

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW121918\  
 Data File : VW007636.D  
 Acq On : 17 Dec 2018 17:15  
 Operator : SY/AP  
 Sample : J6378-18  
 Misc : 5.20G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS001-0612-01MS

Quant Time: Dec 18 07:45:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 11 02:58:16 2018  
 Response via : Initial Calibration

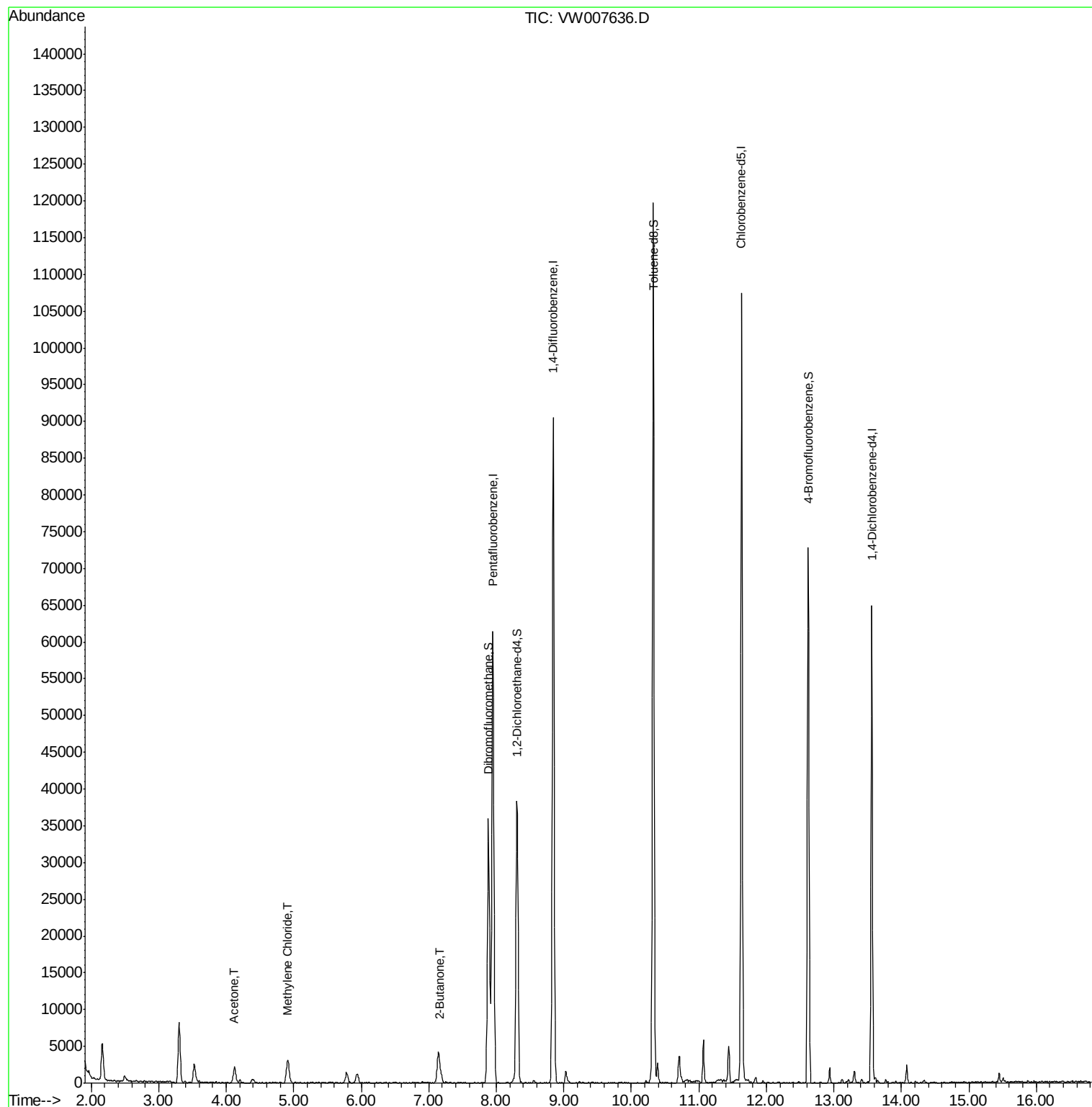
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 44382    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 76953    | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 60031    | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 17145    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 31476    | 63.93  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 127.86% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 26158    | 56.15  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.30% |          |
| 50) Toluene-d8              | 10.33 | 98   | 81251    | 46.52  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.04%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 22857    | 35.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 71.18%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 3896     | 45.300 | ug/l #  | 87       |
| 20) Methylene Chloride      | 4.92  | 84   | 2486     | 1.484  | ug/l #  | 87       |
| 25) 2-Butanone              | 7.17  | 43   | 1630     | 14.517 | ug/l #  | 89       |

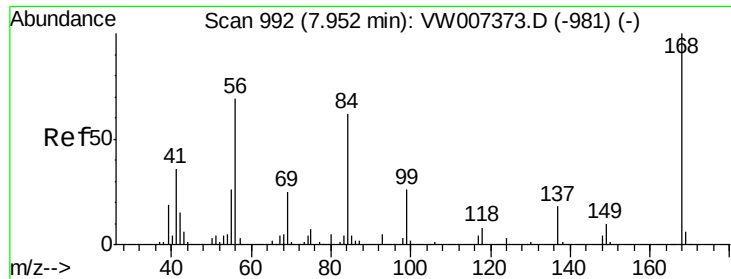
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Dec 11 02:58:16 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007636.D

Acq: 17 Dec 2018 17:15

Instrument :

MSVOA\_W

ClientSampleId :

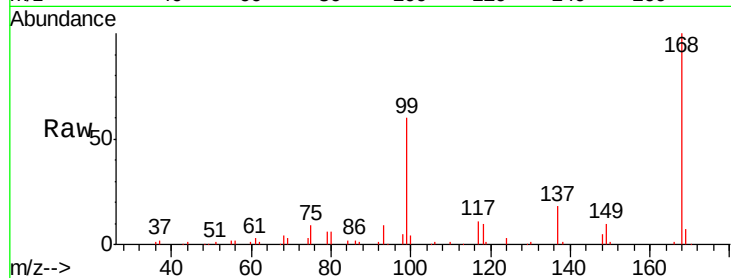
P001-SS001-0612-01MS

Tgt Ion:168 Resp: 44382

Ion Ratio Lower Upper

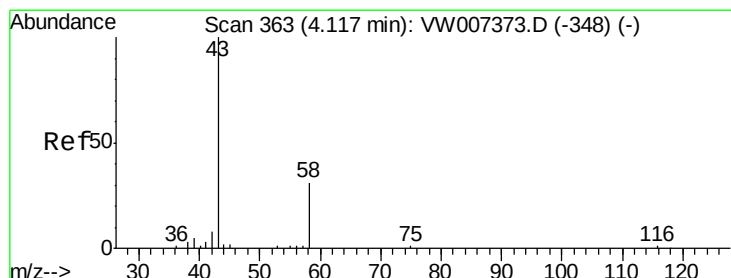
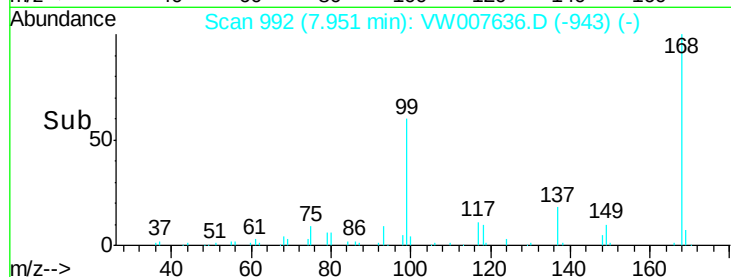
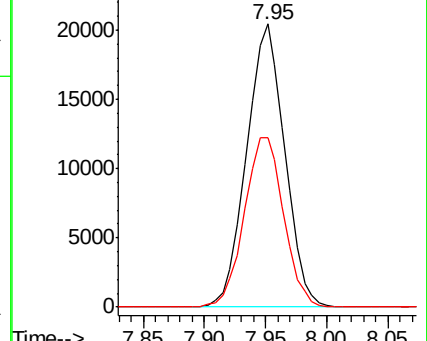
168 100

99 59.8 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 45.300 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007636.D

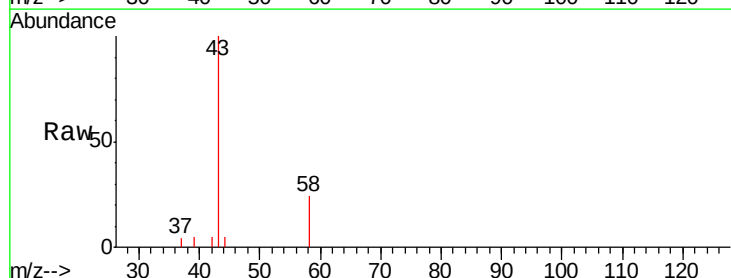
Acq: 17 Dec 2018 17:15

Tgt Ion: 43 Resp: 3896

Ion Ratio Lower Upper

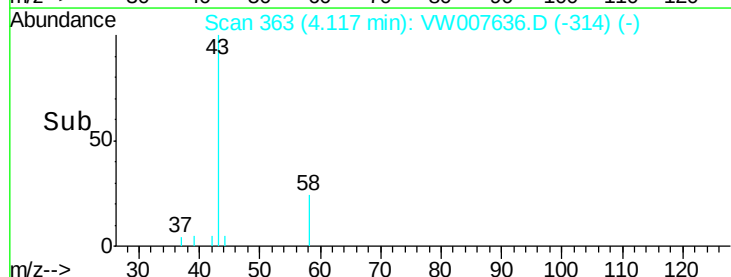
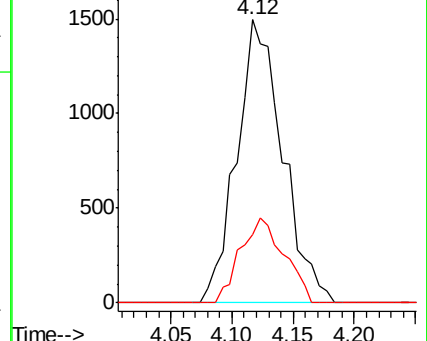
43 100

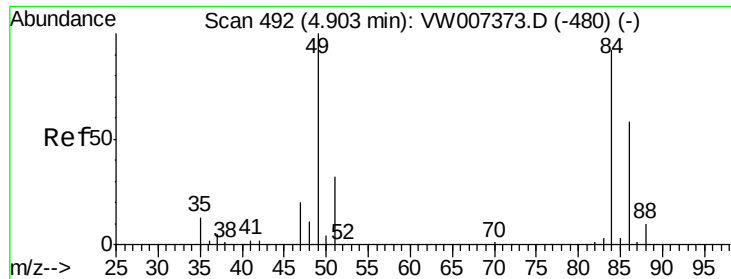
58 24.1 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

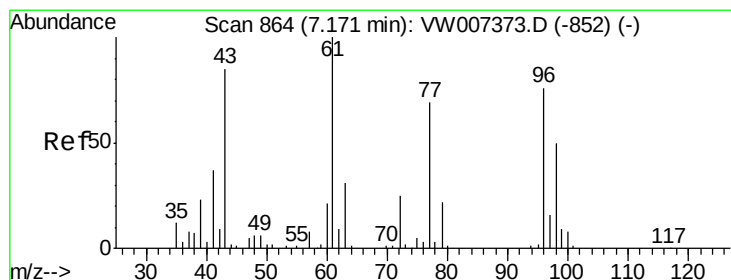
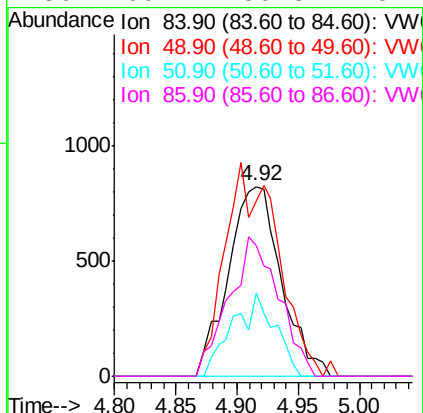
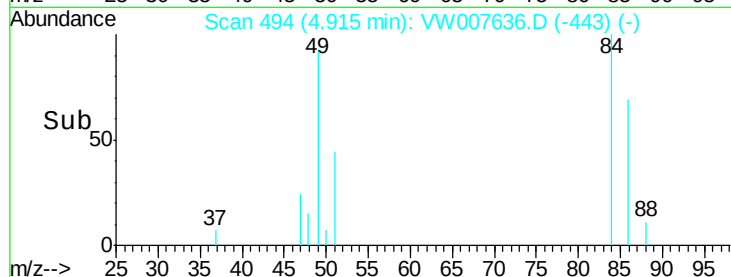
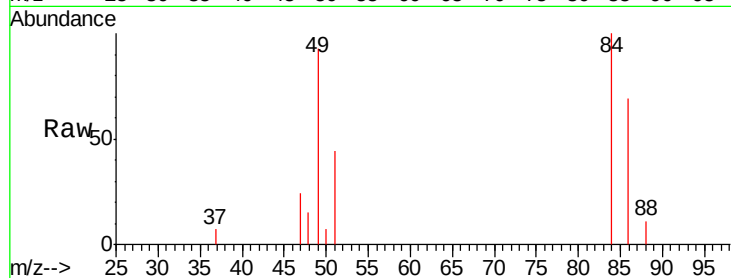




#20  
Methylene Chloride  
Concen: 1.484 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW007636.D  
Acq: 17 Dec 2018 17:15

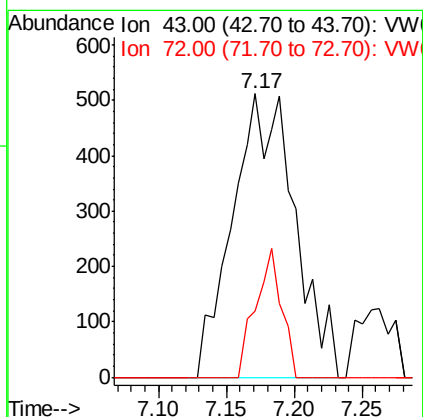
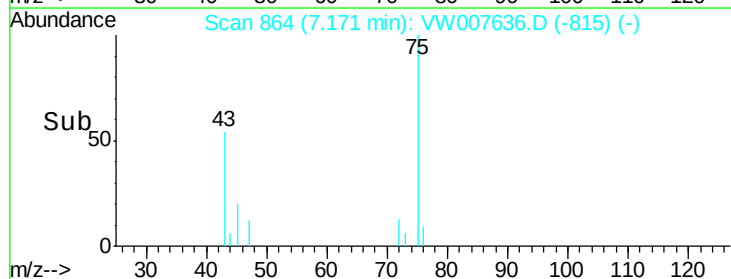
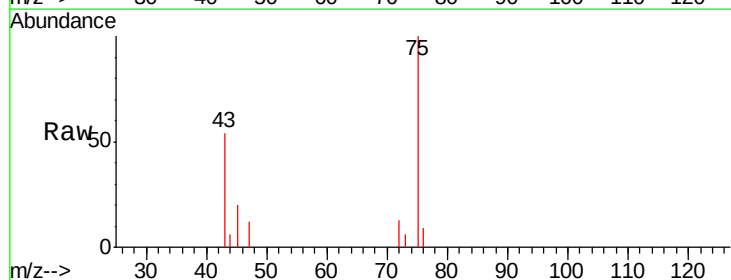
Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-SS001-0612-01MS

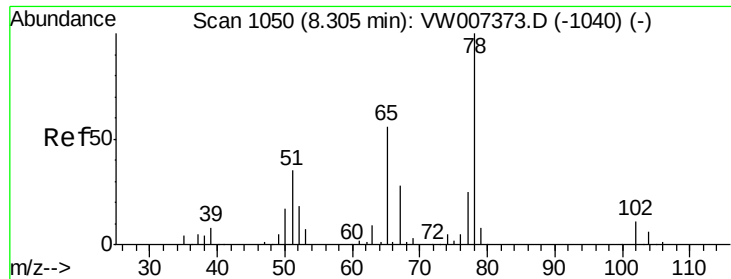
Tgt Ion: 84 Resp: 2486  
Ion Ratio Lower Upper  
84 100  
49 92.8 87.1 130.7  
51 43.7 28.2 42.2#  
86 69.2 50.8 76.2



#25  
2-Butanone  
Concen: 14.517 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VW007636.D  
Acq: 17 Dec 2018 17:15

Tgt Ion: 43 Resp: 1630  
Ion Ratio Lower Upper  
43 100  
72 23.2 23.4 35.2#

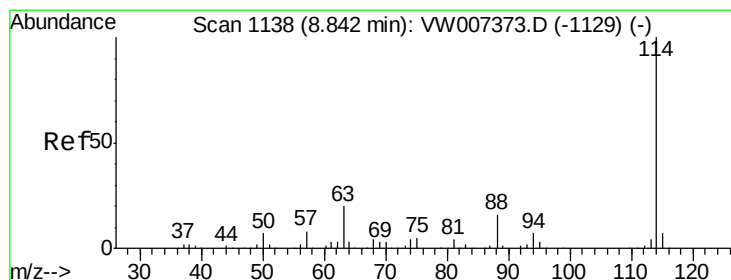
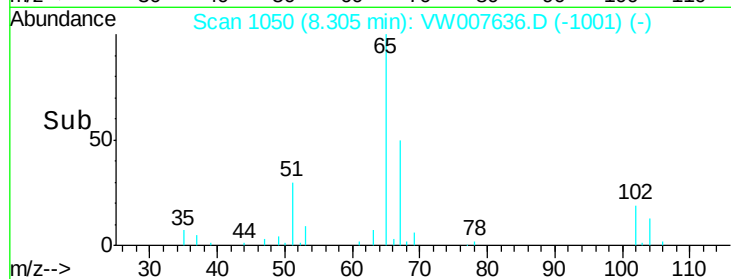
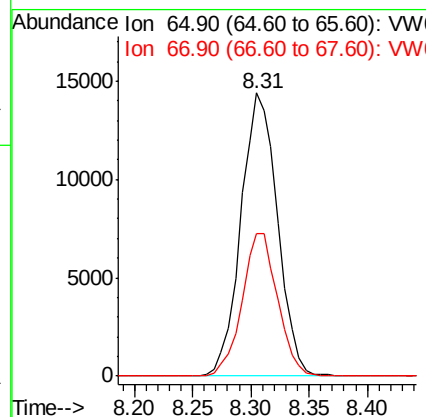
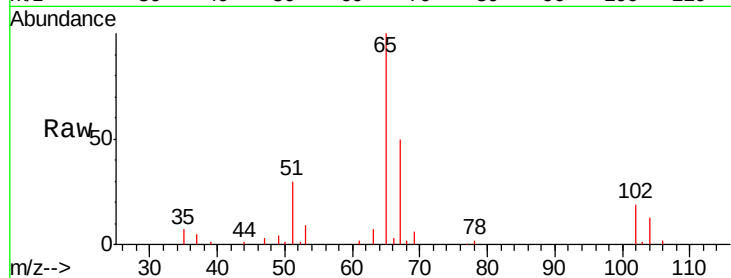




#33  
 1,2-Dichloroethane-d4  
 Concen: 63.926 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW007636.D  
 Acq: 17 Dec 2018 17:15

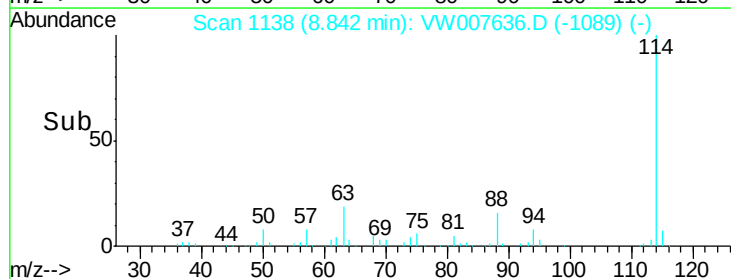
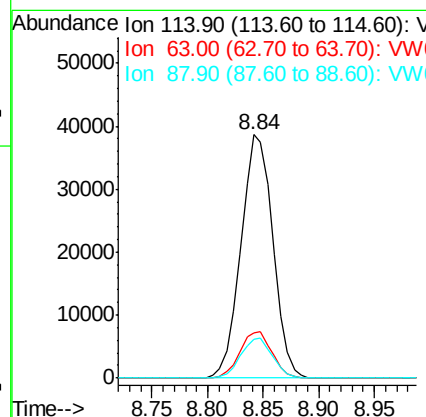
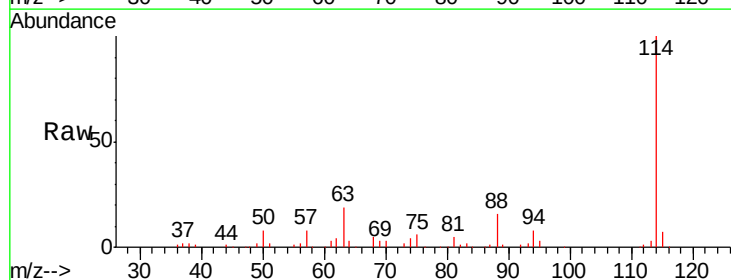
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS001-0612-01MS

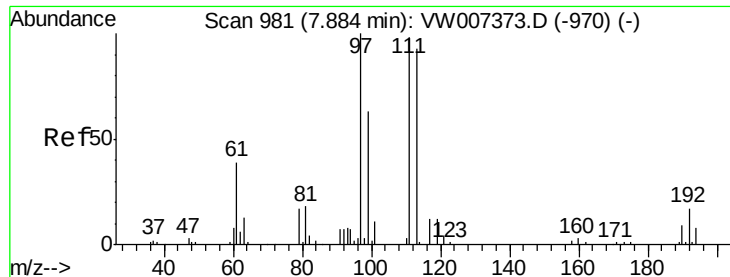
Tgt Ion: 65 Resp: 31476  
 Ion Ratio Lower Upper  
 65 100  
 67 48.9 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW007636.D  
 Acq: 17 Dec 2018 17:15

Tgt Ion: 114 Resp: 76953  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 39.6  
 88 15.9 0.0 31.4

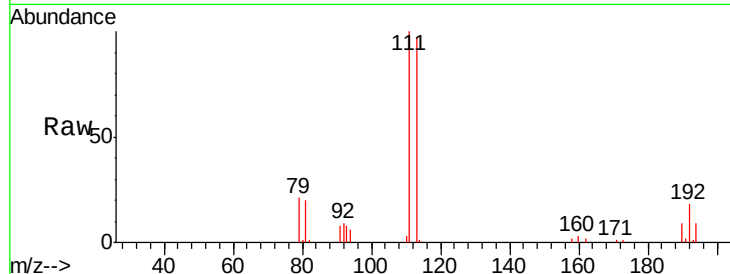




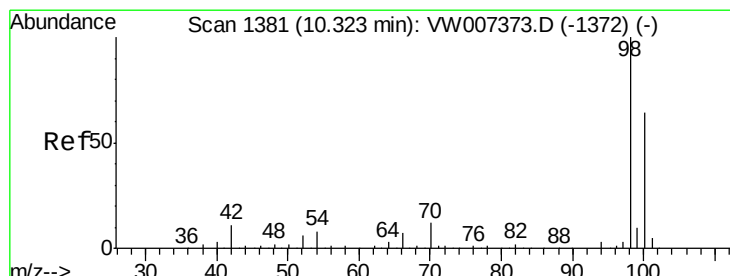
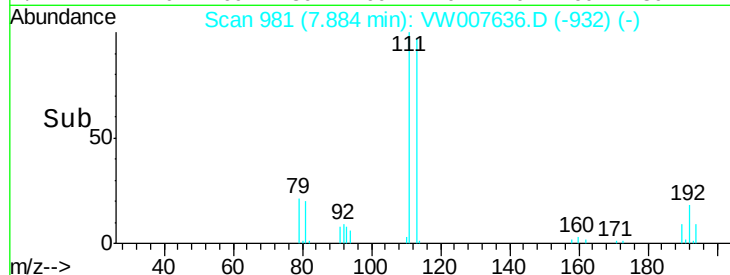
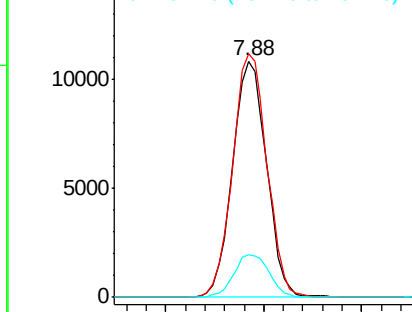
#35  
 Dibromofluoromethane  
 Concen: 56.154 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW007636.D  
 Acq: 17 Dec 2018 17:15

Instrument :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.6 | 81.1  | 121.7 |
| 192     | 18.6  | 14.6  | 21.8  |

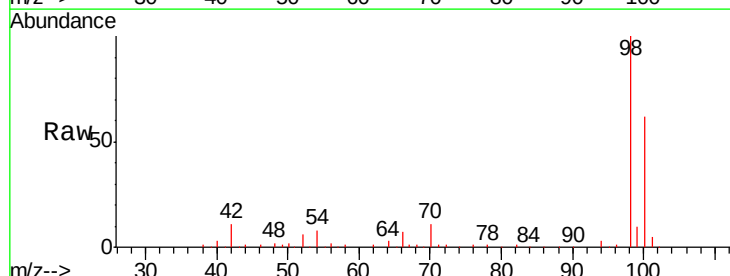


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

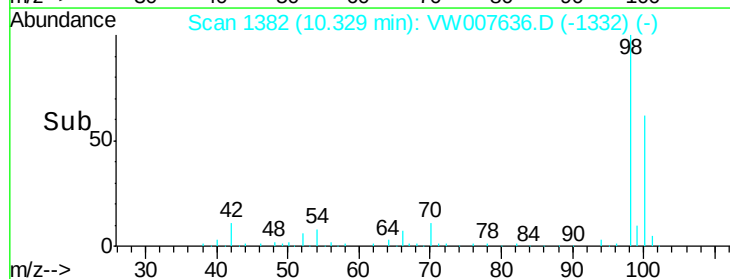
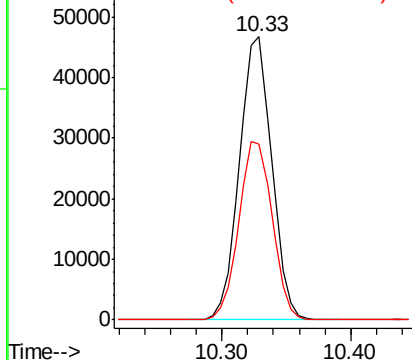


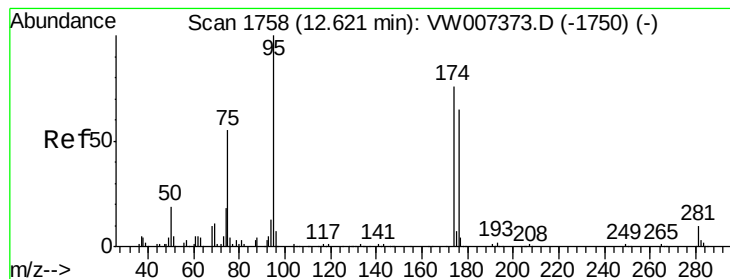
#50  
 Toluene-d8  
 Concen: 46.520 ug/l  
 RT: 10.33 min Scan# 1382  
 Delta R.T. 0.01 min  
 Lab File: VW007636.D  
 Acq: 17 Dec 2018 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.2  | 51.8  | 77.8  |



Abundance Ion 98.00 (97.70 to 98.70): VW  
 Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 35.593 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007636.D

Acq: 17 Dec 2018 17:15

Instrument :

MSVOA\_W

ClientSampleId :

P001-SS001-0612-01MS

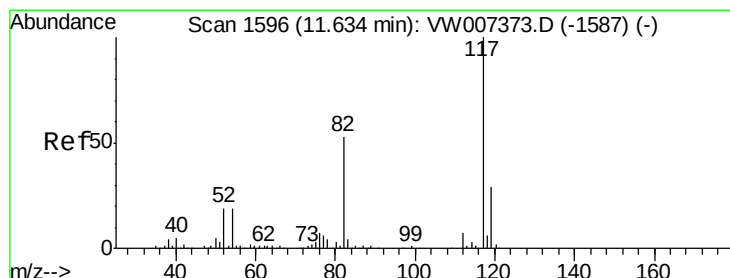
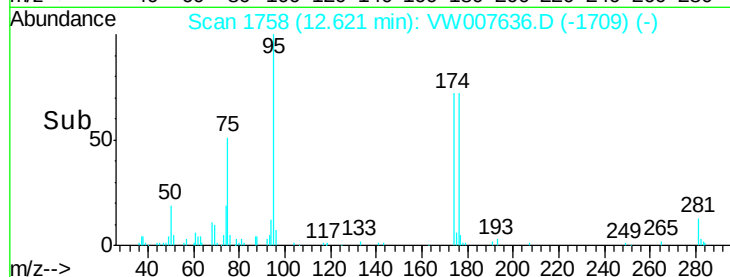
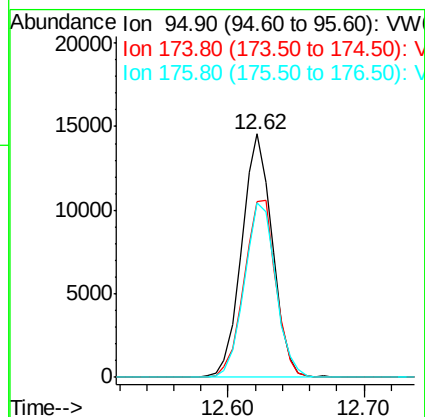
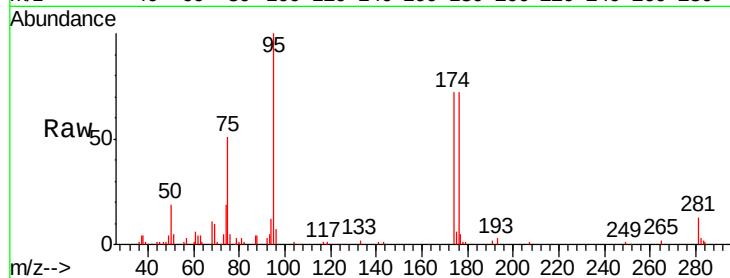
Tgt Ion: 95 Resp: 22857

Ion Ratio Lower Upper

95 100

174 75.6 0.0 147.2

176 73.6 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: VW007636.D

Acq: 17 Dec 2018 17:15

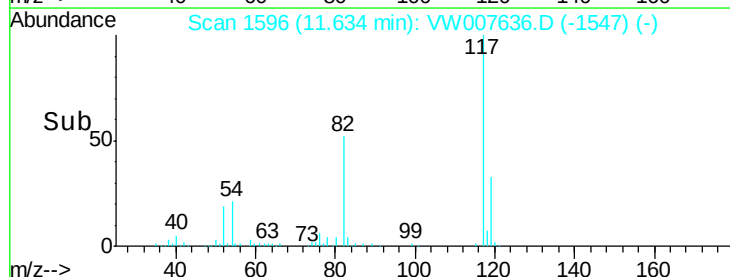
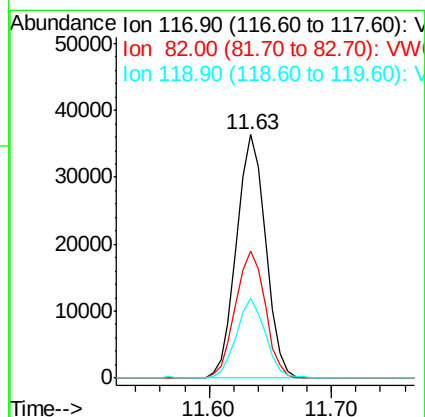
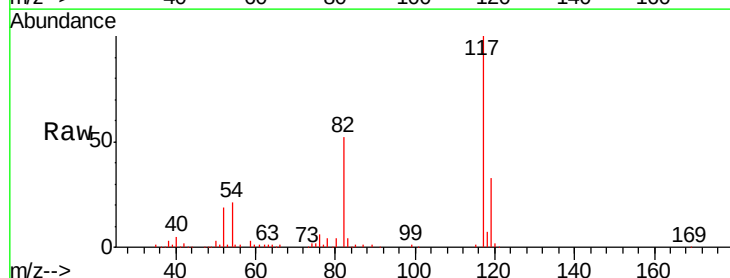
Tgt Ion: 117 Resp: 60031

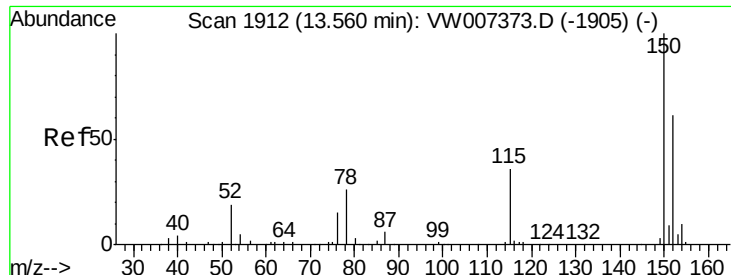
Ion Ratio Lower Upper

117 100

82 52.2 42.3 63.5

119 32.5 23.0 34.6

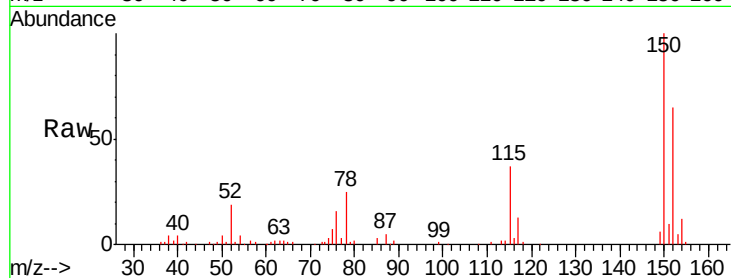




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.57 min Scan# 1913  
 Delta R.T. 0.01 min  
 Lab File: VW007636.D  
 Acq: 17 Dec 2018 17:15

Instrument :  
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 P001-SS001-0612-01MS

Tgt Ion:152 Resp: 17145  
 Ion Ratio Lower Upper  
 152 100  
 115 62.4 31.4 94.2  
 150 158.4 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

