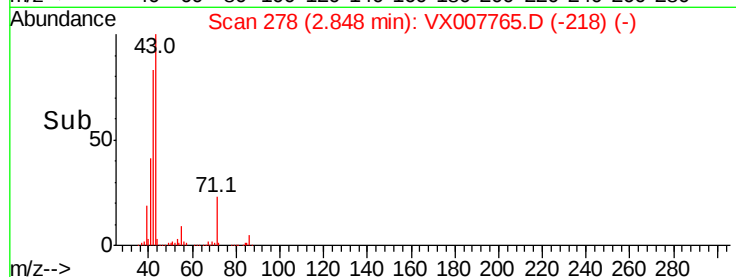
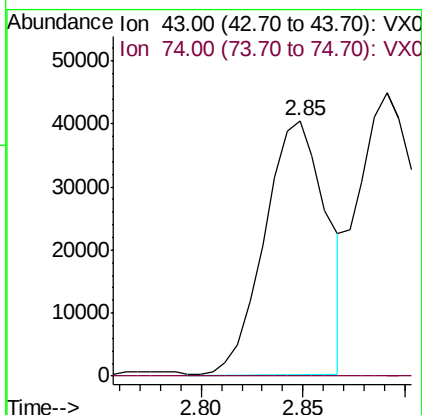
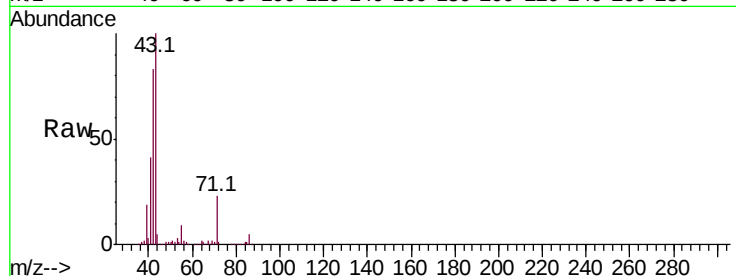




#18  
Methyl Acetate  
Concen: 21.692 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. 0.07 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

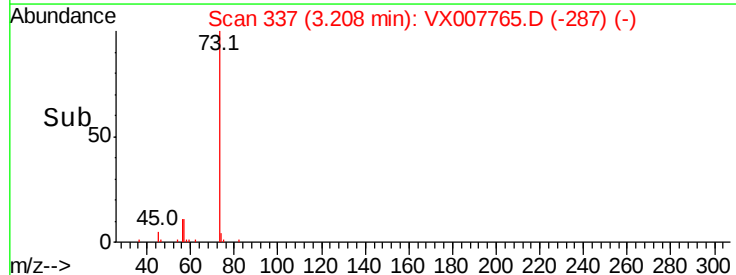
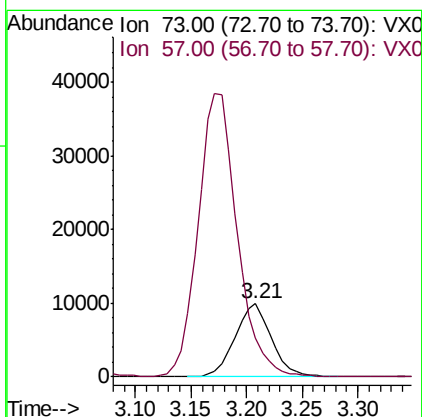
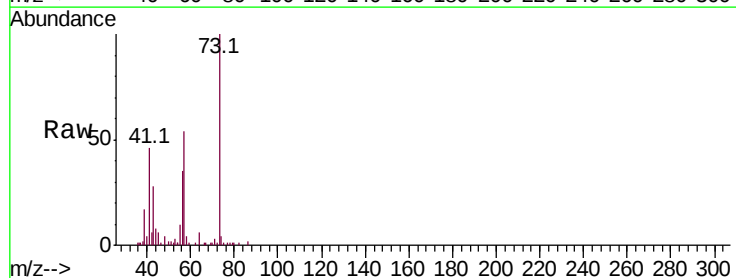
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2DL

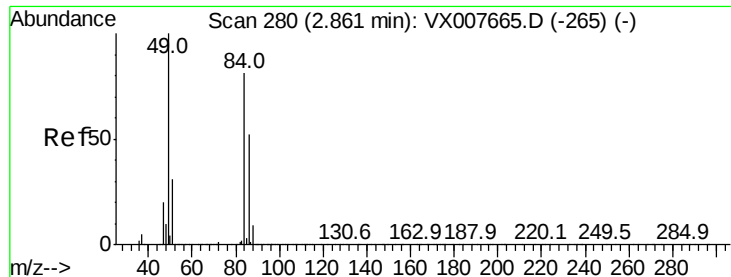
Tot Ion: 43 Resp: 85506  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.4 29.2#



#19  
Methyl tert-butyl Ether  
Concen: 2.251 ug/l  
RT: 3.21 min Scan# 337  
Delta R.T. 0.01 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

Tgt Ion: 73 Resp: 22481  
Ion Ratio Lower Upper  
73 100  
57 53.1 17.8 26.8#

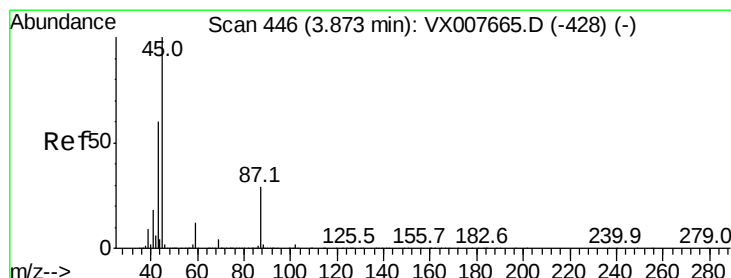
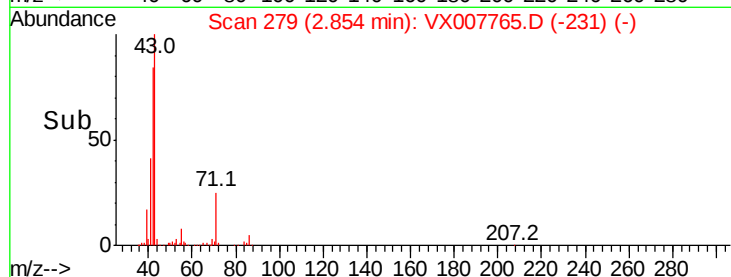
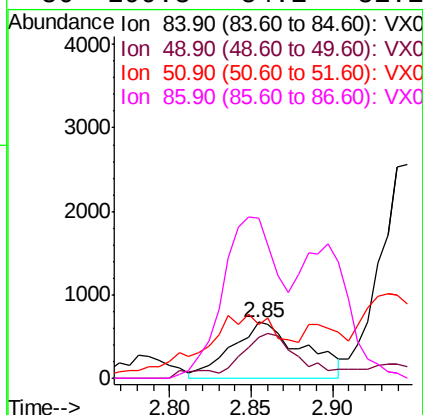
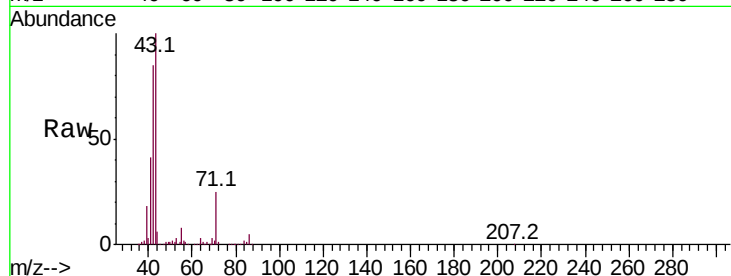




#20  
Methvlene Chloride  
Concen: 0.613 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.01 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

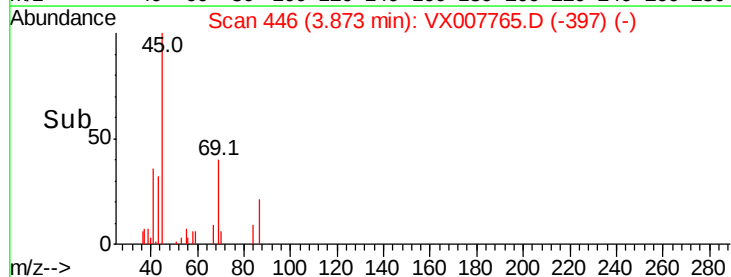
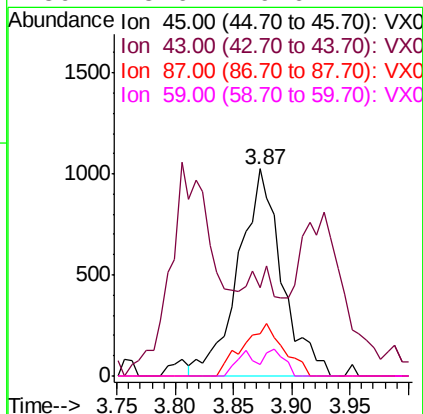
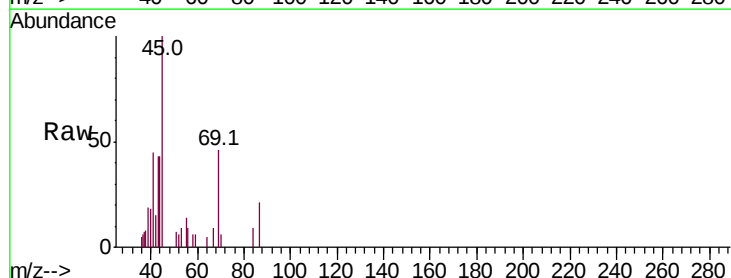
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

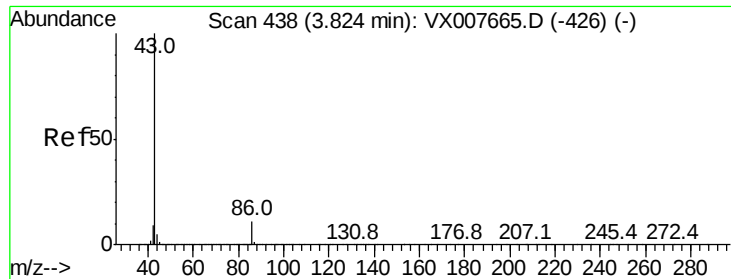
Tot Ion: 84 Resp: 2044  
Ion Ratio Lower Upper  
84 100  
49 69.2 94.8 142.2#  
51 64.5 29.8 44.8#  
86 299.3 54.1 81.1#



#22  
Diisopropyl ether  
Concen: 0.241 ug/l  
RT: 3.87 min Scan# 446  
Delta R.T. -0.00 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

Tgt Ion: 45 Resp: 2663  
Ion Ratio Lower Upper  
45 100  
43 0.0 48.9 73.3#  
87 20.7 23.9 35.9#  
59 5.6 9.6 14.4#





#23

Vinyl Acetate

Concen: 0.302 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.02 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampled :

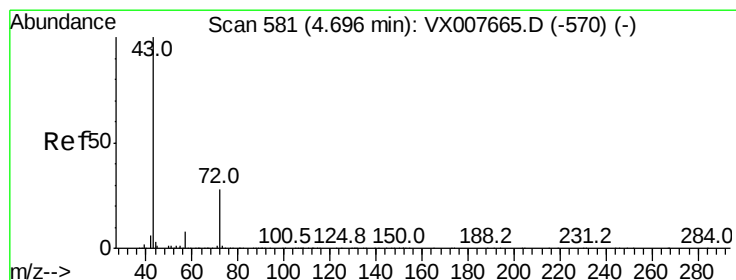
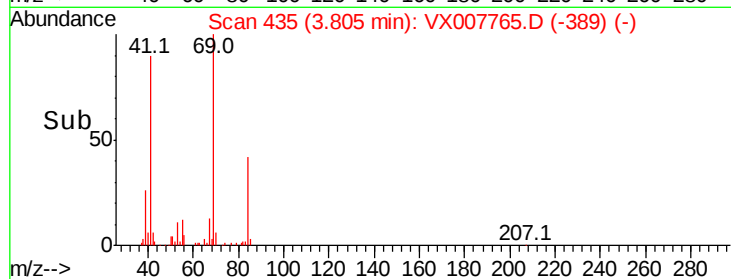
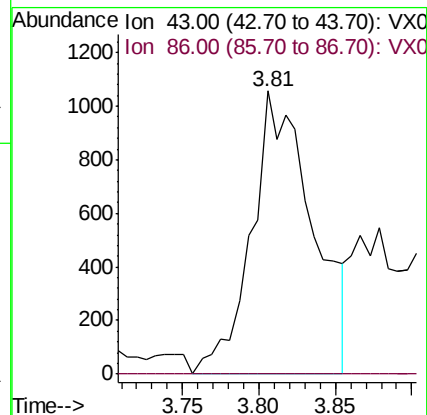
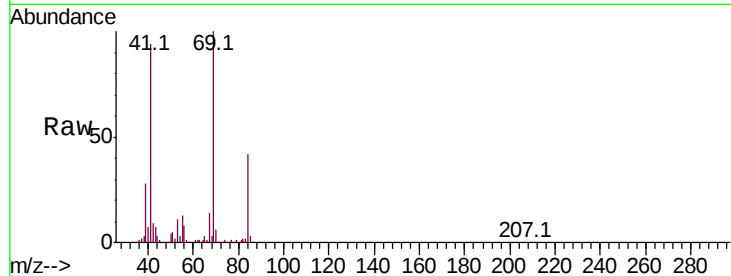
MW-2DL

Tot Ion: 43 Resp: 2925

Ion Ratio Lower Upper

43 100

86 0.0 8.7 13.1#



#25

2-Butanone

Concen: 1.710 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007765.D

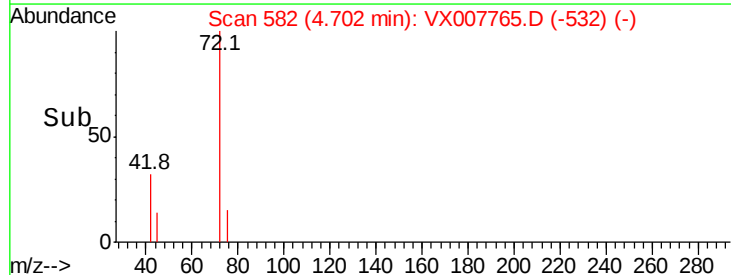
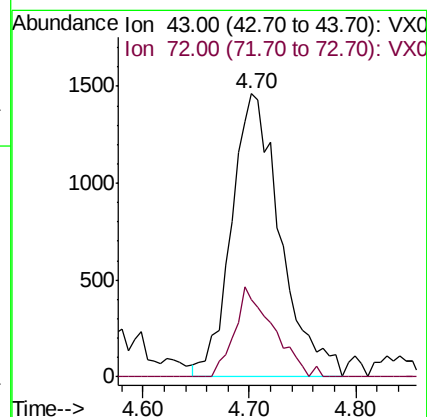
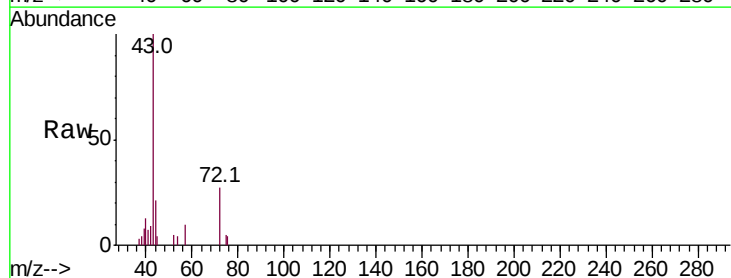
Acq: 28 Feb 2019 14:39

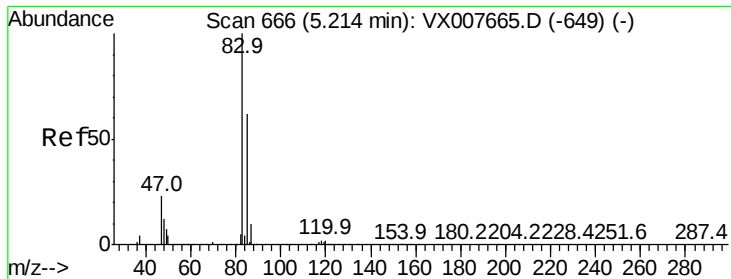
Tgt Ion: 43 Resp: 4706

Ion Ratio Lower Upper

43 100

72 27.4 22.2 33.2

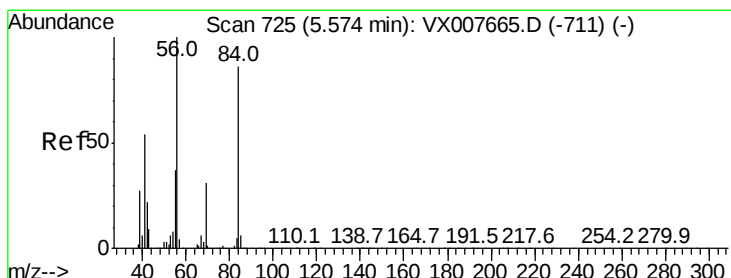
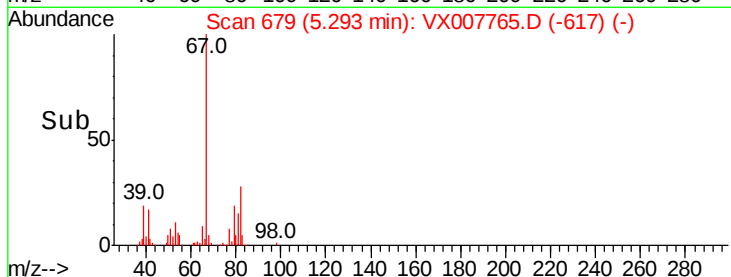
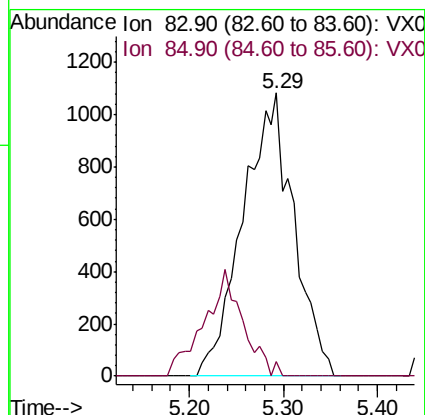
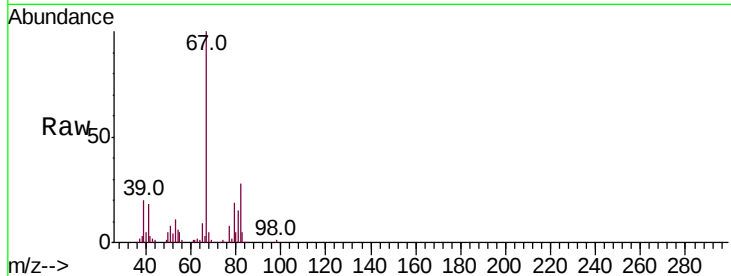




#30  
Chloroform  
Concen: 0.632 ug/l  
RT: 5.29 min Scan# 679  
Delta R.T. 0.08 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

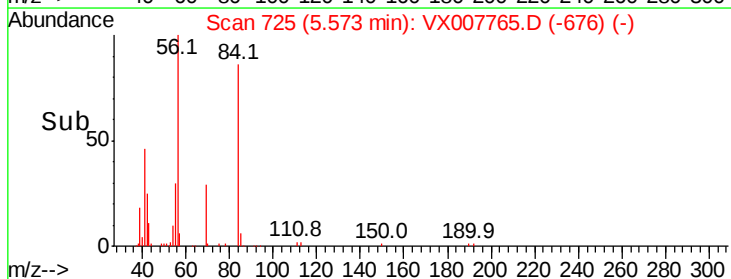
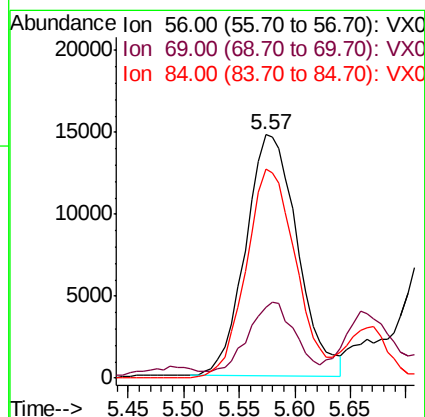
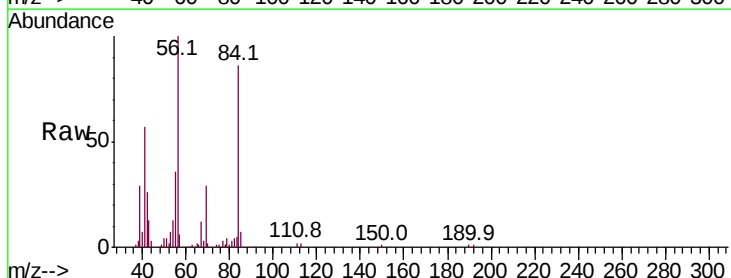
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2DL

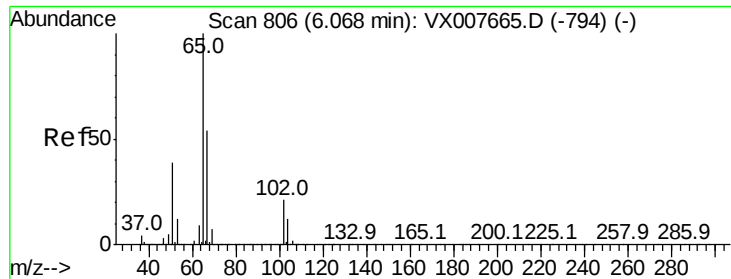
Tot Ion: 83 Resp: 4062  
Ion Ratio Lower Upper  
83 100  
85 5.4 51.6 77.4#



#31  
Cyclohexane  
Concen: 8.469 ug/l  
RT: 5.57 min Scan# 725  
Delta R.T. -0.00 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

Tgt Ion: 56 Resp: 47802  
Ion Ratio Lower Upper  
56 100  
69 25.7 23.0 34.6  
84 86.6 69.8 104.6





#33

1,2-Dichloroethane-d4

Concen: 47.229 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampleId :

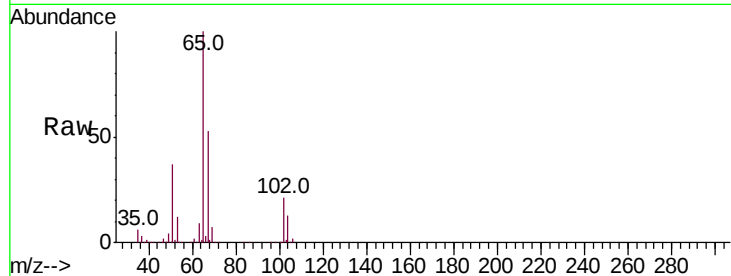
MW-2DL

Tot Ion: 65 Resp: 191846

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

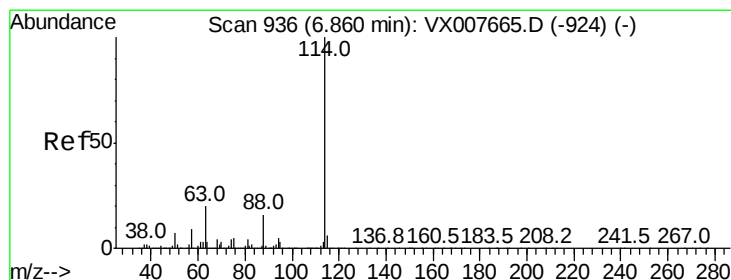
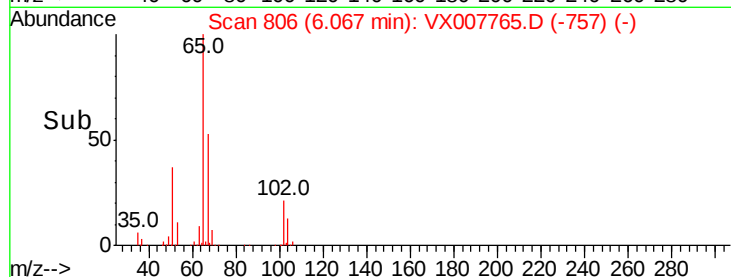
40000

20000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

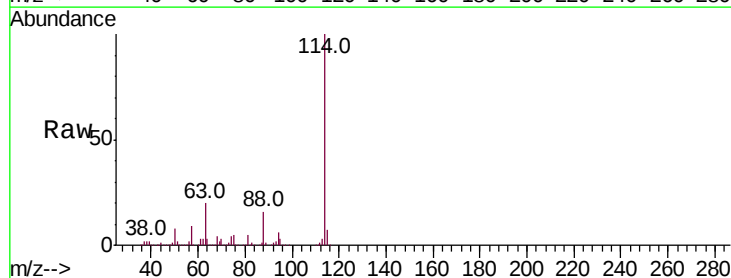
Tgt Ion: 114 Resp: 504685

Ion Ratio Lower Upper

114 100

63 20.1 0.0 35.6

88 15.8 0.0 29.6



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

250000

200000

150000

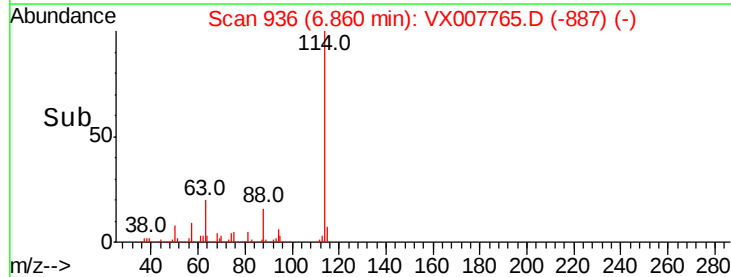
100000

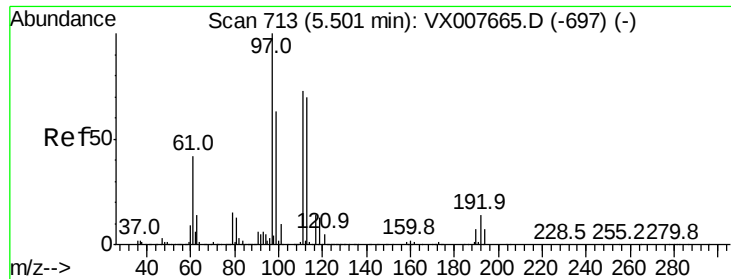
50000

0

Time-->

6.80 7.00





#35

Dibromofluoromethane

Concen: 48.896 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

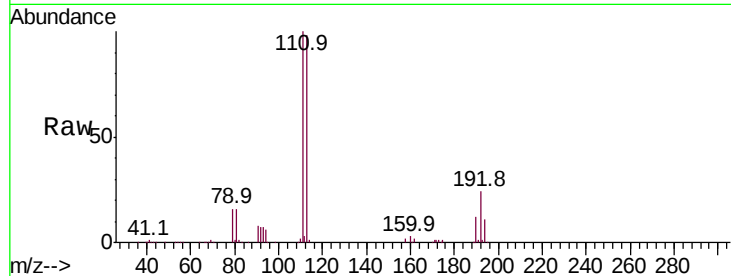
Tot Ion:113 Resp: 164960

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

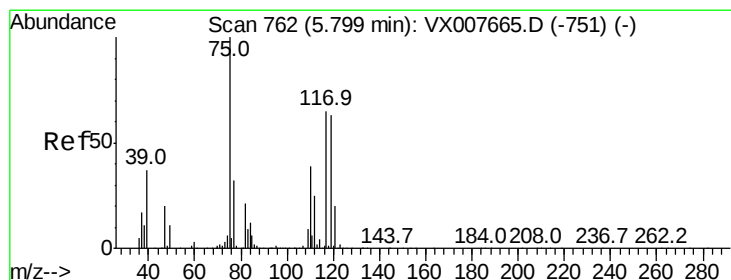
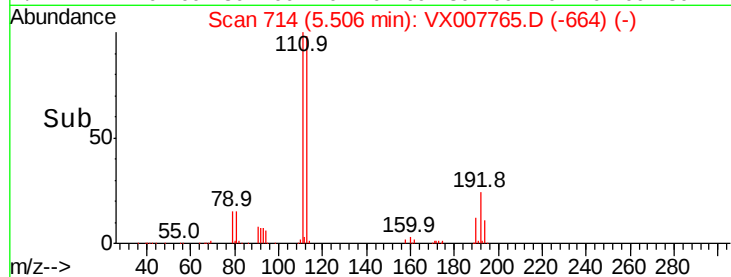
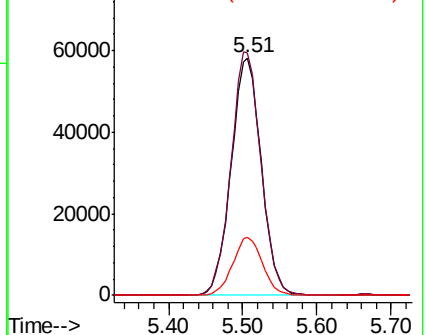
192 24.1 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.711 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

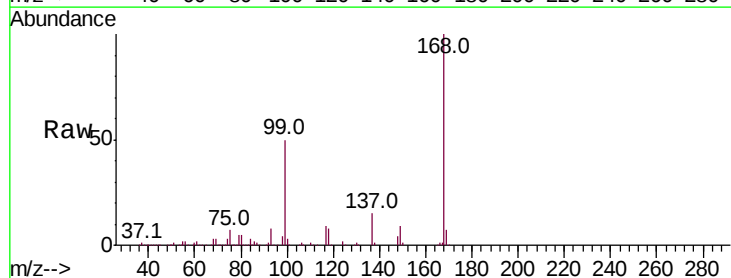
Tgt Ion: 75 Resp: 21375

Ion Ratio Lower Upper

75 100

110 9.8 20.0 59.9#

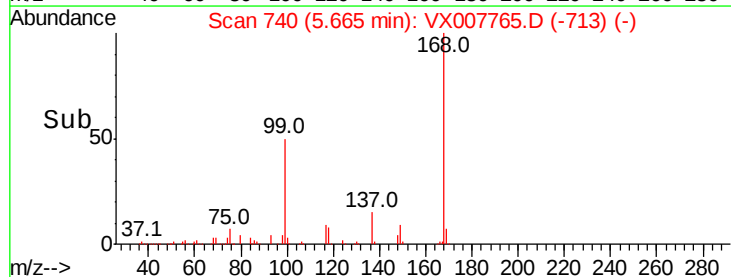
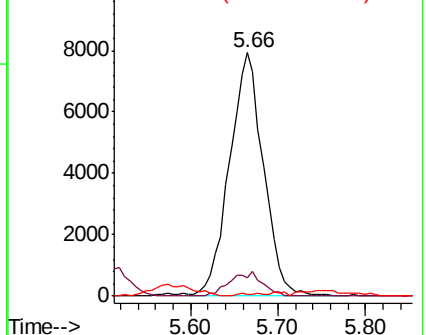
77 0.5 24.7 37.1#

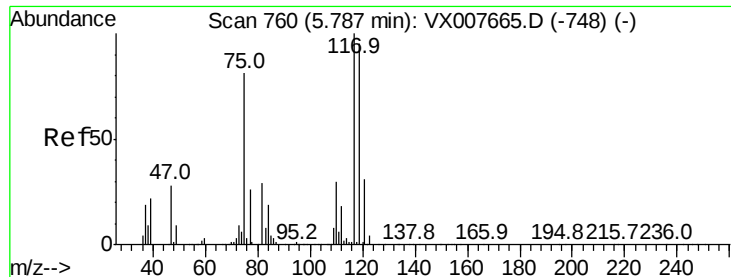


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.301 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampled :

MW-2DL

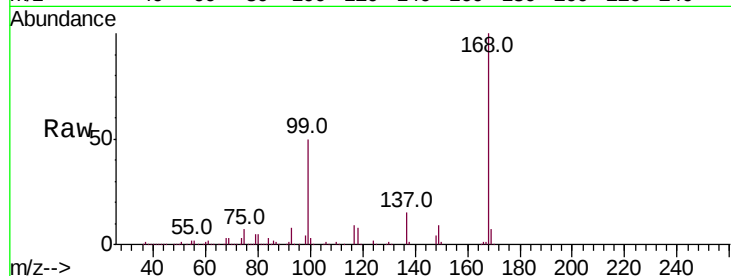
Tot Ion:117 Resp: 28717

Ion Ratio Lower Upper

117 100

119 5.2 75.3 112.9#

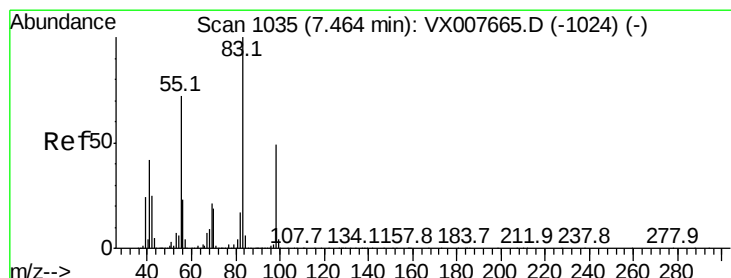
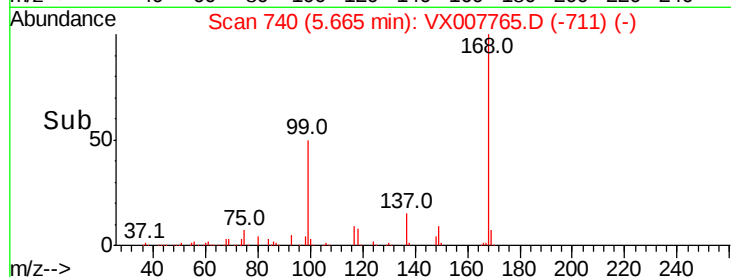
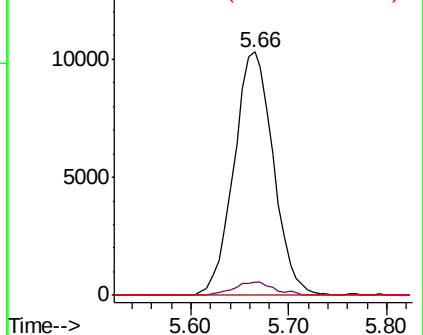
121 0.0 25.0 37.4#



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: 3.667 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

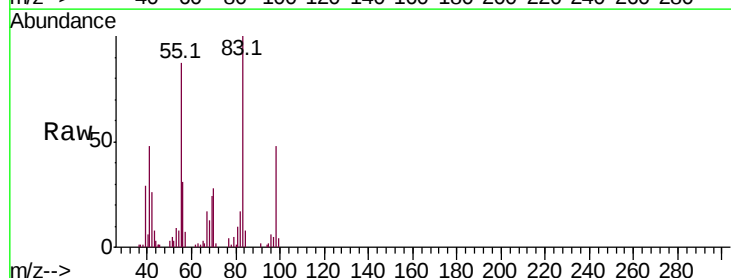
Tgt Ion: 83 Resp: 21030

Ion Ratio Lower Upper

83 100

55 87.0 56.2 84.2#

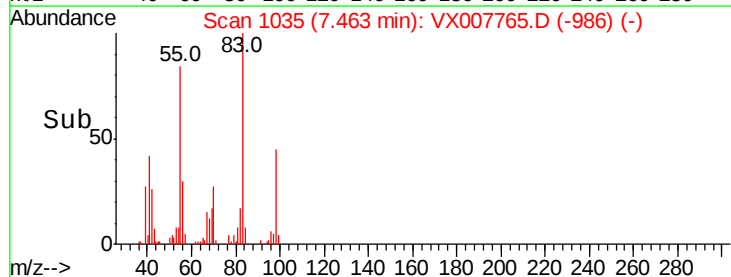
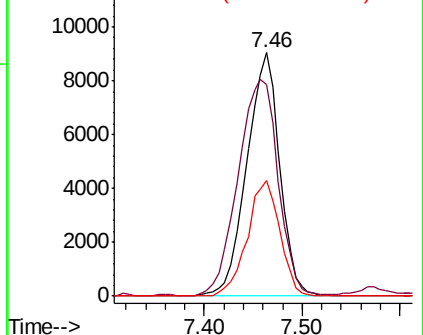
98 47.6 36.8 55.2

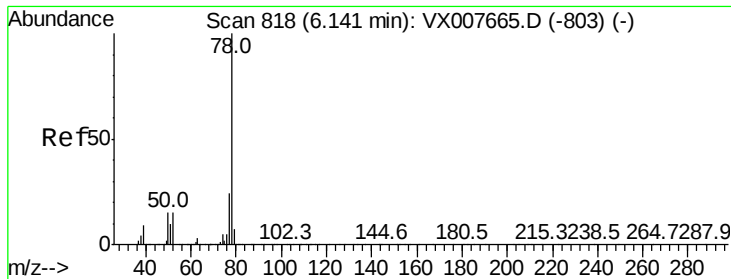


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 42.901 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampled :

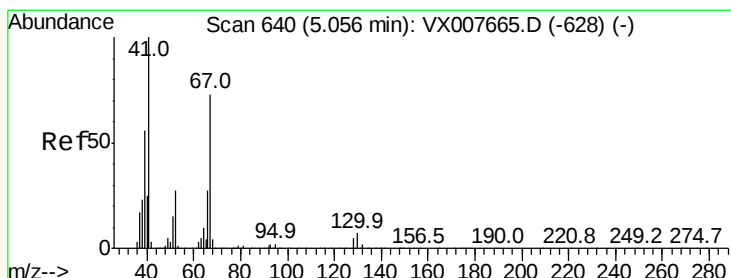
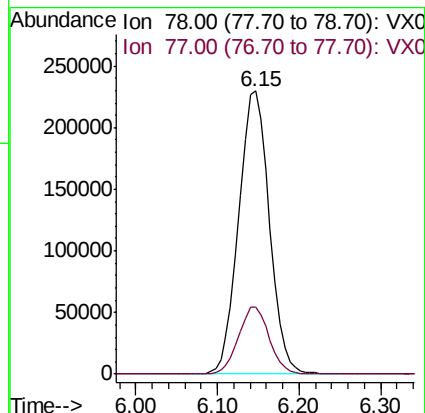
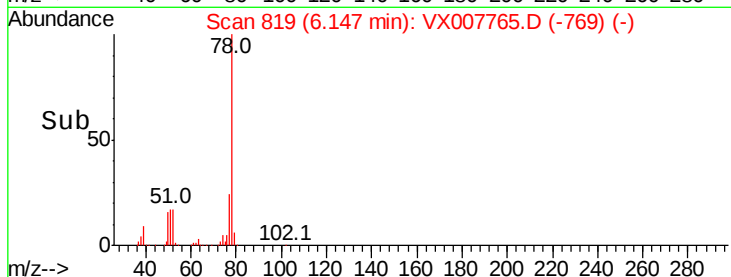
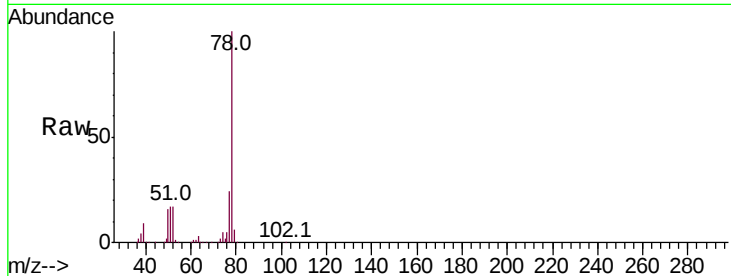
MW-2DL

Tot Ion: 78 Resp: 600888

Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9



#41

Methacrylonitrile

Concen: 0.232 ug/l

RT: 5.07 min Scan# 643

Delta R.T. 0.02 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Tgt Ion: 41 Resp: 624

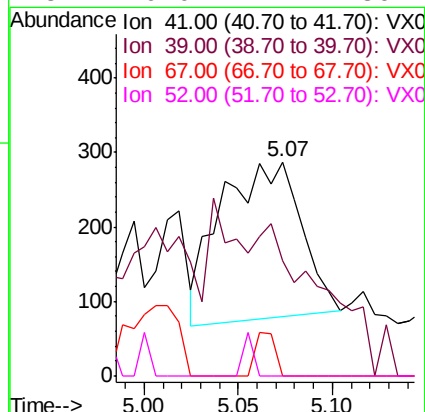
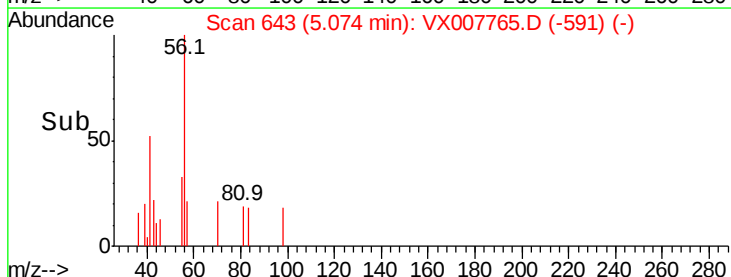
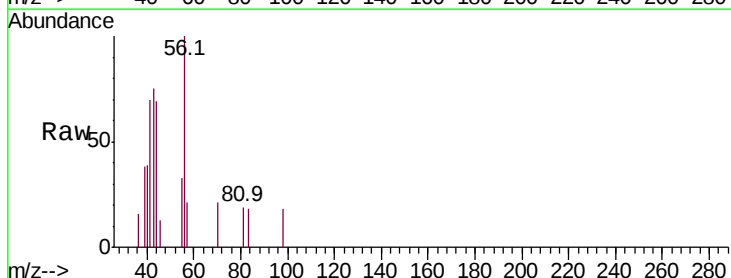
Ion Ratio Lower Upper

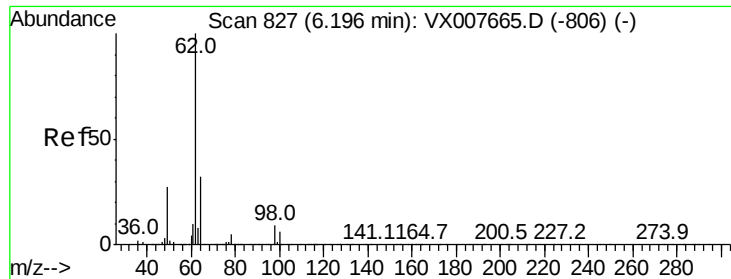
41 100

39 0.0 44.5 66.7#

67 0.0 60.4 90.6#

52 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 1.122 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.05 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampleId :

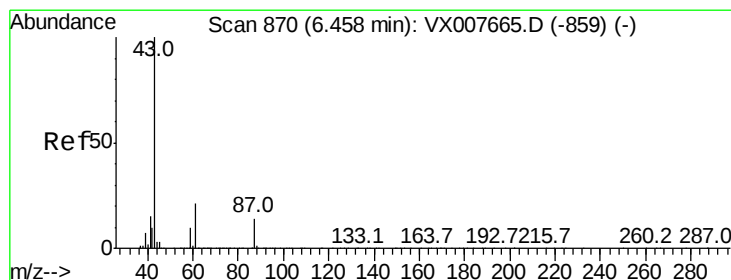
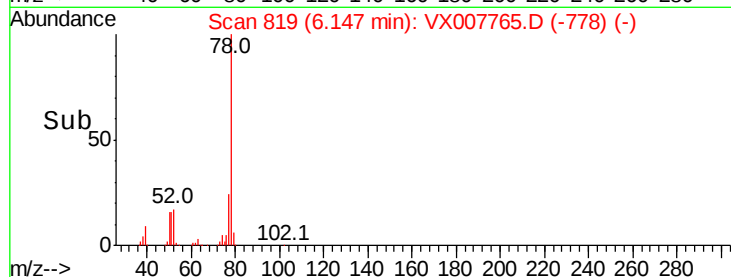
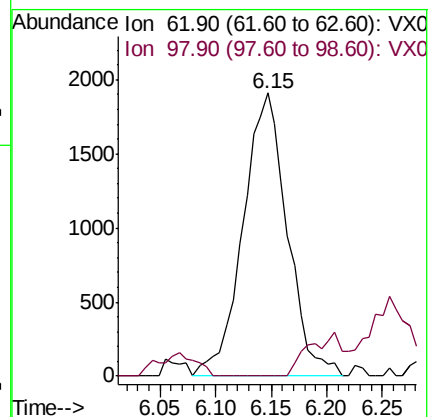
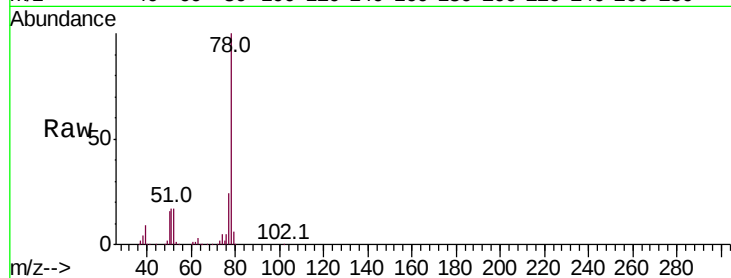
MW-2DL

Tot Ion: 62 Resp: 5282

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.0



#43

Isopropyl Acetate

Concen: 0.202 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

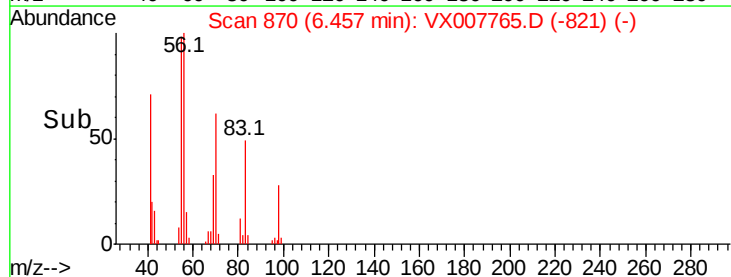
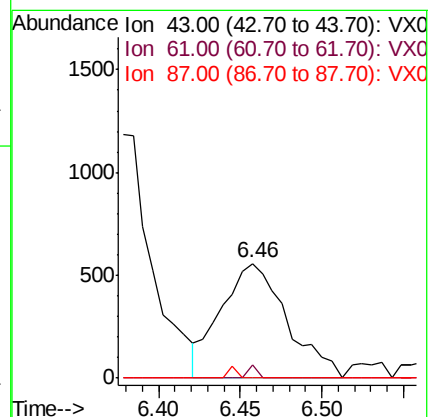
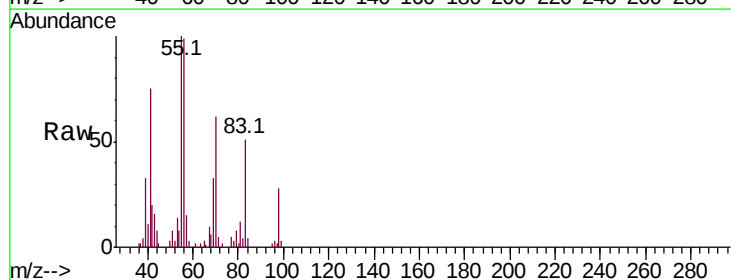
Tgt Ion: 43 Resp: 1566

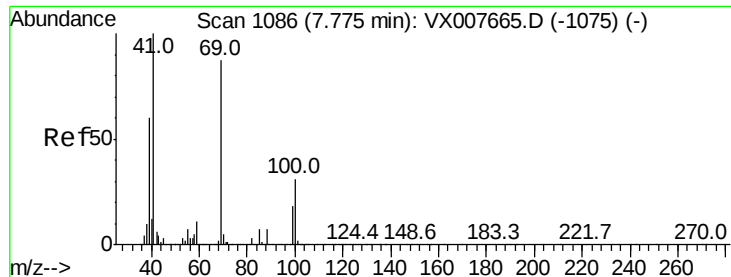
Ion Ratio Lower Upper

43 100

61 0.0 16.1 24.1#

87 1.3 11.5 17.3#

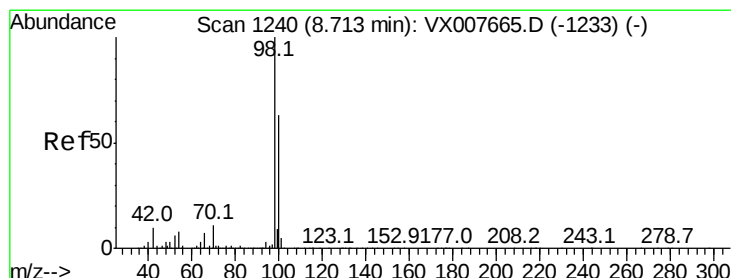
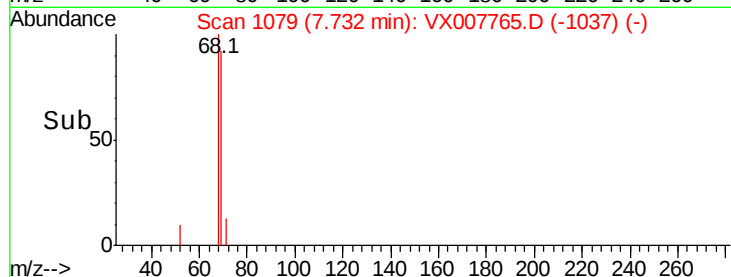
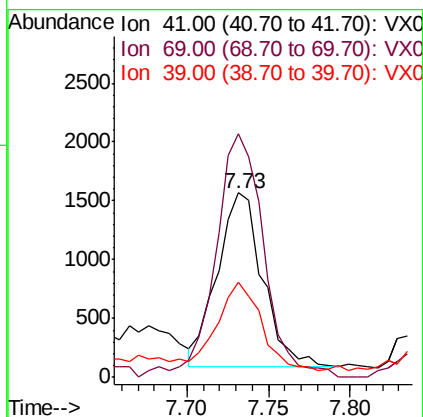
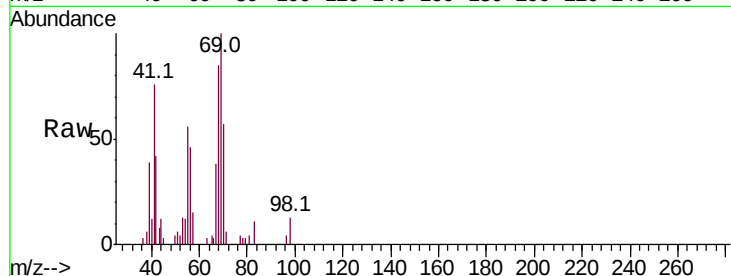




#48  
Methvl methacrylate  
Concen: 0.709 ug/l  
RT: 7.73 min Scan# 1079  
Delta R.T. -0.04 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

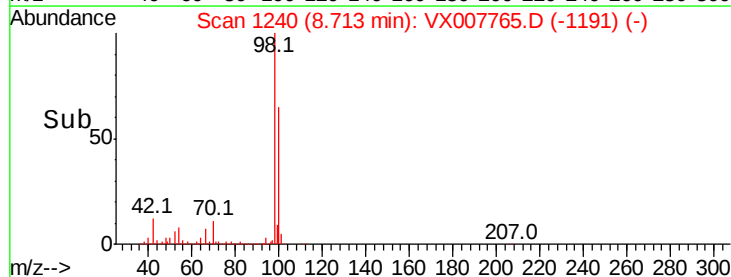
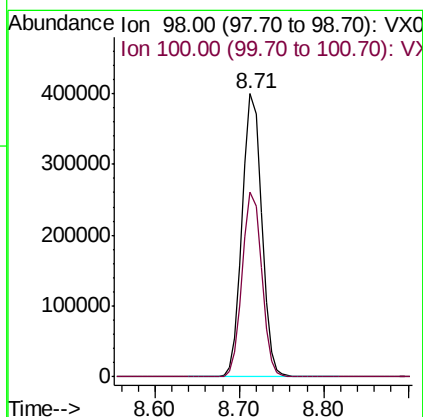
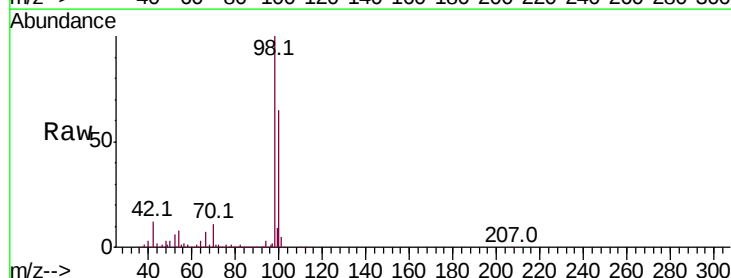
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2DL

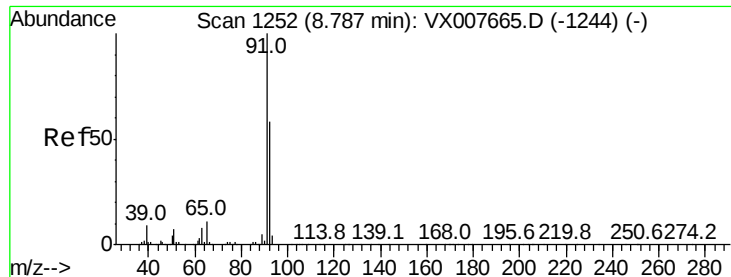
Tot Ion: 41 Resp: 2884  
Ion Ratio Lower Upper  
41 100  
69 149.0 70.2 105.4#  
39 48.5 47.4 71.0



#50  
Toluene-d8  
Concen: 48.036 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

Tgt Ion: 98 Resp: 620422  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.6 77.4





#52

Toluene

Concen: 2.214 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampled :

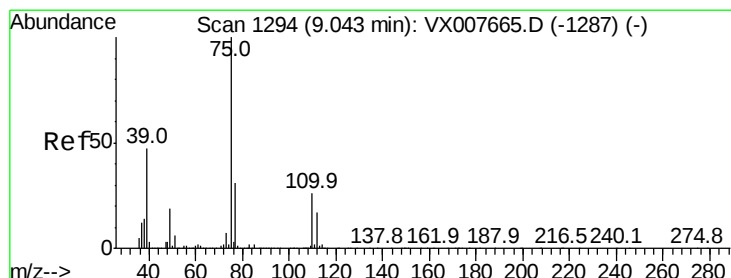
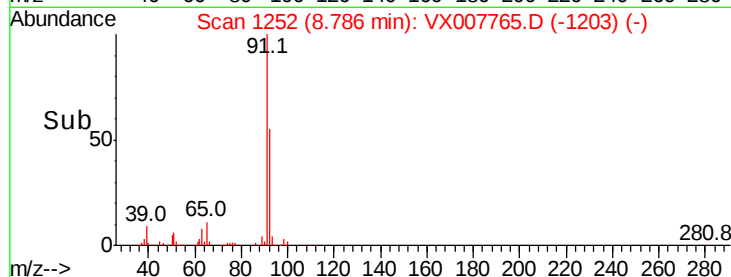
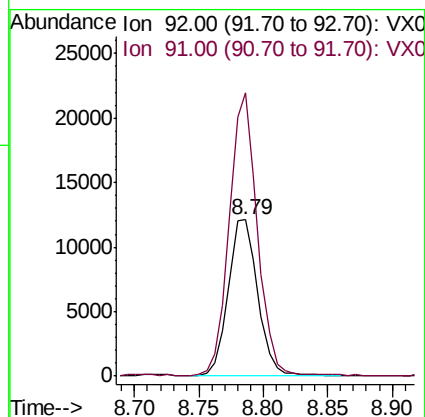
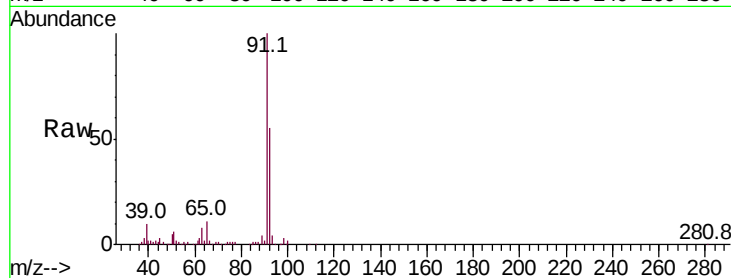
MW-2DL

Tot Ion: 92 Resp: 19555

Ion Ratio Lower Upper

92 100

91 172.1 139.1 208.7



#53

t-1,3-Dichloropropene

Concen: 2.807 ug/l

RT: 9.05 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VX007765.D

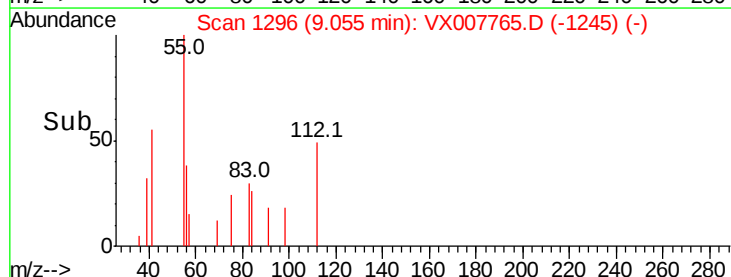
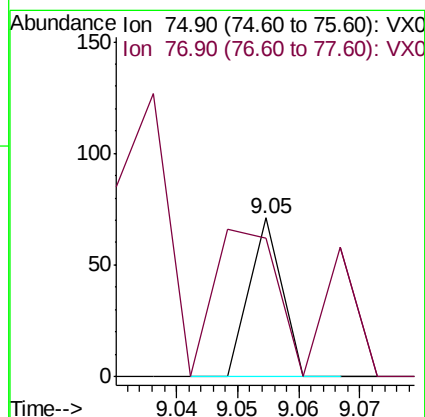
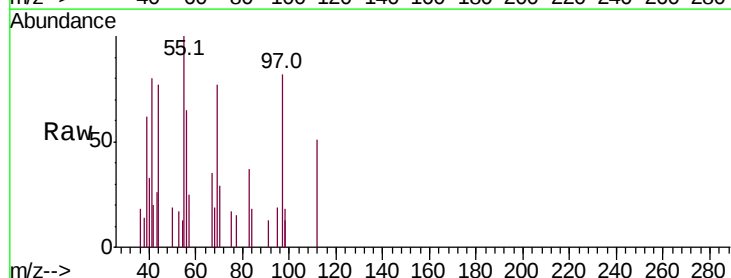
Acq: 28 Feb 2019 14:39

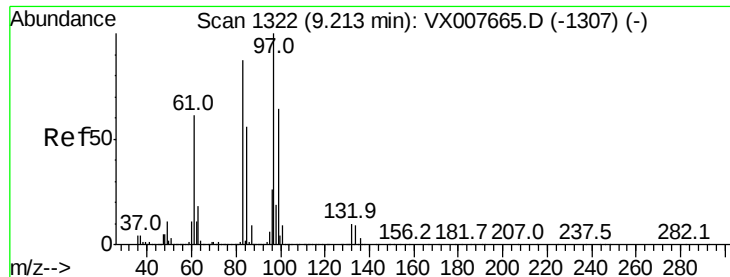
Tgt Ion: 75 Resp: 26

Ion Ratio Lower Upper

75 100

77 87.3 25.2 37.8#

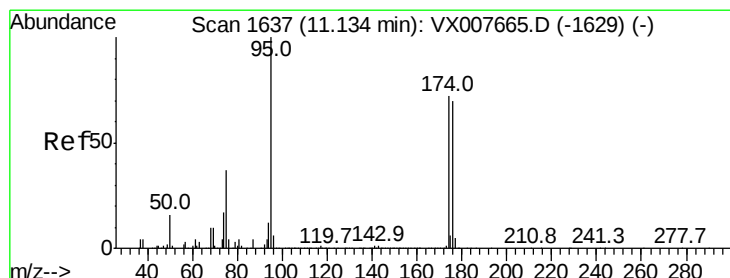
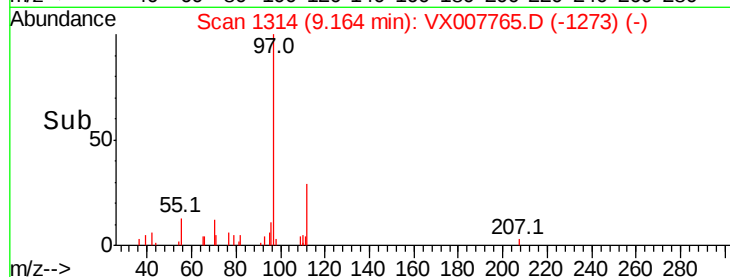
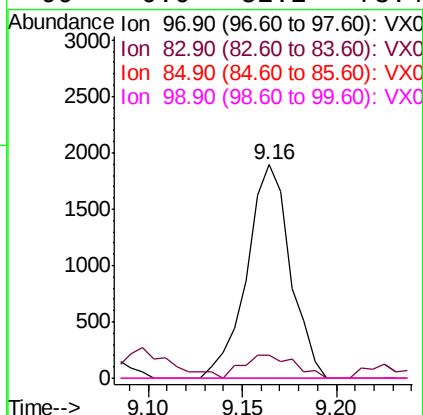
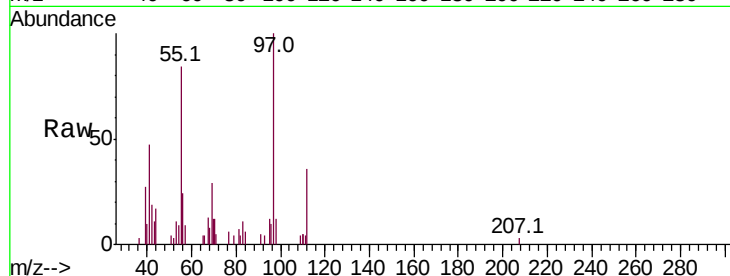




#55  
 1,1,2-Trichloroethane  
 Concen: 0.821 ug/l  
 RT: 9.16 min Scan# 1314  
 Delta R.T. -0.05 min  
 Lab File: VX007765.D  
 Acq: 28 Feb 2019 14:39

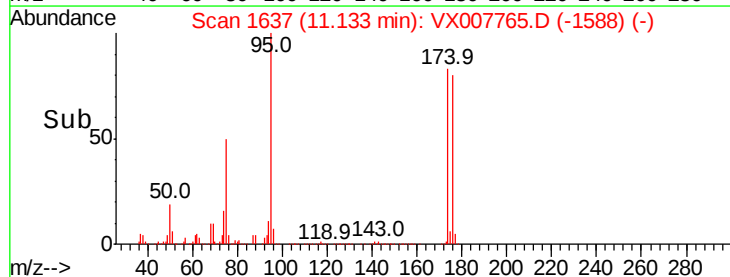
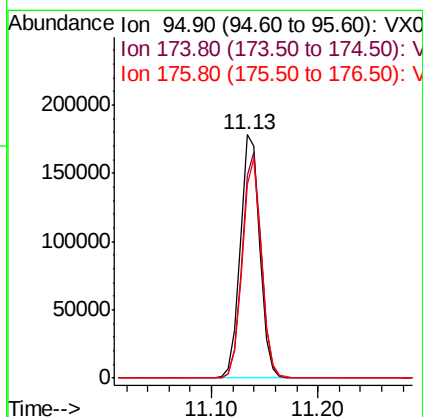
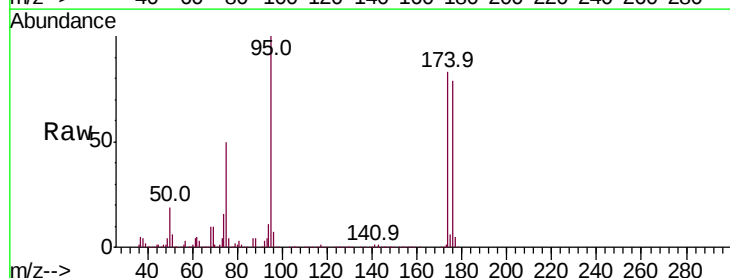
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2DL

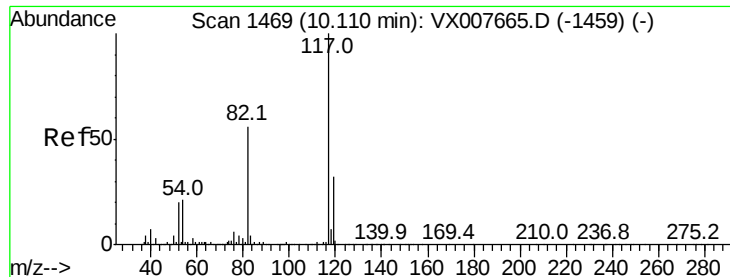
Tot Ion: 97 Resp: 3022  
 Ion Ratio Lower Upper  
 97 100  
 83 11.0 68.6 102.8#  
 85 0.0 44.5 66.7#  
 99 0.0 52.2 78.4#



#62  
 4-Bromofluorobenzene  
 Concen: 48.394 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. -0.00 min  
 Lab File: VX007765.D  
 Acq: 28 Feb 2019 14:39

Tgt Ion: 95 Resp: 229411  
 Ion Ratio Lower Upper  
 95 100  
 174 91.0 0.0 189.2  
 176 88.2 0.0 186.2

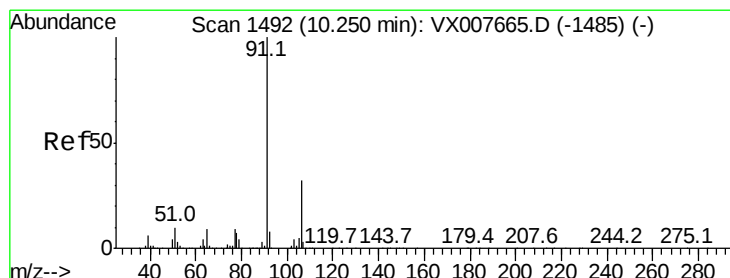
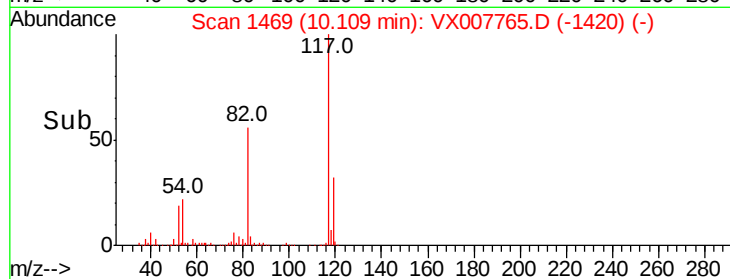
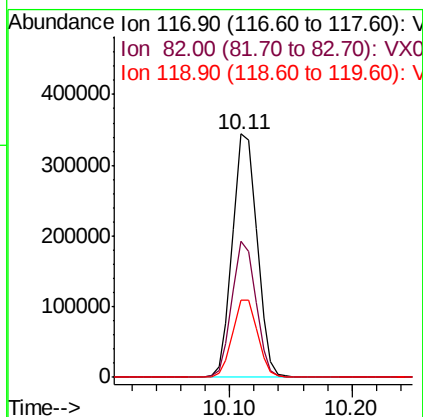
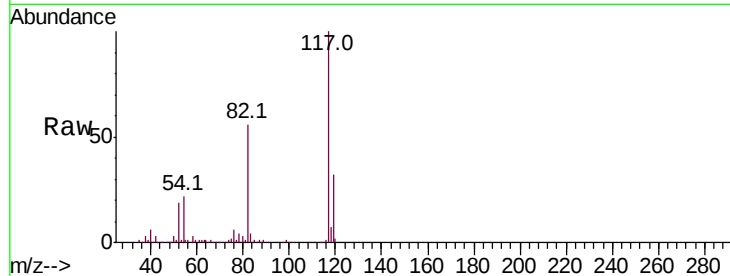




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

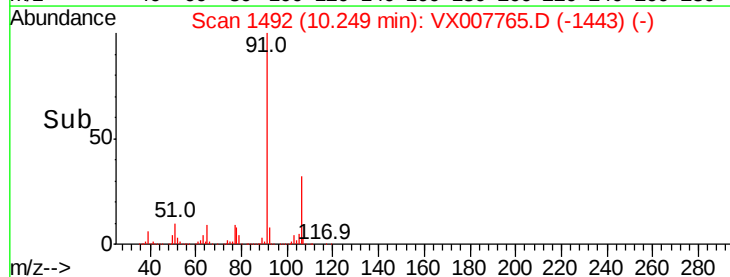
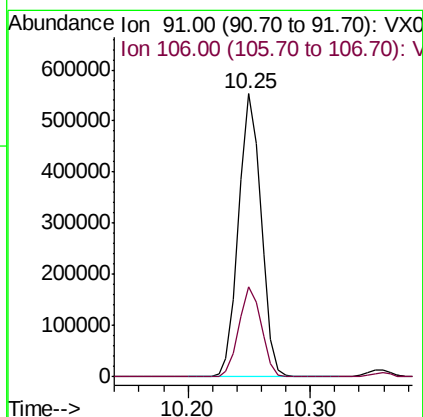
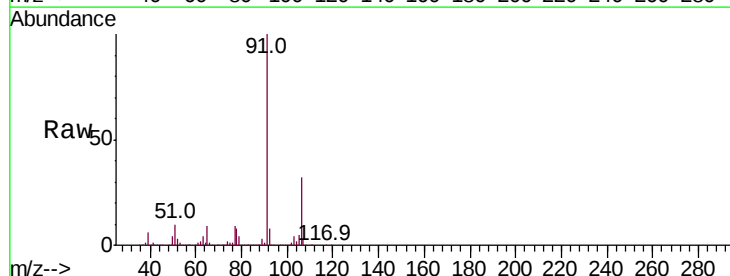
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

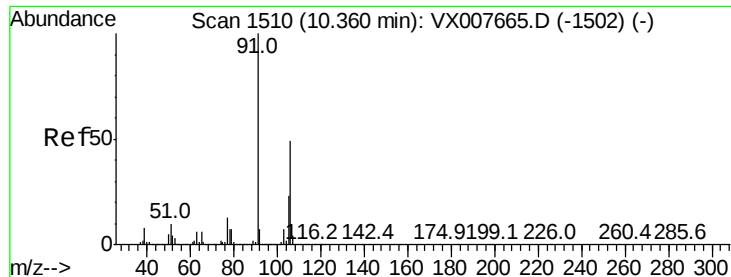
Tot Ion:117 Resp: 479131  
Ion Ratio Lower Upper  
117 100  
82 55.8 42.1 63.1  
119 31.8 26.5 39.7



#67  
Ethyl Benzene  
Concen: 40.975 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. -0.00 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

Tgt Ion: 91 Resp: 703383  
Ion Ratio Lower Upper  
91 100  
106 31.6 25.4 38.0





#68

m/p-Xylenes

Concen: 1.552 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampleId :

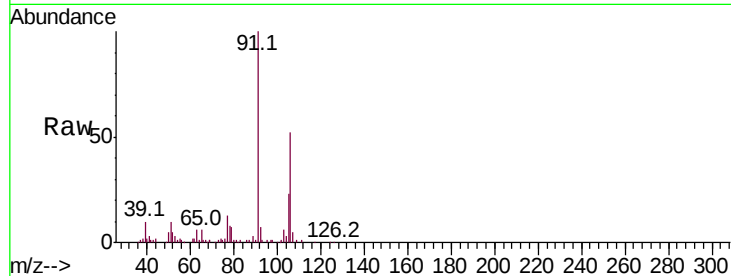
MW-2DL

Tot Ion:106 Resp: 10365

Ion Ratio Lower Upper

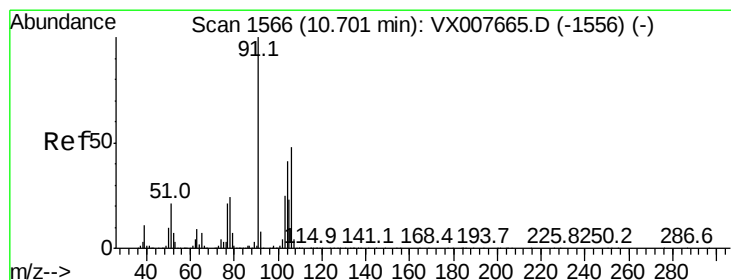
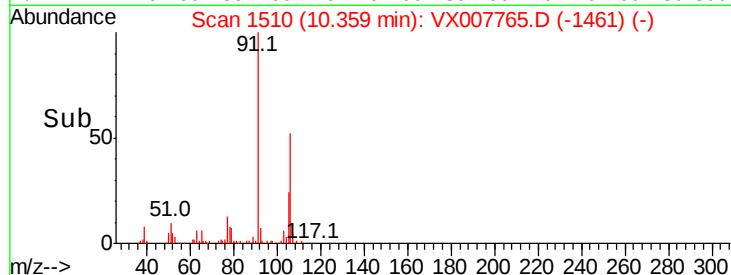
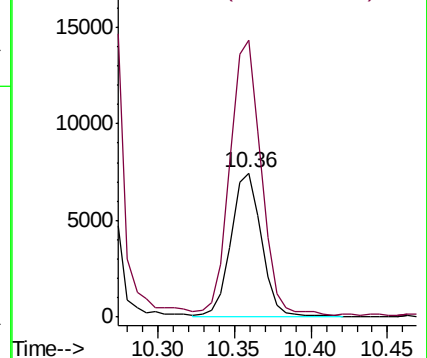
106 100

91 0.0 156.6 234.8#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.427 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX007765.D

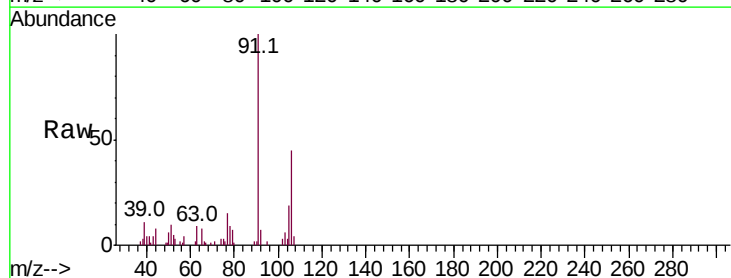
Acq: 28 Feb 2019 14:39

Tgt Ion:106 Resp: 2743

Ion Ratio Lower Upper

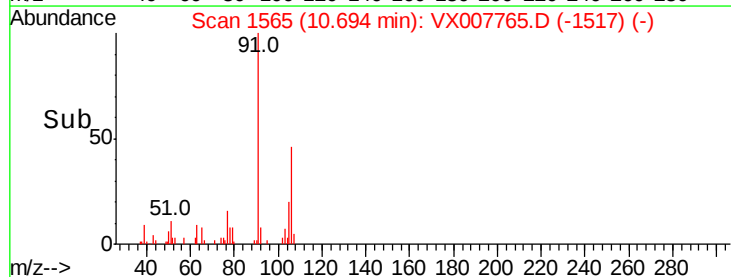
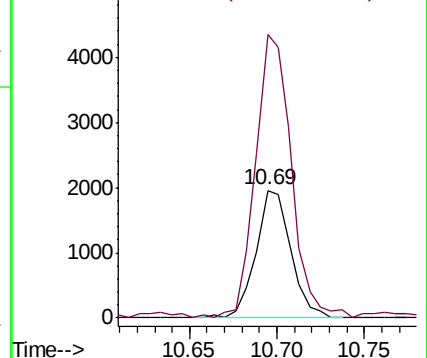
106 100

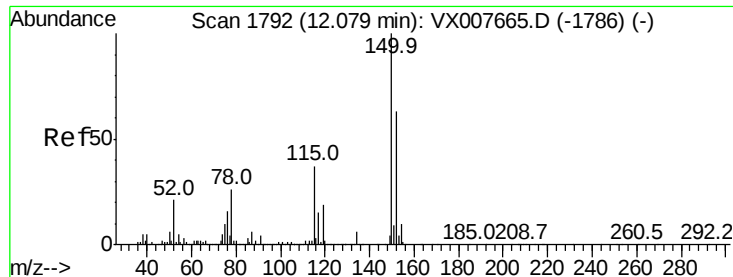
91 227.2 102.9 308.7



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: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

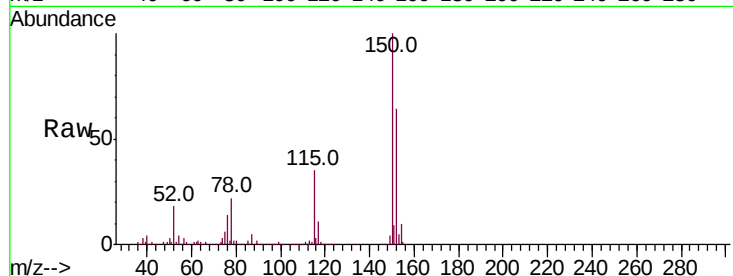
Tot Ion:152 Resp: 235338

Ion Ratio Lower Upper

152 100

115 55.2 38.0 114.0

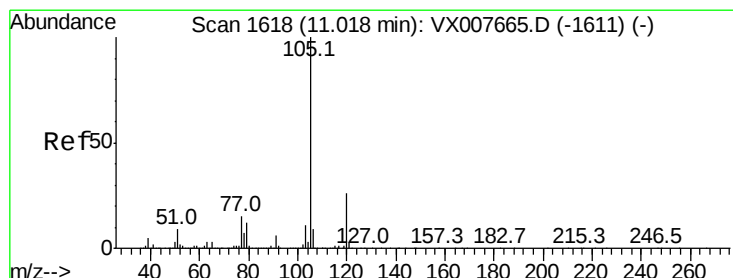
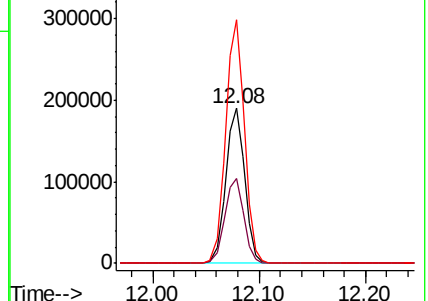
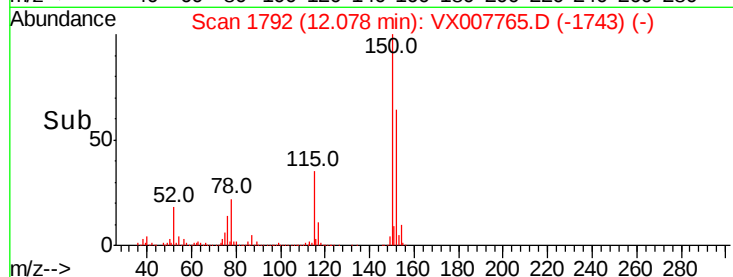
150 156.3 0.0 346.4



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: 3.701 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007765.D

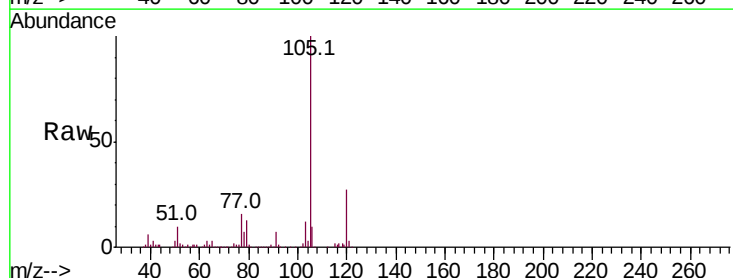
Acq: 28 Feb 2019 14:39

Tgt Ion:105 Resp: 62242

Ion Ratio Lower Upper

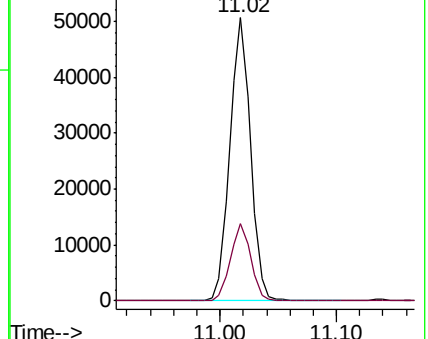
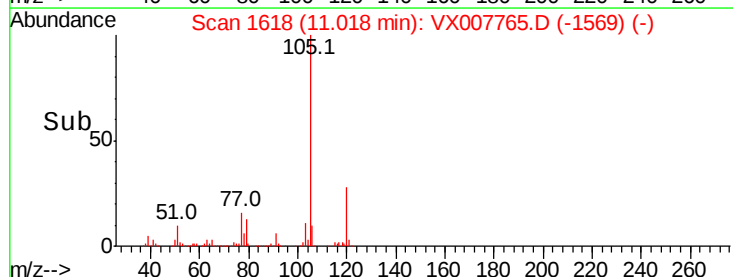
105 100

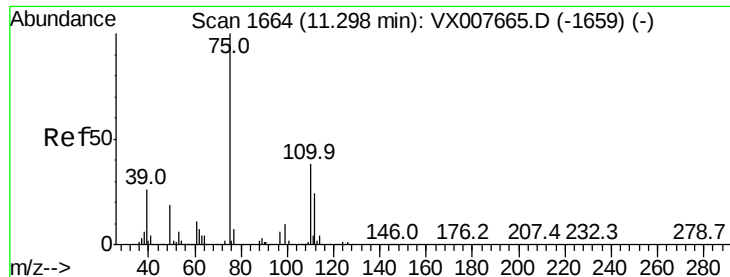
120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

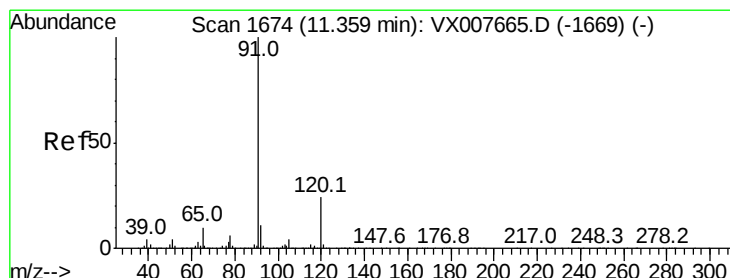
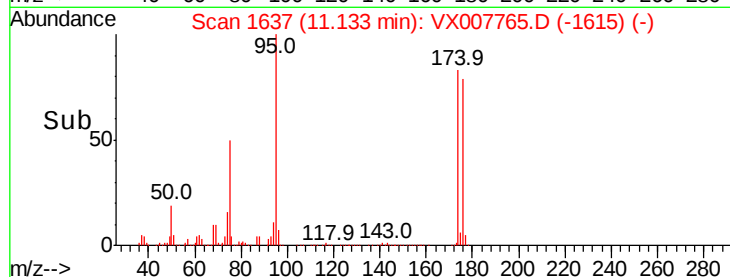
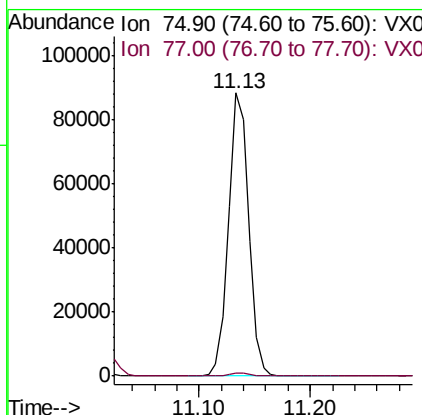
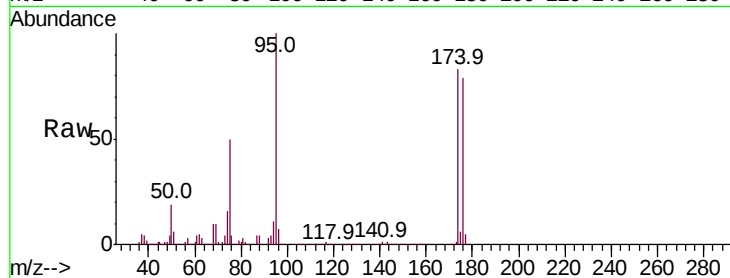




#76  
1,2,3-Trichloropropane  
Concen: 22.121 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.16 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

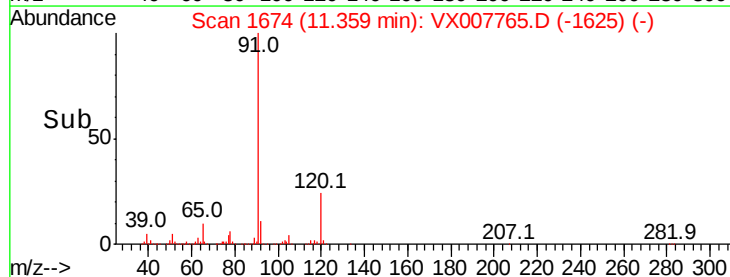
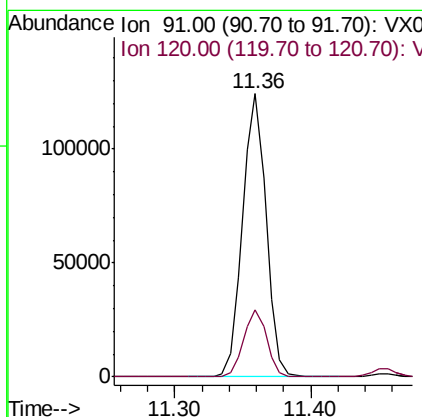
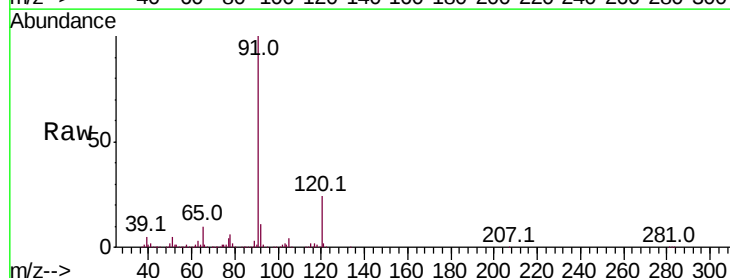
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

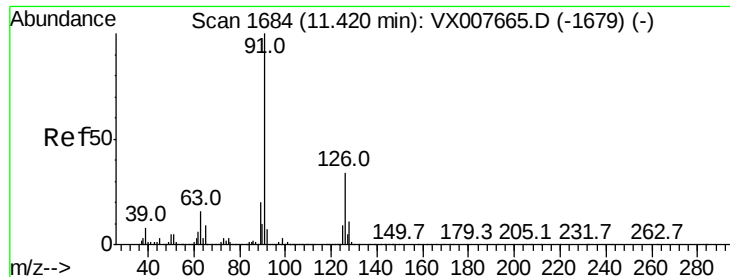
Tot Ion: 75 Resp: 110969  
Ion Ratio Lower Upper  
75 100  
77 1.3 23.0 69.0#



#78  
n-propylbenzene  
Concen: 7.930 ug/l  
RT: 11.36 min Scan# 1674  
Delta R.T. -0.00 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

Tgt Ion: 91 Resp: 150722  
Ion Ratio Lower Upper  
91 100  
120 23.5 12.4 37.2

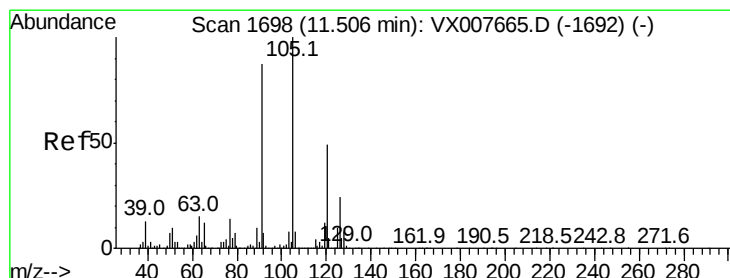
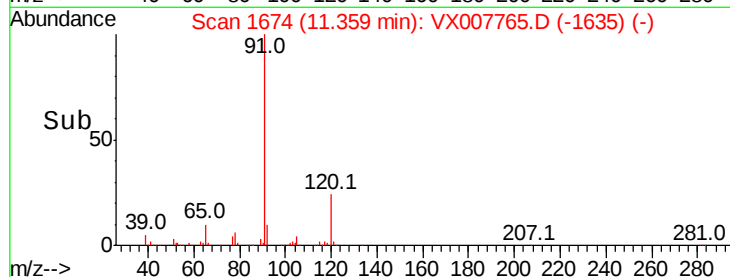
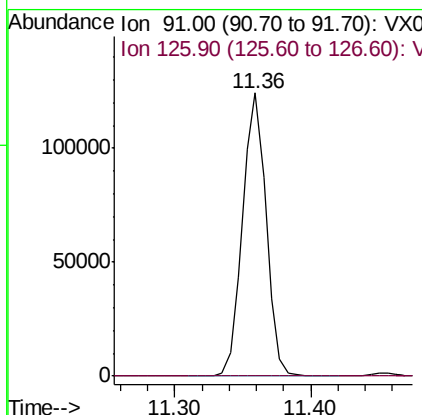
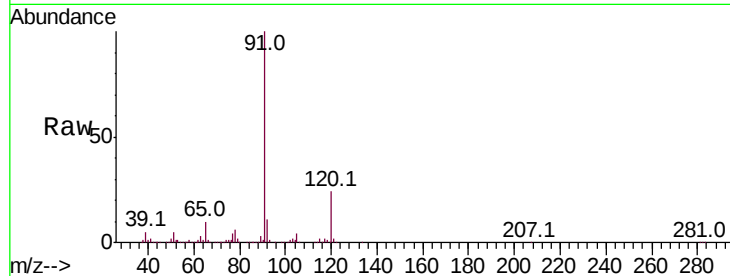




#79  
2-Chlorotoluene  
Concen: 13.170 ug/l  
RT: 11.36 min Scan# 1674  
Delta R.T. -0.06 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

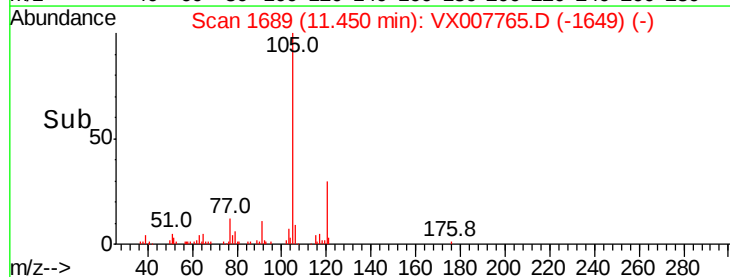
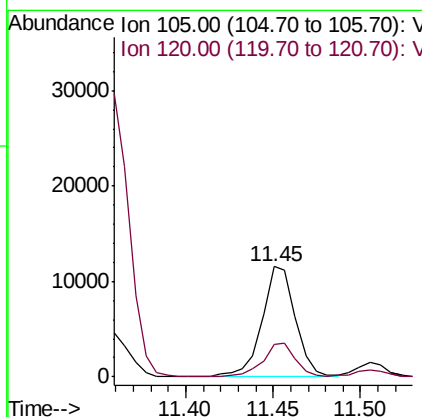
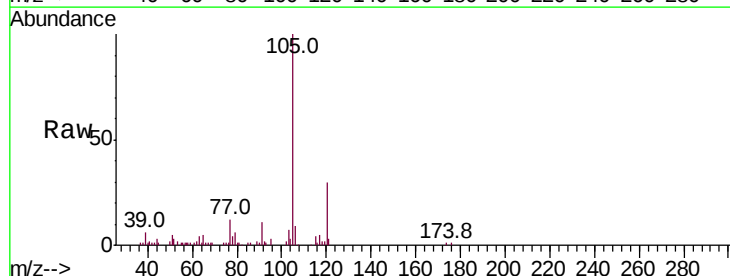
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

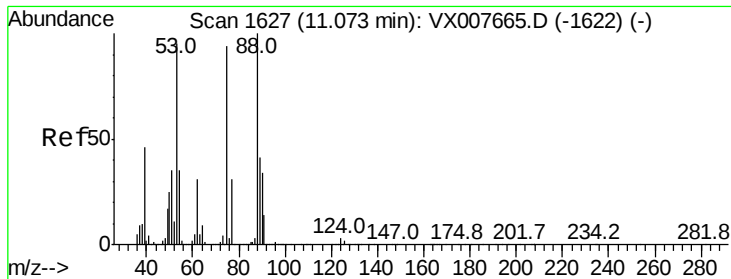
Tot Ion: 91 Resp: 150722  
Ion Ratio Lower Upper  
91 100  
126 0.0 18.7 56.1#



#80  
1,3,5-Trimethylbenzene  
Concen: 1.129 ug/l  
RT: 11.45 min Scan# 1689  
Delta R.T. -0.06 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

Tgt Ion: 105 Resp: 15624  
Ion Ratio Lower Upper  
105 100  
120 30.6 25.3 75.8

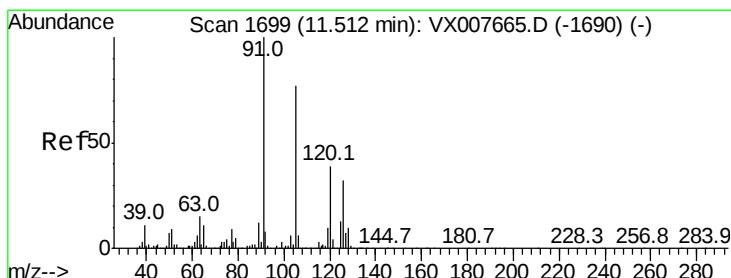
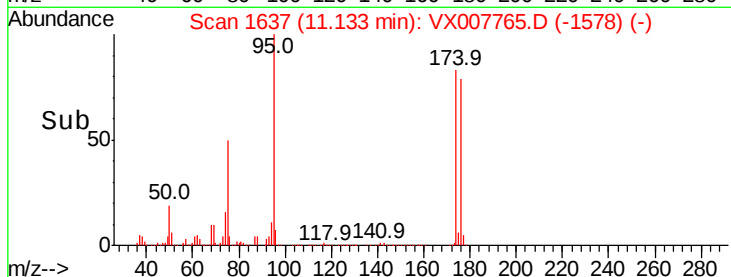
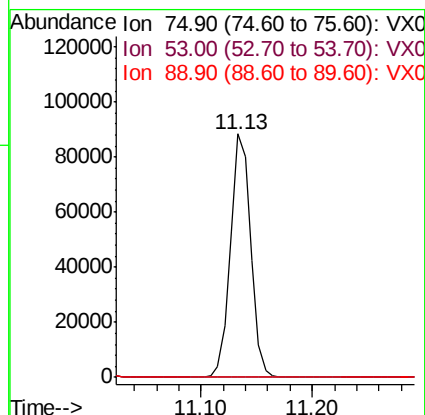
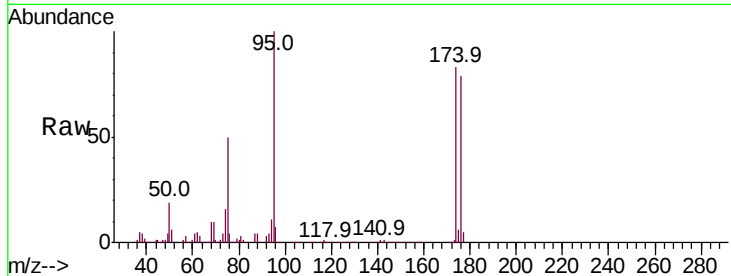




#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.721 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.06 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

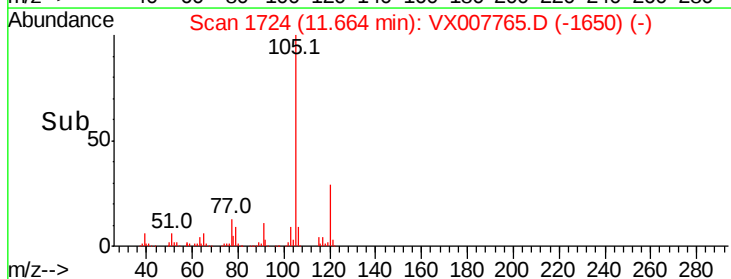
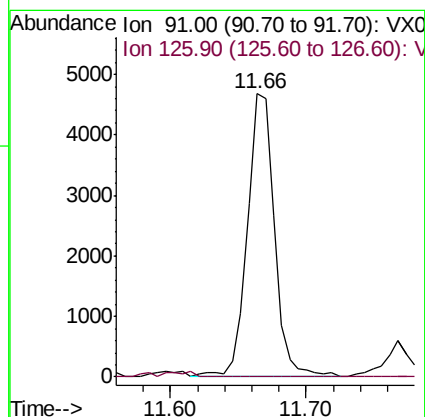
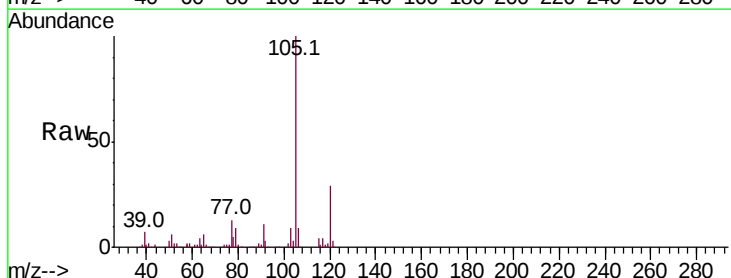
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

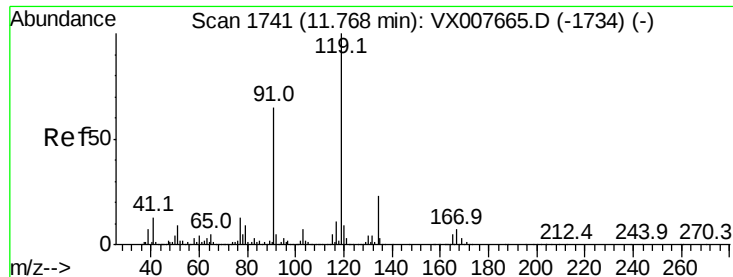
Tot Ion: 75 Resp: 110969  
Ion Ratio Lower Upper  
75 100  
53 0.2 81.0 121.6#  
89 0.0 41.4 62.0#



#82  
4-Chlorotoluene  
Concen: 0.491 ug/l  
RT: 11.66 min Scan# 1724  
Delta R.T. 0.15 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

Tgt Ion: 91 Resp: 6574  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.2 48.5#





#83

tert-Butylbenzene

Concen: 0.311 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.26 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampled :

MW-2DL

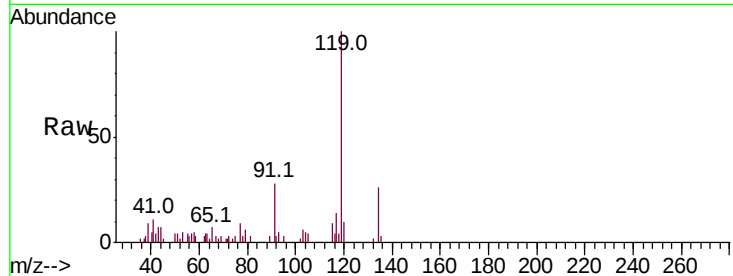
Tot Ion:119 Resp: 4137

Ion Ratio Lower Upper

119 100

91 29.0 28.5 85.6

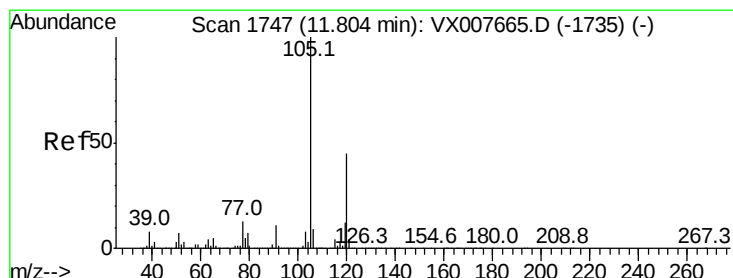
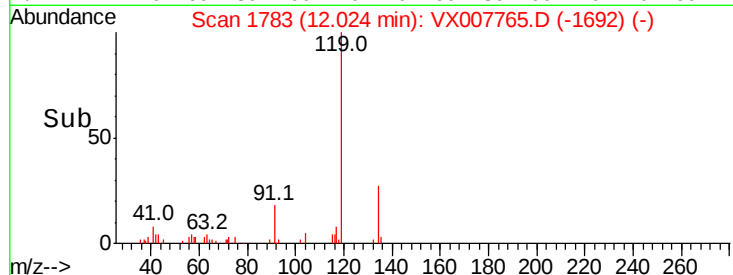
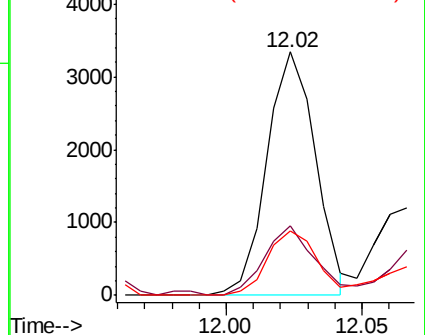
134 27.0 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.278 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007765.D

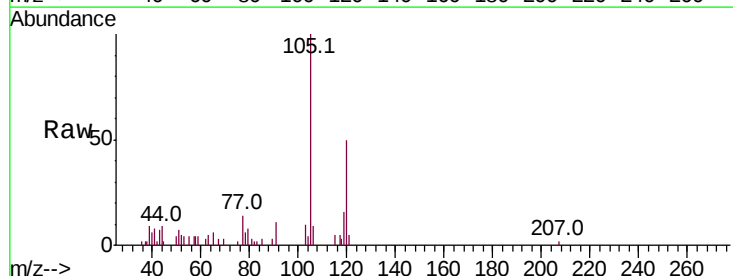
Acq: 28 Feb 2019 14:39

Tgt Ion:105 Resp: 3929

Ion Ratio Lower Upper

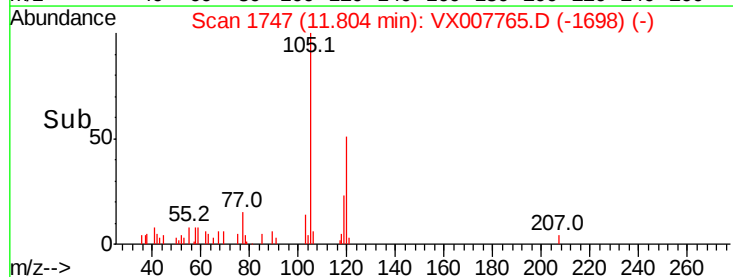
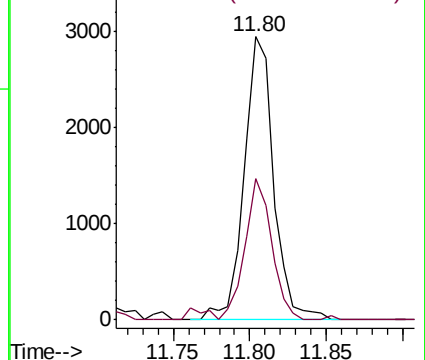
105 100

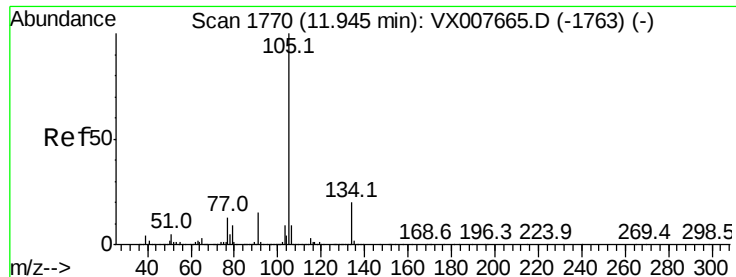
120 45.4 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.574 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampleId :

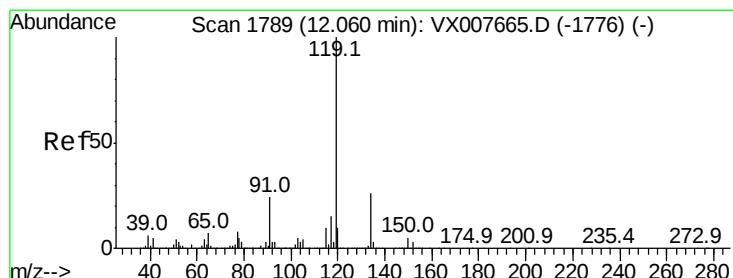
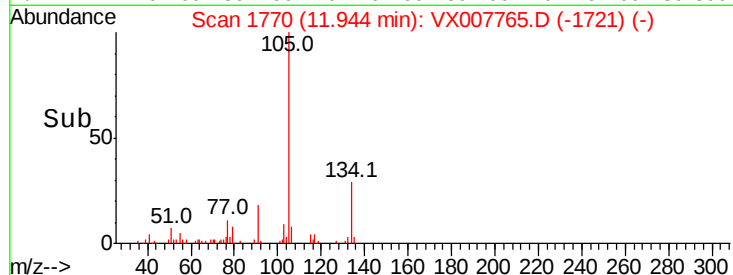
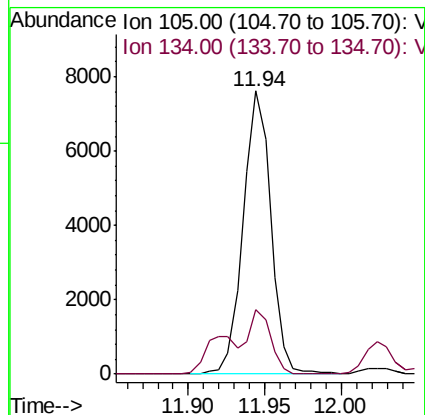
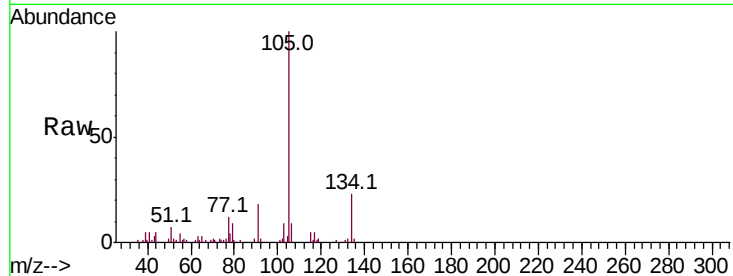
MW-2DL

Tot Ion:105 Resp: 9561

Ion Ratio Lower Upper

105 100

134 18.5 10.6 31.8



#86

p-Isopropyltoluene

Concen: 0.290 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.04 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

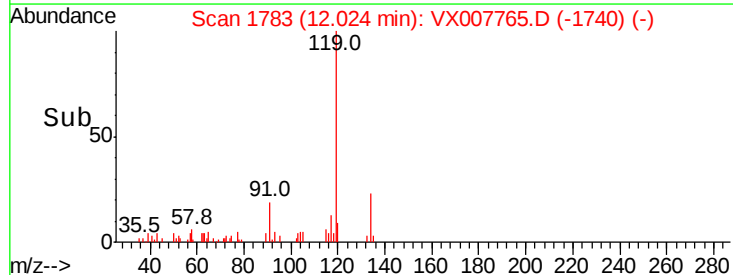
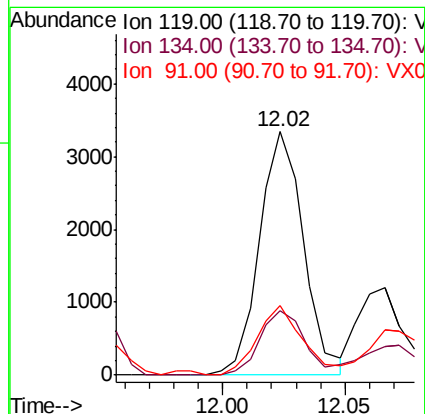
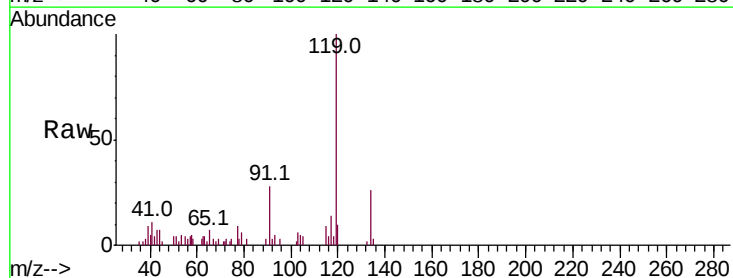
Tgt Ion:119 Resp: 4221

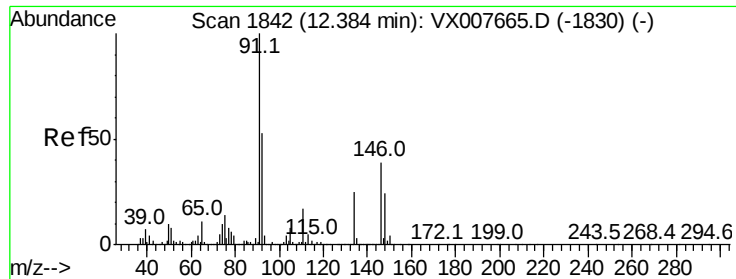
Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.1

91 0.0 11.2 33.5#

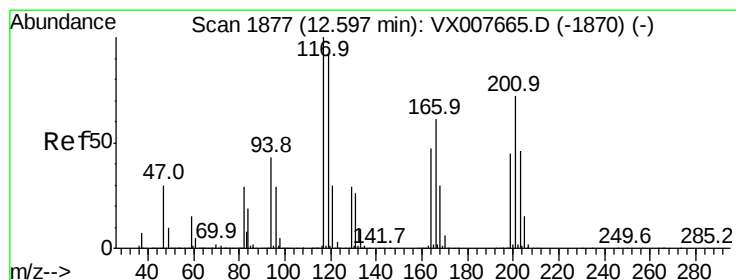
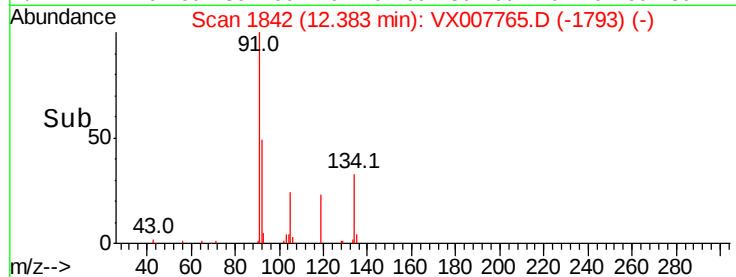
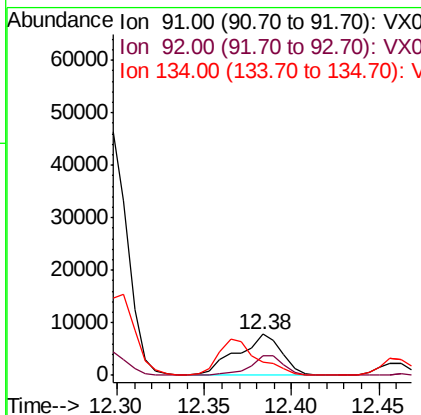
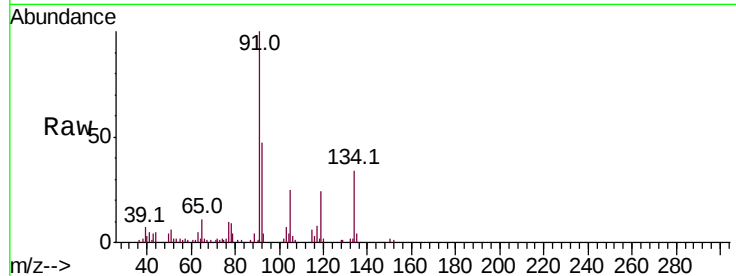




#89  
n-Butylbenzene  
Concen: 1.072 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. -0.00 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

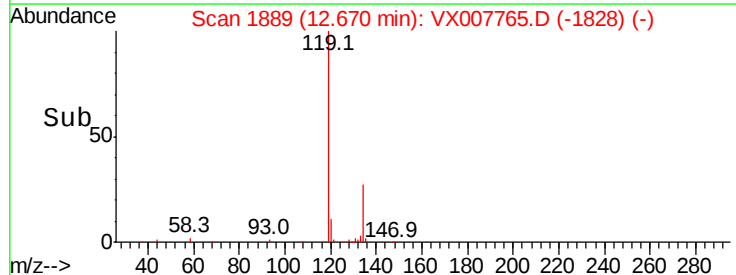
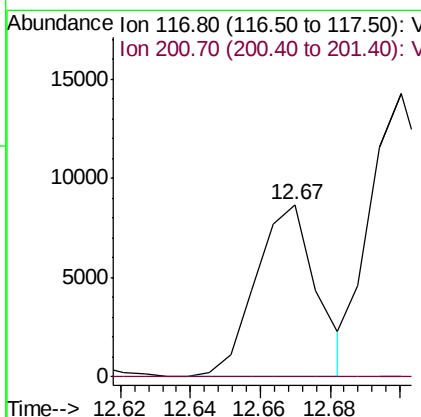
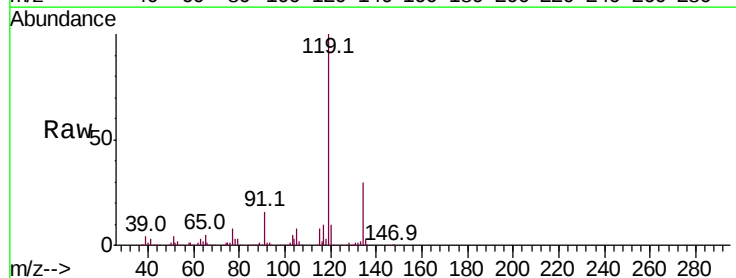
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2DL

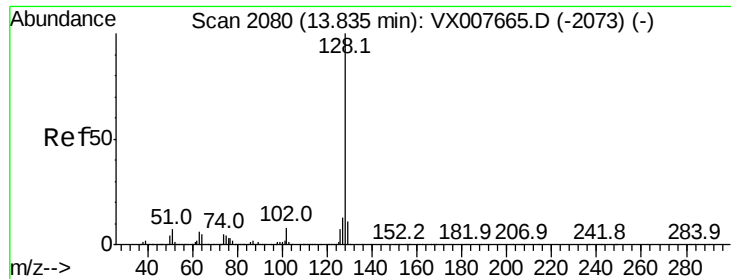
Tot Ion: 91 Resp: 13938  
Ion Ratio Lower Upper  
91 100  
92 37.5 26.3 78.9  
134 0.0 13.9 41.6#



#90  
Hexachloroethane  
Concen: 4.267 ug/l  
RT: 12.67 min Scan# 1889  
Delta R.T. 0.07 min  
Lab File: VX007765.D  
Acq: 28 Feb 2019 14:39

Tgt Ion: 117 Resp: 10482  
Ion Ratio Lower Upper  
117 100  
201 0.0 44.9 134.7#





#95

Naphthalene

Concen: 5.948 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007765.D

Acq: 28 Feb 2019 14:39

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

Tot Ion:128 Resp: 92105

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 11.7 8.7 13.1

