

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122118\  
 Data File : VW007739.D  
 Acq On : 20 Dec 2018 10:42  
 Operator : SY/AP  
 Sample : J6386-07RE  
 Misc : 6.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 20 11:39:59 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 06:30:23 2018  
 Response via : Initial Calibration

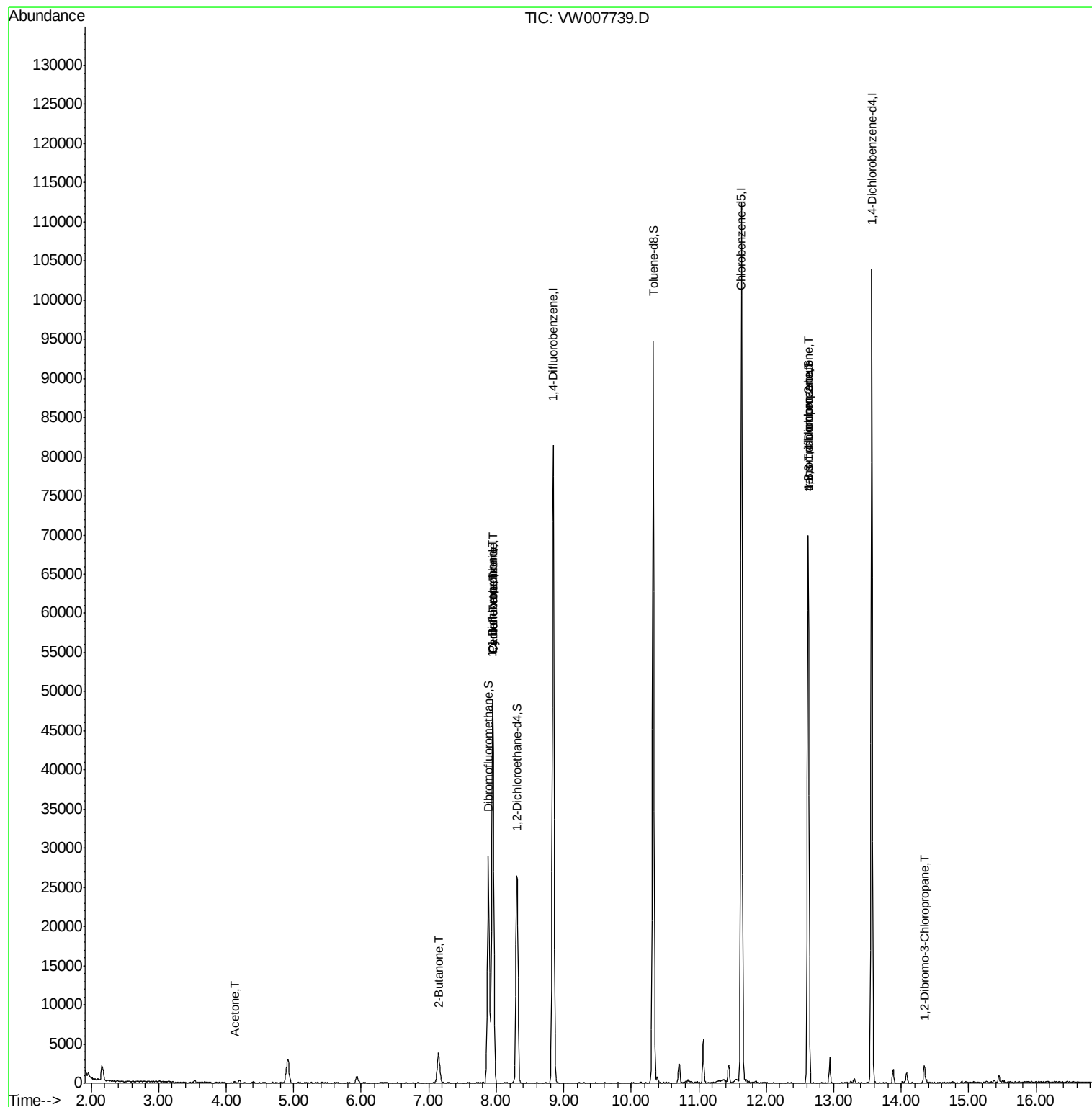
| Internal Standards             | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.95   | 168  | 37158    | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.84   | 114  | 70298    | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.63  | 117  | 63910    | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.56  | 152  | 27384    | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.31   | 65   | 23467    | 57.62     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 115.24% |          |
| 35) Dibromofluoromethane       | 7.88   | 113  | 20223    | 47.16     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 94.32%  |          |
| 50) Toluene-d8                 | 10.32  | 98   | 63304    | 39.16     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 78.32%  |          |
| 62) 4-Bromofluorobenzene       | 12.62  | 95   | 22493    | 36.01     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 72.02%  |          |
| Target Compounds               |        |      |          |           |         |          |
|                                |        |      |          |           | Qvalue  |          |
| 16) Acetone                    | 4.13   | 43   | 427      | 5.599     | ug/l #  | 48       |
| 20) Methylene Chloride         | 4.92   | 84   | 2337     | Below Cal |         | 90       |
| 25) 2-Butanone                 | 7.14   | 43   | 159      | 1.780     | ug/l #  | 44       |
| 31) Cyclohexane                | 7.95   | 56   | 748      | 1.234     | ug/l #  | 31       |
| 36) 1,1-Dichloropropene        | 7.94   | 75   | 2840     | 4.186     | ug/l #  | 48       |
| 38) Carbon Tetrachloride       | 7.95   | 117  | 3881     | 4.857     | ug/l #  | 14       |
| 76) 1,2,3-Trichloropropane     | 12.62  | 75   | 11603    | 54.821    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.62  | 75   | 11603    | 115.073   | ug/l #  | 9        |
| 92) 1,2-Dibromo-3-Chloropropan | 14.34  | 75   | 74       | 1.161     | ug/l #  | 3        |

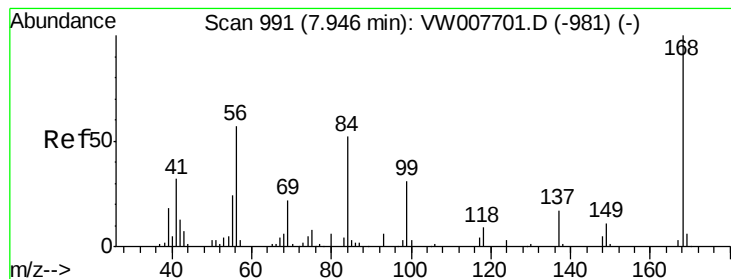
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
ClientSampleId :

Quant Time: Dec 20 11:39:59 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 20 06:30:23 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007739.D

Acq: 20 Dec 2018 10:42

Instrument :

MSVOA\_W

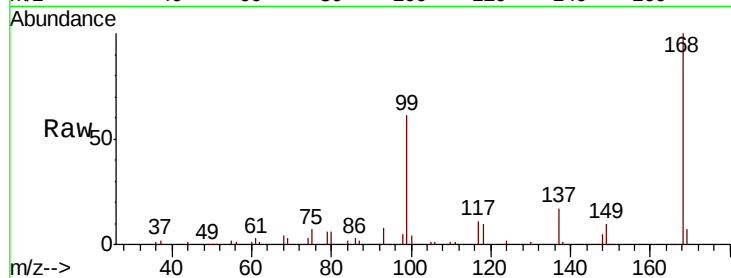
ClientSampled :

Tot Ion:168 Resp: 37158

Ion Ratio Lower Upper

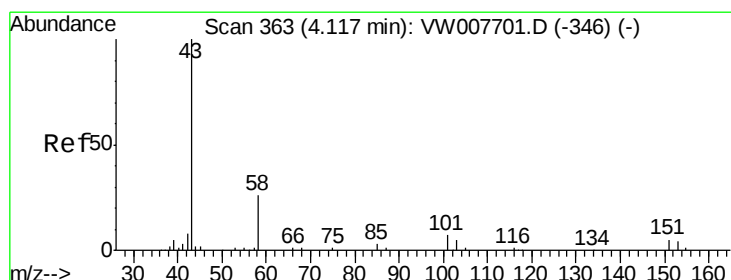
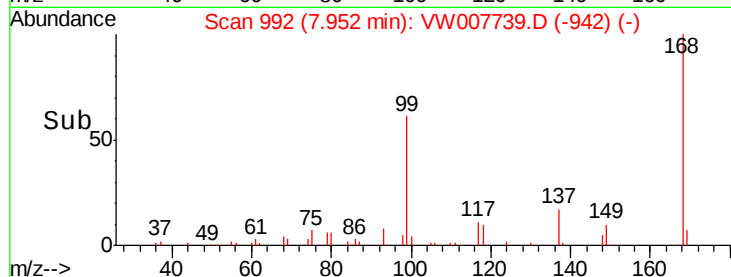
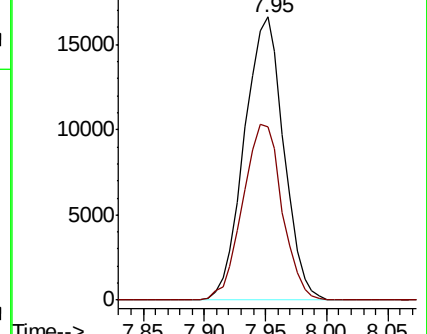
168 100

99 61.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 5.599 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007739.D

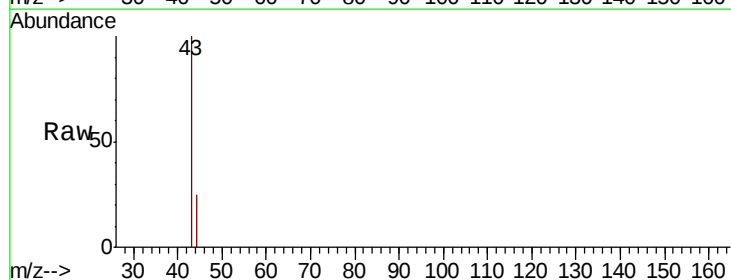
Acq: 20 Dec 2018 10:42

Tgt Ion: 43 Resp: 427

Ion Ratio Lower Upper

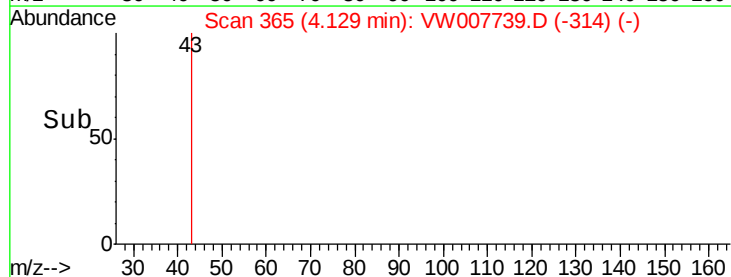
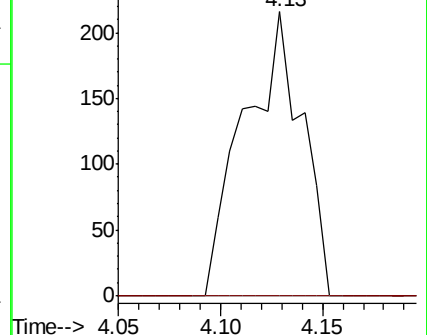
43 100

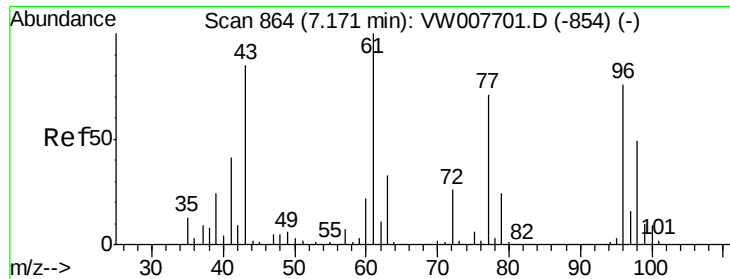
58 0.0 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 1.780 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW007739.D

Acq: 20 Dec 2018 10:42

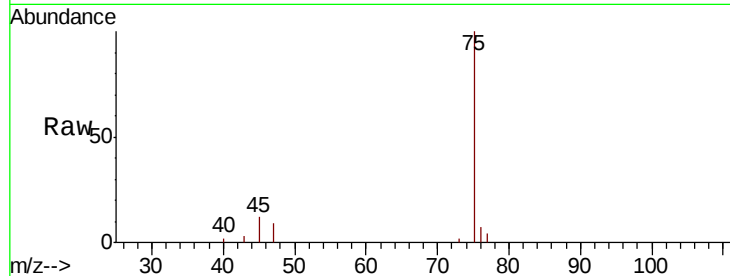
Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 43 Resp: 159

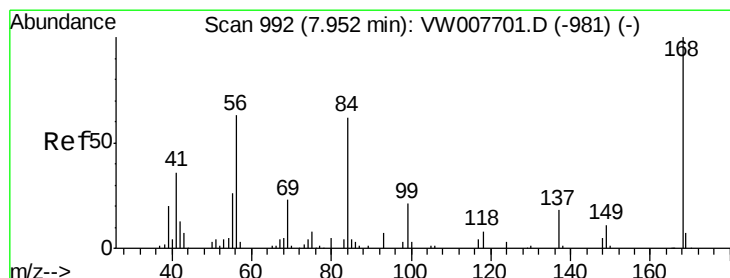
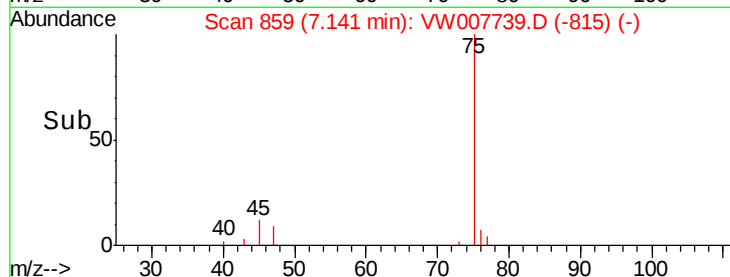
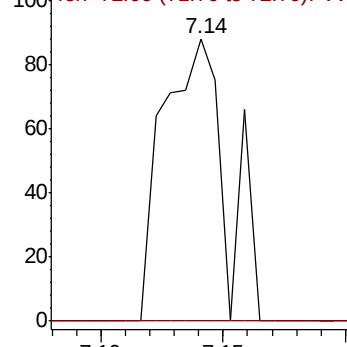
Ion Ratio Lower Upper

43 100

72 0.0 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW  
Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.234 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007739.D

Acq: 20 Dec 2018 10:42

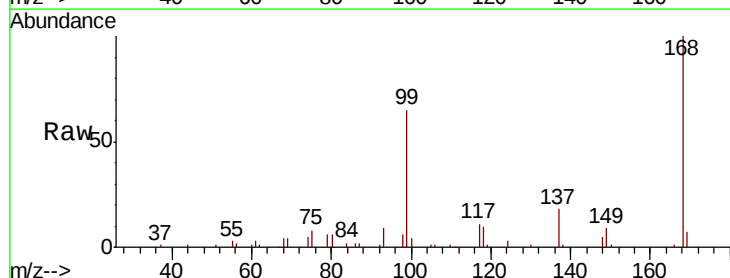
Tgt Ion: 56 Resp: 748

Ion Ratio Lower Upper

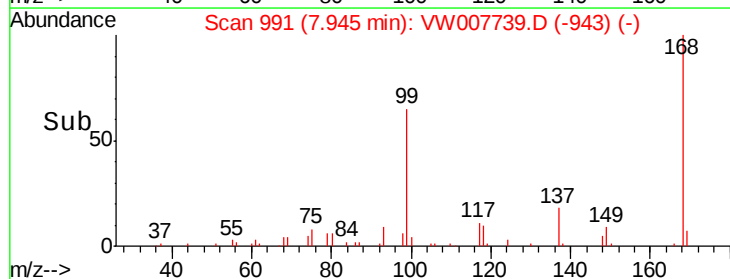
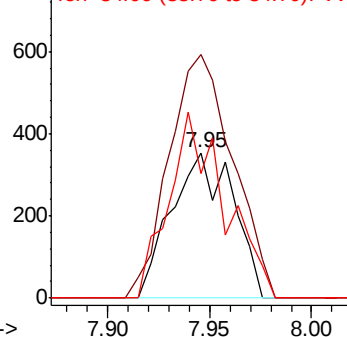
56 100

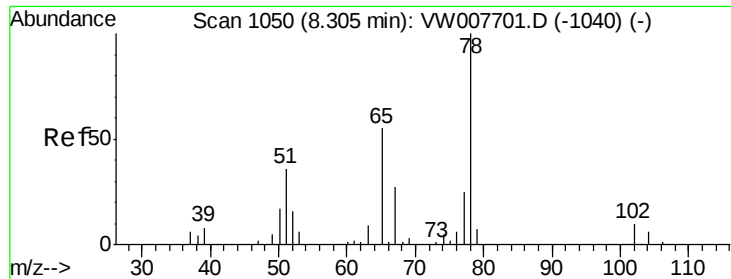
69 167.5 29.7 44.5#

84 85.9 78.9 118.3



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

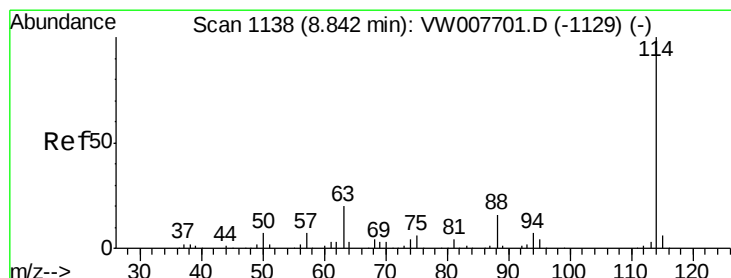
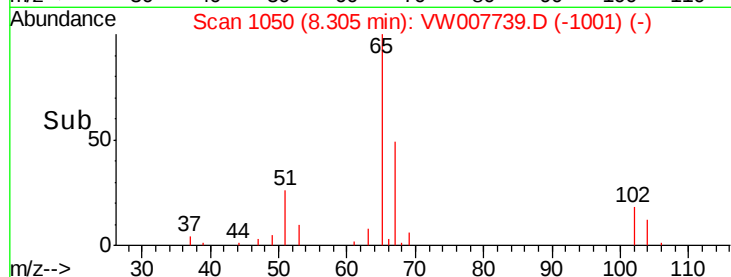
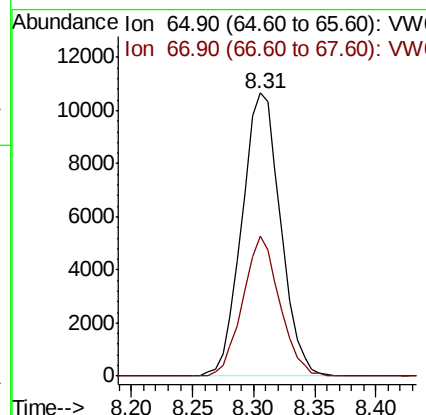
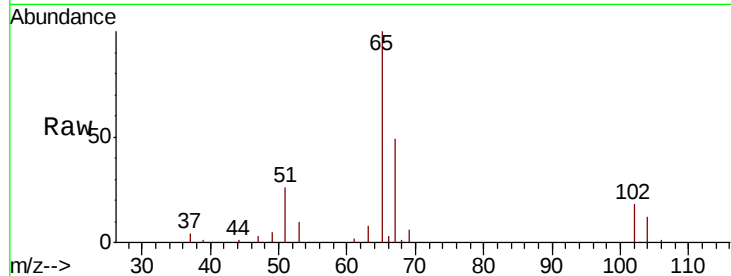




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.621 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW007739.D  
 Acq: 20 Dec 2018 10:42

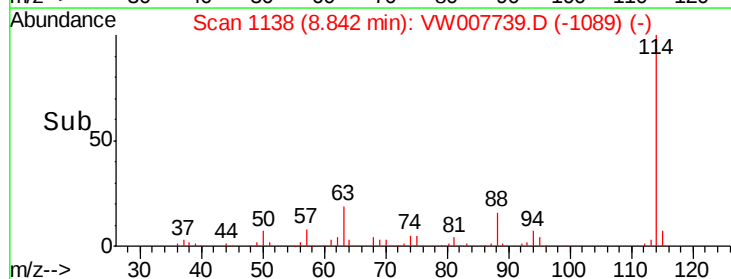
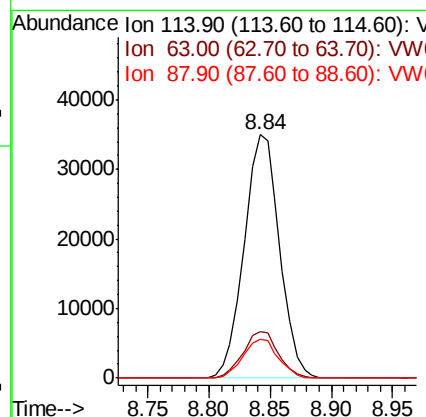
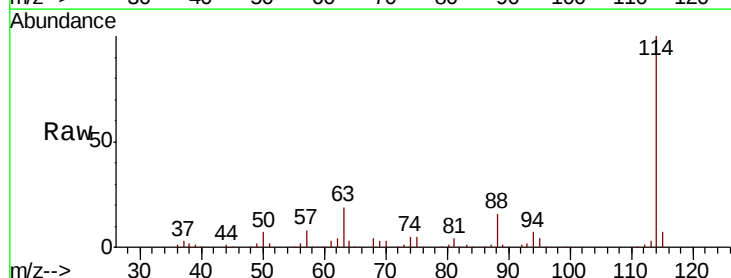
Instrument :  
 MSVOA\_W  
 ClientSampleId :

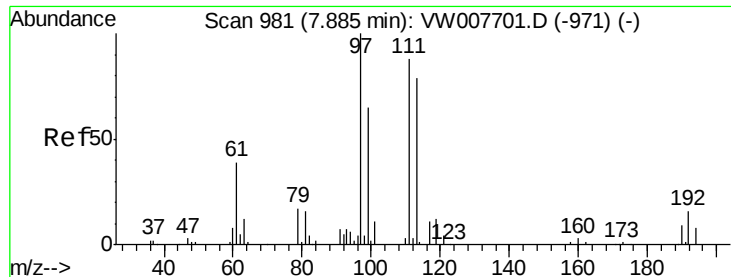
Tot Ion: 65 Resp: 23467  
 Ion Ratio Lower Upper  
 65 100  
 67 46.9 0.0 100.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW007739.D  
 Acq: 20 Dec 2018 10:42

Tgt Ion: 114 Resp: 70298  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 40.0  
 88 16.2 0.0 32.6

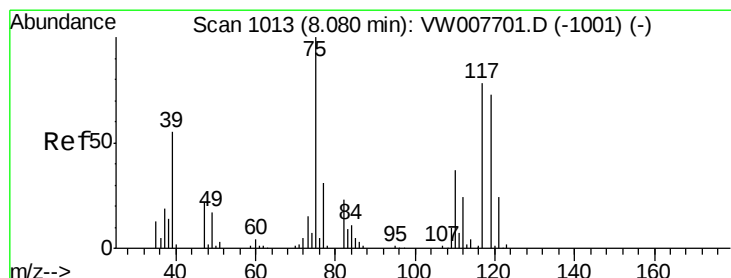
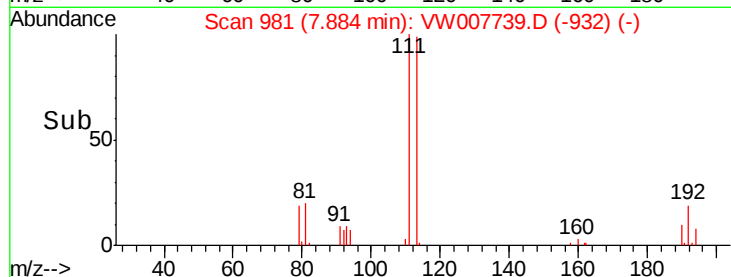
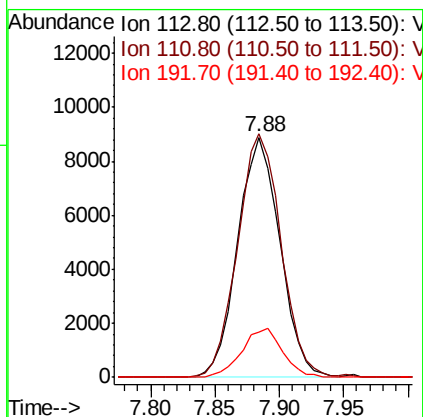
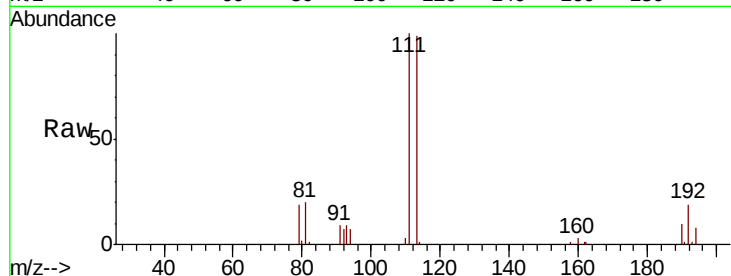




#35  
 Dibromofluoromethane  
 Concen: 47.156 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW007739.D  
 Acq: 20 Dec 2018 10:42

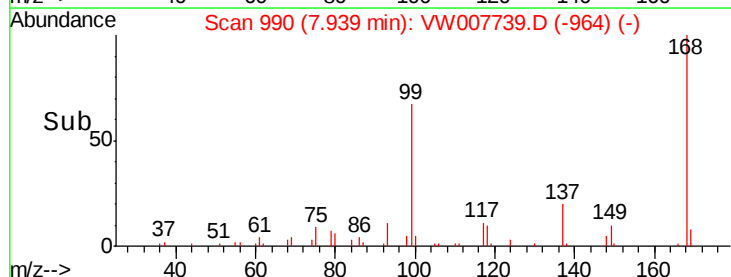
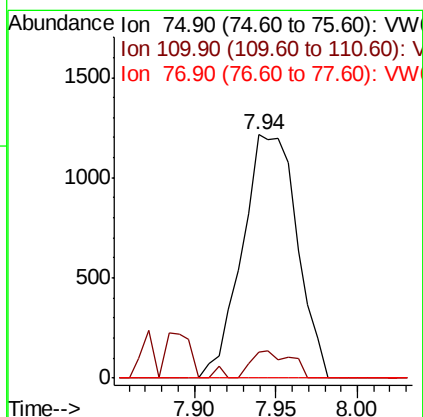
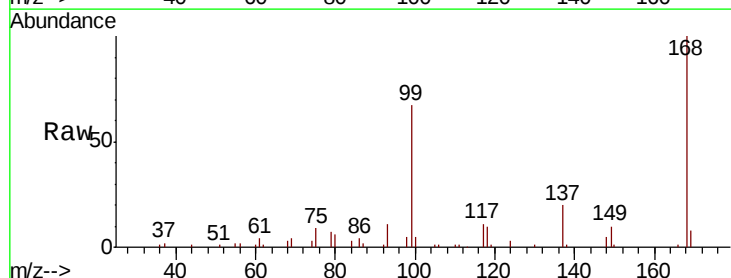
Instrument :  
 MSVOA\_W  
 ClientSampleId :

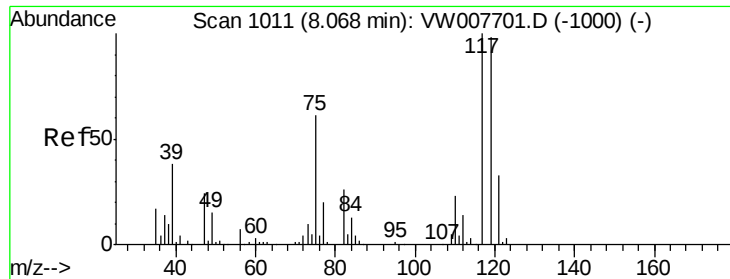
Tot Ion:113 Resp: 20223  
 Ion Ratio Lower Upper  
 113 100  
 111 104.1 82.6 124.0  
 192 19.5 15.5 23.3



#36  
 1,1-Dichloropropene  
 Concen: 4.186 ug/l  
 RT: 7.94 min Scan# 990  
 Delta R.T. -0.14 min  
 Lab File: VW007739.D  
 Acq: 20 Dec 2018 10:42

Tgt Ion: 75 Resp: 2840  
 Ion Ratio Lower Upper  
 75 100  
 110 8.2 18.6 55.8#  
 77 0.0 25.0 37.4#

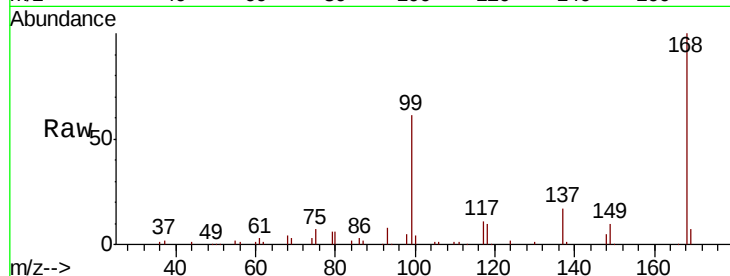




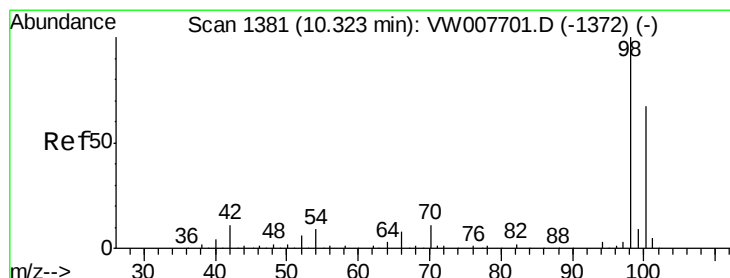
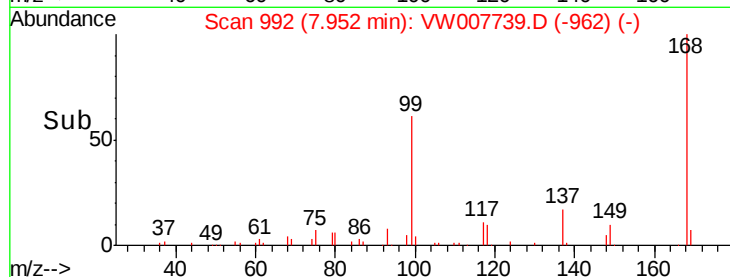
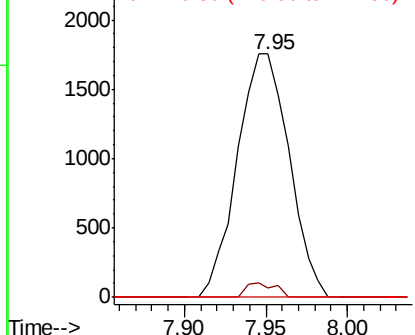
#38  
Carbon Tetrachloride  
Concen: 4.857 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.12 min  
Lab File: VW007739.D  
Acq: 20 Dec 2018 10:42

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion:117 Resp: 3881  
Ion Ratio Lower Upper  
117 100  
119 3.9 78.2 117.2#  
121 0.0 26.1 39.1#

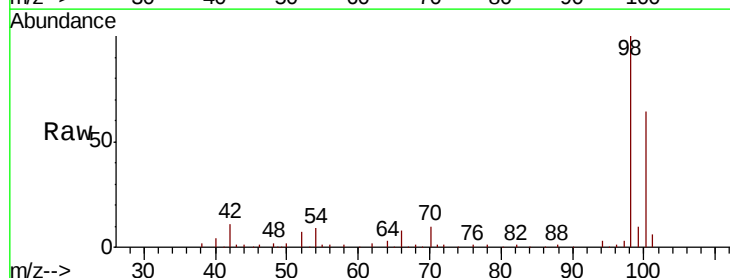


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

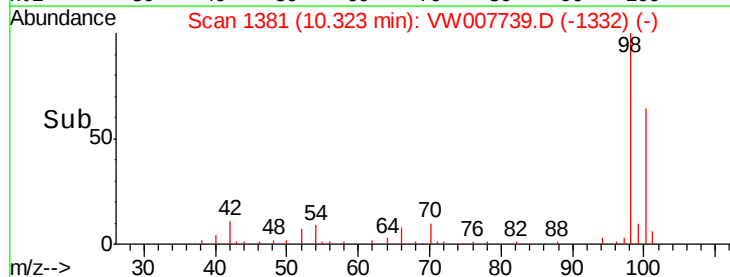
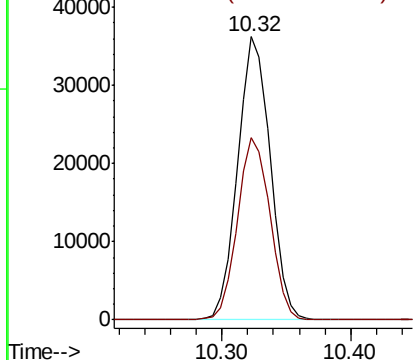


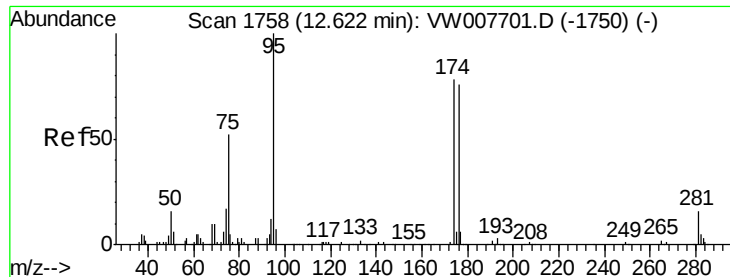
#50  
Toluene-d8  
Concen: 39.156 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW007739.D  
Acq: 20 Dec 2018 10:42

Tgt Ion: 98 Resp: 63304  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.2 78.2



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

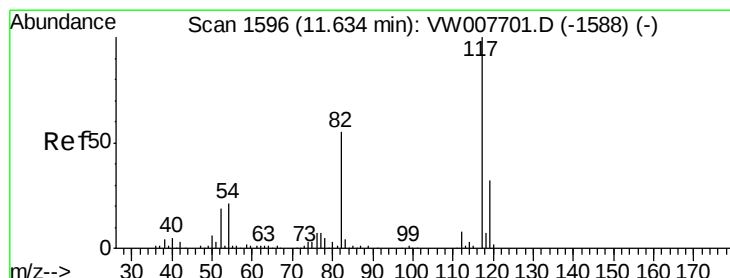
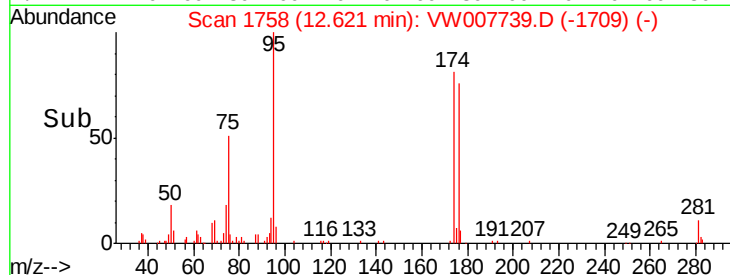
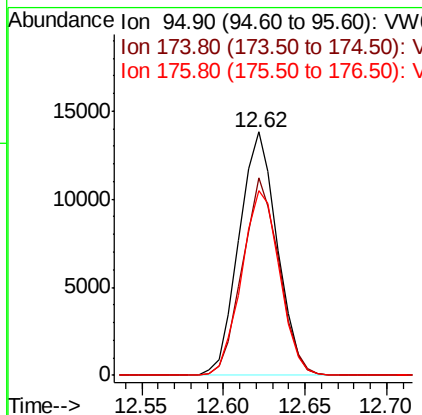
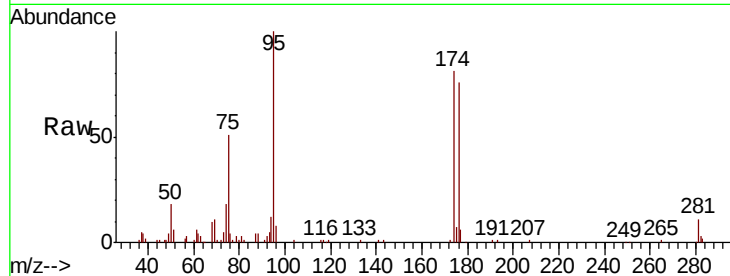




#62  
4-Bromofluorobenzene  
Concen: 36.013 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW007739.D  
Acq: 20 Dec 2018 10:42

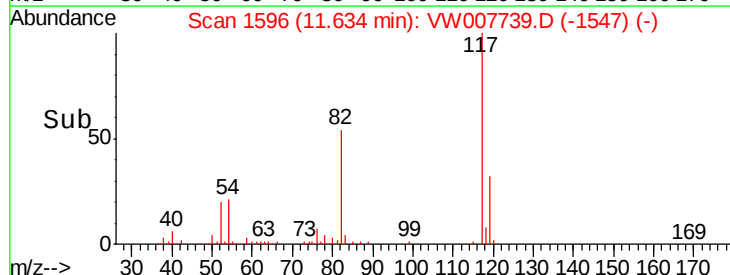
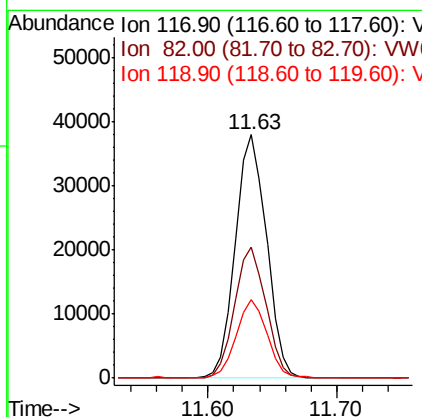
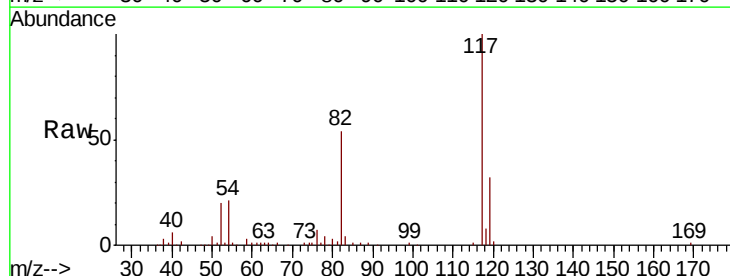
Instrument :  
MSVOA\_W  
ClientSampleId :

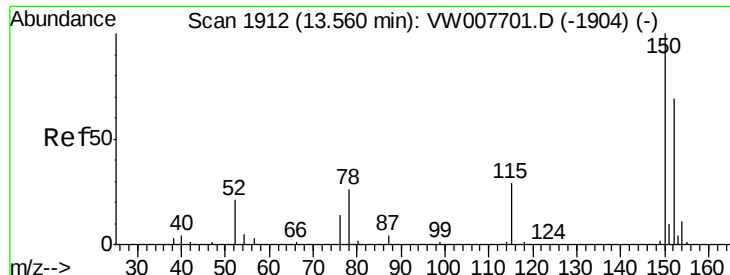
Tot Ion: 95 Resp: 22493  
Ion Ratio Lower Upper  
95 100  
174 78.2 0.0 152.2  
176 75.9 0.0 146.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW007739.D  
Acq: 20 Dec 2018 10:42

Tgt Ion: 117 Resp: 63910  
Ion Ratio Lower Upper  
117 100  
82 53.7 44.3 66.5  
119 31.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007739.D

Acq: 20 Dec 2018 10:42

Instrument :

MSVOA\_W

ClientSampleId :

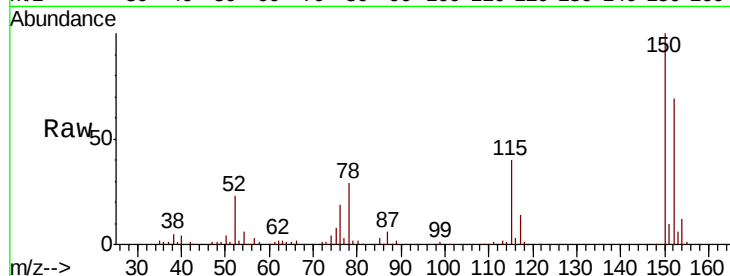
Tot Ion:152 Resp: 27384

Ion Ratio Lower Upper

152 100

115 61.2 31.8 95.4

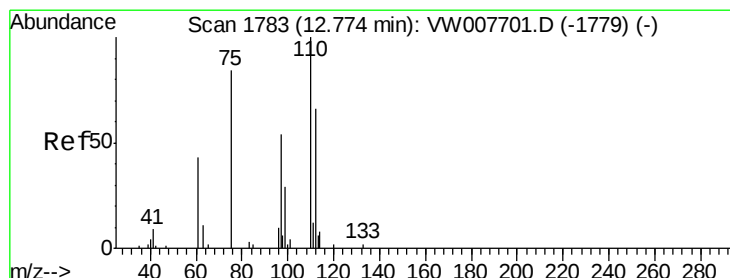
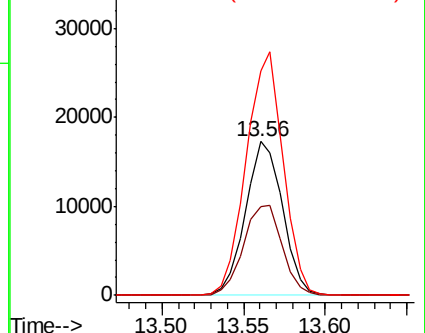
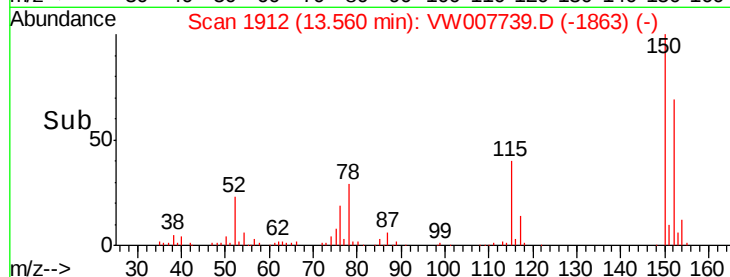
150 157.6 0.0 350.8



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



#76

1,2,3-Trichloropropane

Concen: 54.821 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007739.D

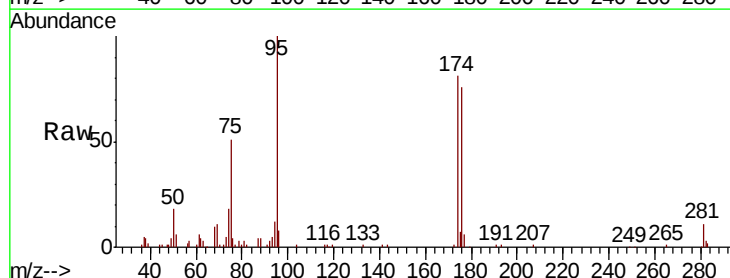
Acq: 20 Dec 2018 10:42

Tgt Ion: 75 Resp: 11603

Ion Ratio Lower Upper

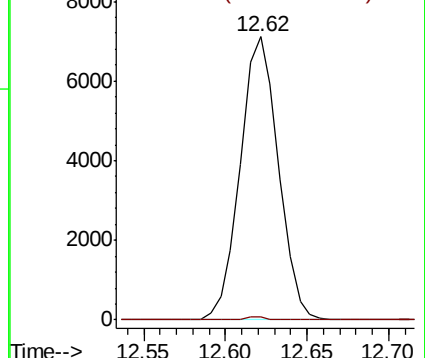
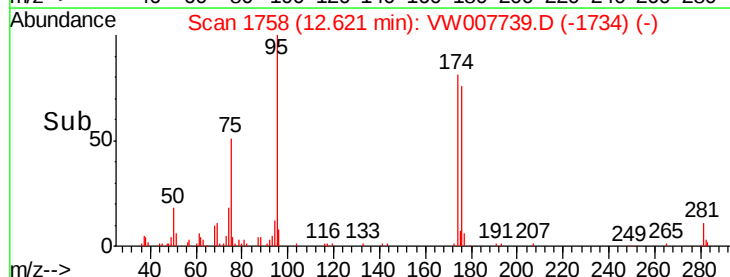
75 100

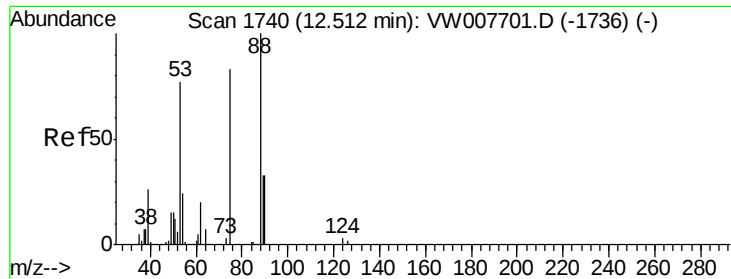
77 0.5 0.0 0.0#



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: 115.073 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007739.D

Acq: 20 Dec 2018 10:42

Instrument :

MSVOA\_W

ClientSampleId :

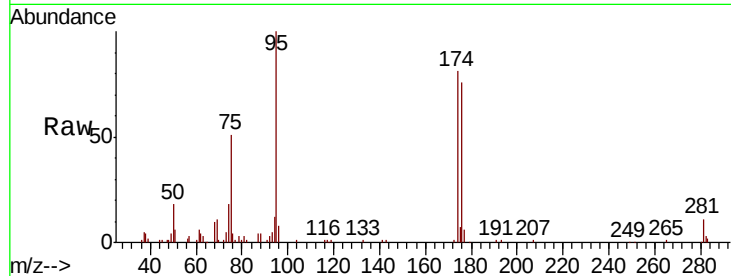
Tot Ion: 75 Resp: 11603

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

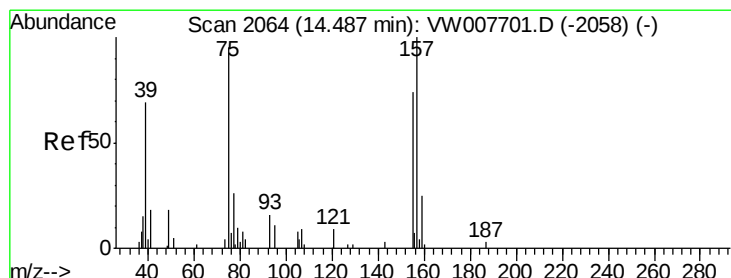
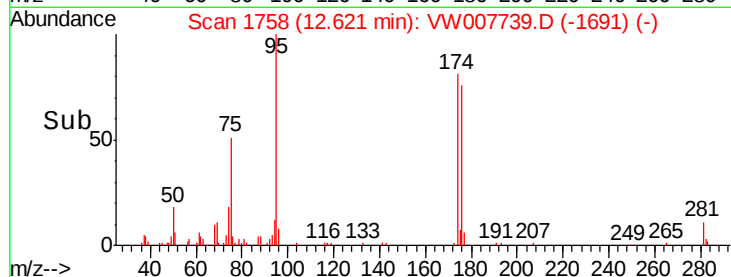
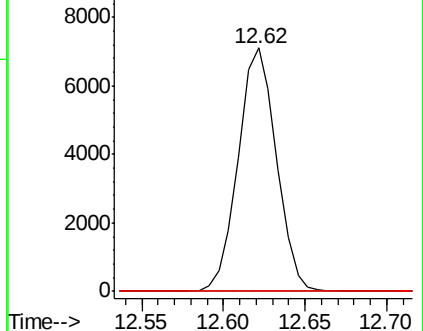
89 0.0 39.2 58.8#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.161 ug/l

RT: 14.34 min Scan# 2040

Delta R.T. -0.15 min

Lab File: VW007739.D

Acq: 20 Dec 2018 10:42

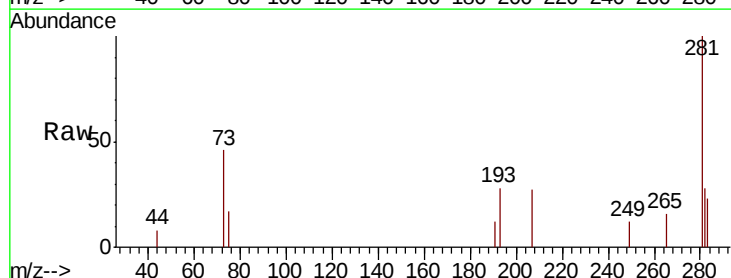
Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.1#

157 0.0 52.0 156.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

