

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW121718\  
 Data File : VW007555.D  
 Acq On : 15 Dec 2018 01:56  
 Operator : SY/AP  
 Sample : J6391-14  
 Misc : 4.67G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P001-SS017-1218-01

Quant Time: Dec 15 03:57:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Dec 15 03:35:28 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 44597    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 71194    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 55784    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 20155    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 21511    | 43.48 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.96% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 20031    | 46.48 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.96% |          |
| 50) Toluene-d8              | 10.32 | 98   | 68747    | 42.54 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 85.08% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 21136    | 35.58 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 71.16% |          |

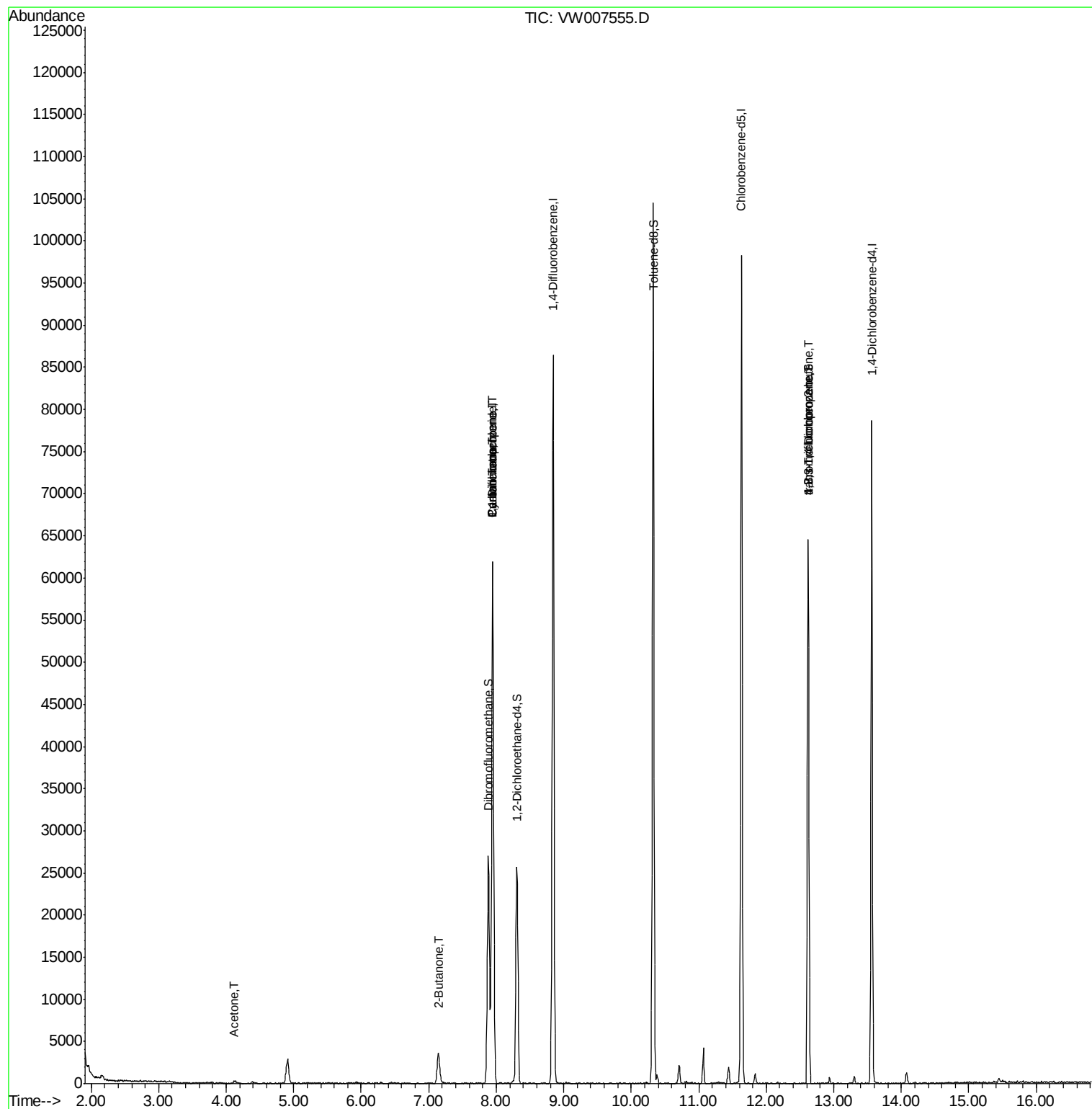
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 16) Acetone                    | 4.11  | 43   | 666      | 7.706   | ug/l # | 44     |
| 25) 2-Butanone                 | 7.15  | 43   | 161      | 1.427   | ug/l # | 45     |
| 31) Cyclohexane                | 7.95  | 56   | 854      | 1.111   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 3468     | 5.340   | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 4751     | 6.723   | ug/l # | 18     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 10453    | 62.900  | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 10453    | 138.947 | ug/l # | 7      |

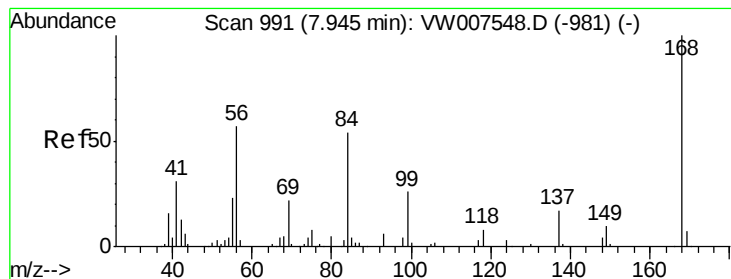
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW121718\  
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P001-SS017-1218-01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
Quant Title : SW846 8260  
QLast Update : Sat Dec 15 03:35:28 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007555.D

Acq: 15 Dec 2018 01:56

Instrument :

BNA\_G

ClientSampleId :

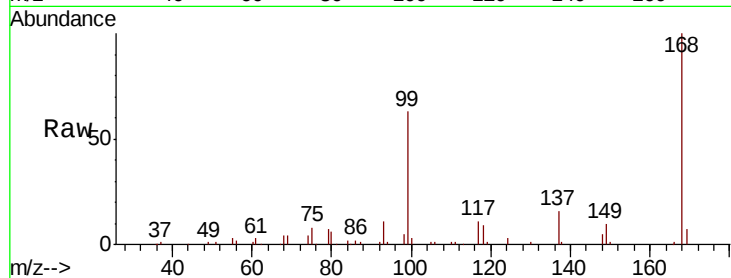
P001-SS017-1218-01

Tgt Ion:168 Resp: 44597

Ion Ratio Lower Upper

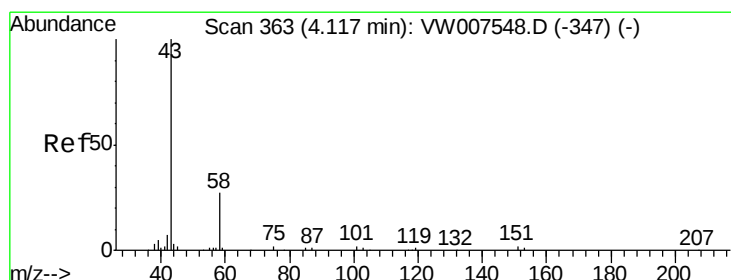
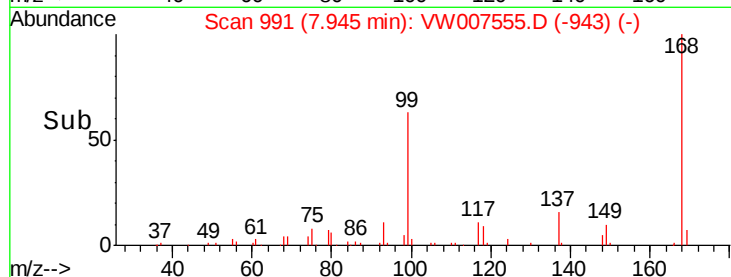
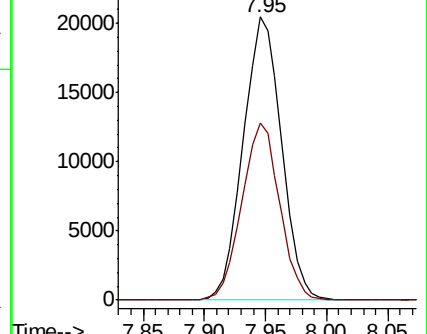
168 100

99 62.5 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 7.706 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW007555.D

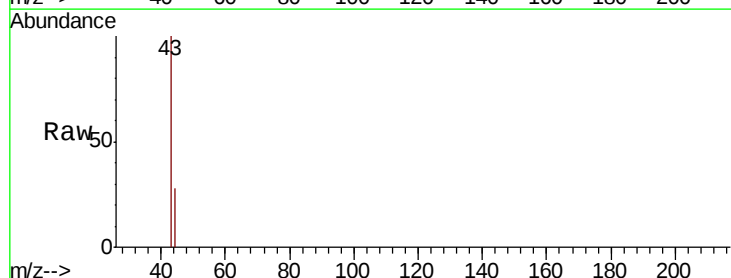
Acq: 15 Dec 2018 01:56

Tgt Ion: 43 Resp: 666

Ion Ratio Lower Upper

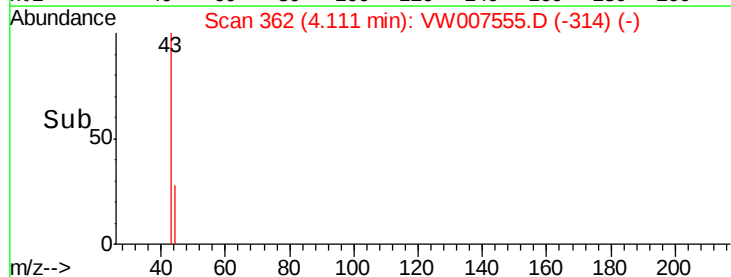
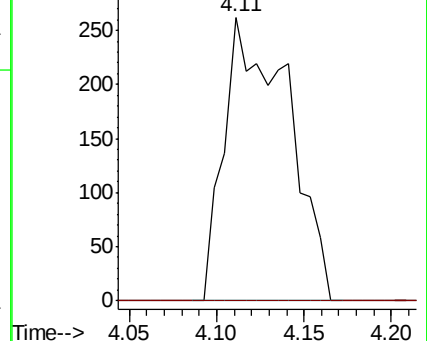
43 100

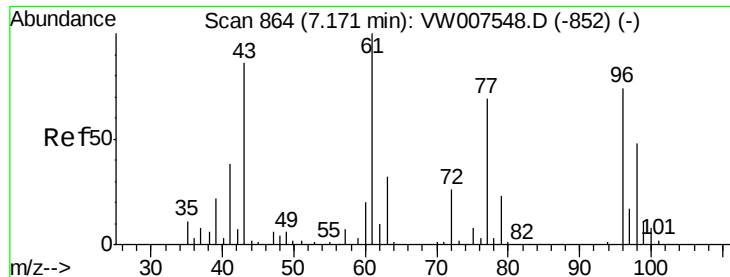
58 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

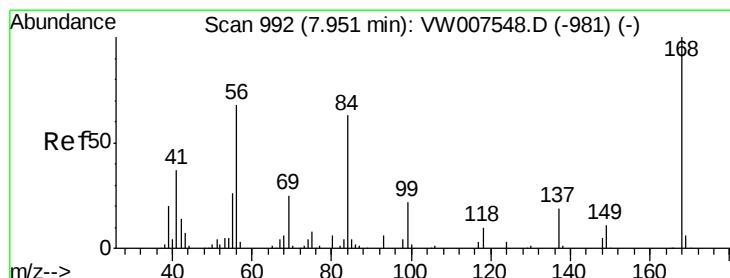
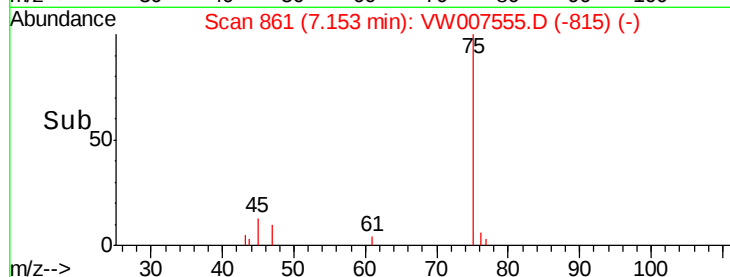
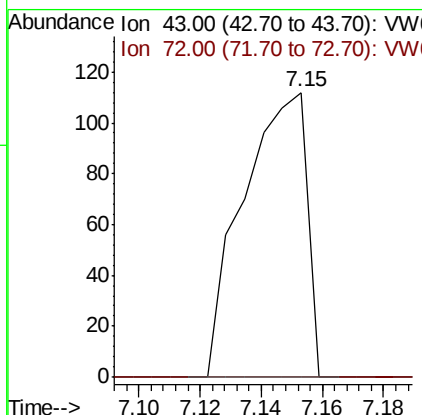
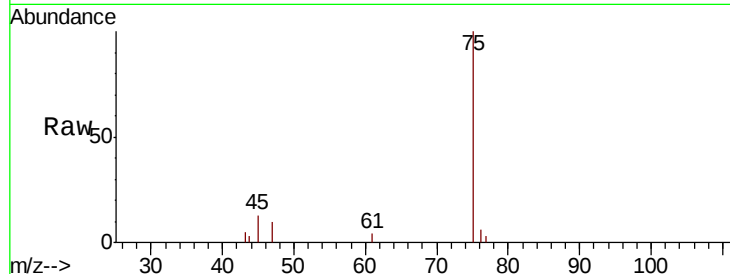




#25  
 2-Butanone  
 Concen: 1.427 ug/l  
 RT: 7.15 min Scan# 861  
 Delta R.T. -0.02 min  
 Lab File: VW007555.D  
 Acq: 15 Dec 2018 01:56

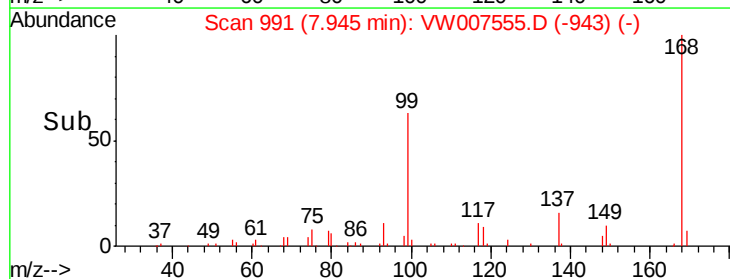
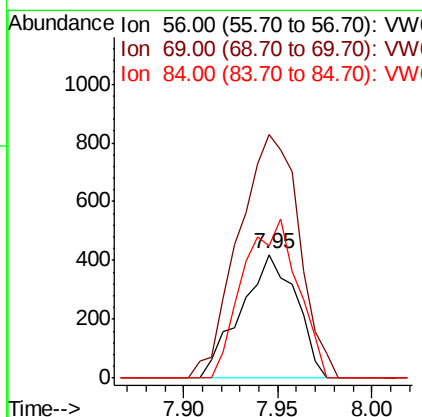
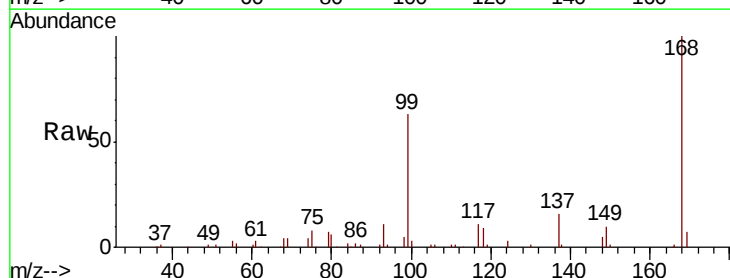
Instrument :  
 BNA\_G  
 ClientSampleId :  
 P001-SS017-1218-01

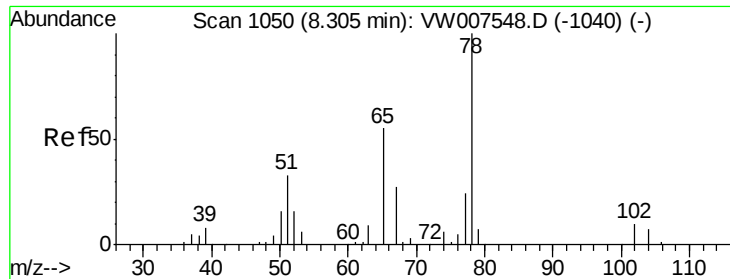
Tgt Ion: 43 Resp: 161  
 Ion Ratio Lower Upper  
 43 100  
 72 0.0 23.4 35.2#



#31  
 Cyclohexane  
 Concen: 1.111 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.01 min  
 Lab File: VW007555.D  
 Acq: 15 Dec 2018 01:56

Tgt Ion: 56 Resp: 854  
 Ion Ratio Lower Upper  
 56 100  
 69 197.1 28.9 43.3#  
 84 121.2 71.8 107.6#

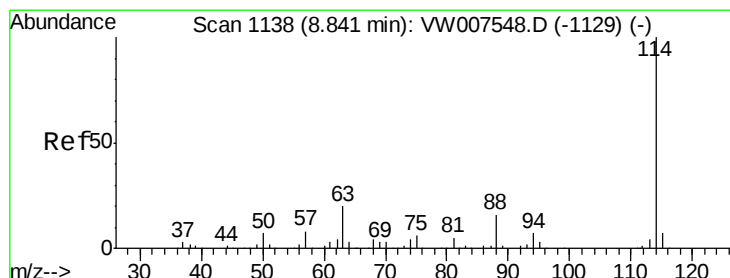
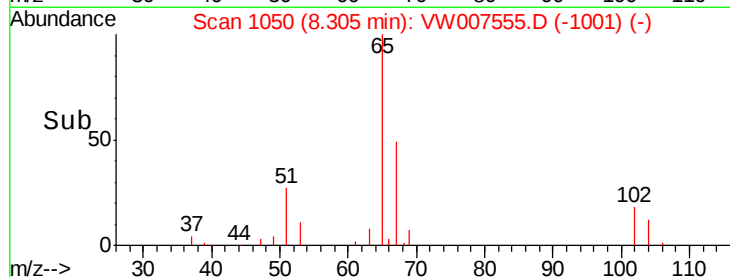
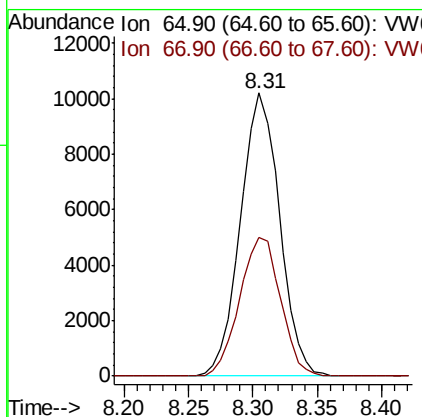
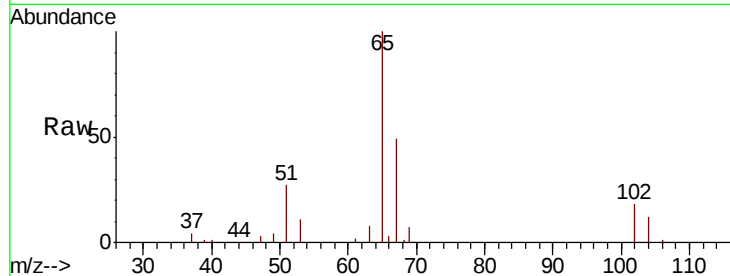




#33  
 1,2-Dichloroethane-d4  
 Concen: 43.477 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW007555.D  
 Acq: 15 Dec 2018 01:56

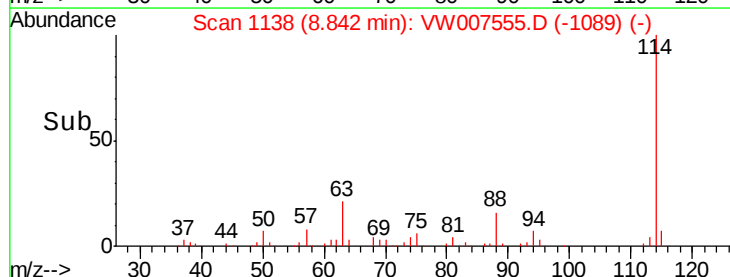
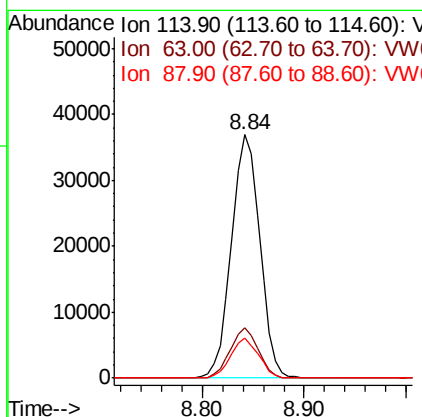
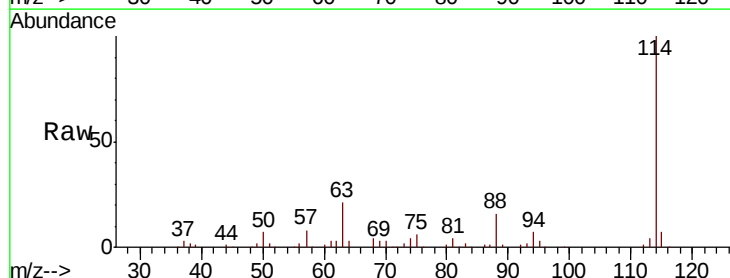
Instrument :  
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 ClientSampleId :  
 P001-SS017-1218-01

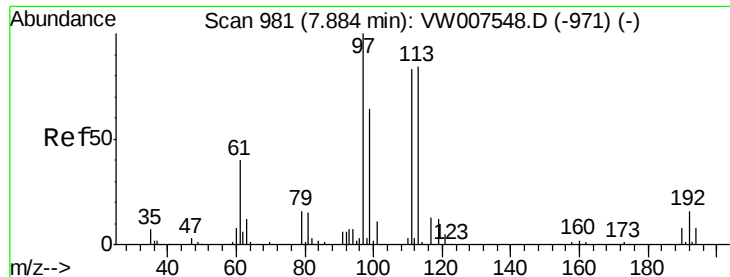
Tgt Ion: 65 Resp: 21511  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW007555.D  
 Acq: 15 Dec 2018 01:56

Tgt Ion: 114 Resp: 71194  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 39.6  
 88 16.4 0.0 31.4

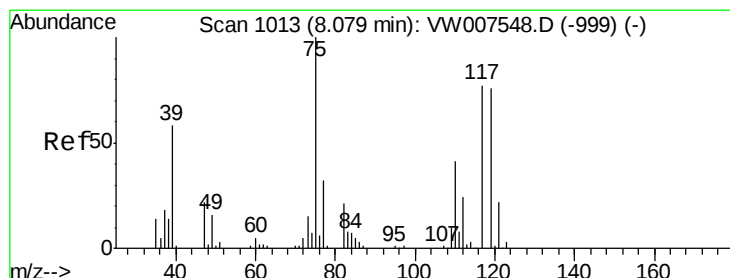
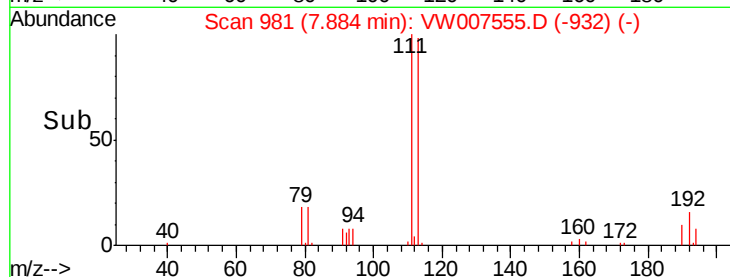
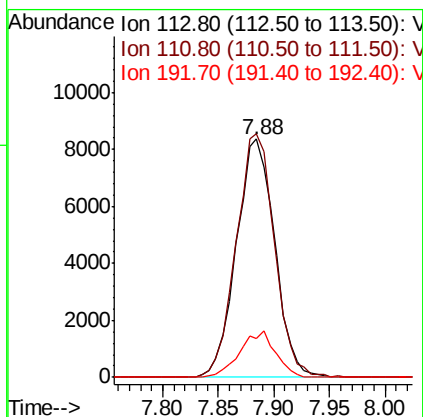
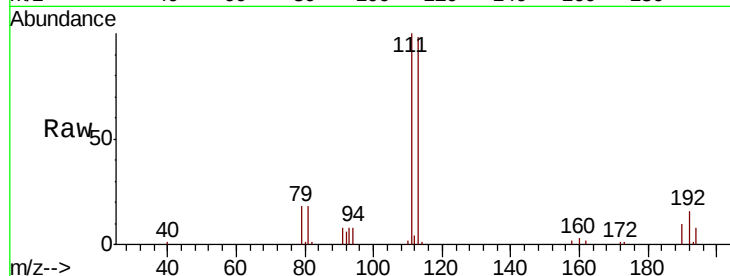




#35  
 Dibromofluoromethane  
 Concen: 46.479 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW007555.D  
 Acq: 15 Dec 2018 01:56

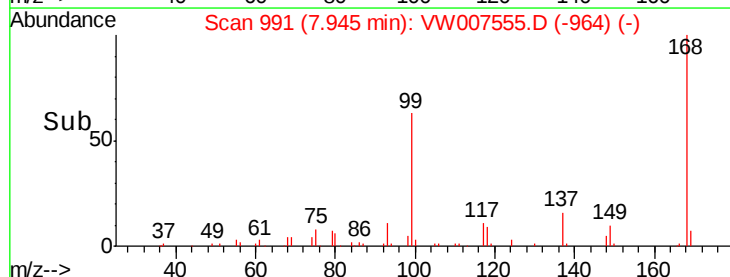
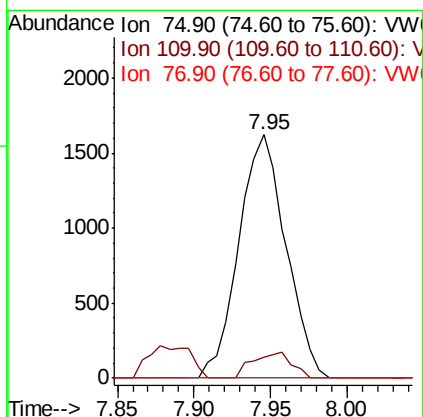
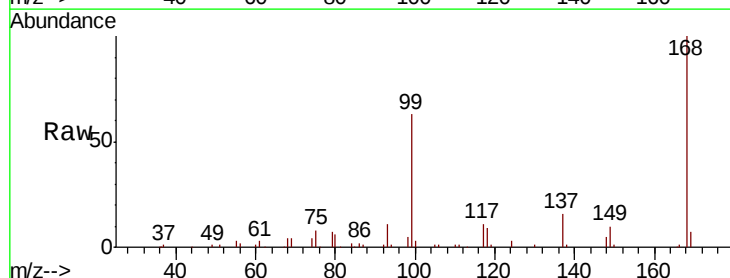
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 ClientSampleId :  
 P001-SS017-1218-01

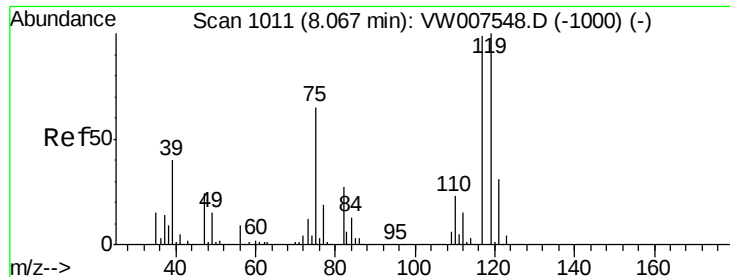
Tgt Ion: 113 Resp: 20031  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 81.1 121.7  
 192 18.0 14.6 21.8



#36  
 1,1-Dichloropropene  
 Concen: 5.340 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.13 min  
 Lab File: VW007555.D  
 Acq: 15 Dec 2018 01:56

Tgt Ion: 75 Resp: 3468  
 Ion Ratio Lower Upper  
 75 100  
 110 8.8 18.5 55.5#  
 77 0.0 25.6 38.4#

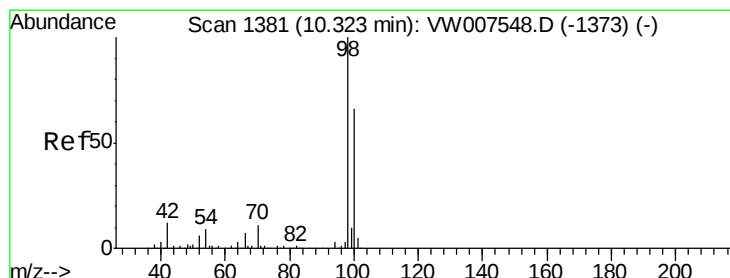
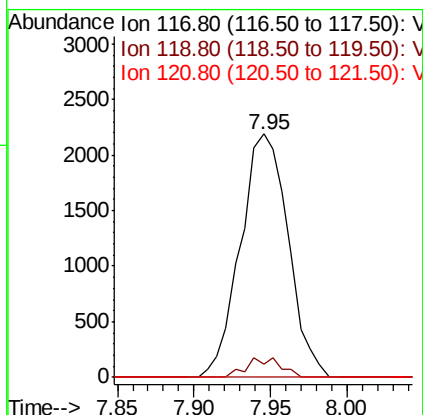
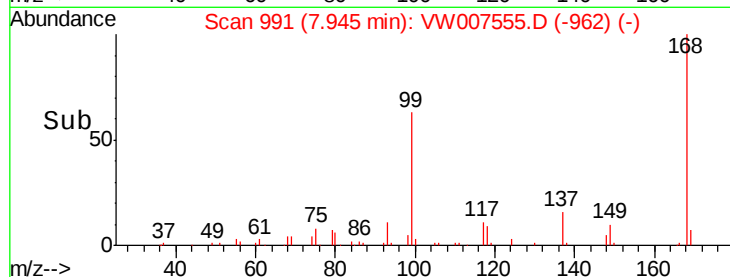
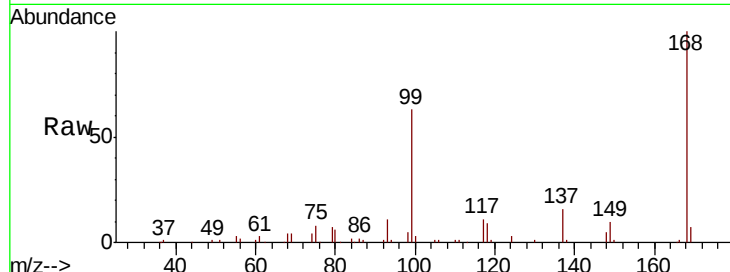




#38  
Carbon Tetrachloride  
Concen: 6.723 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.12 min  
Lab File: VW007555.D  
Acq: 15 Dec 2018 01:56

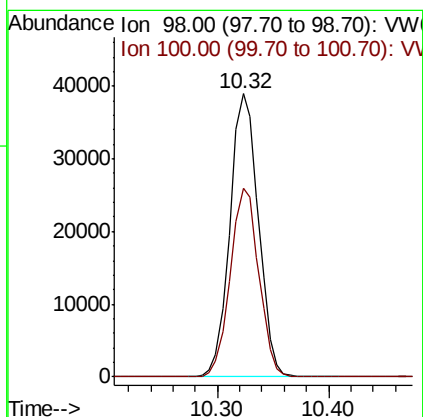
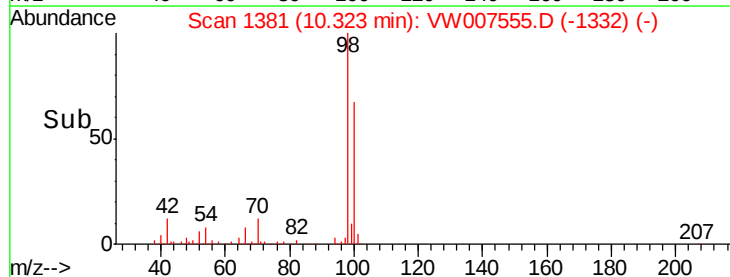
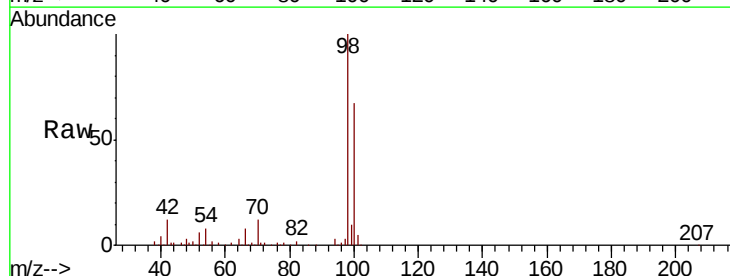
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P001-SS017-1218-01

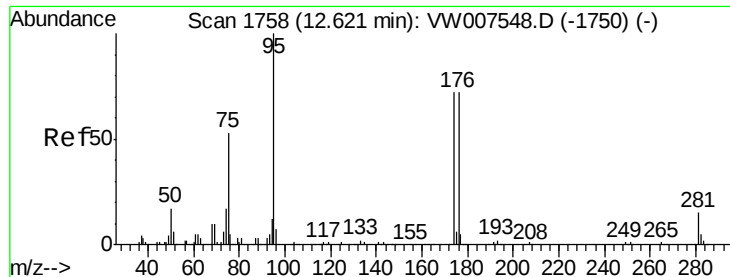
Tgt Ion: 117 Resp: 4751  
Ion Ratio Lower Upper  
117 100  
119 5.5 74.3 111.5#  
121 0.0 24.3 36.5#



#50  
Toluene-d8  
Concen: 42.545 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW007555.D  
Acq: 15 Dec 2018 01:56

Tgt Ion: 98 Resp: 68747  
Ion Ratio Lower Upper  
98 100  
100 66.7 51.8 77.8

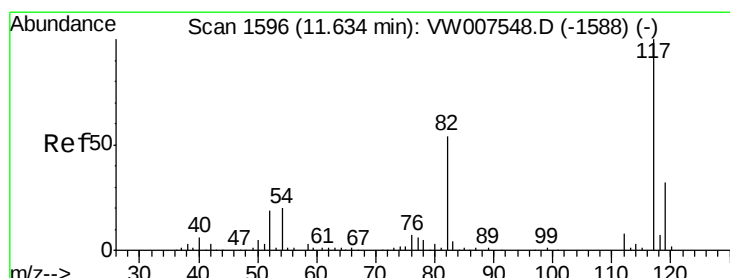
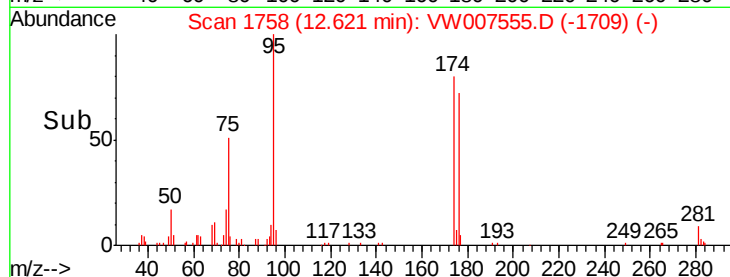
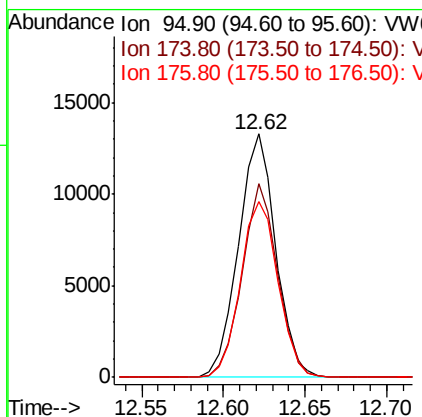
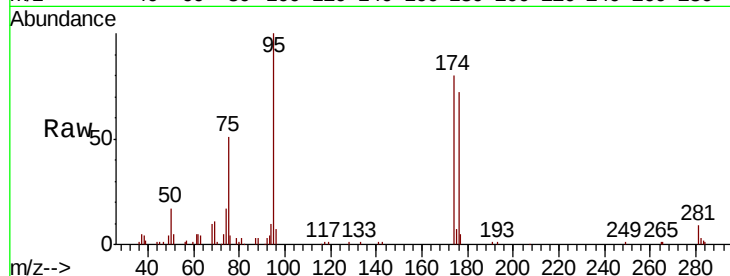




#62  
4-Bromofluorobenzene  
Concen: 35.575 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW007555.D  
Acq: 15 Dec 2018 01:56

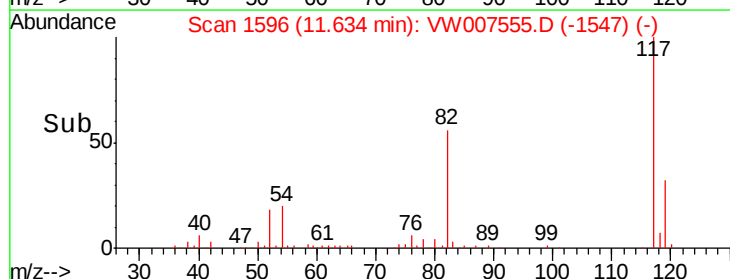
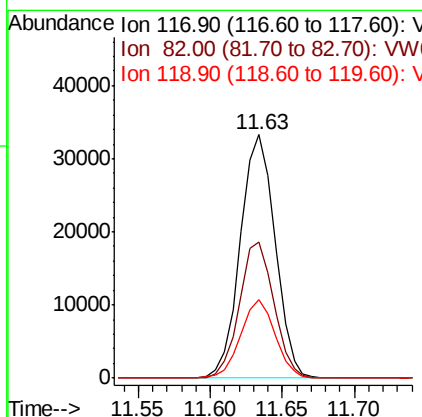
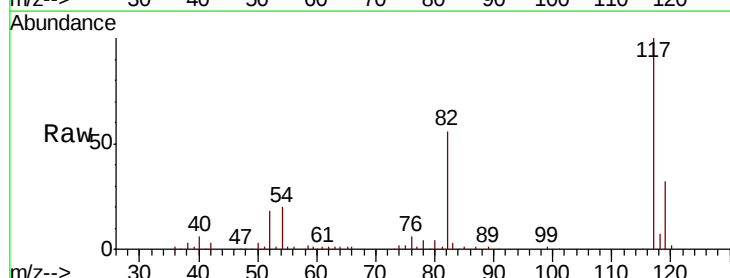
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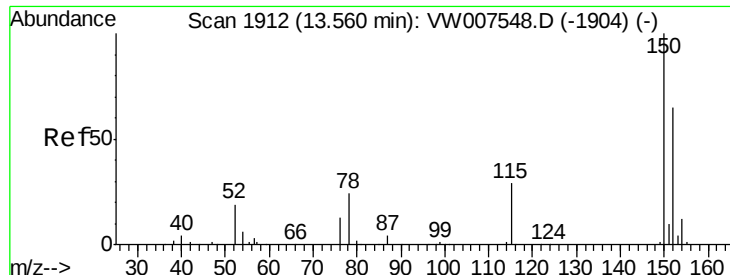
Tgt Ion: 95 Resp: 21136  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 147.2  
176 73.0 0.0 138.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW007555.D  
Acq: 15 Dec 2018 01:56

Tgt Ion: 117 Resp: 55784  
Ion Ratio Lower Upper  
117 100  
82 55.7 42.3 63.5  
119 32.3 23.0 34.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007555.D

Acq: 15 Dec 2018 01:56

Instrument :

BNA\_G

ClientSampleId :

P001-SS017-1218-01

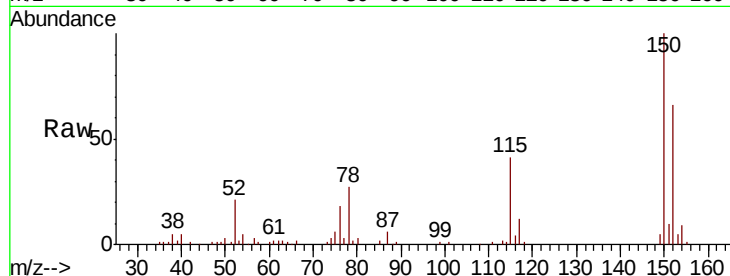
Tgt Ion:152 Resp: 20155

Ion Ratio Lower Upper

152 100

115 63.2 31.4 94.2

150 154.3 0.0 358.4

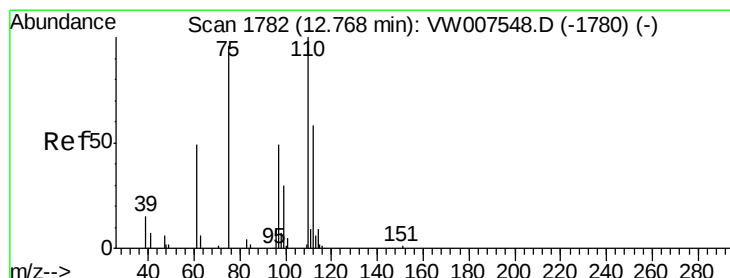
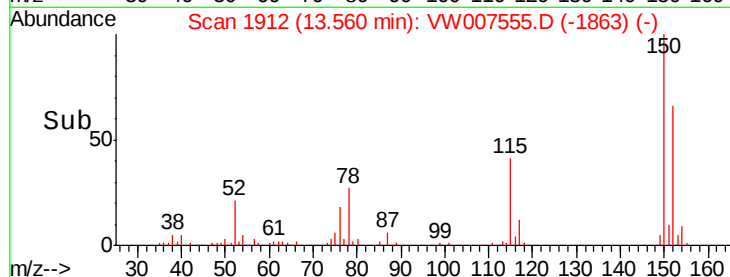
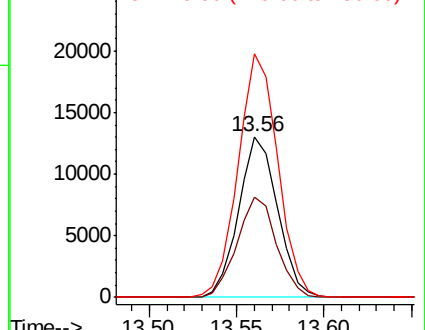


Abundance

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



#76

1,2,3-Trichloropropane

Concen: 62.900 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007555.D

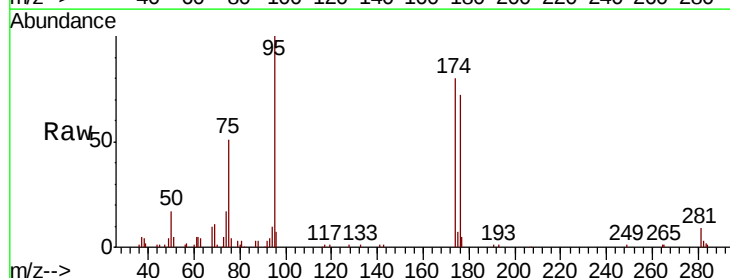
Acq: 15 Dec 2018 01:56

Tgt Ion: 75 Resp: 10453

Ion Ratio Lower Upper

75 100

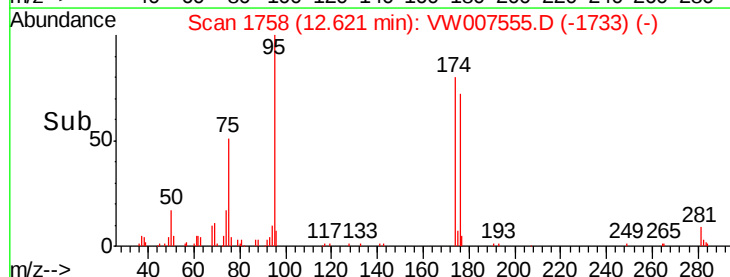
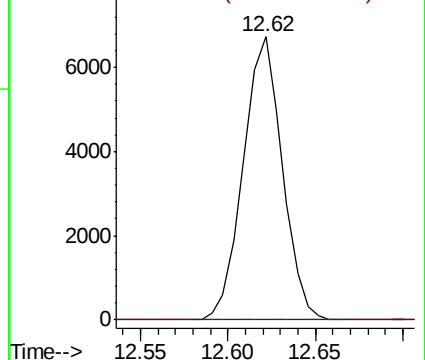
77 0.0 166.9 500.8#

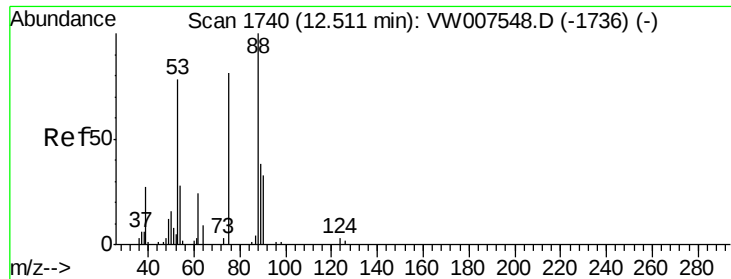


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 138.947 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007555.D

Acq: 15 Dec 2018 01:56

Instrument :

BNA\_G

ClientSampleId :

P001-SS017-1218-01

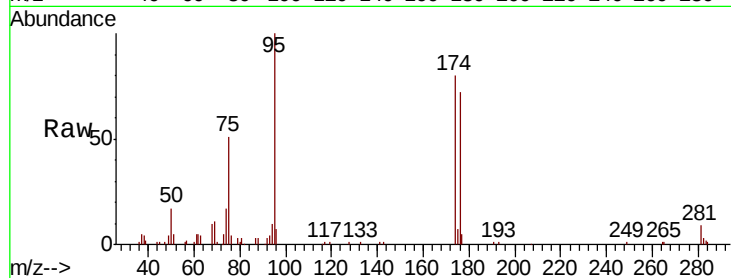
Tgt Ion: 75 Resp: 10453

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

