

Data File : VW008611.D
Acq On : 11 Feb 2019 21:22
Operator : SY/VA
Sample : K1459-07RE
Misc : 4.24G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
M-10-DRE

Quant Time: Feb 12 04:36:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	446644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	717154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	657859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	316266	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	243419	55.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.96%	
35) Dibromofluoromethane	7.88	113	225412	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
50) Toluene-d8	10.32	98	856113	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.62	95	316929	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	

Target Compounds

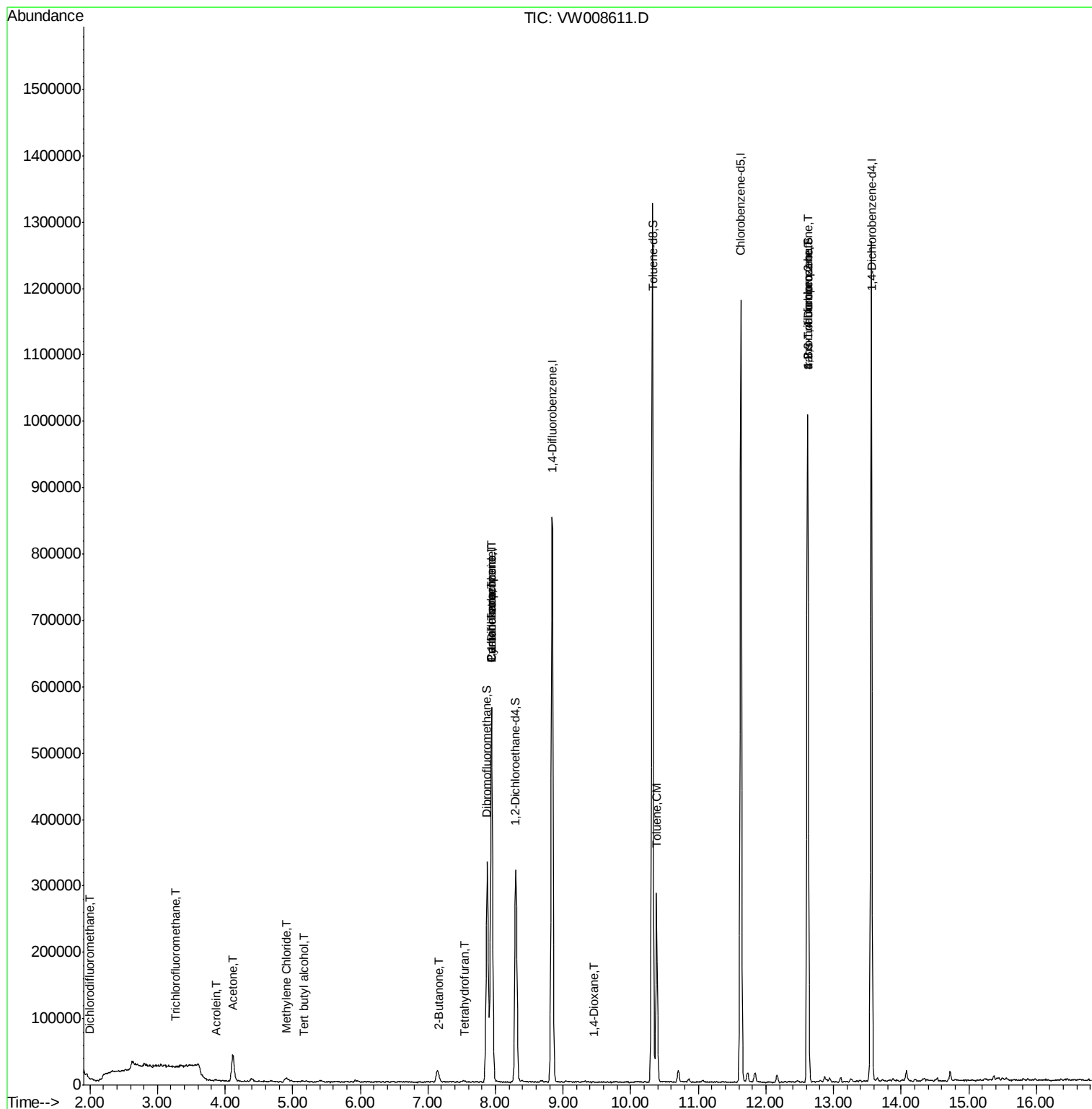
						Qvalue
2) Dichlorodifluoromethane	2.01	85	236	3.338	ug/l #	41
7) Trichlorofluoromethane	3.28	101	228	4.776	ug/l #	17
11) Tert butyl alcohol	5.17	59	1036	2.933	ug/l #	82
13) Acrolein	3.88	56	224	4.892	ug/l #	14
16) Acetone	4.11	43	71657	72.722	ug/l	98
20) Methylene Chloride	4.90	84	5231	1.152	ug/l #	80
25) 2-Butanone	7.16	43	2158	1.577	ug/l #	78
29) Tetrahydrofuran	7.54	42	1168	1.347	ug/l #	68
31) Cyclohexane	7.94	56	11205	1.301	ug/l #	34
36) 1,1-Dichloropropene	7.94	75	32165	4.748	ug/l #	51
38) Carbon Tetrachloride	7.95	117	40903	6.000	ug/l #	17
49) 1,4-Dioxane	9.45	88	82	2.012	ug/l #	45
52) Toluene	10.38	92	118197	9.525	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	164675	59.888	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	164675	118.284	ug/l #	12

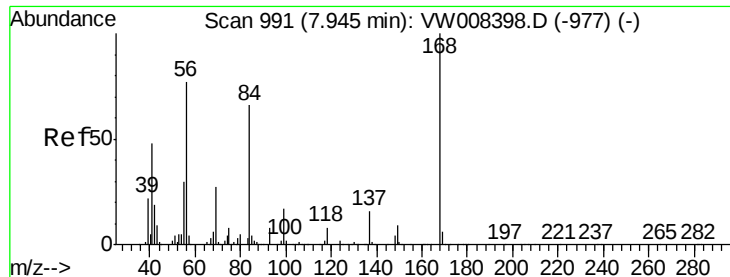
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW008611.D
Acq On : 11 Feb 2019 21:22
Operator : SY/VA
Sample : K1459-07RE
Misc : 4.24G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
M-10-DRE

Quant Time: Feb 12 04:36:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008611.D

Acq: 11 Feb 2019 21:22

Instrument :

MSVOA_W

ClientSampleId :

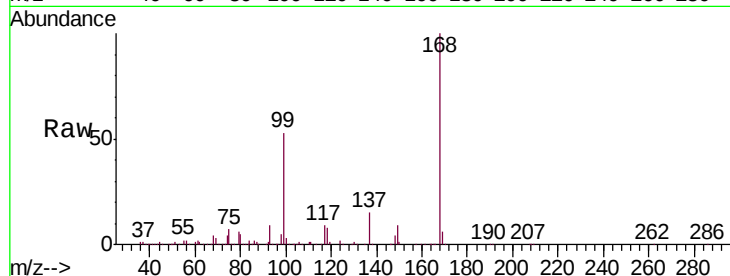
M-10-DRE

Tgt Ion:168 Resp: 446644

Ion Ratio Lower Upper

168 100

99 53.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

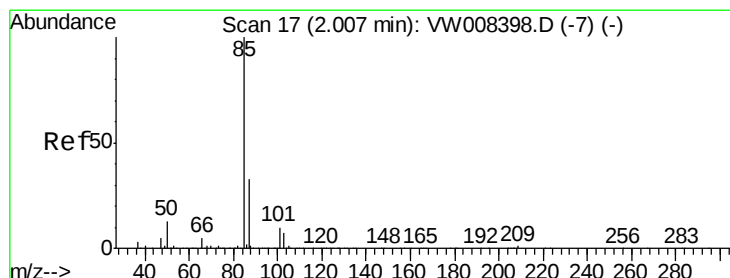
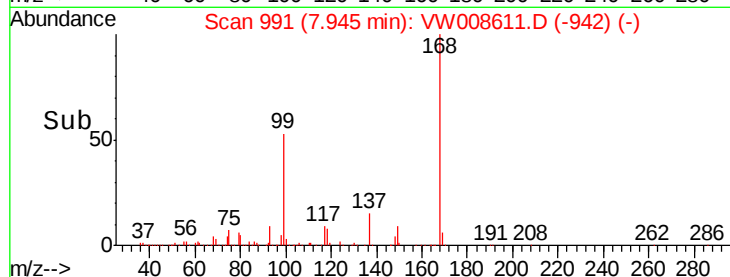
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.338 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008611.D

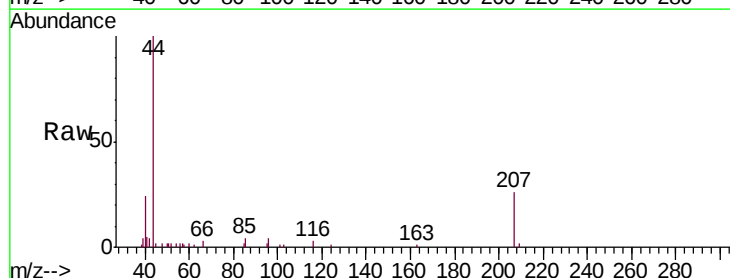
Acq: 11 Feb 2019 21:22

Tgt Ion: 85 Resp: 236

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

250

200

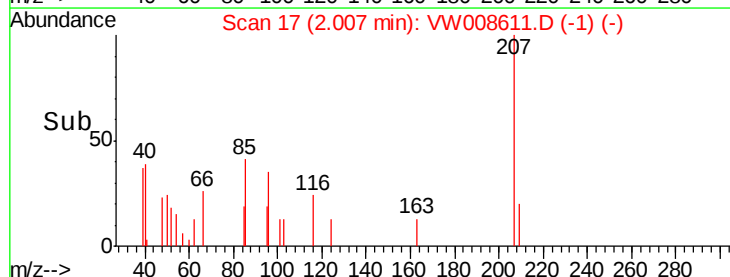
150

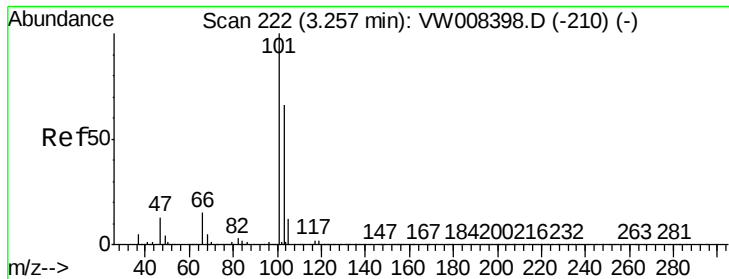
100

50

0

Time-->



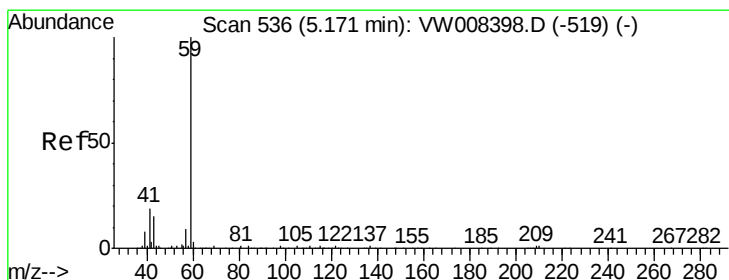
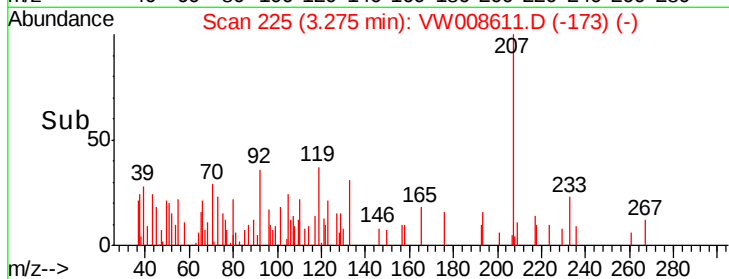
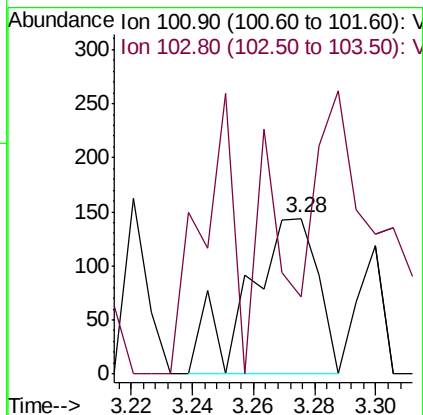
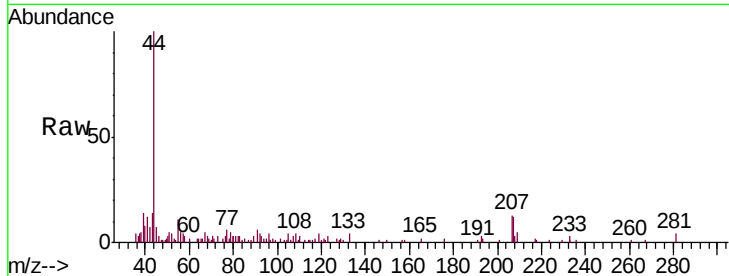


#7

Trichlorofluoromethane
Concen: 4.776 ug/l
RT: 3.28 min Scan# 225
Delta R.T. 0.02 min
Lab File: VW008611.D
Acq: 11 Feb 2019 21:22

Instrument :
MSVOA_W
ClientSampleId :
M-10-DRE

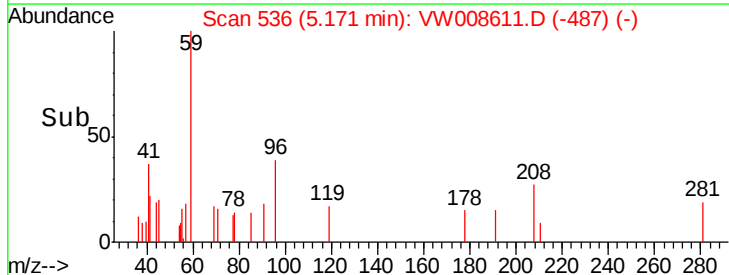
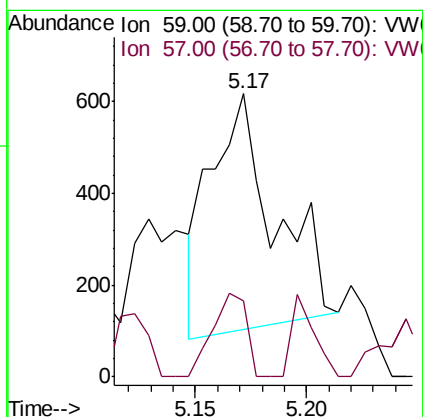
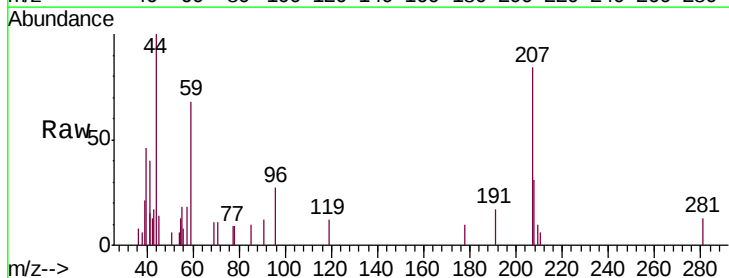
Tgt Ion: 101 Resp: 228
Ion Ratio Lower Upper
101 100
103 0.0 52.5 78.7#

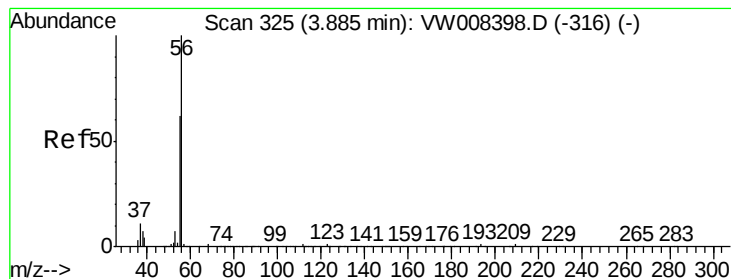


#11

Tert butyl alcohol
Concen: 2.933 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW008611.D
Acq: 11 Feb 2019 21:22

Tgt Ion: 59 Resp: 1036
Ion Ratio Lower Upper
59 100
57 18.4 9.3 13.9#





#13

Acrolein

Concen: 4.892 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008611.D

Acq: 11 Feb 2019 21:22

Instrument :

MSVOA_W

ClientSampleId :

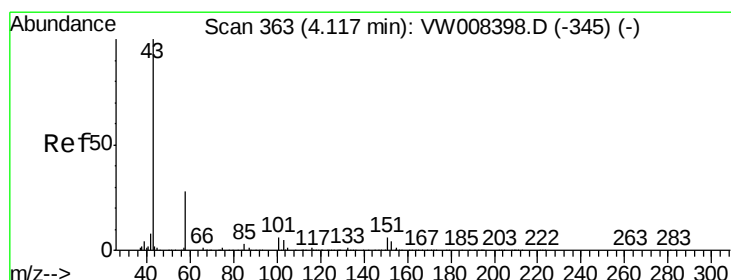
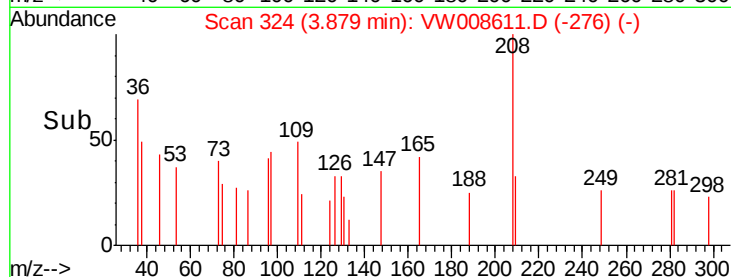
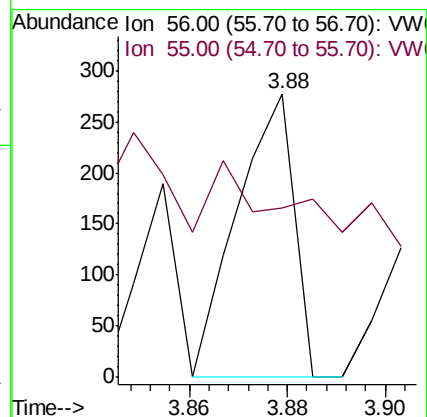
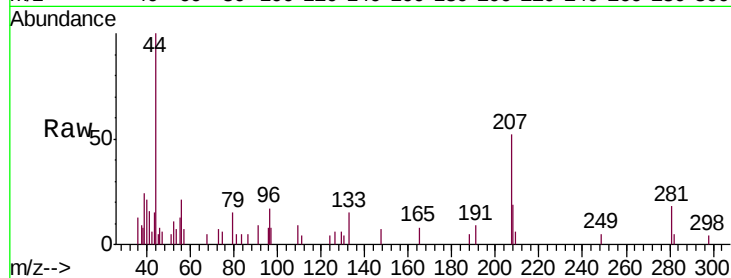
M-10-DRE

Tgt Ion: 56 Resp: 224

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 72.722 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW008611.D

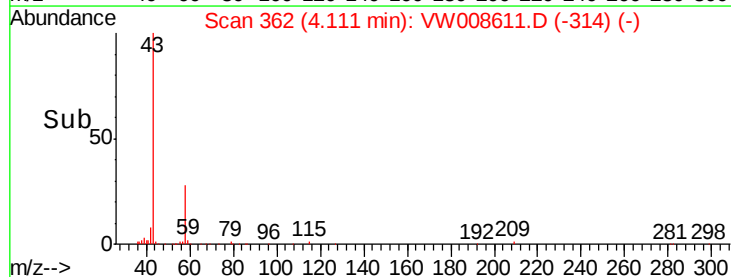
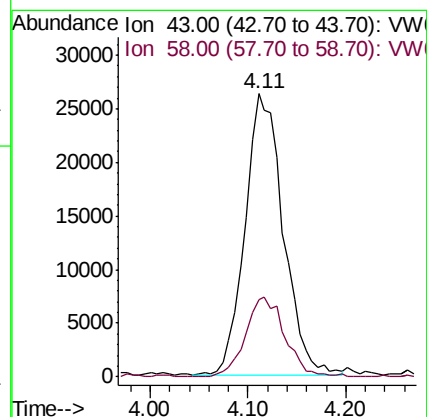
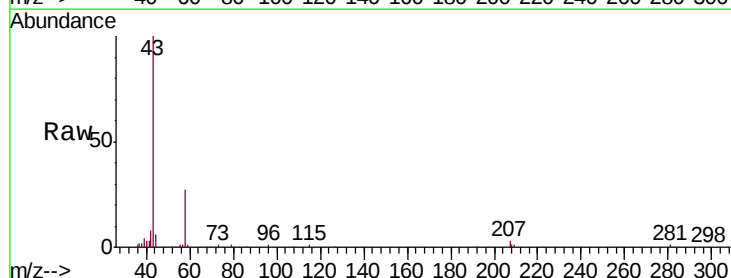
Acq: 11 Feb 2019 21:22

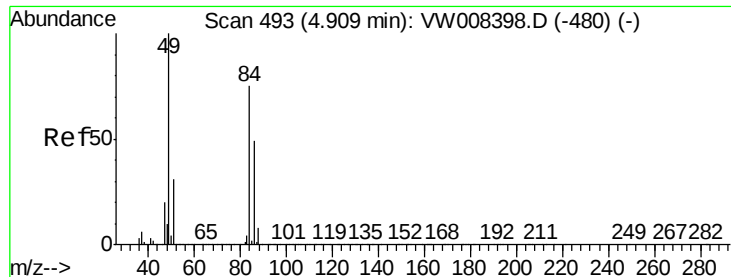
Tgt Ion: 43 Resp: 71657

Ion Ratio Lower Upper

43 100

58 27.5 22.6 34.0





#20

Methylene Chloride

Concen: 1.152 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW008611.D

Acq: 11 Feb 2019 21:22

Instrument :

MSVOA_W

ClientSampleId :

M-10-DRE

Tgt Ion: 84 Resp: 5231

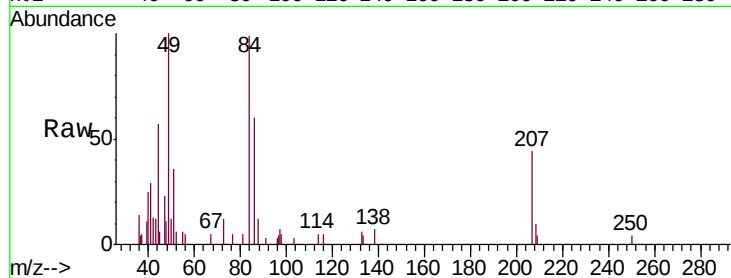
Ion Ratio Lower Upper

84 100

49 100.7 106.8 160.2#

51 31.5 32.9 49.3#

86 60.8 52.2 78.2



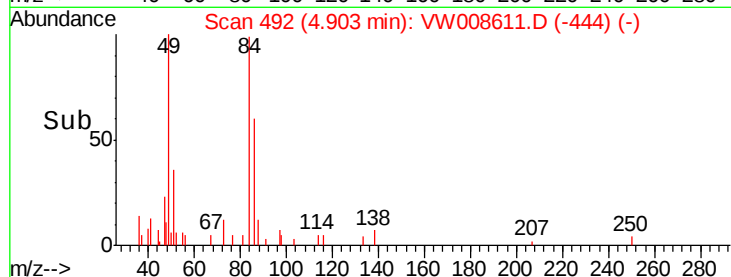
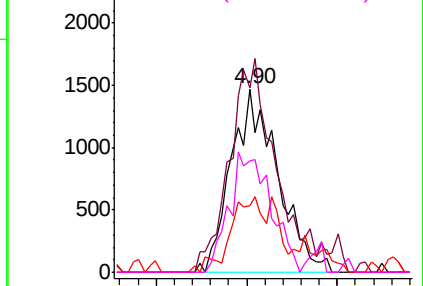
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 1.577 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008611.D

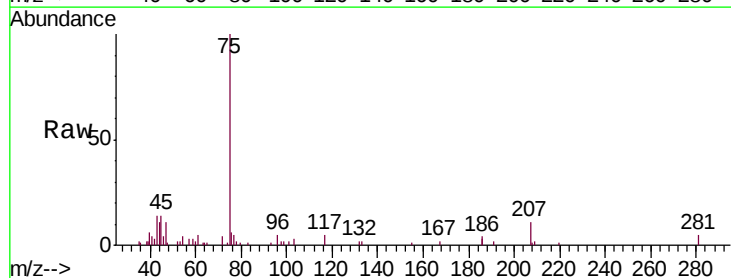
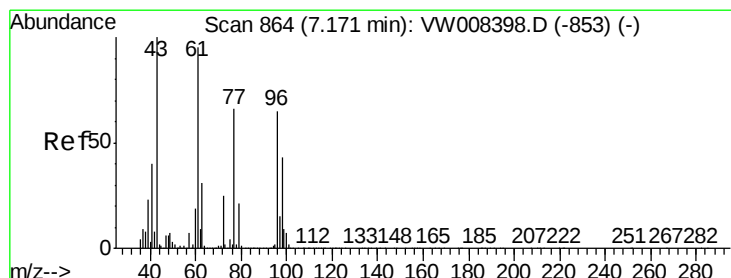
Acq: 11 Feb 2019 21:22

Tgt Ion: 43 Resp: 2158

Ion Ratio Lower Upper

43 100

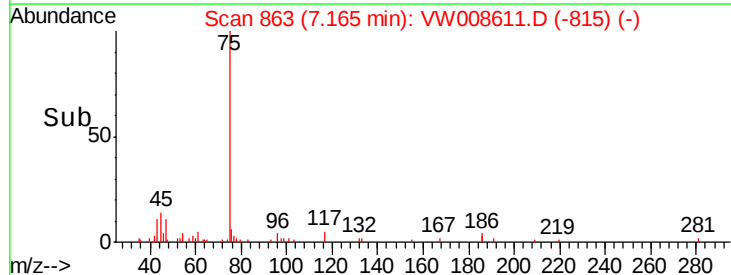
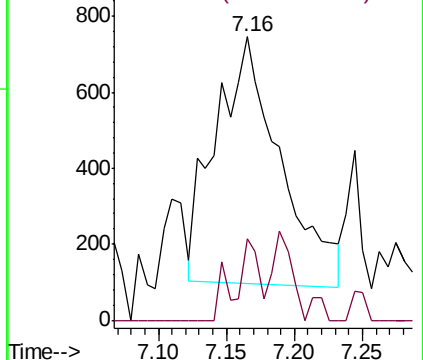
72 36.1 20.1 30.1#

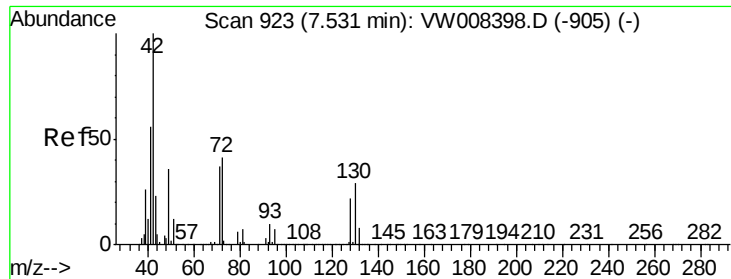


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

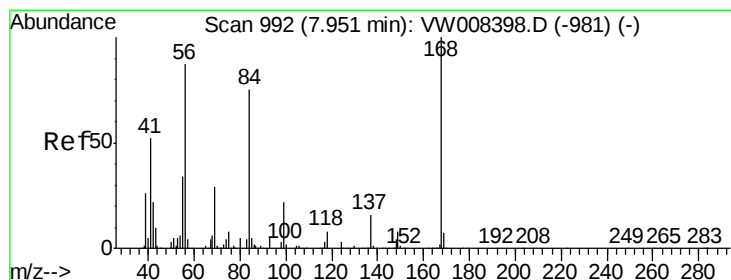
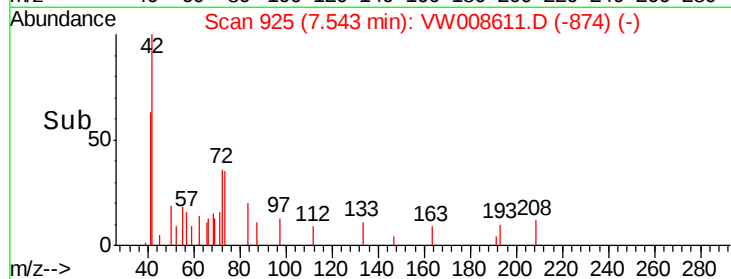
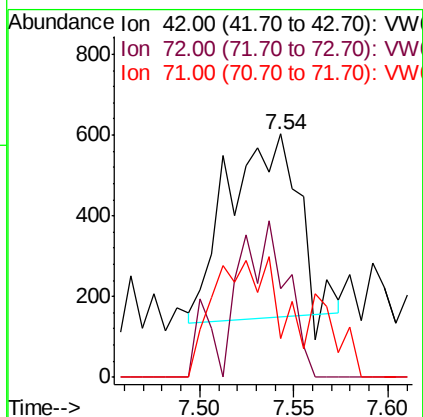
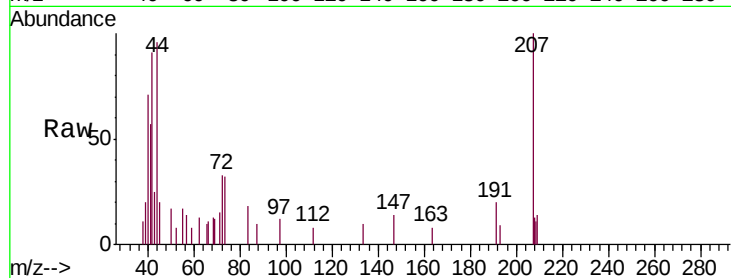




#29
Tetrahydrofuran
Concen: 1.347 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008611.D
Acq: 11 Feb 2019 21:22

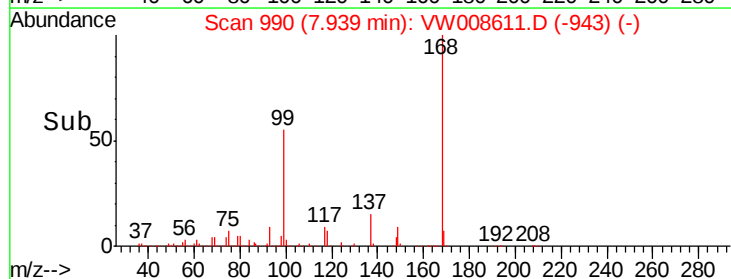
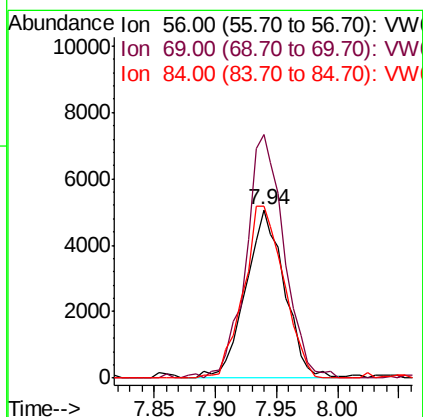
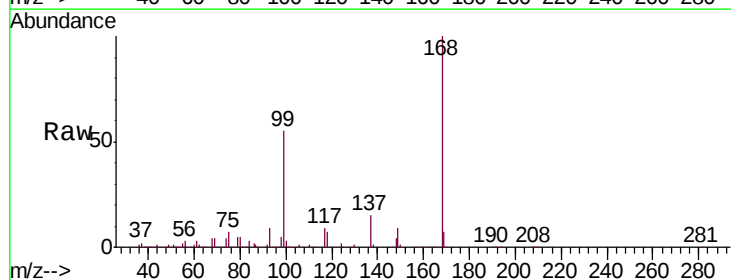
Instrument :
MSVOA_W
ClientSampled :
M-10-DRE

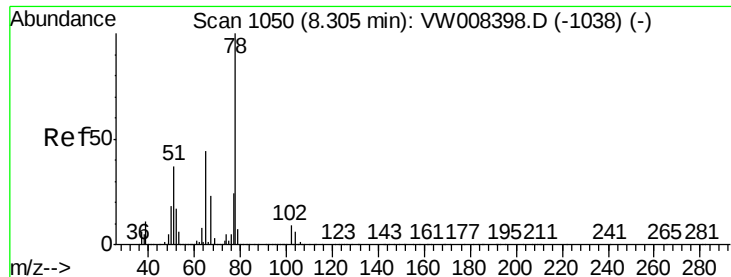
Tgt Ion: 42 Resp: 1168
Ion Ratio Lower Upper
42 100
72 26.0 31.9 47.9#
71 62.2 29.9 44.9#



#31
Cyclohexane
Concen: 1.301 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008611.D
Acq: 11 Feb 2019 21:22

Tgt Ion: 56 Resp: 11205
Ion Ratio Lower Upper
56 100
69 144.4 26.4 39.6#
84 101.6 69.1 103.7

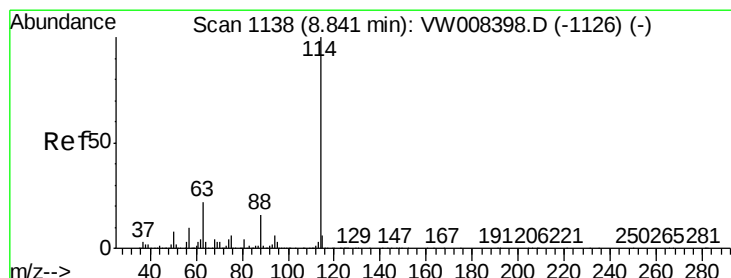
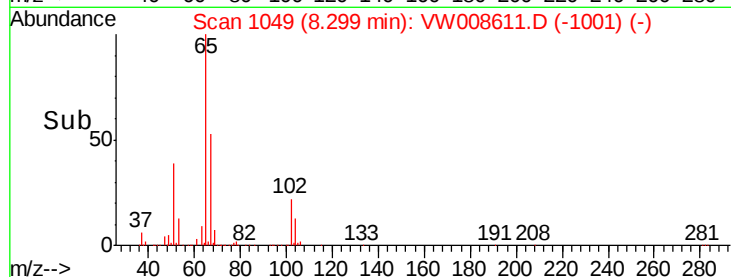
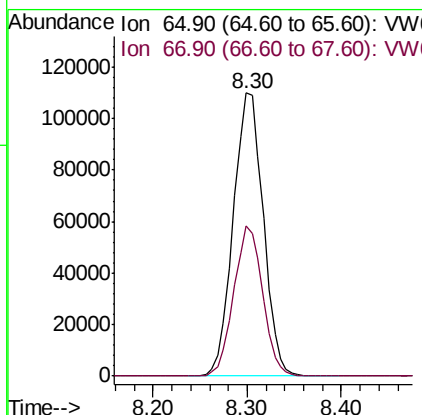
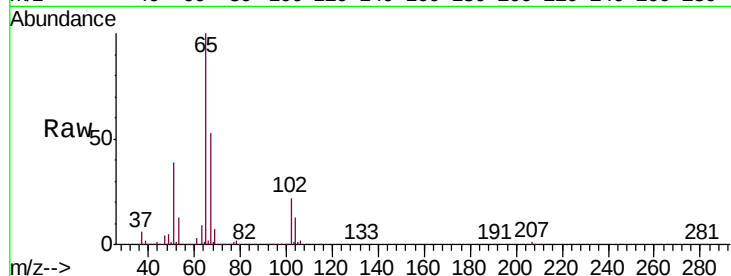




#33
 1,2-Dichloroethane-d4
 Concen: 55.476 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008611.D
 Acq: 11 Feb 2019 21:22

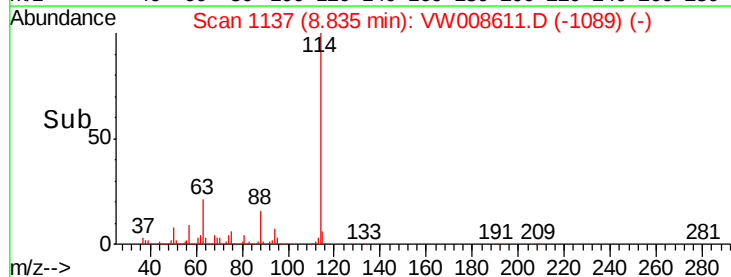
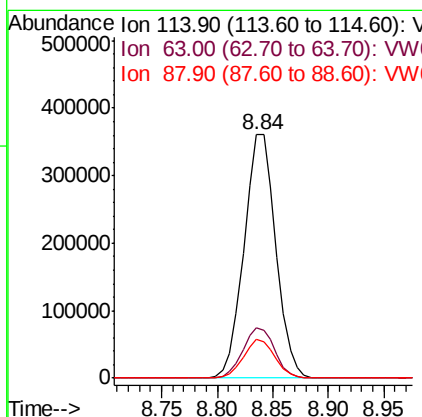
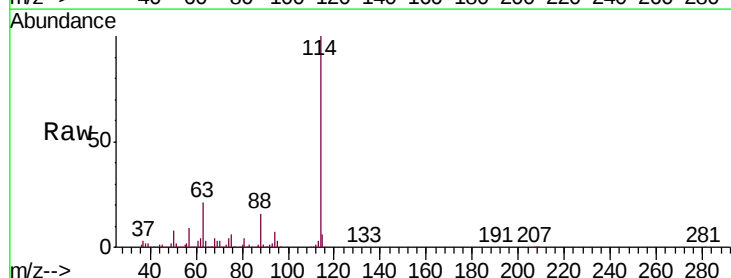
Instrument :
 MSVOA_W
 ClientSampleId :
 M-10-DRE

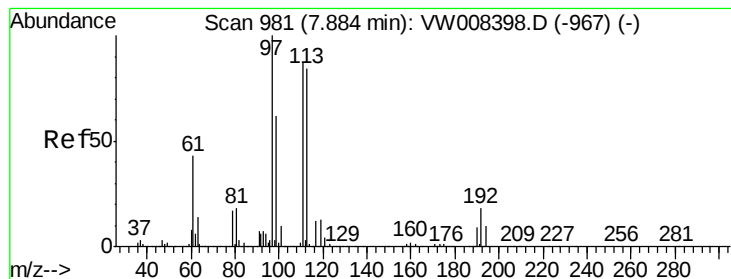
Tgt Ion: 65 Resp: 243419
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008611.D
 Acq: 11 Feb 2019 21:22

Tgt Ion: 114 Resp: 717154
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.6
 88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 53.753 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008611.D

Acq: 11 Feb 2019 21:22

Instrument :

MSVOA_W

ClientSampleId :

M-10-DRE

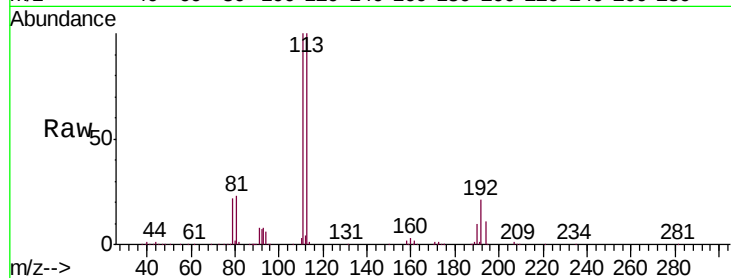
Tgt Ion:113 Resp: 225412

Ion Ratio Lower Upper

113 100

111 101.5 81.0 121.4

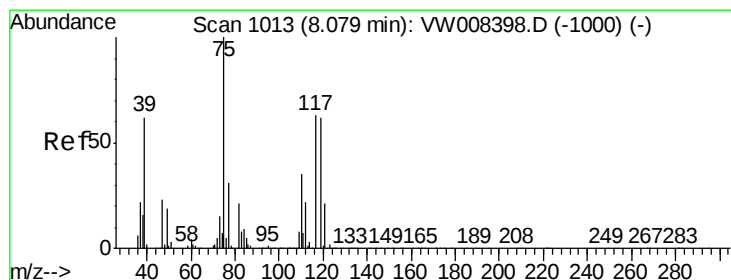
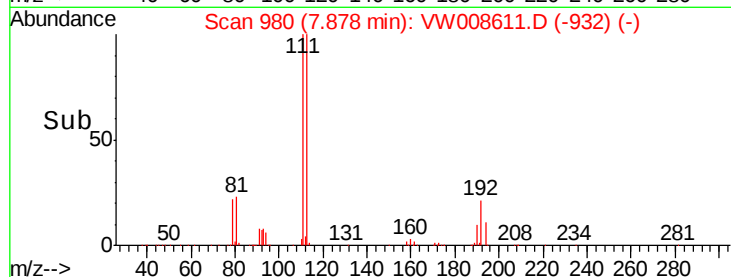
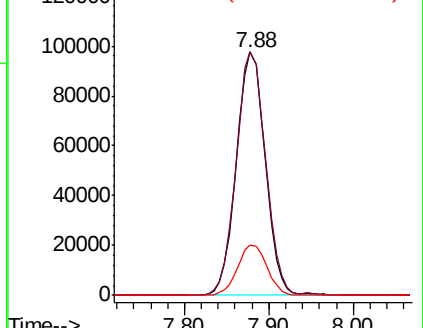
192 21.2 16.8 25.2



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: 4.748 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008611.D

Acq: 11 Feb 2019 21:22

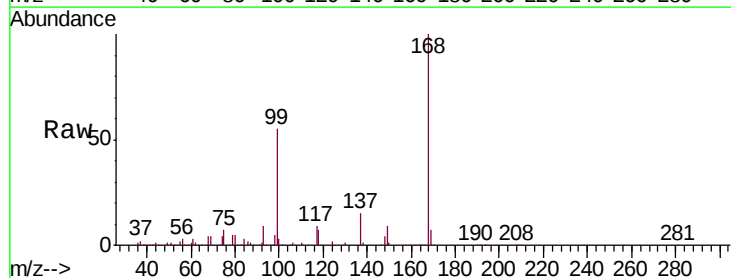
Tgt Ion: 75 Resp: 32165

Ion Ratio Lower Upper

75 100

110 9.4 17.3 52.0#

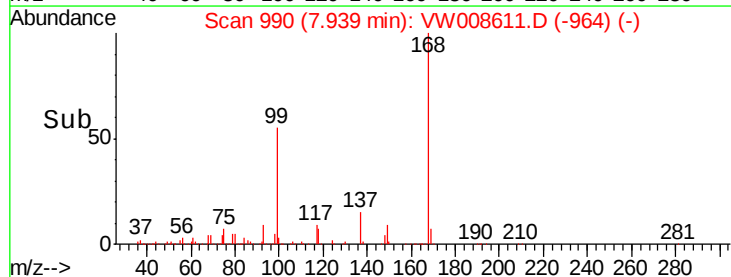
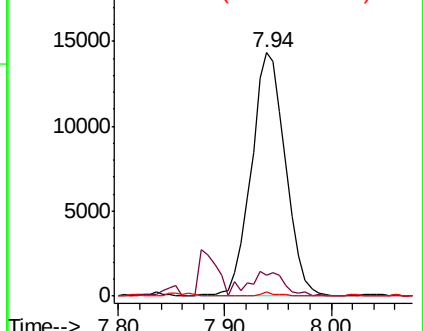
77 0.7 24.7 37.1#

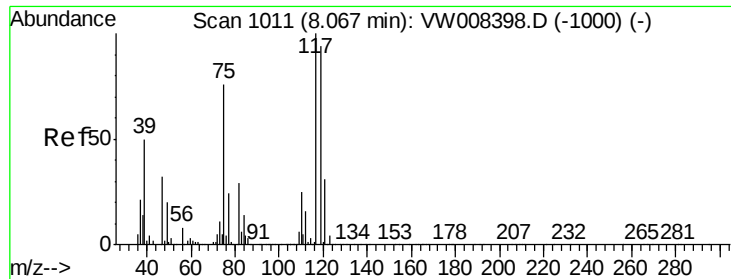


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

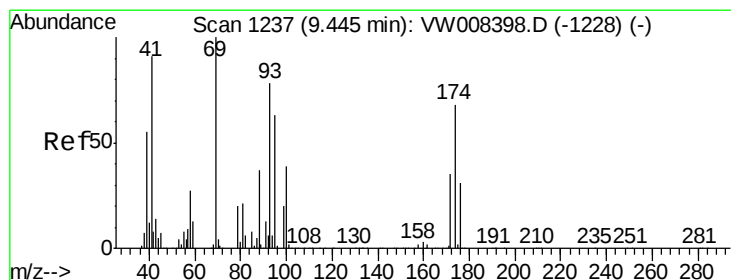
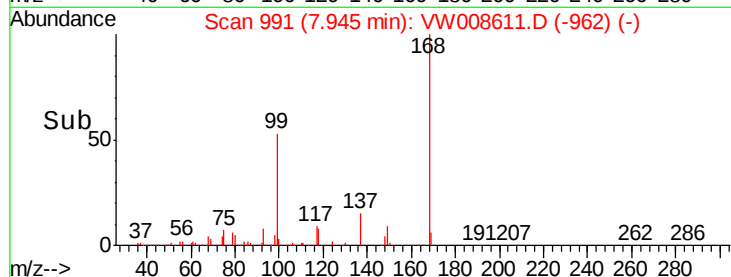
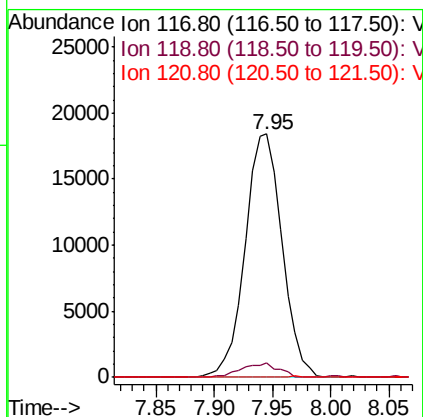
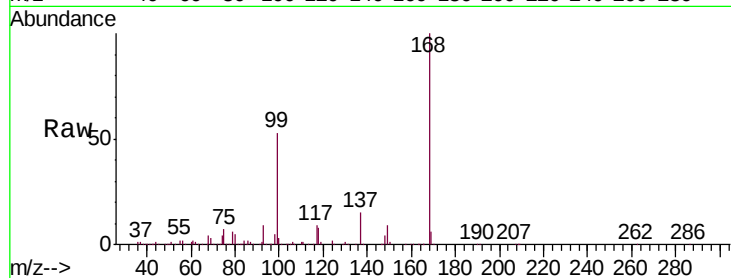




#38
Carbon Tetrachloride
Concen: 6.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008611.D
Acq: 11 Feb 2019 21:22

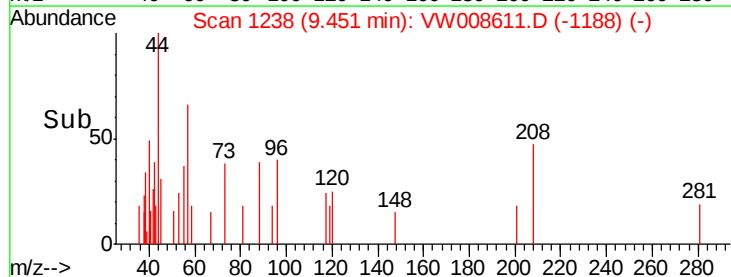
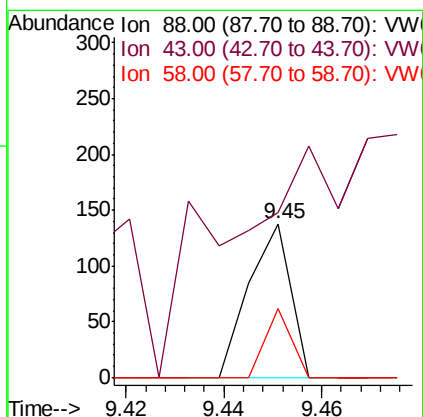
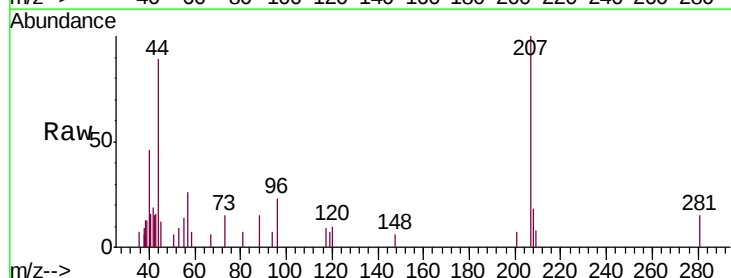
Instrument :
MSVOA_W
ClientSampleId :
M-10-DRE

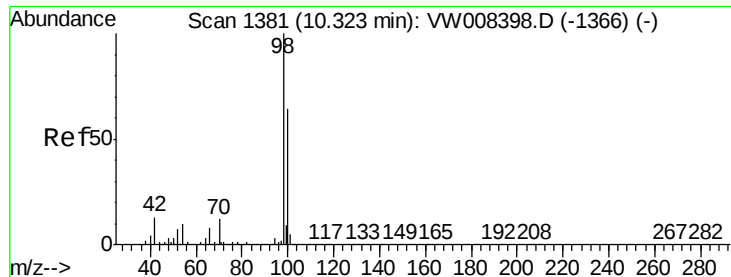
Tgt Ion: 117 Resp: 40903
Ion Ratio Lower Upper
117 100
119 5.7 75.0 112.4#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 2.012 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008611.D
Acq: 11 Feb 2019 21:22

Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 28.0 56.4 84.6#

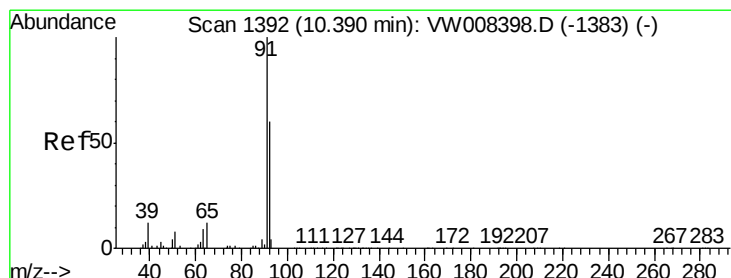
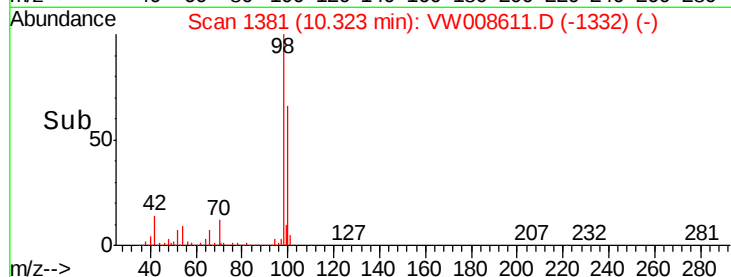
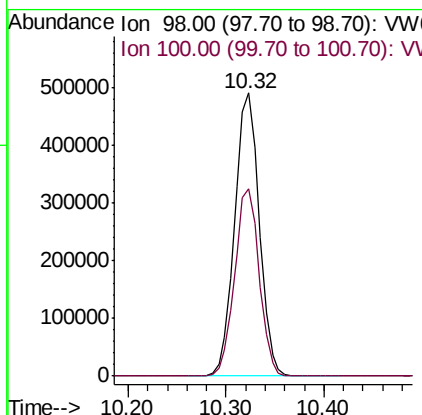
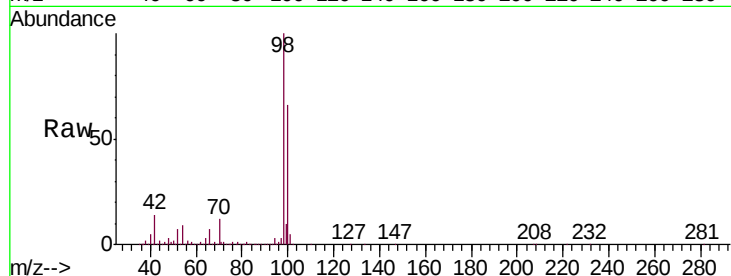




#50
Toluene-d8
Concen: 50.911 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008611.D
Acq: 11 Feb 2019 21:22

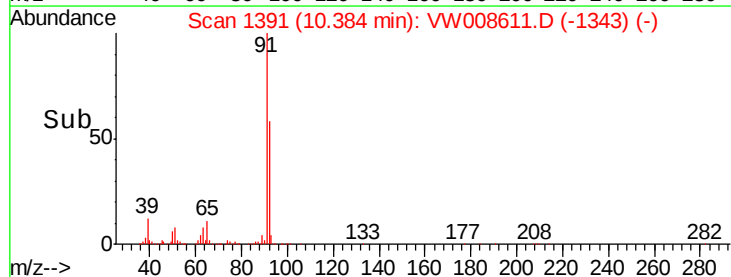
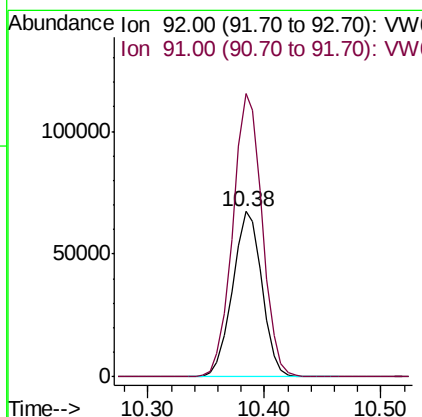
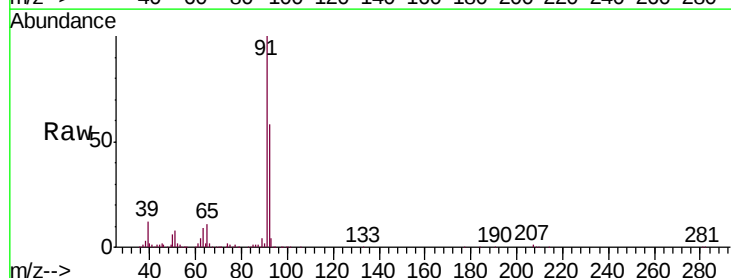
Instrument :
MSVOA_W
ClientSampled :
M-10-DRE

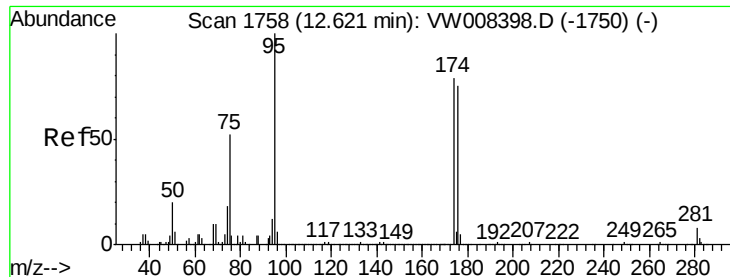
Tgt Ion: 98 Resp: 856113
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#52
Toluene
Concen: 9.525 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008611.D
Acq: 11 Feb 2019 21:22

Tgt Ion: 92 Resp: 118197
Ion Ratio Lower Upper
92 100
91 171.1 135.5 203.3





#62

4-Bromofluorobenzene

Concen: 49.032 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008611.D

Acq: 11 Feb 2019 21:22

Instrument :

MSVOA_W

ClientSampleId :

M-10-DRE

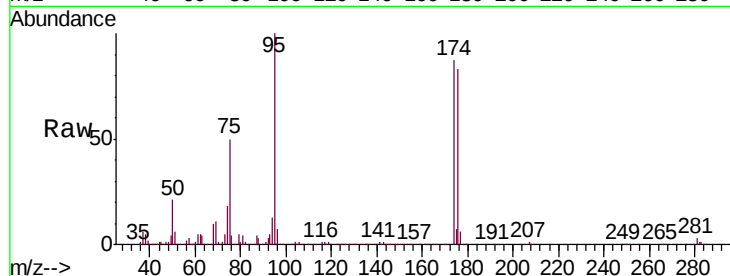
Tgt Ion: 95 Resp: 316929

Ion Ratio Lower Upper

95 100

174 84.1 0.0 157.6

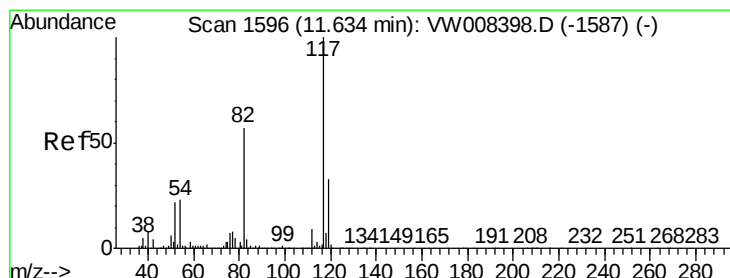
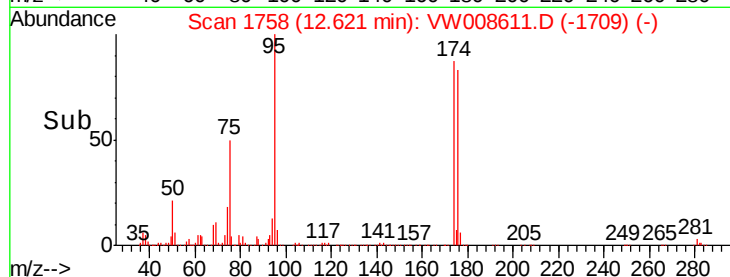
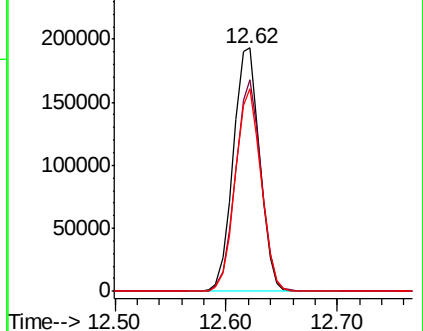
176 81.2 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008611.D

Acq: 11 Feb 2019 21:22

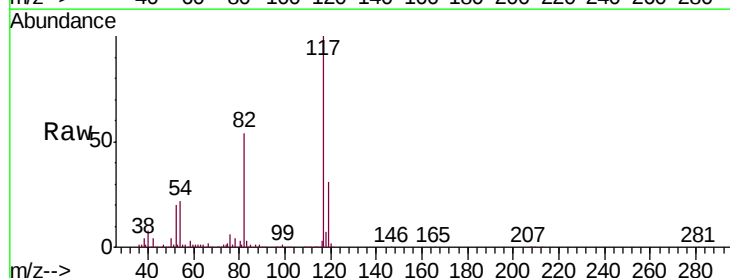
Tgt Ion: 117 Resp: 657859

Ion Ratio Lower Upper

117 100

82 53.9 45.4 68.0

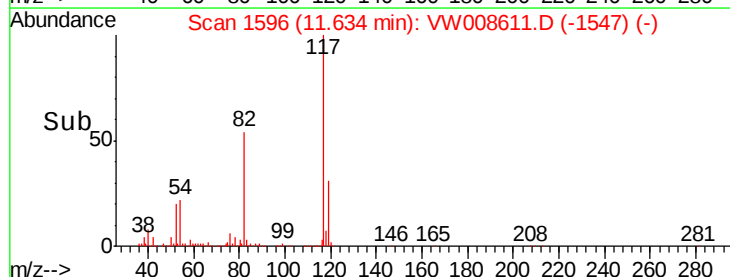
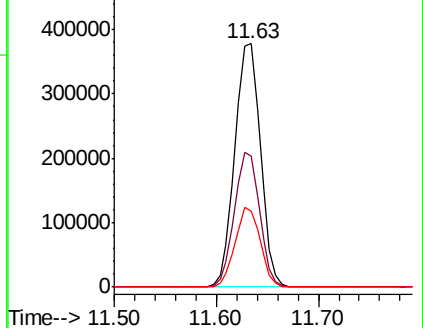
119 31.2 26.2 39.4

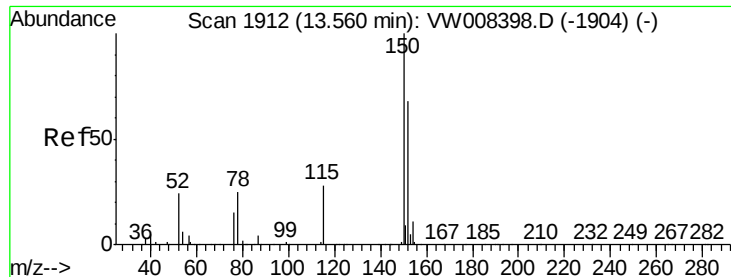


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



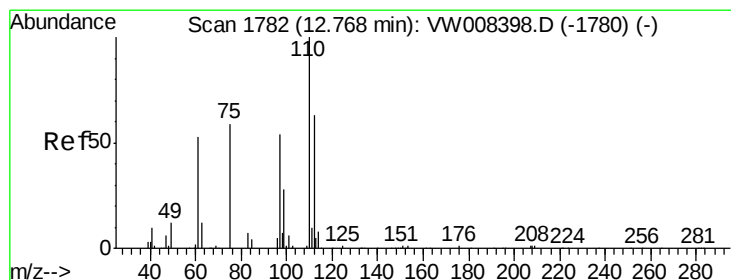
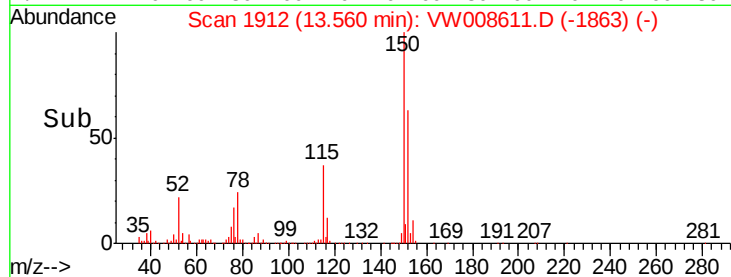
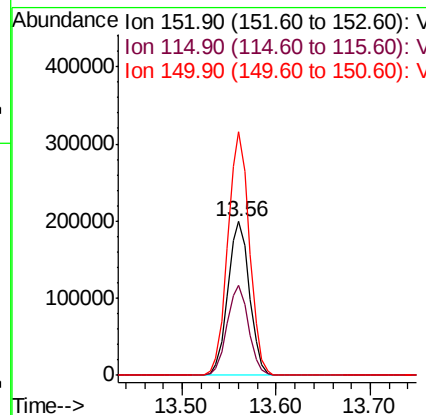
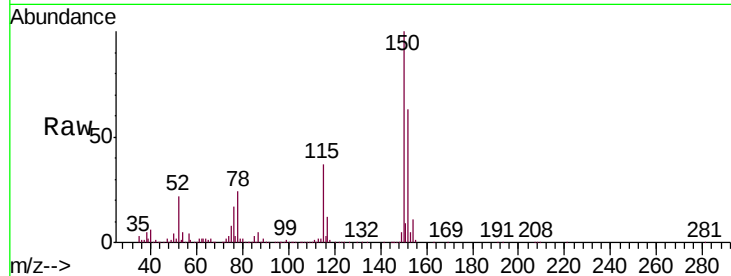


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008611.D
Acq: 11 Feb 2019 21:22

Instrument :
MSVOA_W
ClientSampleId :
M-10-DRE

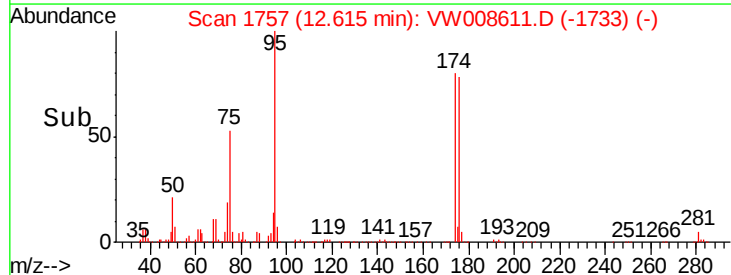
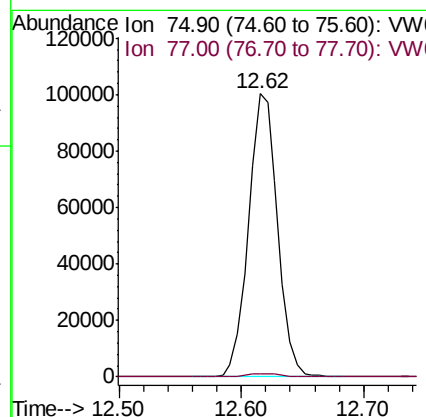
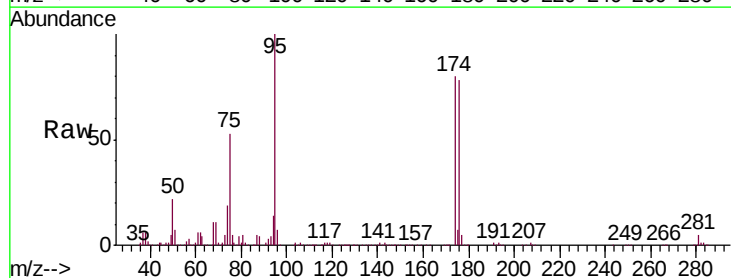
Tgt Ion: 152 Resp: 316266
Ion Ratio Lower Upper
152 100
115 58.3 29.9 89.7
150 157.7 0.0 351.4

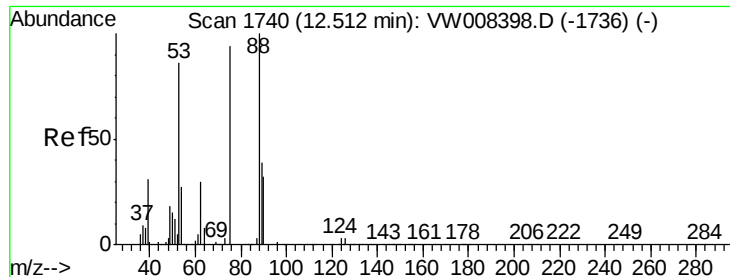


#76

1,2,3-Trichloropropane
Concen: 59.888 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008611.D
Acq: 11 Feb 2019 21:22

Tgt Ion: 75 Resp: 164675
Ion Ratio Lower Upper
75 100
77 1.4 180.7 542.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 118.284 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008611.D

Acq: 11 Feb 2019 21:22

Instrument :

MSVOA_W

ClientSampleId :

M-10-DRE

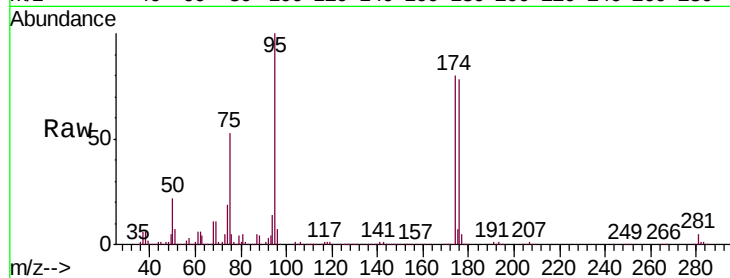
Tgt Ion: 75 Resp: 164675

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.0 35.4 53.0#



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

