

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX122618\  
 Data File : VX006821.D  
 Acq On : 26 Dec 2018 16:29  
 Operator : JC/MD  
 Sample : J6549-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-11

Quant Time: Dec 27 03:05:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 19 15:20:58 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 729426   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 1062074  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 978605   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 507849   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 365039   | 46.43 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.86% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 321932   | 47.93 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.86% |      |
| 50) Toluene-d8              | 8.71   | 98  | 1258902  | 49.72 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.44% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 461406   | 49.75 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.50% |      |

| Target Compounds             | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane             | 1.31  | 50   | 6268     | 0.872     | ug/l # | 43     |
| 4) Vinyl Chloride            | 1.41  | 62   | 74730    | 9.953     | ug/l   | 92     |
| 5) Bromomethane              | 1.63  | 94   | 998      | Below Cal | #      | 31     |
| 11) Tert butyl alcohol       | 3.06  | 59   | 10556    | 6.017     | ug/l   | 98     |
| 13) Acrolein                 | 2.28  | 56   | 580      | 0.490     | ug/l # | 1      |
| 16) Acetone                  | 2.45  | 43   | 12309    | 3.408     | ug/l   | 99     |
| 17) Carbon Disulfide         | 2.58  | 76   | 8127     | 0.471     | ug/l # | 89     |
| 18) Methyl Acetate           | 2.78  | 43   | 7612     | 0.717     | ug/l # | 87     |
| 20) Methylene Chloride       | 2.87  | 84   | 3225     | 0.432     | ug/l # | 67     |
| 21) trans-1,2-Dichloroethene | 3.17  | 96   | 22465    | 3.111     | ug/l   | 99     |
| 25) 2-Butanone               | 4.71  | 43   | 5119     | 1.008     | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene   | 4.60  | 96   | 2307180  | 289.588   | ug/l   | 92     |
| 28) Bromochloromethane       | 5.01  | 49   | 60       | Below Cal | #      | 1      |
| 31) Cyclohexane              | 5.59  | 56   | 9398     | 0.863     | ug/l # | 93     |
| 36) 1,1-Dichloropropene      | 5.66  | 75   | 44608    | 5.071     | ug/l # | 49     |
| 38) Carbon Tetrachloride     | 5.66  | 117  | 64068    | 7.494     | ug/l # | 14     |
| 39) Methylcyclohexane        | 7.46  | 83   | 11230    | 0.970     | ug/l   | 98     |
| 40) Benzene                  | 6.14  | 78   | 53433    | 1.998     | ug/l   | 97     |
| 44) Trichloroethene          | 7.22  | 130  | 5109     | 0.631     | ug/l   | 83     |
| 48) Methyl methacrylate      | 7.73  | 41   | 2390     | 0.337     | ug/l # | 85     |
| 49) 1,4-Dioxane              | 7.74  | 88   | 128      | Below Cal | #      | 1      |
| 51) 4-Methyl-2-Pentanone     | 8.65  | 43   | 3057     | 0.345     | ug/l # | 76     |
| 52) Toluene                  | 8.78  | 92   | 1167530  | 67.589    | ug/l   | 98     |
| 59) 2-Hexanone               | 9.51  | 43   | 3836     | 0.566     | ug/l   | 81     |
| 60) Dibromochloromethane     | 9.71  | 129  | 221      | 2.353     | ug/l # | 26     |
| 64) Tetrachloroethene        | 9.34  | 164  | 4124     | 0.532     | ug/l # | 87     |
| 67) Ethyl Benzene            | 10.25 | 91   | 468112   | 13.837    | ug/l   | 98     |
| 68) m/p-Xylenes              | 10.36 | 106  | 1181689  | 88.520    | ug/l   | 99     |
| 69) o-Xylene                 | 10.69 | 106  | 622441   | 47.218    | ug/l   | 96     |
| 70) Styrene                  | 10.69 | 104  | 29363    | 1.408     | ug/l # | 1      |
| 71) Bromoform                | 11.07 | 173  | 110      | 4.477     | ug/l # | 28     |
| 73) Isopropylbenzene         | 11.02 | 105  | 42720    | 1.230     | ug/l   | 98     |
| 74) N-amyl acetate           | 10.91 | 43   | 5486     | 0.441     | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane   | 11.43 | 75   | 10194    | 1.080     | ug/l # | 1      |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-11

Quant Time: Dec 27 03:05:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 19 15:20:58 2018  
 Response via : Initial Calibration

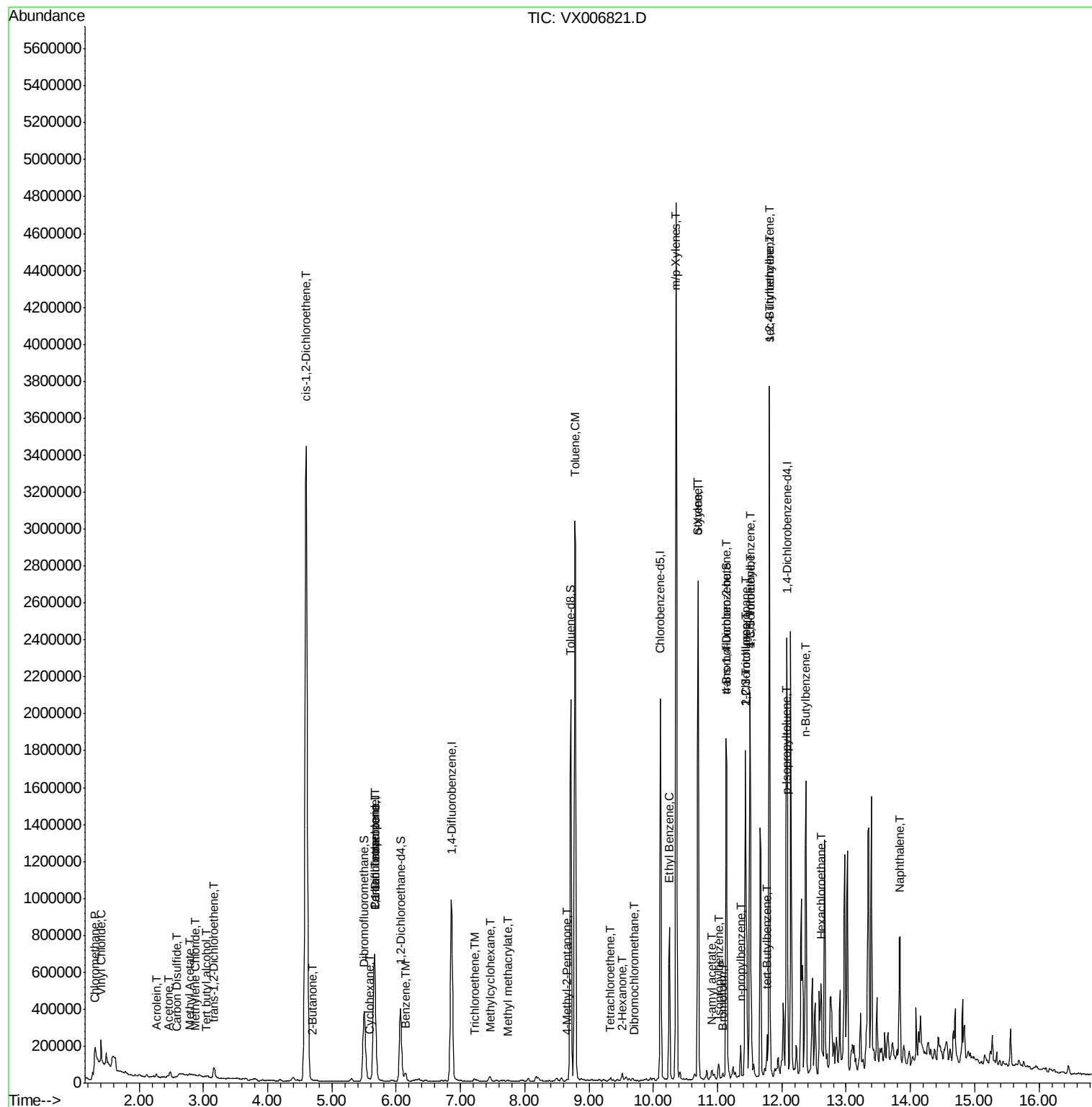
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 78) n-propylbenzene            | 11.36 | 91   | 103473   | 2.705  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 166049   | 7.162  | ug/l # | 46       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 868392   | 30.346 | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 217084   | 68.306 | ug/l # | 10       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 91922    | 3.456  | ug/l # | 44       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 47423    | 1.656  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 1588290  | 52.767 | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.80 | 105  | 1588290  | 45.231 | ug/l # | 55       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 86642    | 2.807  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.37 | 91   | 130618   | 4.972  | ug/l # | 1        |
| 90) Hexachloroethane           | 12.61 | 117  | 16663    | 6.515  | ug/l # | 6        |
| 95) Naphthalene                | 13.83 | 128  | 442821   | 11.878 | ug/l   | 98       |

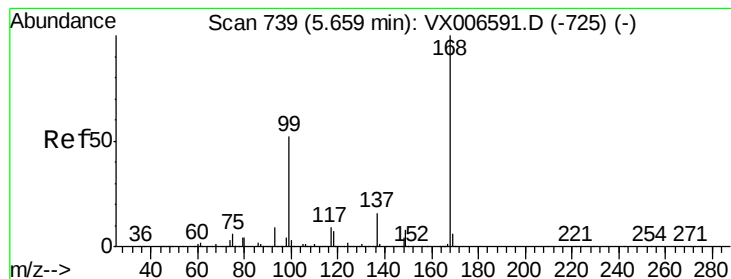
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampleId :

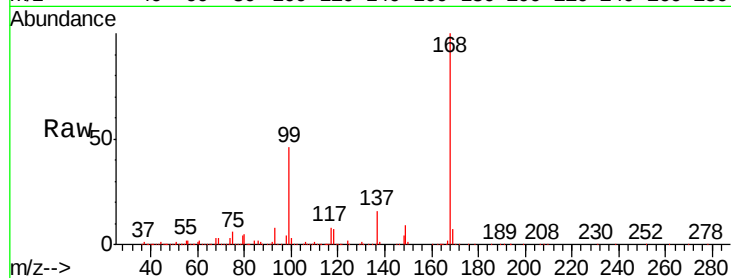
MW-11

Tgt Ion:168 Resp: 729426

Ion Ratio Lower Upper

168 100

99 46.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

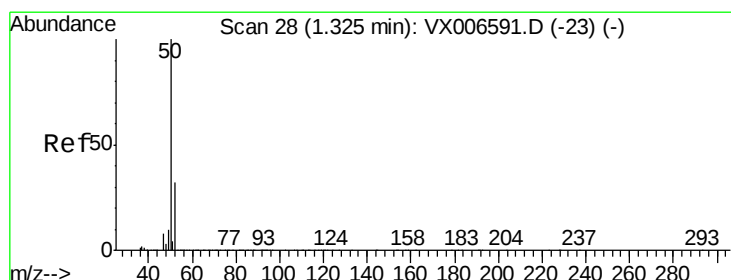
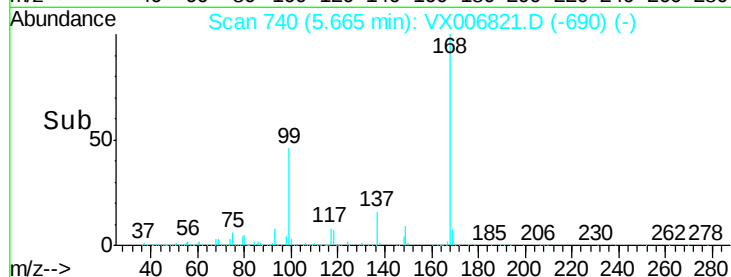
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.872 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.01 min

Lab File: VX006821.D

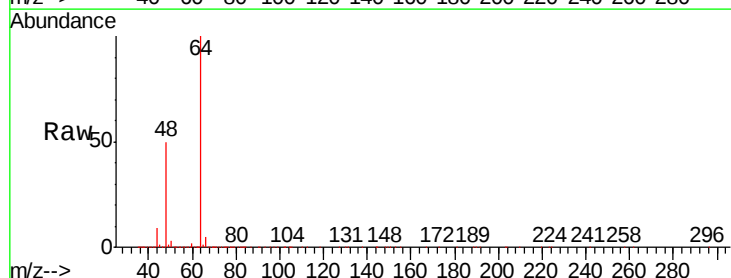
Acq: 26 Dec 2018 16:29

Tgt Ion: 50 Resp: 6268

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

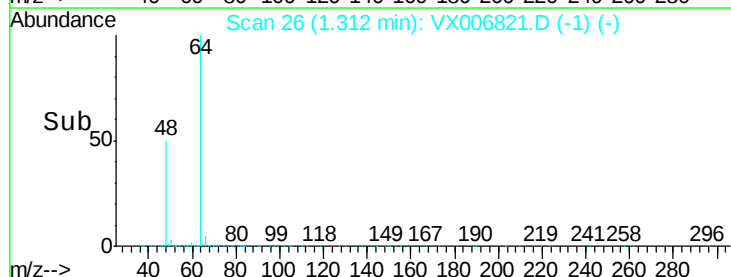
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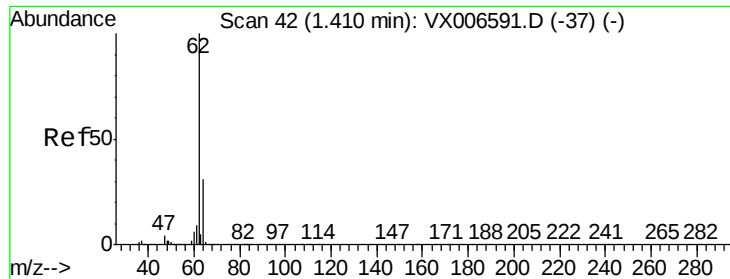
2000

1000

0

Time-->





#4

Vinyl Chloride

Concen: 9.953 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampleId :

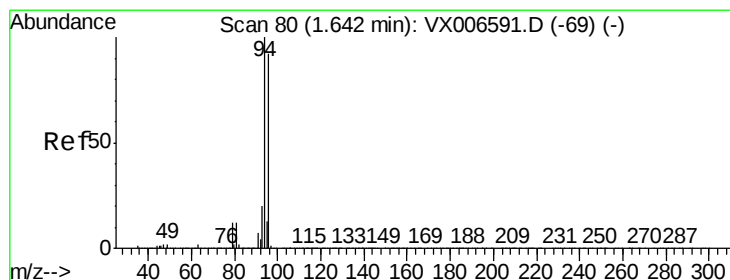
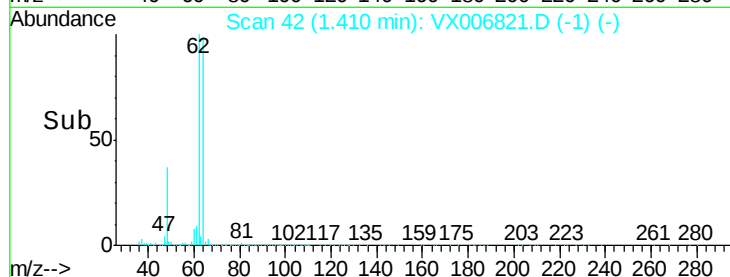
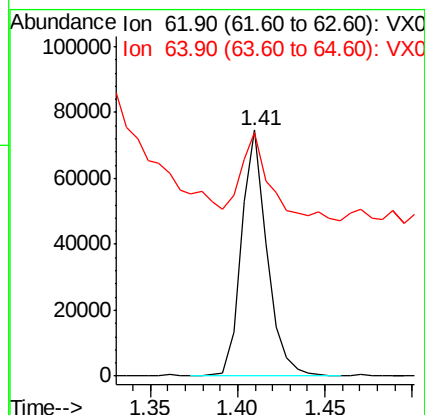
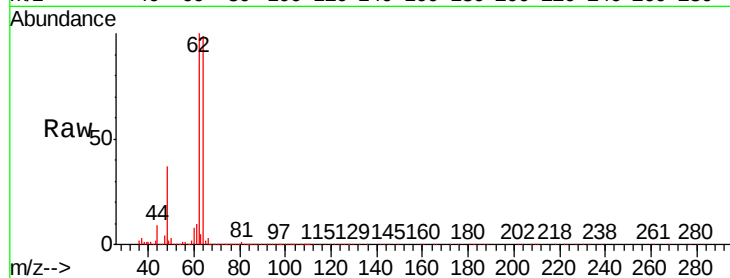
MW-11

Tgt Ion: 62 Resp: 74730

Ion Ratio Lower Upper

62 100

64 36.0 25.1 37.7



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX006821.D

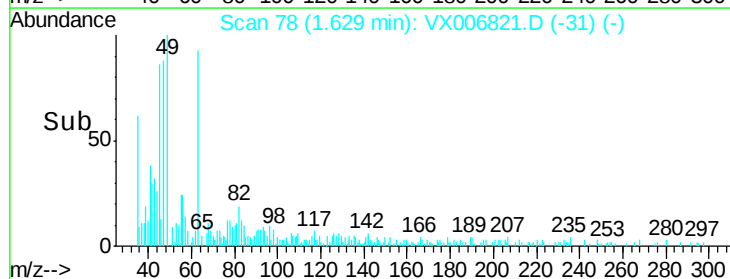
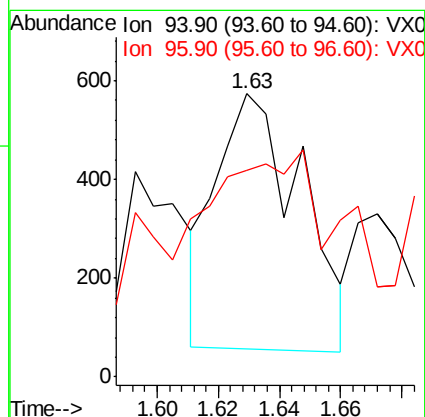
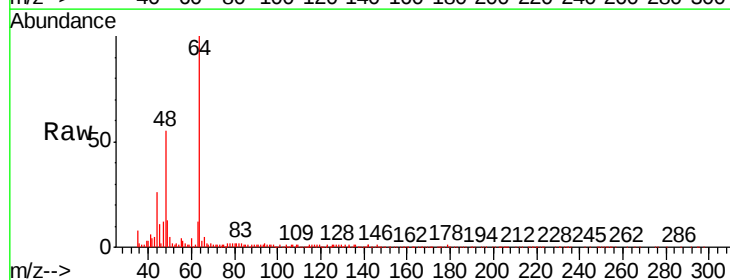
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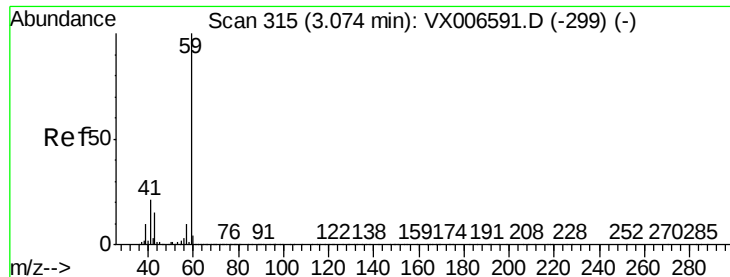
Tgt Ion: 94 Resp: 998

Ion Ratio Lower Upper

94 100

96 26.2 73.4 110.2#



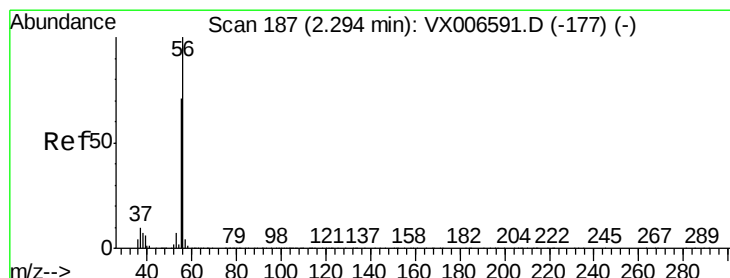
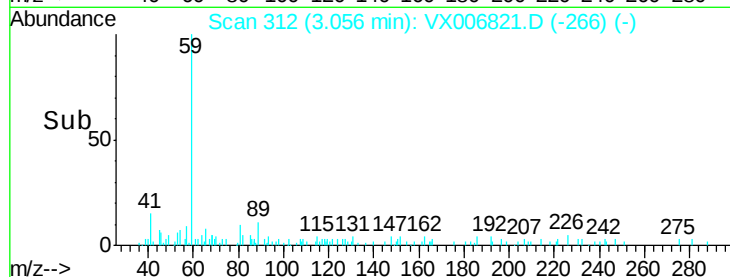
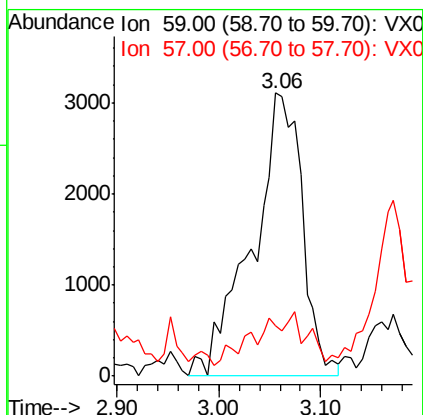
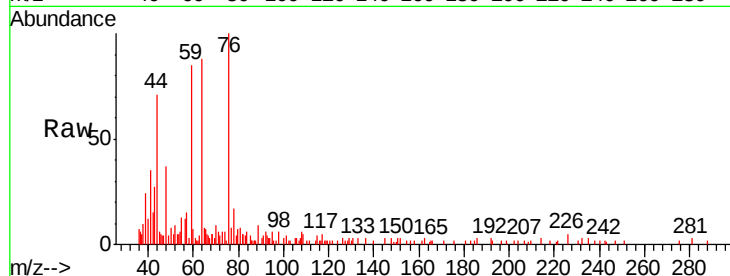


#11

Tert butyl alcohol  
Concen: 6.017 ug/l  
RT: 3.06 min Scan# 312  
Delta R.T. -0.02 min  
Lab File: VX006821.D  
Acq: 26 Dec 2018 16:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11

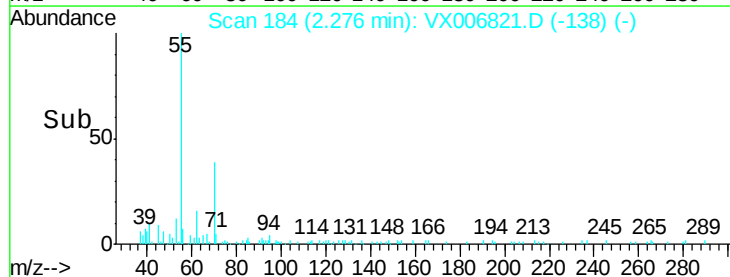
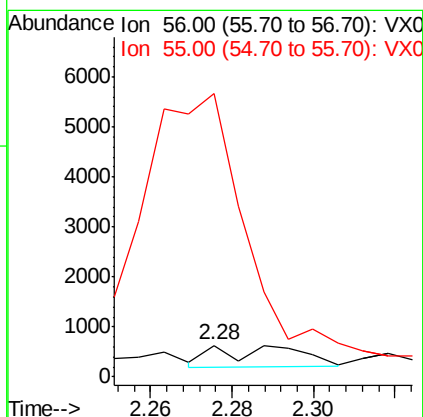
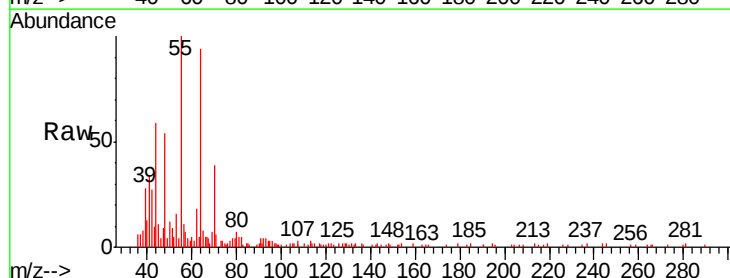
Tgt Ion: 59 Resp: 10556  
Ion Ratio Lower Upper  
59 100  
57 11.3 8.5 12.7

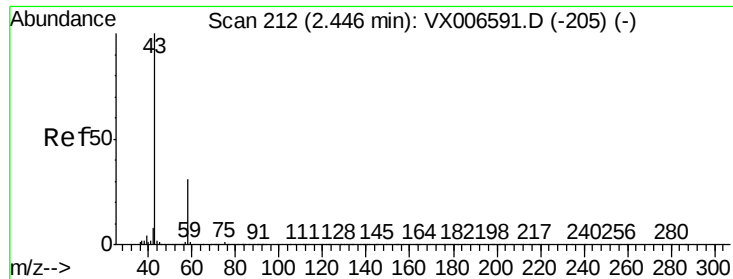


#13

Acrolein  
Concen: 0.490 ug/l  
RT: 2.28 min Scan# 184  
Delta R.T. -0.02 min  
Lab File: VX006821.D  
Acq: 26 Dec 2018 16:29

Tgt Ion: 56 Resp: 580  
Ion Ratio Lower Upper  
56 100  
55 1576.9 58.2 87.4#





#16

Acetone

Concen: 3.408 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampled :

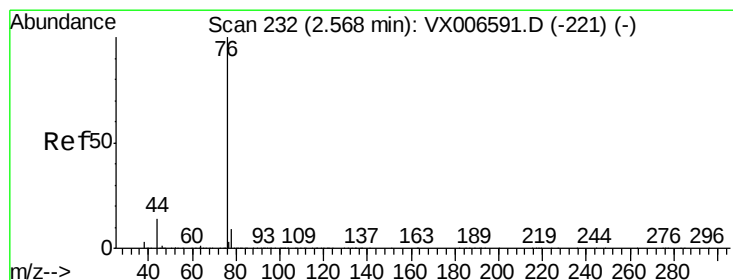
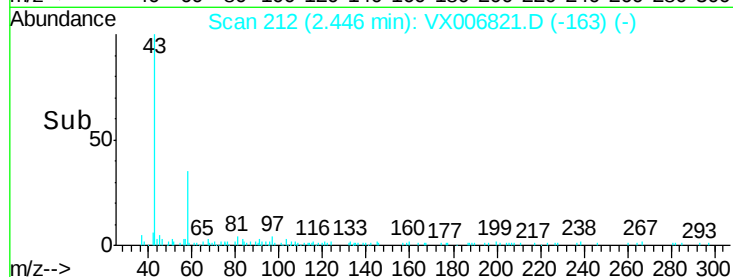
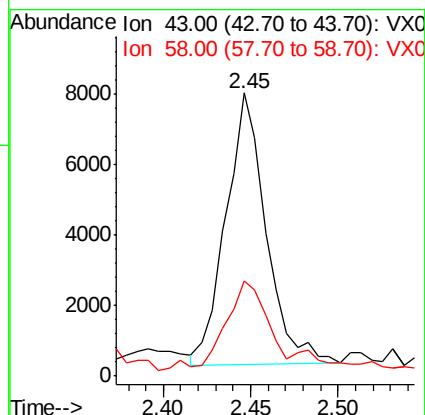
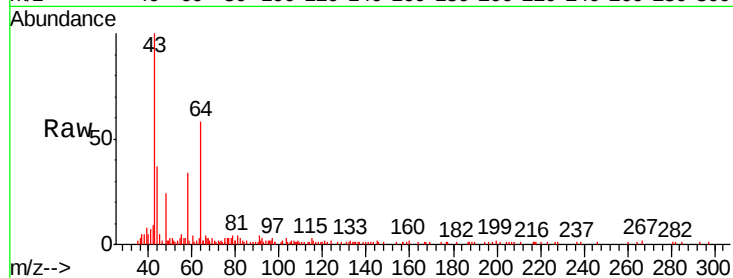
MW-11

Tgt Ion: 43 Resp: 12309

Ion Ratio Lower Upper

43 100

58 32.1 25.0 37.6



#17

Carbon Disulfide

Concen: 0.471 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX006821.D

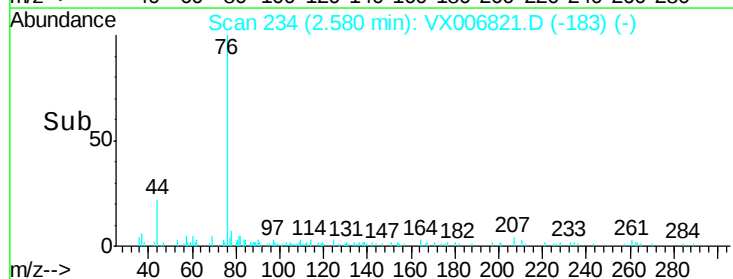
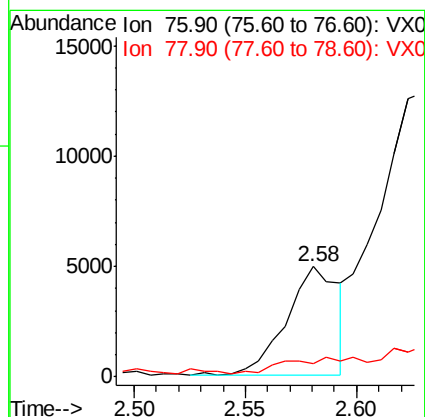
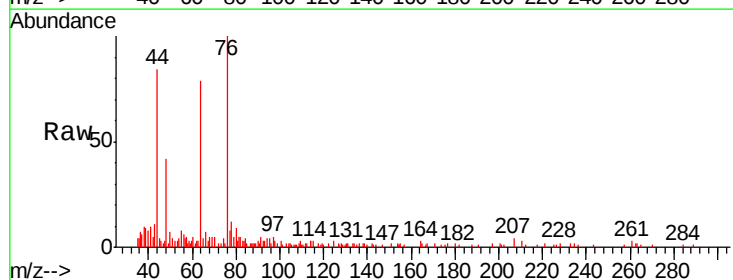
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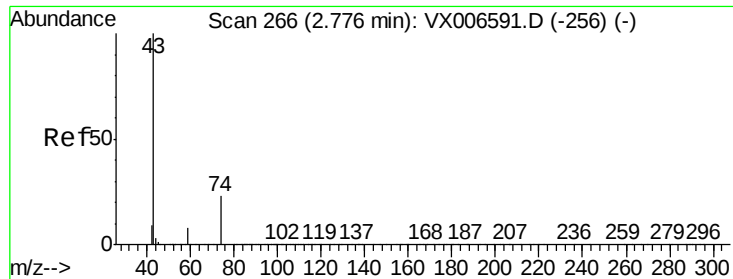
Tgt Ion: 76 Resp: 8127

Ion Ratio Lower Upper

76 100

78 4.7 7.0 10.6#

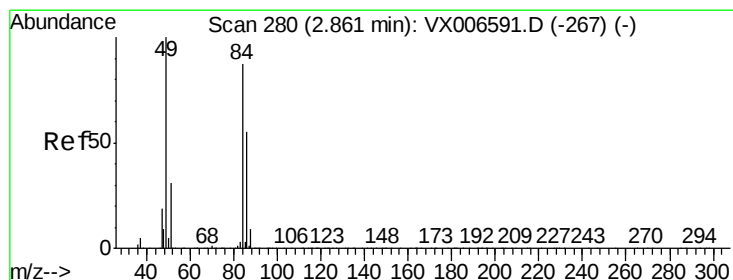
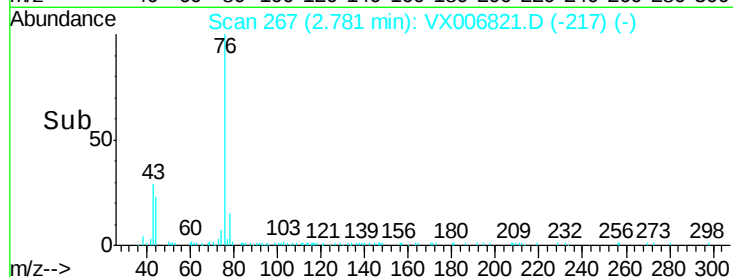
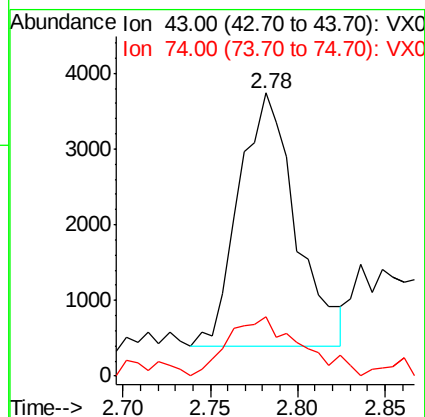
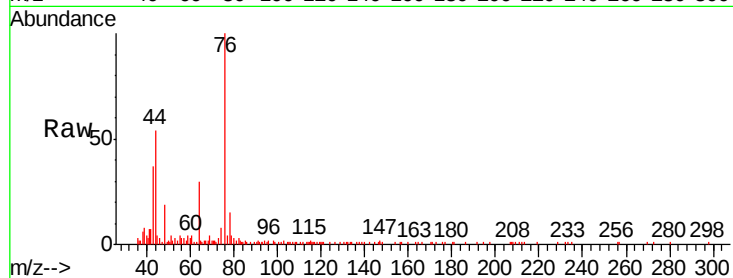




#18  
Methyl Acetate  
Concen: 0.717 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. 0.01 min  
Lab File: VX006821.D  
Acq: 26 Dec 2018 16:29

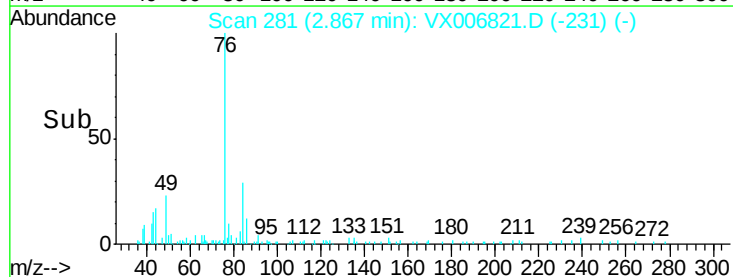
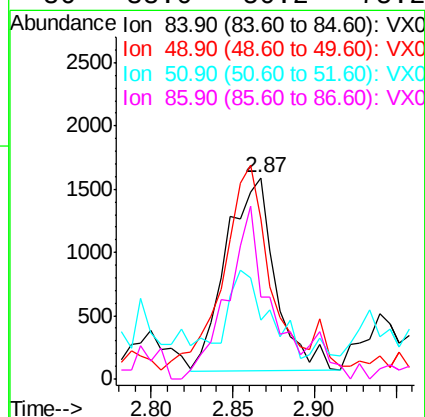
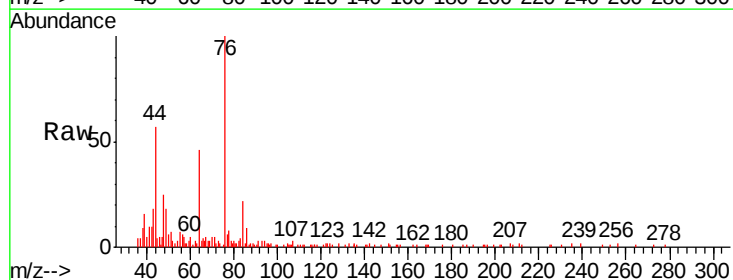
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11

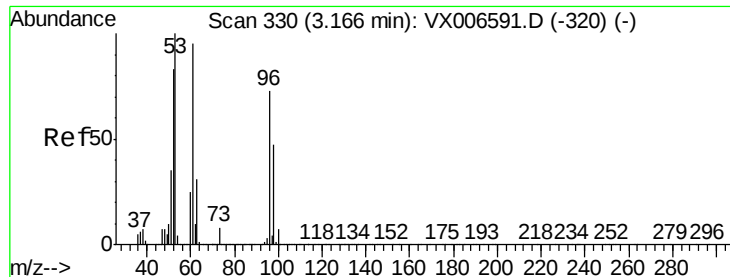
Tgt Ion: 43 Resp: 7612  
Ion Ratio Lower Upper  
43 100  
74 29.8 18.6 28.0#



#20  
Methylene Chloride  
Concen: 0.432 ug/l  
RT: 2.87 min Scan# 281  
Delta R.T. 0.01 min  
Lab File: VX006821.D  
Acq: 26 Dec 2018 16:29

Tgt Ion: 84 Resp: 3225  
Ion Ratio Lower Upper  
84 100  
49 76.3 91.8 137.6#  
51 18.5 28.5 42.7#  
86 38.0 50.2 75.2#





#21

trans-1,2-Dichloroethene

Concen: 3.111 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampleId :

MW-11

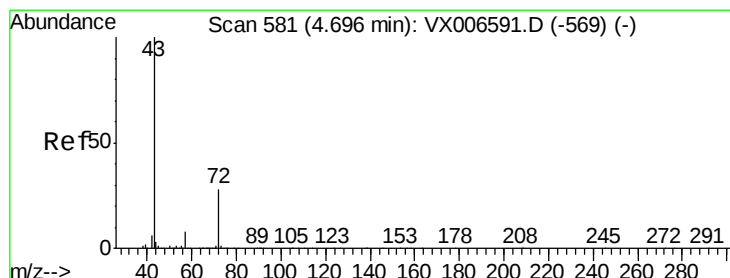
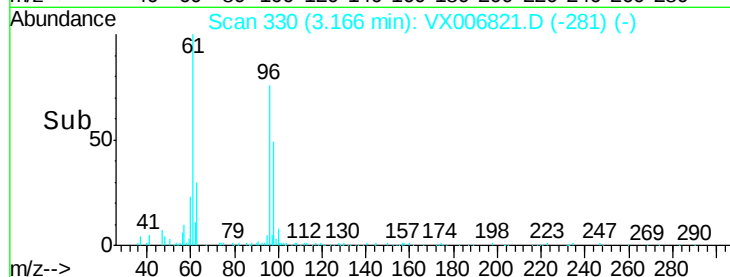
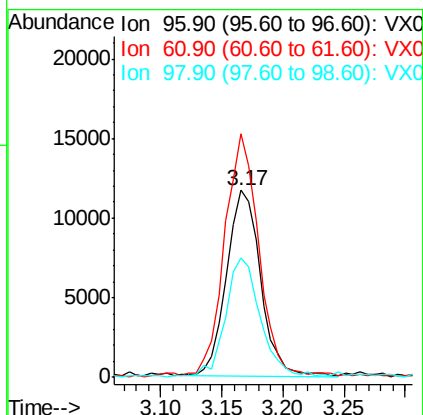
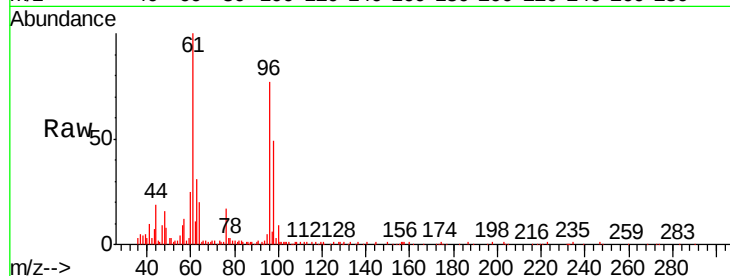
Tgt Ion: 96 Resp: 22465

Ion Ratio Lower Upper

96 100

61 130.4 103.7 155.5

98 64.0 51.0 76.6



#25

2-Butanone

Concen: 1.008 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX006821.D

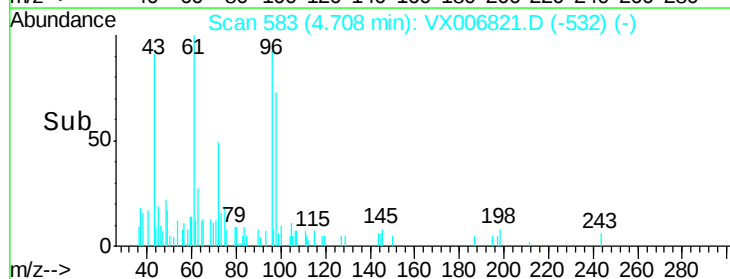
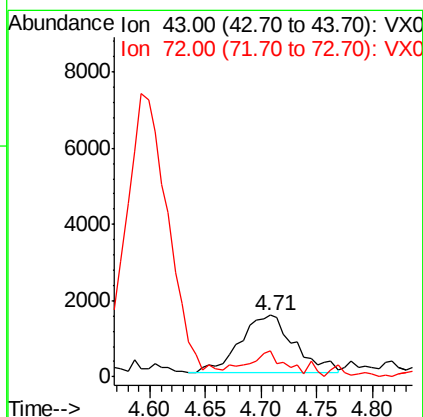
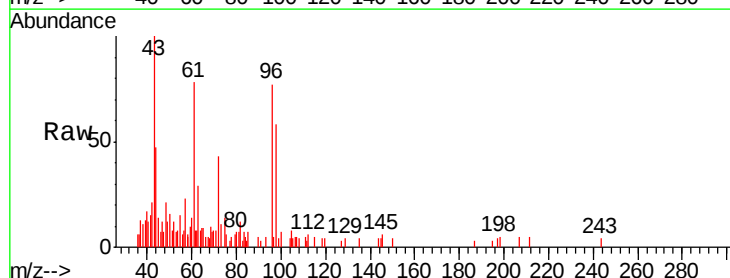
Acq: 26 Dec 2018 16:29

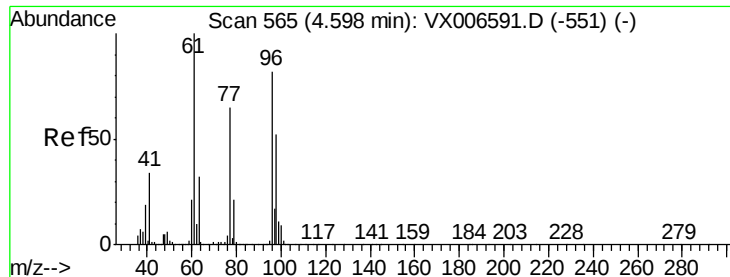
Tgt Ion: 43 Resp: 5119

Ion Ratio Lower Upper

43 100

72 25.7 22.4 33.6



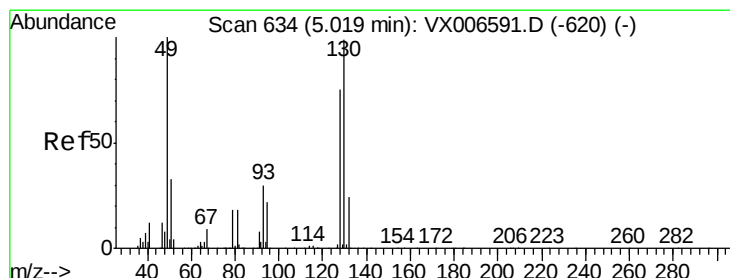
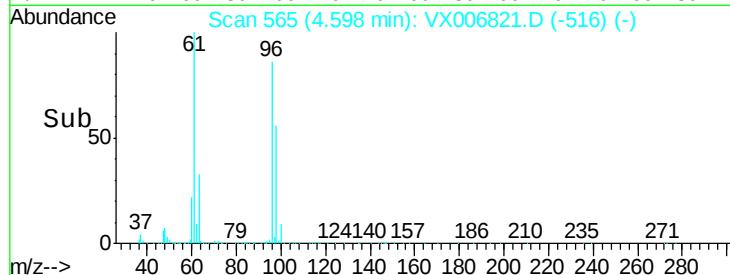
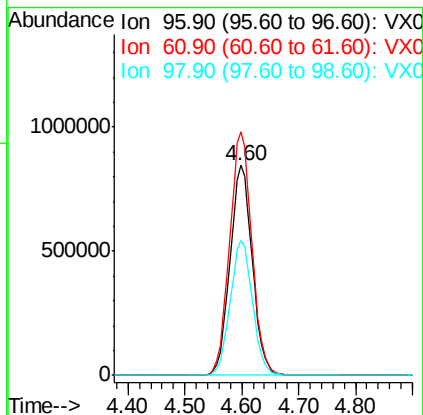
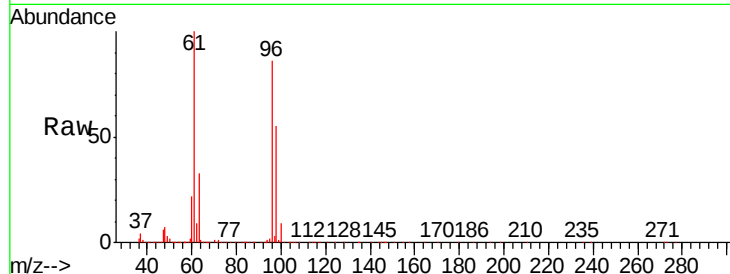


#27

cis-1,2-Dichloroethene  
 Concen: 289.588 ug/l  
 RT: 4.60 min Scan# 565  
 Delta R.T. -0.00 min  
 Lab File: VX006821.D  
 Acq: 26 Dec 2018 16:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-11

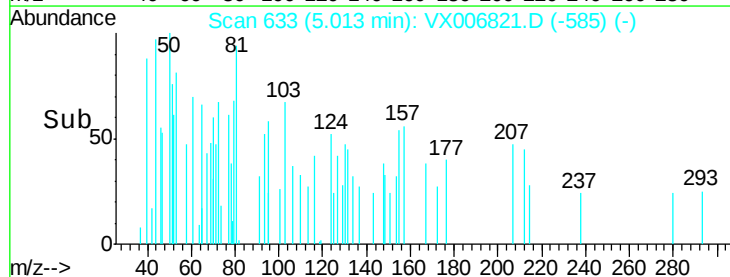
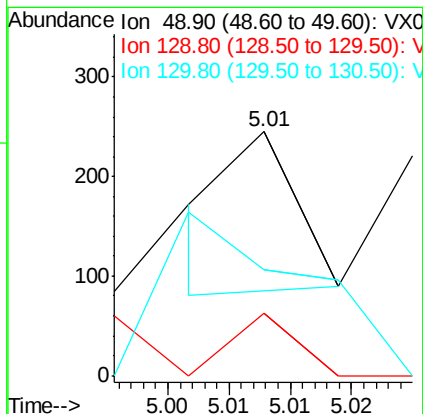
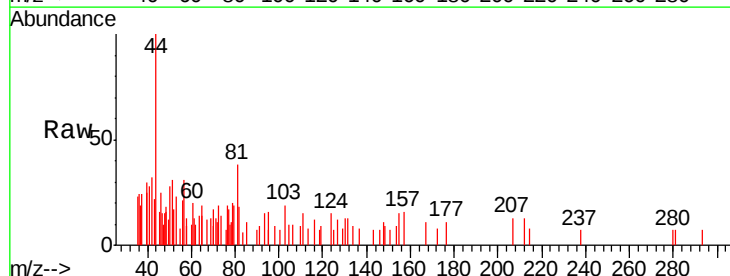
Tgt Ion: 96 Resp: 2307180  
 Ion Ratio Lower Upper  
 96 100  
 61 116.1 0.0 258.6  
 98 64.5 0.0 132.0

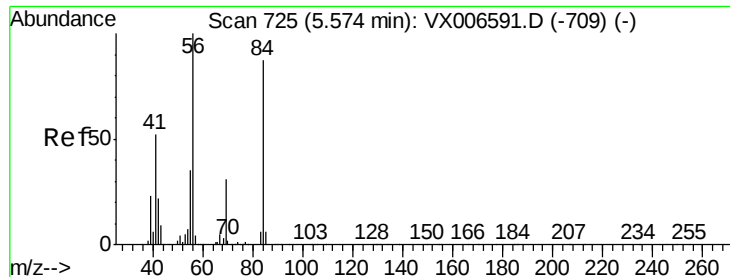


#28

Bromochloromethane  
 Concen: Below Cal  
 RT: 5.01 min Scan# 633  
 Delta R.T. -0.01 min  
 Lab File: VX006821.D  
 Acq: 26 Dec 2018 16:29

Tgt Ion: 49 Resp: 60  
 Ion Ratio Lower Upper  
 49 100  
 129 75.0 0.0 5.4#  
 130 223.3 77.7 116.5#

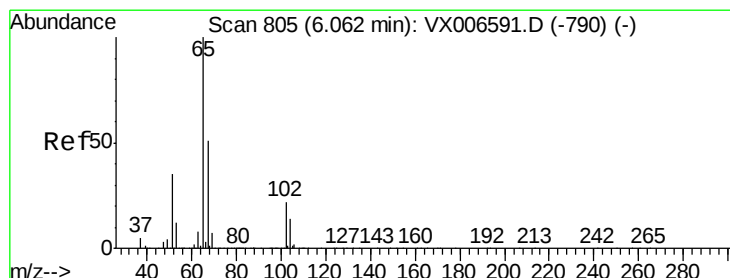
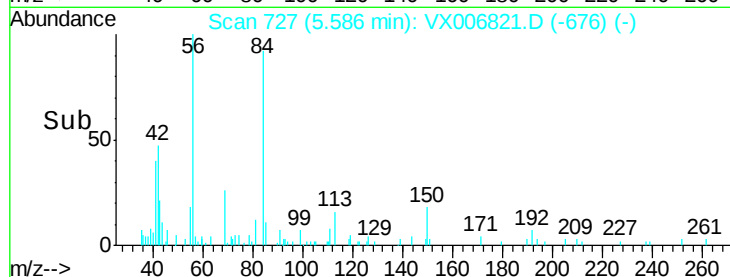
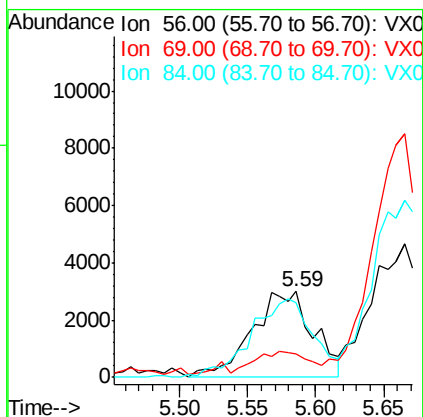
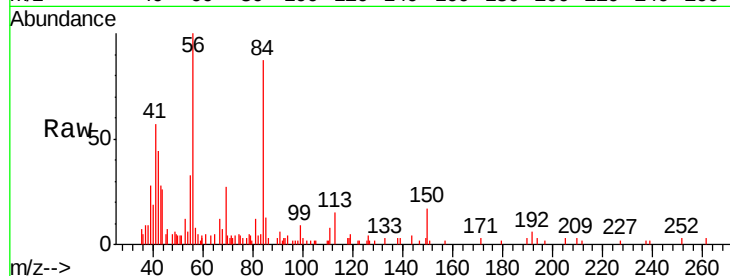




#31  
Cyclohexane  
Concen: 0.863 ug/l  
RT: 5.59 min Scan# 727  
Delta R.T. 0.01 min  
Lab File: VX006821.D  
Acq: 26 Dec 2018 16:29

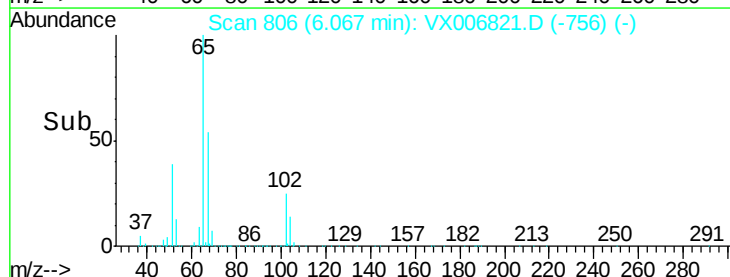
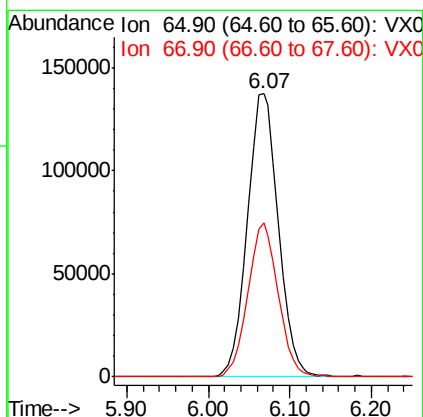
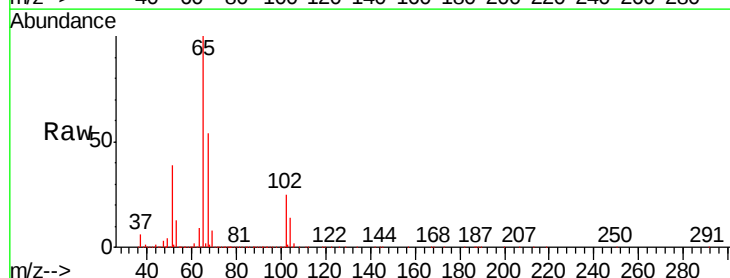
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-11

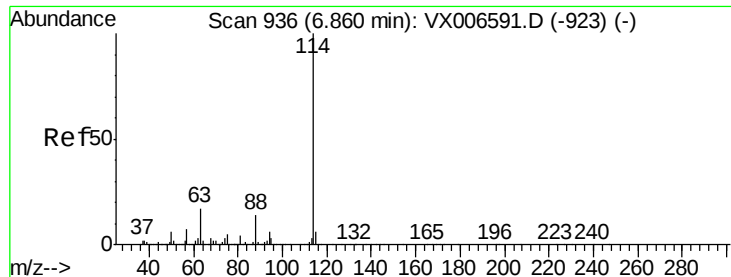
Tgt Ion: 56 Resp: 9398  
Ion Ratio Lower Upper  
56 100  
69 22.7 24.4 36.6#  
84 83.7 70.0 105.0



#33  
1,2-Dichloroethane-d4  
Concen: 46.434 ug/l  
RT: 6.07 min Scan# 806  
Delta R.T. 0.01 min  
Lab File: VX006821.D  
Acq: 26 Dec 2018 16:29

Tgt Ion: 65 Resp: 365039  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampleId :

MW-11

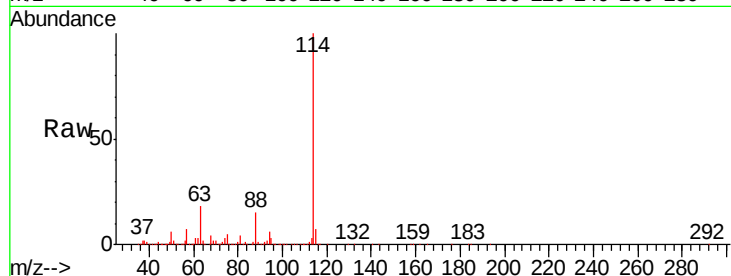
Tgt Ion:114 Resp: 1062074

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

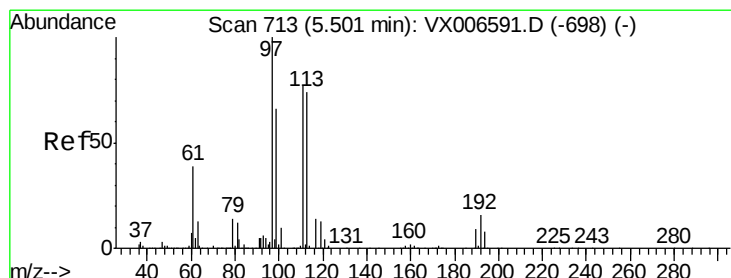
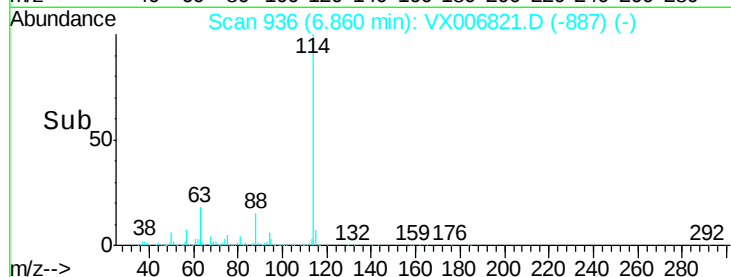
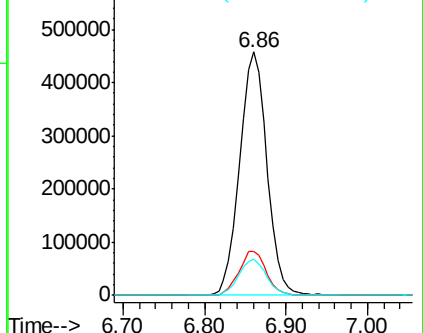
88 14.7 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.933 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

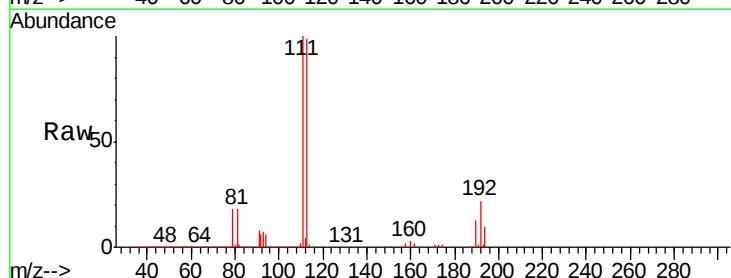
Tgt Ion:113 Resp: 321932

Ion Ratio Lower Upper

113 100

111 101.5 81.6 122.4

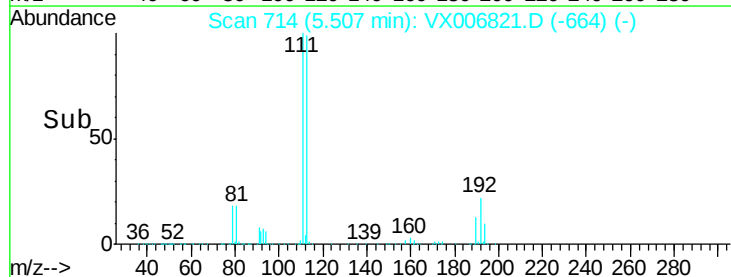
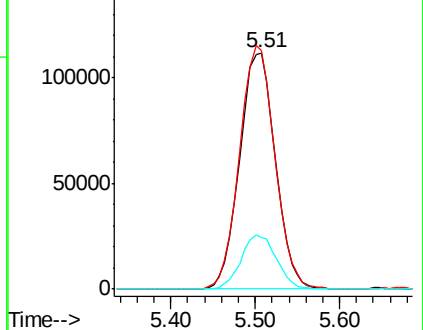
192 22.9 16.7 25.1

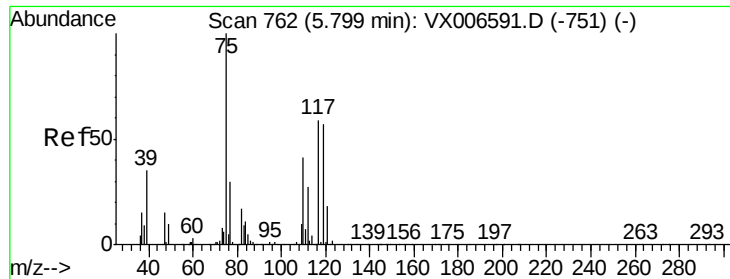


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.071 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampled :

MW-11

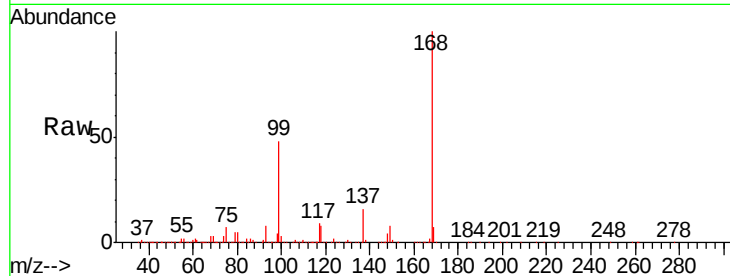
Tgt Ion: 75 Resp: 44608

Ion Ratio Lower Upper

75 100

110 11.0 20.2 60.5#

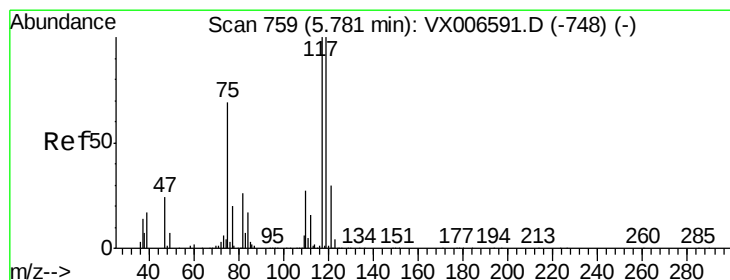
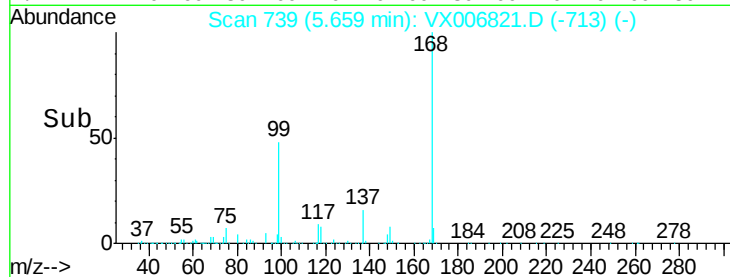
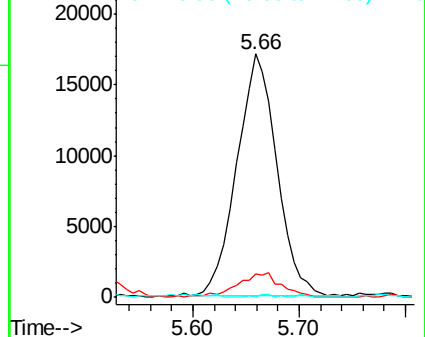
77 0.6 24.8 37.2#



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: 7.494 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

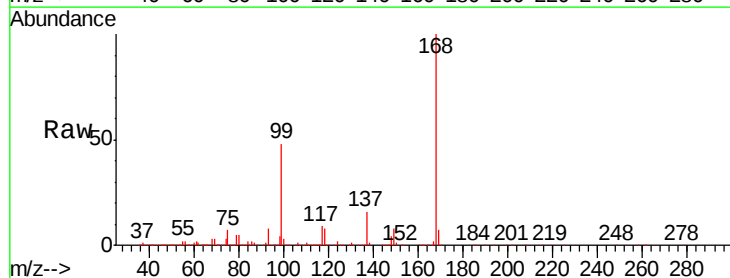
Tgt Ion: 117 Resp: 64068

Ion Ratio Lower Upper

117 100

119 4.5 79.4 119.2#

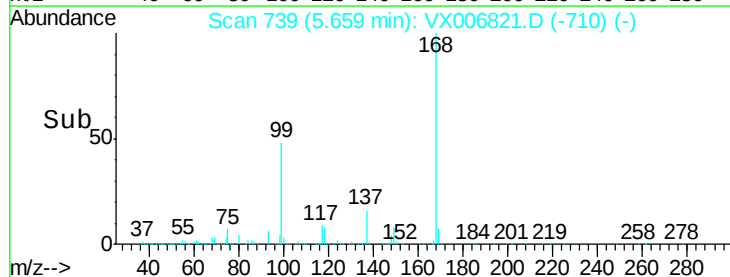
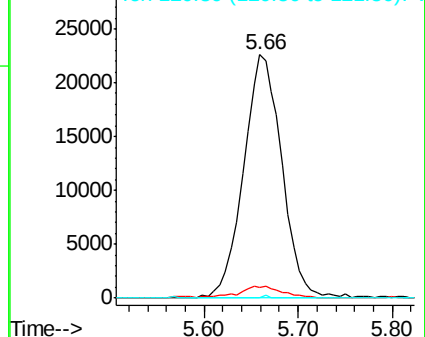
121 0.0 24.0 36.0#

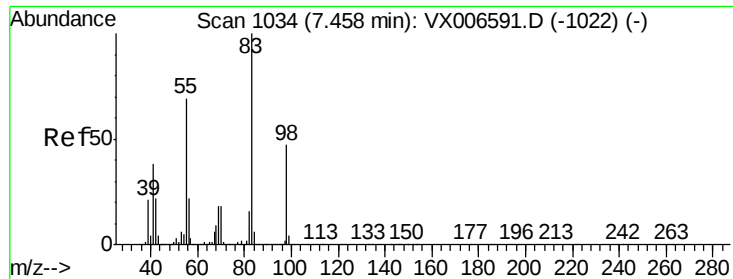


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

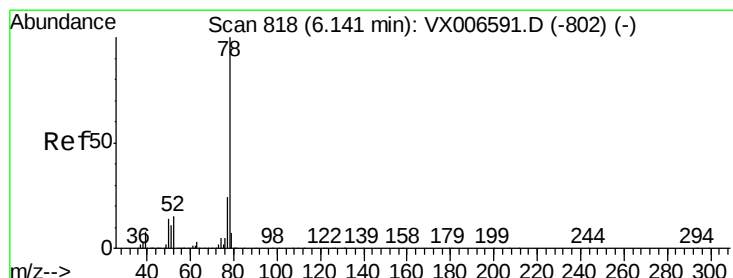
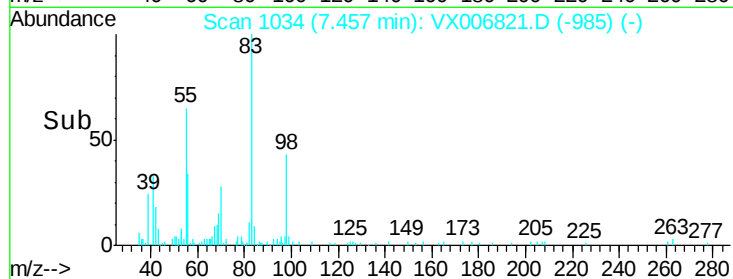
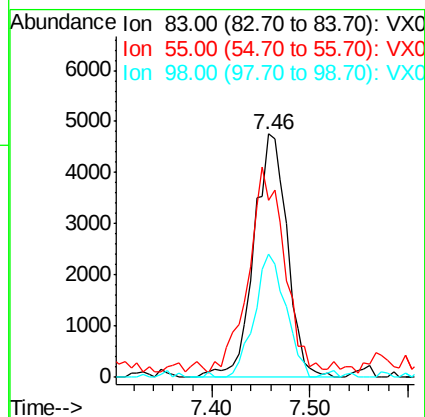
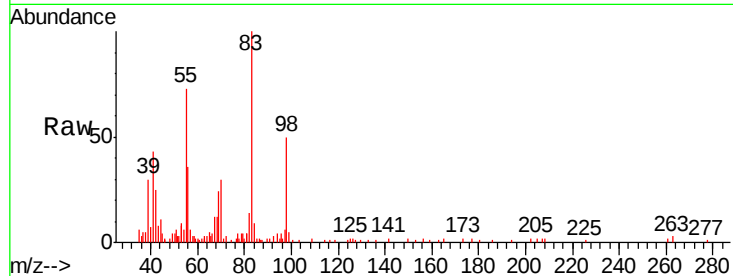




#39  
Methylcyclohexane  
Concen: 0.970 ug/l  
RT: 7.46 min Scan# 1034  
Delta R.T. -0.00 min  
Lab File: VX006821.D  
Acq: 26 Dec 2018 16:29

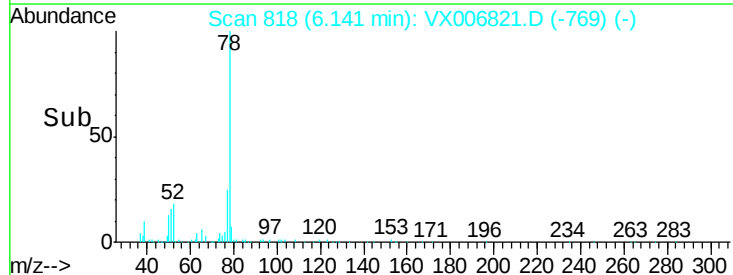
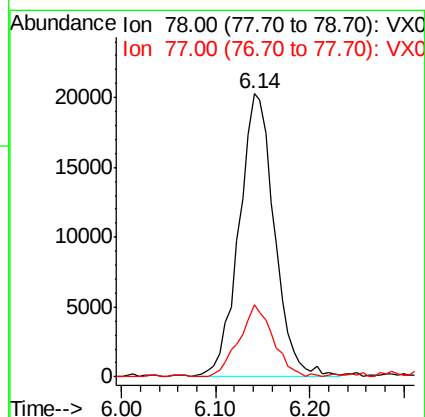
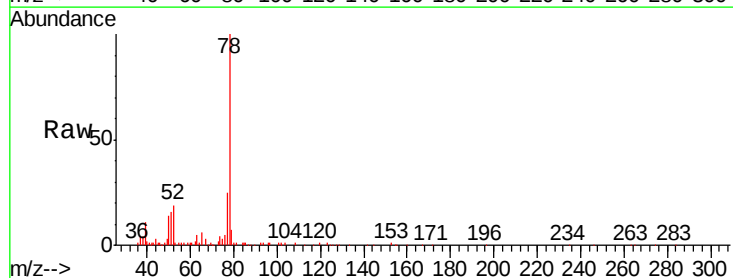
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11

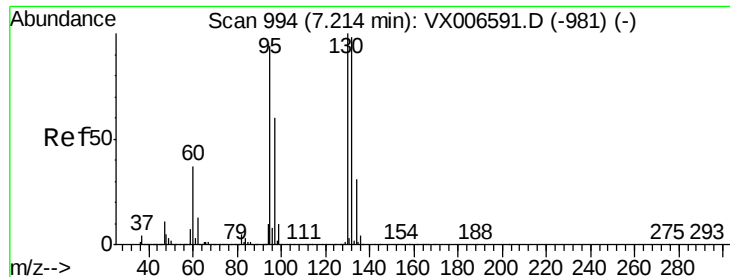
Tgt Ion: 83 Resp: 11230  
Ion Ratio Lower Upper  
83 100  
55 69.4 54.9 82.3  
98 50.5 37.9 56.9



#40  
Benzene  
Concen: 1.998 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX006821.D  
Acq: 26 Dec 2018 16:29

Tgt Ion: 78 Resp: 53433  
Ion Ratio Lower Upper  
78 100  
77 25.3 19.2 28.8





#44

Trichloroethene

Concen: 0.631 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampled :

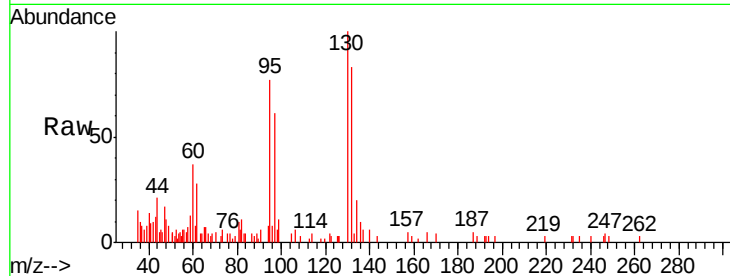
MW-11

Tgt Ion:130 Resp: 5109

Ion Ratio Lower Upper

130 100

95 77.4 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

2500

2000

1500

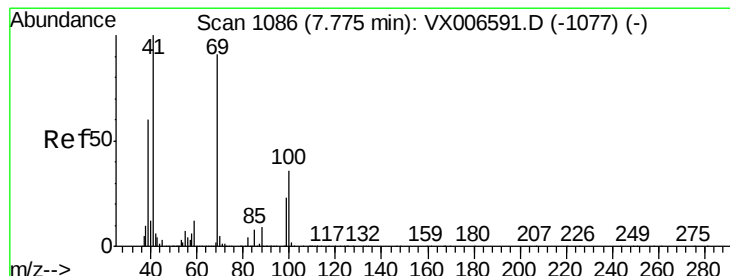
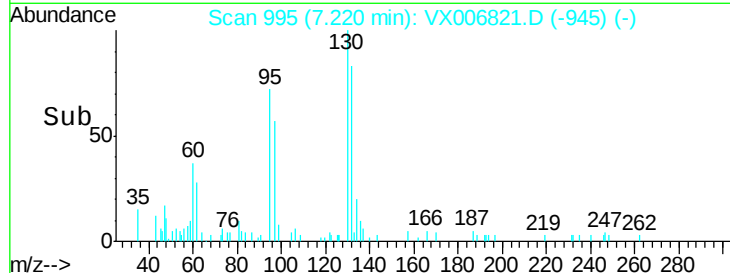
1000

500

0

7.15 7.20 7.25 7.30

Time-->



#48

Methyl methacrylate

Concen: 0.337 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

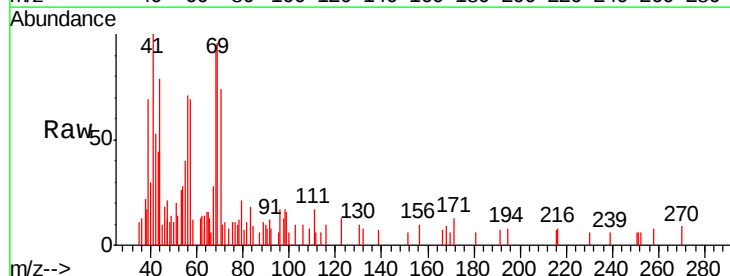
Tgt Ion: 41 Resp: 2390

Ion Ratio Lower Upper

41 100

69 90.3 72.4 108.6

39 28.9 45.8 68.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

1200

1000

800

600

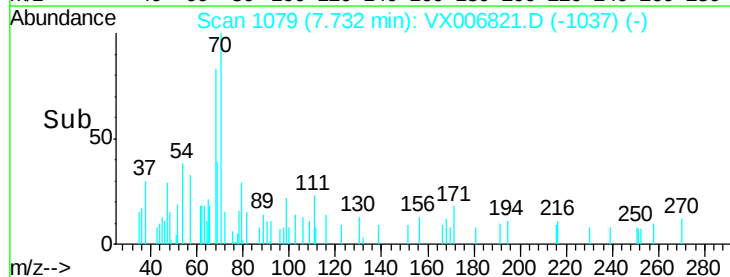
400

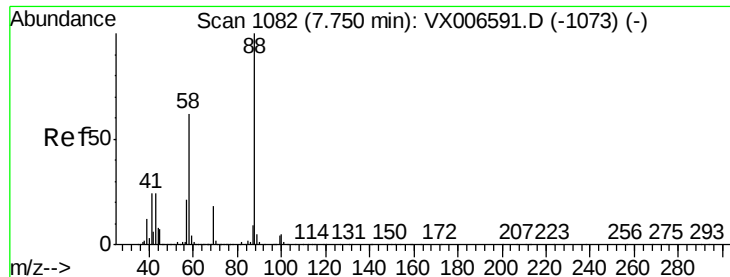
200

0

7.65 7.70 7.75 7.80

Time-->





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampled :

MW-11

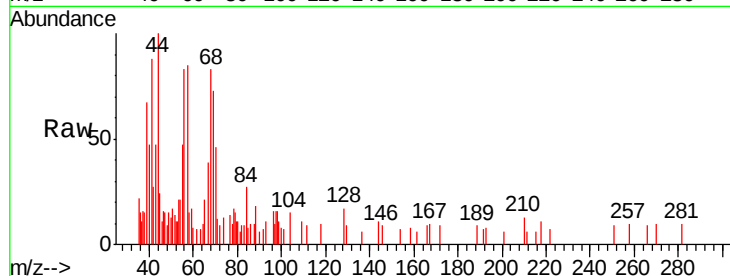
Tgt Ion: 88 Resp: 128

Ion Ratio Lower Upper

88 100

43 289.8 22.2 33.4#

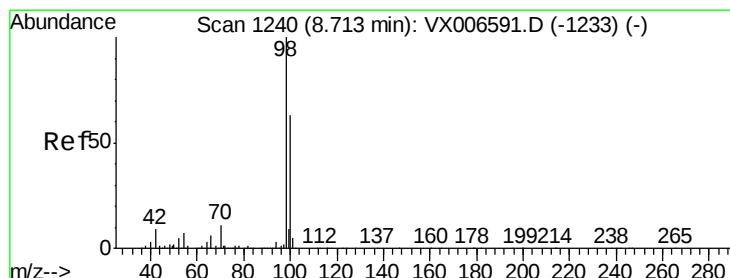
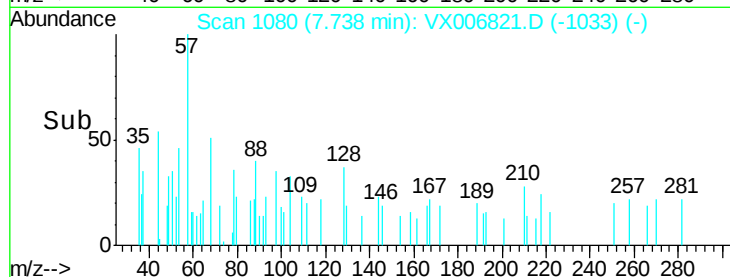
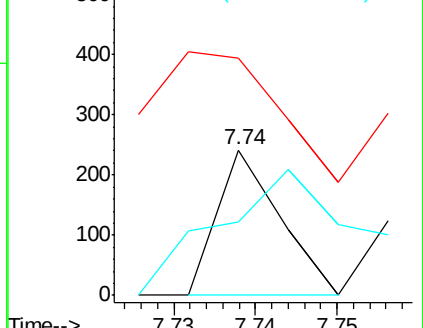
58 41.4 51.0 76.4#



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: 49.718 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006821.D

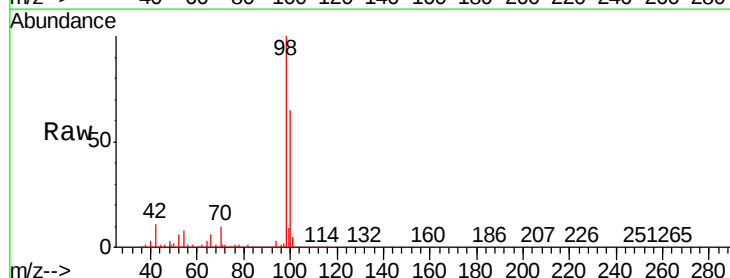
Acq: 26 Dec 2018 16:29

Tgt Ion: 98 Resp: 1258902

Ion Ratio Lower Upper

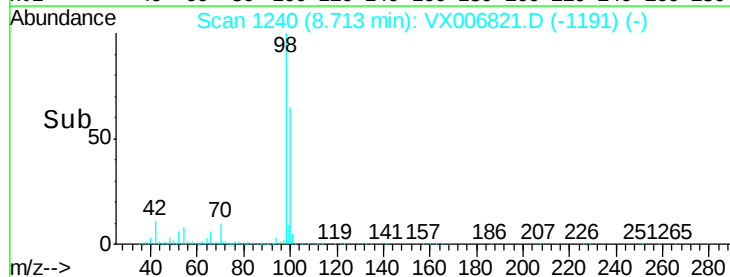
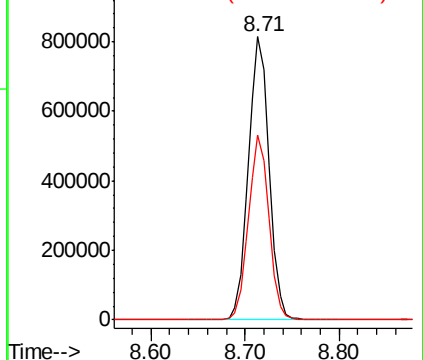
98 100

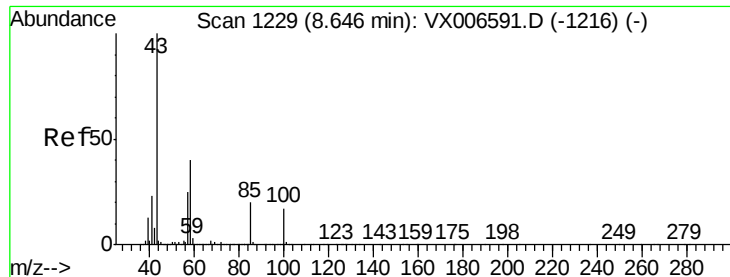
100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

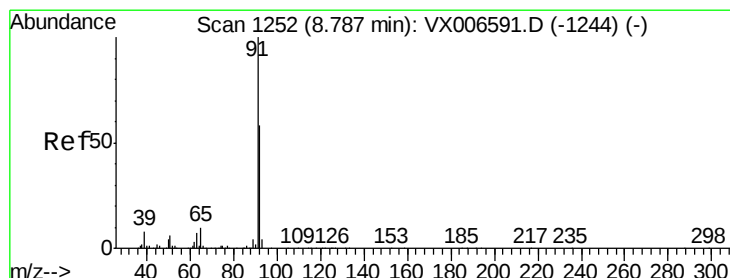
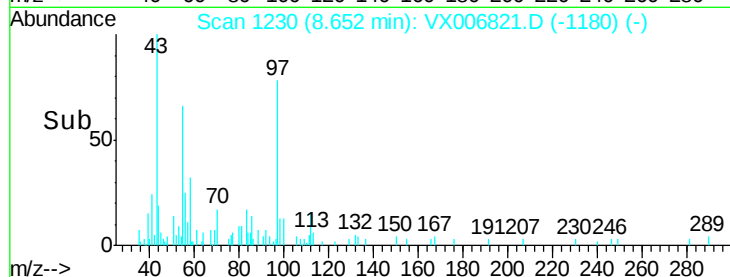
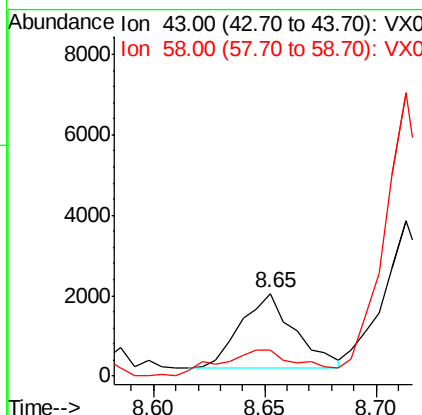
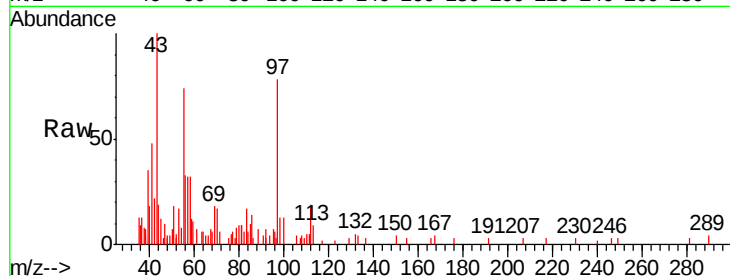




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.345 ug/l  
 RT: 8.65 min Scan# 1230  
 Delta R.T. 0.01 min  
 Lab File: VX006821.D  
 Acq: 26 Dec 2018 16:29

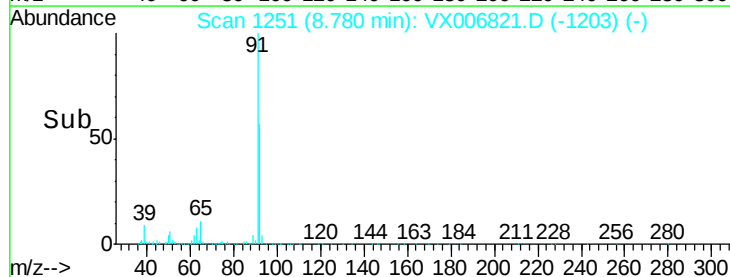
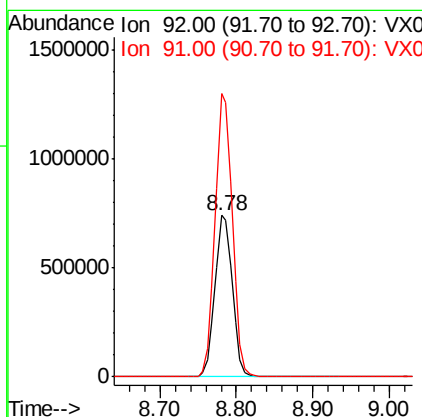
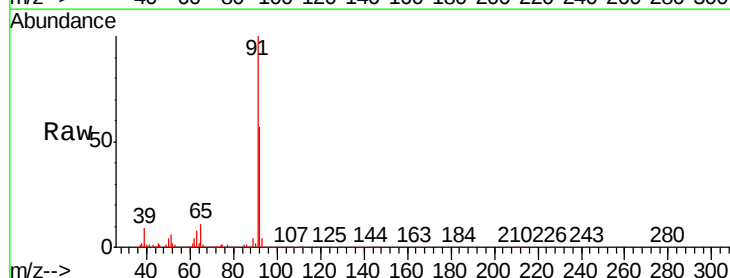
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-11

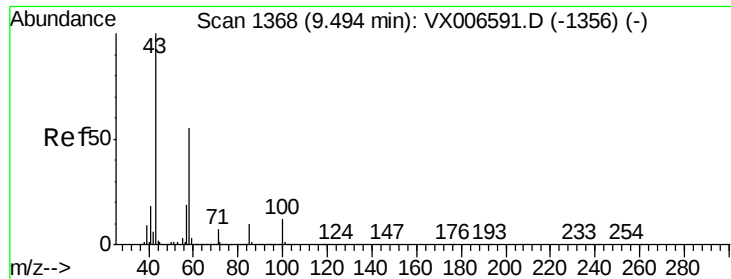
Tgt Ion: 43 Resp: 3057  
 Ion Ratio Lower Upper  
 43 100  
 58 54.5 31.8 47.6#



#52  
 Toluene  
 Concen: 67.589 ug/l  
 RT: 8.78 min Scan# 1251  
 Delta R.T. -0.01 min  
 Lab File: VX006821.D  
 Acq: 26 Dec 2018 16:29

Tgt Ion: 92 Resp: 1167530  
 Ion Ratio Lower Upper  
 92 100  
 91 174.1 137.6 206.4

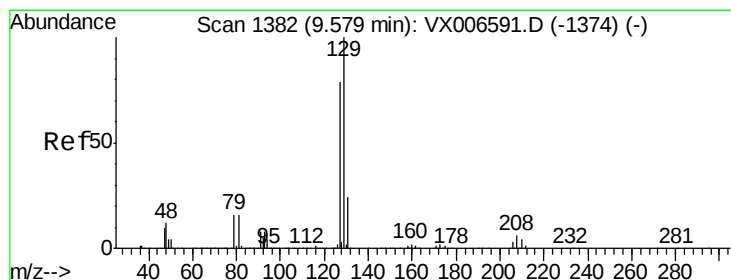
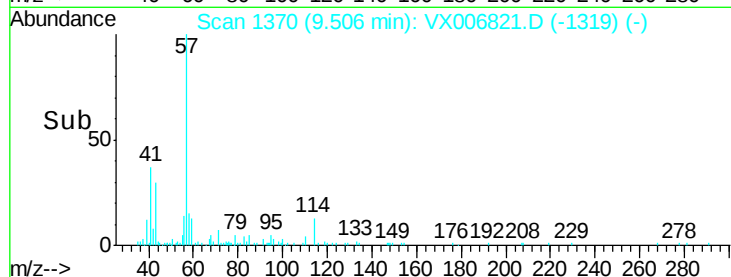
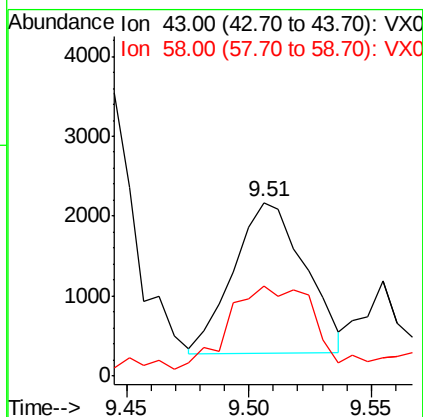
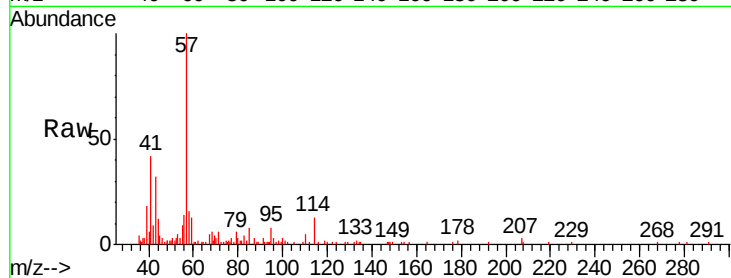




#59  
2-Hexanone  
Concen: 0.566 ug/l  
RT: 9.51 min Scan# 1370  
Delta R.T. 0.01 min  
Lab File: VX006821.D  
Acq: 26 Dec 2018 16:29

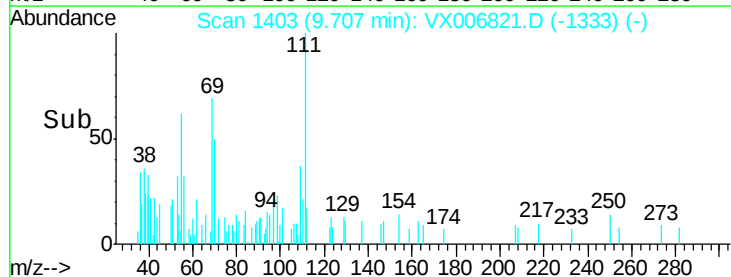
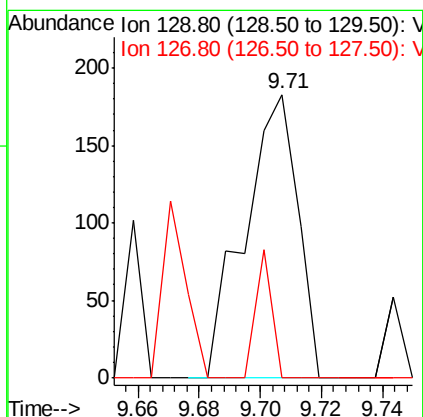
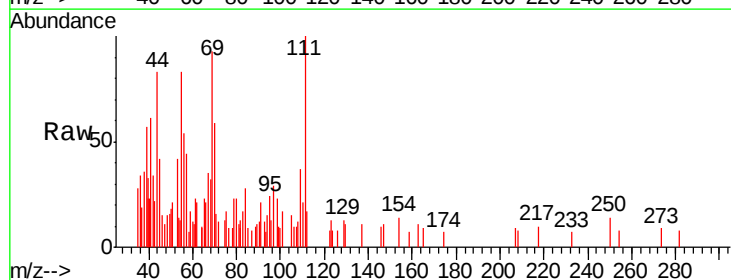
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-11

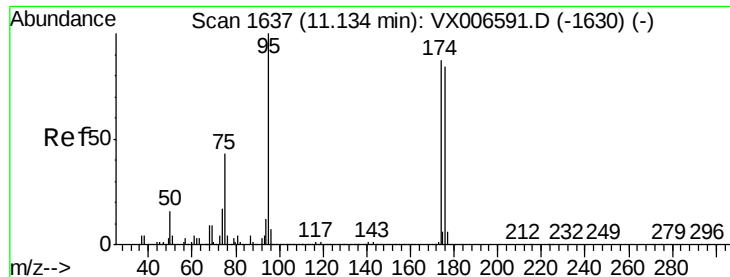
Tgt Ion: 43 Resp: 3836  
Ion Ratio Lower Upper  
43 100  
58 69.1 27.7 83.1



#60  
Dibromochloromethane  
Concen: 2.353 ug/l  
RT: 9.71 min Scan# 1403  
Delta R.T. 0.13 min  
Lab File: VX006821.D  
Acq: 26 Dec 2018 16:29

Tgt Ion: 129 Resp: 221  
Ion Ratio Lower Upper  
129 100  
127 13.6 39.3 117.8#





#62

4-Bromofluorobenzene

Concen: 49.755 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampleId :

MW-11

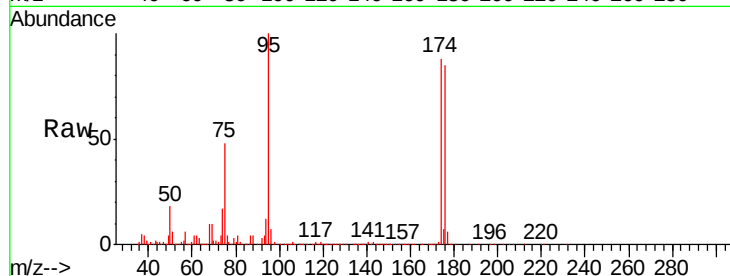
Tgt Ion: 95 Resp: 461406

Ion Ratio Lower Upper

95 100

174 95.0 0.0 182.2

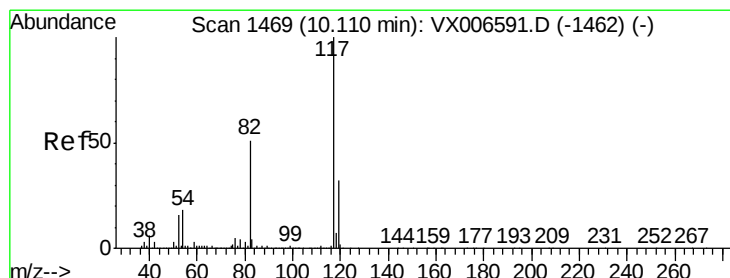
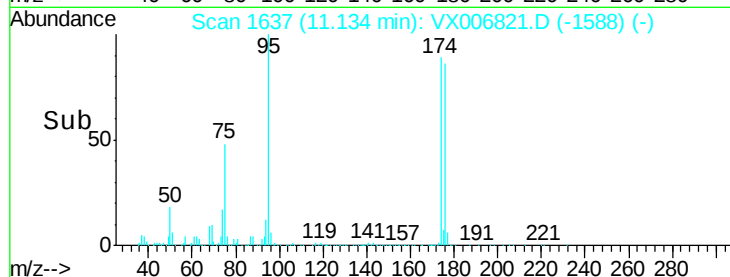
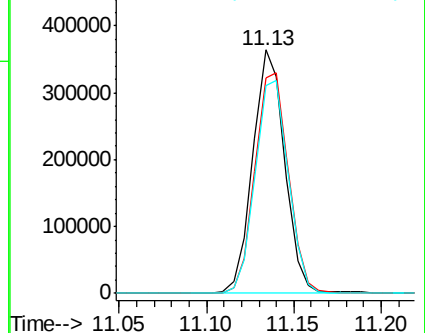
176 91.4 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

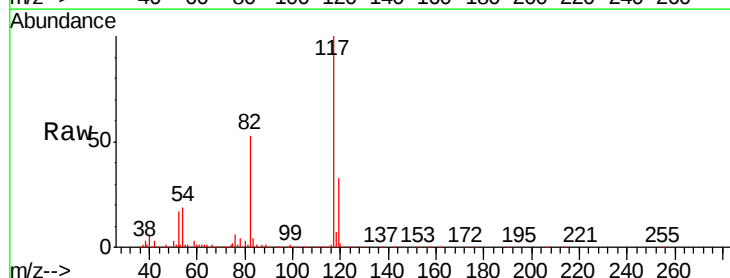
Tgt Ion: 117 Resp: 978605

Ion Ratio Lower Upper

117 100

82 53.3 41.0 61.6

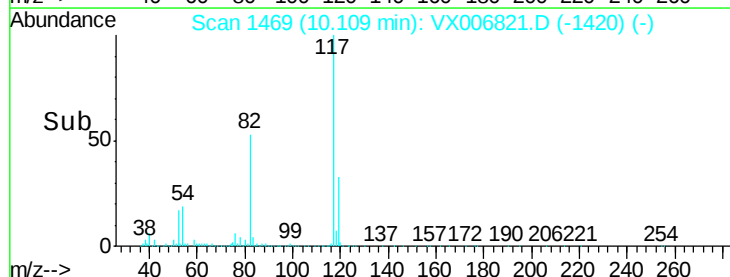
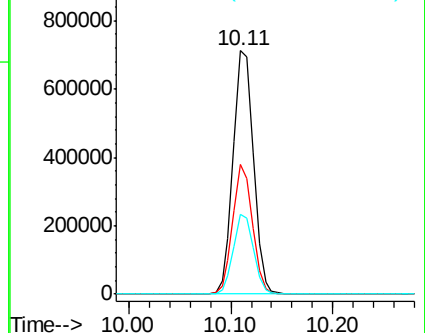
119 32.5 25.4 38.0

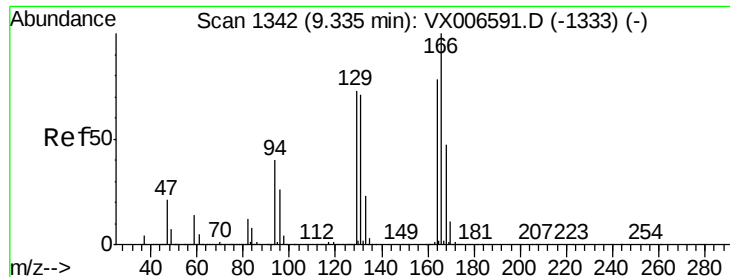


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.532 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampleId :

MW-11

Tgt Ion:164 Resp: 4124

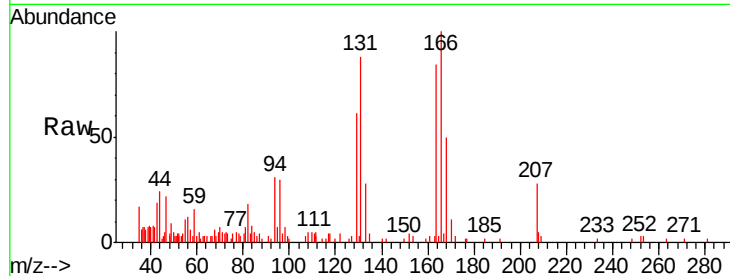
Ion Ratio Lower Upper

164 100

166 118.7 102.5 153.7

129 72.2 75.1 112.7#

131 101.9 72.7 109.1

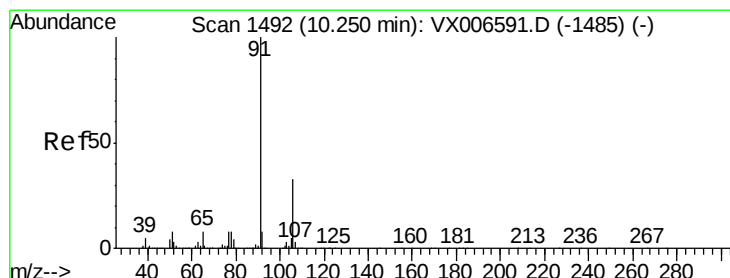
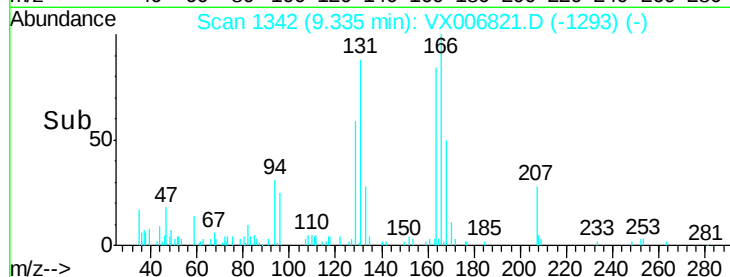
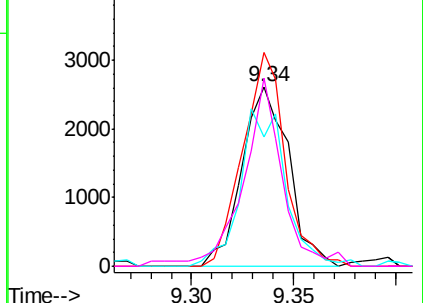


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 13.837 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006821.D

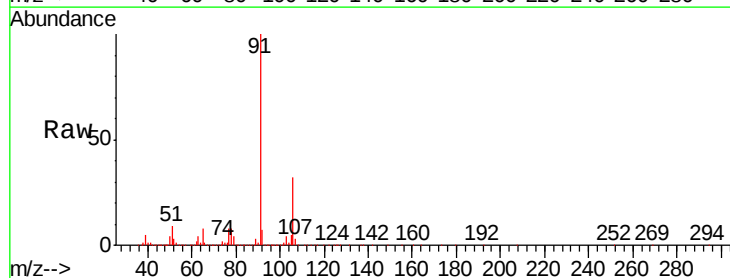
Acq: 26 Dec 2018 16:29

Tgt Ion: 91 Resp: 468112

Ion Ratio Lower Upper

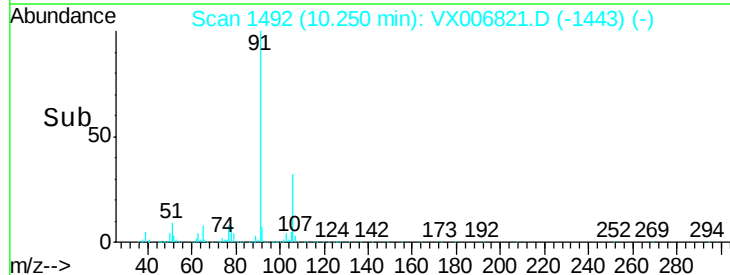
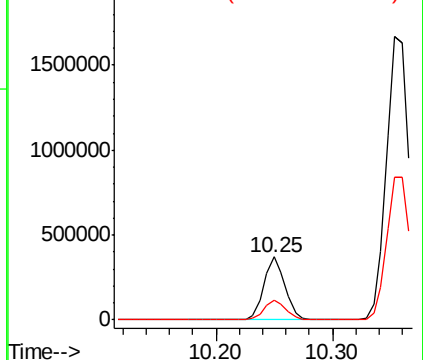
91 100

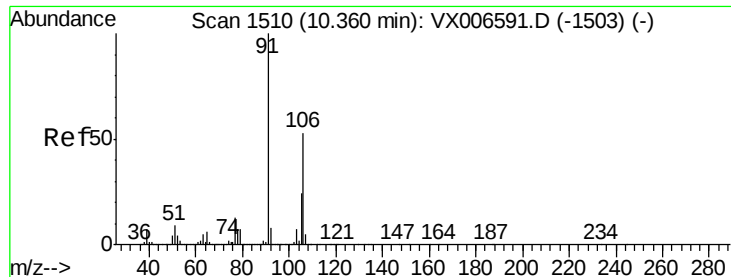
106 32.1 26.4 39.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

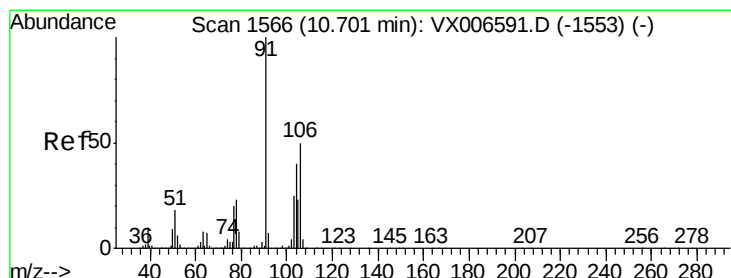
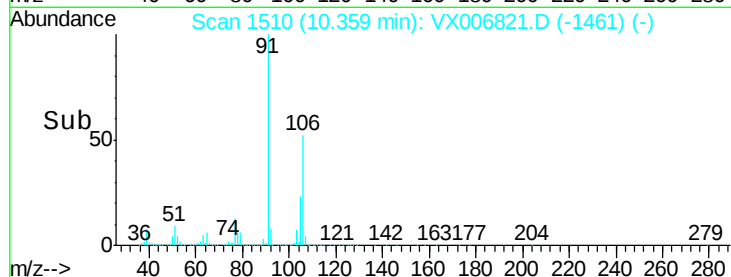
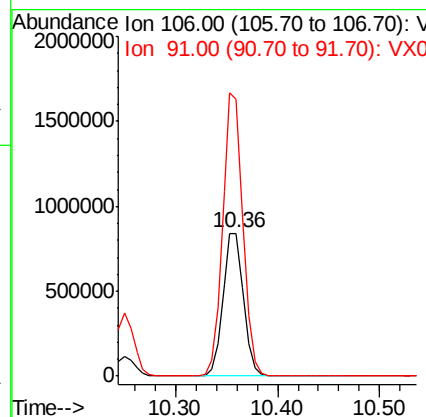
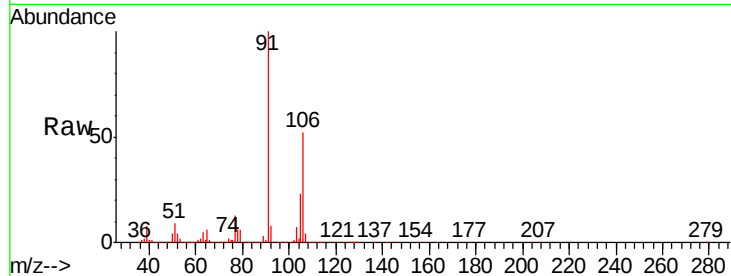




#68  
m/p-Xylenes  
Concen: 88.520 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX006821.D  
Acq: 26 Dec 2018 16:29

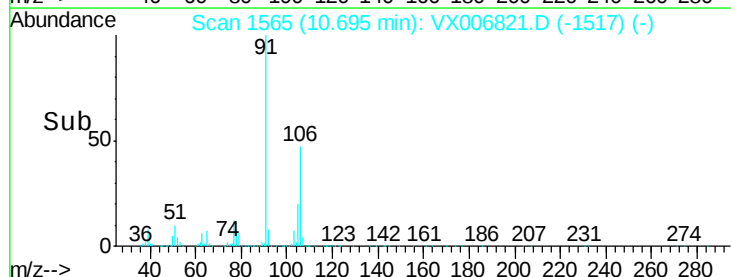
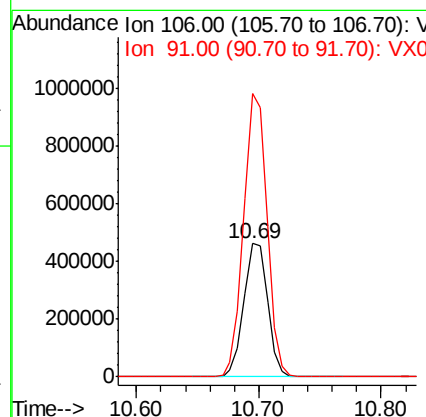
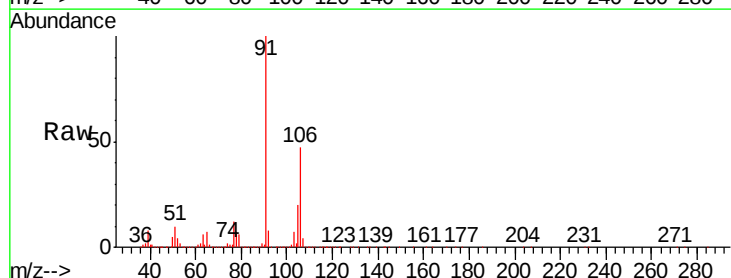
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-11

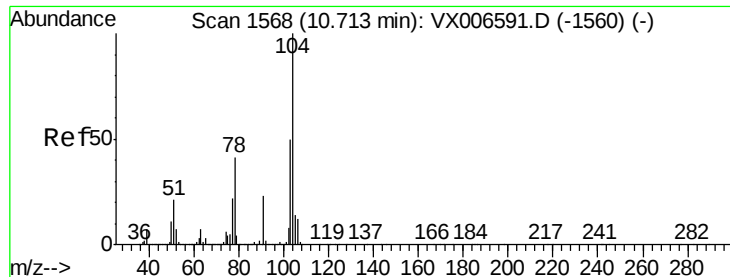
Tgt Ion:106 Resp: 1181689  
Ion Ratio Lower Upper  
106 100  
91 195.7 155.8 233.6



#69  
o-Xylene  
Concen: 47.218 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: VX006821.D  
Acq: 26 Dec 2018 16:29

Tgt Ion:106 Resp: 622441  
Ion Ratio Lower Upper  
106 100  
91 208.3 101.3 303.7





#70

Styrene

Concen: 1.408 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.02 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampled :

MW-11

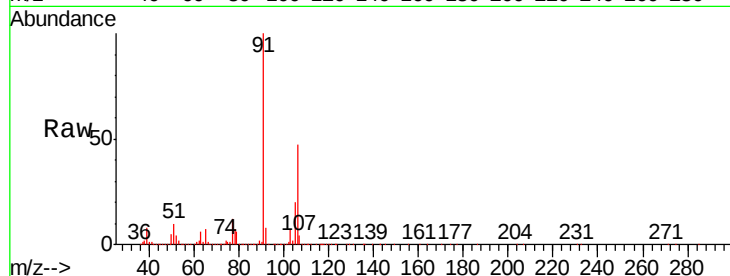
Tgt Ion:104 Resp: 29363

Ion Ratio Lower Upper

104 100

78 293.0 37.7 56.5#

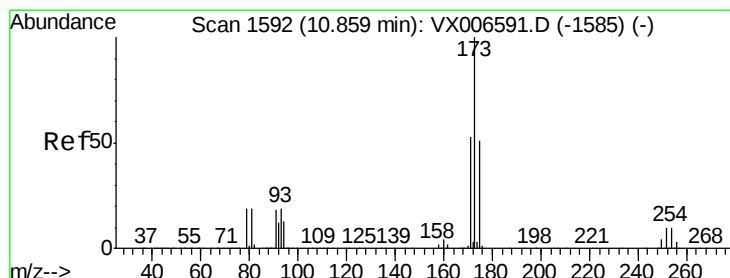
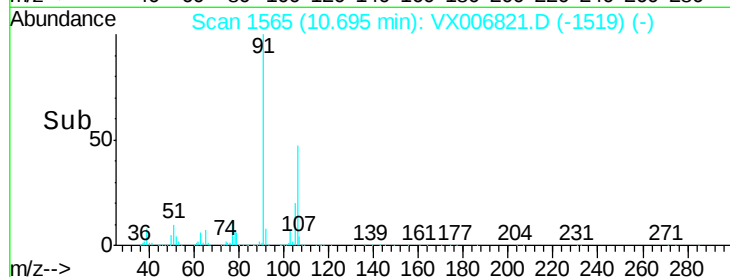
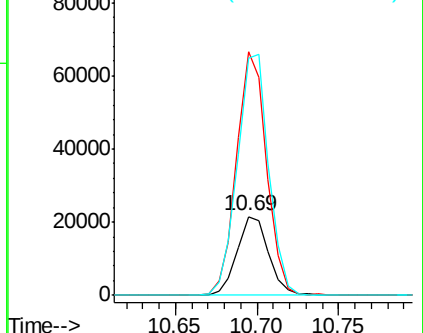
103 302.3 43.8 65.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 4.477 ug/l

RT: 11.07 min Scan# 1626

Delta R.T. 0.21 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

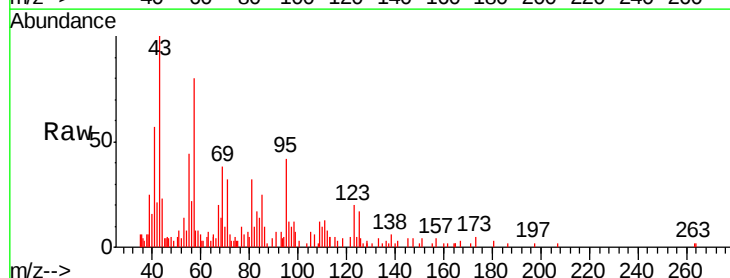
Tgt Ion:173 Resp: 110

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

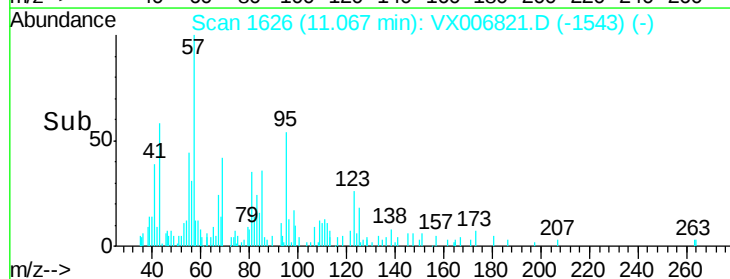
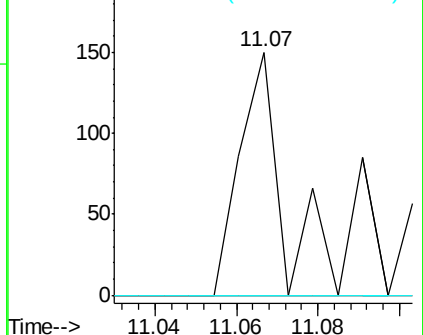
254 0.0 0.2 0.2#

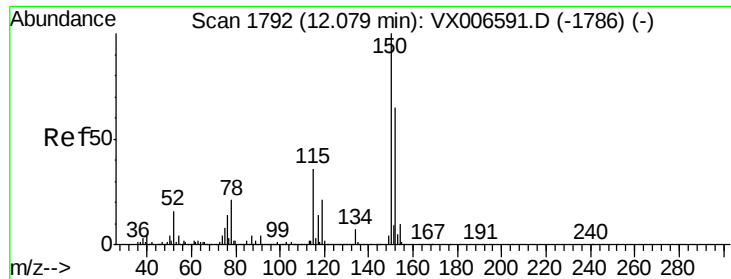


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampleId :

MW-11

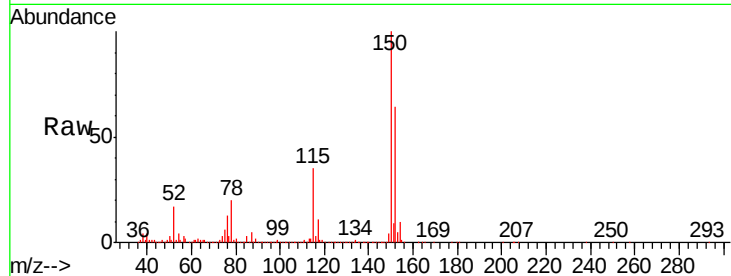
Tgt Ion:152 Resp: 507849

Ion Ratio Lower Upper

152 100

115 56.0 39.1 117.2

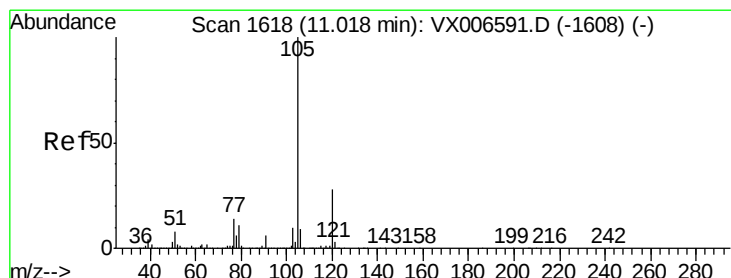
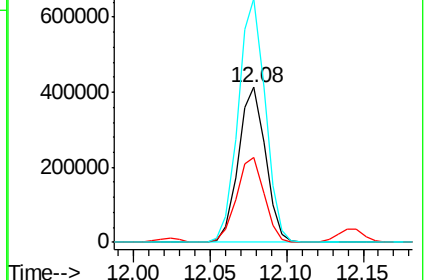
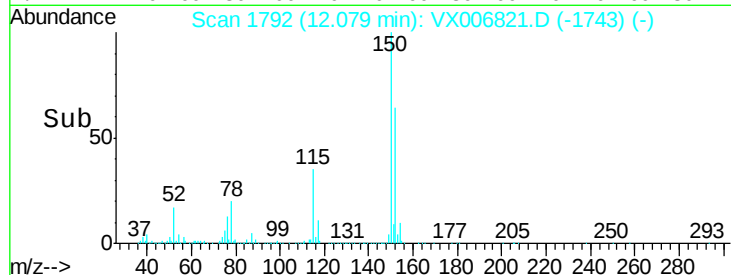
150 157.1 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.230 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006821.D

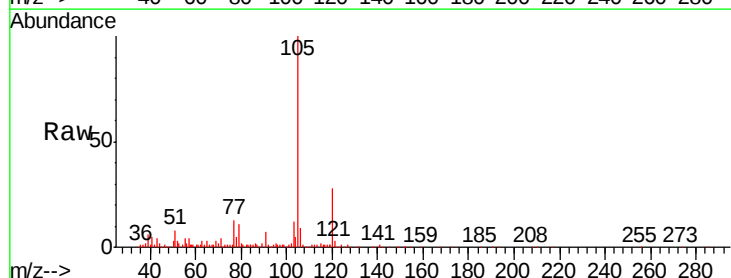
Acq: 26 Dec 2018 16:29

Tgt Ion:105 Resp: 42720

Ion Ratio Lower Upper

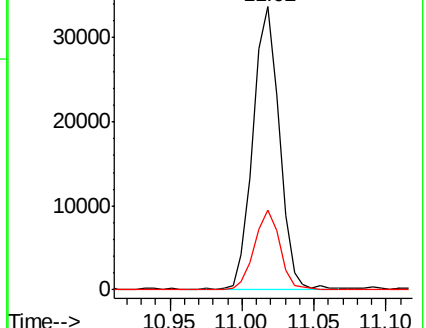
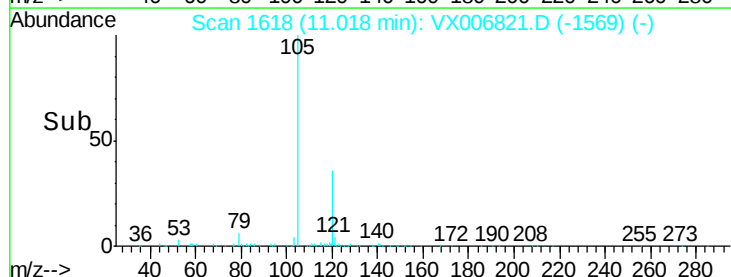
105 100

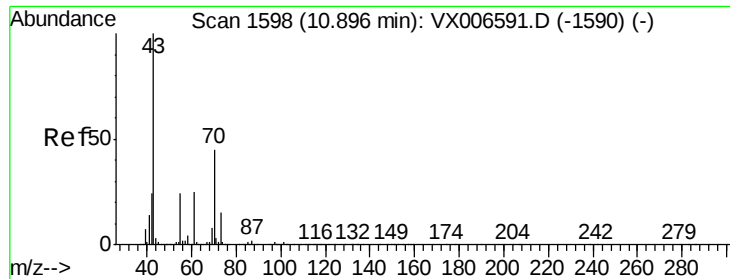
120 27.4 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 0.441 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampled :

MW-11

Tgt Ion: 43 Resp: 5486

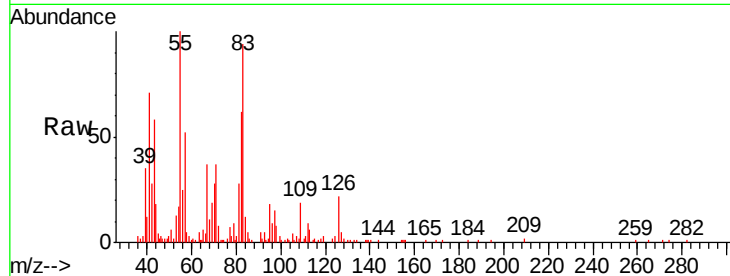
Ion Ratio Lower Upper

43 100

70 117.9 35.8 53.8#

55 256.6 19.4 29.0#

61 0.0 20.1 30.1#



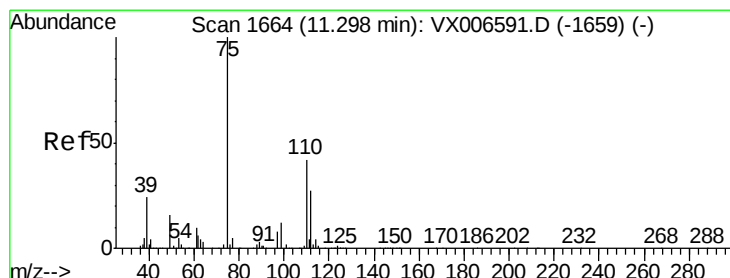
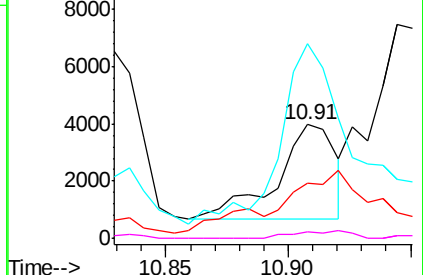
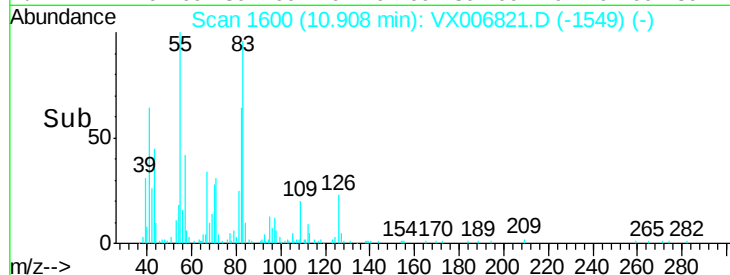
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

Time-->



#76

1,2,3-Trichloropropane

Concen: 1.080 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.13 min

Lab File: VX006821.D

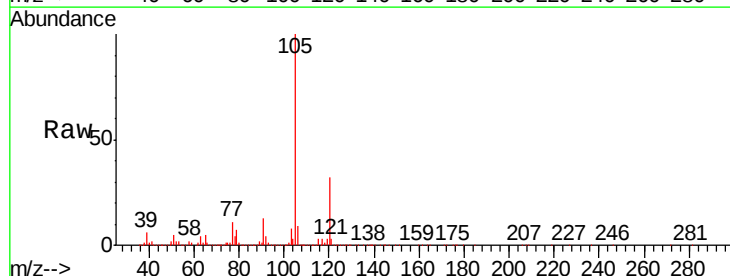
Acq: 26 Dec 2018 16:29

Tgt Ion: 75 Resp: 10194

Ion Ratio Lower Upper

75 100

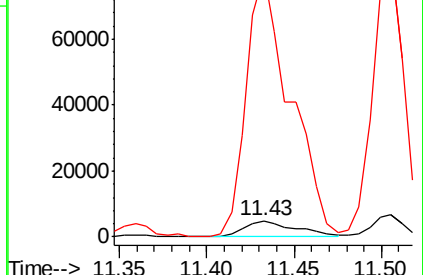
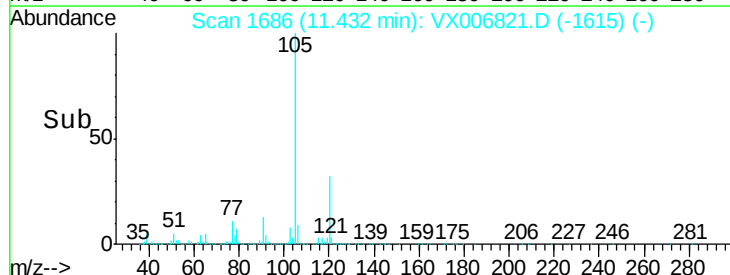
77 1365.9 18.5 55.5#

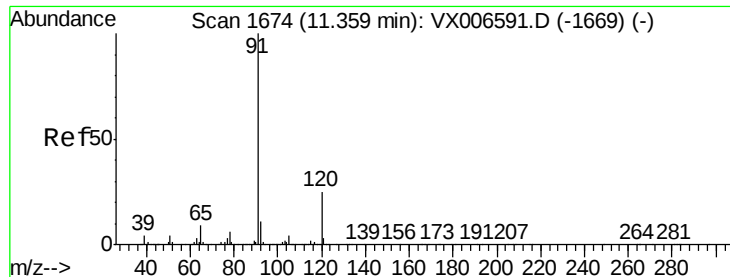


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->





#78

n-propylbenzene

Concen: 2.705 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampleId :

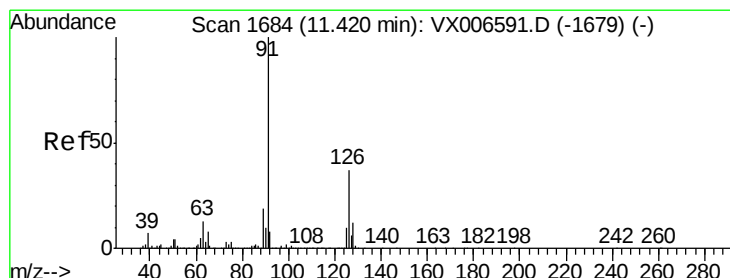
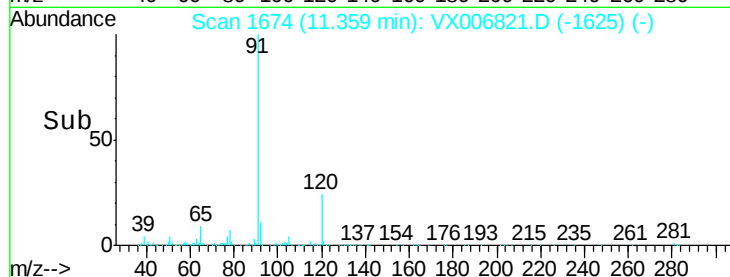
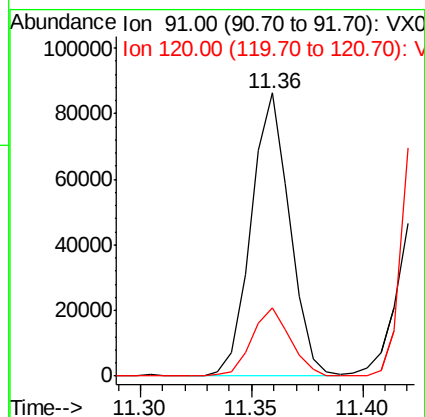
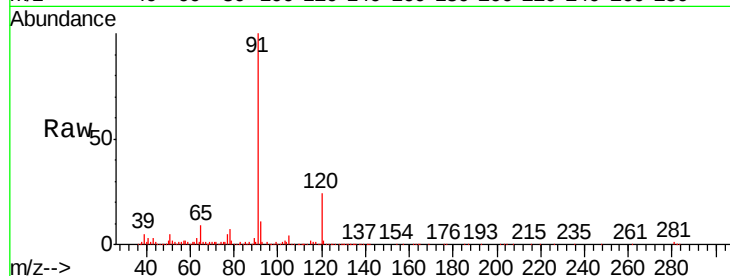
MW-11

Tgt Ion: 91 Resp: 103473

Ion Ratio Lower Upper

91 100

120 24.5 12.7 38.0



#79

2-Chlorotoluene

Concen: 7.162 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX006821.D

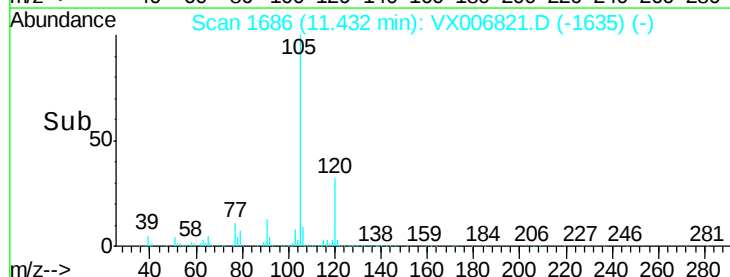
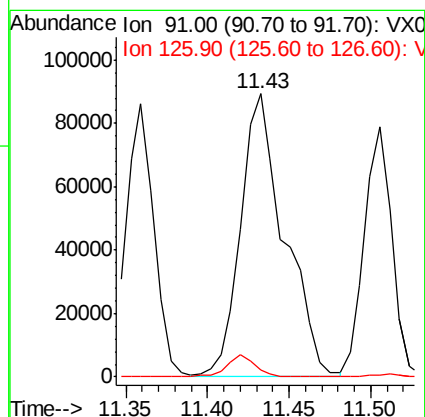
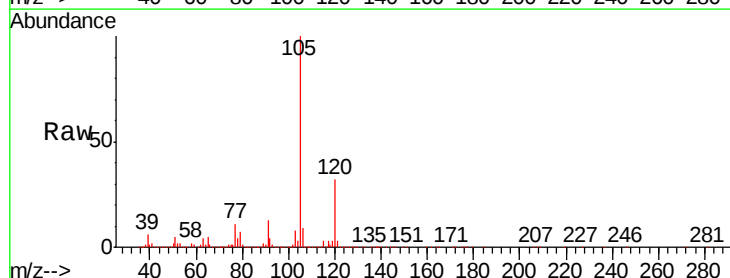
Acq: 26 Dec 2018 16:29

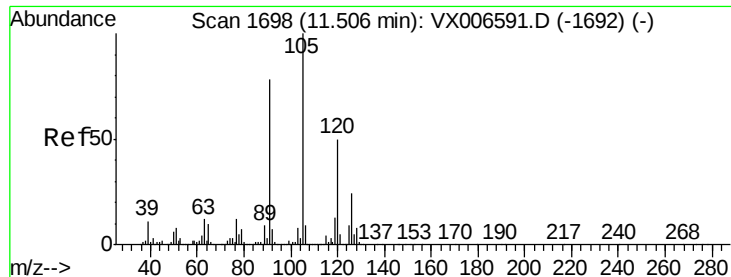
Tgt Ion: 91 Resp: 166049

Ion Ratio Lower Upper

91 100

126 5.2 18.6 56.0#





#80

1,3,5-Trimethylbenzene

Concen: 30.346 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampleId :

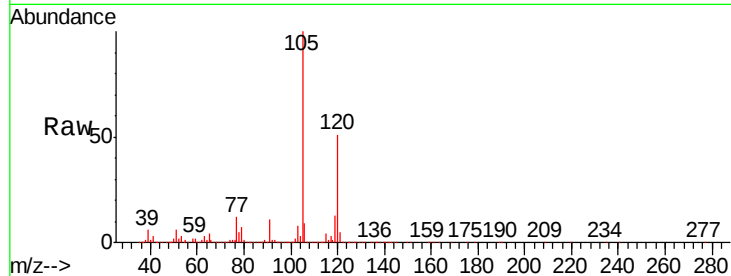
MW-11

Tgt Ion:105 Resp: 868392

Ion Ratio Lower Upper

105 100

120 50.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

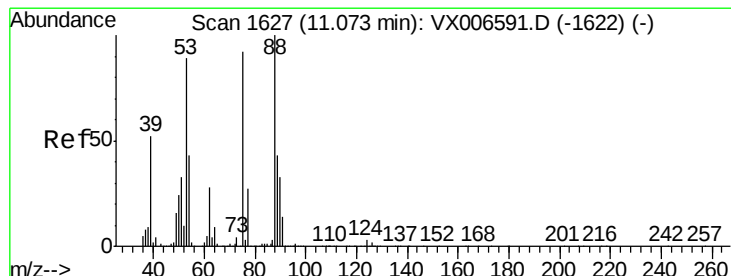
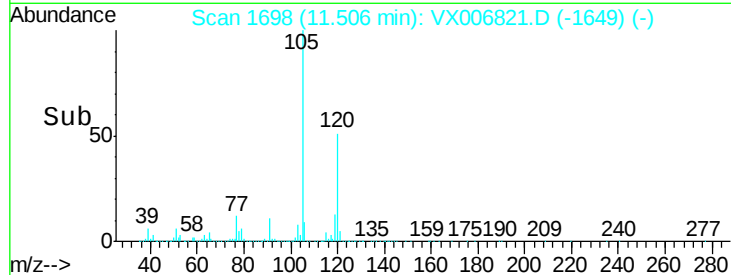
0

11.51

11.50

11.60

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 68.306 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

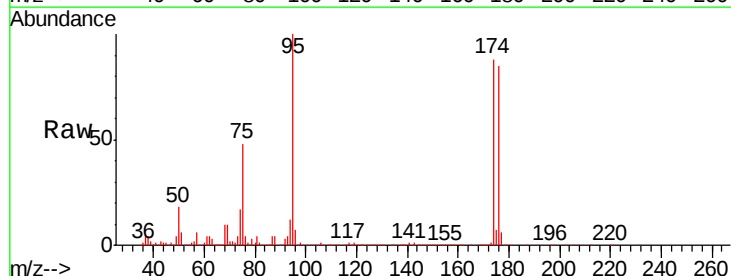
Tgt Ion: 75 Resp: 217084

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

200000

150000

100000

50000

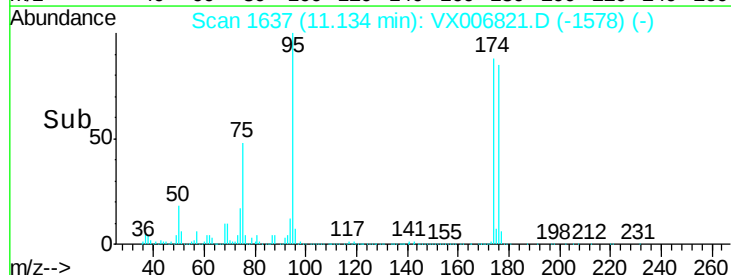
0

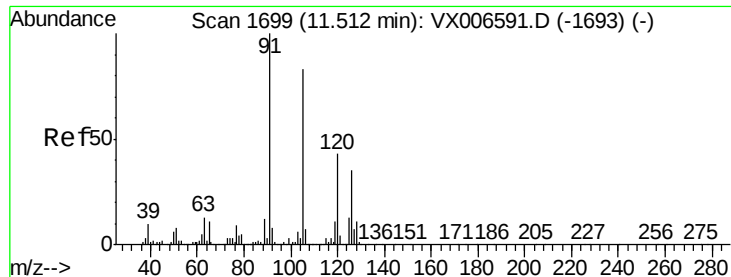
11.13

11.10

11.20

Time-->





#82

4-Chlorotoluene

Concen: 3.456 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampleId :

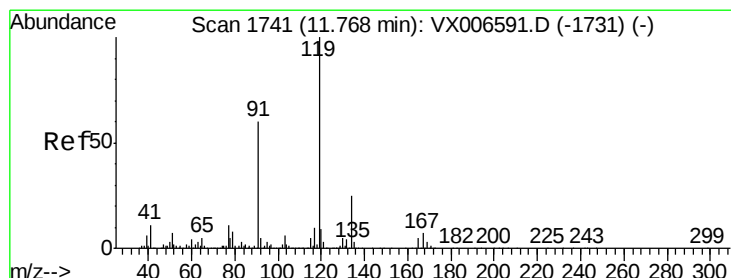
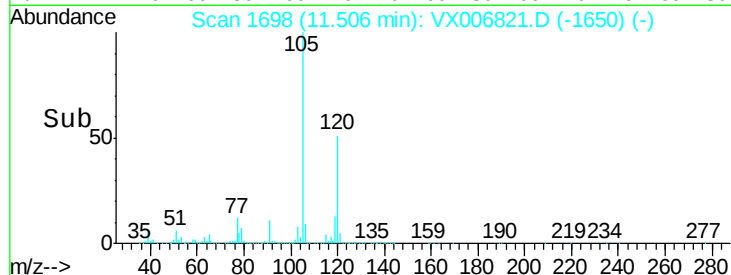
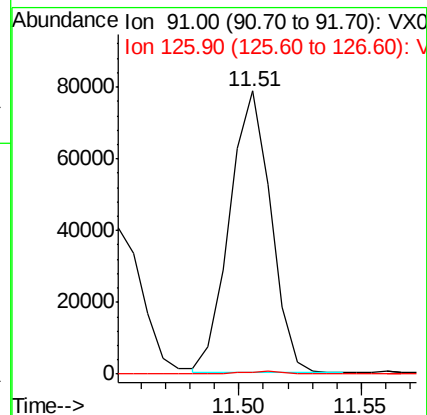
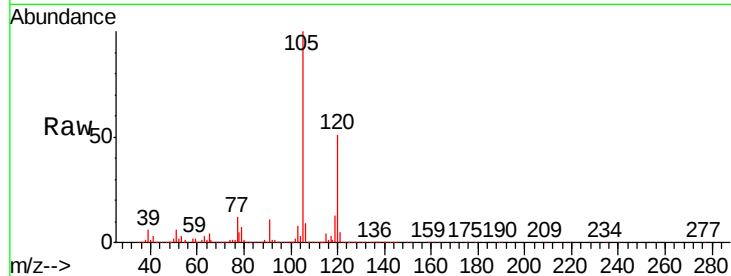
MW-11

Tgt Ion: 91 Resp: 91922

Ion Ratio Lower Upper

91 100

126 1.0 16.3 48.9#



#83

tert-Butylbenzene

Concen: 1.656 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

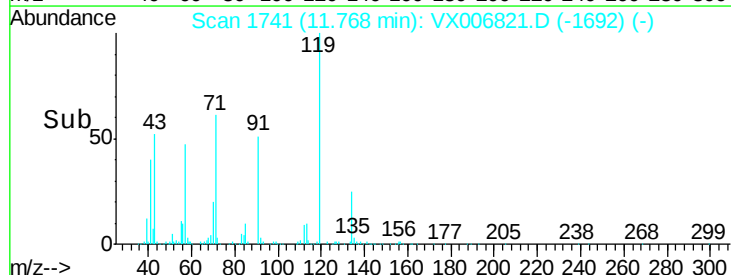
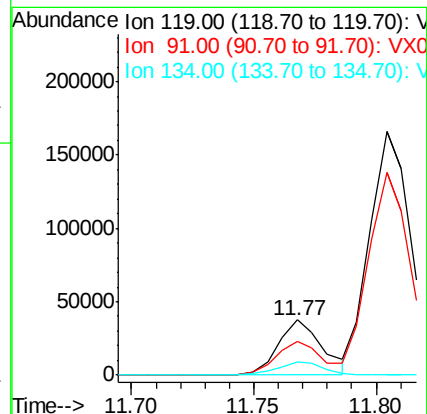
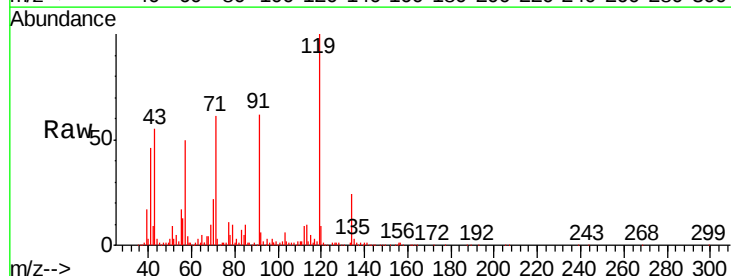
Tgt Ion: 119 Resp: 47423

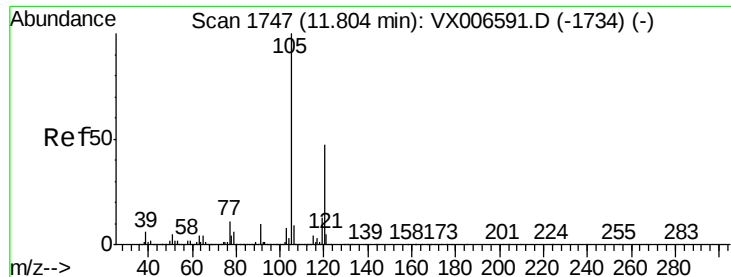
Ion Ratio Lower Upper

119 100

91 63.2 27.7 83.1

134 25.1 11.9 35.5





#84

1,2,4-Trimethylbenzene

Concen: 52.767 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampled :

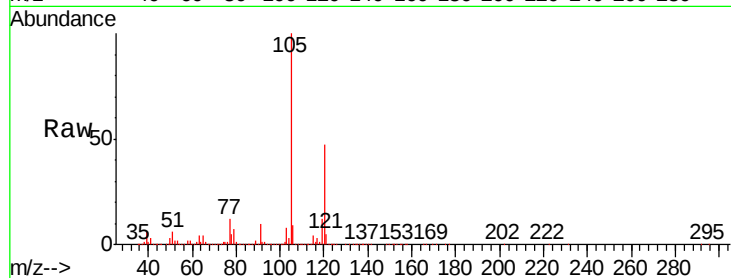
MW-11

Tgt Ion:105 Resp: 1588290

Ion Ratio Lower Upper

105 100

120 47.0 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

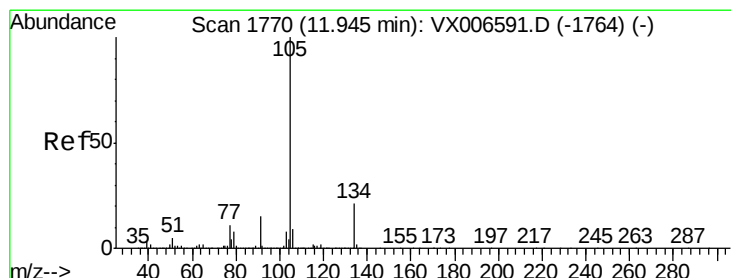
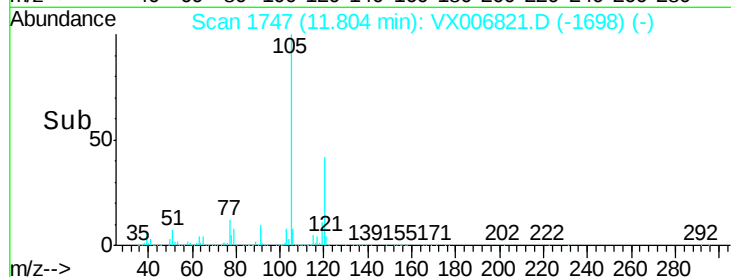
11.80

1000000

500000

0

Time--> 11.70 11.80 11.90



#85

sec-Butylbenzene

Concen: 45.231 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX006821.D

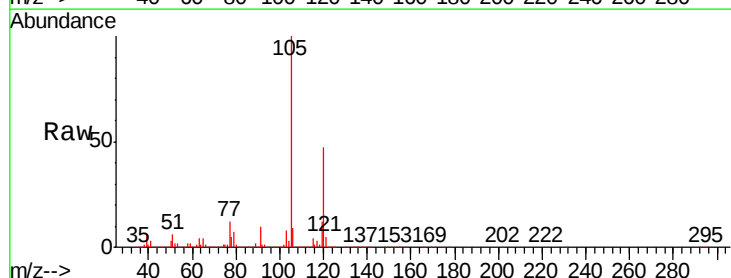
Acq: 26 Dec 2018 16:29

Tgt Ion:105 Resp: 1588290

Ion Ratio Lower Upper

105 100

134 0.0 10.7 31.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1500000

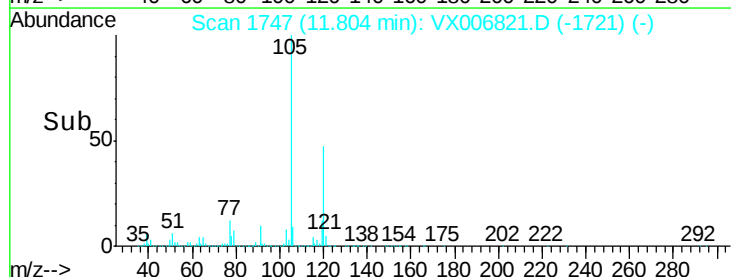
11.80

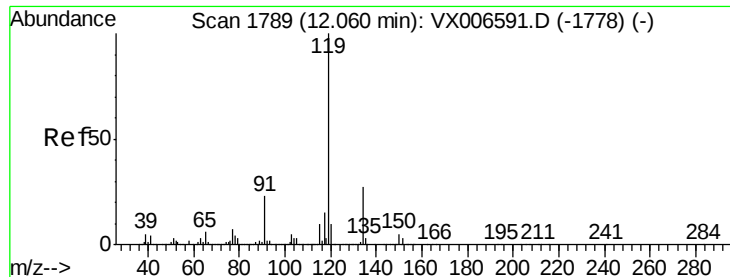
1000000

500000

0

Time--> 11.70 11.80 11.90





#86

p-Isopropyltoluene

Concen: 2.807 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampleId :

MW-11

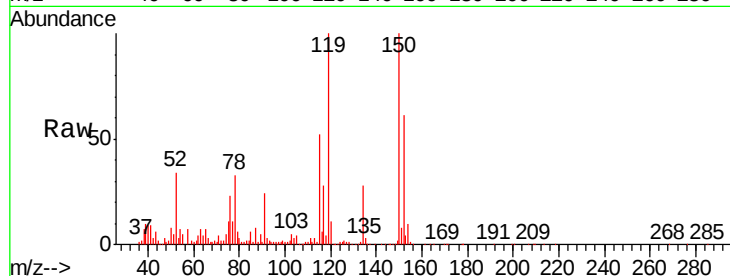
Tgt Ion: 119 Resp: 86642

Ion Ratio Lower Upper

119 100

134 28.3 14.0 41.9

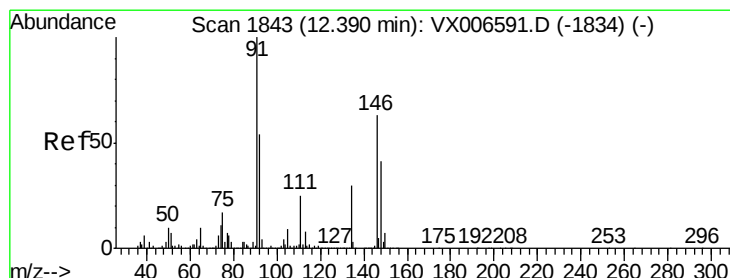
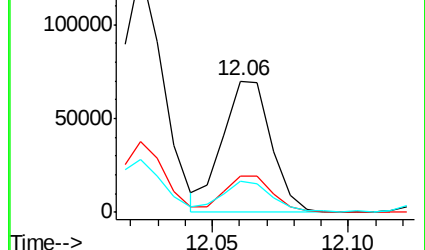
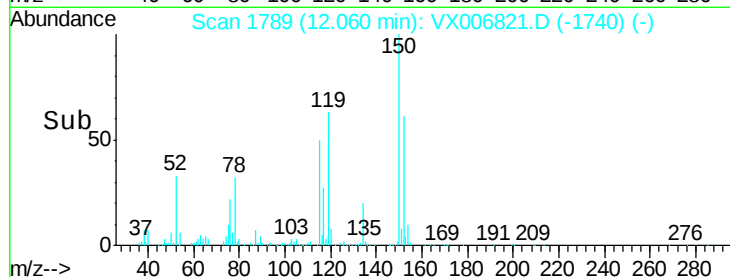
91 23.1 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 4.972 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.02 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

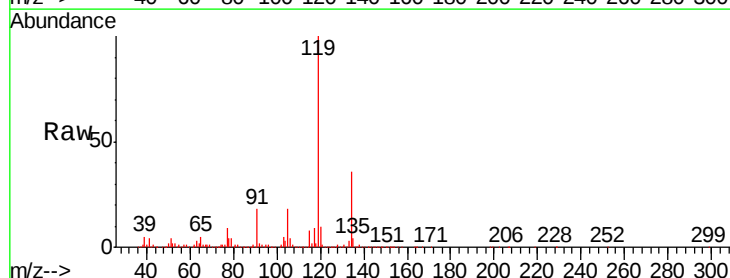
Tgt Ion: 91 Resp: 130618

Ion Ratio Lower Upper

91 100

92 16.1 26.8 80.4#

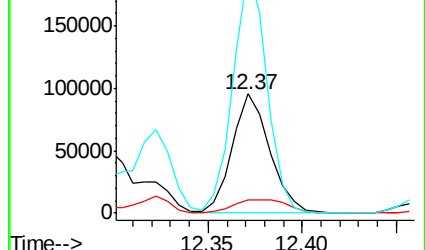
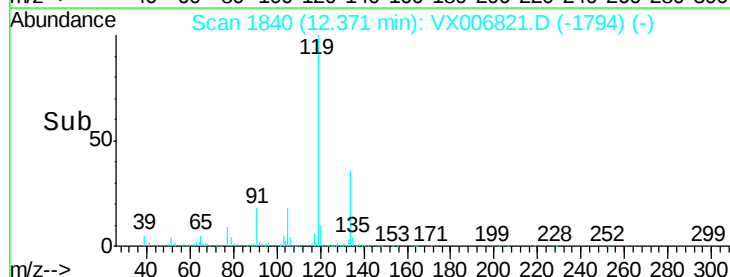
134 183.4 14.4 43.2#

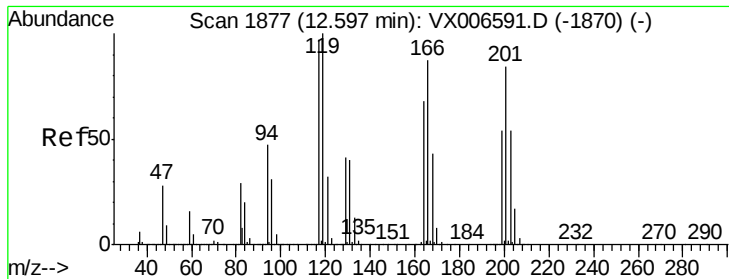


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 6.515 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

Instrument :

MSVOA\_X

ClientSampled :

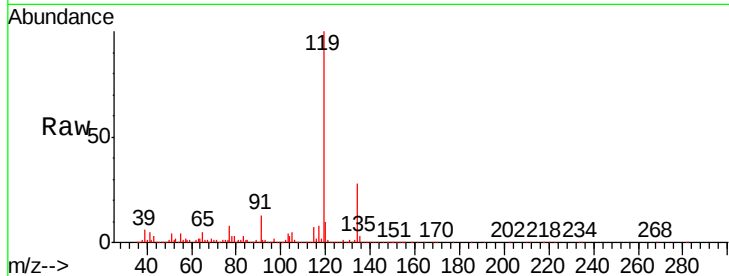
MW-11

Tgt Ion:117 Resp: 16663

Ion Ratio Lower Upper

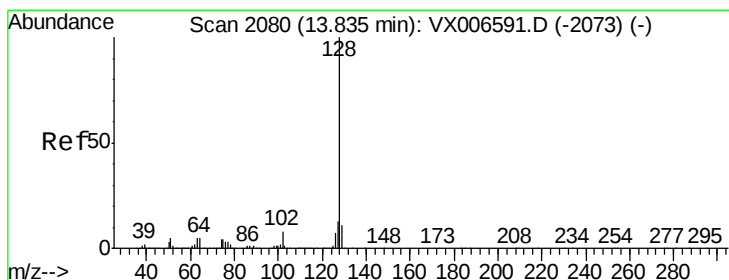
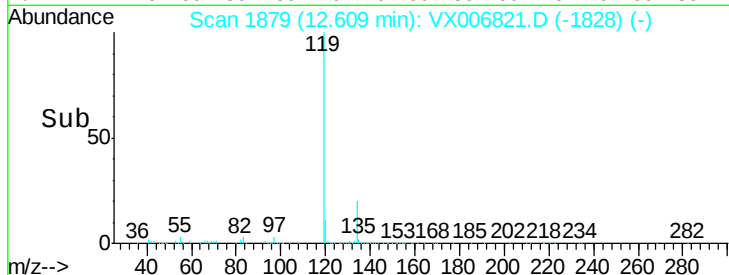
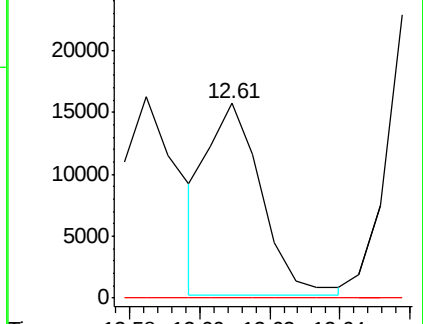
117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 11.878 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006821.D

Acq: 26 Dec 2018 16:29

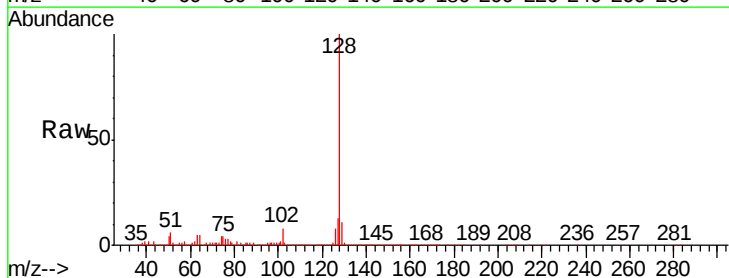
Tgt Ion:128 Resp: 442821

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

