

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012084.D
 Acq On : 21 Aug 2019 21:36
 Operator : SY/VA
 Sample : K4403-05
 Misc : 5.50G/5ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-H4-(0)

Quant Time: Aug 22 05:19:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	398596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111398	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	153342	56.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.22%	
35) Dibromofluoromethane	7.88	113	122516	54.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.58%	
50) Toluene-d8	10.32	98	482462	52.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.62	95	139975	42.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.76%	

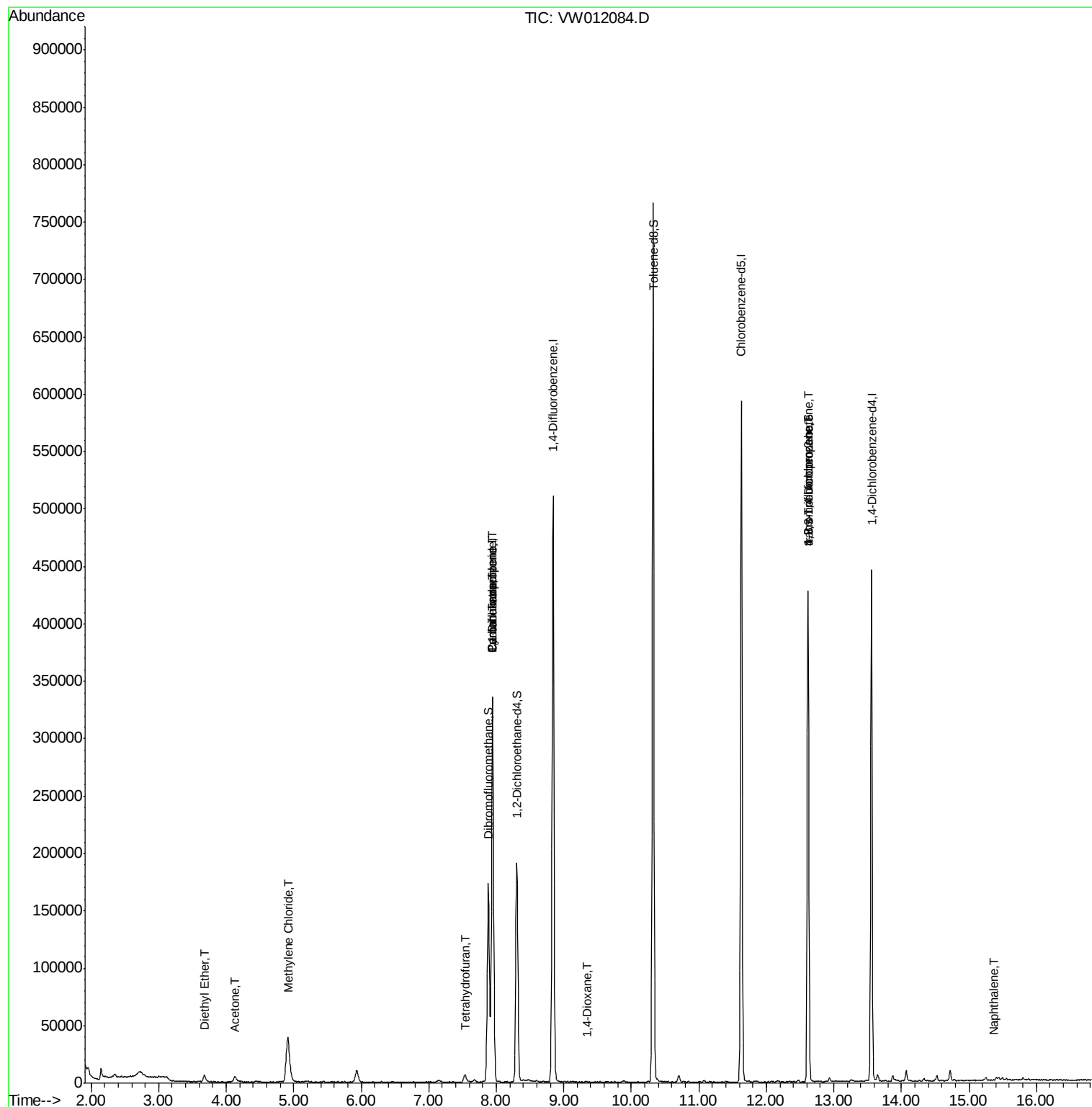
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3121	2.224	ug/l	95
11) Tert butyl alcohol	5.17	59	804	Below Cal	#	78
16) Acetone	4.13	43	9684	11.139	ug/l	96
20) Methylene Chloride	4.91	84	30613	10.210	ug/l	96
29) Tetrahydrofuran	7.53	42	6033	9.278	ug/l	99
31) Cyclohexane	7.95	56	5896	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21068	5.083	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23581	6.646	ug/l #	17
49) 1,4-Dioxane	9.35	88	42	2.046	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	74258	62.999	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74258	145.191	ug/l #	6
95) Naphthalene	15.36	128	262	2.123	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012084.D

Acq: 21 Aug 2019 21:36

Instrument :

MSVOA_W

ClientSampleId :

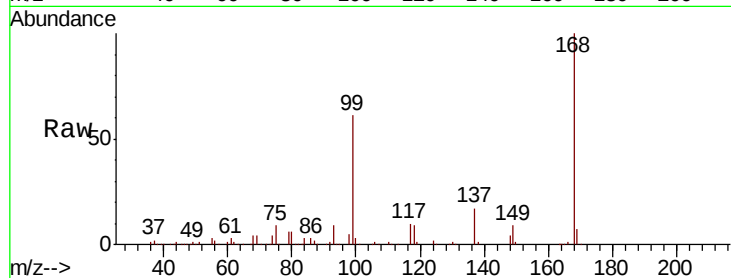
T1-H4-(0)

Tgt Ion:168 Resp: 238007

Ion Ratio Lower Upper

168 100

99 60.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

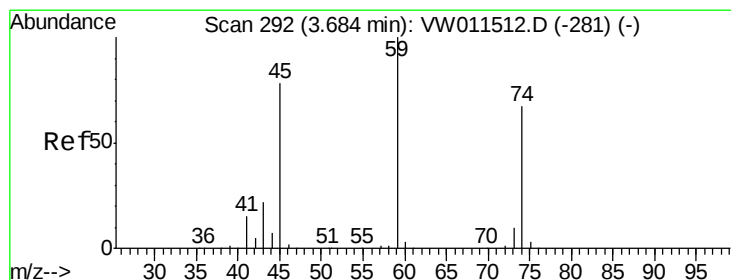
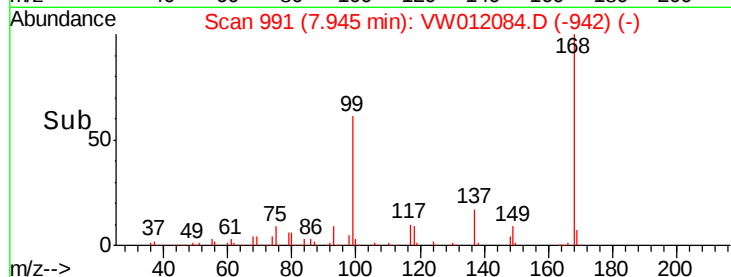
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.224 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012084.D

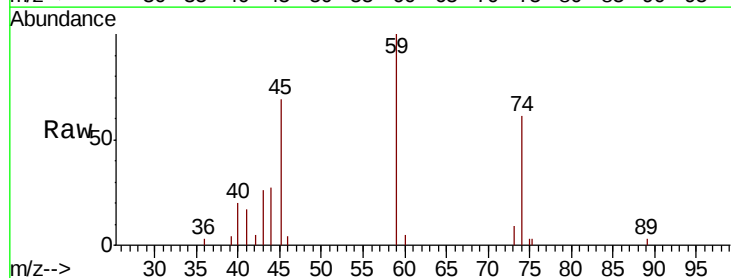
Acq: 21 Aug 2019 21:36

Tgt Ion: 74 Resp: 3121

Ion Ratio Lower Upper

74 100

45 125.1 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

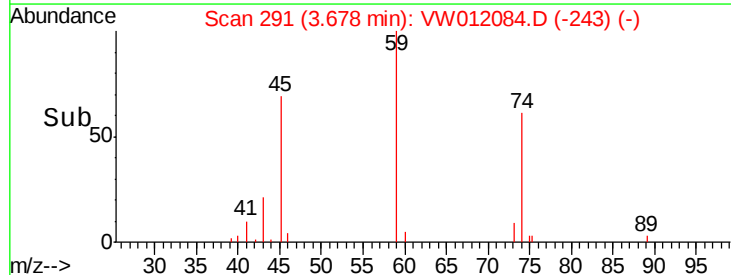
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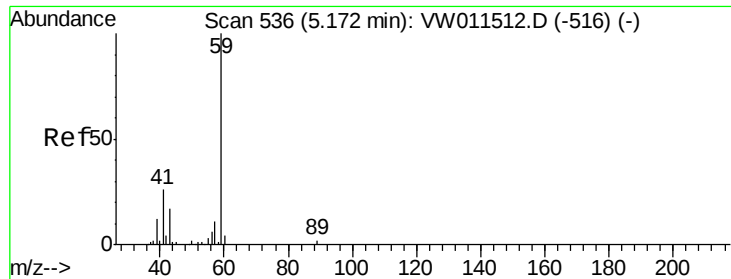
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500

0

Time-->



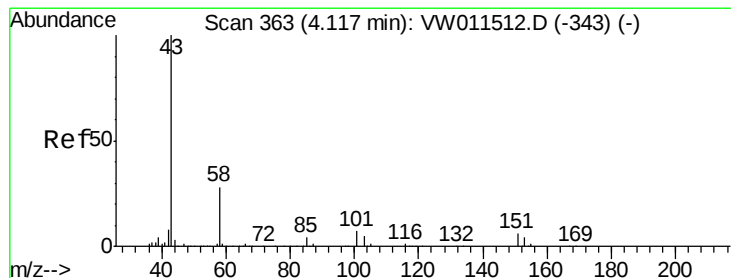
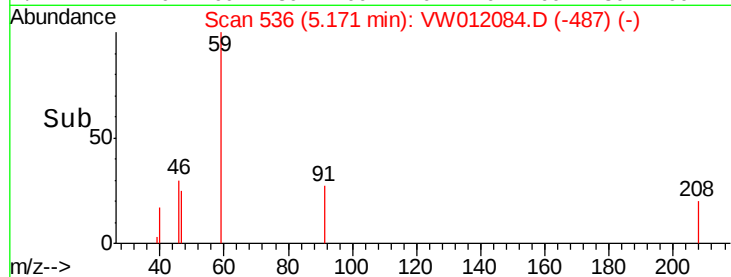
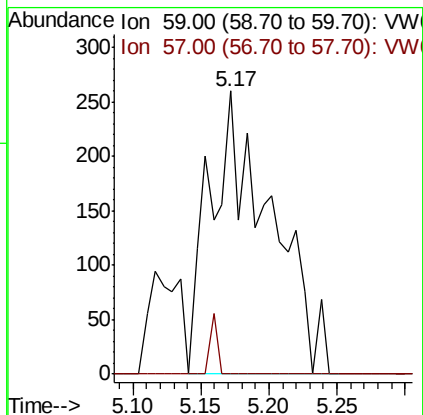
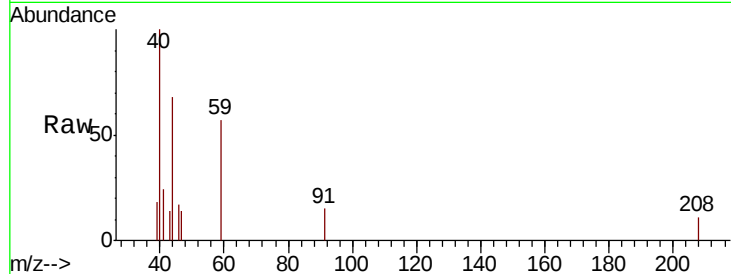


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW012084.D
 Acq: 21 Aug 2019 21:36

Instrument :
 MSVOA_W
 ClientSampled :
 T1-H4-(0)

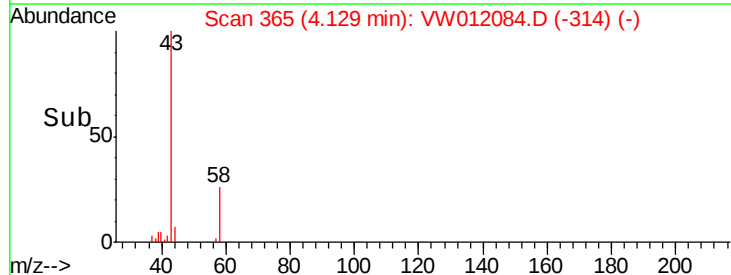
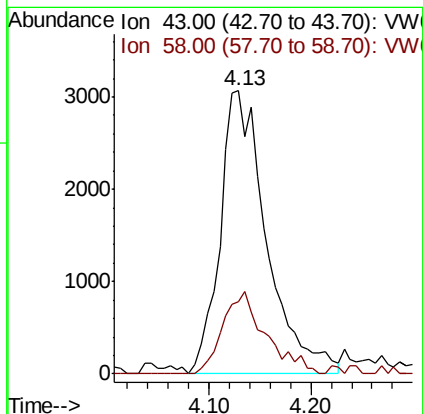
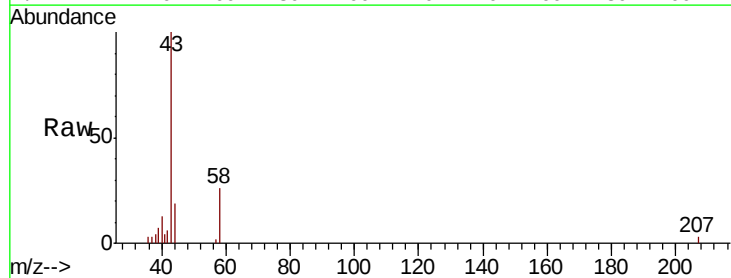
Tgt Ion: 59 Resp: 804
 Ion Ratio Lower Upper
 59 100
 57 2.5 8.5 12.7#

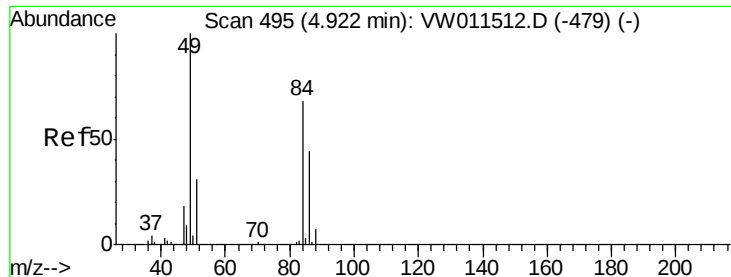


#16

Acetone
 Concen: 11.139 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW012084.D
 Acq: 21 Aug 2019 21:36

Tgt Ion: 43 Resp: 9684
 Ion Ratio Lower Upper
 43 100
 58 25.7 22.3 33.5

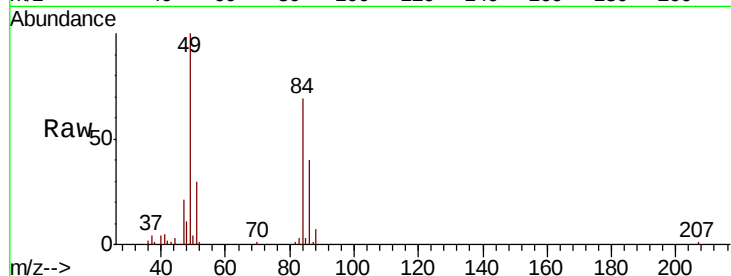




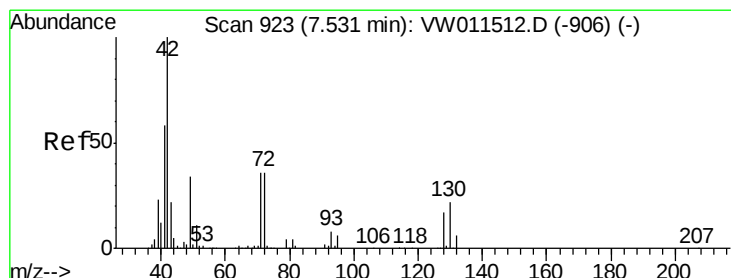
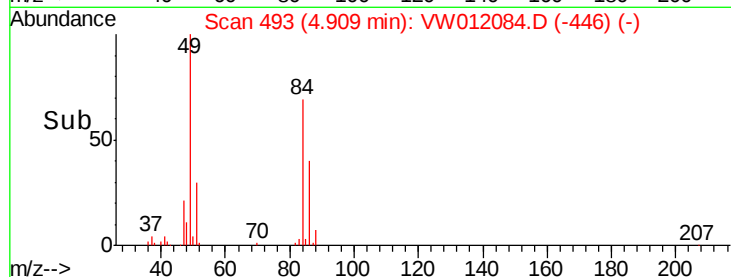
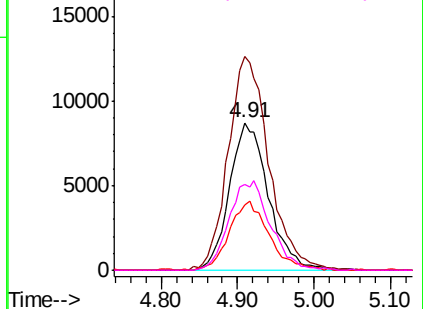
#20
Methylene Chloride
Concen: 10.210 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012084.D
Acq: 21 Aug 2019 21:36

Instrument :
MSVOA_W
ClientSampleId :
T1-H4(0)

Tgt Ion: 84 Resp: 30613
Ion Ratio Lower Upper
84 100
49 144.6 117.8 176.6
51 43.9 37.0 55.4
86 57.9 51.8 77.8

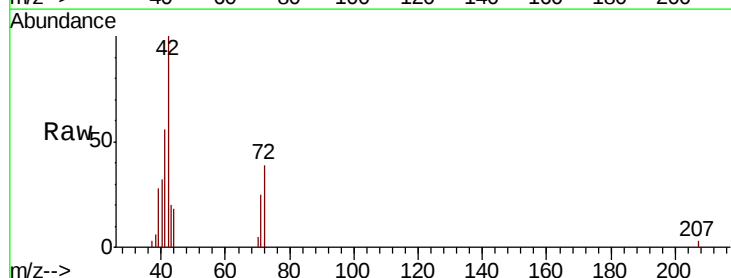


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

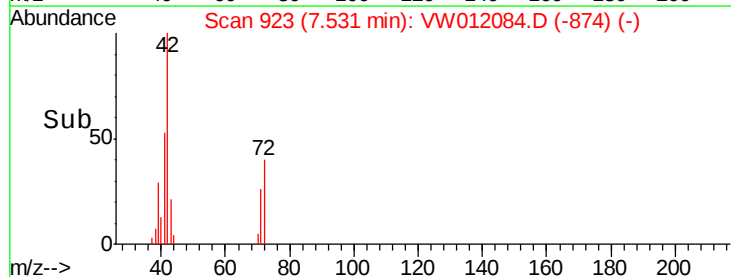
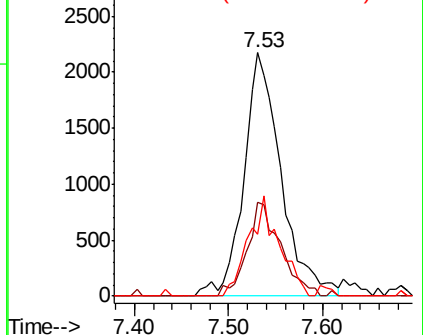


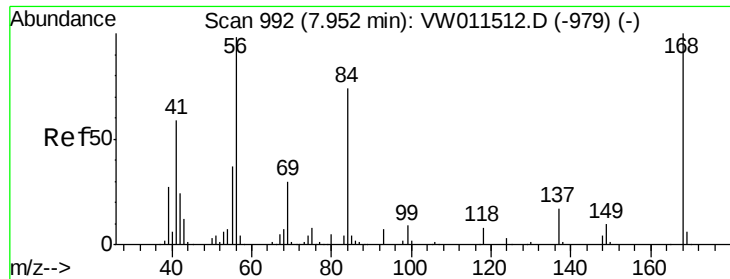
#29
Tetrahydrofuran
Concen: 9.278 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012084.D
Acq: 21 Aug 2019 21:36

Tgt Ion: 42 Resp: 6033
Ion Ratio Lower Upper
42 100
72 34.5 27.1 40.7
71 33.6 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

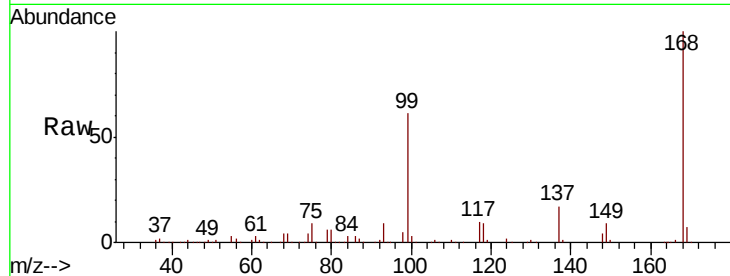




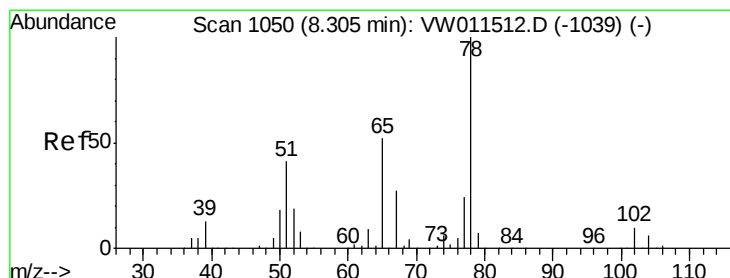
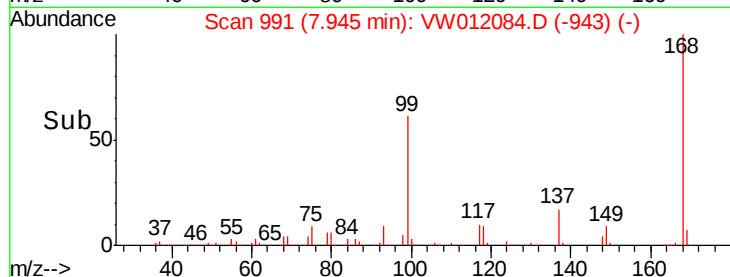
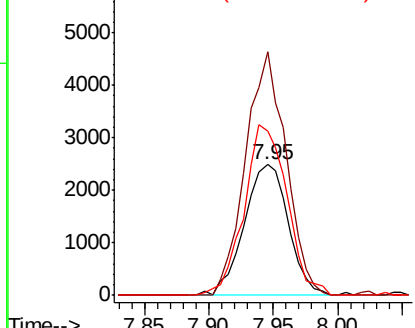
#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012084.D
Acq: 21 Aug 2019 21:36

Instrument :
MSVOA_W
ClientSampleId :
T1-H4-(0)

Tgt Ion: 56 Resp: 5896
Ion Ratio Lower Upper
56 100
69 186.0 24.3 36.5#
84 125.4 60.4 90.6#

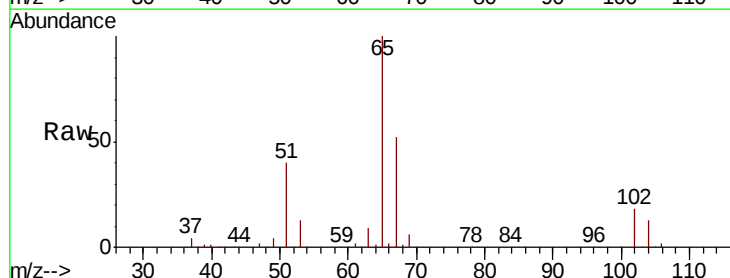


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

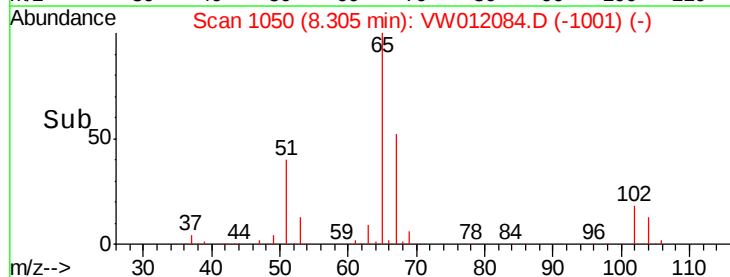
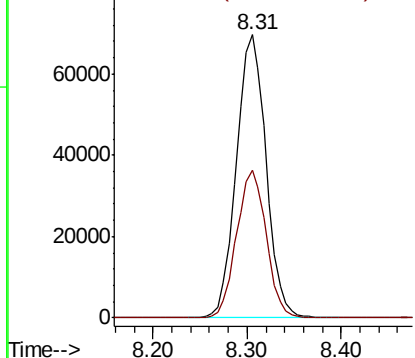


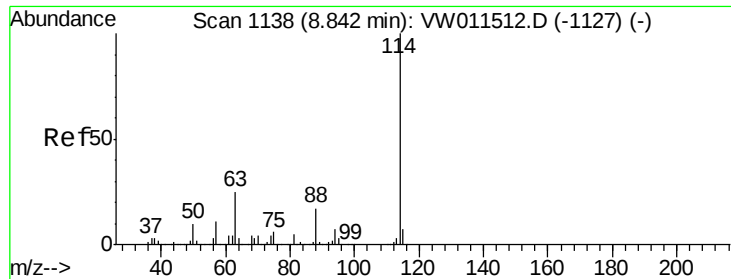
#33
1,2-Dichloroethane-d4
Concen: 56.108 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012084.D
Acq: 21 Aug 2019 21:36

Tgt Ion: 65 Resp: 153342
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.2



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

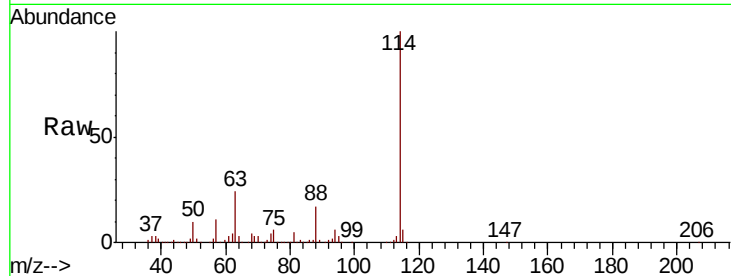




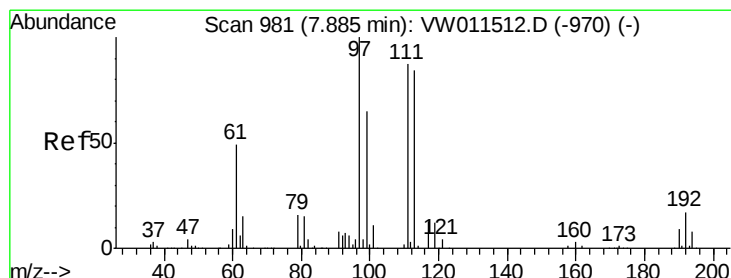
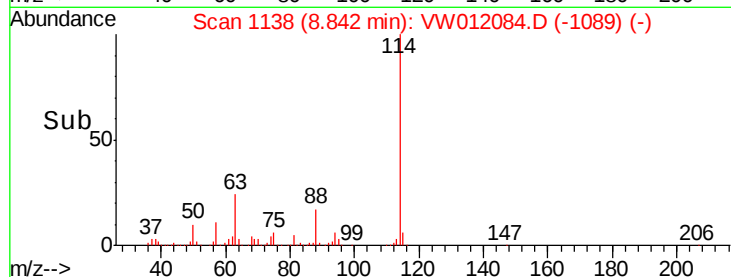
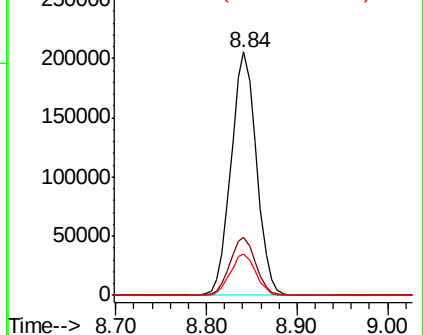
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012084.D
 Acq: 21 Aug 2019 21:36

Instrument :
 MSVOA_W
 ClientSampled :
 T1-H4-(0)

Tgt Ion:114 Resp: 398596
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 49.2
 88 17.0 0.0 33.8

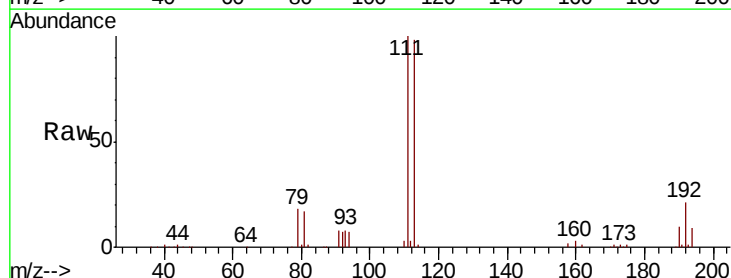


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

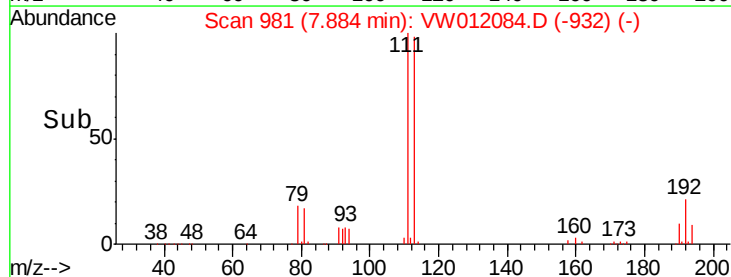
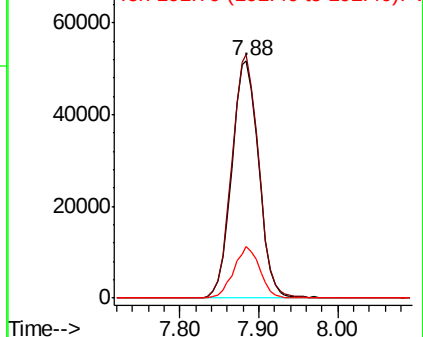


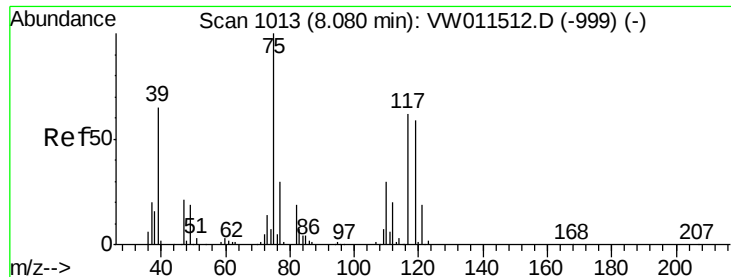
#35
 Dibromofluoromethane
 Concen: 54.788 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012084.D
 Acq: 21 Aug 2019 21:36

Tgt Ion:113 Resp: 122516
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.7 124.1
 192 21.0 16.1 24.1



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

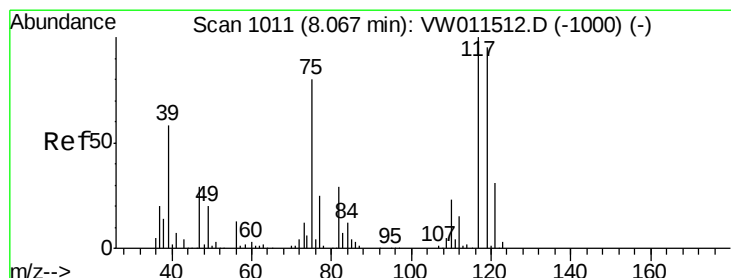
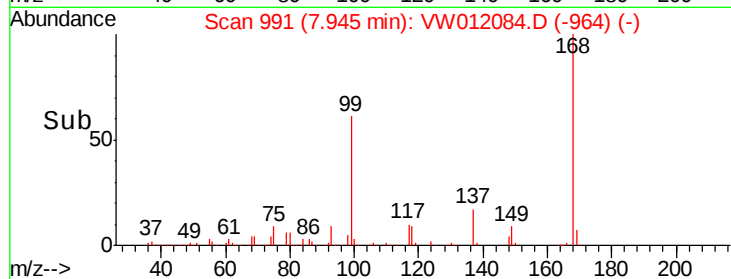
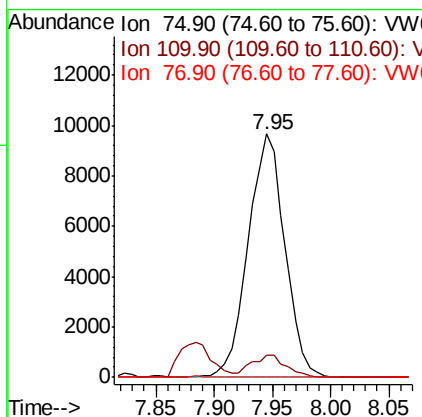
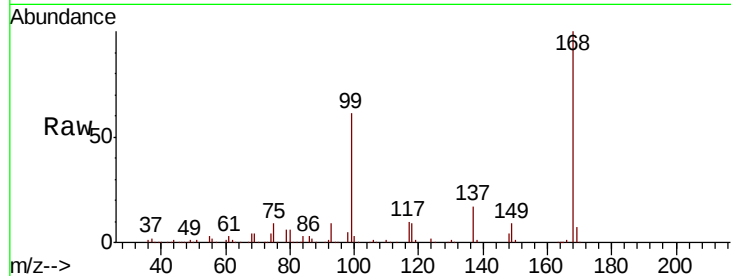




#36
 1,1-Dichloropropene
 Concen: 5.083 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012084.D
 Acq: 21 Aug 2019 21:36

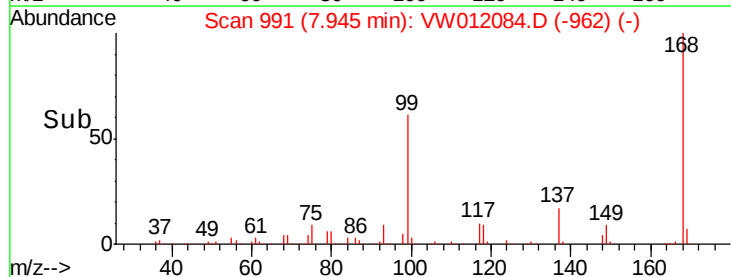
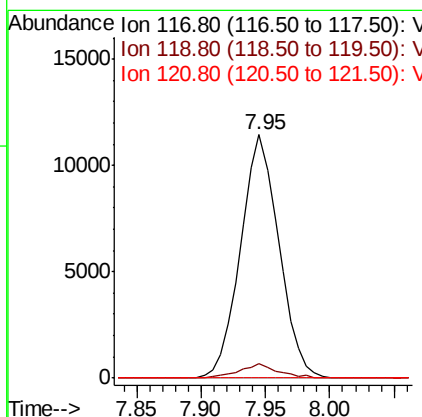
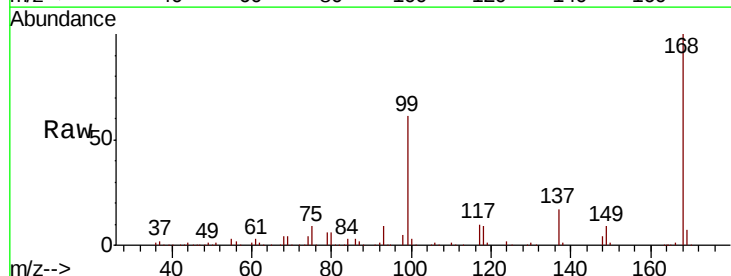
Instrument :
 MSVOA_W
 ClientSampled :
 T1-H4-(0)

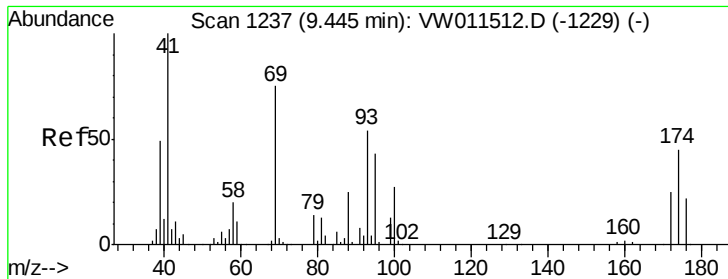
Tgt Ion: 75 Resp: 21068
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.646 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012084.D
 Acq: 21 Aug 2019 21:36

Tgt Ion: 117 Resp: 23581
 Ion Ratio Lower Upper
 117 100
 119 6.1 75.8 113.6#
 121 0.0 24.7 37.1#

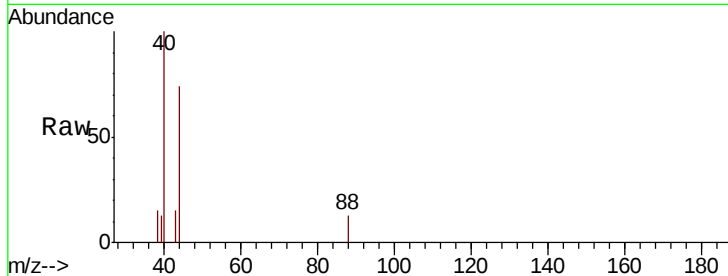




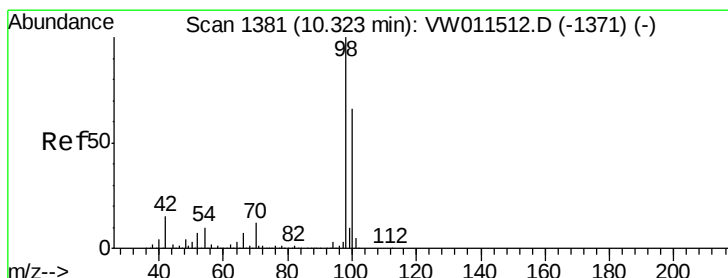
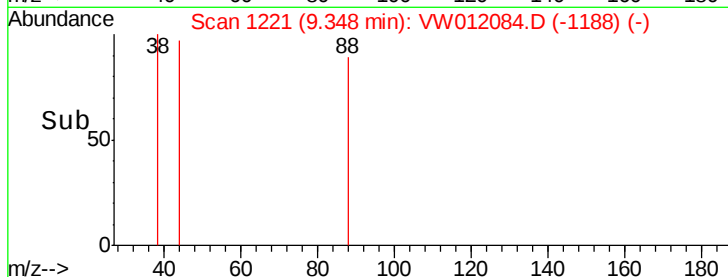
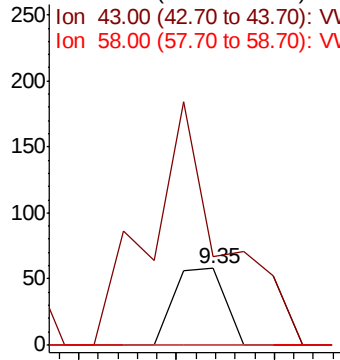
#49
1,4-Dioxane
Concen: 2.046 ug/l
RT: 9.35 min Scan# 1221
Delta R.T. -0.10 min
Lab File: VW012084.D
Acq: 21 Aug 2019 21:36

Instrument :
MSVOA_W
ClientSampleId :
T1-H4-(0)

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 457.1 34.0 51.0#
58 0.0 69.7 104.5#

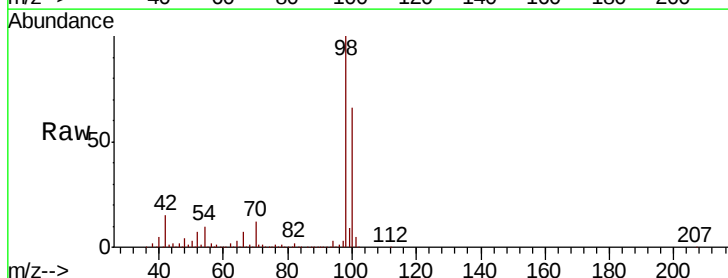


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

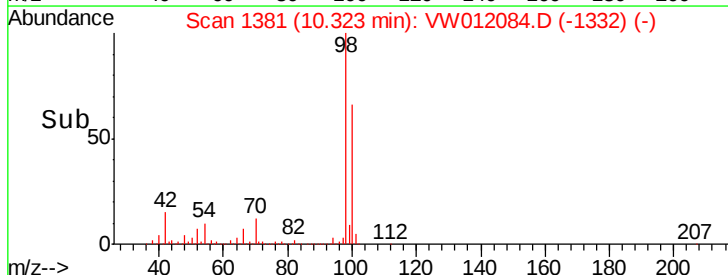
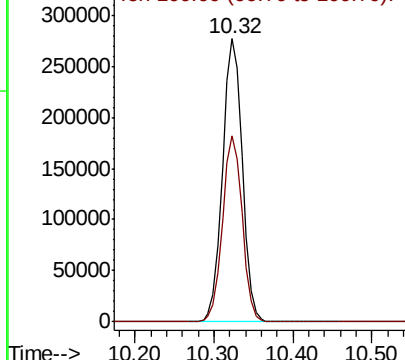


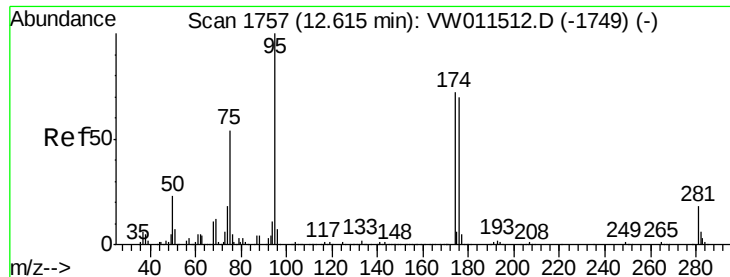
#50
Toluene-d8
Concen: 52.696 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012084.D
Acq: 21 Aug 2019 21:36

Tgt Ion: 98 Resp: 482462
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



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





#62

4-Bromofluorobenzene

Concen: 42.882 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012084.D

Acq: 21 Aug 2019 21:36

Instrument :

MSVOA_W

ClientSampleId :

T1-H4-(0)

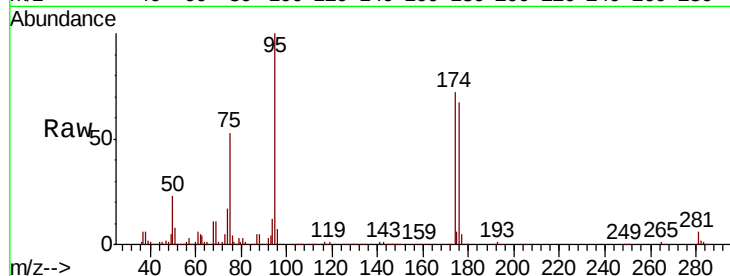
Tgt Ion: 95 Resp: 139975

Ion Ratio Lower Upper

95 100

174 76.8 0.0 150.2

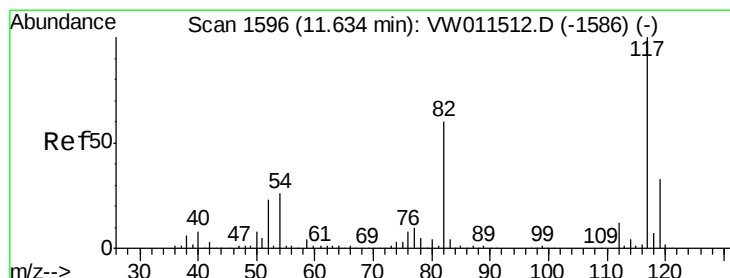
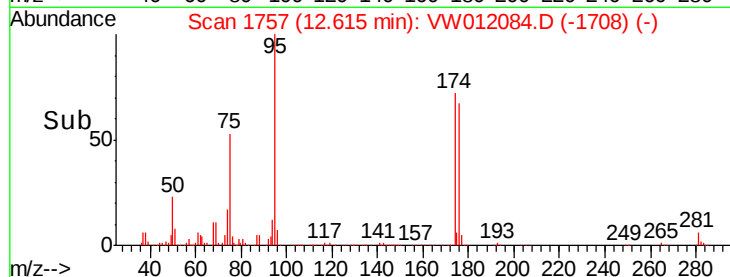
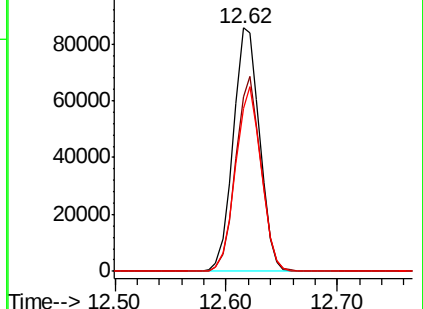
176 73.9 0.0 144.4



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: VW012084.D

Acq: 21 Aug 2019 21:36

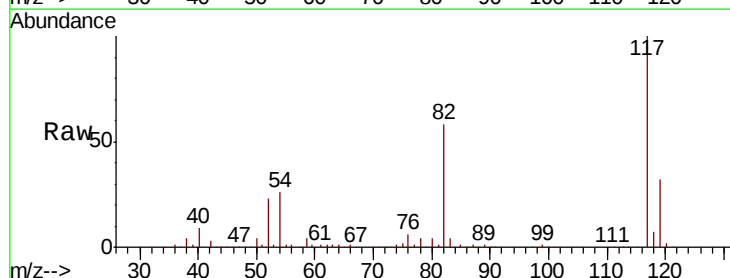
Tgt Ion: 117 Resp: 320204

Ion Ratio Lower Upper

117 100

82 58.1 47.9 71.9

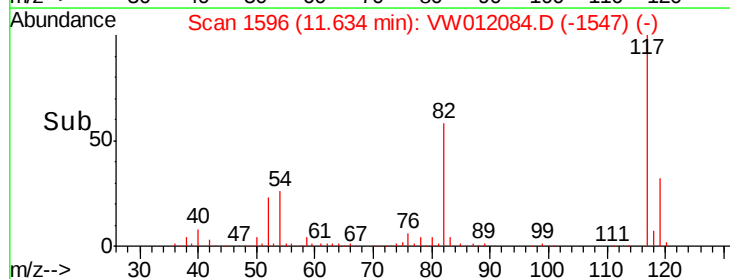
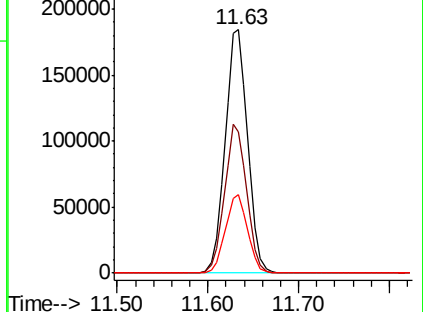
119 32.0 26.2 39.2



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



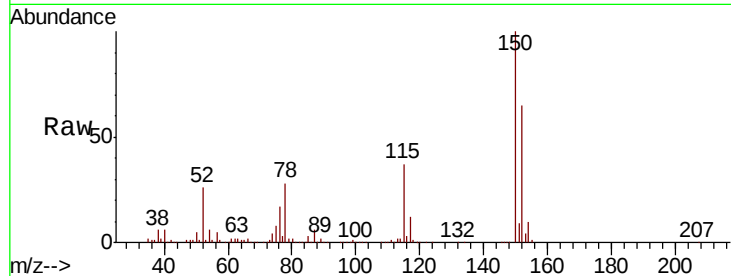


#72

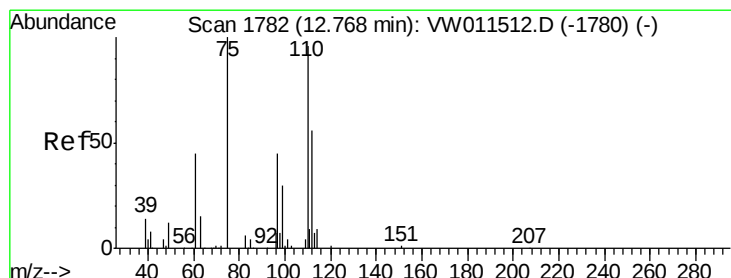
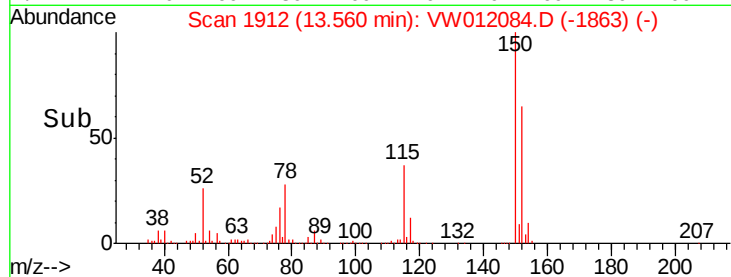
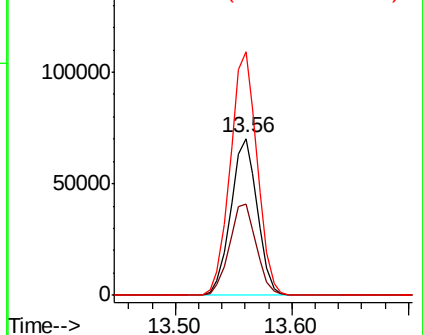
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012084.D
Acq: 21 Aug 2019 21:36

Instrument :
MSVOA_W
ClientSampleId :
T1-H4-(0)

Tgt Ion: 152 Resp: 111398
Ion Ratio Lower Upper
152 100
115 59.3 30.5 91.5
150 157.2 0.0 352.6



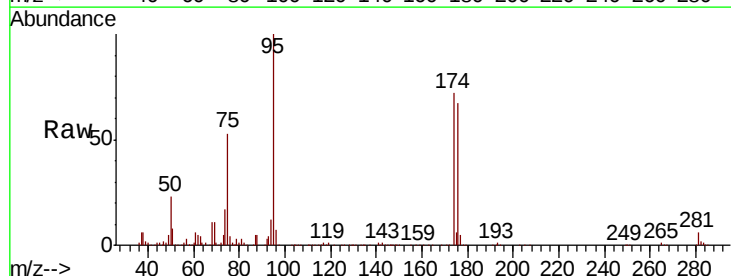
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



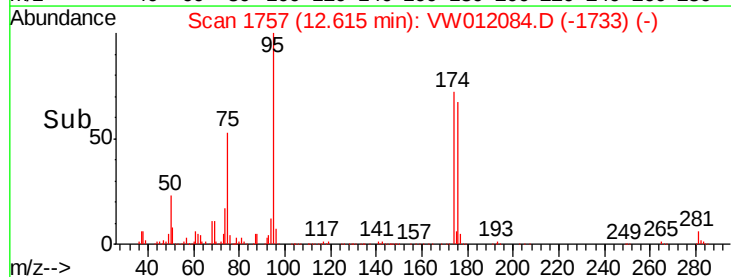
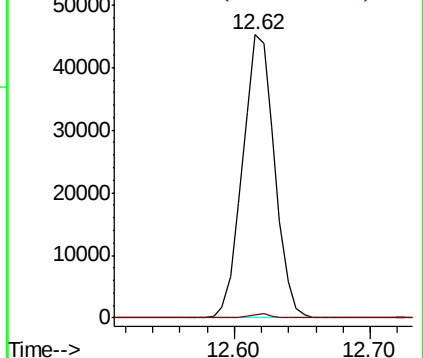
#76

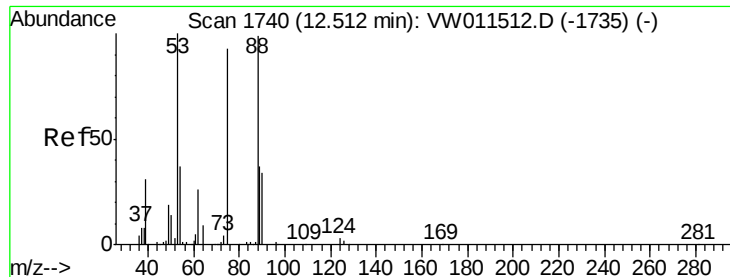
1,2,3-Trichloropropane
Concen: 62.999 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012084.D
Acq: 21 Aug 2019 21:36

Tgt Ion: 75 Resp: 74258
Ion Ratio Lower Upper
75 100
77 1.2 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: 145.191 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012084.D

Acq: 21 Aug 2019 21:36

Instrument :

MSVOA_W

ClientSampleId :

T1-H4-(0)

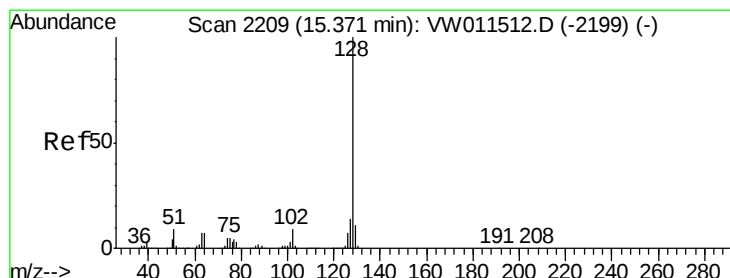
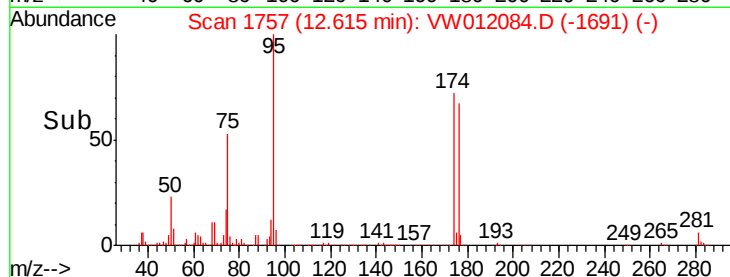
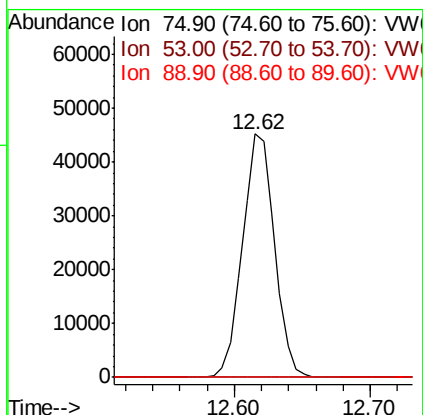
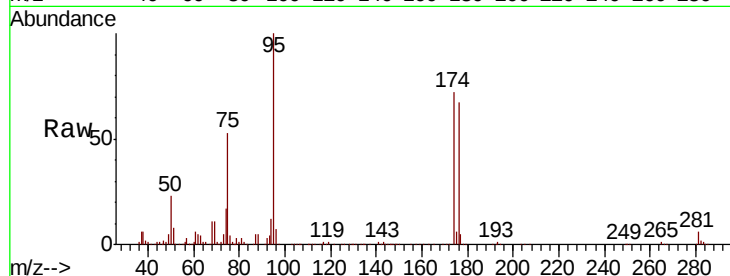
Tgt Ion: 75 Resp: 74258

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.1 35.3 52.9#



#95

Naphthalene

Concen: 2.123 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012084.D

Acq: 21 Aug 2019 21:36

Tgt Ion: 128 Resp: 262

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

