

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010388.D
 Acq On : 11 May 2019 18:31
 Operator : SY/VA
 Sample : K2717-17
 Misc : 6.23G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:28:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	668152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1188631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	671515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169716	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	790076	111.23	ug/l	0.00
Spiked Amount			Recovery	=	222.46%	
35) Dibromofluoromethane	7.88	113	616074	88.57	ug/l	0.00
Spiked Amount			Recovery	=	177.14%	
50) Toluene-d8	10.32	98	763197	26.95	ug/l	0.00
Spiked Amount			Recovery	=	53.90%	
62) 4-Bromofluorobenzene	12.62	95	258501	25.93	ug/l	0.00
Spiked Amount			Recovery	=	51.86%	

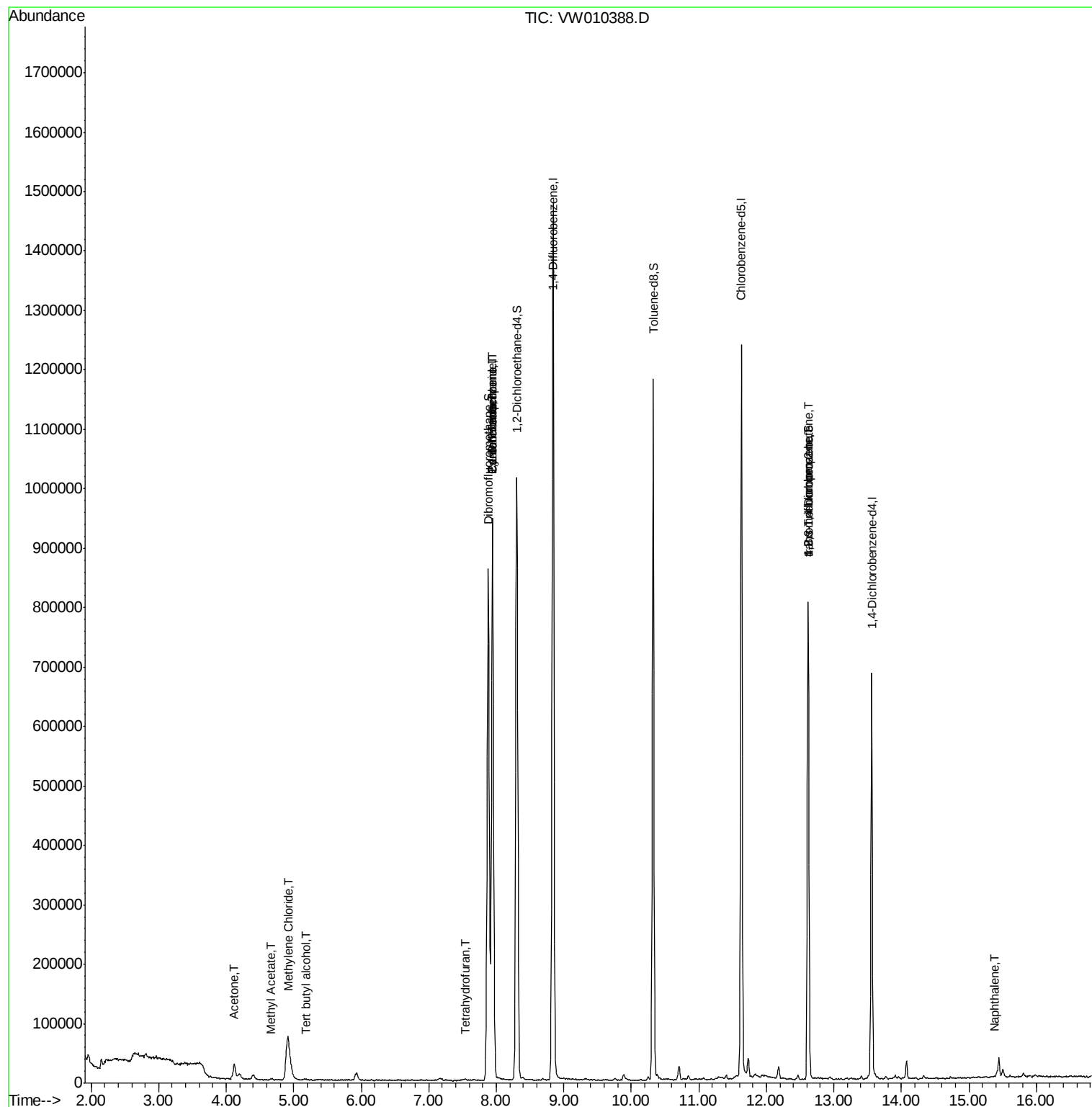
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	920	1.834	ug/l #	71
16) Acetone	4.12	43	44529	24.046	ug/l	97
18) Methyl Acetate	4.67	43	5689	1.240	ug/l #	72
20) Methylene Chloride	4.92	84	75361	9.757	ug/l #	85
29) Tetrahydrofuran	7.54	42	2269	1.238	ug/l #	83
31) Cyclohexane	7.94	56	15772	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	57841	4.488	ug/l #	51
38) Carbon Tetrachloride	7.95	117	67327	6.094	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	130335	65.867	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	130335	148.749	ug/l #	6
95) Naphthalene	15.38	128	1643	3.792	ug/l #	90

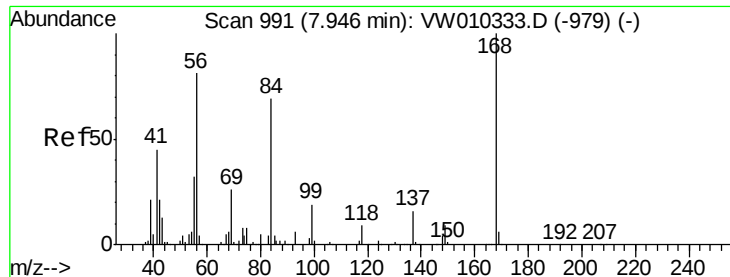
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051119\
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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: VW010388.D

Acq: 11 May 2019 18:31

Instrument :

MSVOA_W

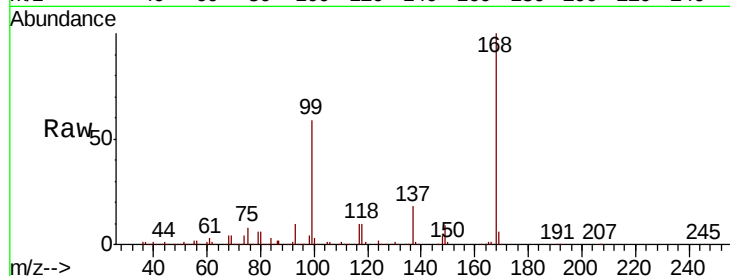
ClientSampleId :

Tot Ion:168 Resp: 668152

Ion Ratio Lower Upper

168 100

99 58.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

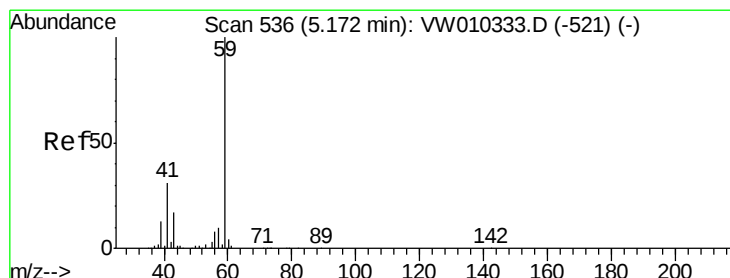
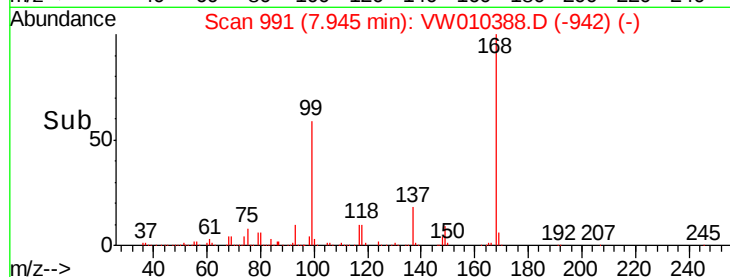
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.834 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW010388.D

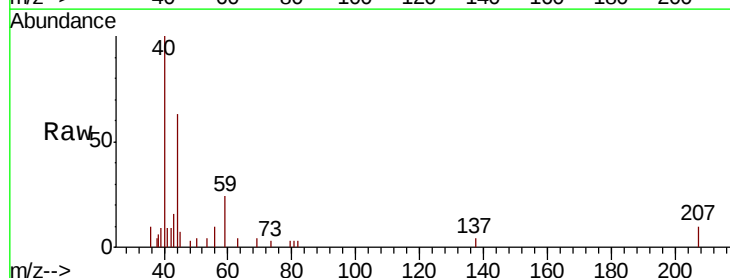
Acq: 11 May 2019 18:31

Tgt Ion: 59 Resp: 920

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

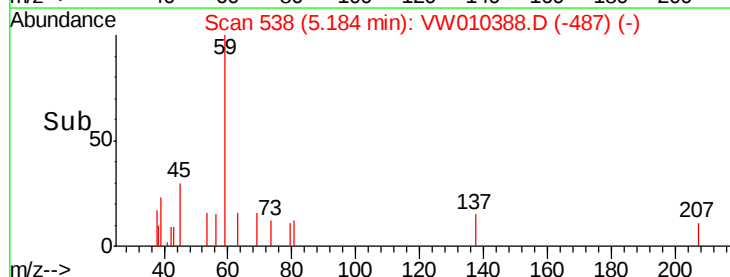
600

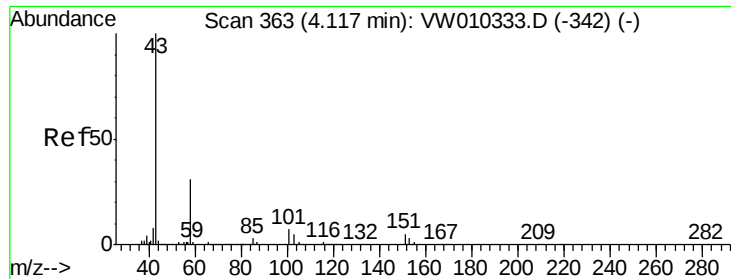
400

200

0

Time-->

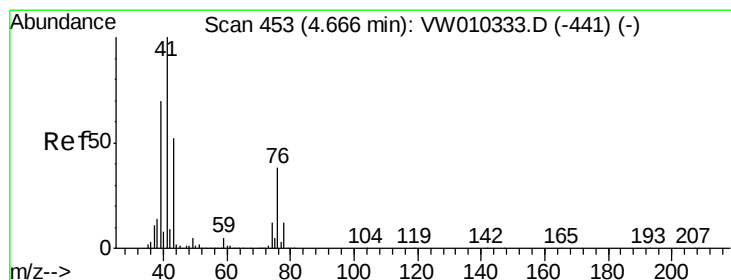
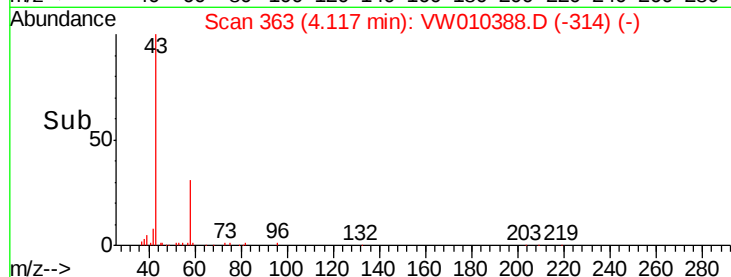
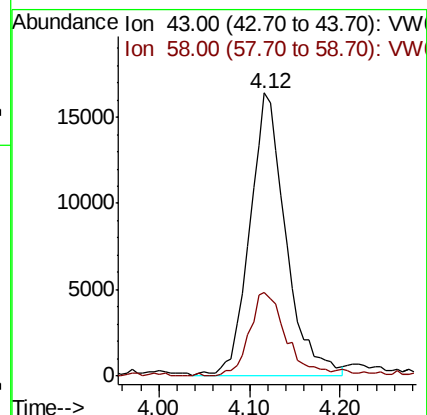
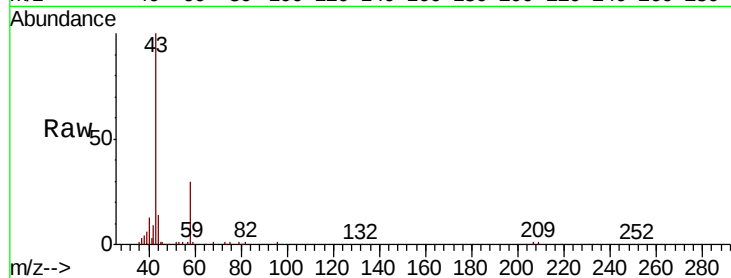




#16
Acetone
Concen: 24.046 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW010388.D
Acq: 11 May 2019 18:31

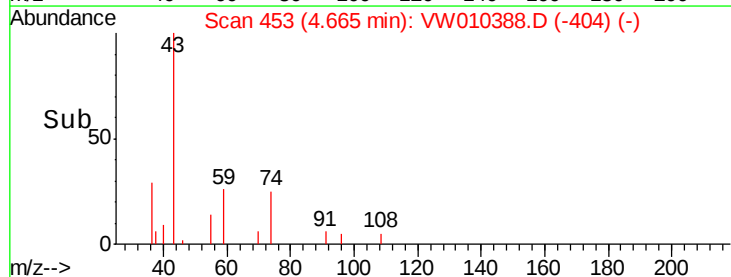
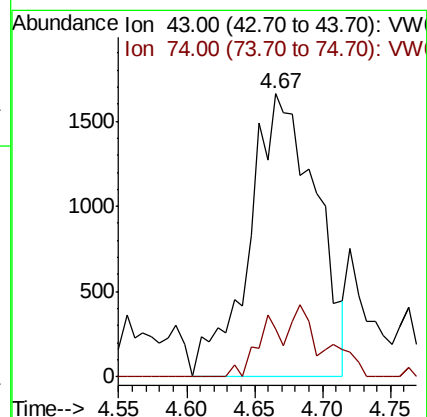
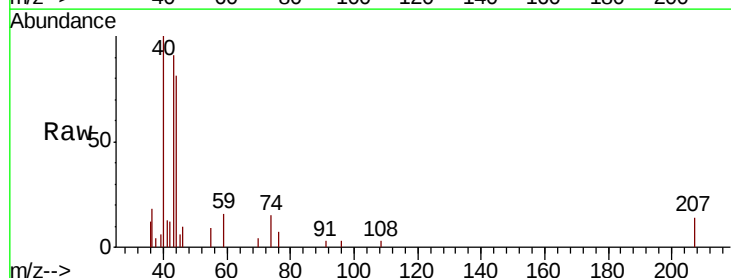
Instrument :
MSVOA_W
ClientSampled :

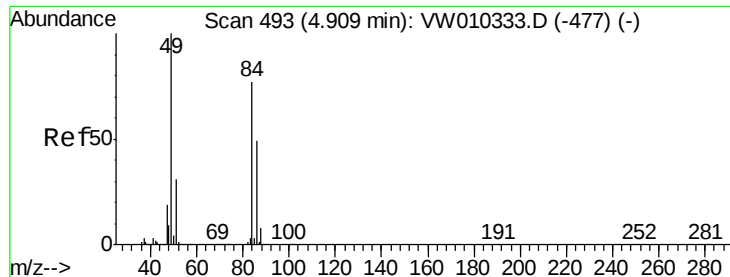
Tot Ion: 43 Resp: 44529
Ion Ratio Lower Upper
43 100
58 29.8 22.7 34.1



#18
Methyl Acetate
Concen: 1.240 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010388.D
Acq: 11 May 2019 18:31

Tgt Ion: 43 Resp: 5689
Ion Ratio Lower Upper
43 100
74 8.0 16.8 25.2#

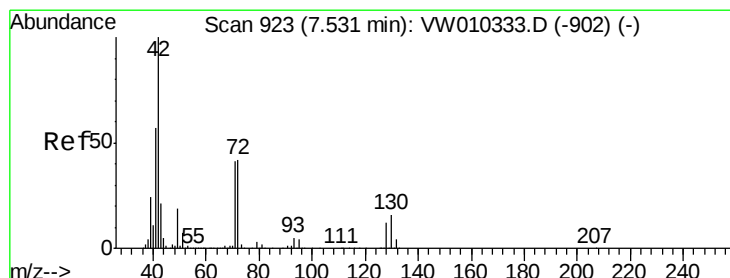
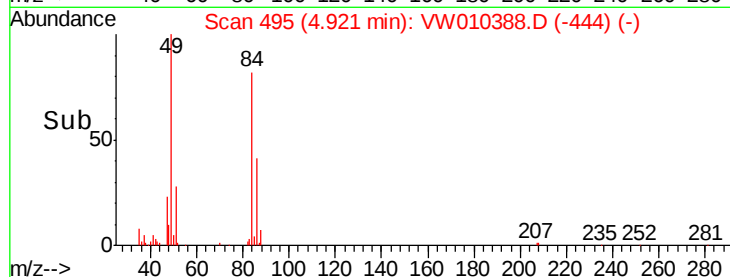
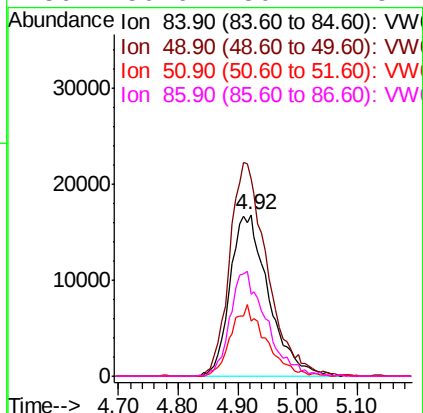
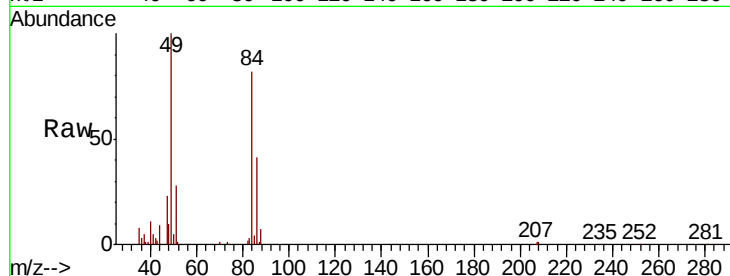




#20
Methvlene Chloride
Concen: 9.757 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010388.D
Acq: 11 May 2019 18:31

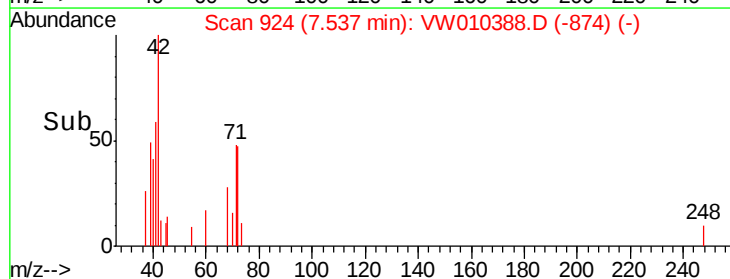
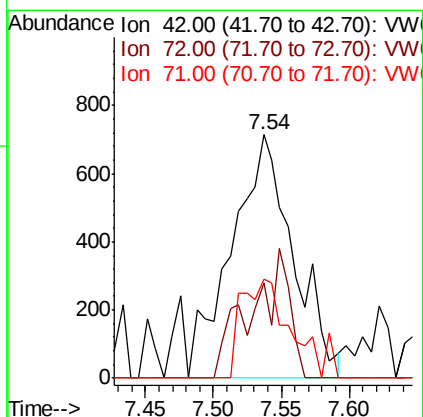
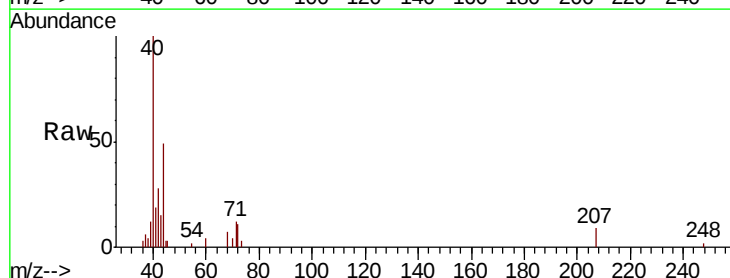
Instrument :
MSVOA_W
ClientSampleId :

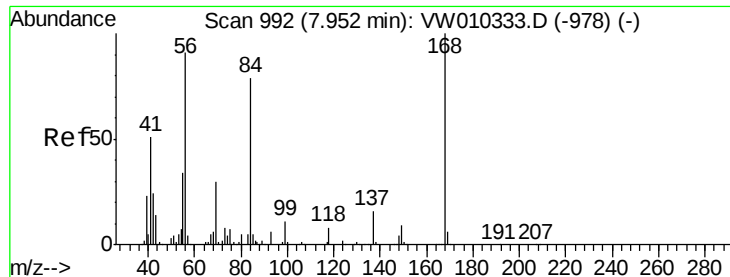
Tot Ion: 84 Resp: 75361
Ion Ratio Lower Upper
84 100
49 122.2 112.3 168.5
51 33.6 33.9 50.9#
86 50.6 50.2 75.4



#29
Tetrahydrofuran
Concen: 1.238 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010388.D
Acq: 11 May 2019 18:31

Tgt Ion: 42 Resp: 2269
Ion Ratio Lower Upper
42 100
72 22.6 31.0 46.6#
71 33.3 29.7 44.5





#31

Cyclohexane

Concen: 1.084 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010388.D

Acq: 11 May 2019 18:31

Instrument :
MSVOA_W
ClientSampleId :

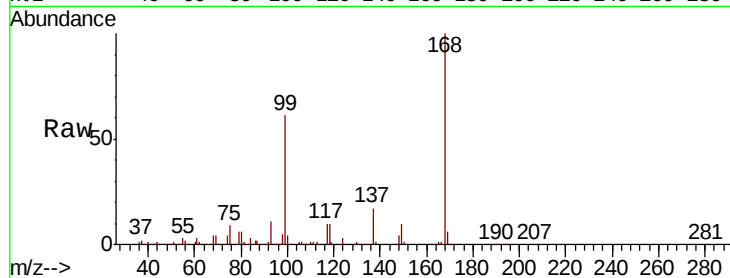
Tot Ion: 56 Resp: 15772

Ion Ratio Lower Upper

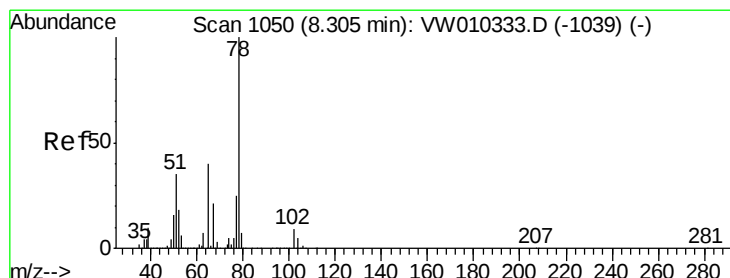
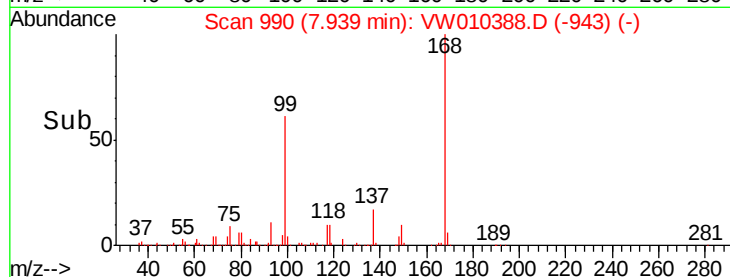
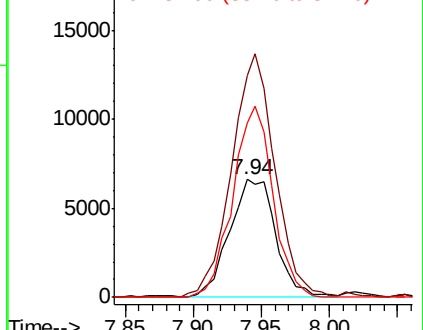
56 100

69 186.2 26.6 40.0#

84 148.1 66.2 99.2#



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: 111.226 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010388.D

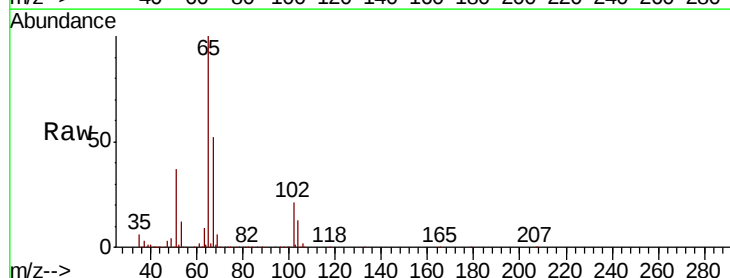
Acq: 11 May 2019 18:31

Tgt Ion: 65 Resp: 790076

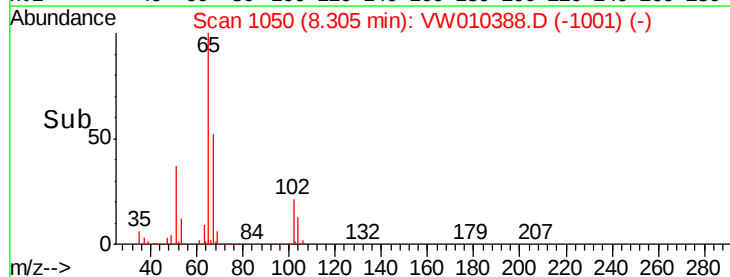
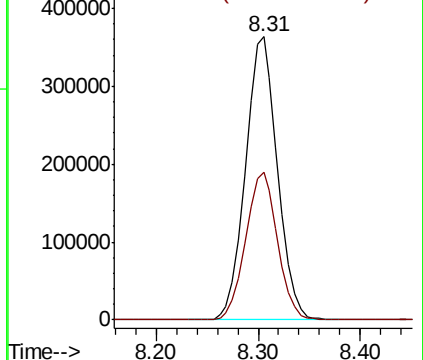
Ion Ratio Lower Upper

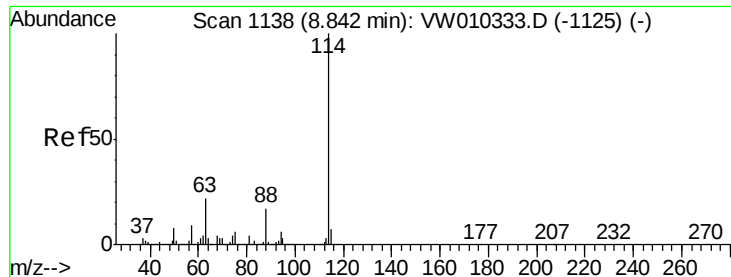
65 100

67 52.0 0.0 100.8



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: VW010388.D

Acq: 11 May 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

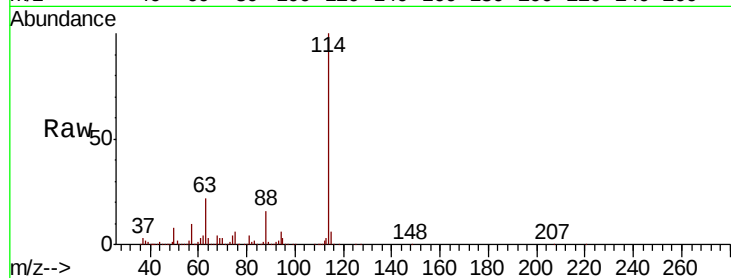
Tot Ion:114 Resp: 1188631

Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.2

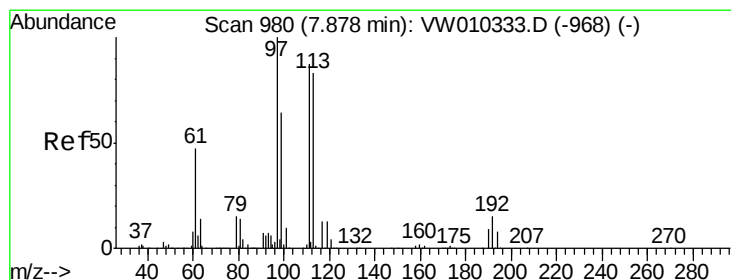
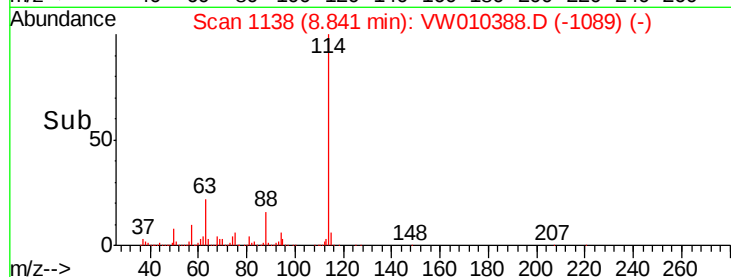
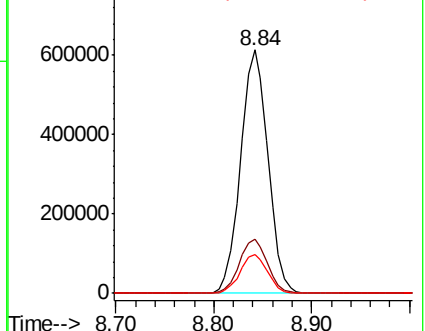
88 16.1 0.0 32.6



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: 88.571 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010388.D

Acq: 11 May 2019 18:31

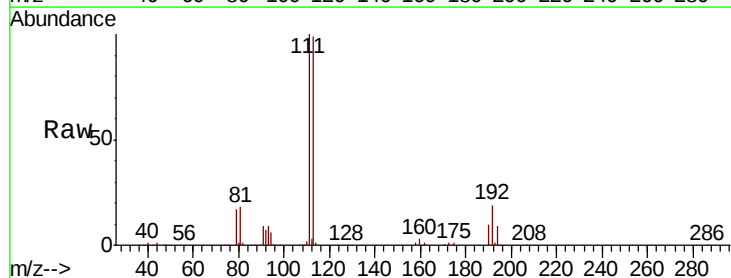
Tgt Ion:113 Resp: 616074

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

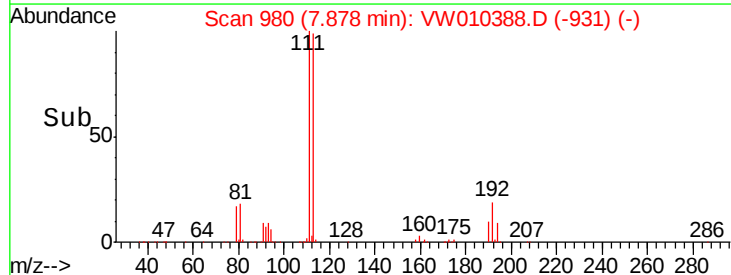
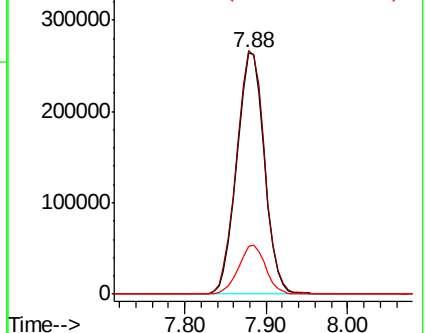
192 19.8 15.4 23.2

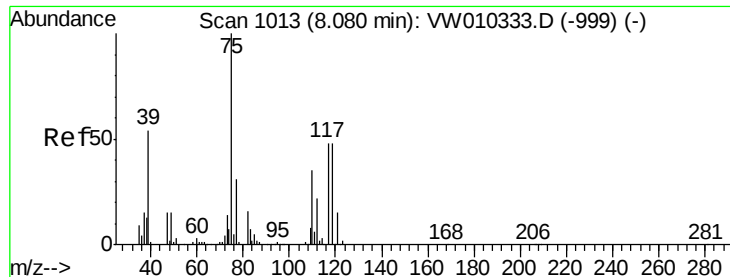


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

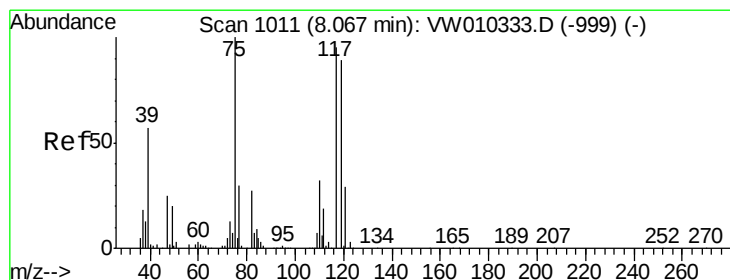
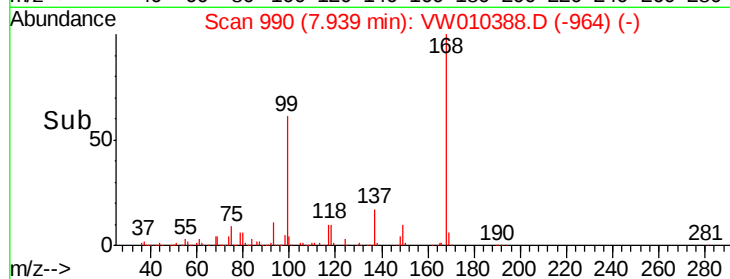
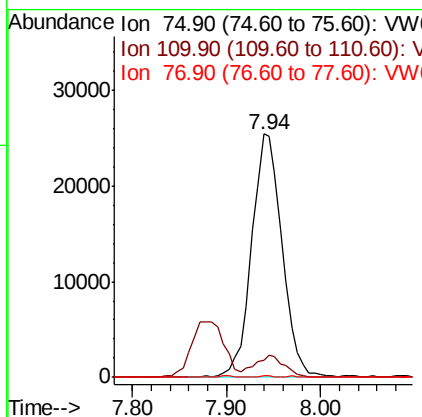
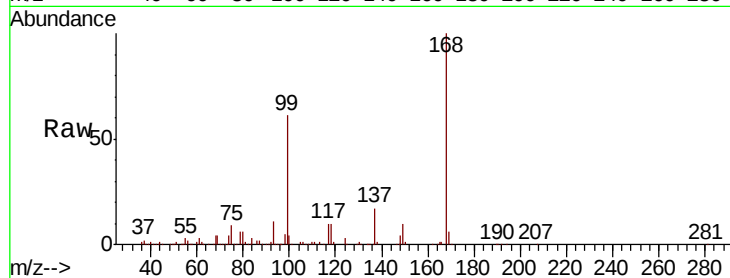




#36
 1,1-Dichloropropene
 Concen: 4.488 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW010388.D
 Acq: 11 May 2019 18:31

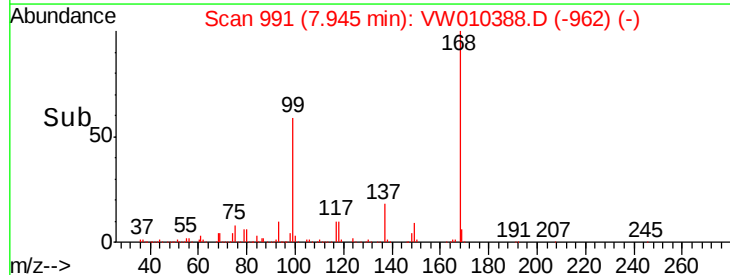
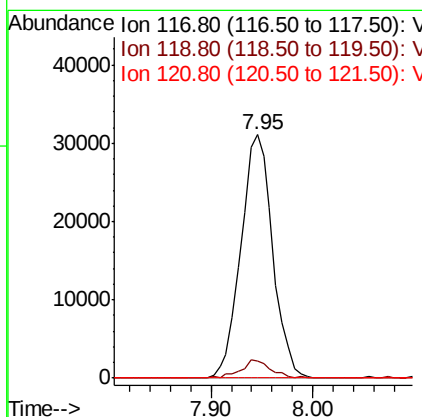
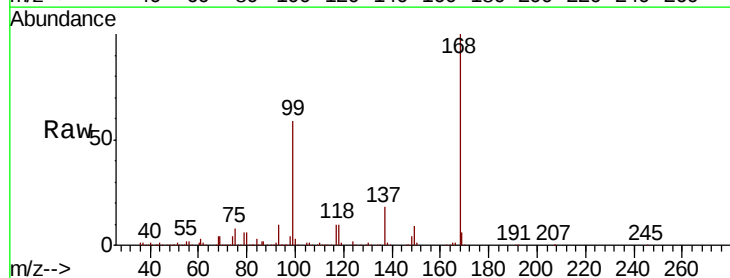
Instrument :
 MSVOA_W
 ClientSampleId :

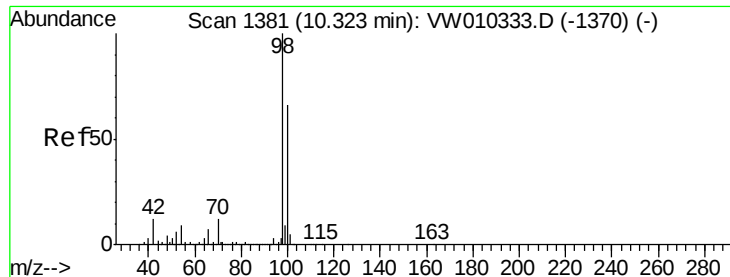
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.6	49.8#
77	0.3	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.094 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010388.D
 Acq: 11 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.0	75.3	112.9#
121	0.0	24.4	36.6#





#50

Toluene-d8

Concen: 26.945 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010388.D

Acq: 11 May 2019 18:31

Instrument :

MSVOA_W

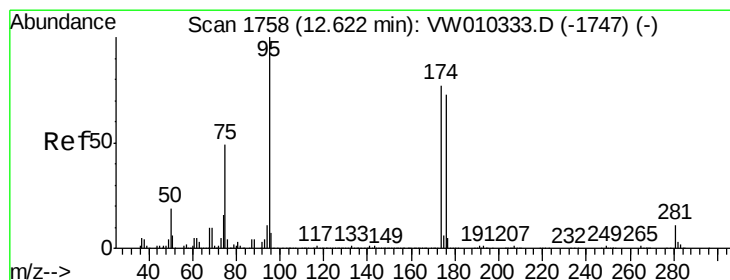
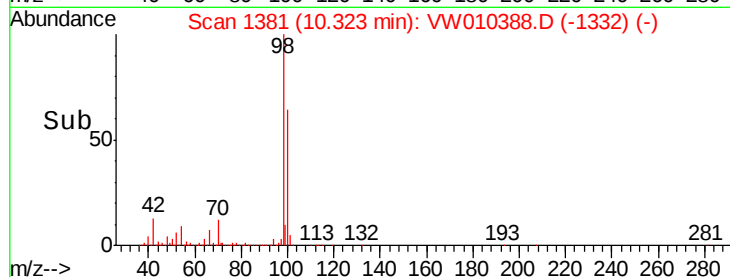
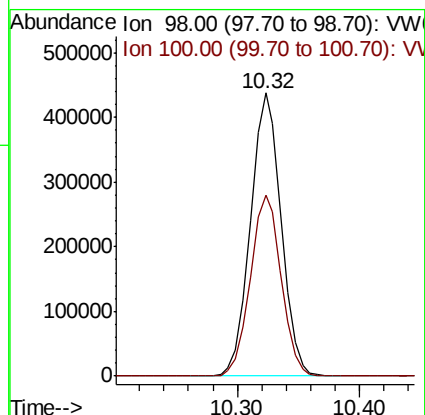
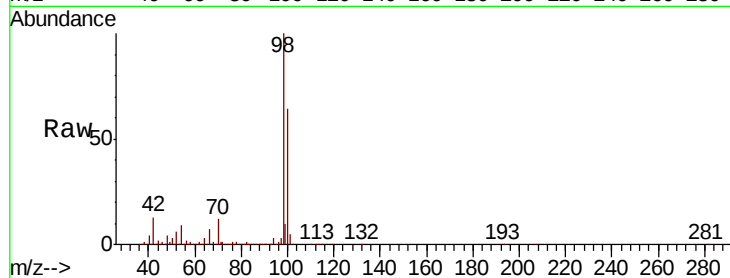
ClientSampleId :

Tot Ion: 98 Resp: 763197

Ion Ratio Lower Upper

98 100

100 64.4 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 25.927 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010388.D

Acq: 11 May 2019 18:31

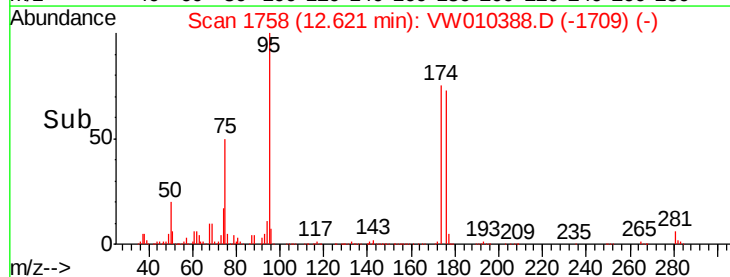
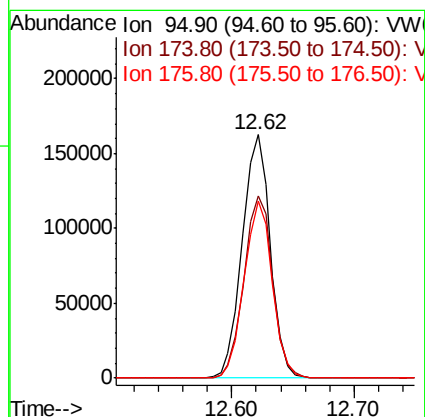
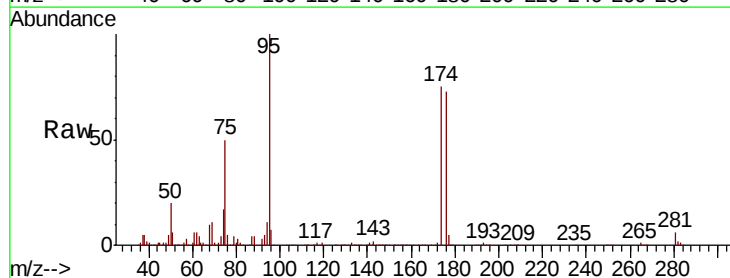
Tgt Ion: 95 Resp: 258501

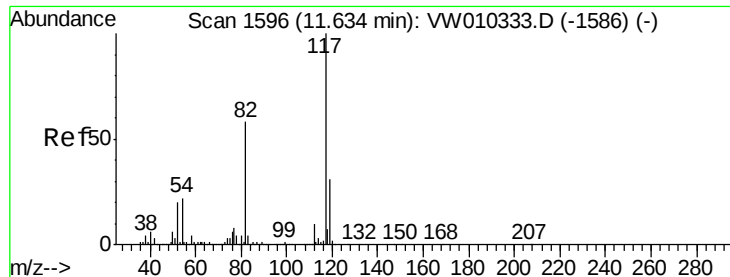
Ion Ratio Lower Upper

95 100

174 76.9 0.0 151.4

176 73.3 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010388.D

Acq: 11 May 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

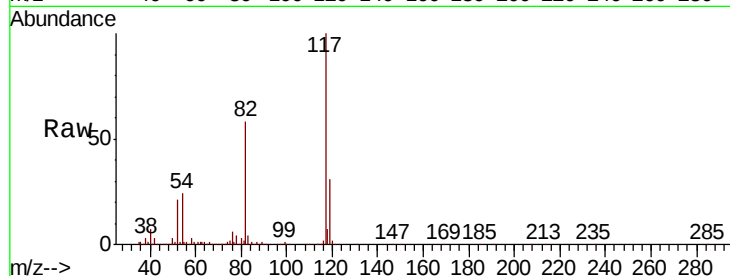
Tot Ion:117 Resp: 671515

Ion Ratio Lower Upper

117 100

82 57.8 45.2 67.8

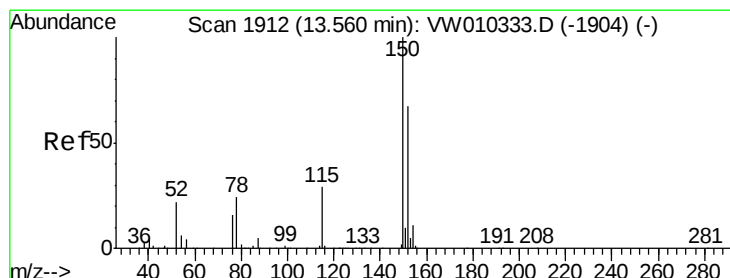
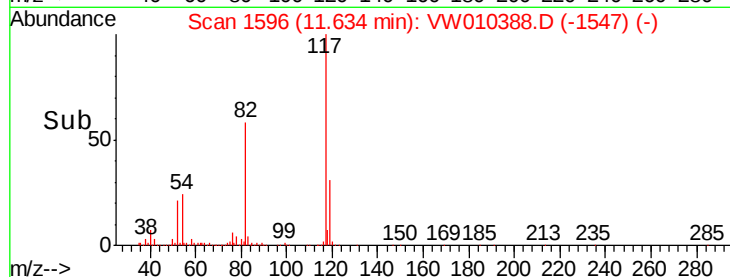
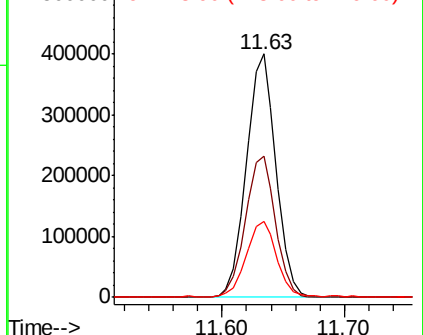
119 30.9 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010388.D

Acq: 11 May 2019 18:31

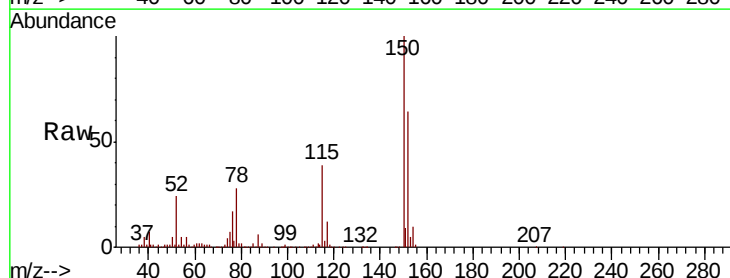
Tgt Ion:152 Resp: 169716

Ion Ratio Lower Upper

152 100

115 61.3 30.4 91.2

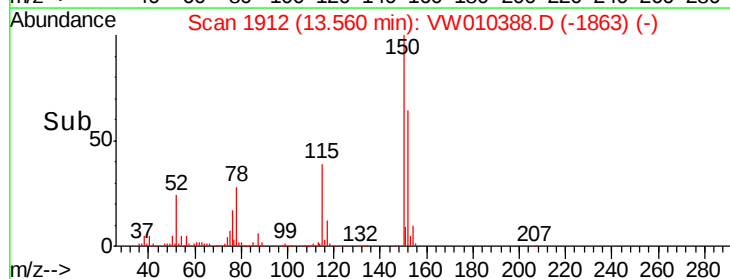
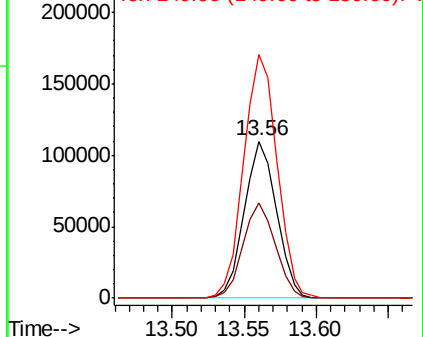
150 161.1 0.0 347.0

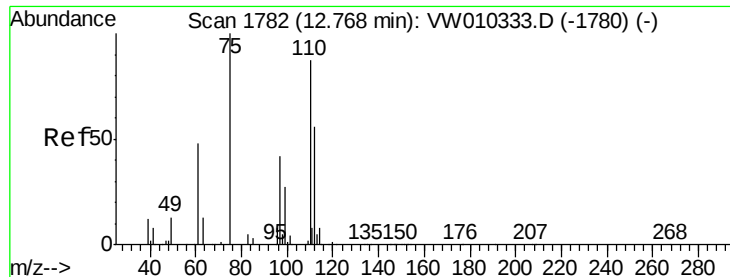


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 65.867 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010388.D

Acq: 11 May 2019 18:31

Instrument :

MSVOA_W

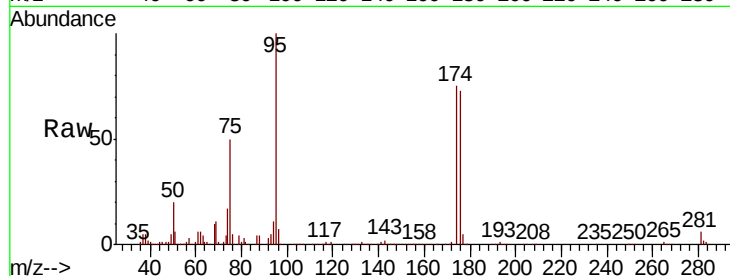
ClientSampleId :

Tot Ion: 75 Resp: 130335

Ion Ratio Lower Upper

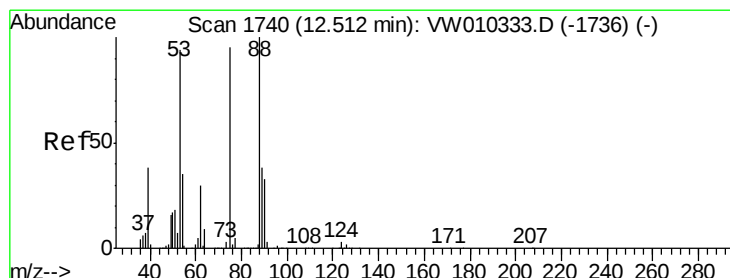
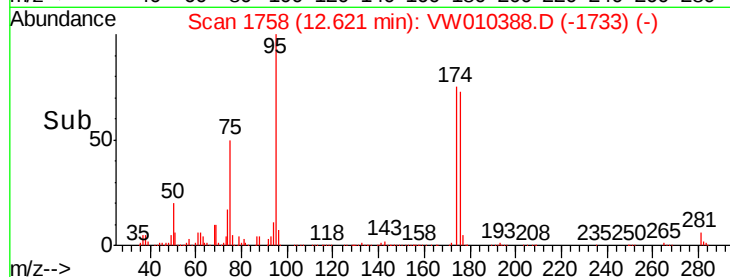
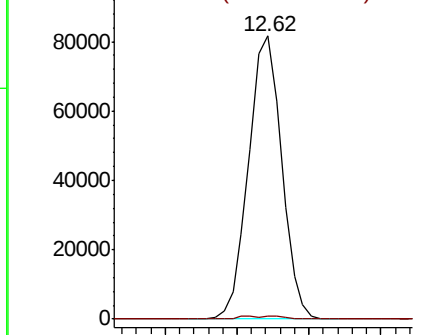
75 100

77 0.7 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: 148.749 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010388.D

Acq: 11 May 2019 18:31

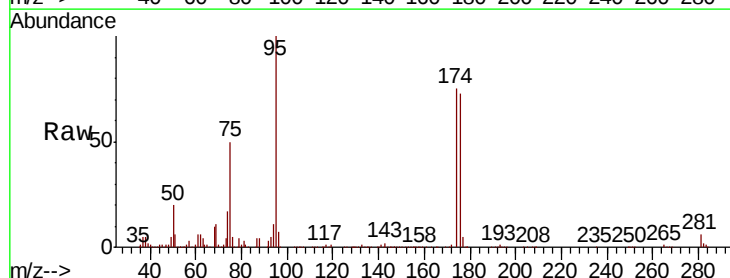
Tgt Ion: 75 Resp: 130335

Ion Ratio Lower Upper

75 100

53 0.5 89.8 134.8#

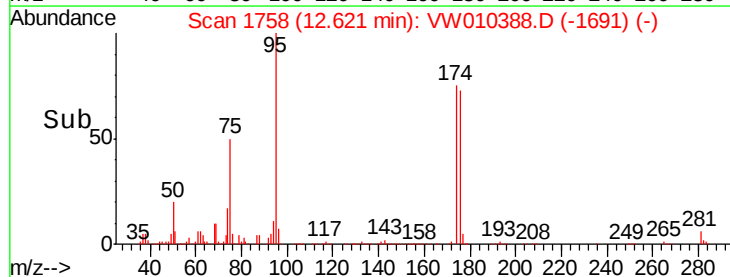
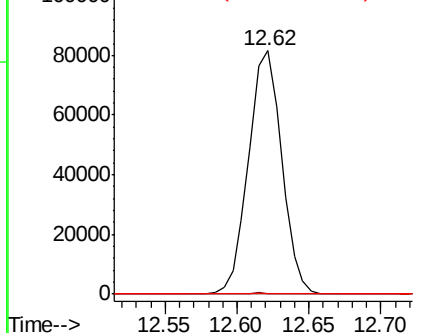
89 0.1 36.6 54.8#

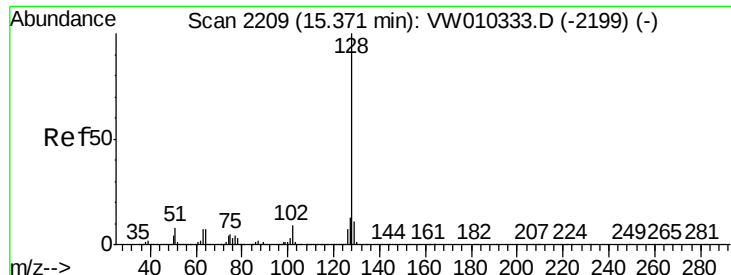


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 3.792 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW010388.D
Acq: 11 May 2019 18:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.6	15.8
129	5.1	8.7	13.1

