

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010371.D
 Acq On : 10 May 2019 22:18
 Operator : SY/VA
 Sample : K2718-14
 Misc : 6.46G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: May 11 00:22:02 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	245247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	440215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114896	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	190151	72.93	ug/l	0.00
Spiked Amount			Recovery	=	145.86%	
35) Dibromofluoromethane	7.88	113	156081	60.59	ug/l	0.00
Spiked Amount			Recovery	=	121.18%	
50) Toluene-d8	10.32	98	367474	35.03	ug/l	0.00
Spiked Amount			Recovery	=	70.06%	
62) 4-Bromofluorobenzene	12.62	95	104958	28.42	ug/l	0.00
Spiked Amount			Recovery	=	56.84%	

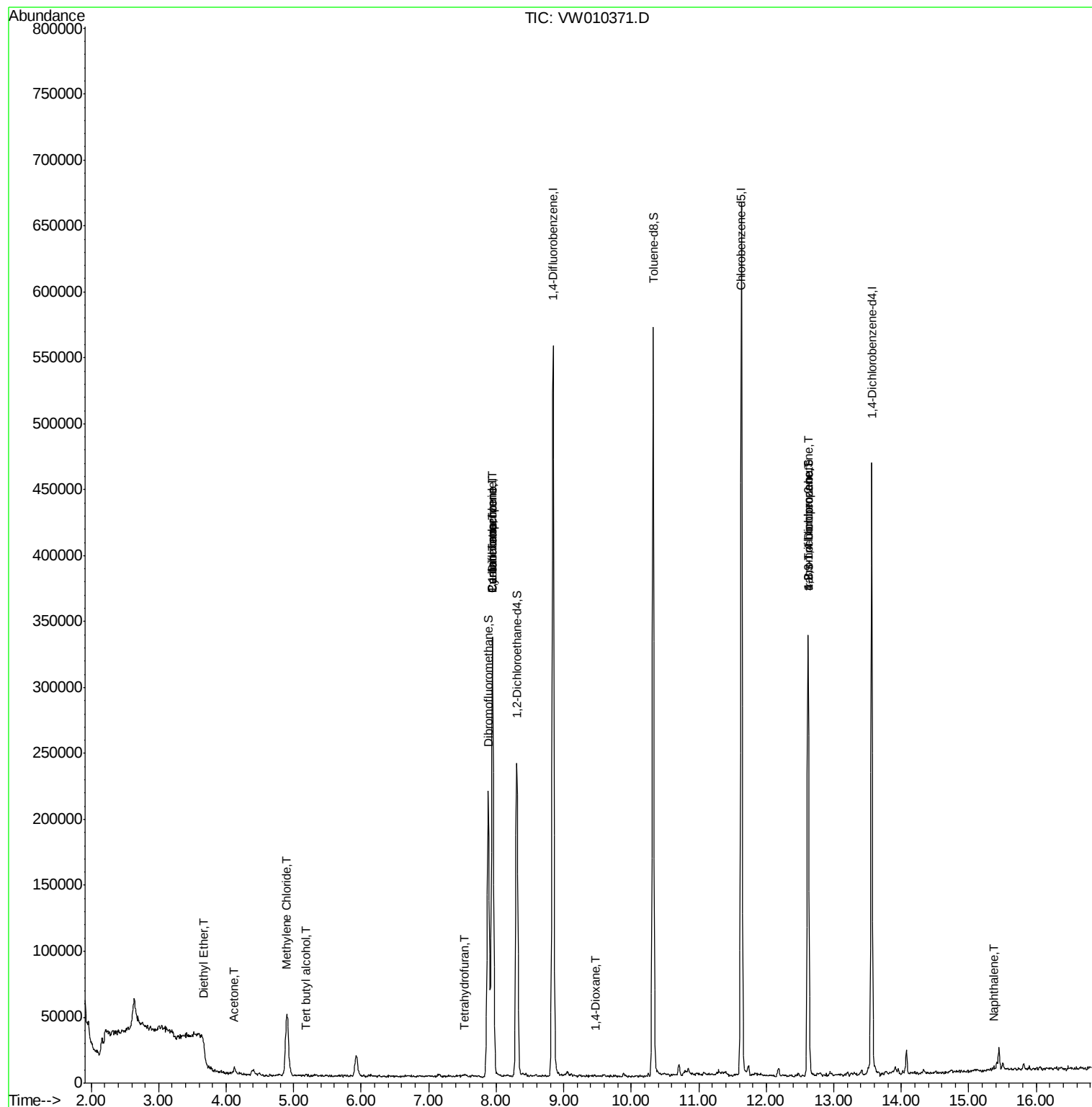
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	4358	3.174	ug/l	97
11) Tert butyl alcohol	5.18	59	812	4.410	ug/l #	71
16) Acetone	4.12	43	9251	13.610	ug/l	93
20) Methylene Chloride	4.90	84	34880	12.303	ug/l	93
29) Tetrahydrofuran	7.54	42	1338	1.989	ug/l #	71
31) Cyclohexane	7.94	56	6611	1.238	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	21170	4.435	ug/l #	50
38) Carbon Tetrachloride	7.95	117	23151	5.658	ug/l #	18
49) 1,4-Dioxane	9.46	88	105	3.587	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	55337	41.309	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55337	93.288	ug/l #	6
95) Naphthalene	15.37	128	1200	3.808	ug/l	96

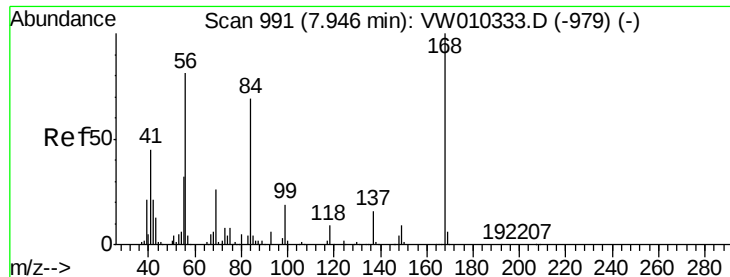
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
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Quant Title : SW846 8260
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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: VW010371.D

Acq: 10 May 2019 22:18

Instrument :

MSVOA_W

ClientSampled :

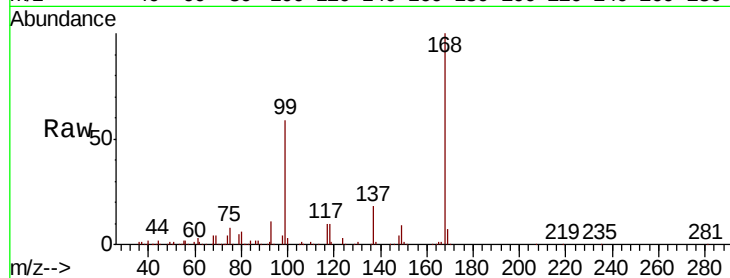
BFB

Tgt Ion:168 Resp: 245247

Ion Ratio Lower Upper

168 100

99 59.0 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

120000

100000

80000

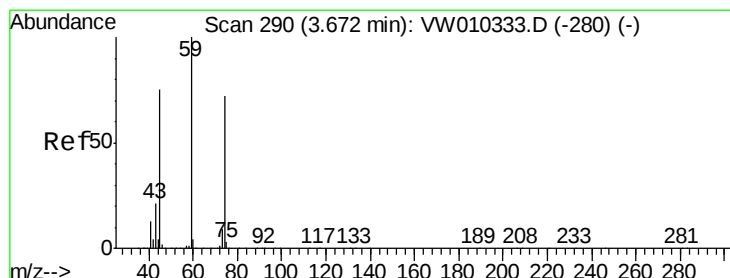
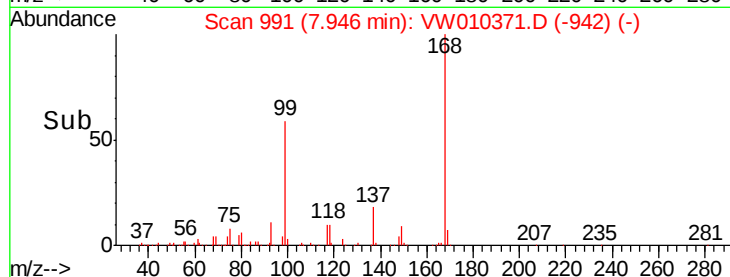
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 3.174 ug/l

RT: 3.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VW010371.D

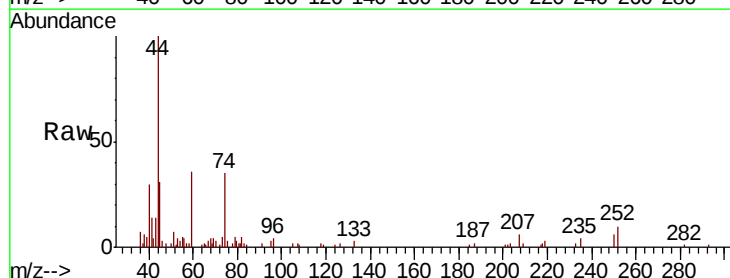
Acq: 10 May 2019 22:18

Tgt Ion: 74 Resp: 4358

Ion Ratio Lower Upper

74 100

45 108.3 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

2500

2000

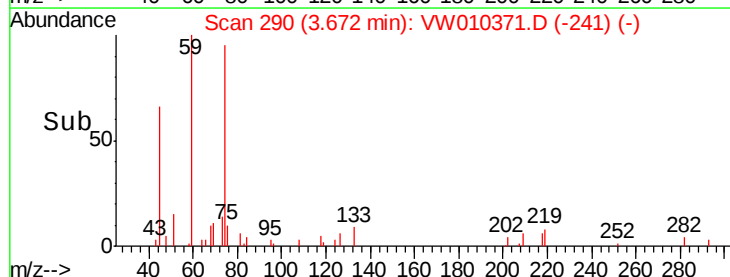
1500

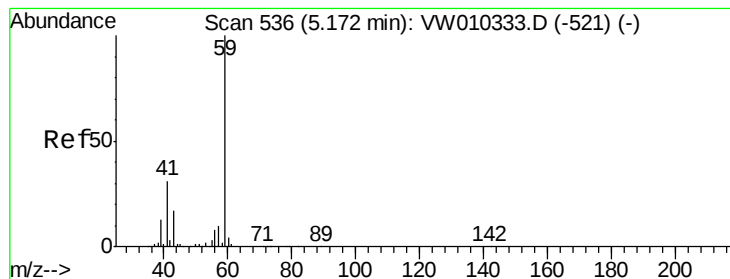
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 4.410 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010371.D

Acq: 10 May 2019 22:18

Instrument :

MSVOA_W

ClientSampled :

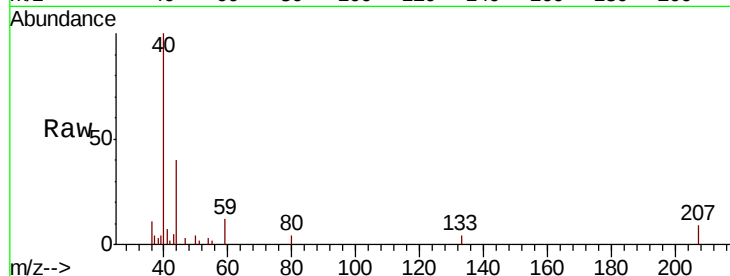
BFB

Tgt Ion: 59 Resp: 812

Ion Ratio Lower Upper

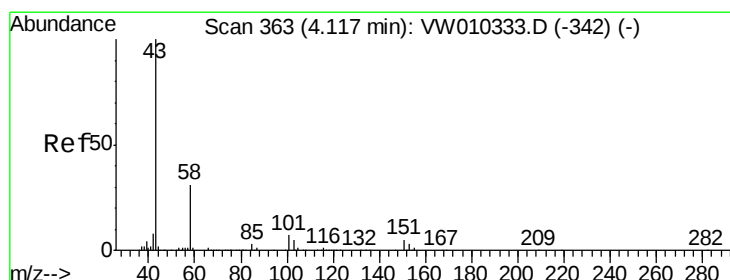
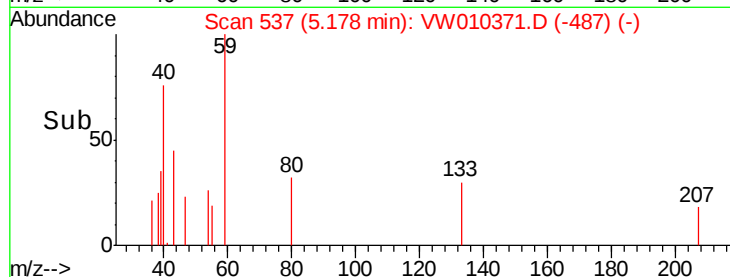
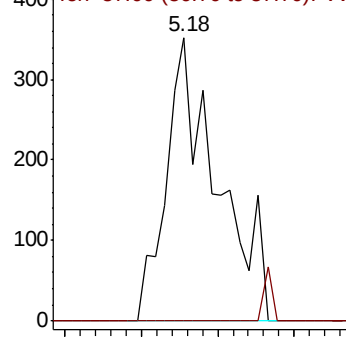
59 100

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



#16

Acetone

Concen: 13.610 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010371.D

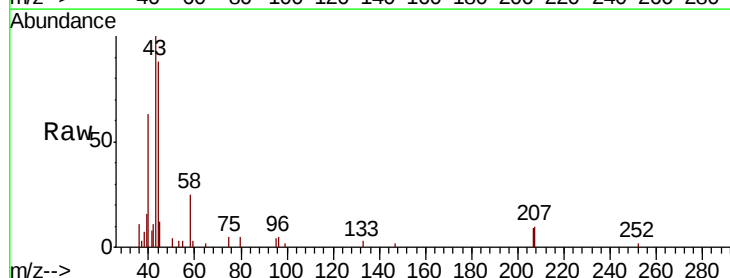
Acq: 10 May 2019 22:18

Tgt Ion: 43 Resp: 9251

Ion Ratio Lower Upper

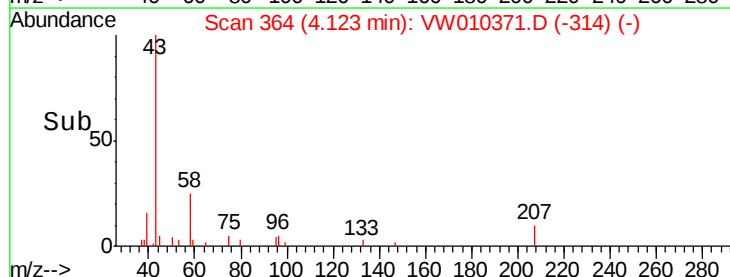
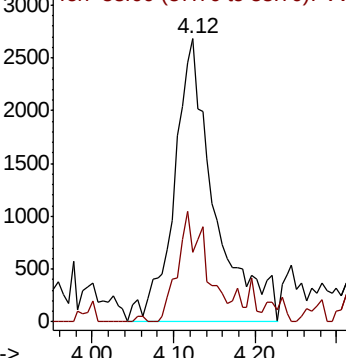
43 100

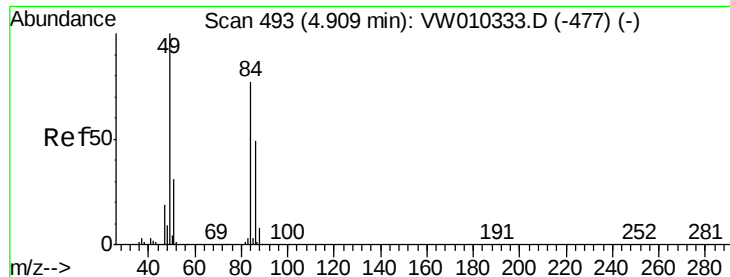
58 24.7 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 12.303 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.01 min

Lab File: VW010371.D

Acq: 10 May 2019 22:18

Instrument :

MSVOA_W

ClientSampleId :

BFB

Tgt Ion: 84 Resp: 34880

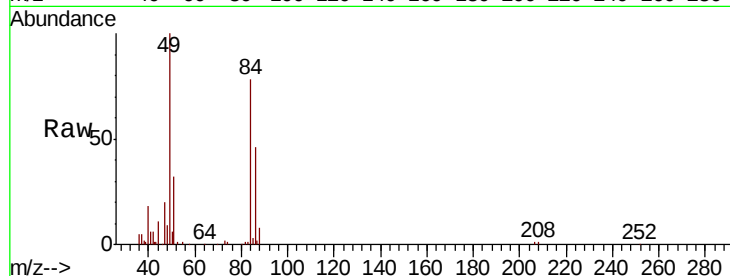
Ion Ratio Lower Upper

84 100

49 128.9 112.3 168.5

51 40.7 33.9 50.9

86 58.9 50.2 75.4

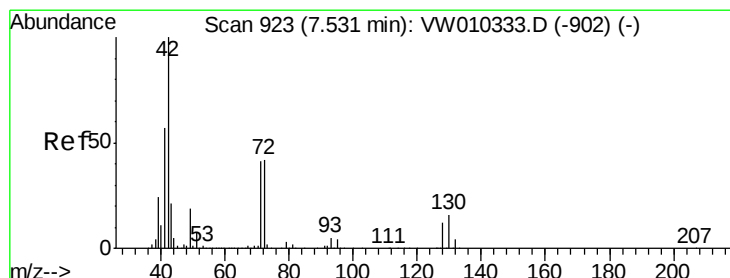
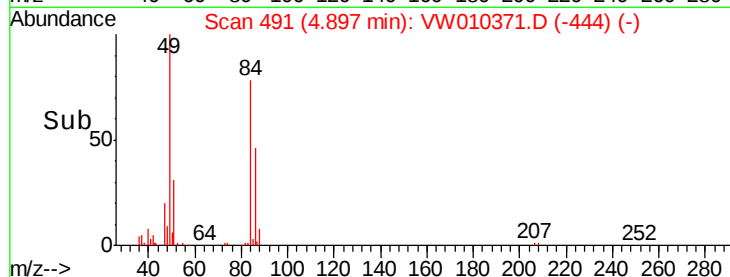
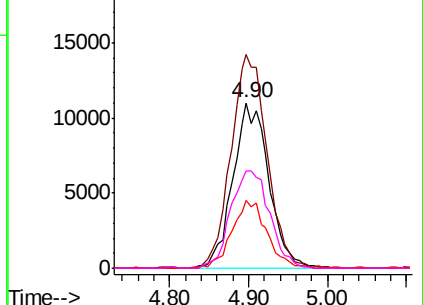


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.989 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010371.D

Acq: 10 May 2019 22:18

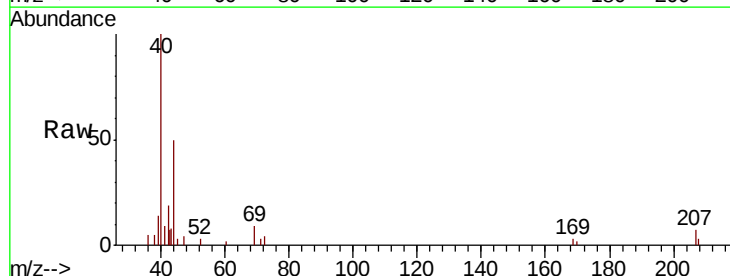
Tgt Ion: 42 Resp: 1338

Ion Ratio Lower Upper

42 100

72 26.6 31.0 46.6#

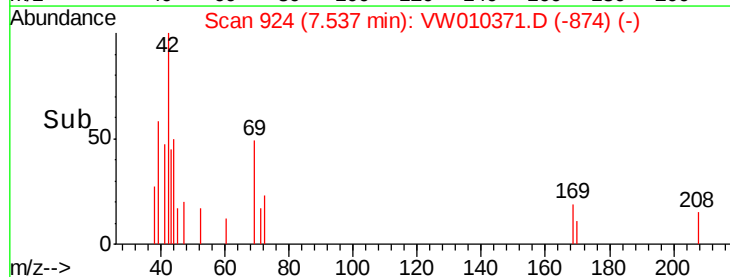
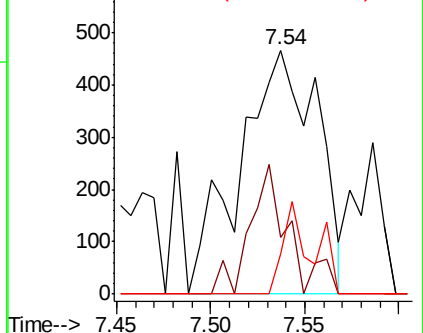
71 14.3 29.7 44.5#

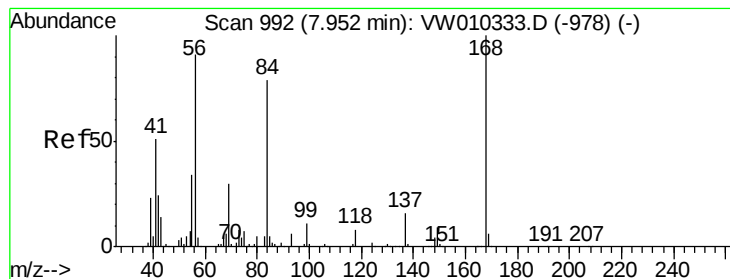


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.238 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010371.D

Acq: 10 May 2019 22:18

Instrument :

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ClientSampleId :

BFB

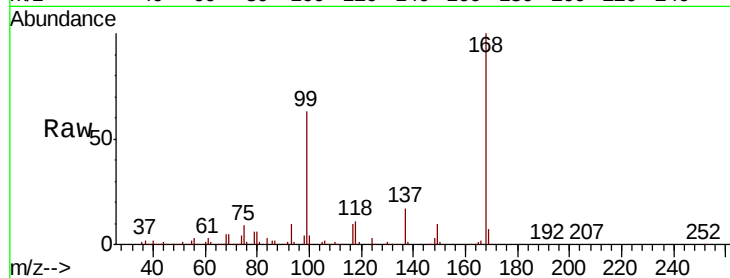
Tgt Ion: 56 Resp: 6611

Ion Ratio Lower Upper

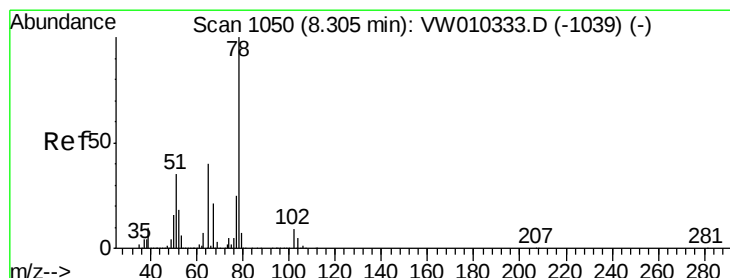
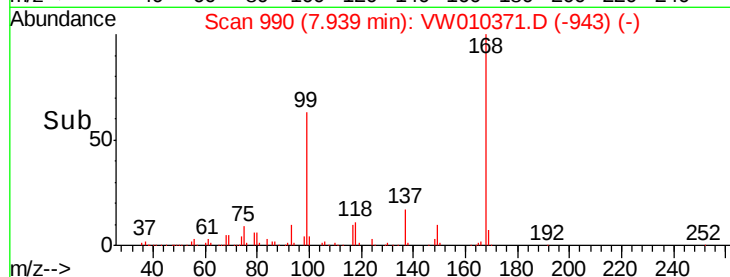
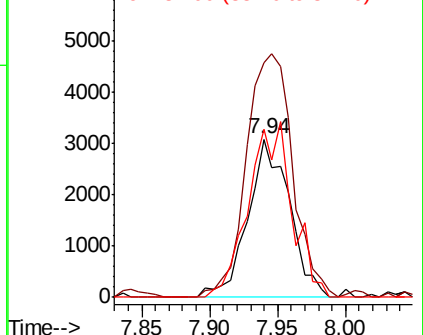
56 100

69 148.2 26.6 40.0#

84 106.5 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: 72.930 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010371.D

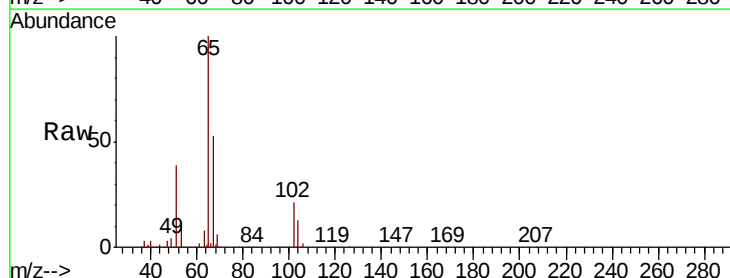
Acq: 10 May 2019 22:18

Tgt Ion: 65 Resp: 190151

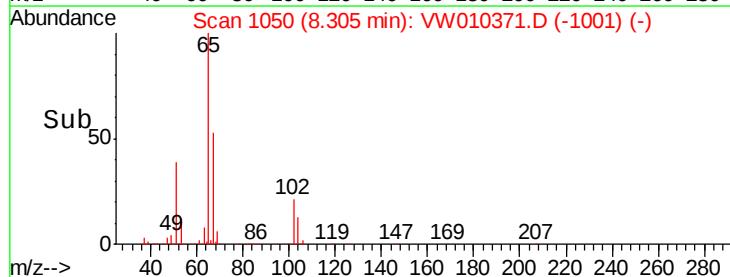
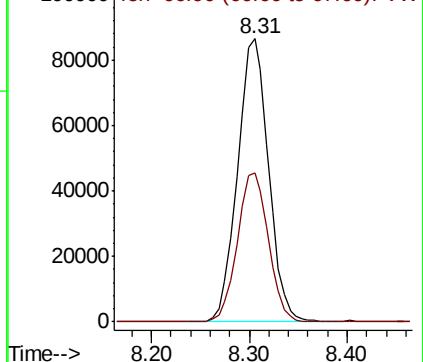
Ion Ratio Lower Upper

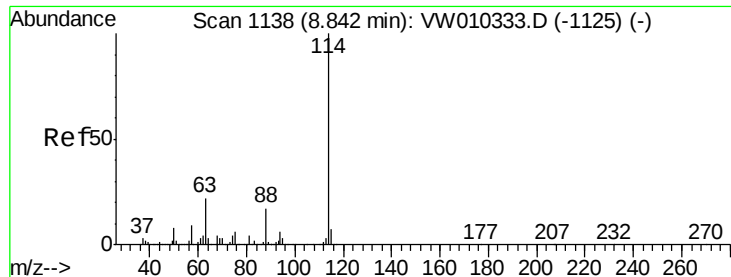
65 100

67 52.6 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: VW010371.D

Acq: 10 May 2019 22:18

Instrument :

MSVOA_W

ClientSampleId :

BFB

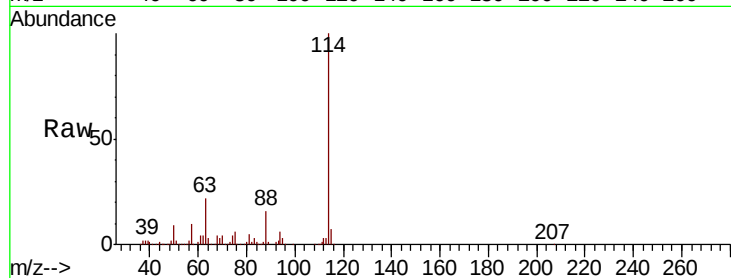
Tgt Ion:114 Resp: 440215

Ion Ratio Lower Upper

114 100

63 21.8 0.0 46.2

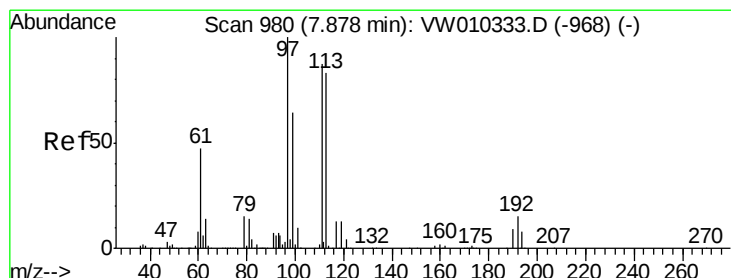
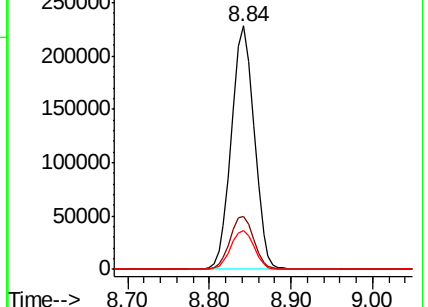
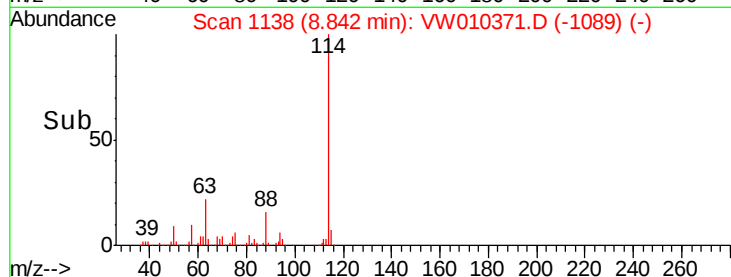
88 16.1 0.0 32.6



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: 60.588 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010371.D

Acq: 10 May 2019 22:18

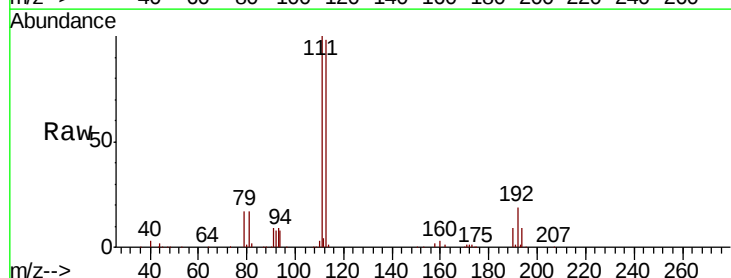
Tgt Ion:113 Resp: 156081

Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

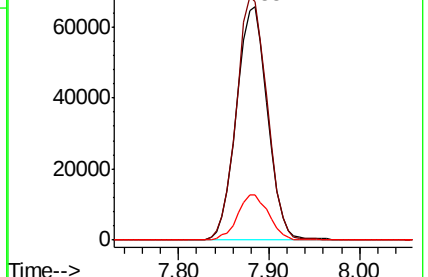
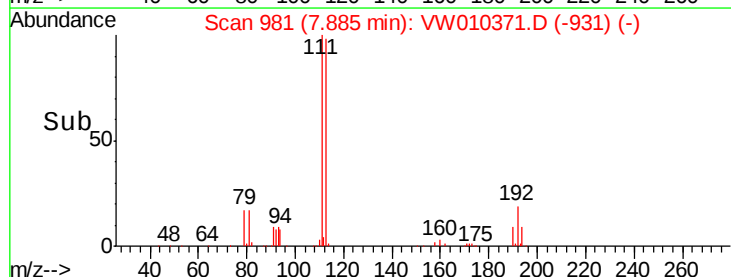
192 19.5 15.4 23.2

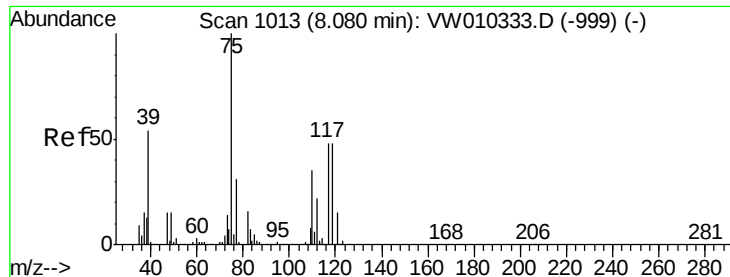


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

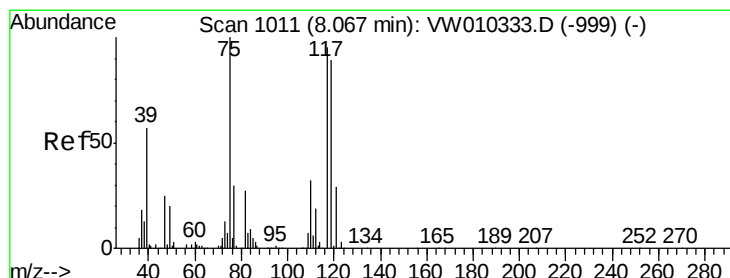
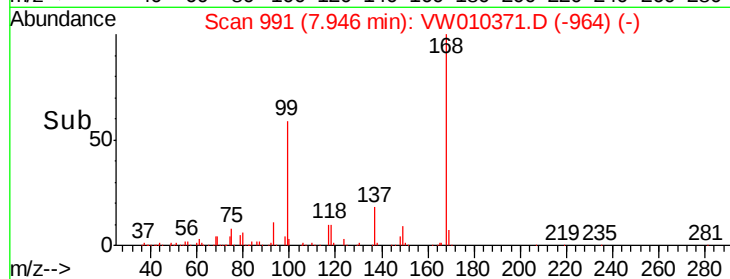
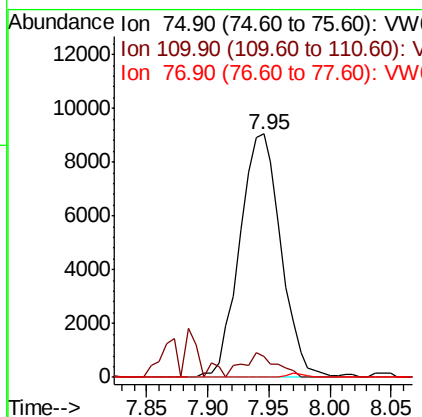
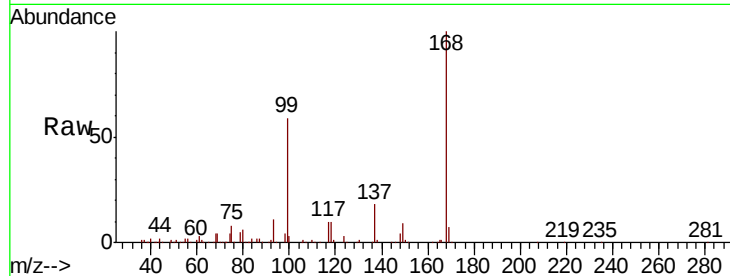




#36
 1,1-Dichloropropene
 Concen: 4.435 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010371.D
 Acq: 10 May 2019 22:18

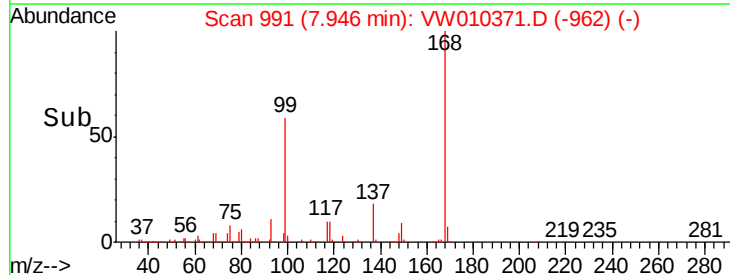
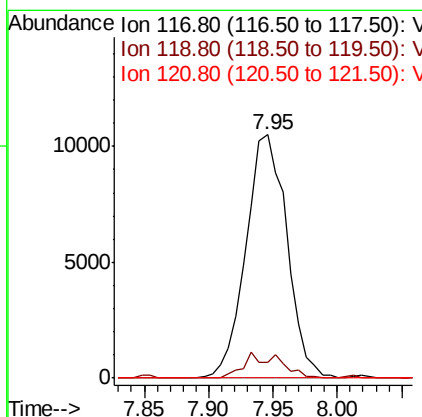
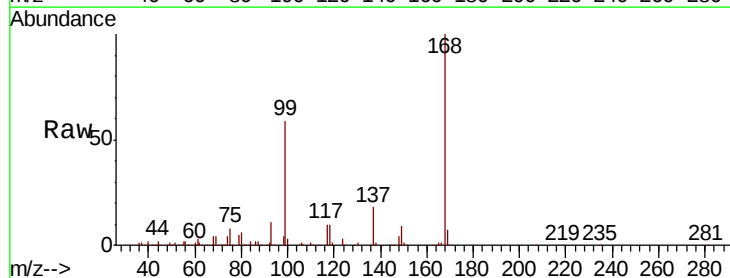
Instrument :
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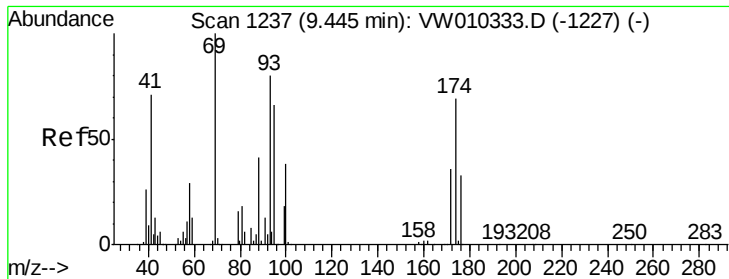
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.6	49.8#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.658 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010371.D
 Acq: 10 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	75.3	112.9#
121	0.0	24.4	36.6#

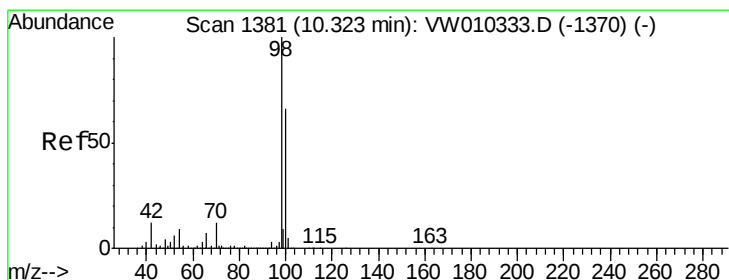
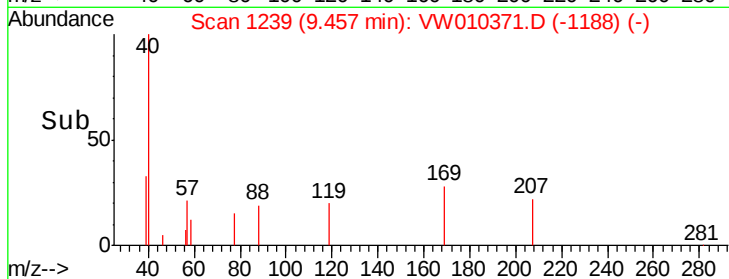
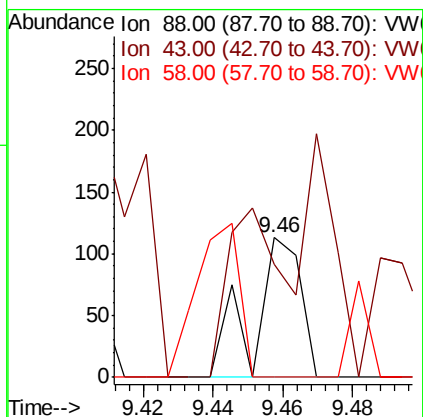
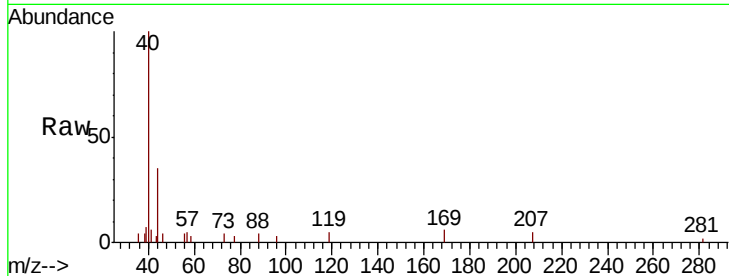




#49
1,4-Dioxane
Concen: 3.587 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW010371.D
Acq: 10 May 2019 22:18

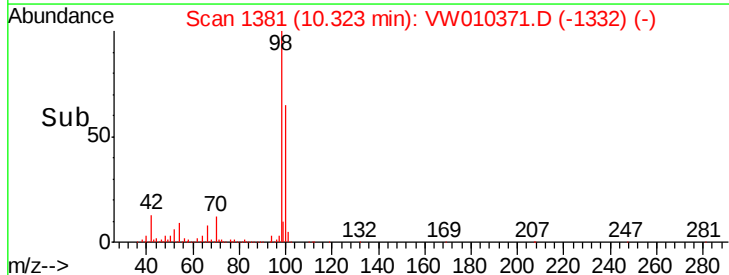
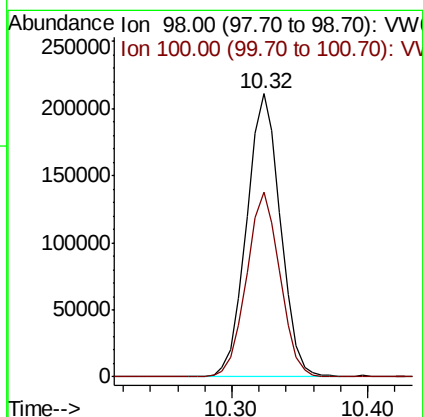
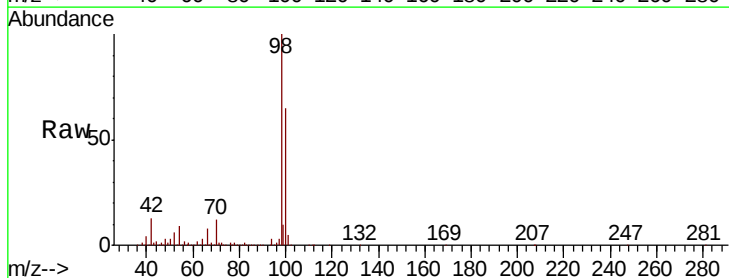
Instrument :
MSVOA_W
ClientSampled :
BFB

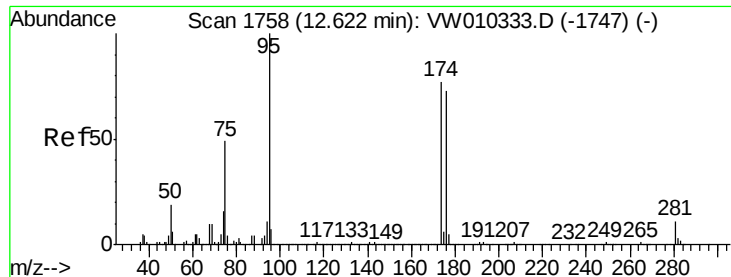
Tgt Ion: 88 Resp: 105
Ion Ratio Lower Upper
88 100
43 143.8 31.9 47.9#
58 101.0 61.8 92.6#



#50
Toluene-d8
Concen: 35.031 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010371.D
Acq: 10 May 2019 22:18

Tgt Ion: 98 Resp: 367474
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5

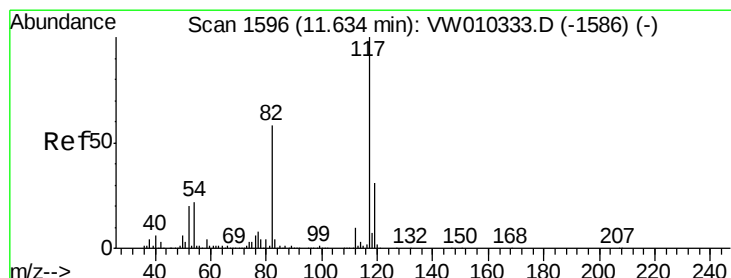
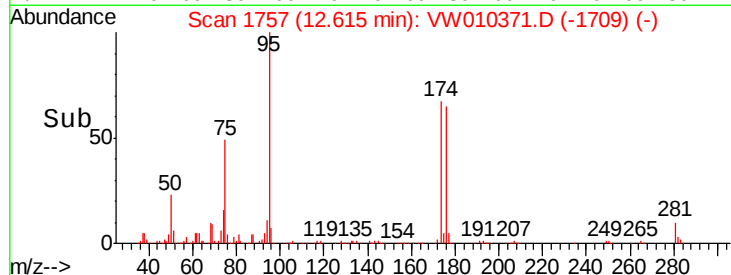
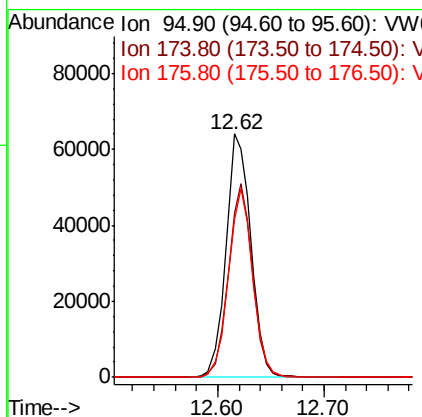
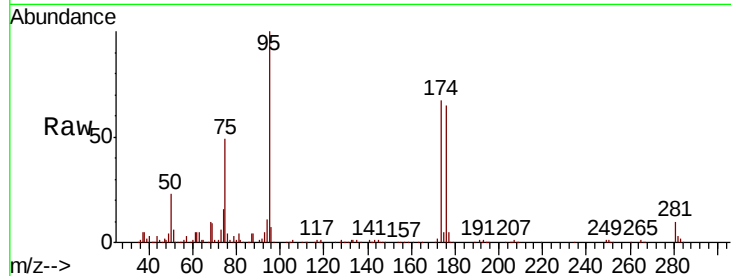




#62
4-Bromofluorobenzene
Concen: 28.425 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW010371.D
Acq: 10 May 2019 22:18

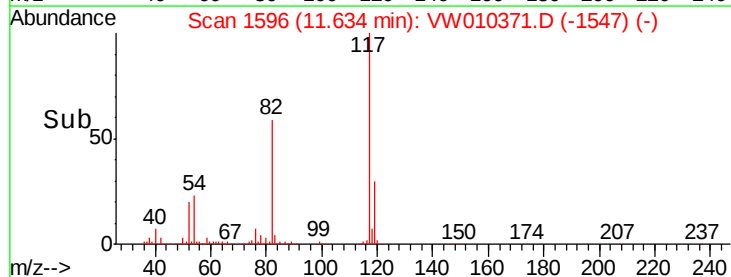
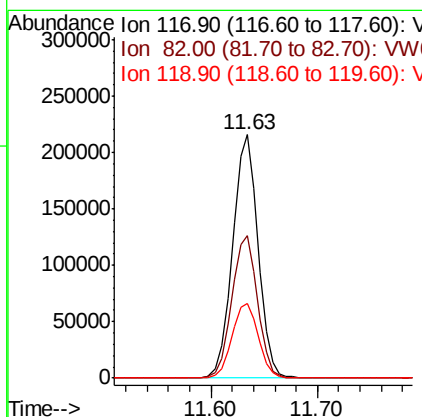
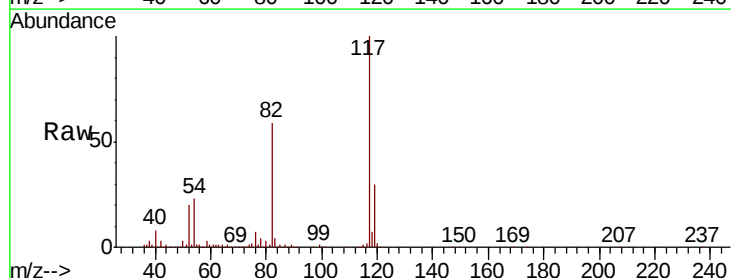
Instrument :
MSVOA_W
ClientSampleId :
BFB

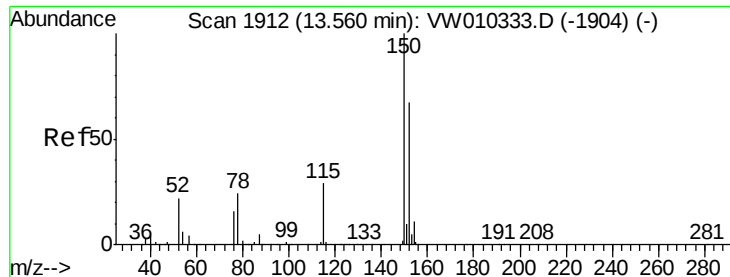
Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	151.4
176	75.2	0.0	146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010371.D
Acq: 10 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.2	67.8
119	30.4	25.4	38.2



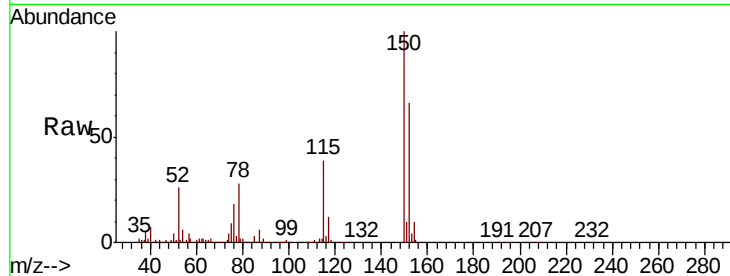


#72

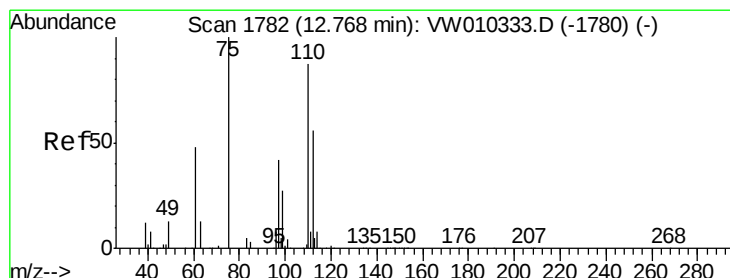
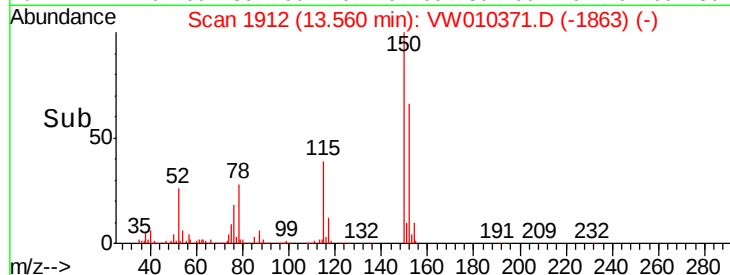
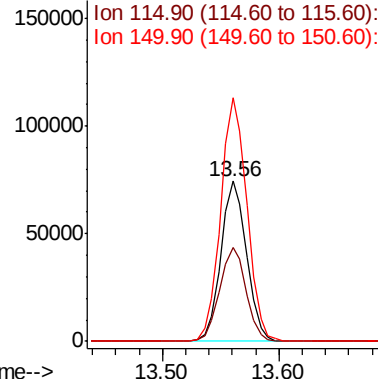
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010371.D
Acq: 10 May 2019 22:18

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.4	91.2
150	155.4	0.0	347.0



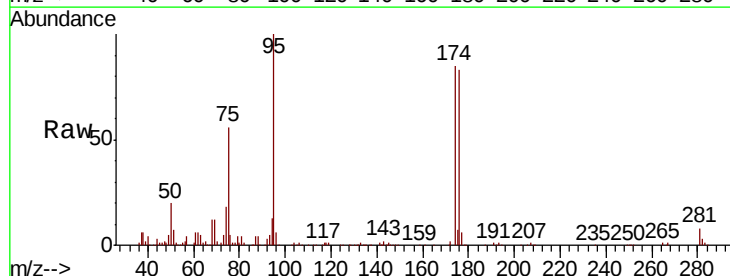
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



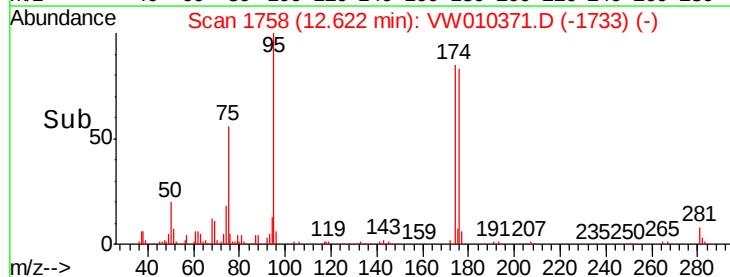
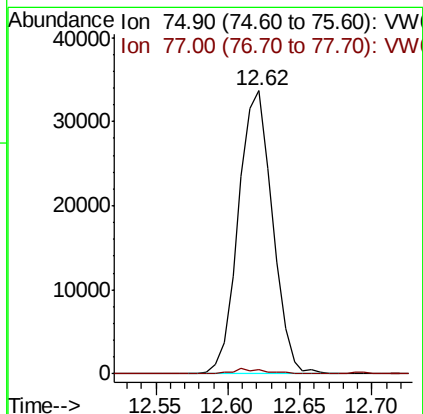
#76

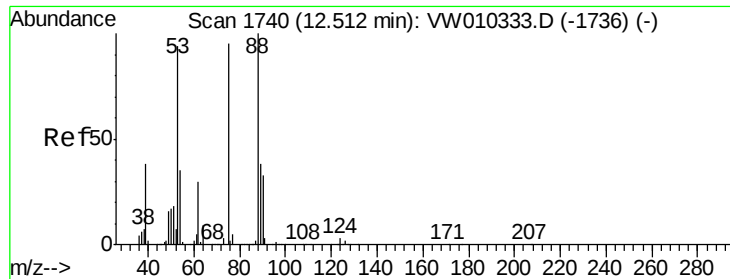
1,2,3-Trichloropropane
Concen: 41.309 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010371.D
Acq: 10 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.9	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: 93.288 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010371.D

Acq: 10 May 2019 22:18

Instrument :

MSVOA_W

ClientSampleId :

BFB

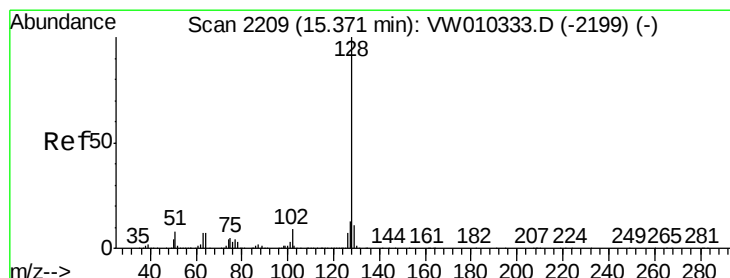
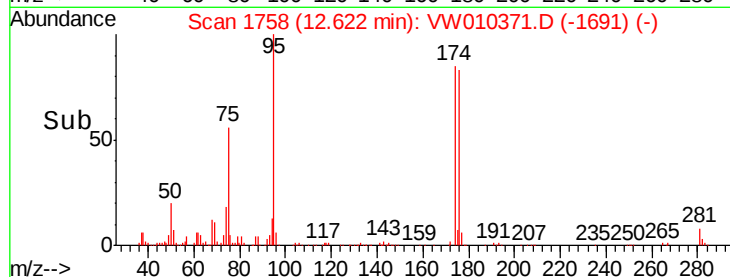
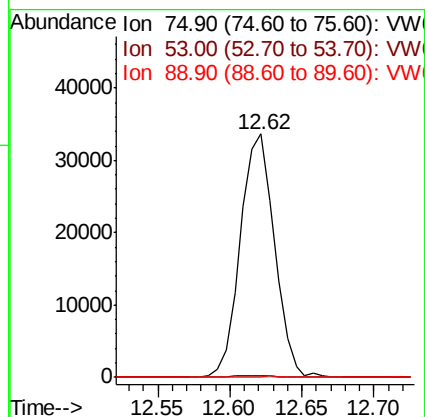
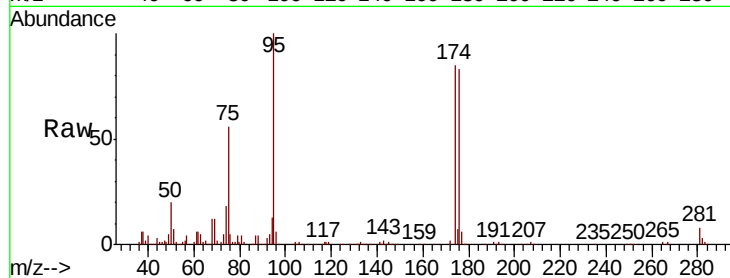
Tgt Ion: 75 Resp: 55337

Ion Ratio Lower Upper

75 100

53 0.8 89.8 134.8#

89 0.3 36.6 54.8#



#95

Naphthalene

Concen: 3.808 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010371.D

Acq: 10 May 2019 22:18

Tgt Ion: 128 Resp: 1200

Ion Ratio Lower Upper

128 100

127 15.0 10.6 15.8

129 9.5 8.7 13.1

