

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
 Data File : VW011754.D
 Acq On : 07 Aug 2019 16:31
 Operator : SY/VA
 Sample : K4208-04
 Misc : 5.79G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-01(7-9)

Quant Time: Aug 08 08:41:27 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	212666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	352692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	283763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97883	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	140178	57.40	ug/l	0.00
Spiked Amount	50.000			Recovery	=	114.80%	
35) Dibromofluoromethane		7.88	113	111112	56.16	ug/l	0.00
Spiked Amount	50.000			Recovery	=	112.32%	
50) Toluene-d8		10.32	98	433024	53.45	ug/l	0.00
Spiked Amount	50.000			Recovery	=	106.90%	
62) 4-Bromofluorobenzene		12.62	95	124121	42.97	ug/l	0.00
Spiked Amount	50.000			Recovery	=	85.94%	

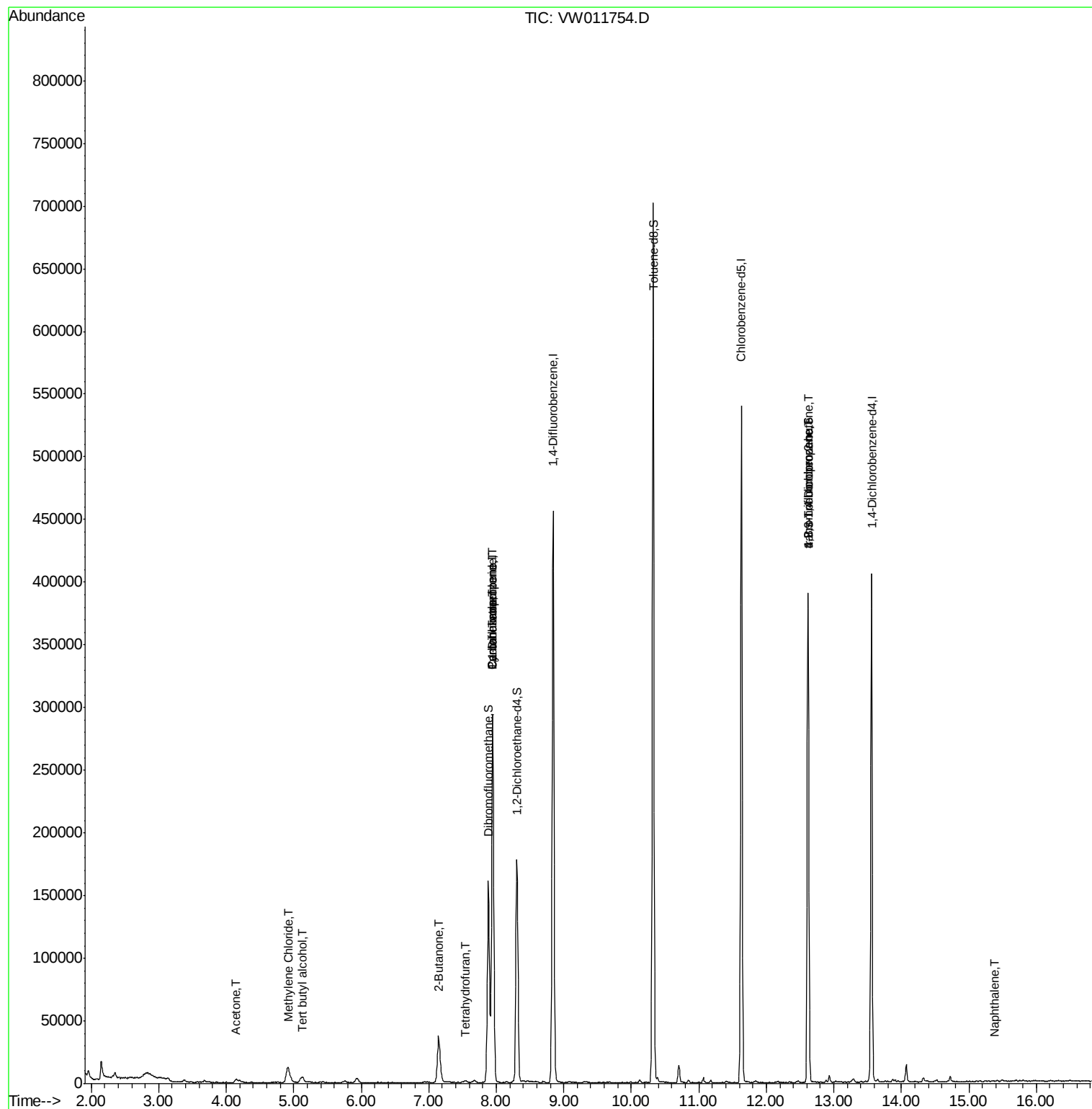
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	4565	8.075	ug/l #	72
16) Acetone	4.15	43	5671	7.301	ug/l	94
20) Methylene Chloride	4.92	84	9645	3.600	ug/l	98
25) 2-Butanone	7.15	43	2265	2.228	ug/l #	81
29) Tetrahydrofuran	7.55	42	1146	1.972	ug/l #	59
31) Cyclohexane	7.95	56	5804	1.271	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	18983	5.176	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21837	6.956	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	66488	64.195	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66488	147.948	ug/l #	6
95) Naphthalene	15.37	128	332	2.148	ug/l #	86

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

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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: VW011754.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_W

ClientSampleId :

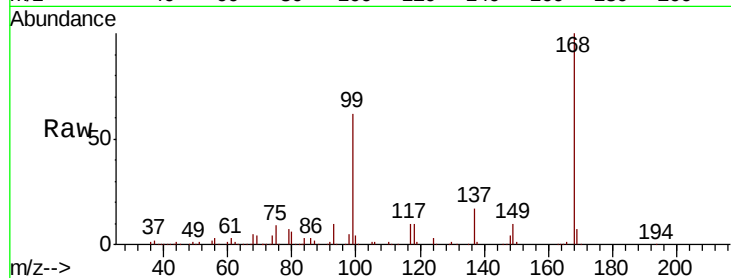
SB-01(7-9)

Tgt Ion:168 Resp: 212666

Ion Ratio Lower Upper

168 100

99 62.3 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

100000

80000

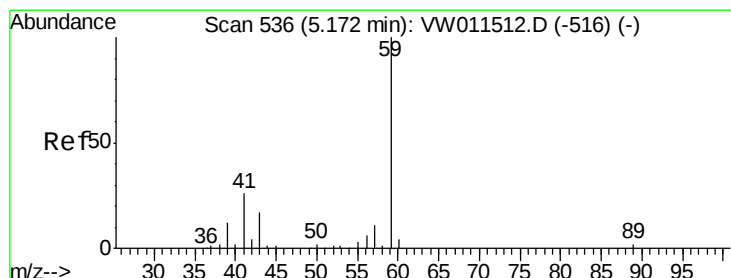
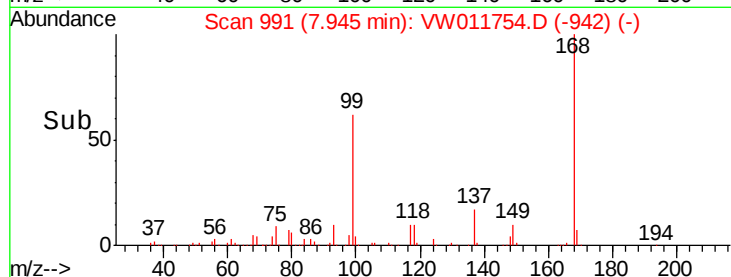
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.075 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011754.D

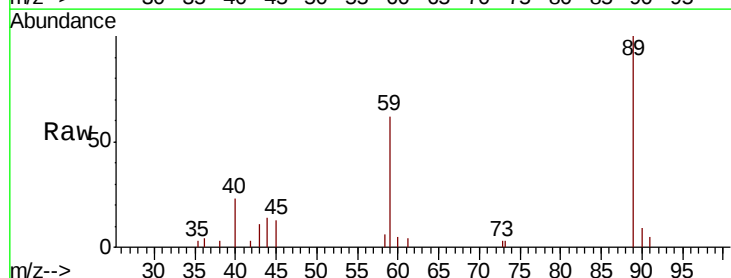
Acq: 07 Aug 2019 16:31

Tgt Ion: 59 Resp: 4565

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

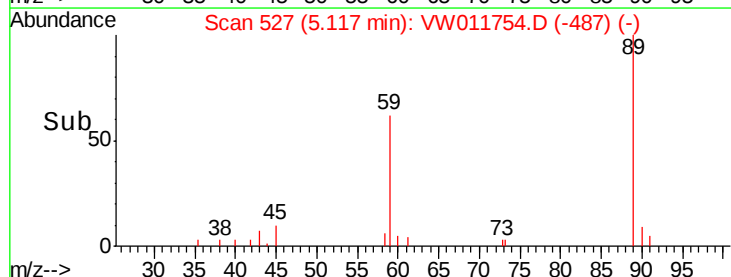
5.12

1000

500

0

Time-->





#16

Acetone

Concen: 7.301 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW011754.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_W

ClientSampleId :

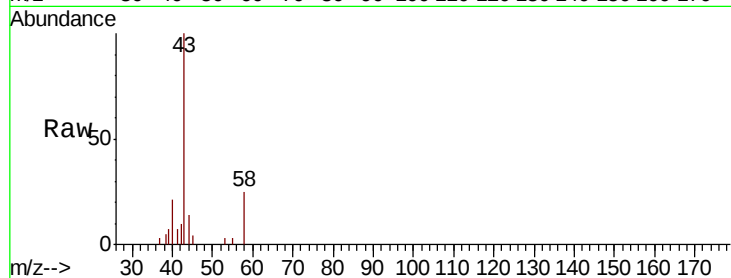
SB-01(7-9)

Tgt Ion: 43 Resp: 5671

Ion Ratio Lower Upper

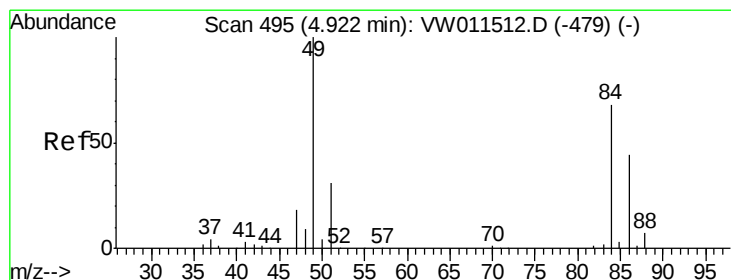
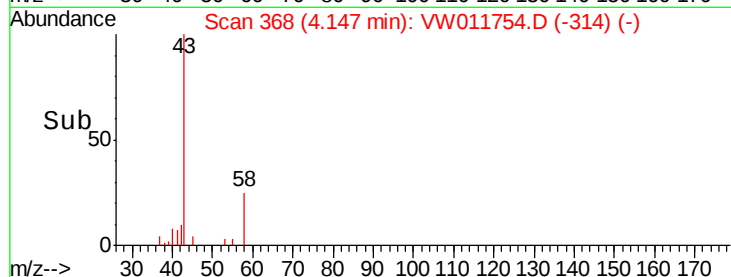
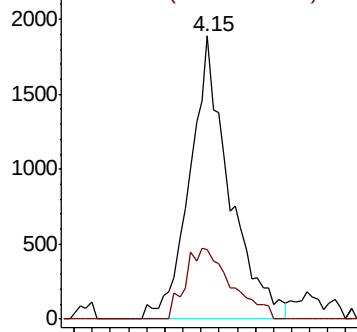
43 100

58 24.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 3.600 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011754.D

Acq: 07 Aug 2019 16:31

Tgt Ion: 84 Resp: 9645

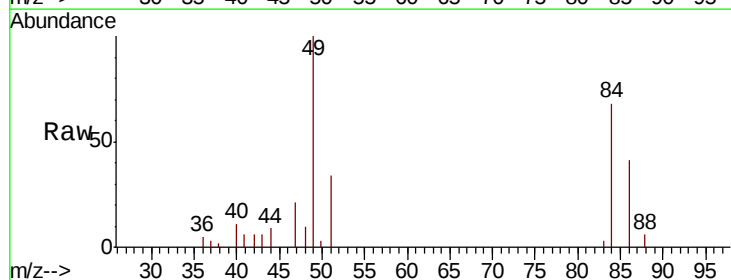
Ion Ratio Lower Upper

84 100

49 147.3 117.8 176.6

51 49.4 37.0 55.4

86 60.7 51.8 77.8

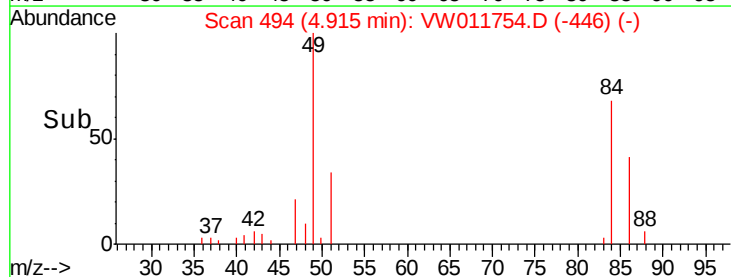
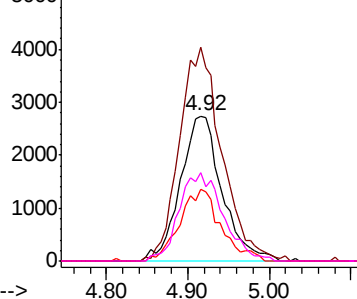


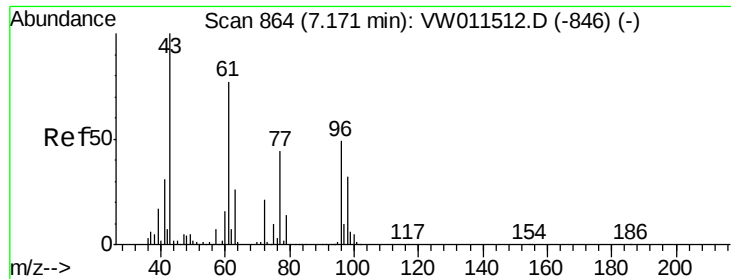
Abundance Ion 83.90 (83.60 to 84.60): VW

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

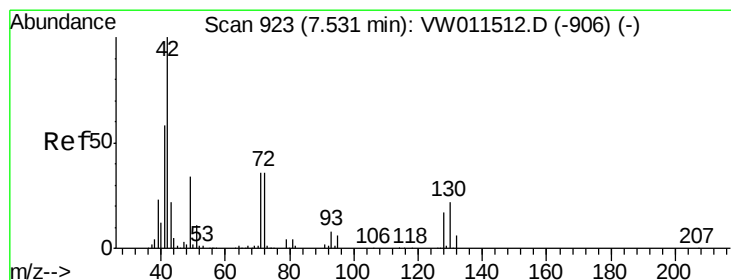
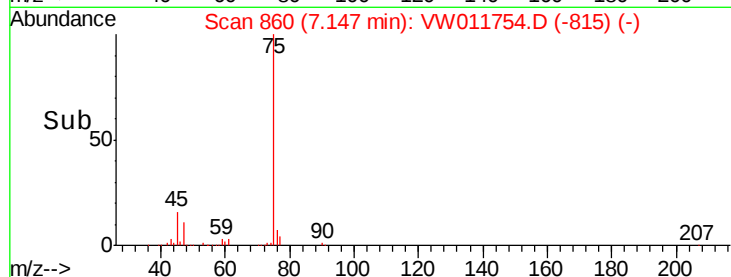
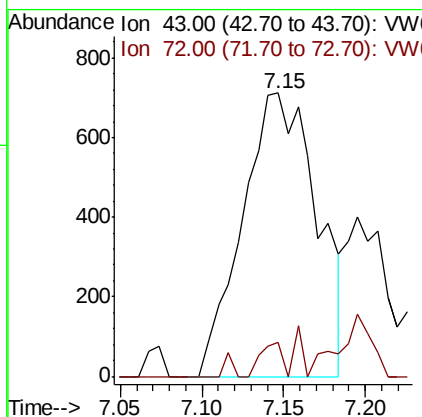
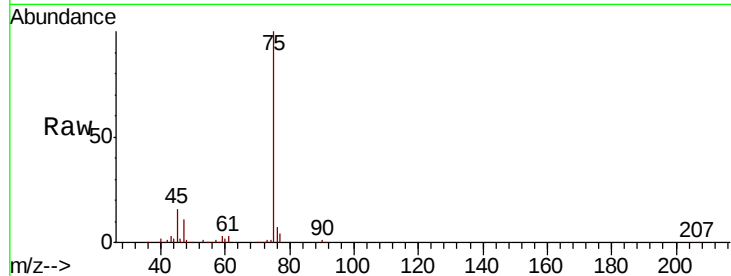




#25
2-Butanone
Concen: 2.228 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011754.D
Acq: 07 Aug 2019 16:31

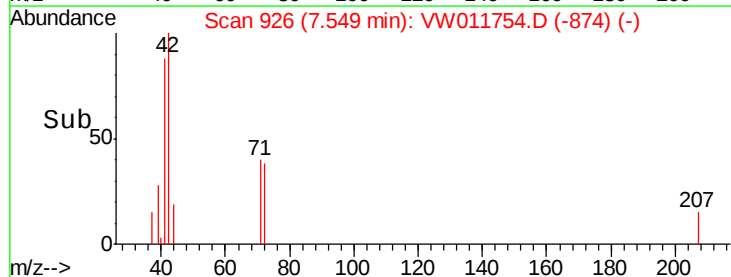
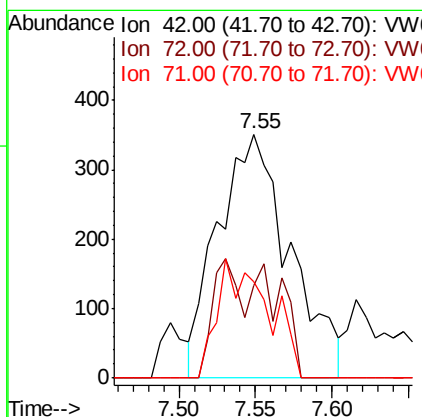
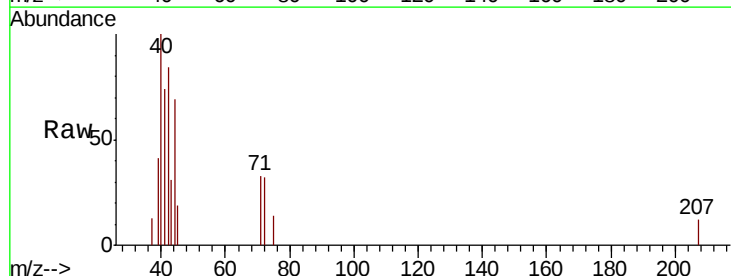
Instrument :
MSVOA_W
ClientSampleId :
SB-01(7-9)

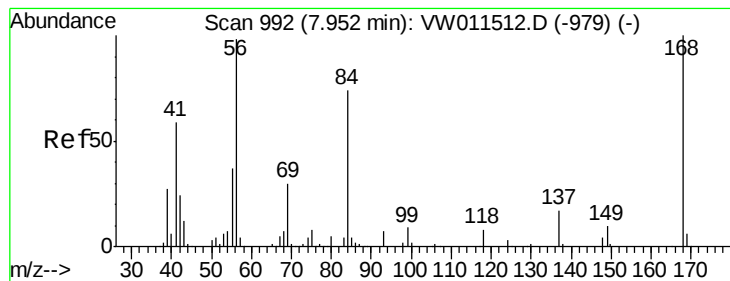
Tgt Ion: 43 Resp: 2265
Ion Ratio Lower Upper
43 100
72 11.8 16.6 24.8#



#29
Tetrahydrofuran
Concen: 1.972 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW011754.D
Acq: 07 Aug 2019 16:31

Tgt Ion: 42 Resp: 1146
Ion Ratio Lower Upper
42 100
72 20.2 27.1 40.7#
71 0.0 26.2 39.4#





#31

Cyclohexane

Concen: 1.271 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011754.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_W

ClientSampled :

SB-01(7-9)

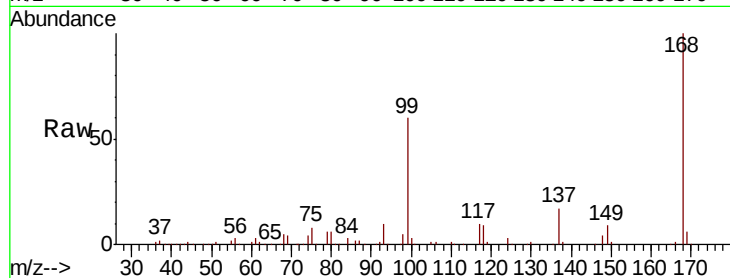
Tgt Ion: 56 Resp: 5804

Ion Ratio Lower Upper

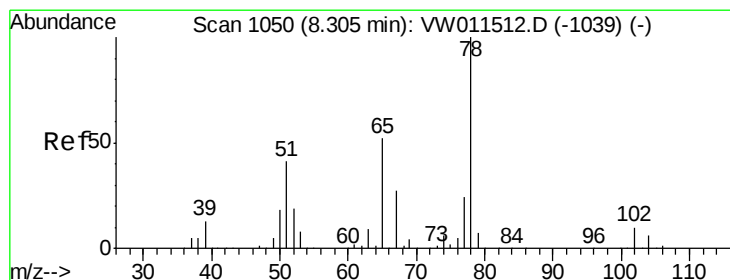
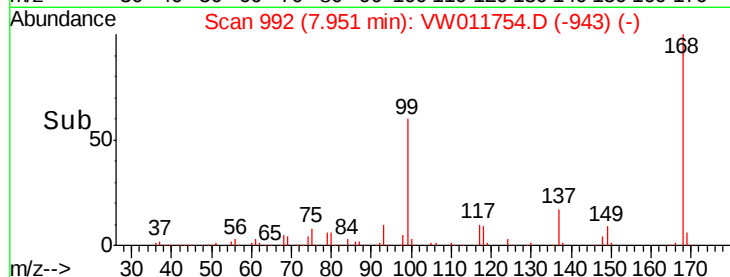
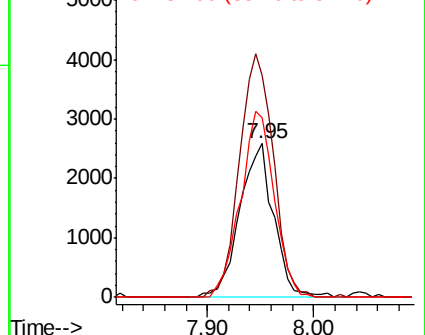
56 100

69 144.0 24.3 36.5#

84 116.5 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: 57.403 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011754.D

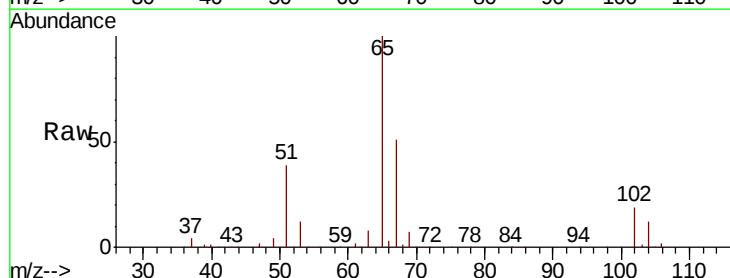
Acq: 07 Aug 2019 16:31

Tgt Ion: 65 Resp: 140178

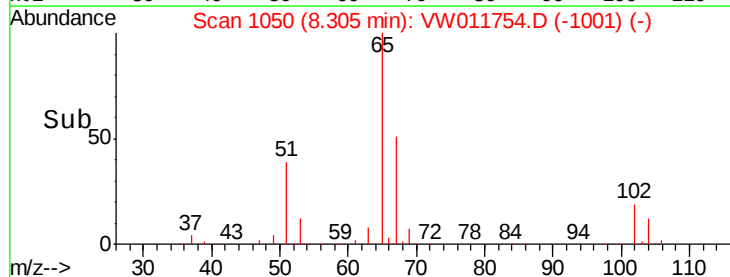
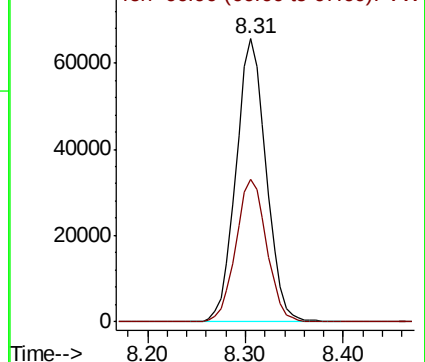
Ion Ratio Lower Upper

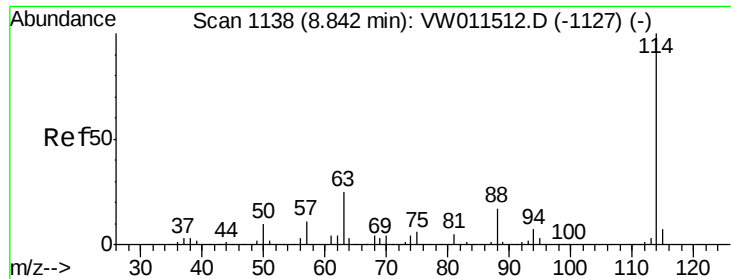
65 100

67 51.7 0.0 105.2



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

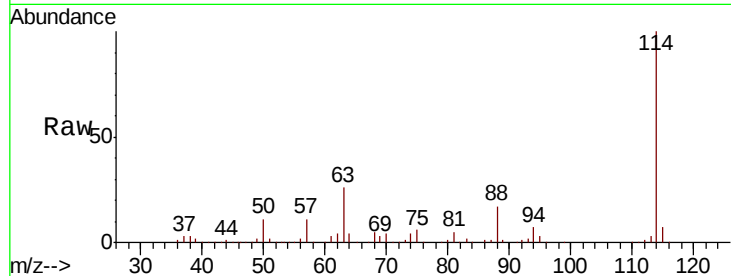




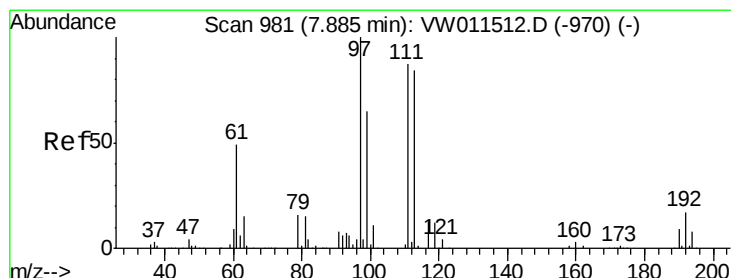
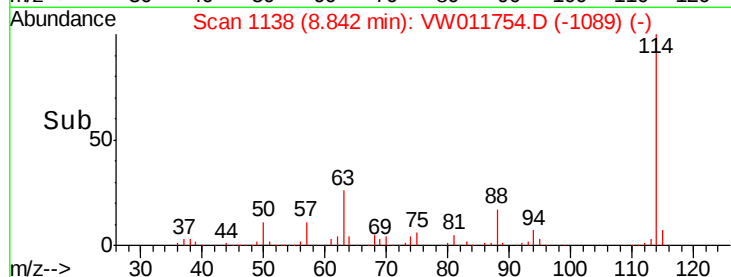
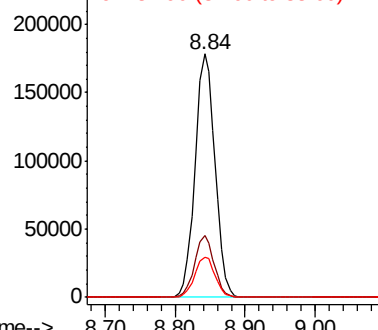
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW011754.D
Acq: 07 Aug 2019 16:31

Instrument :
MSVOA_W
ClientSampleId :
SB-01(7-9)

Tgt Ion:114 Resp: 352692
Ion Ratio Lower Upper
114 100
63 25.6 0.0 49.2
88 16.7 0.0 33.8

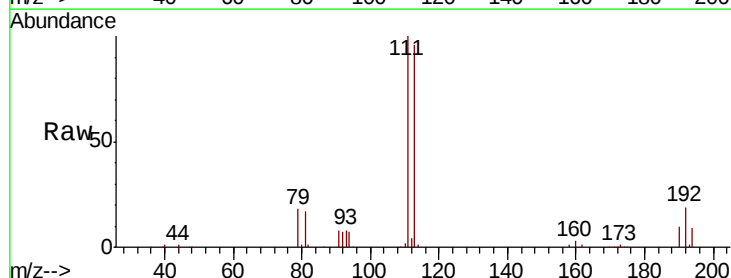


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

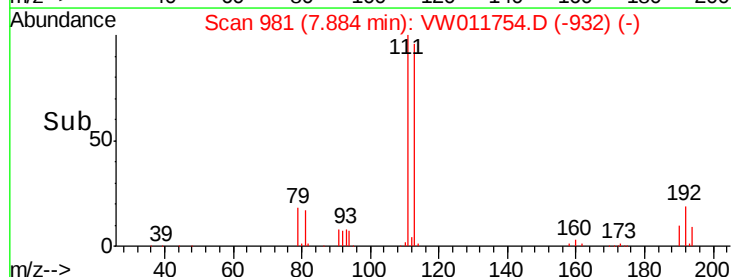
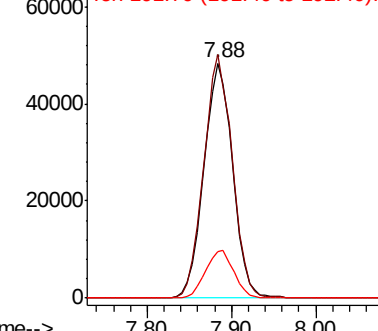


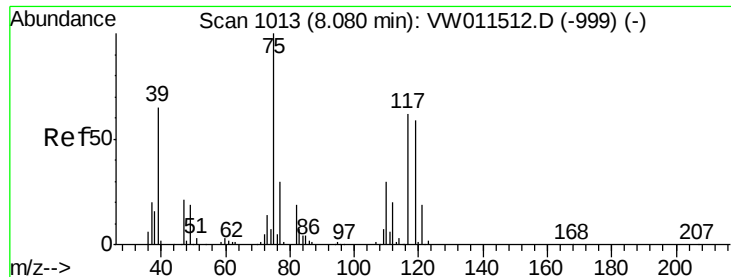
#35
Dibromofluoromethane
Concen: 56.155 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW011754.D
Acq: 07 Aug 2019 16:31

Tgt Ion:113 Resp: 111112
Ion Ratio Lower Upper
113 100
111 103.1 82.7 124.1
192 19.9 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

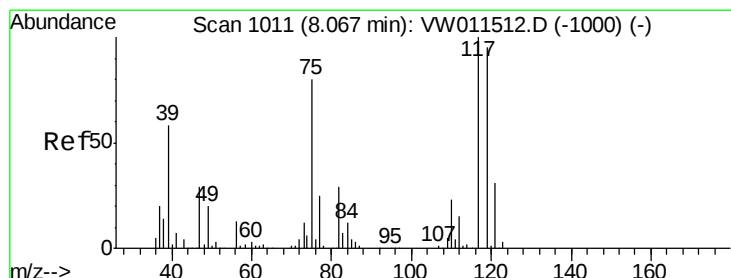
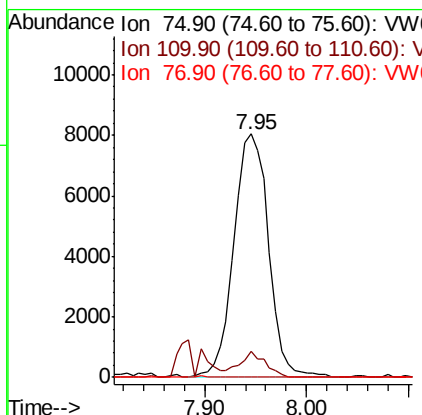
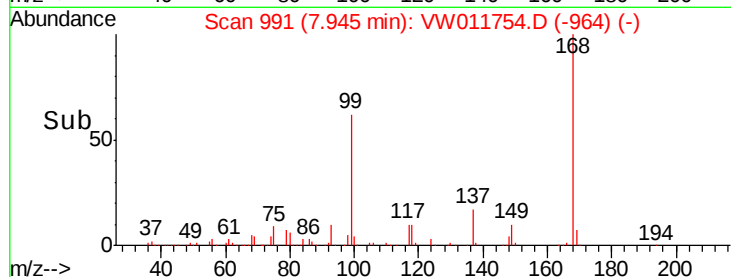
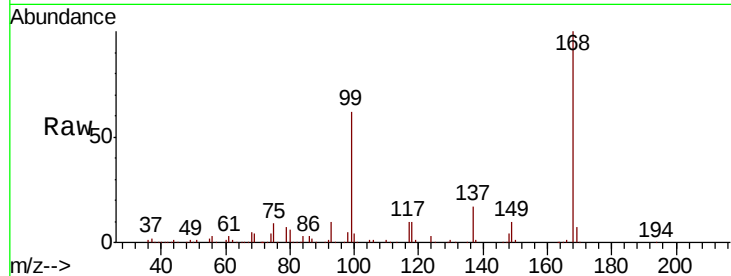




#36
 1,1-Dichloropropene
 Concen: 5.176 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011754.D
 Acq: 07 Aug 2019 16:31

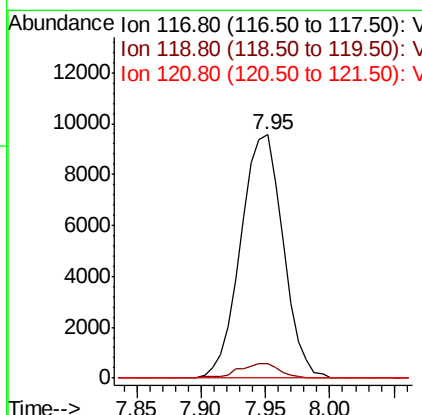
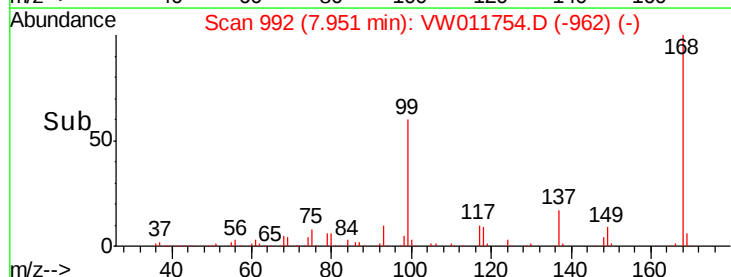
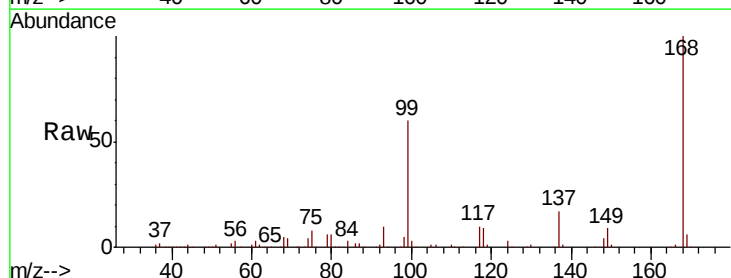
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-01(7-9)

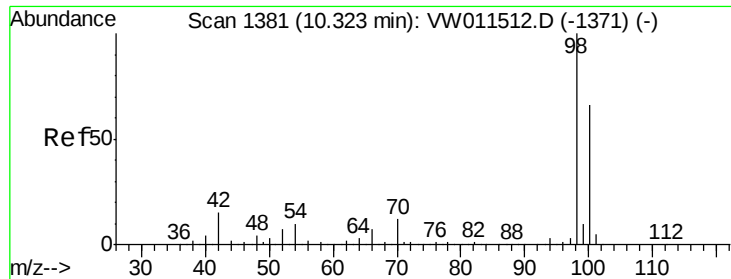
Tgt Ion: 75 Resp: 18983
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.956 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW011754.D
 Acq: 07 Aug 2019 16:31

Tgt Ion: 117 Resp: 21837
 Ion Ratio Lower Upper
 117 100
 119 5.7 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 53.452 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011754.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_W

ClientSampleId :

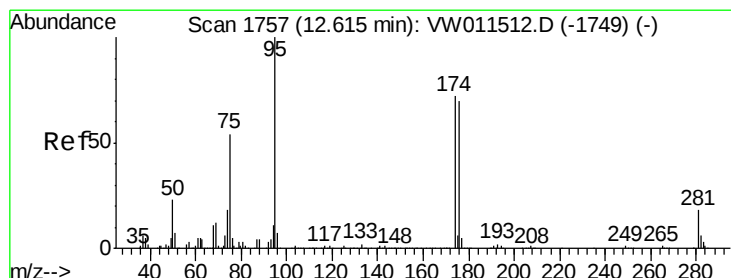
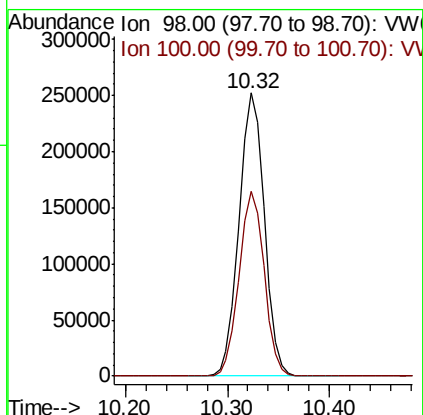
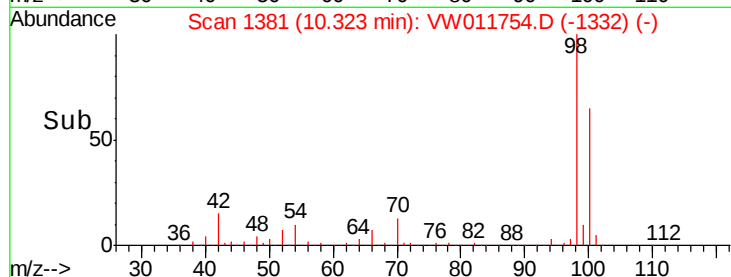
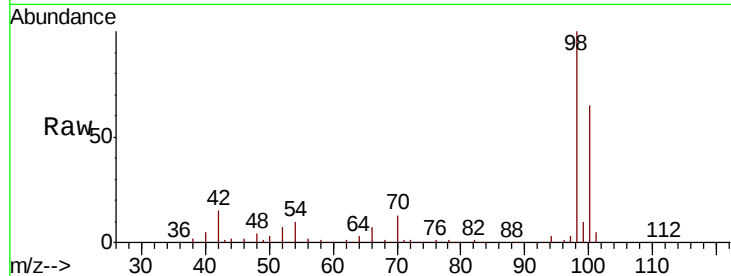
SB-01(7-9)

Tgt Ion: 98 Resp: 433024

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 42.974 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011754.D

Acq: 07 Aug 2019 16:31

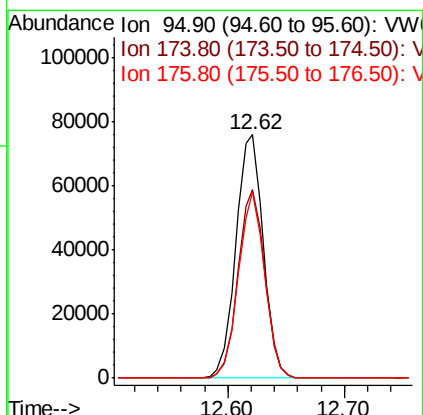
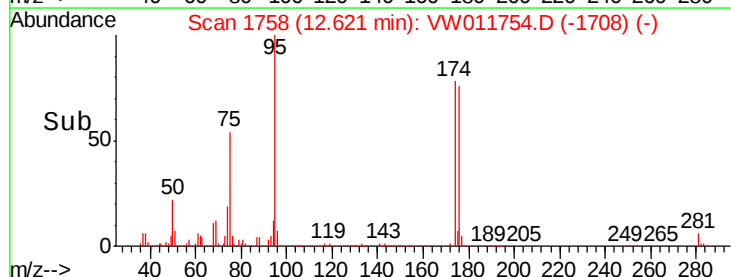
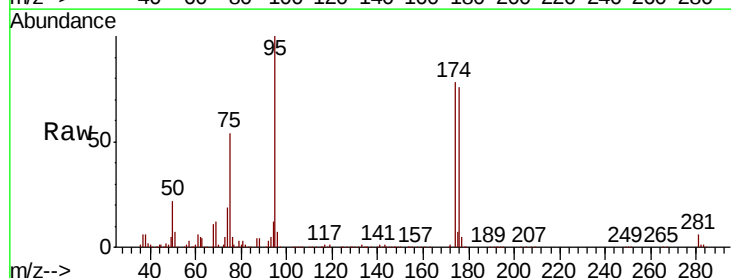
Tgt Ion: 95 Resp: 124121

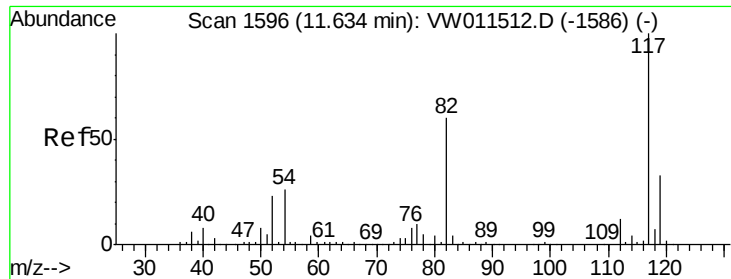
Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.2

176 73.5 0.0 144.4

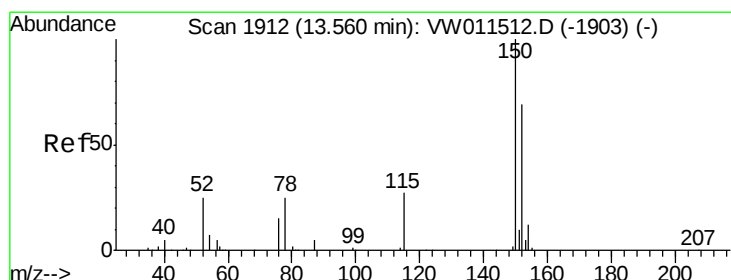
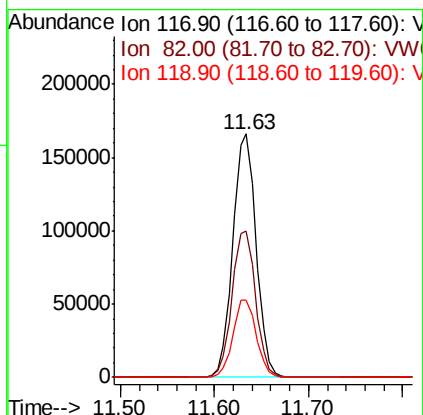
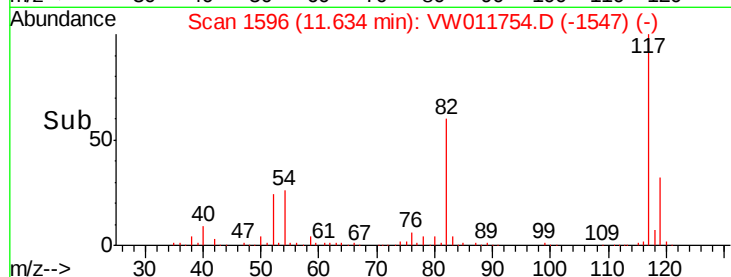
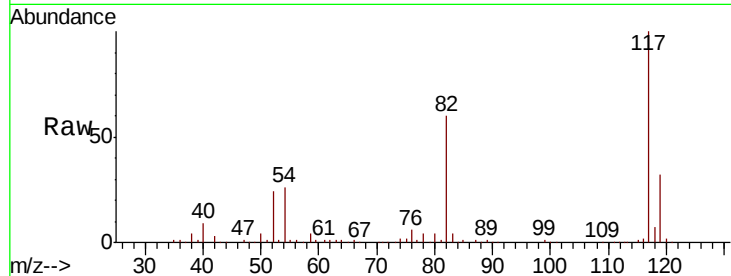




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011754.D
Acq: 07 Aug 2019 16:31

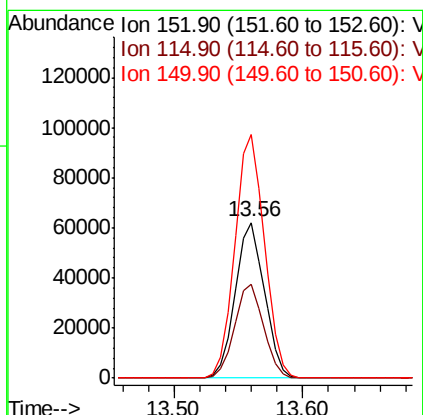
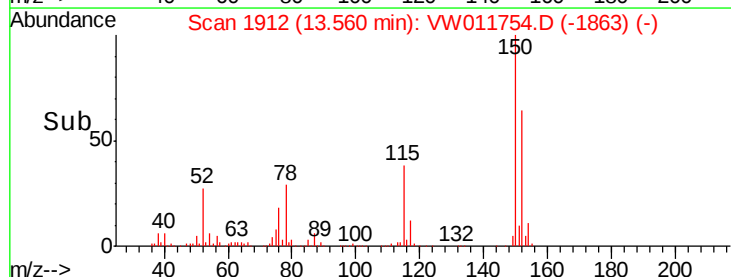
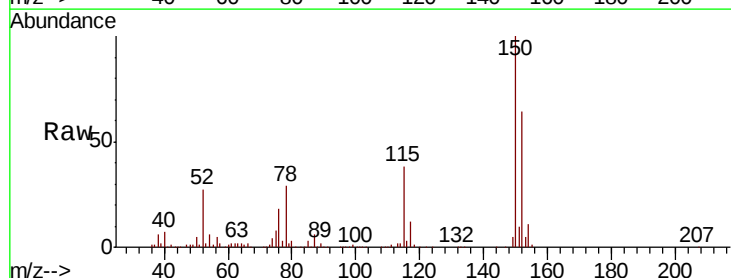
Instrument :
MSVOA_W
ClientSampleId :
SB-01(7-9)

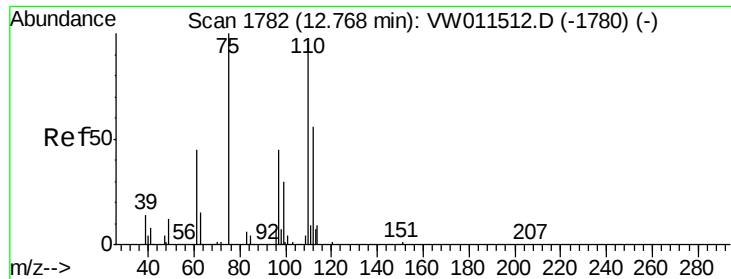
Tgt Ion:117 Resp: 283763
Ion Ratio Lower Upper
117 100
82 60.1 47.9 71.9
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011754.D
Acq: 07 Aug 2019 16:31

Tgt Ion:152 Resp: 97883
Ion Ratio Lower Upper
152 100
115 60.1 30.5 91.5
150 158.1 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 64.195 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011754.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_W

ClientSampleId :

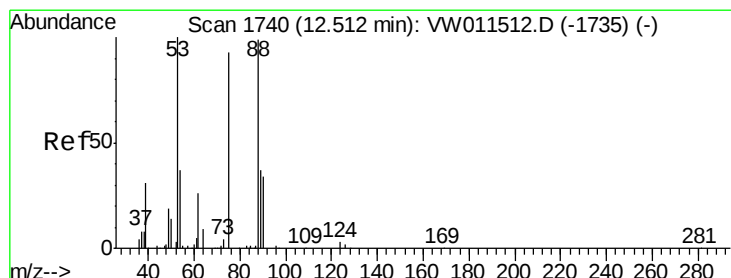
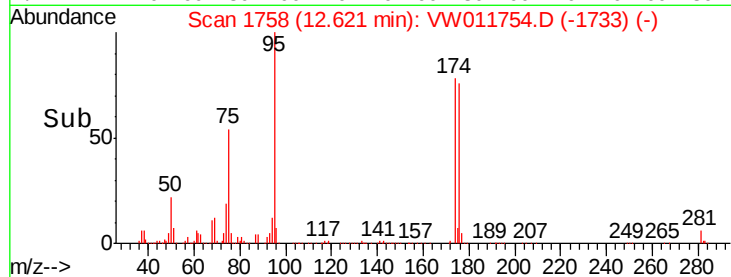
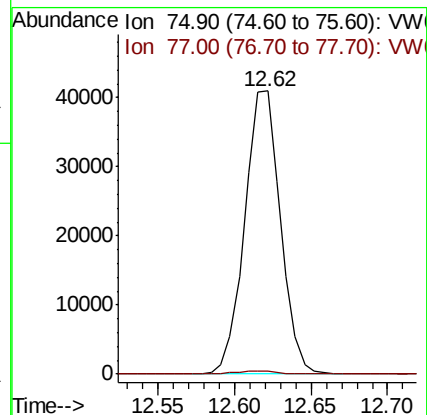
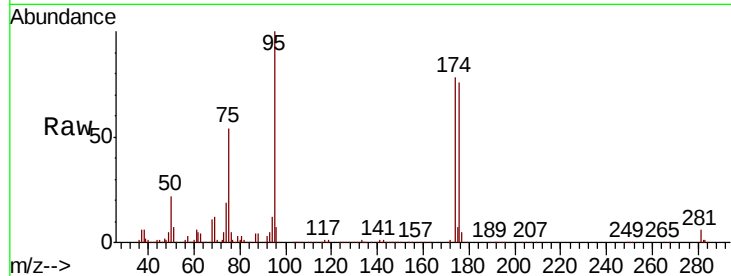
SB-01(7-9)

Tgt Ion: 75 Resp: 66488

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.948 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011754.D

Acq: 07 Aug 2019 16:31

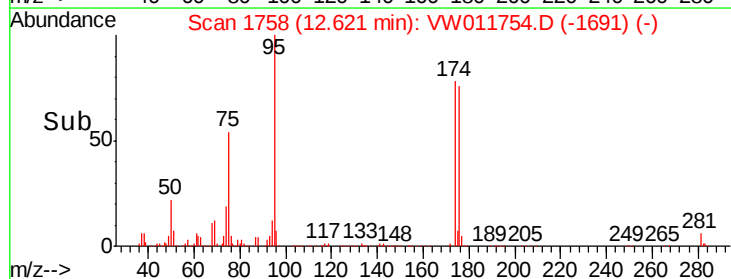
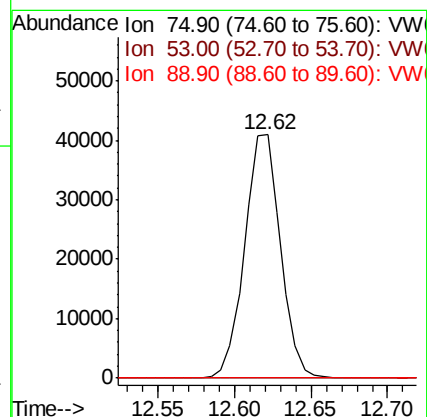
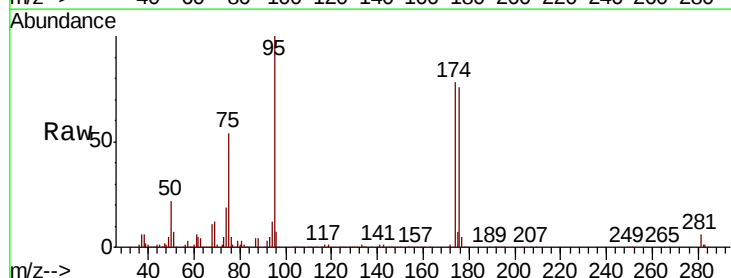
Tgt Ion: 75 Resp: 66488

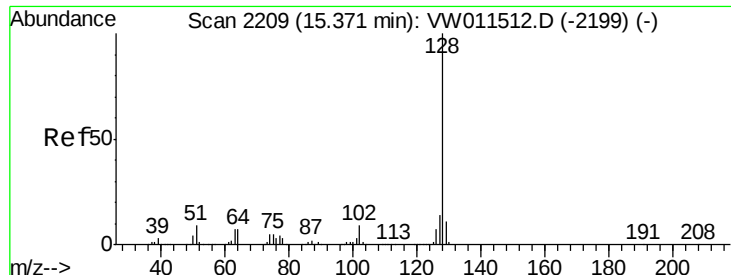
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.0 35.3 52.9#

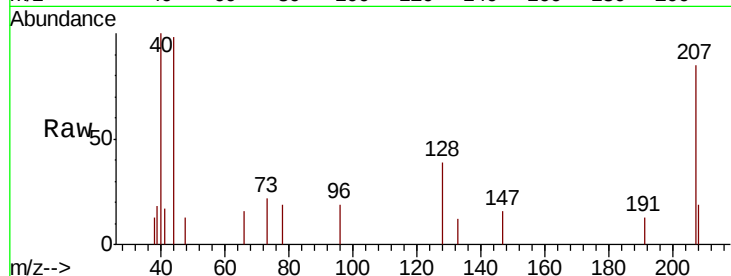




#95
 Naphthalene
 Concen: 2.148 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW011754.D
 Acq: 07 Aug 2019 16:31

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-01(7-9)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.5	10.6	16.0#
129	5.7	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

