

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW101718\  
 Data File : VW006134.D  
 Acq On : 17 Oct 2018 18:36  
 Operator : VA/AP  
 Sample : J5539-04RE  
 Misc : 12.43G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-9-5-7FTRE

Quant Time: Oct 18 10:43:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 16 05:36:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 152888   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 222343   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 196120   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 98897    | 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   | 60452    | 47.69 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 95.38% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 55589    | 42.31 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 84.62% |          |
| 50) Toluene-d8              | 10.33 | 98   | 206159   | 41.24 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 82.48% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 75058    | 39.98 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 79.96% |          |

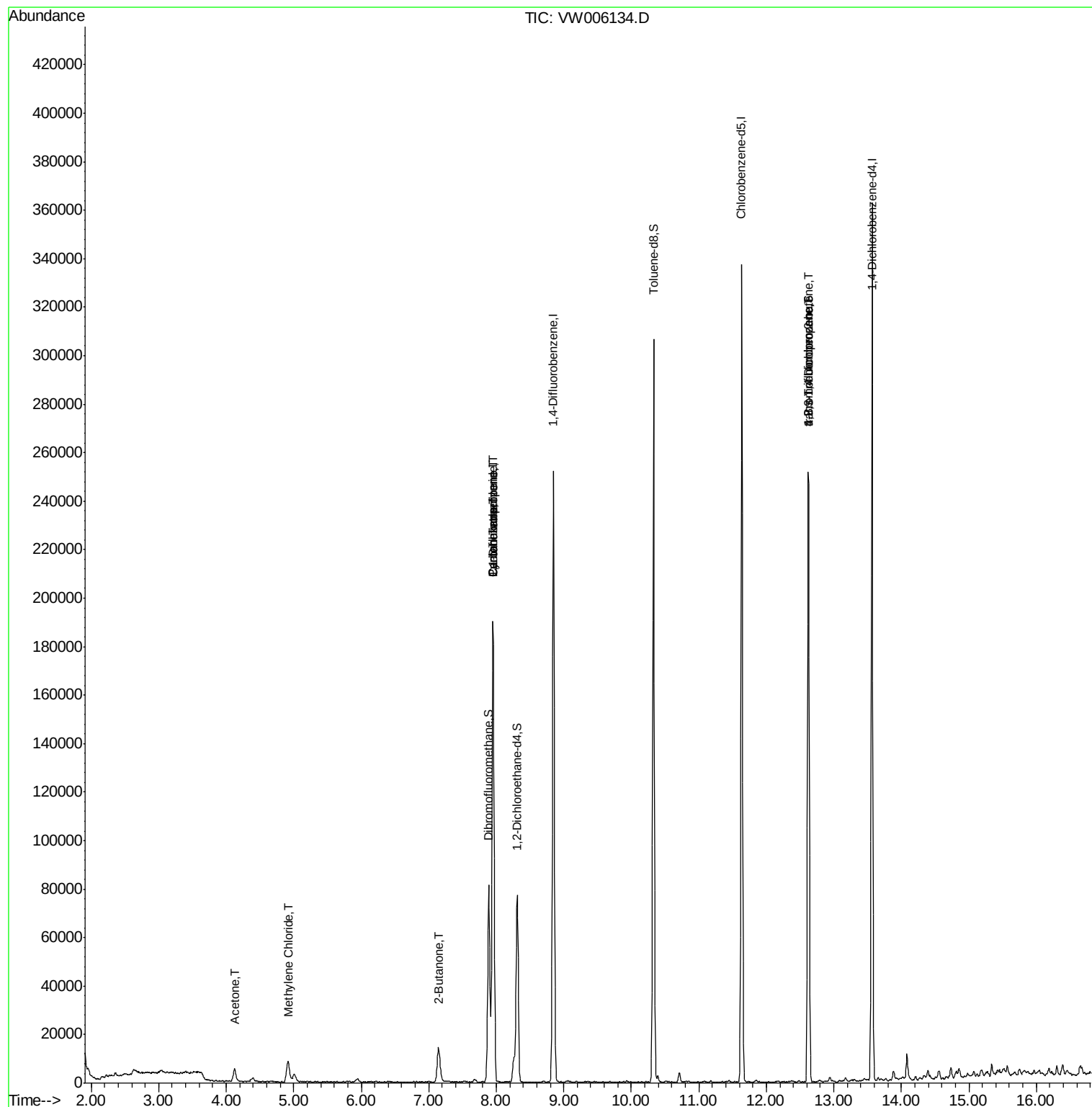
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 16) Acetone                    | 4.12  | 43   | 9397     | 26.27  | ug/l   | 97     |
| 20) Methylene Chloride         | 4.92  | 84   | 6724     | 3.50   | ug/l   | 94     |
| 25) 2-Butanone                 | 7.16  | 43   | 845      | 2.47   | ug/l # | 46     |
| 31) Cyclohexane                | 7.95  | 56   | 2821     | 1.22   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 10014    | 4.89   | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 14145    | 6.30   | ug/l # | 17     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 38057    | 50.38  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 38057    | 120.43 | ug/l # | 10     |

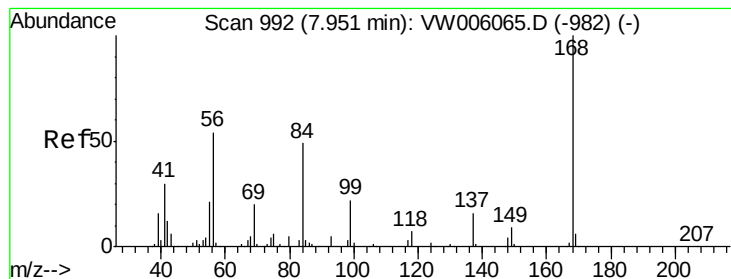
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW101718\  
Data File : VW006134.D  
Acq On : 17 Oct 2018 18:36  
Operator : VA/AP  
Sample : J5539-04RE  
Misc : 12.43G/5ML/MSVOA\_W/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-9-5-7FTRE

Quant Time: Oct 18 10:43:48 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 16 05:36:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006134.D

Acq: 17 Oct 2018 18:36

Instrument :

MSVOA\_W

ClientSampleId :

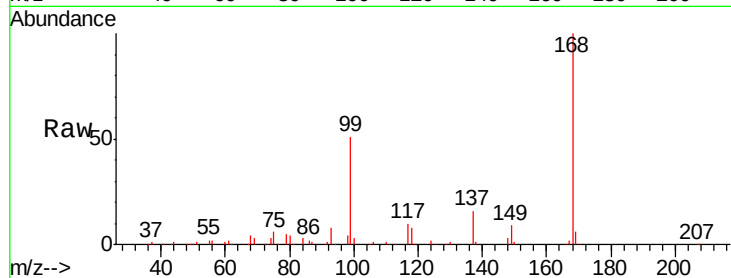
SB-9-5-7FTRE

Tgt Ion:168 Resp: 152888

Ion Ratio Lower Upper

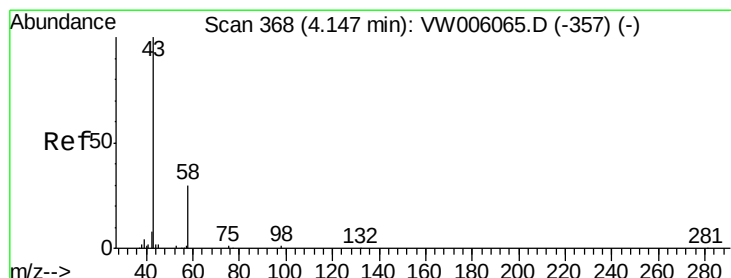
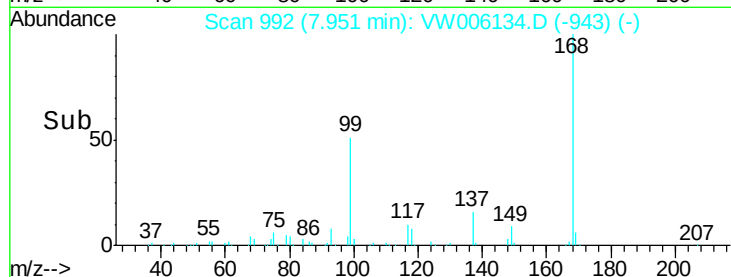
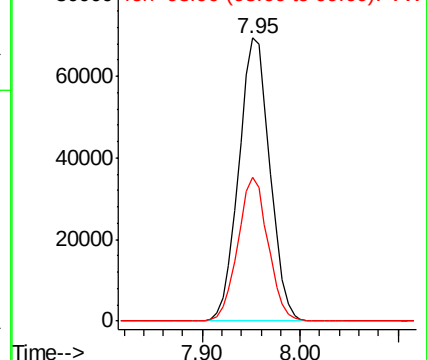
168 100

99 50.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 26.27 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.03 min

Lab File: VW006134.D

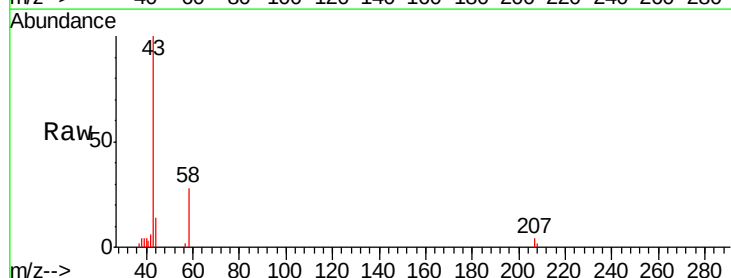
Acq: 17 Oct 2018 18:36

Tgt Ion: 43 Resp: 9397

Ion Ratio Lower Upper

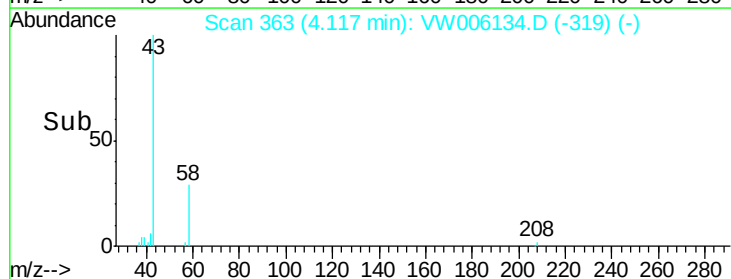
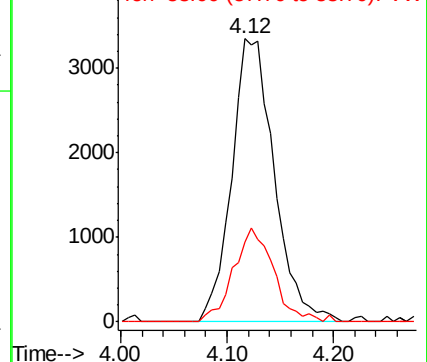
43 100

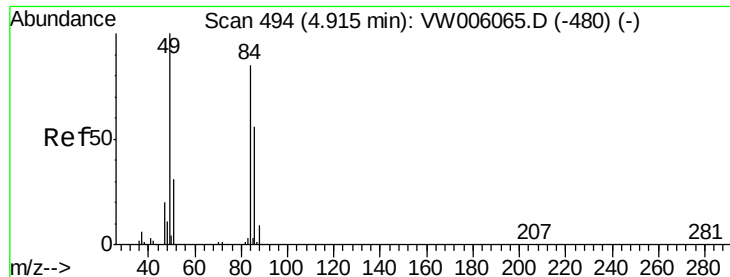
58 28.3 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

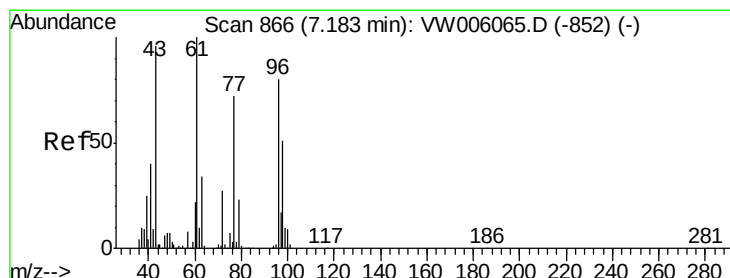
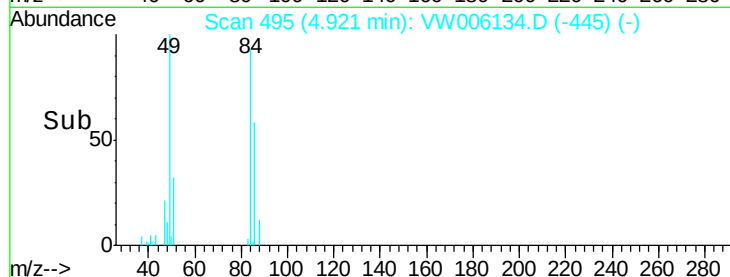
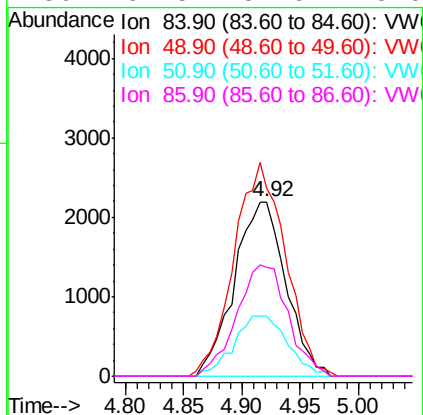
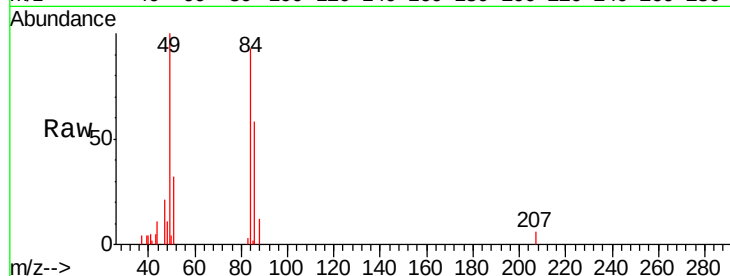




#20  
Methylene Chloride  
Concen: 3.50 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW006134.D  
Acq: 17 Oct 2018 18:36

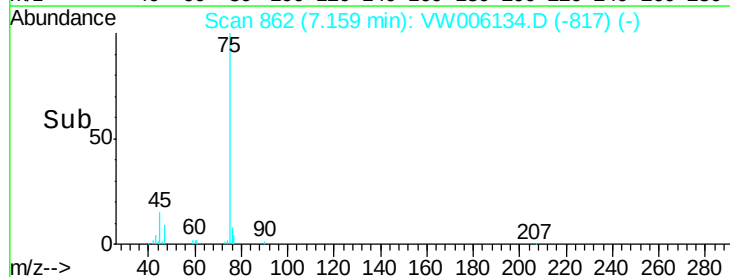
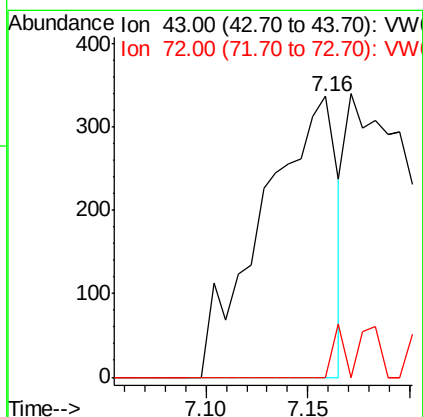
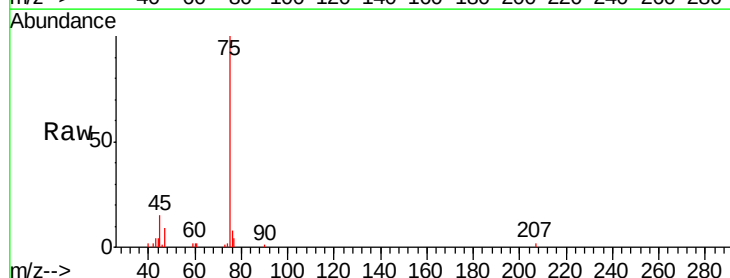
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-9-5-7FTRE

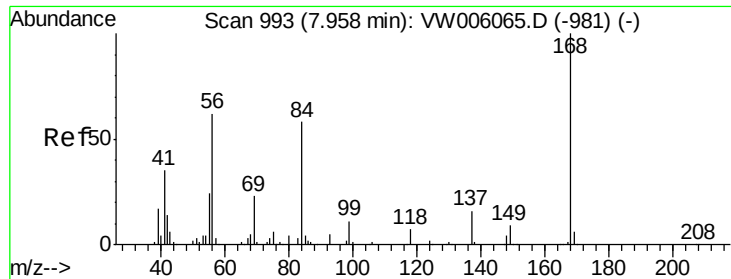
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 6724  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 107.6 | 93.6  | 140.4 |
| 51       | 34.2  | 29.0  | 43.4  |
| 86       | 62.5  | 52.6  | 79.0  |



#25  
2-Butanone  
Concen: 2.47 ug/l  
RT: 7.16 min Scan# 862  
Delta R.T. -0.02 min  
Lab File: VW006134.D  
Acq: 17 Oct 2018 18:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 845   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 22.8  | 34.2# |

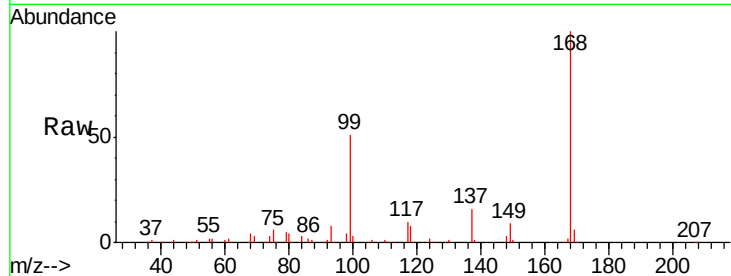




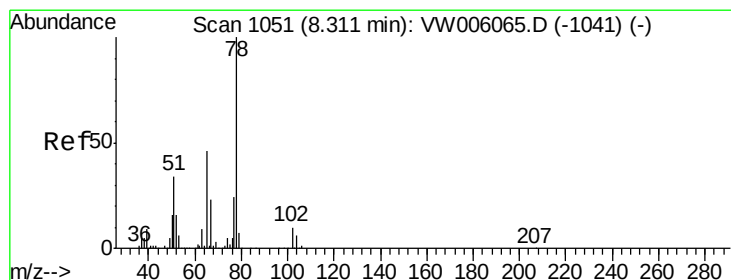
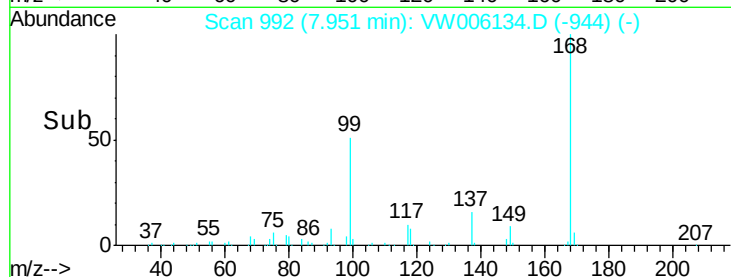
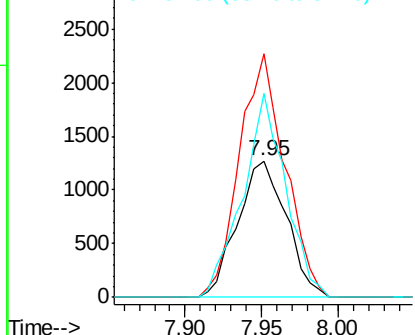
#31  
Cyclohexane  
Concen: 1.22 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: VW006134.D  
Acq: 17 Oct 2018 18:36

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-9-5-7FTRE

Tgt Ion: 56 Resp: 2821  
Ion Ratio Lower Upper  
56 100  
69 178.6 29.4 44.0#  
84 149.9 74.0 111.0#

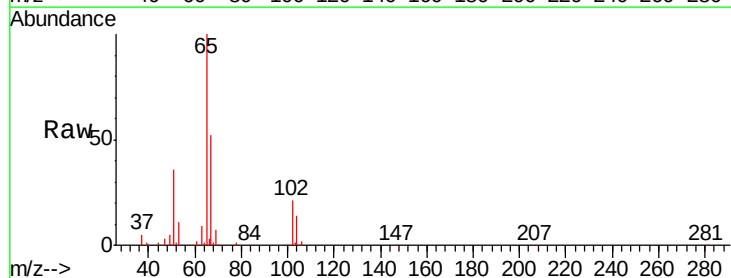


Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

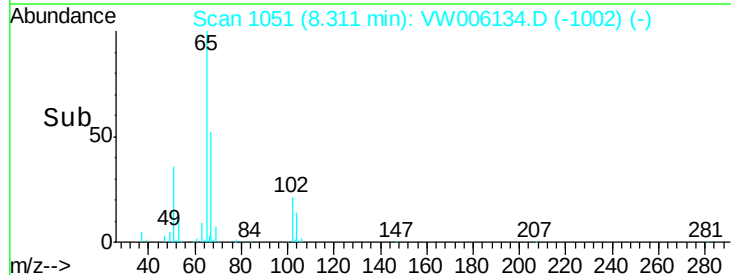
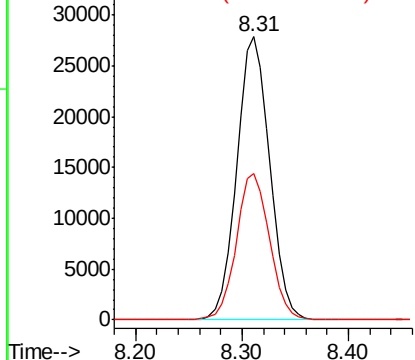


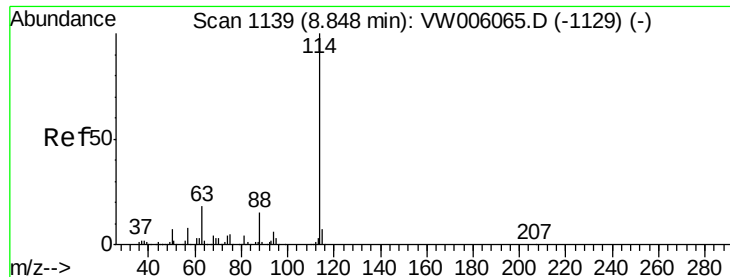
#33  
1,2-Dichloroethane-d4  
Concen: 47.69 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VW006134.D  
Acq: 17 Oct 2018 18:36

Tgt Ion: 65 Resp: 60452  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 101.0



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

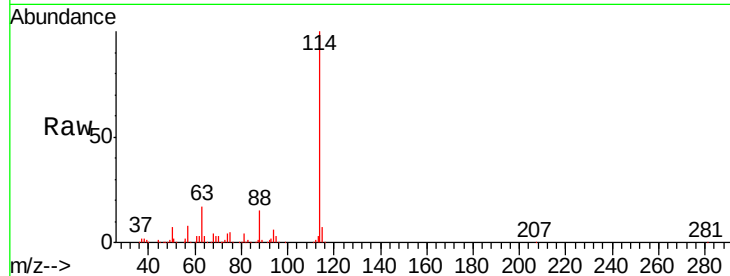




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW006134.D  
 Acq: 17 Oct 2018 18:36

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-9-5-7FTRE

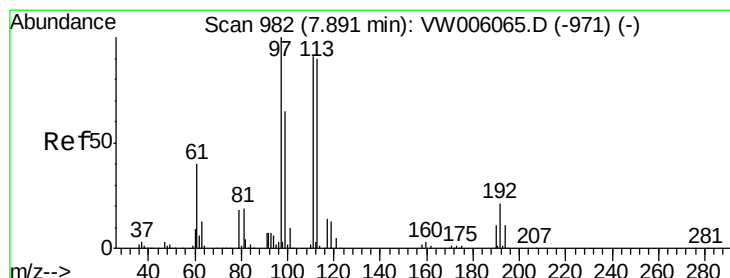
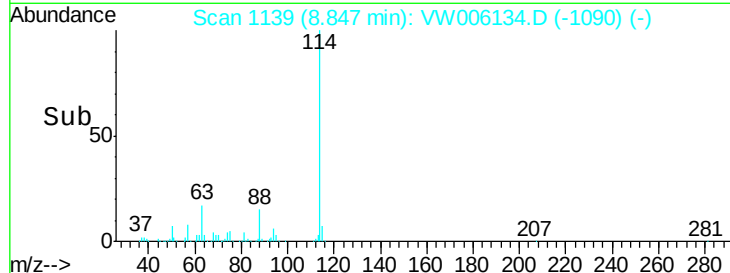
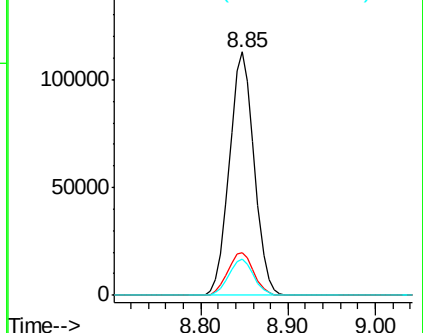
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.4  | 0.0   | 36.8  |
| 88      | 14.7  | 0.0   | 29.0  |



Abundance Ion 113.90 (113.60 to 114.60): V

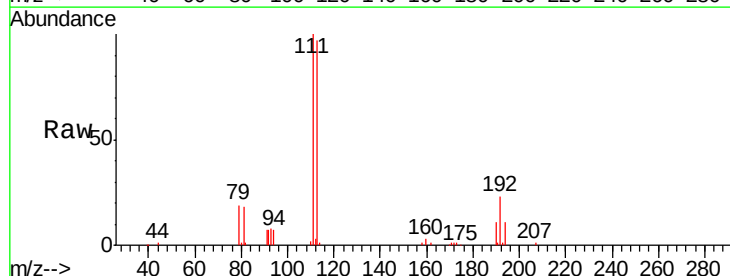
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35  
 Dibromofluoromethane  
 Concen: 42.31 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW006134.D  
 Acq: 17 Oct 2018 18:36

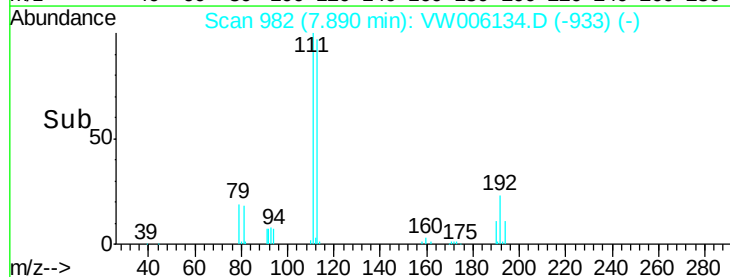
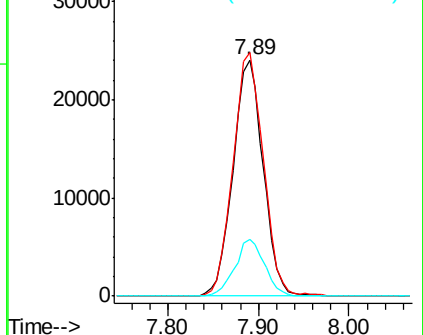
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.3 | 81.4  | 122.0 |
| 192     | 23.3  | 18.7  | 28.1  |

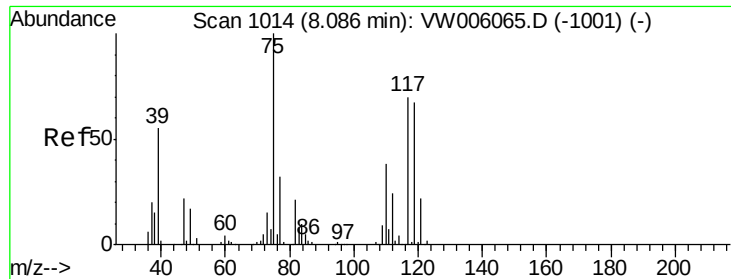


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

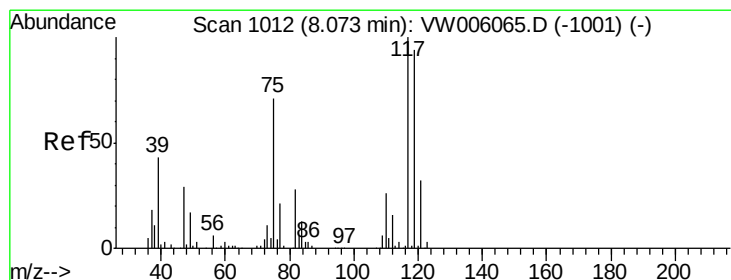
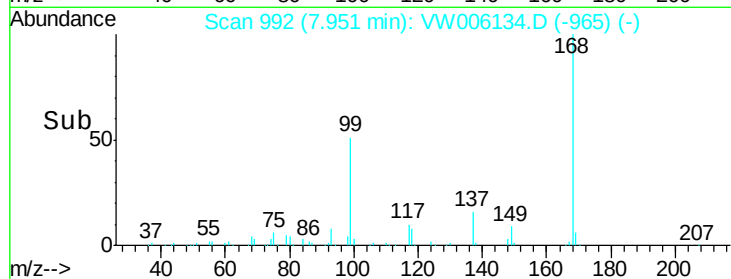
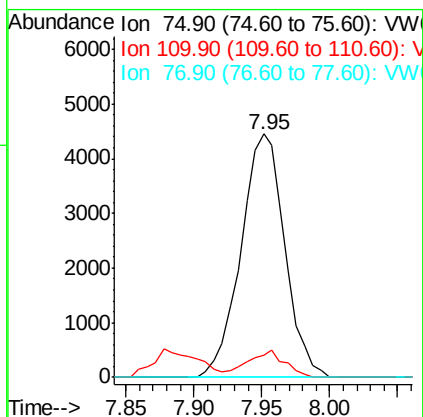
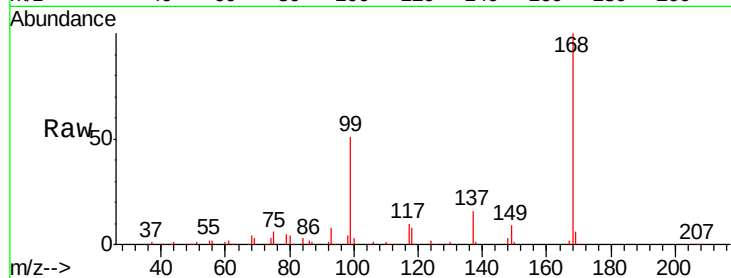




#36  
 1,1-Dichloropropene  
 Concen: 4.89 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.13 min  
 Lab File: VW006134.D  
 Acq: 17 Oct 2018 18:36

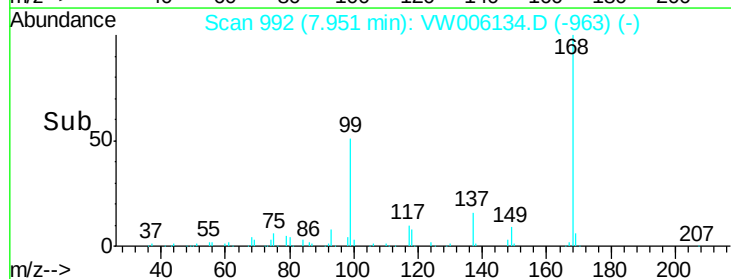
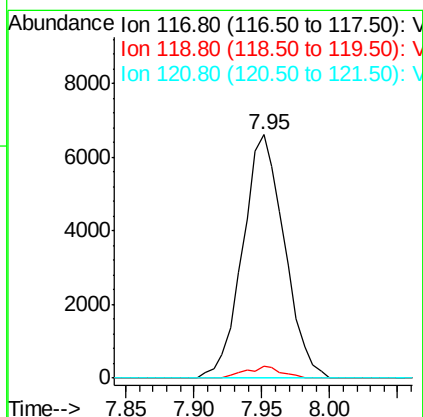
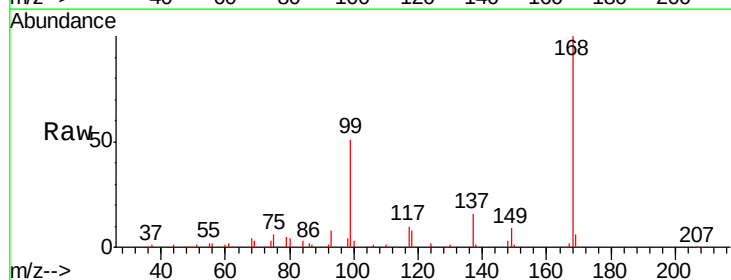
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-9-5-7FTRE

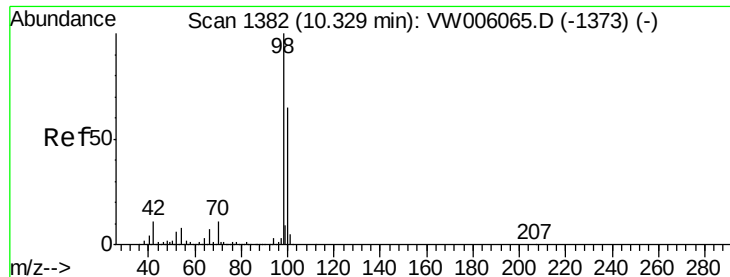
Tgt Ion: 75 Resp: 10014  
 Ion Ratio Lower Upper  
 75 100  
 110 9.4 19.1 57.1#  
 77 0.0 25.0 37.4#



#38  
 Carbon Tetrachloride  
 Concen: 6.30 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.12 min  
 Lab File: VW006134.D  
 Acq: 17 Oct 2018 18:36

Tgt Ion: 117 Resp: 14145  
 Ion Ratio Lower Upper  
 117 100  
 119 5.1 75.2 112.8#  
 121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 41.24 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006134.D

Acq: 17 Oct 2018 18:36

Instrument :

MSVOA\_W

ClientSampleId :

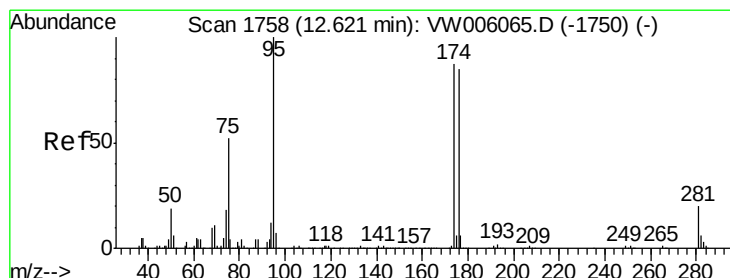
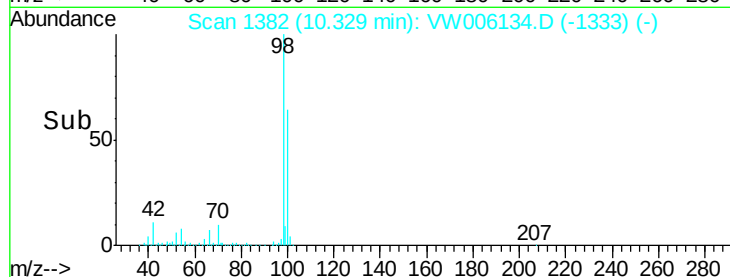
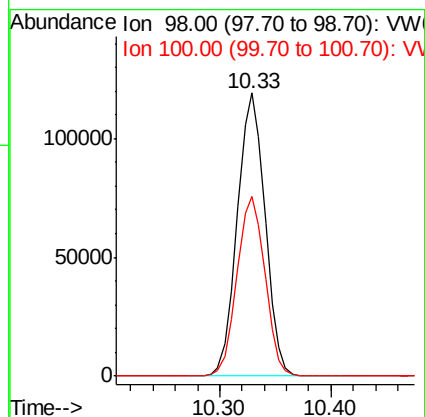
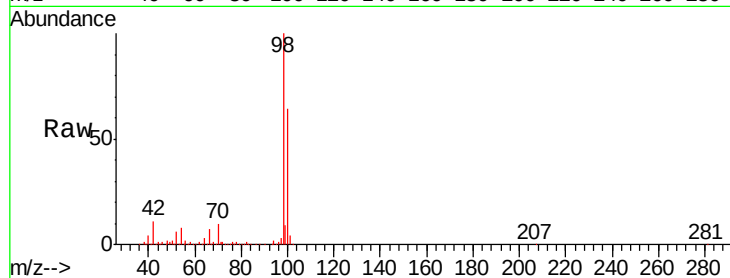
SB-9-5-7FTRE

Tgt Ion: 98 Resp: 206159

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 39.98 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006134.D

Acq: 17 Oct 2018 18:36

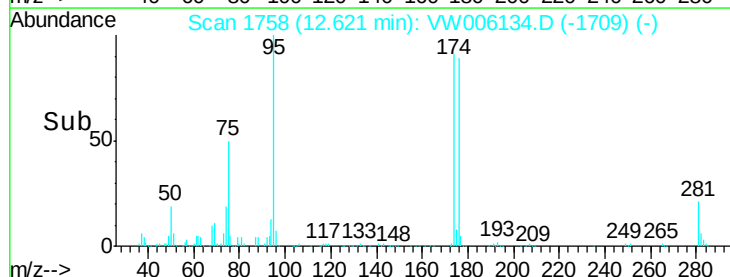
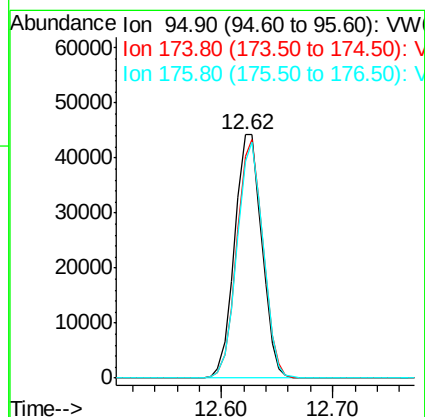
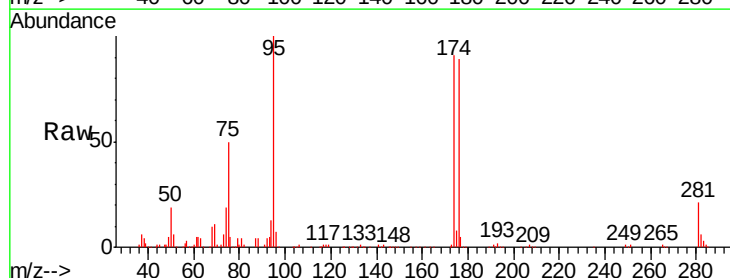
Tgt Ion: 95 Resp: 75058

Ion Ratio Lower Upper

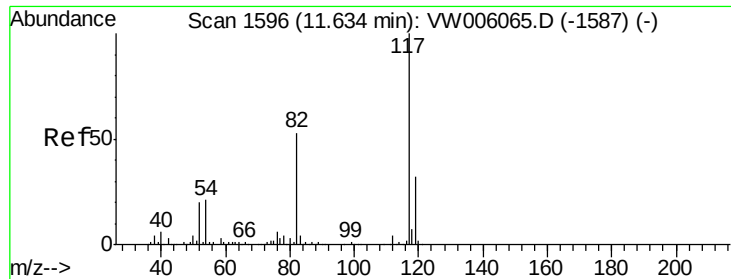
95 100

174 93.6 0.0 186.0

176 92.1 0.0 181.6



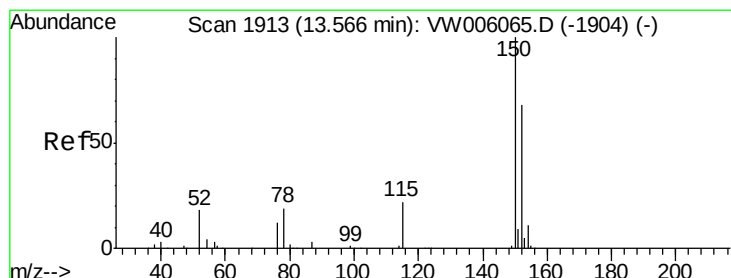
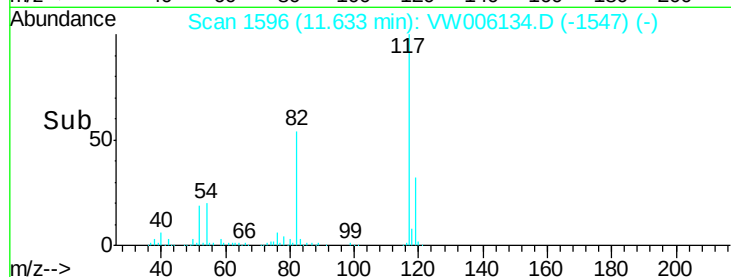
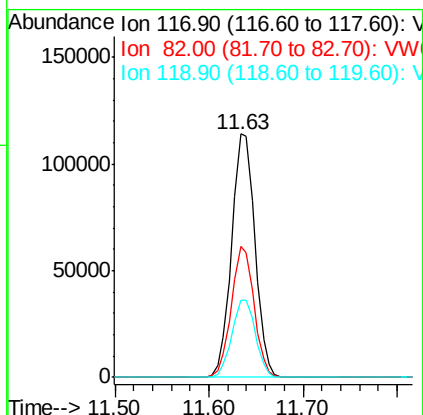
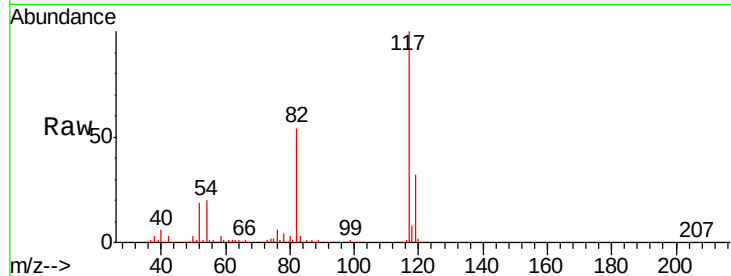




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006134.D  
Acq: 17 Oct 2018 18:36

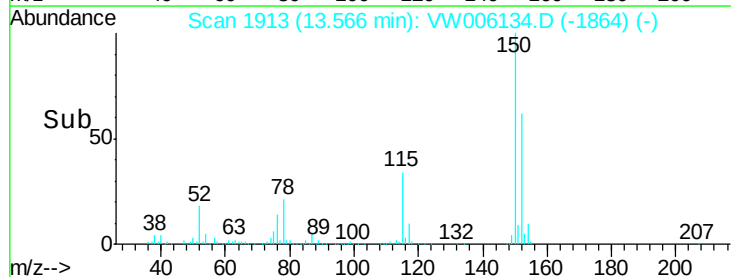
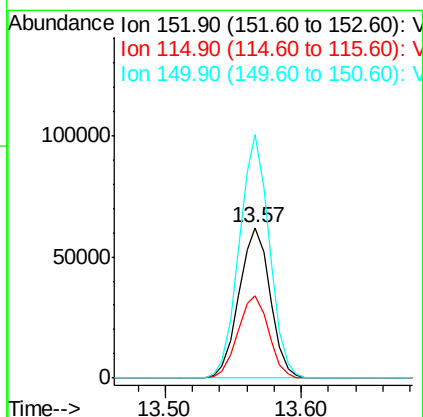
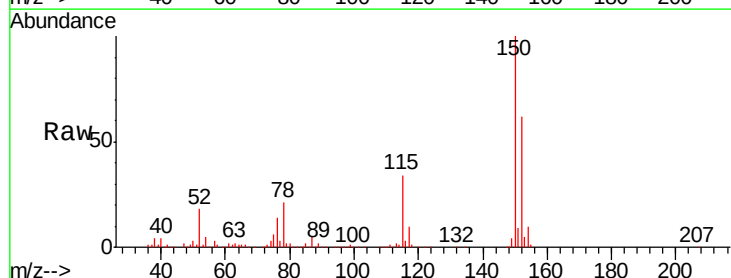
Instrument :  
MSVOA\_W  
ClientSampled :  
SB-9-5-7FTRE

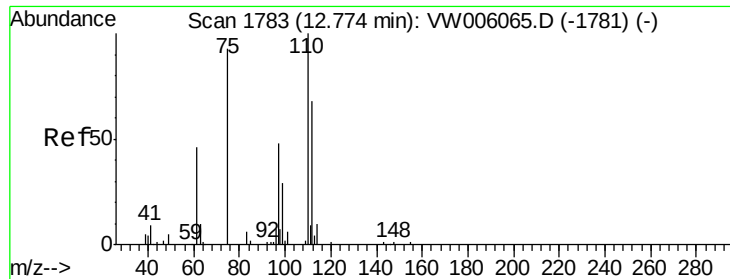
Tgt Ion:117 Resp: 196120  
Ion Ratio Lower Upper  
117 100  
82 53.7 42.1 63.1  
119 31.6 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW006134.D  
Acq: 17 Oct 2018 18:36

Tgt Ion:152 Resp: 98897  
Ion Ratio Lower Upper  
152 100  
115 54.4 27.8 83.3  
150 156.5 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 50.38 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006134.D

Acq: 17 Oct 2018 18:36

Instrument :

MSVOA\_W

ClientSampleId :

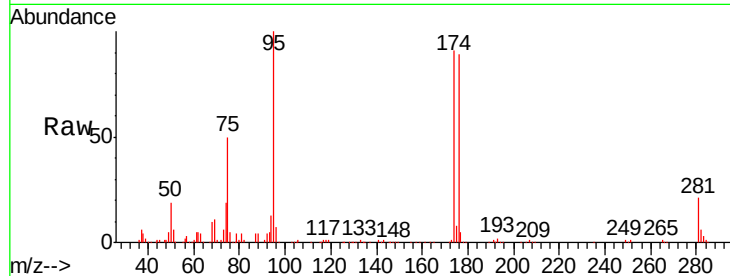
SB-9-5-7FTRE

Tgt Ion: 75 Resp: 38057

Ion Ratio Lower Upper

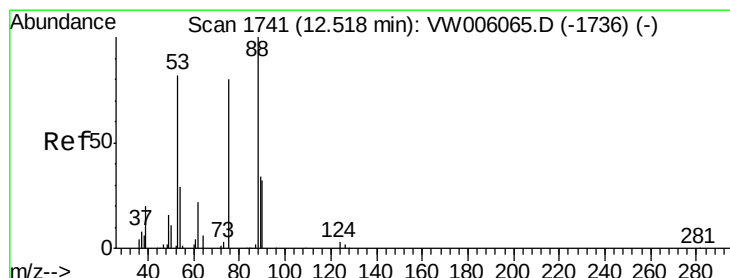
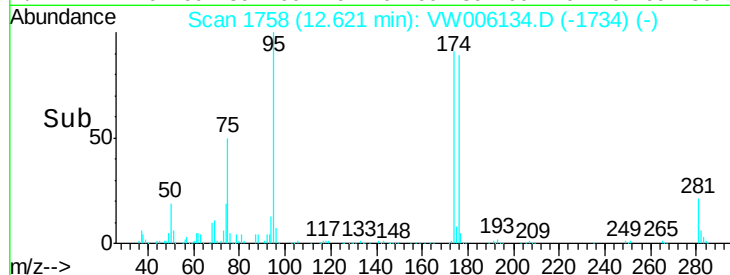
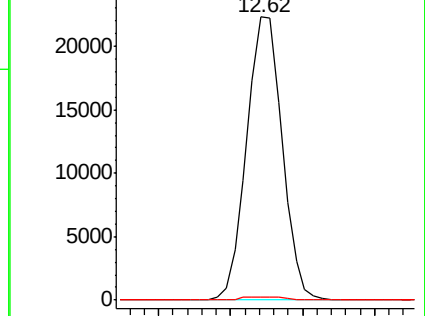
75 100

77 1.3 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: 120.43 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006134.D

Acq: 17 Oct 2018 18:36

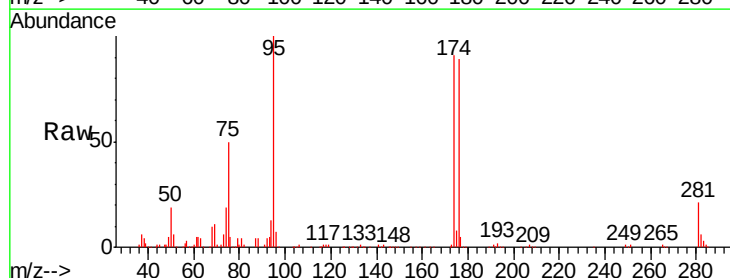
Tgt Ion: 75 Resp: 38057

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



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

