

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW101318\  
 Data File : VW006060.D  
 Acq On : 12 Oct 2018 21:12  
 Operator : VA/AP  
 Sample : J5198-19RE  
 Misc : 6.34G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 CL-02-101218-ERE

Quant Time: Oct 13 01:09:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 09 02:14:04 2018  
 Response via : Initial Calibration

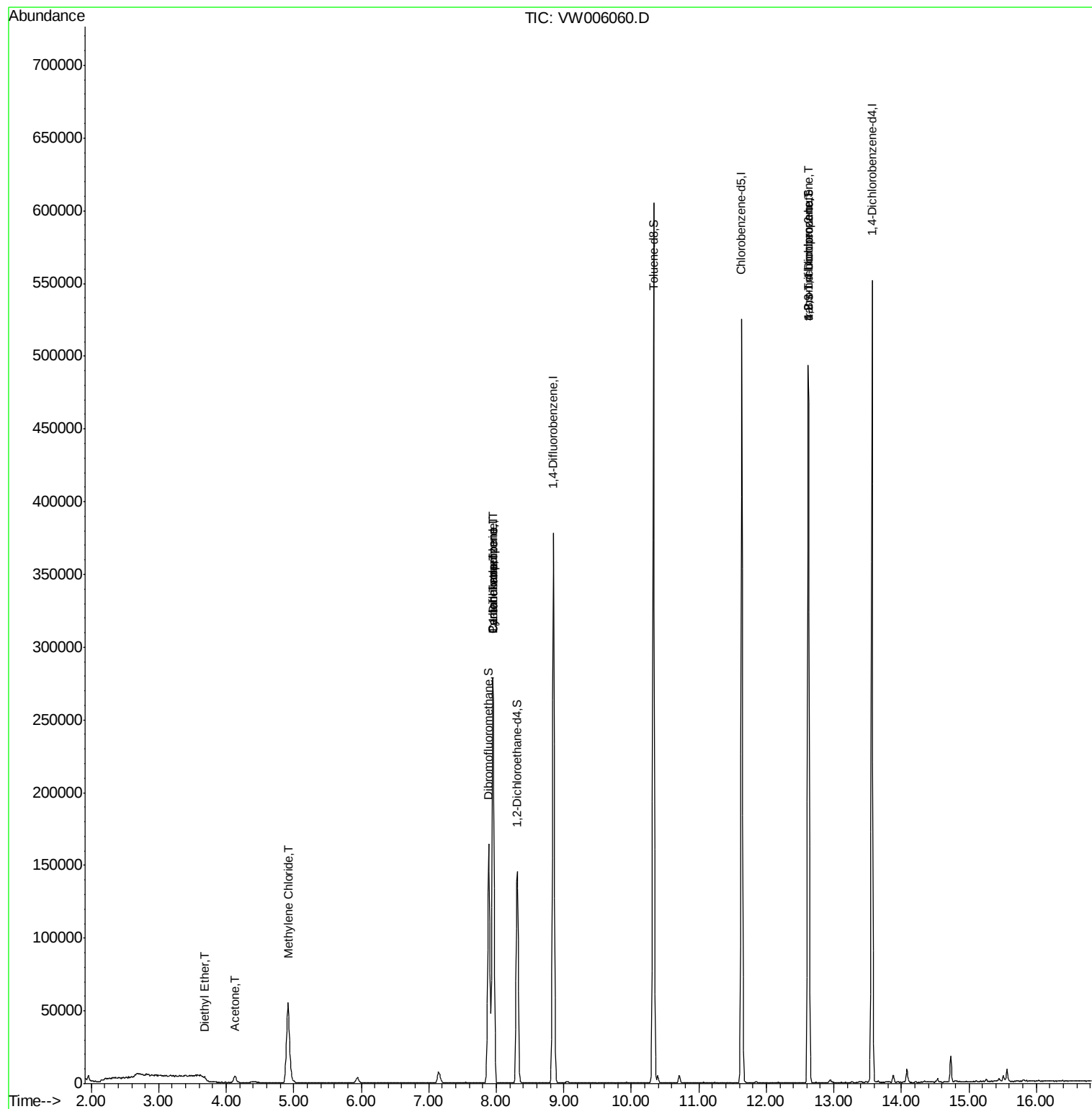
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene          | 7.95  | 168  | 224274   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.85  | 114  | 334619   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.63 | 117  | 301720   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.57 | 152  | 151769   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.31  | 65   | 115306   | 52.96   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 105.92% |          |
| 35) Dibromofluoromethane       | 7.89  | 113  | 112885   | 52.84   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 105.68% |          |
| 50) Toluene-d8                 | 10.33 | 98   | 408180   | 49.66   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 99.32%  |          |
| 62) 4-Bromofluorobenzene       | 12.62 | 95   | 147591   | 47.19   | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 94.38%  |          |
| Target Compounds               |       |      |          |         |         |          |
| 8) Diethyl Ether               | 3.68  | 74   | 1545     | 1.541   | ug/l    | 84       |
| 16) Acetone                    | 4.13  | 43   | 8766     | 20.157  | ug/l    | 96       |
| 20) Methylene Chloride         | 4.92  | 84   | 44816    | 20.569  | ug/l    | 91       |
| 31) Cyclohexane                | 7.96  | 56   | 3966     | 1.041   | ug/l #  | 24       |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 14742    | 4.598   | ug/l #  | 50       |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 20184    | 5.859   | ug/l #  | 15       |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 75997    | 56.057  | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 75997    | 118.342 | ug/l #  | 11       |

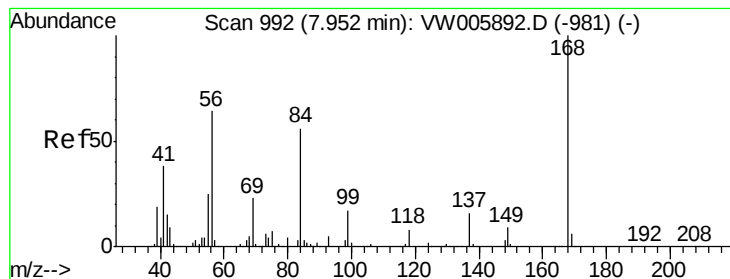
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW101318\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 09 02:14:04 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: VW006060.D

Acq: 12 Oct 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

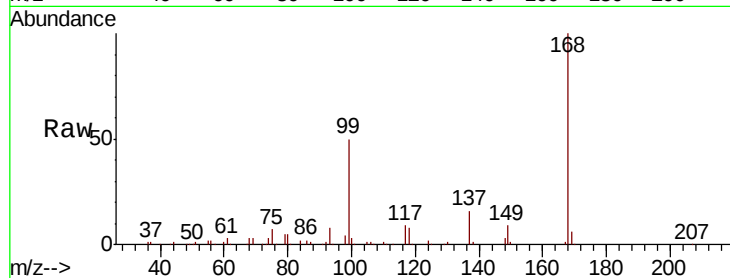
CL-02-101218-ERE

Tgt Ion:168 Resp: 224274

Ion Ratio Lower Upper

168 100

99 50.0 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

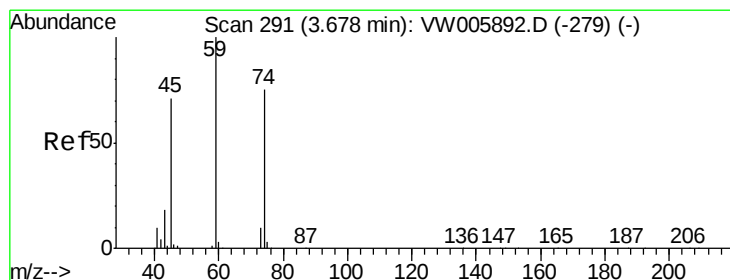
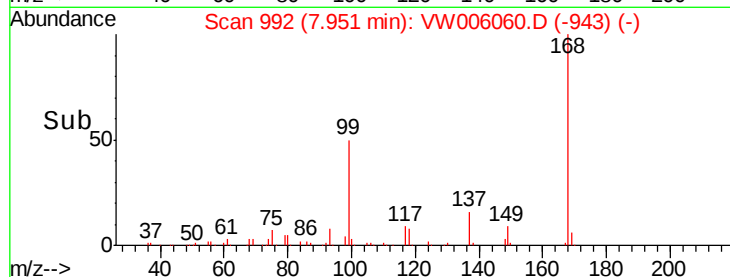
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.541 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW006060.D

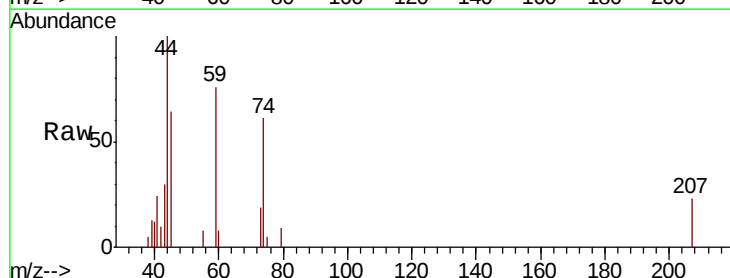
Acq: 12 Oct 2018 21:12

Tgt Ion: 74 Resp: 1545

Ion Ratio Lower Upper

74 100

45 108.6 46.8 140.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

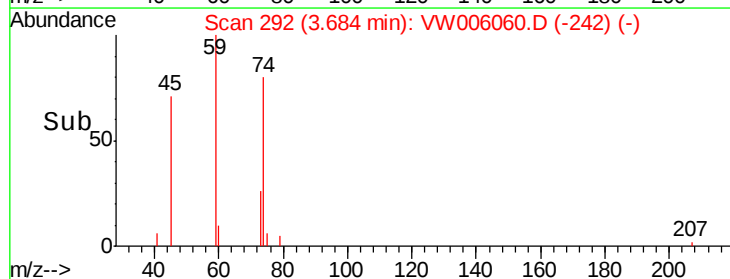
600

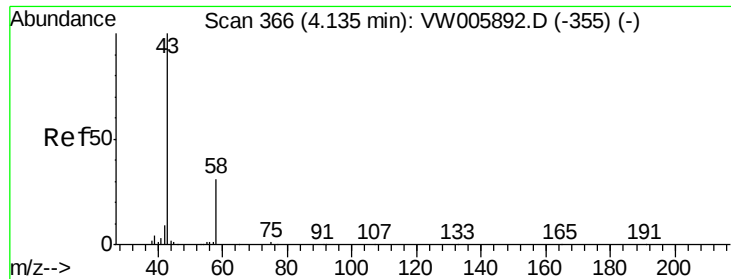
400

200

0

Time-->

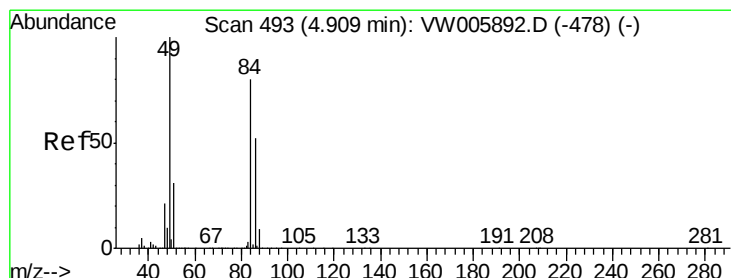
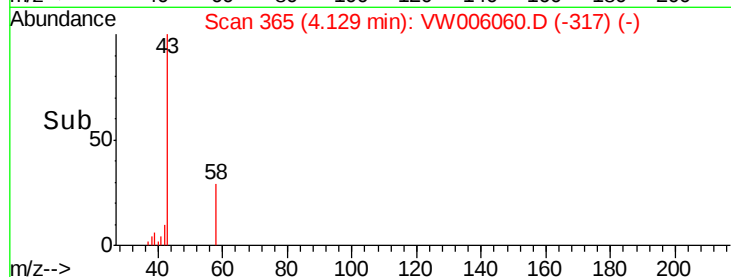
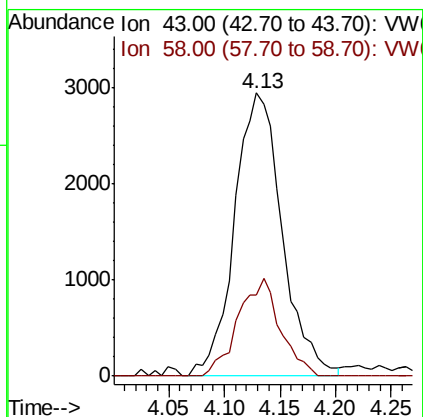
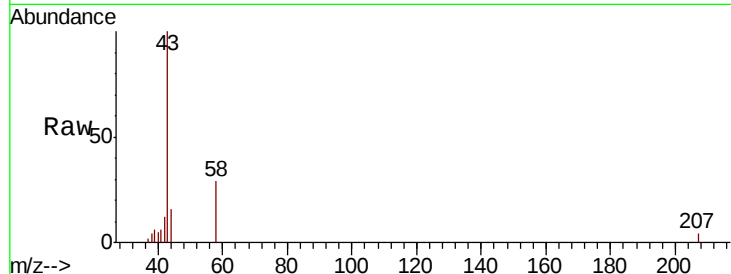




#16  
Acetone  
Concen: 20.157 ug/l  
RT: 4.13 min Scan# 365  
Delta R.T. -0.01 min  
Lab File: VW006060.D  
Acq: 12 Oct 2018 21:12

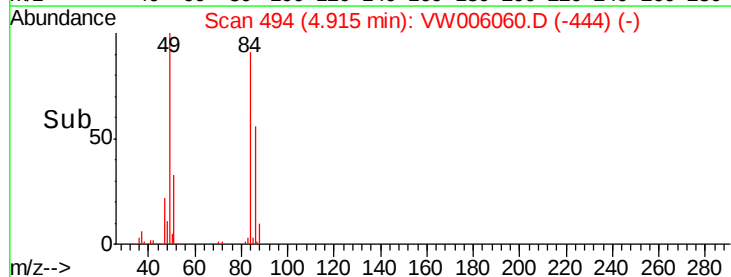
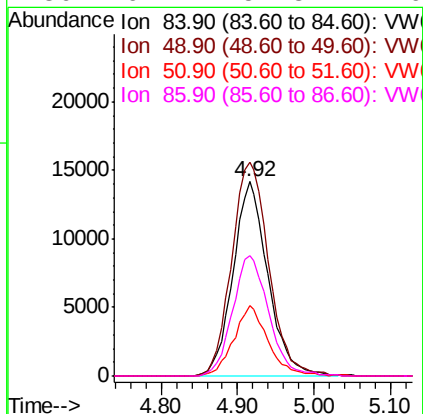
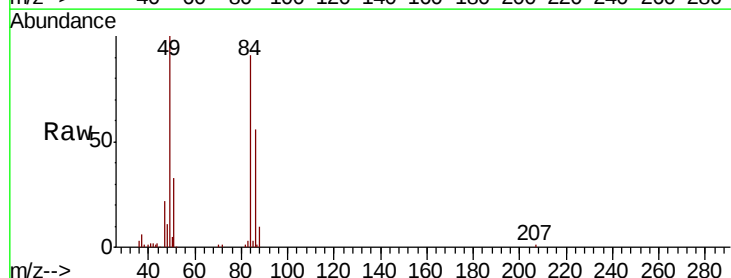
Instrument :  
MSVOA\_W  
ClientSampleId :  
CL-02-101218-ERE

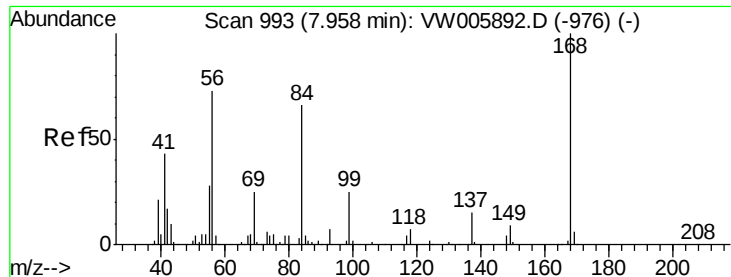
Tgt Ion: 43 Resp: 8766  
Ion Ratio Lower Upper  
43 100  
58 28.8 24.7 37.1



#20  
Methylene Chloride  
Concen: 20.569 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW006060.D  
Acq: 12 Oct 2018 21:12

Tgt Ion: 84 Resp: 44816  
Ion Ratio Lower Upper  
84 100  
49 110.1 99.9 149.9  
51 36.5 31.1 46.7  
86 62.2 51.8 77.6

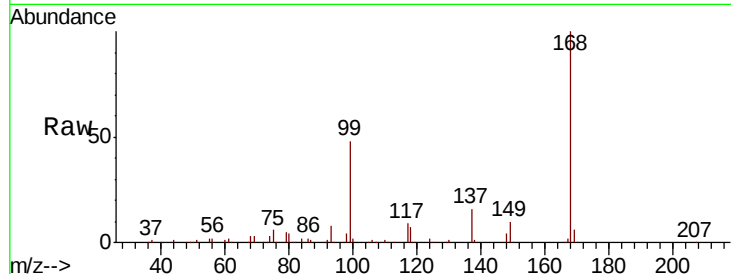




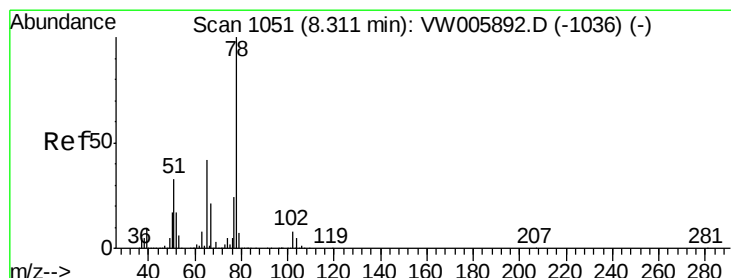
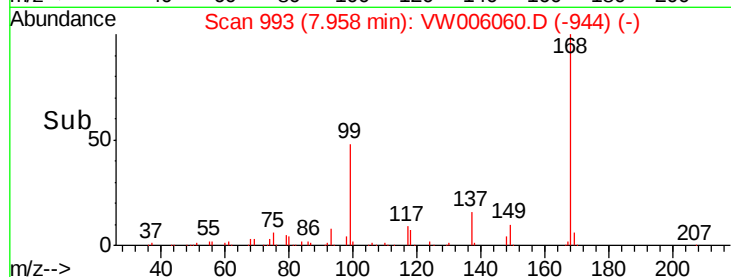
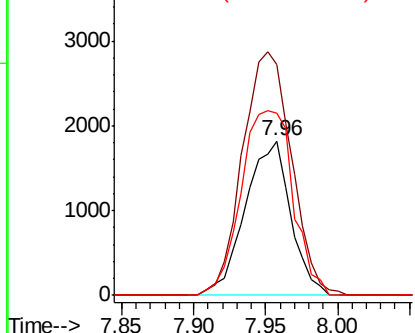
#31  
Cyclohexane  
Concen: 1.041 ug/l  
RT: 7.96 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: VW006060.D  
Acq: 12 Oct 2018 21:12

Instrument :  
MSVOA\_W  
ClientSampleId :  
CL-02-101218-ERE

Tgt Ion: 56 Resp: 3966  
Ion Ratio Lower Upper  
56 100  
69 149.5 27.9 41.9#  
84 117.8 72.3 108.5#

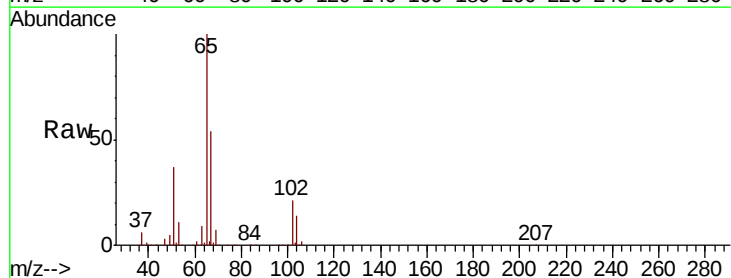


Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

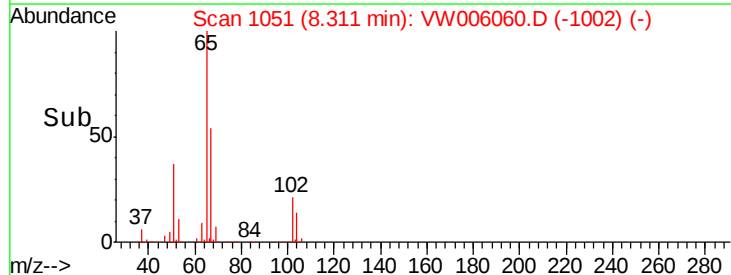
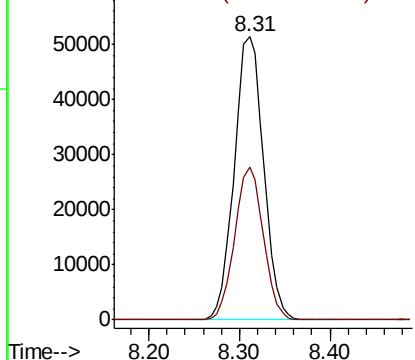


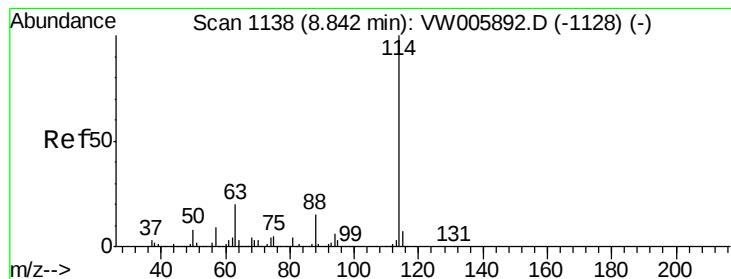
#33  
1,2-Dichloroethane-d4  
Concen: 52.961 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VW006060.D  
Acq: 12 Oct 2018 21:12

Tgt Ion: 65 Resp: 115306  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 104.6



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. 0.01 min

Lab File: VW006060.D

Acq: 12 Oct 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

CL-02-101218-ERE

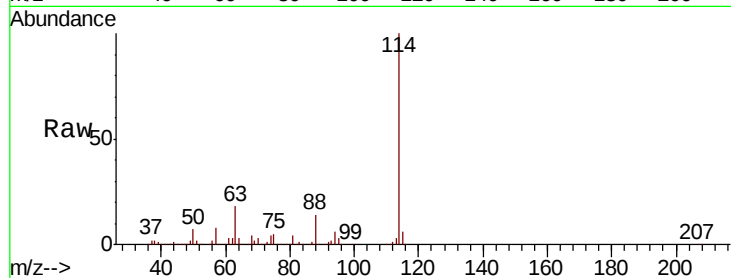
Tgt Ion:114 Resp: 334619

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.2

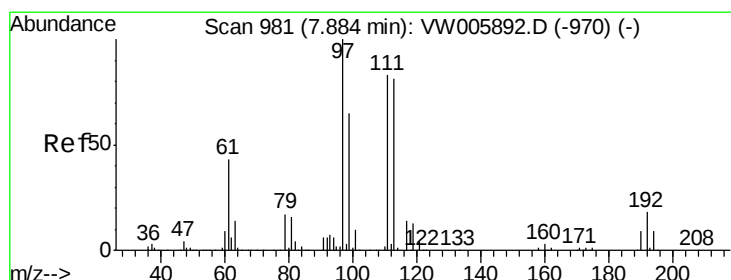
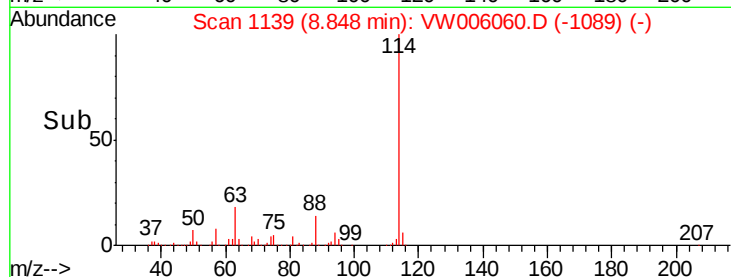
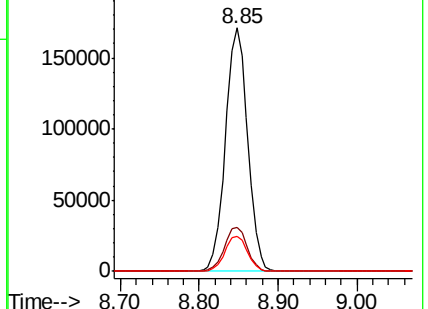
88 14.2 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 52.839 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW006060.D

Acq: 12 Oct 2018 21:12

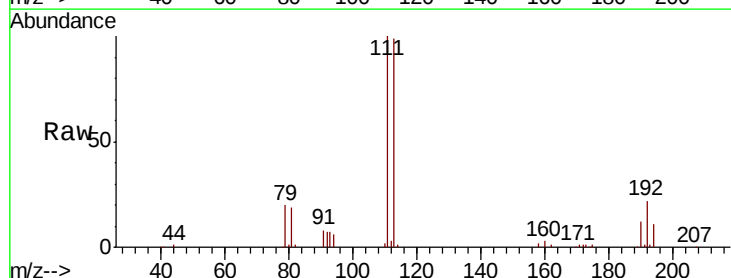
Tgt Ion:113 Resp: 112885

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

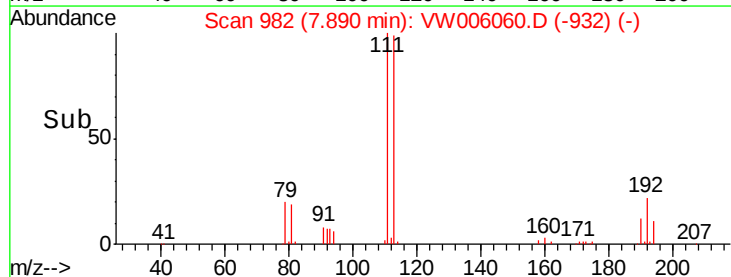
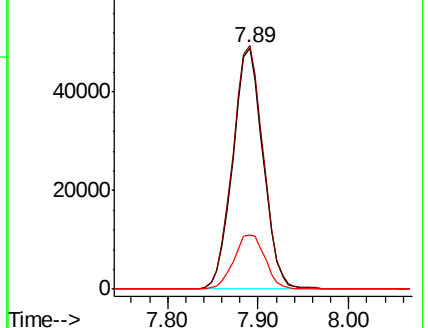
192 23.4 18.3 27.5

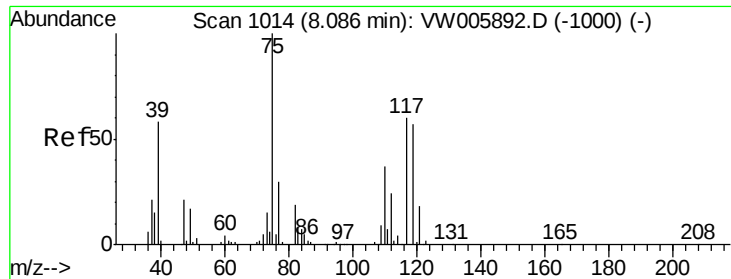


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

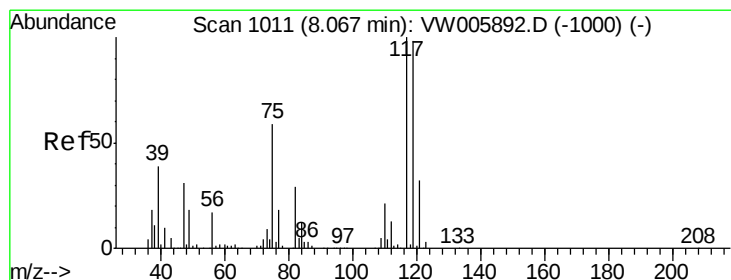
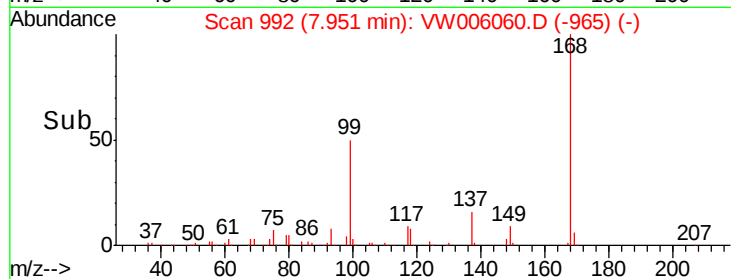
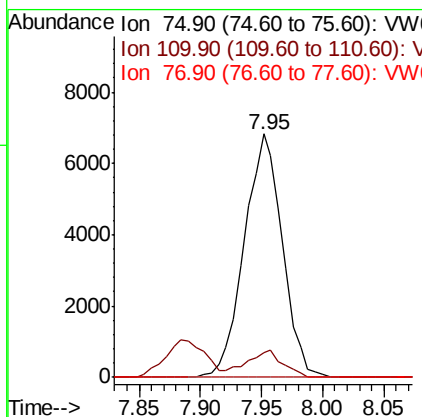
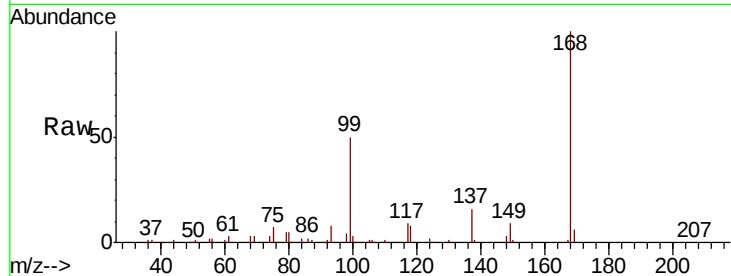




#36  
 1,1-Dichloropropene  
 Concen: 4.598 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.13 min  
 Lab File: VW006060.D  
 Acq: 12 Oct 2018 21:12

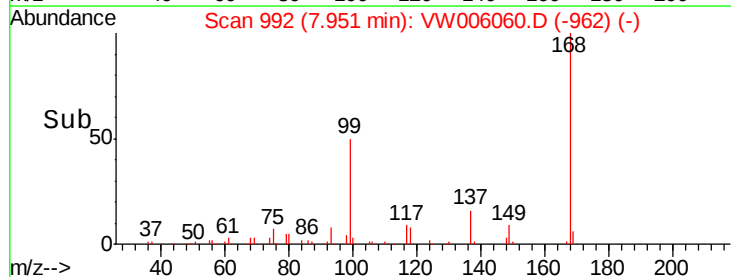
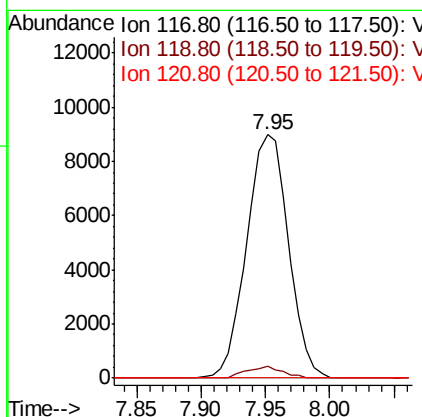
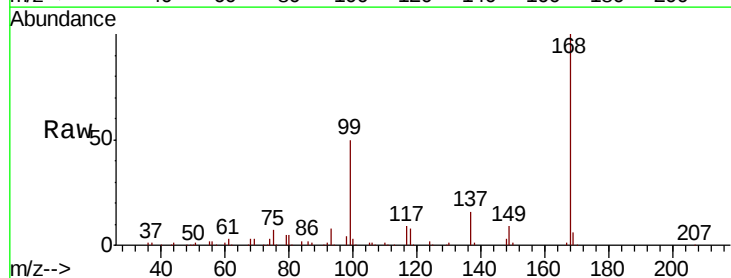
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 CL-02-101218-ERE

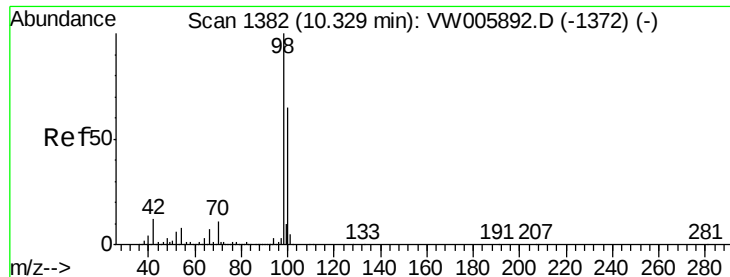
Tgt Ion: 75 Resp: 14742  
 Ion Ratio Lower Upper  
 75 100  
 110 10.5 18.6 56.0#  
 77 0.0 24.7 37.1#



#38  
 Carbon Tetrachloride  
 Concen: 5.859 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.12 min  
 Lab File: VW006060.D  
 Acq: 12 Oct 2018 21:12

Tgt Ion: 117 Resp: 20184  
 Ion Ratio Lower Upper  
 117 100  
 119 5.1 78.6 117.8#  
 121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 49.659 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006060.D

Acq: 12 Oct 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

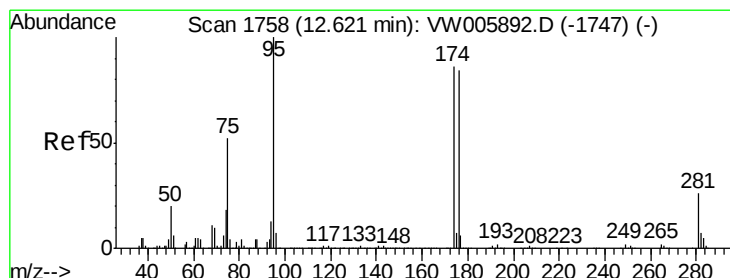
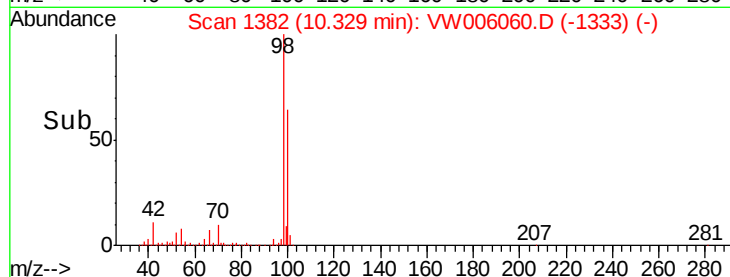
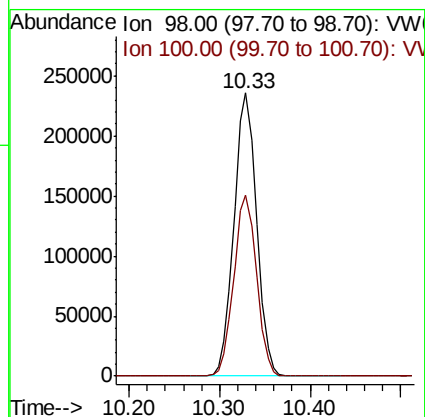
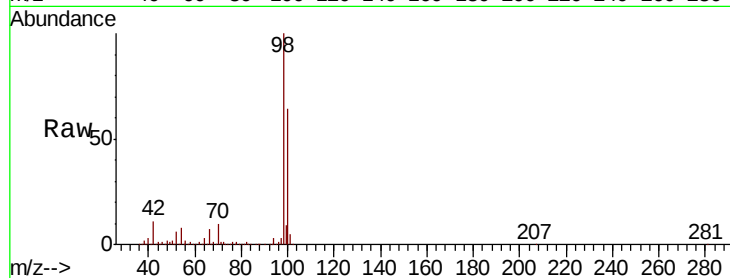
CL-02-101218-ERE

Tgt Ion: 98 Resp: 408180

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 47.195 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006060.D

Acq: 12 Oct 2018 21:12

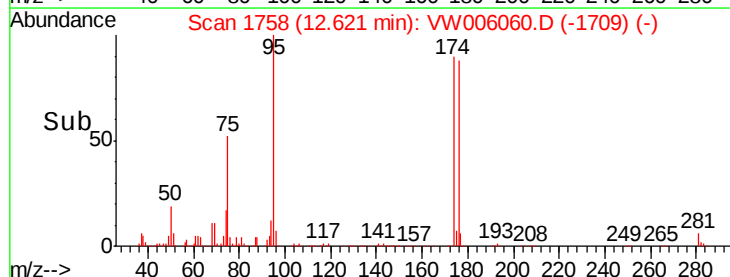
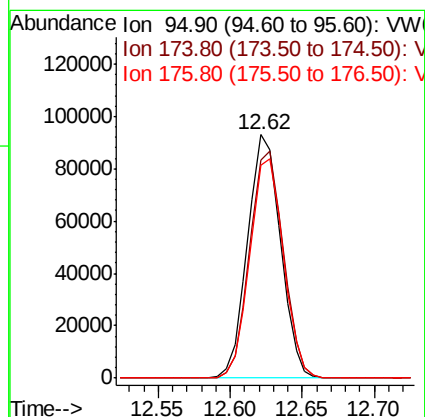
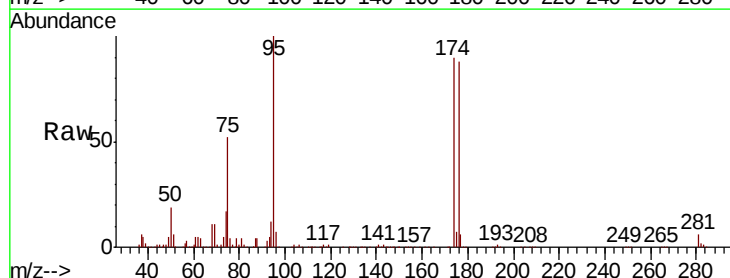
Tgt Ion: 95 Resp: 147591

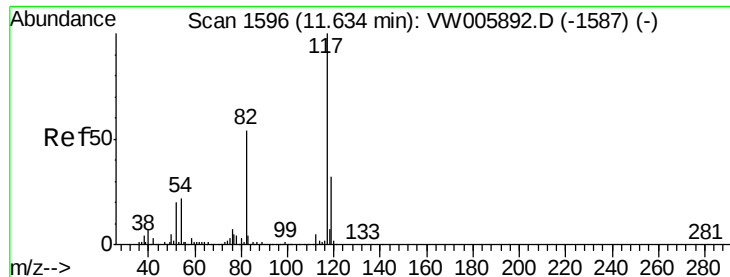
Ion Ratio Lower Upper

95 100

174 95.0 0.0 176.4

176 91.8 0.0 173.0

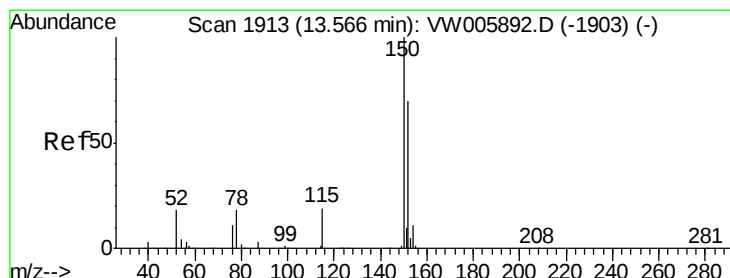
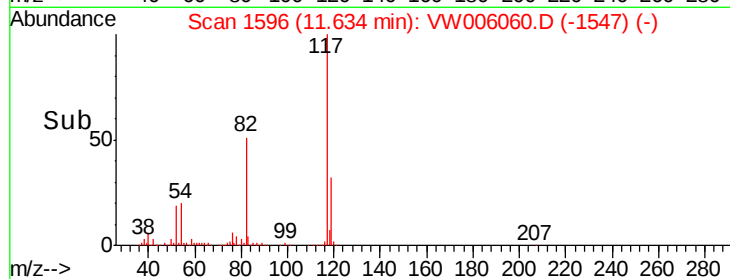
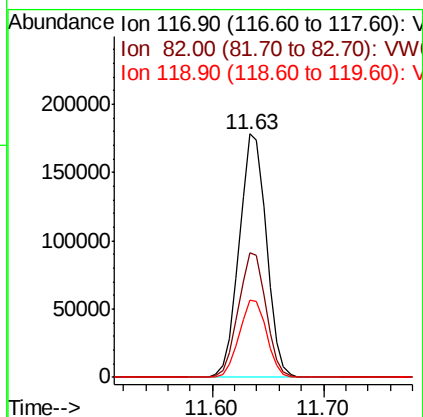
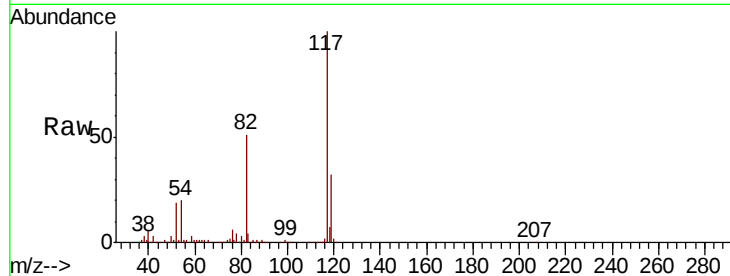




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006060.D  
Acq: 12 Oct 2018 21:12

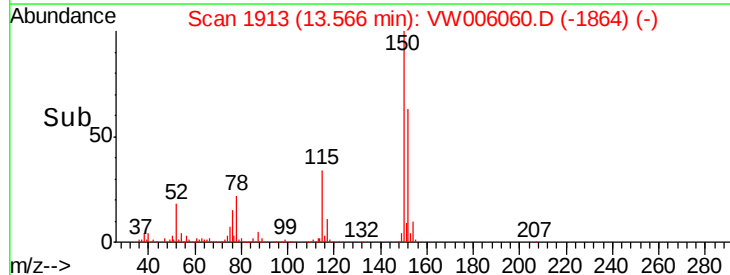
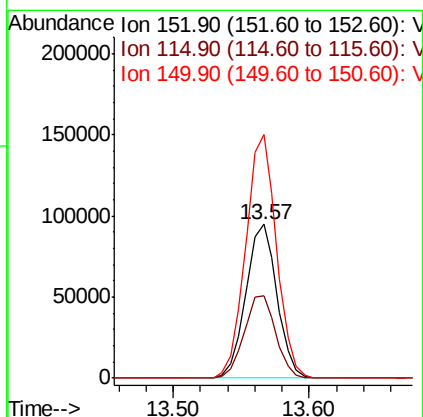
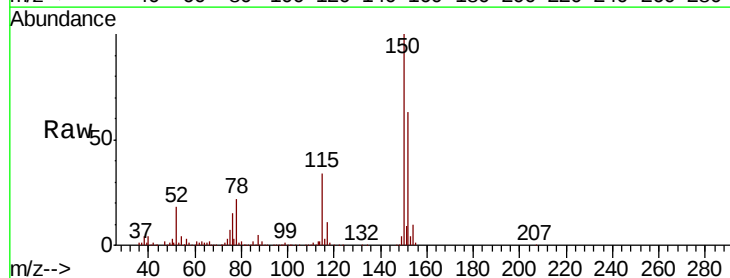
Instrument :  
MSVOA\_W  
ClientSampleId :  
CL-02-101218-ERE

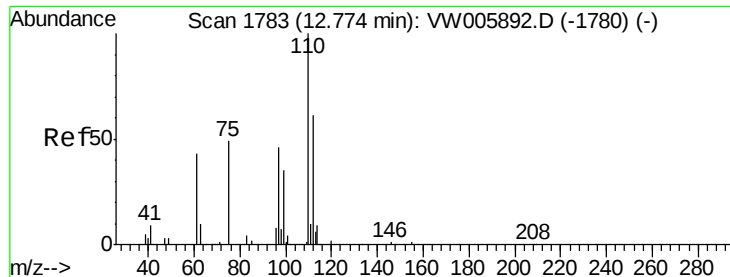
Tgt Ion:117 Resp: 301720  
Ion Ratio Lower Upper  
117 100  
82 51.3 43.5 65.3  
119 32.0 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW006060.D  
Acq: 12 Oct 2018 21:12

Tgt Ion:152 Resp: 151769  
Ion Ratio Lower Upper  
152 100  
115 54.6 28.3 85.0  
150 156.4 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 56.057 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006060.D

Acq: 12 Oct 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

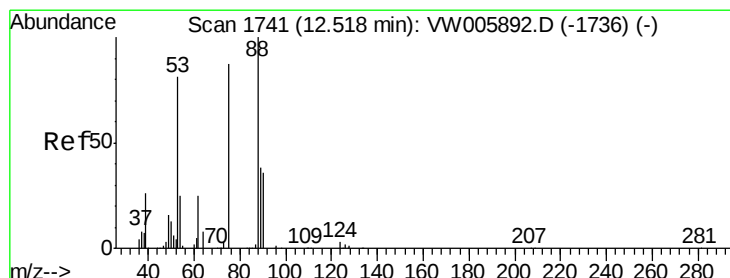
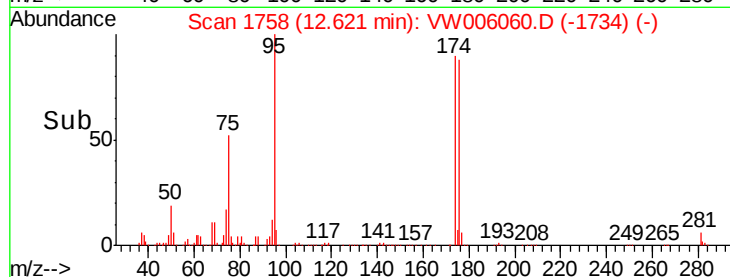
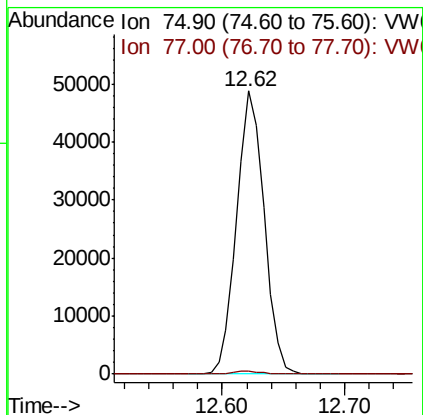
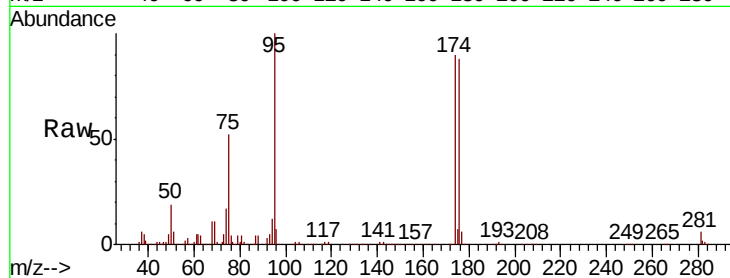
CL-02-101218-ERE

Tgt Ion: 75 Resp: 75997

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.342 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006060.D

Acq: 12 Oct 2018 21:12

Tgt Ion: 75 Resp: 75997

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 0.0 37.6 56.4#

