

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW110418\  
 Data File : VW006621.D  
 Acq On : 02 Nov 2018 23:53  
 Operator : SY/AP  
 Sample : J5741-35  
 Misc : 6.12G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

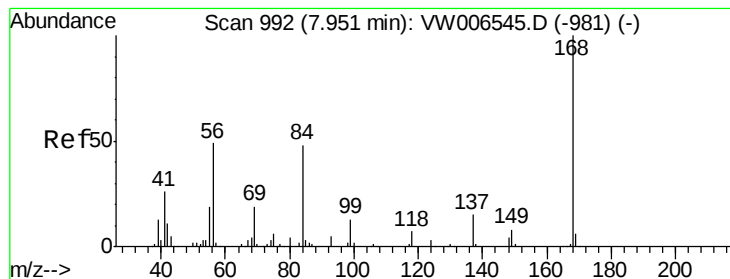
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-9

Quant Time: Nov 03 00:28:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W110218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 01 03:48:08 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.95  | 168  | 203346   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.85  | 114  | 330467   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.63 | 117  | 319943   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.57 | 152  | 168706   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.30  | 65   | 97503    | 55.78     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 111.56% |          |
| 35) Dibromofluoromethane       | 7.89  | 113  | 94036    | 45.34     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 90.68%  |          |
| 50) Toluene-d8                 | 10.33 | 98   | 312072   | 39.53     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 79.06%  |          |
| 62) 4-Bromofluorobenzene       | 12.62 | 95   | 113027   | 39.49     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 78.98%  |          |
| Target Compounds               |       |      |          |           |         |          |
|                                |       |      |          |           | Qvalue  |          |
| 11) Tert butyl alcohol         | 5.16  | 59   | 257      | 2.729     | ug/l #  | 84       |
| 16) Acetone                    | 4.12  | 43   | 6910     | 24.486    | ug/l #  | 87       |
| 20) Methylene Chloride         | 4.90  | 84   | 7192     | Below Cal |         | 94       |
| 31) Cyclohexane                | 7.95  | 56   | 3484     | 1.251     | ug/l #  | 1        |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 12481    | 4.295     | ug/l #  | 47       |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 17223    | 5.672     | ug/l #  | 17       |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 56592    | 42.994    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 56592    | 108.077   | ug/l #  | 11       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006621.D

Acq: 02 Nov 2018 23:53

Instrument :

MSVOA\_W

ClientSampled :

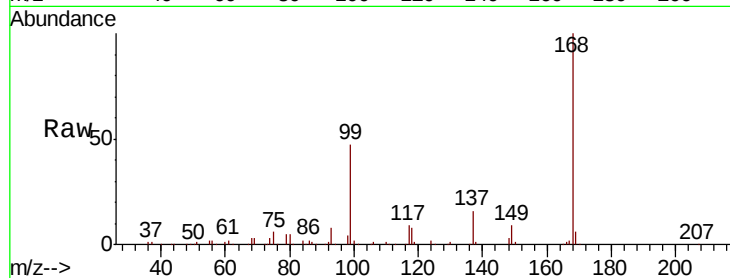
TP-9

Tgt Ion:168 Resp: 203346

Ion Ratio Lower Upper

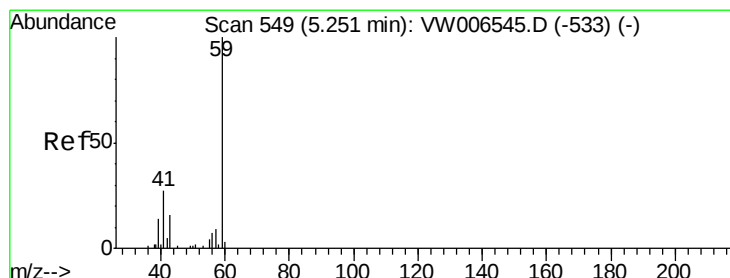
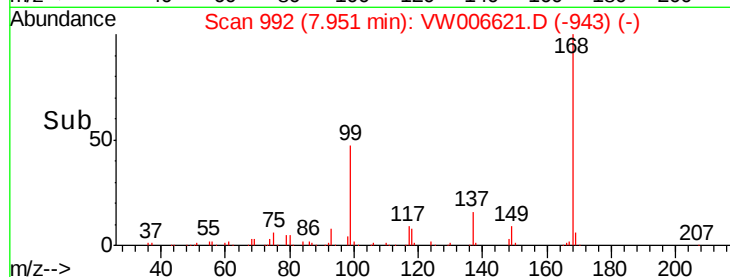
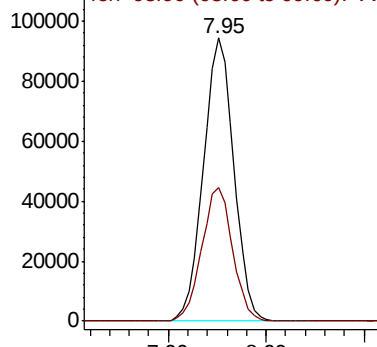
168 100

99 47.3 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.729 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.09 min

Lab File: VW006621.D

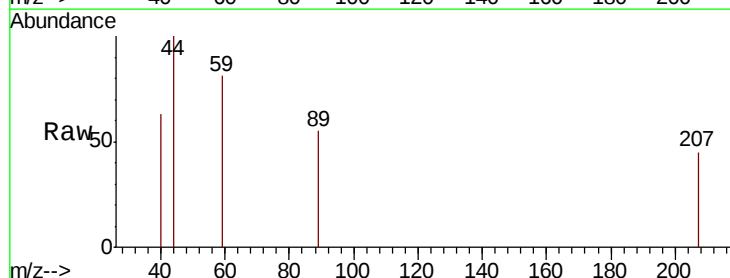
Acq: 02 Nov 2018 23:53

Tgt Ion: 59 Resp: 257

Ion Ratio Lower Upper

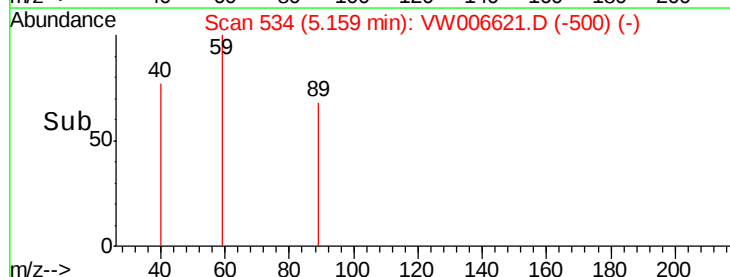
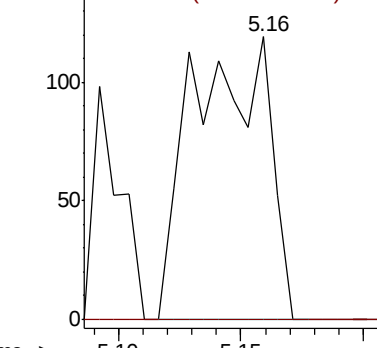
59 100

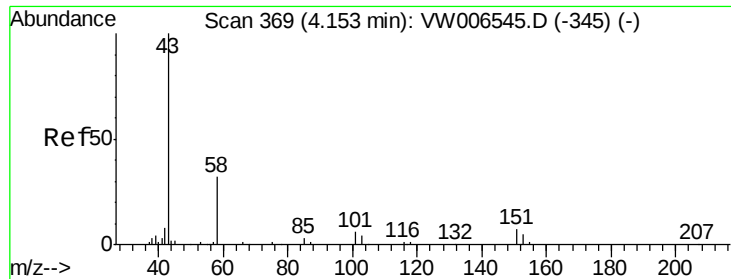
57 0.0 4.3 6.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 24.486 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.03 min

Lab File: VW006621.D

Acq: 02 Nov 2018 23:53

Instrument :

MSVOA\_W

ClientSampleId :

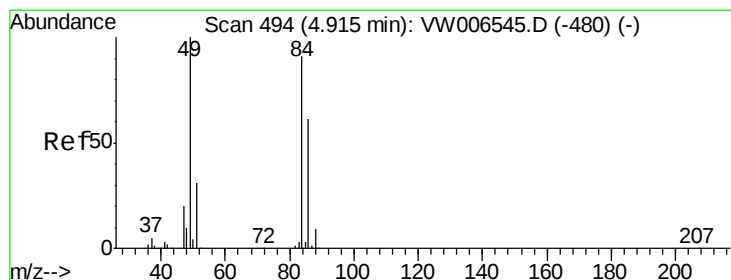
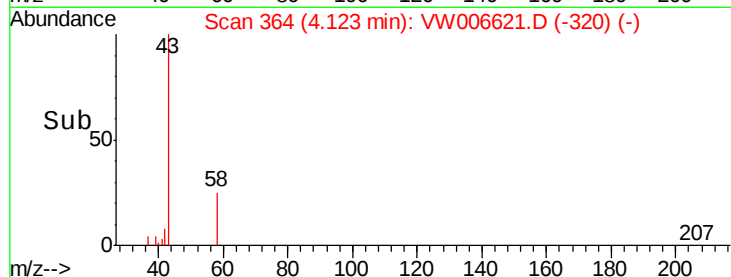
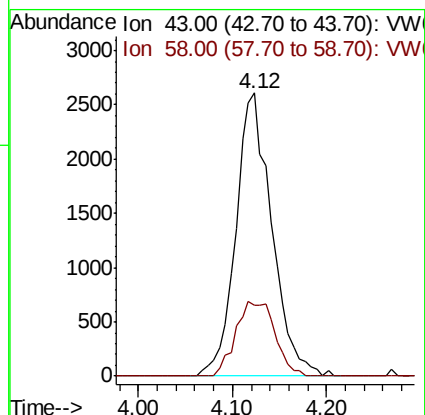
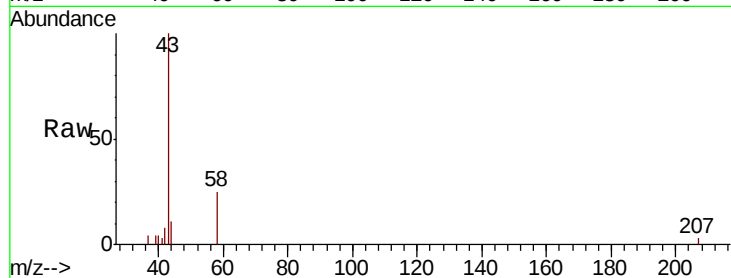
TP-9

Tgt Ion: 43 Resp: 6910

Ion Ratio Lower Upper

43 100

58 25.3 25.8 38.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW006621.D

Acq: 02 Nov 2018 23:53

Tgt Ion: 84 Resp: 7192

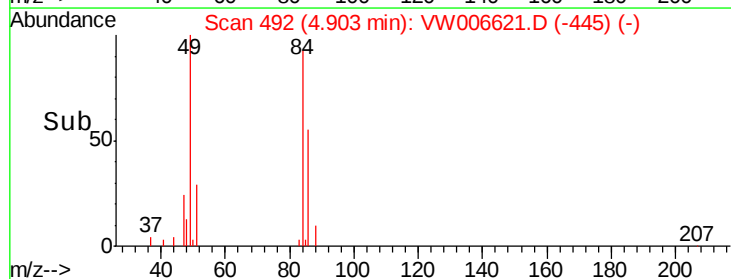
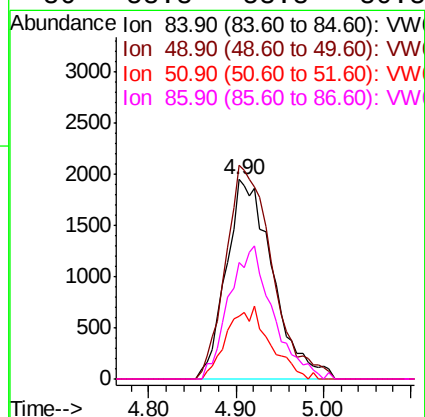
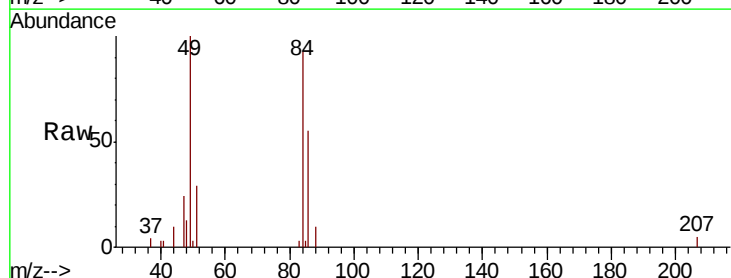
Ion Ratio Lower Upper

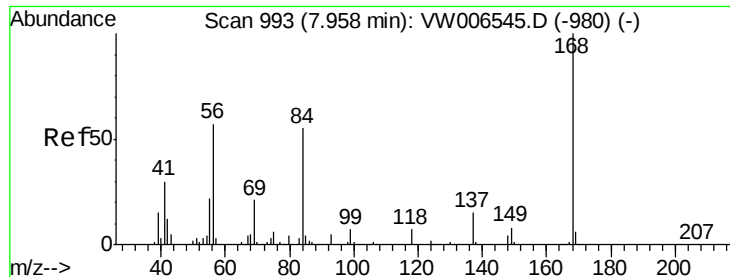
84 100

49 107.2 88.2 132.4

51 31.3 27.0 40.6

86 58.8 53.8 80.8

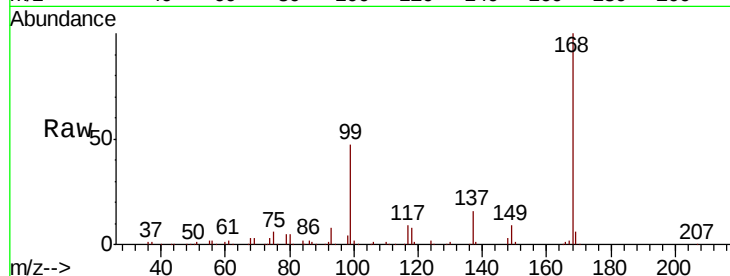




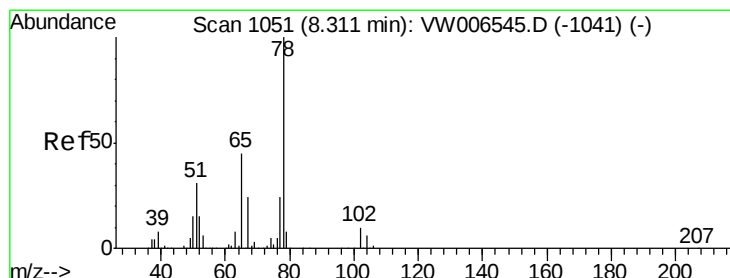
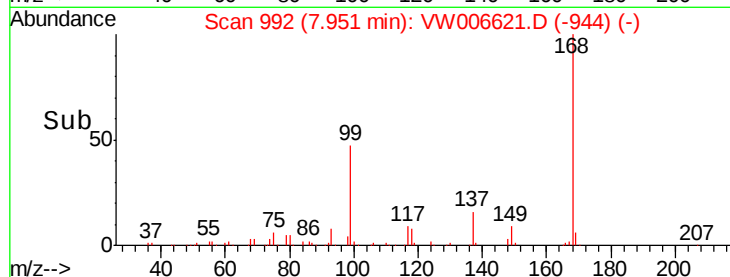
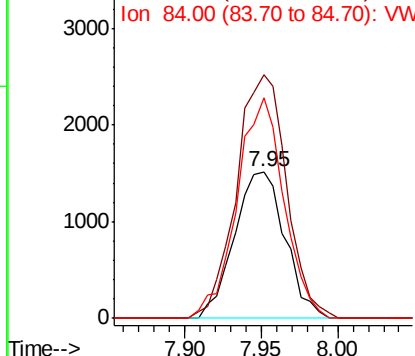
#31  
Cyclohexane  
Concen: 1.251 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: VW006621.D  
Acq: 02 Nov 2018 23:53

Instrument :  
MSVOA\_W  
ClientSampleId :  
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Tgt Ion: 56 Resp: 3484  
Ion Ratio Lower Upper  
56 100  
69 166.0 29.0 43.4#  
84 159.4 77.8 116.6#

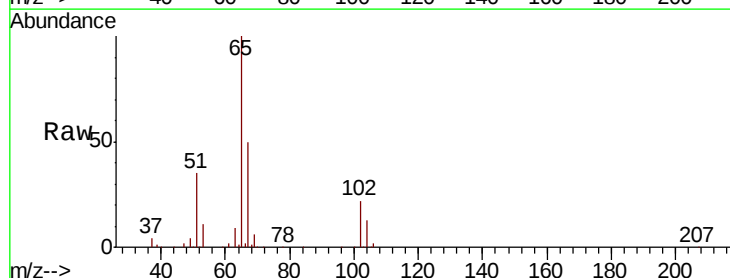


Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

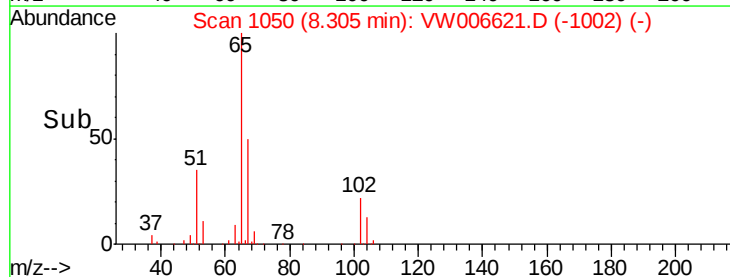
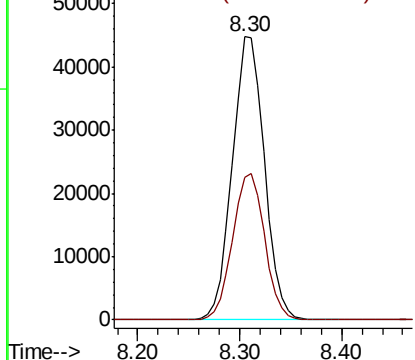


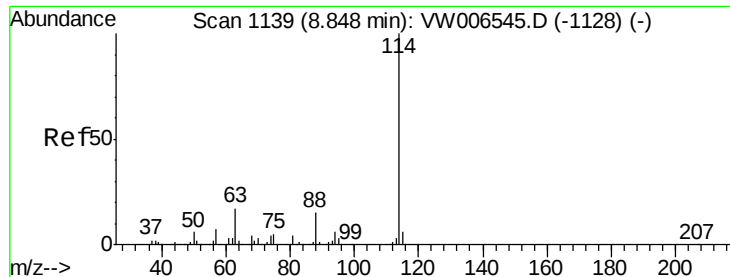
#33  
1,2-Dichloroethane-d4  
Concen: 55.781 ug/l  
RT: 8.30 min Scan# 1050  
Delta R.T. -0.01 min  
Lab File: VW006621.D  
Acq: 02 Nov 2018 23:53

Tgt Ion: 65 Resp: 97503  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW  
Ion 66.90 (66.60 to 67.60): VW

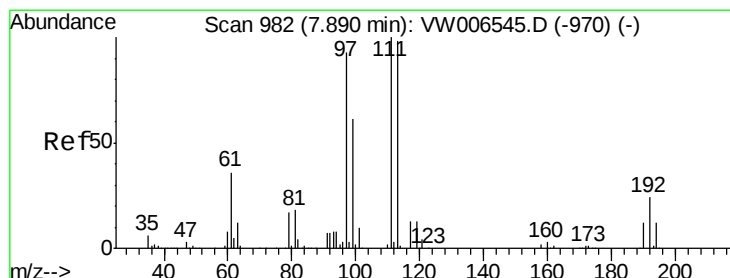
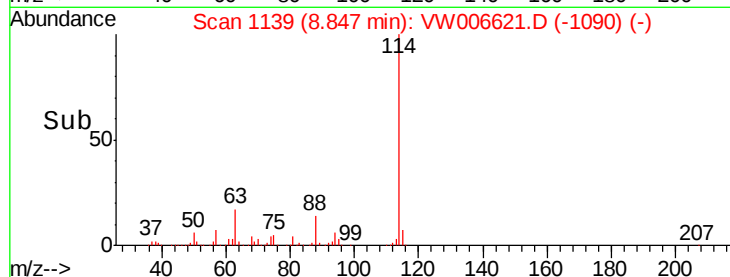
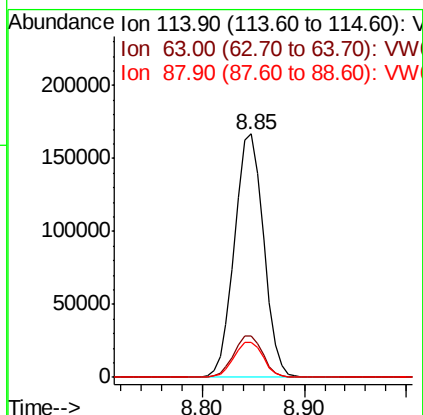
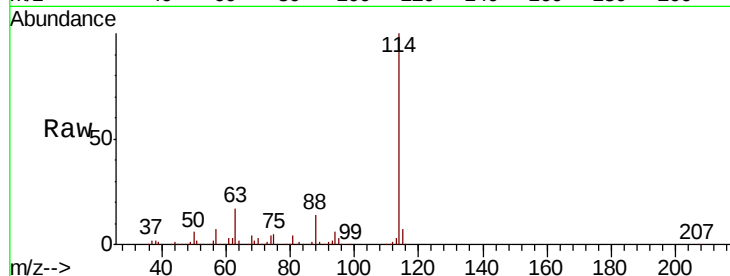




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW006621.D  
 Acq: 02 Nov 2018 23:53

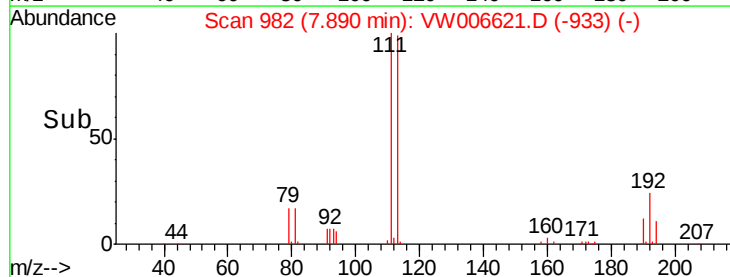
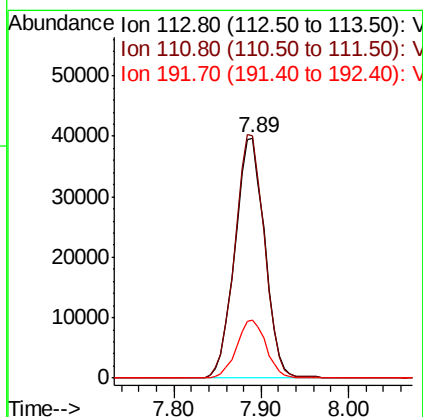
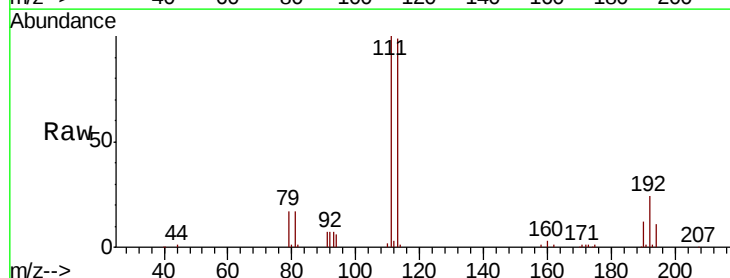
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-9

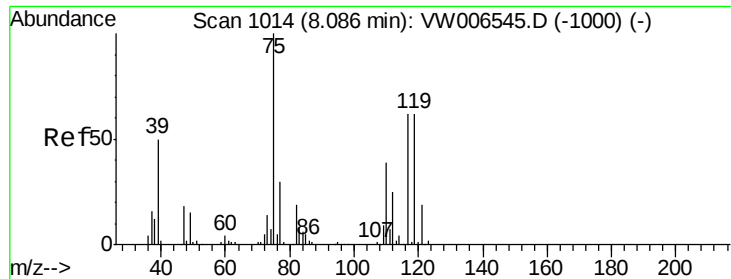
Tgt Ion:114 Resp: 330467  
 Ion Ratio Lower Upper  
 114 100  
 63 16.8 0.0 34.4  
 88 14.3 0.0 29.0



#35  
 Dibromofluoromethane  
 Concen: 45.342 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW006621.D  
 Acq: 02 Nov 2018 23:53

Tgt Ion:113 Resp: 94036  
 Ion Ratio Lower Upper  
 113 100  
 111 100.6 82.2 123.2  
 192 23.9 19.0 28.6

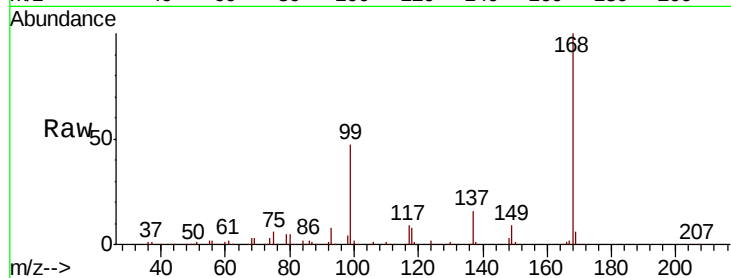




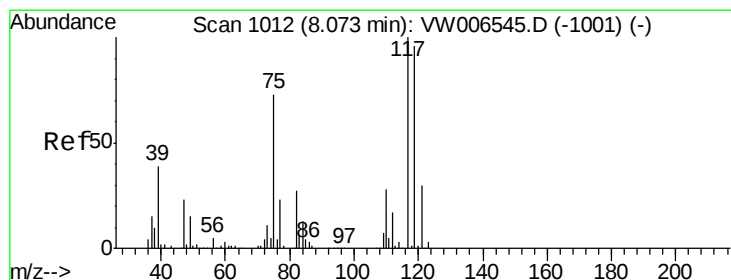
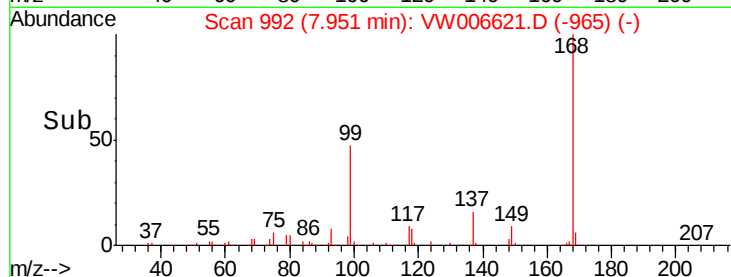
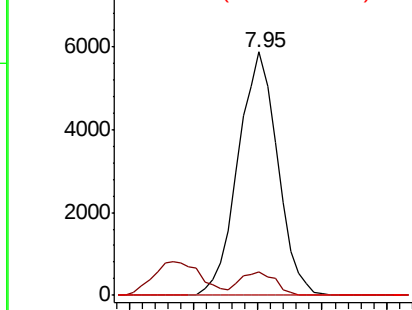
#36  
 1,1-Dichloropropene  
 Concen: 4.295 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.13 min  
 Lab File: VW006621.D  
 Acq: 02 Nov 2018 23:53

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-9

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.6   | 19.5  | 58.5# |
| 77      | 0.0   | 24.6  | 37.0# |

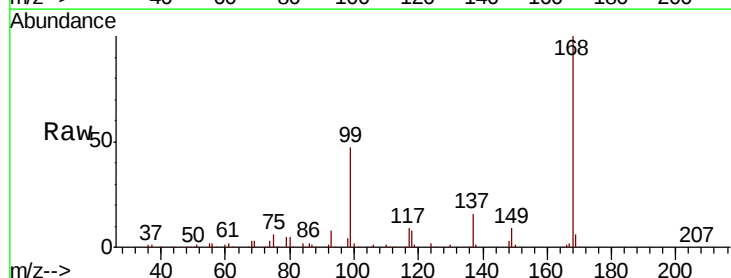


Abundance Ion 74.90 (74.60 to 75.60): VW  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VW

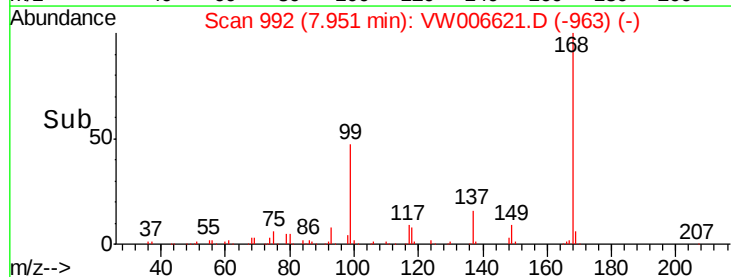
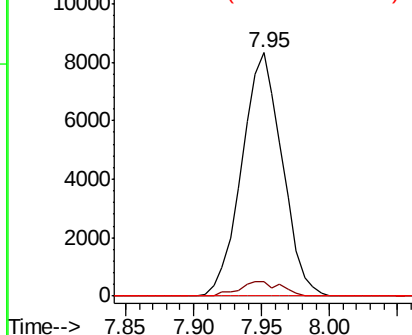


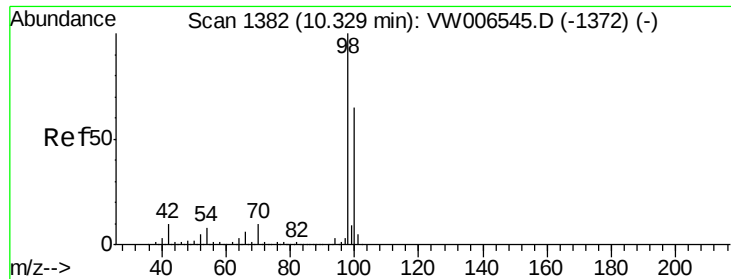
#38  
 Carbon Tetrachloride  
 Concen: 5.672 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.12 min  
 Lab File: VW006621.D  
 Acq: 02 Nov 2018 23:53

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.9   | 76.3  | 114.5# |
| 121     | 0.0   | 24.1  | 36.1#  |



Abundance Ion 116.80 (116.50 to 117.50): V  
 Ion 118.80 (118.50 to 119.50): V  
 Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 39.527 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006621.D

Acq: 02 Nov 2018 23:53

Instrument :

MSVOA\_W

ClientSampleId :

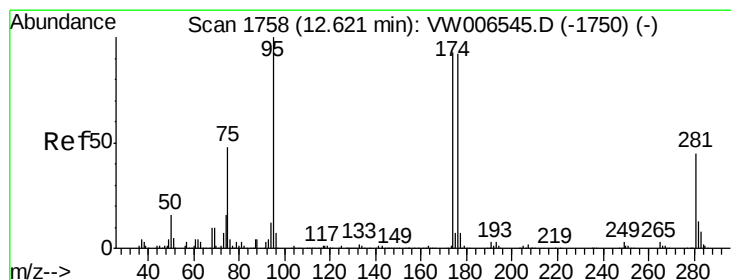
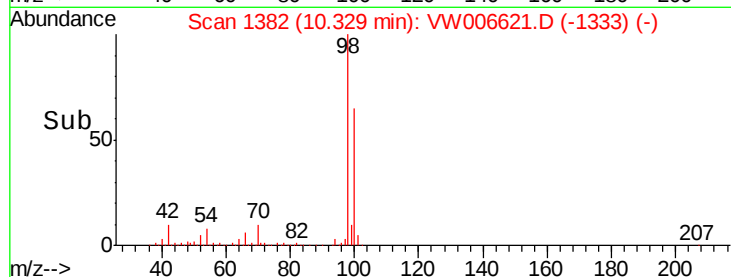
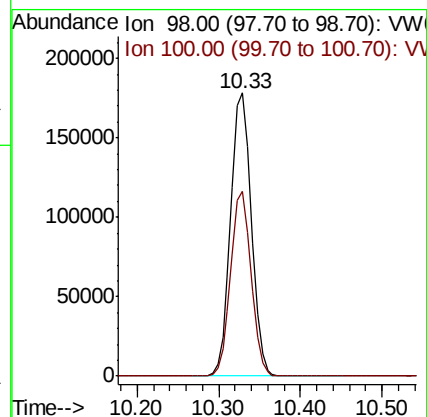
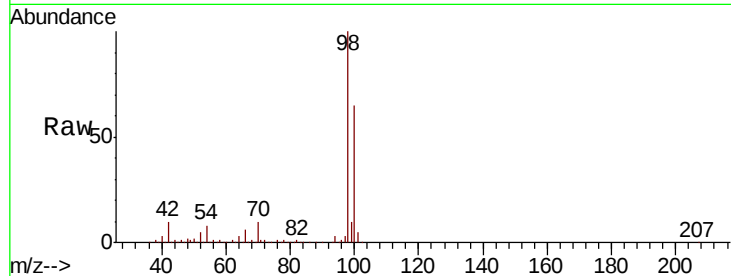
TP-9

Tgt Ion: 98 Resp: 312072

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 39.488 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006621.D

Acq: 02 Nov 2018 23:53

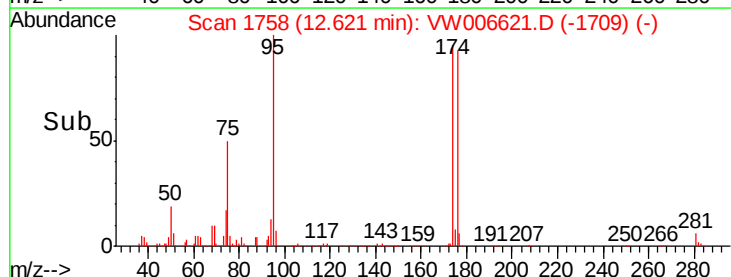
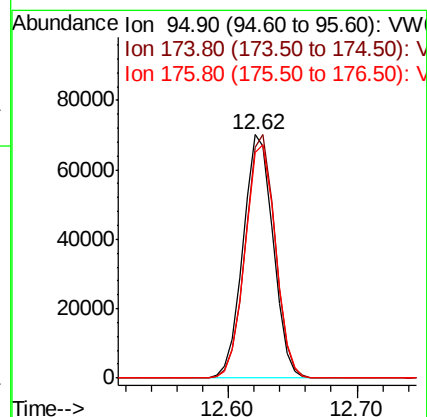
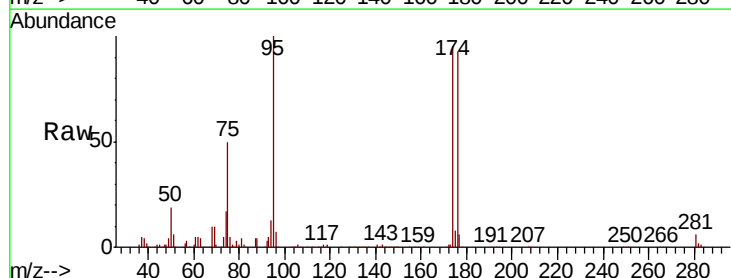
Tgt Ion: 95 Resp: 113027

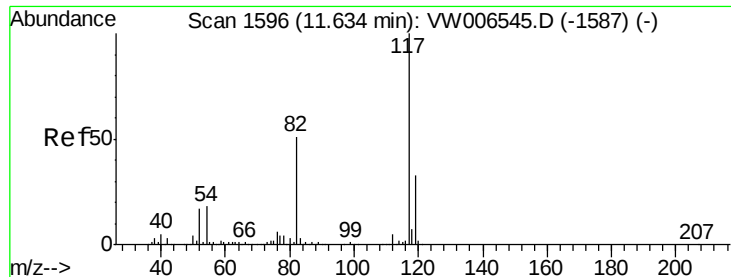
Ion Ratio Lower Upper

95 100

174 98.5 0.0 192.4

176 96.7 0.0 187.4

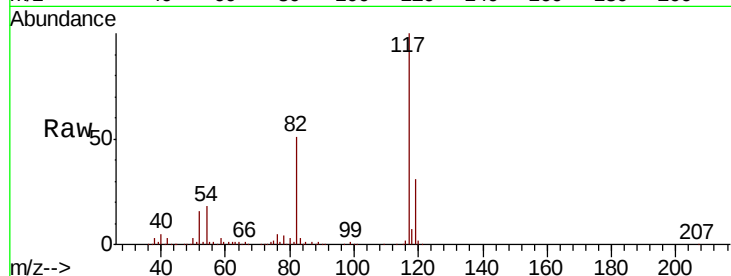




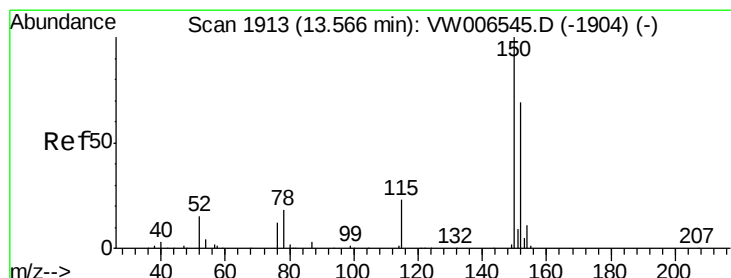
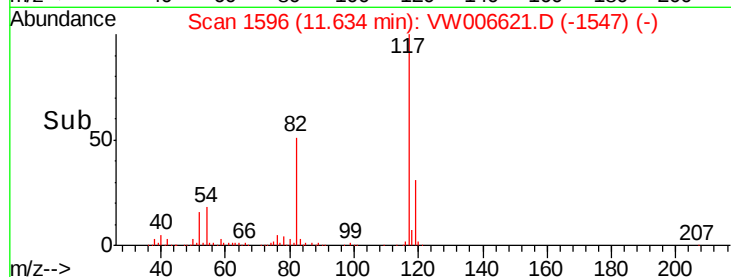
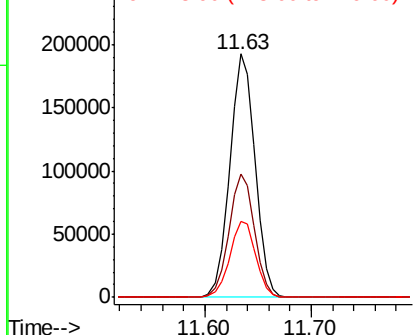
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006621.D  
Acq: 02 Nov 2018 23:53

Instrument :  
MSVOA\_W  
ClientSampled :  
TP-9

Tgt Ion:117 Resp: 319943  
Ion Ratio Lower Upper  
117 100  
82 50.7 40.8 61.2  
119 31.4 26.1 39.1

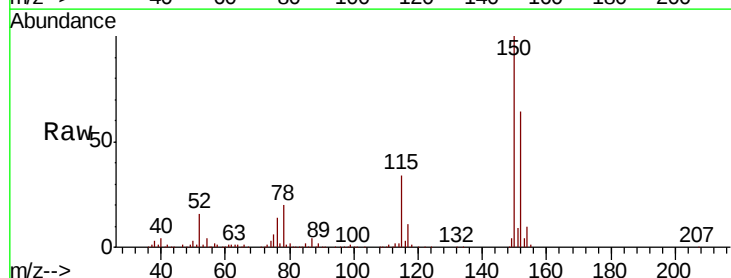


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

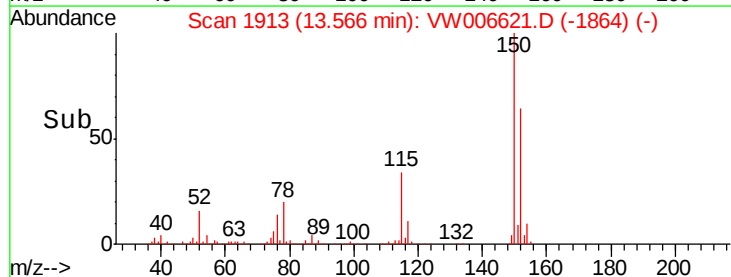
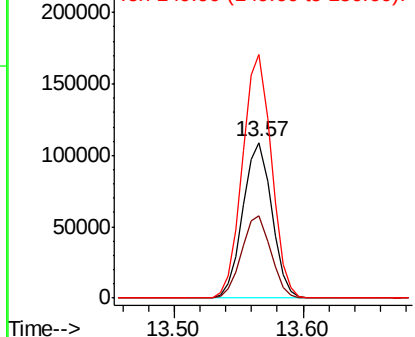


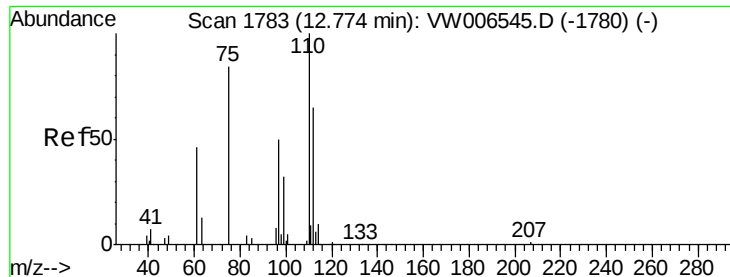
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW006621.D  
Acq: 02 Nov 2018 23:53

Tgt Ion:152 Resp: 168706  
Ion Ratio Lower Upper  
152 100  
115 53.6 26.6 79.8  
150 157.2 0.0 344.6



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





#76

1,2,3-Trichloropropane

Concen: 42.994 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006621.D

Acq: 02 Nov 2018 23:53

Instrument :

MSVOA\_W

ClientSampleId :

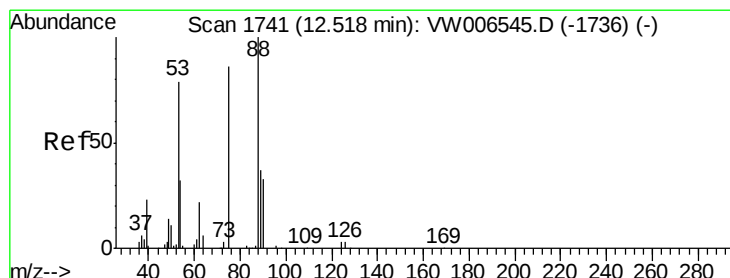
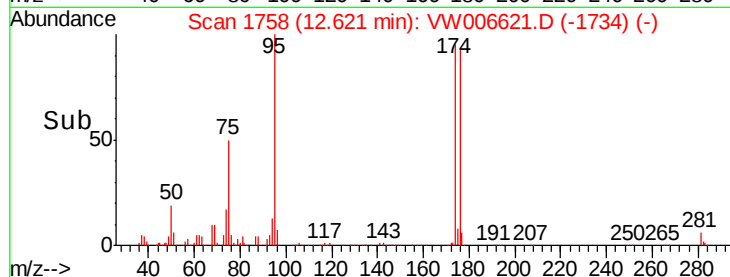
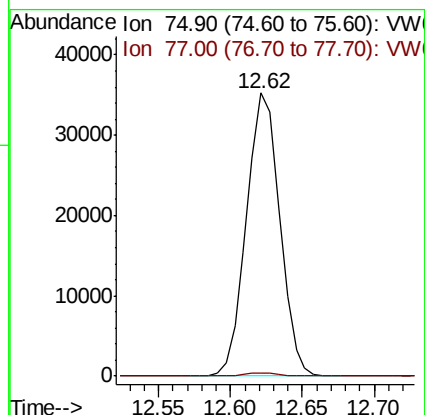
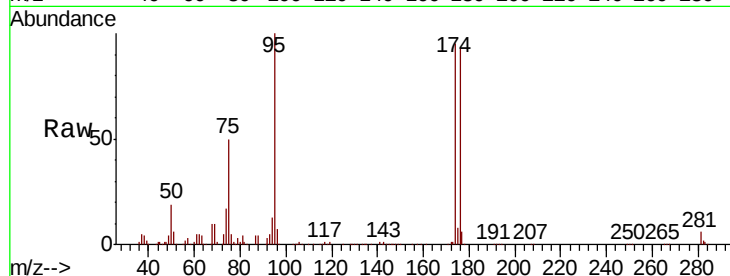
TP-9

Tgt Ion: 75 Resp: 56592

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.077 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006621.D

Acq: 02 Nov 2018 23:53

Tgt Ion: 75 Resp: 56592

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.0 38.6 58.0#

