

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011359.D
 Acq On : 19 Jul 2019 03:52
 Operator : SY/VA
 Sample : K3835-08
 Misc : 6.32G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4(7-9)

Quant Time: Jul 19 06:50:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	156666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	288407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114218	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	99049	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
35) Dibromofluoromethane	7.88	113	73805	42.93	ug/l	0.00
Spiked Amount			Recovery	=	85.86%	
50) Toluene-d8	10.32	98	289715	41.69	ug/l	0.00
Spiked Amount			Recovery	=	83.38%	
62) 4-Bromofluorobenzene	12.62	95	100335	39.39	ug/l	0.00
Spiked Amount			Recovery	=	78.78%	

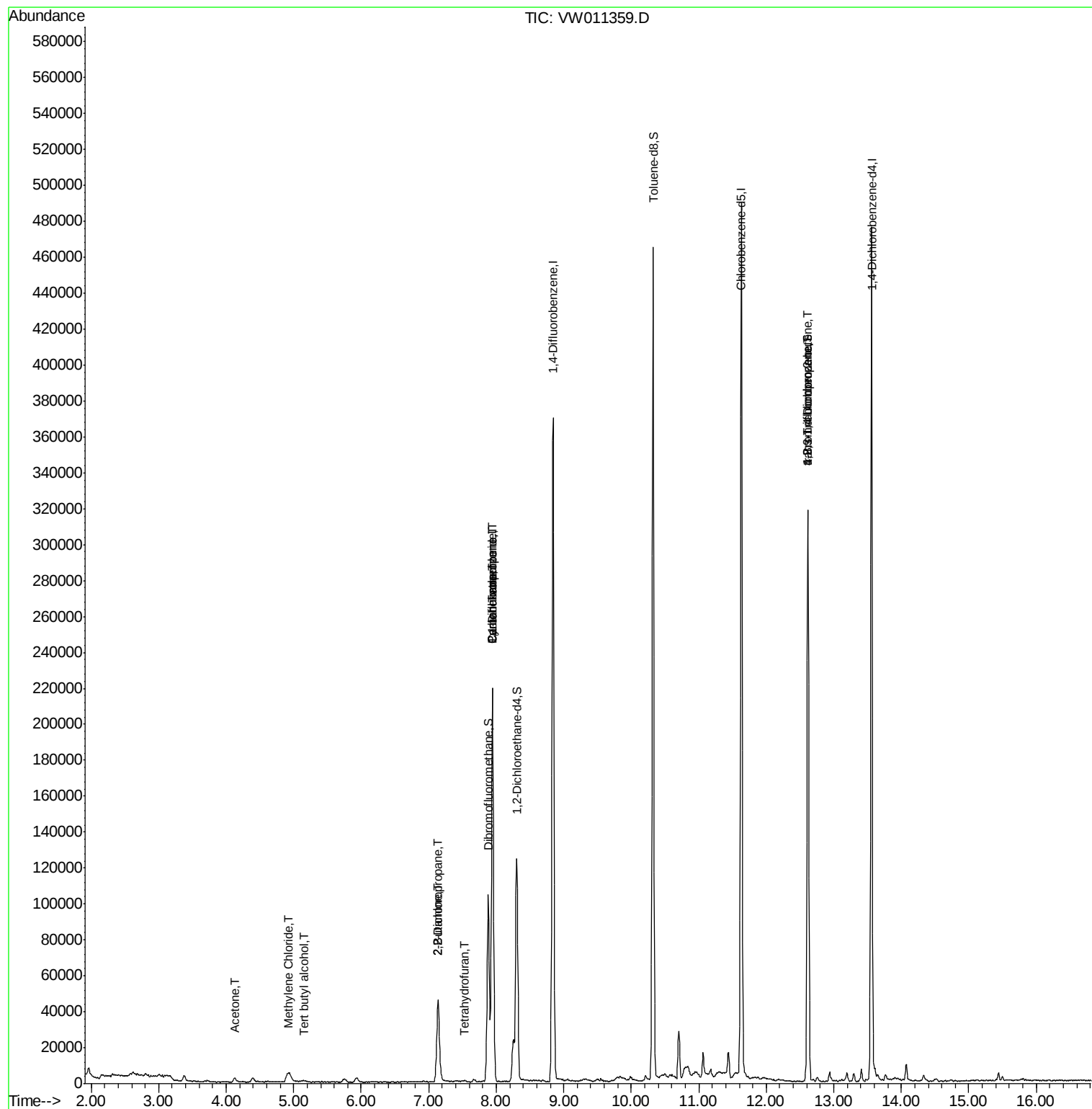
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	1620	11.115	ug/l #	74
16) Acetone	4.12	43	4826	10.189	ug/l	99
18) Methyl Acetate	4.67	43	320	Below Cal	#	57
20) Methylene Chloride	4.92	84	4001	2.141	ug/l #	77
25) 2-Butanone	7.13	43	2787	3.748	ug/l #	85
26) 2,2-Dichloropropane	7.13	77	3218	1.727	ug/l #	53
29) Tetrahydrofuran	7.54	42	750	1.538	ug/l #	55
31) Cyclohexane	7.95	56	3939	1.033	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	14351	4.673	ug/l #	50
38) Carbon Tetrachloride	7.95	117	16014	6.151	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	54033	40.936	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54033	92.590	ug/l #	6

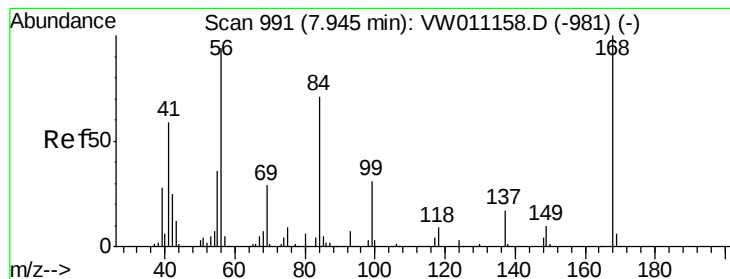
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011359.D

Acq: 19 Jul 2019 03:52

Instrument :

MSVOA_W

ClientSampleId :

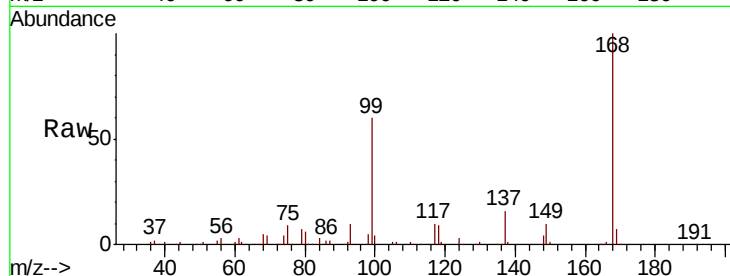
SB-4(7-9)

Tot Ion:168 Resp: 156666

Ion Ratio Lower Upper

168 100

99 60.2 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

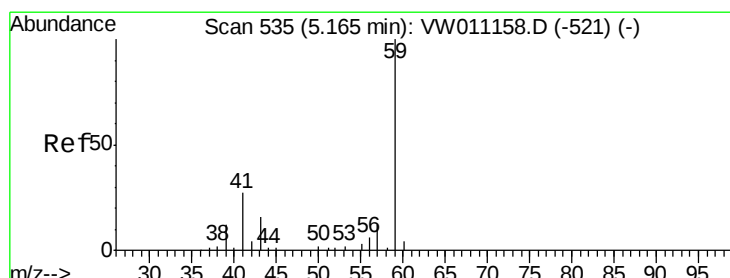
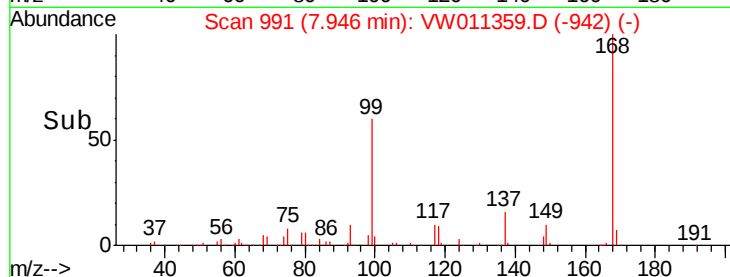
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 11.115 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW011359.D

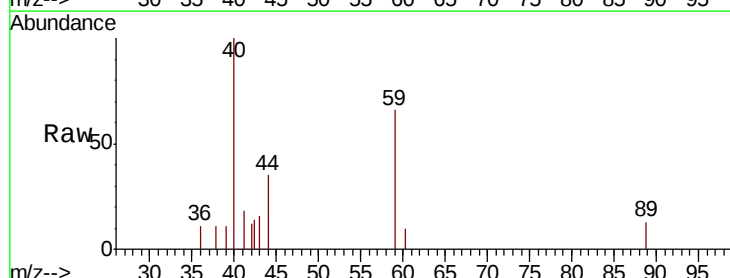
Acq: 19 Jul 2019 03:52

Tgt Ion: 59 Resp: 1620

Ion Ratio Lower Upper

59 100

57 1.2 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

400

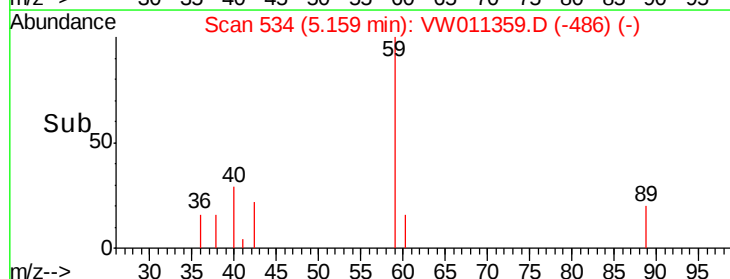
300

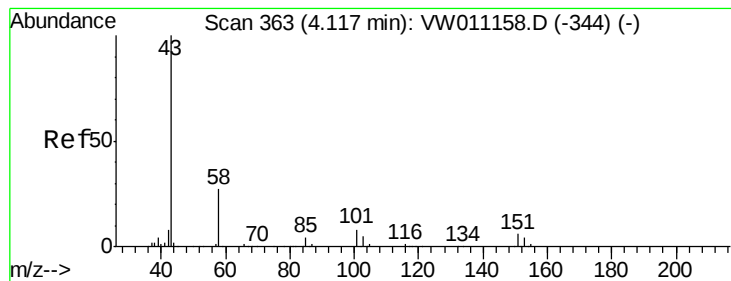
200

100

0

Time-->





#16

Acetone

Concen: 10.189 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011359.D

Acq: 19 Jul 2019 03:52

Instrument :

MSVOA_W

ClientSampleId :

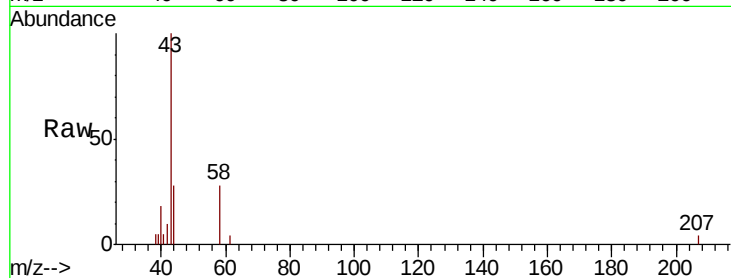
SB-4(7-9)

Tot Ion: 43 Resp: 4826

Ion Ratio Lower Upper

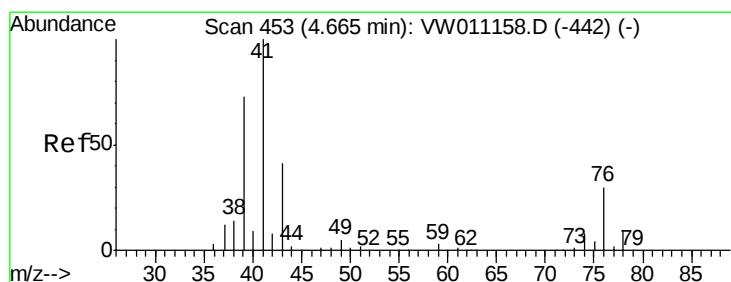
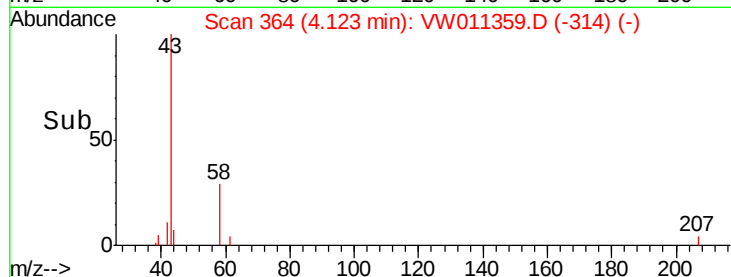
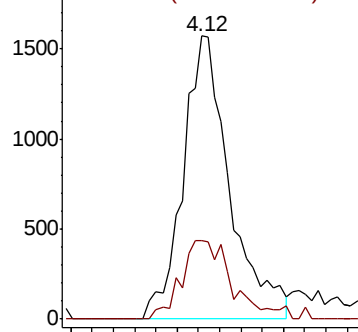
43 100

58 27.6 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011359.D

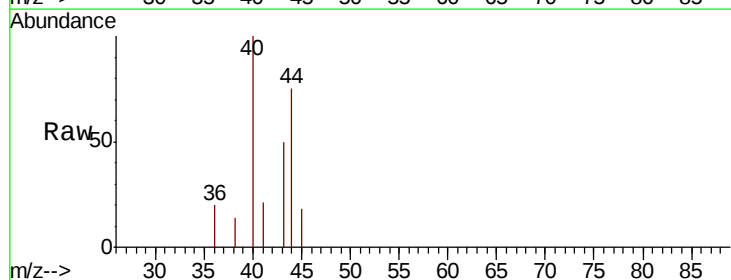
Acq: 19 Jul 2019 03:52

Tgt Ion: 43 Resp: 320

Ion Ratio Lower Upper

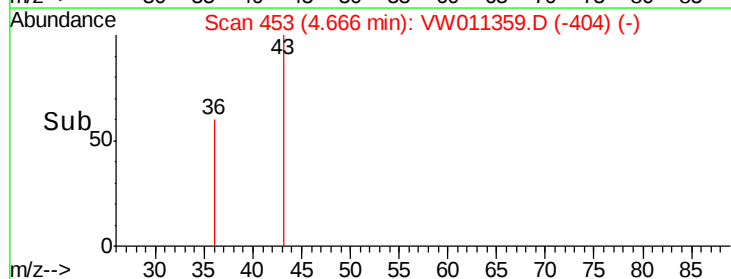
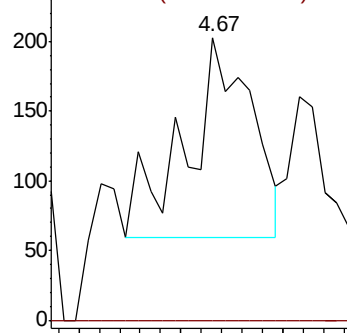
43 100

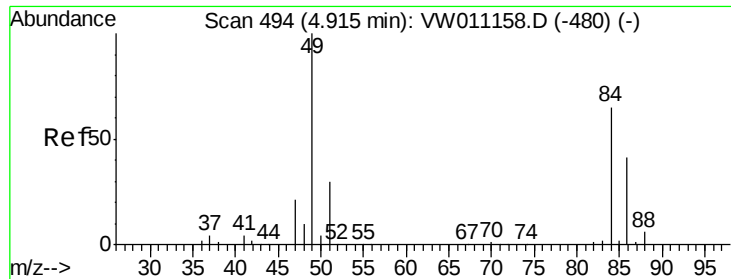
74 0.0 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

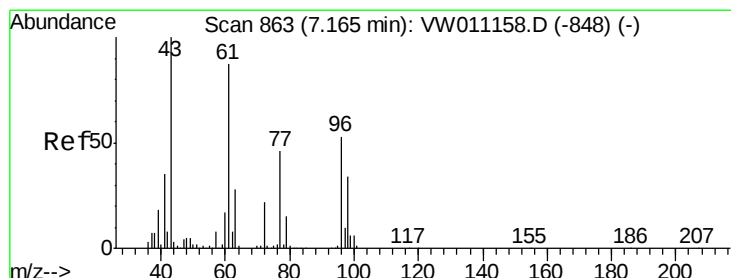
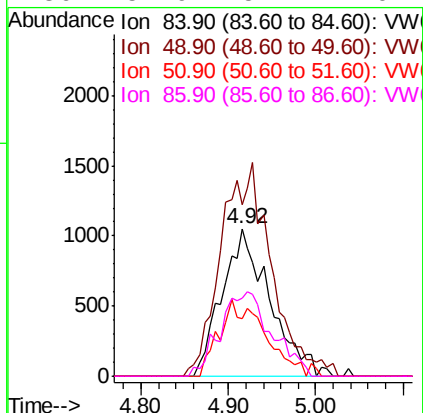
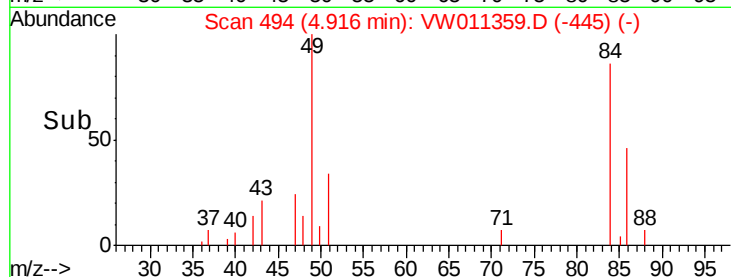
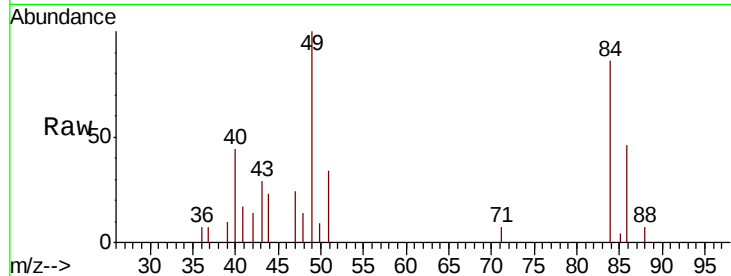




#20
Methvlene Chloride
Concen: 2.141 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011359.D
Acq: 19 Jul 2019 03:52

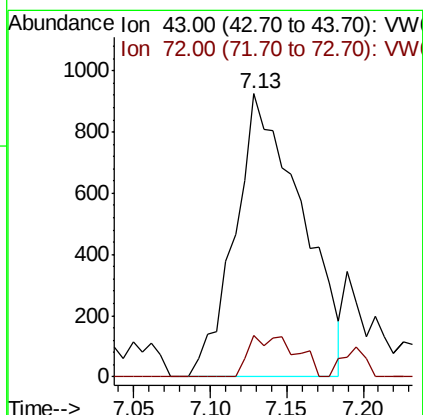
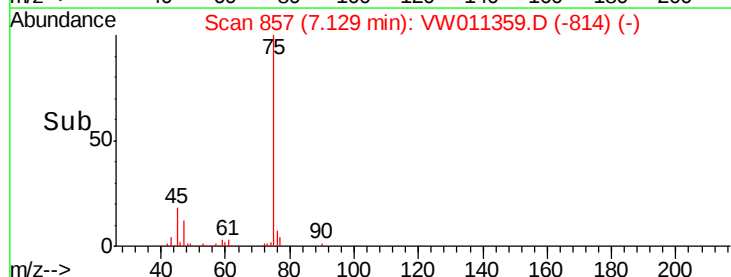
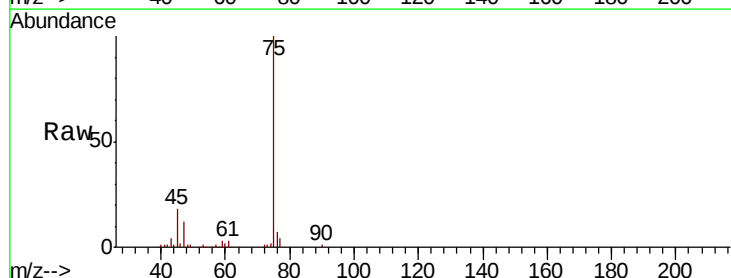
Instrument :
MSVOA_W
ClientSampleId :
SB-4(7-9)

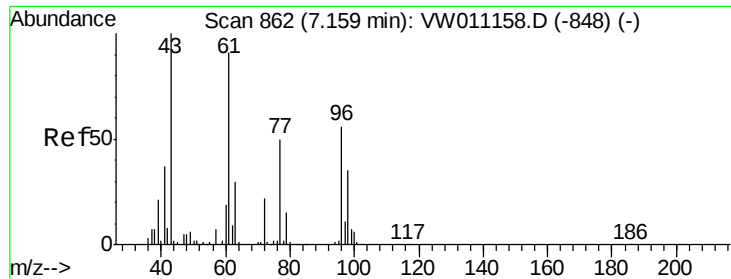
Tot Ion: 84 Resp: 4001
Ion Ratio Lower Upper
84 100
49 116.2 123.8 185.6#
51 39.3 37.4 56.2
86 52.9 51.1 76.7



#25
2-Butanone
Concen: 3.748 ug/l
RT: 7.13 min Scan# 857
Delta R.T. -0.04 min
Lab File: VW011359.D
Acq: 19 Jul 2019 03:52

Tgt Ion: 43 Resp: 2787
Ion Ratio Lower Upper
43 100
72 14.8 17.6 26.4#





#26

2,2-Dichloropropane

Concen: 1.727 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW011359.D

Acq: 19 Jul 2019 03:52

Instrument :

MSVOA_W

ClientSampleId :

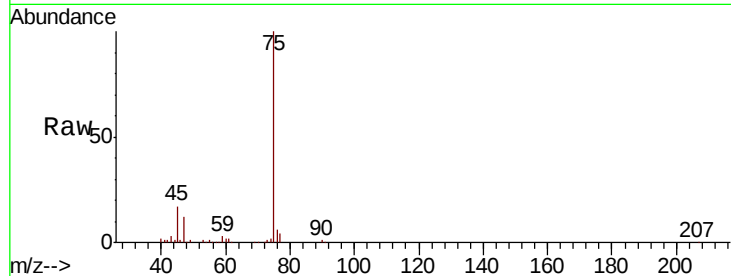
SB-4(7-9)

Tot Ion: 77 Resp: 3218

Ion Ratio Lower Upper

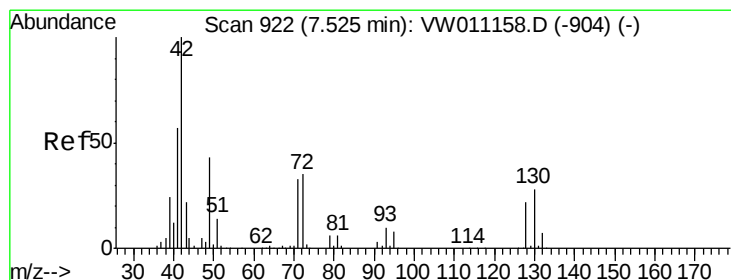
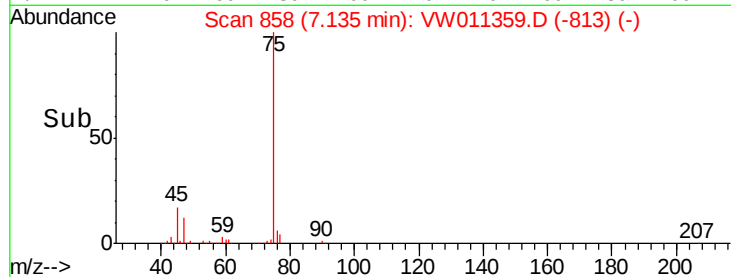
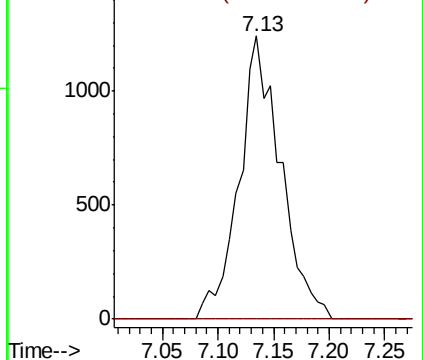
77 100

97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 1.538 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011359.D

Acq: 19 Jul 2019 03:52

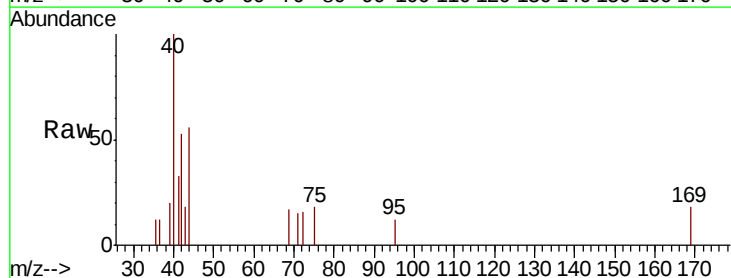
Tgt Ion: 42 Resp: 750

Ion Ratio Lower Upper

42 100

72 11.6 27.4 41.2#

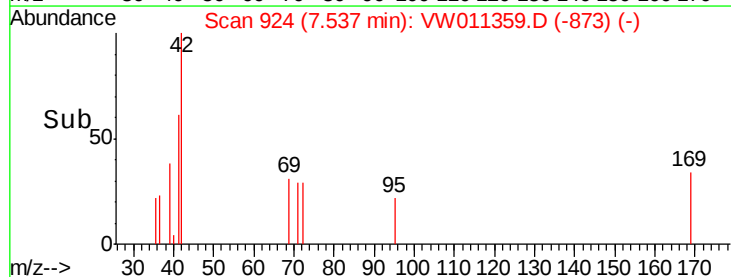
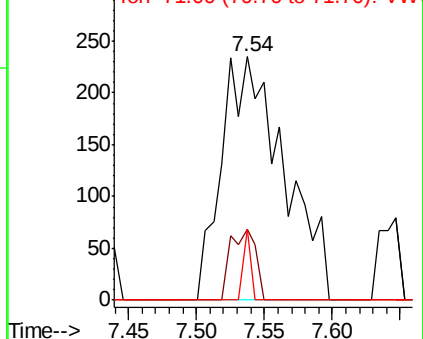
71 3.3 25.9 38.9#

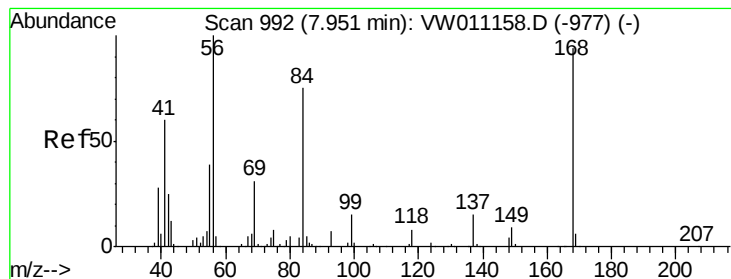


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.033 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011359.D

Acq: 19 Jul 2019 03:52

Instrument :

MSVOA_W

ClientSampleId :

SB-4(7-9)

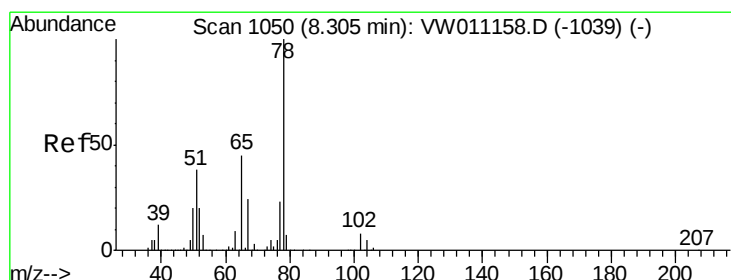
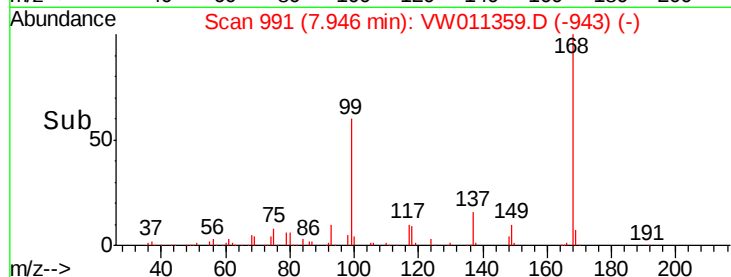
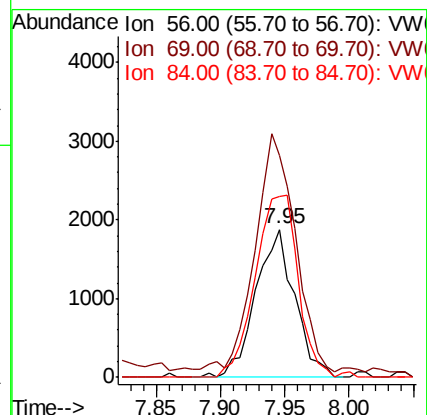
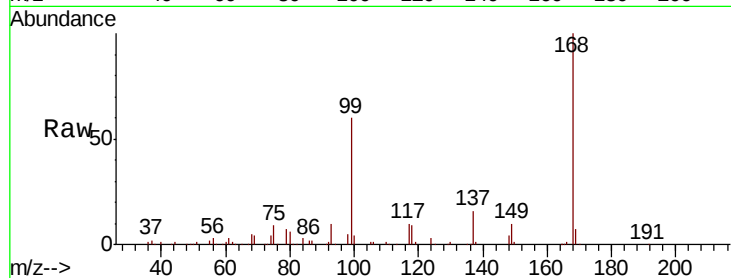
Tot Ion: 56 Resp: 3939

Ion Ratio Lower Upper

56 100

69 145.0 24.6 36.8#

84 122.6 60.1 90.1#



#33

1,2-Dichloroethane-d4

Concen: 50.315 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011359.D

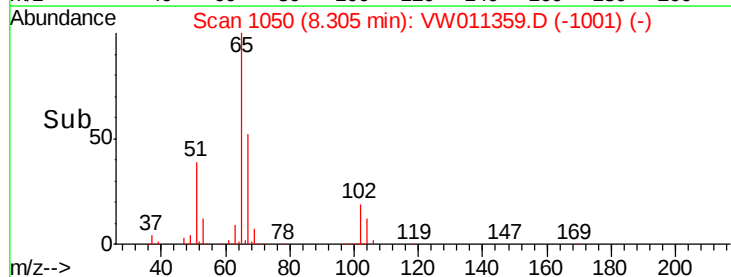
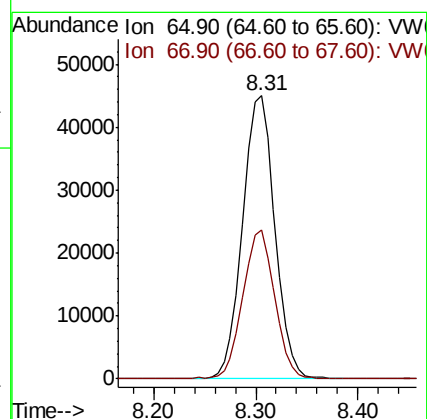
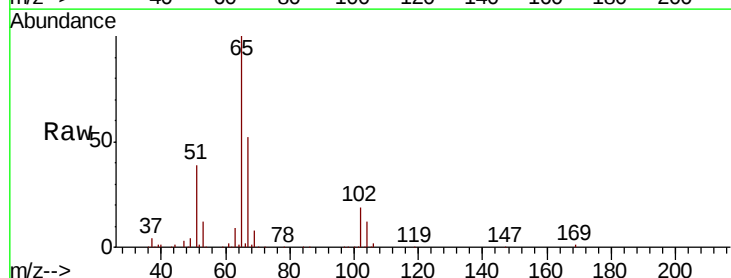
Acq: 19 Jul 2019 03:52

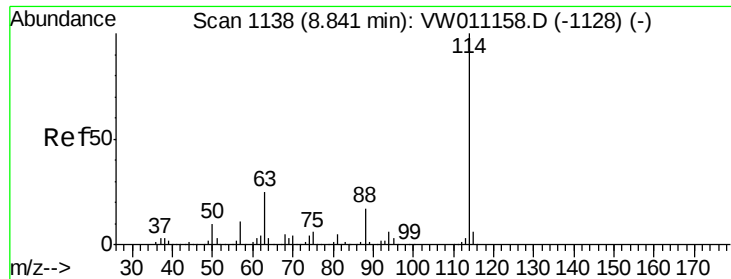
Tgt Ion: 65 Resp: 99049

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011359.D

Acq: 19 Jul 2019 03:52

Instrument :

MSVOA_W

ClientSampleId :

SB-4(7-9)

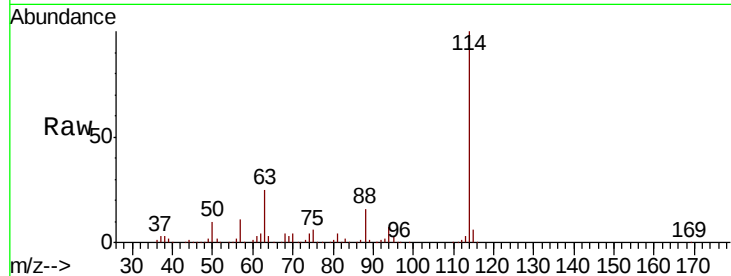
Tot Ion:114 Resp: 288407

Ion Ratio Lower Upper

114 100

63 24.7 0.0 50.8

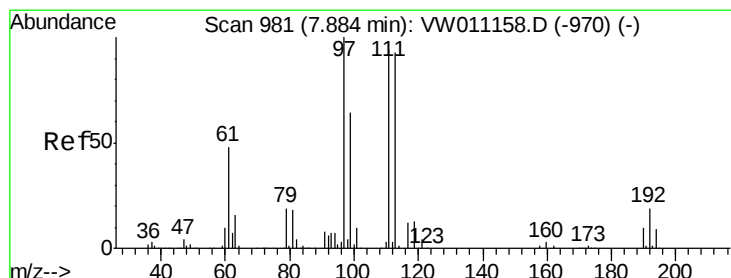
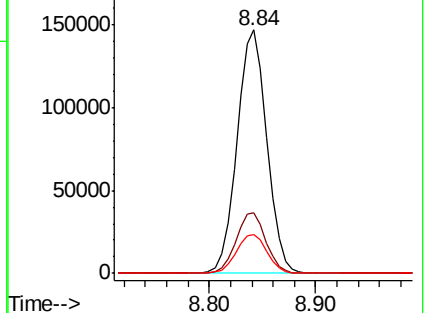
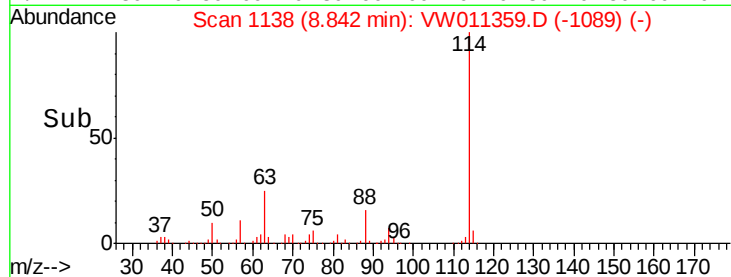
88 16.1 0.0 34.2



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: 42.934 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011359.D

Acq: 19 Jul 2019 03:52

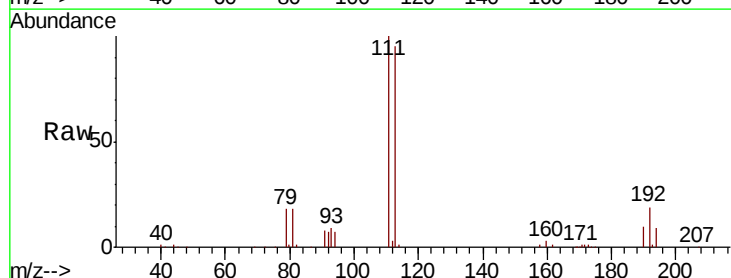
Tgt Ion:113 Resp: 73805

Ion Ratio Lower Upper

113 100

111 105.1 82.4 123.6

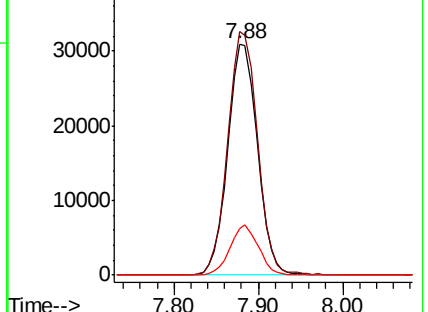
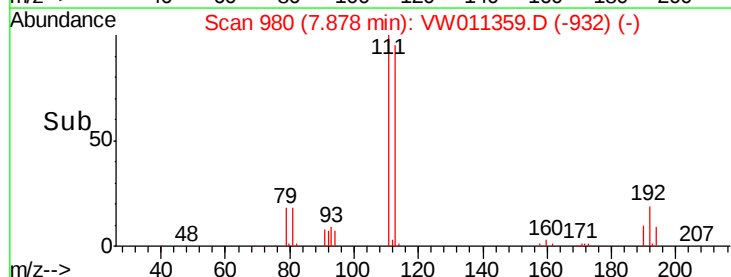
192 20.5 15.8 23.8

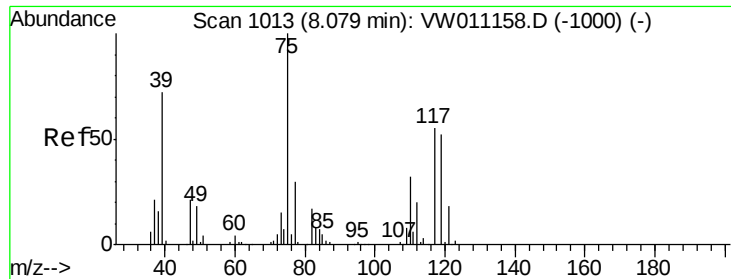


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

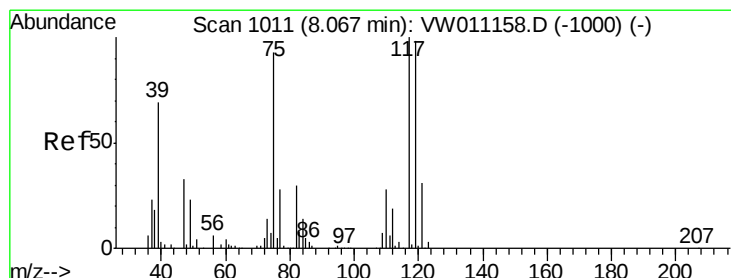
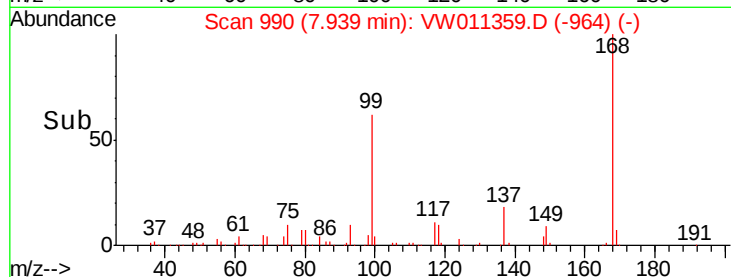
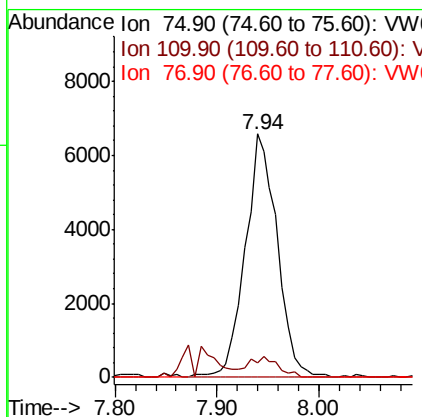
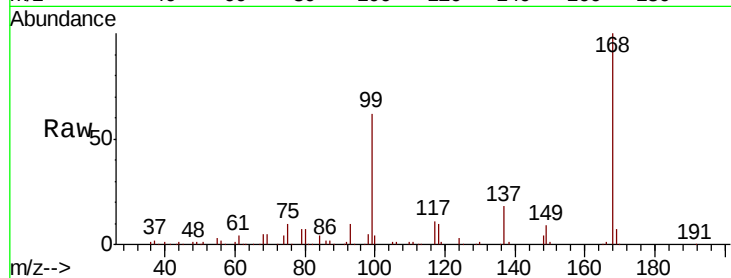




#36
 1,1-Dichloropropene
 Concen: 4.673 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011359.D
 Acq: 19 Jul 2019 03:52

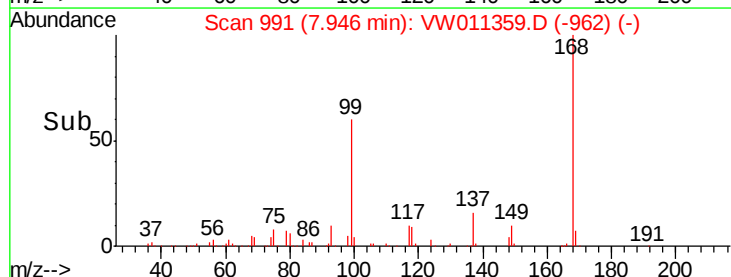
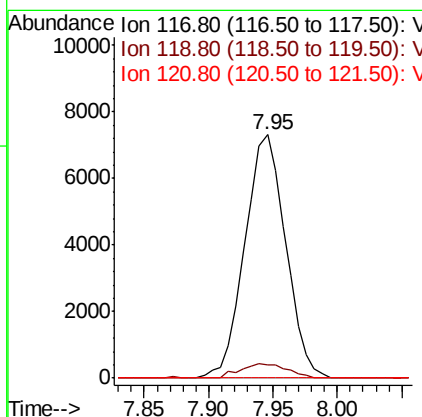
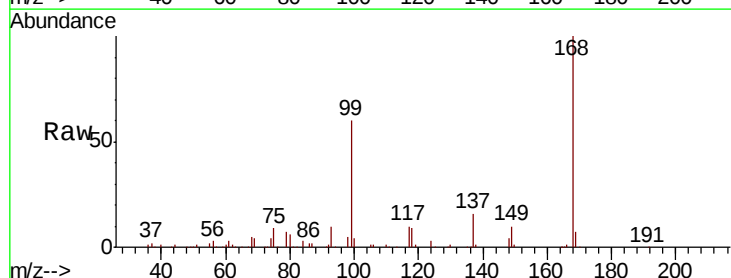
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4(7-9)

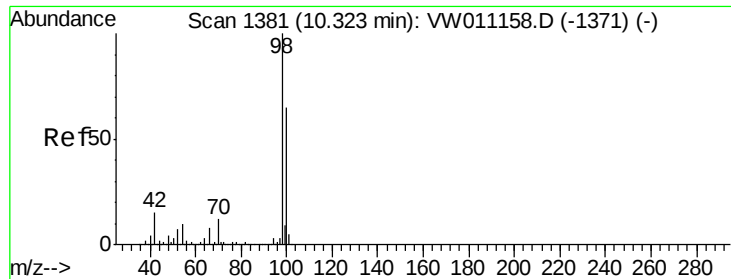
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	15.9	47.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.151 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011359.D
 Acq: 19 Jul 2019 03:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.1	117.1#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 41.694 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011359.D

Acq: 19 Jul 2019 03:52

Instrument :

MSVOA_W

ClientSampleId :

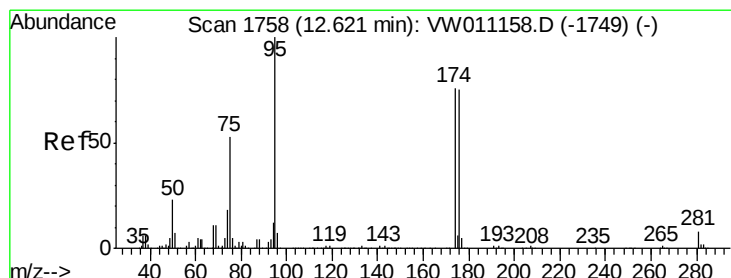
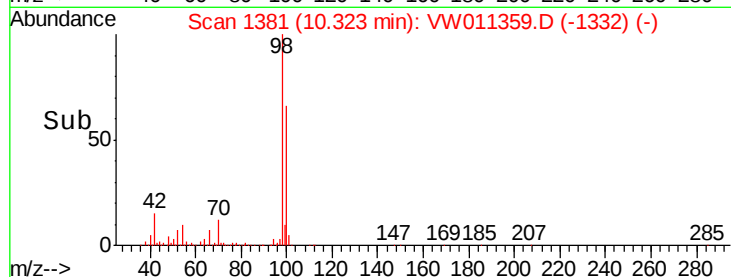
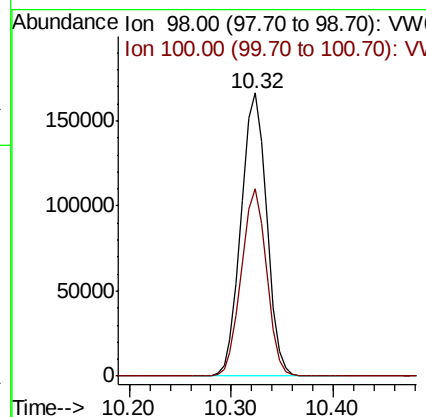
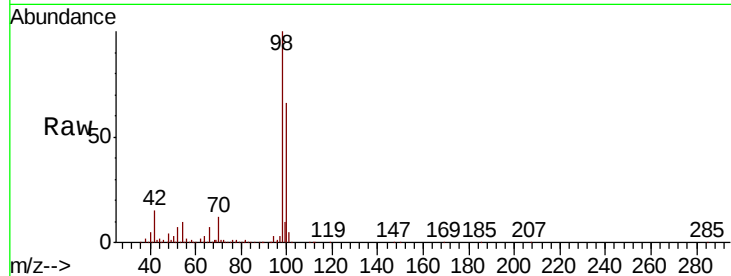
SB-4(7-9)

Tot Ion: 98 Resp: 289715

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 39.395 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011359.D

Acq: 19 Jul 2019 03:52

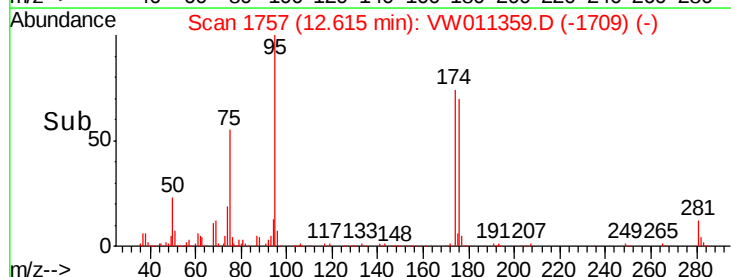
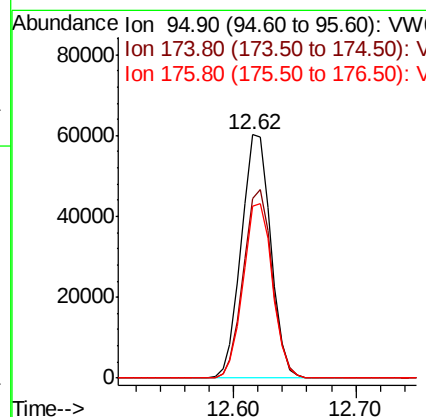
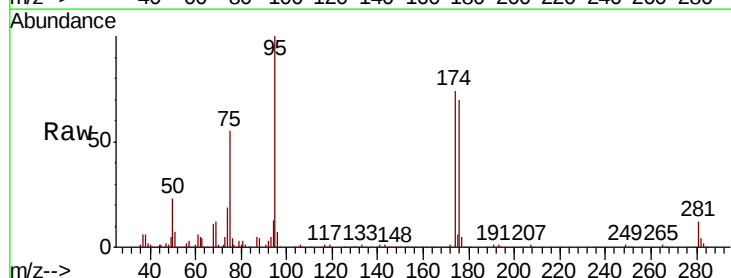
Tgt Ion: 95 Resp: 100335

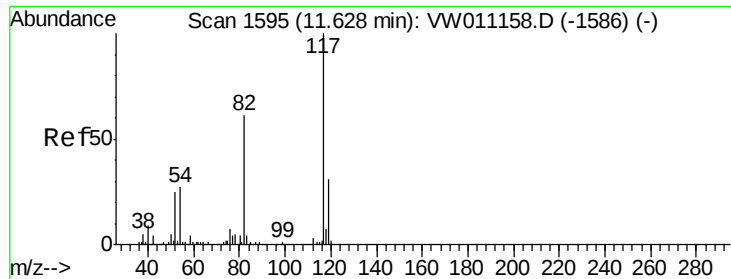
Ion Ratio Lower Upper

95 100

174 76.3 0.0 147.6

176 71.8 0.0 144.6

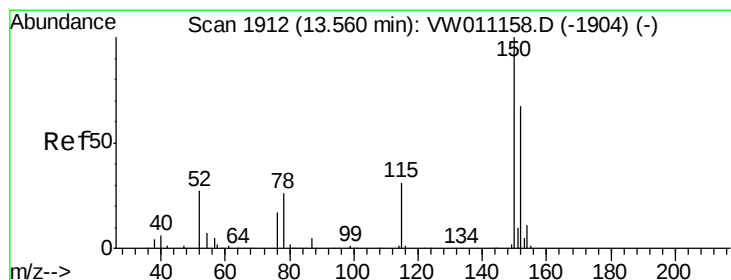
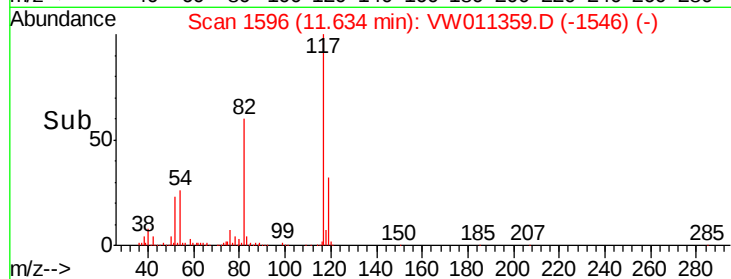
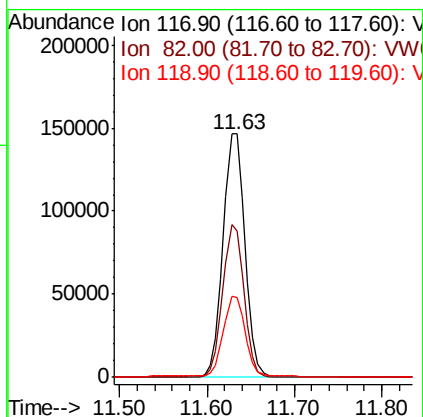
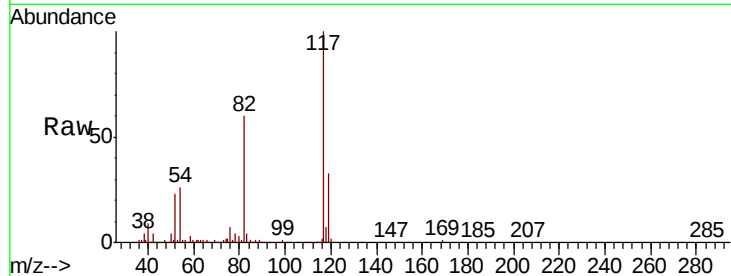




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011359.D
Acq: 19 Jul 2019 03:52

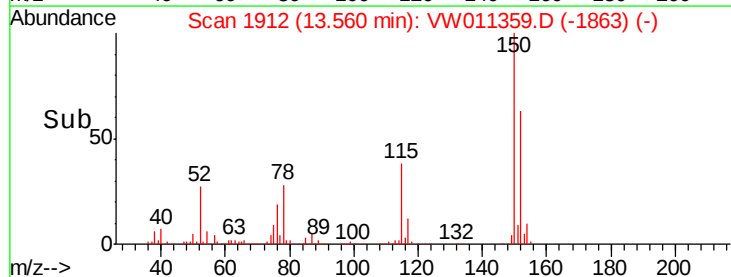
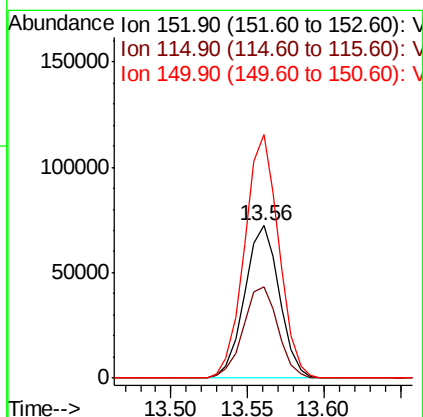
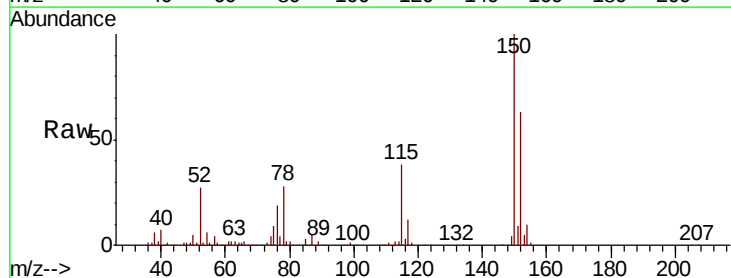
Instrument :
MSVOA_W
ClientSampleId :
SB-4(7-9)

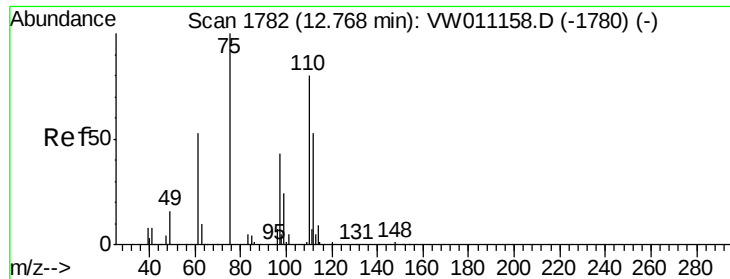
Tot Ion:117 Resp: 254201
Ion Ratio Lower Upper
117 100
82 60.1 48.9 73.3
119 32.7 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011359.D
Acq: 19 Jul 2019 03:52

Tgt Ion:152 Resp: 114218
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.3
150 157.3 0.0 346.0





#76

1,2,3-Trichloropropane

Concen: 40.936 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011359.D

Acq: 19 Jul 2019 03:52

Instrument :

MSVOA_W

ClientSampleId :

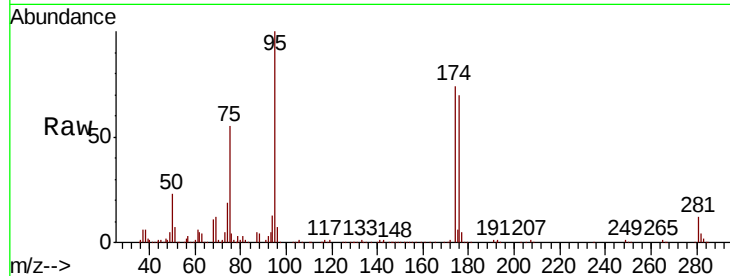
SB-4(7-9)

Tot Ion: 75 Resp: 54033

Ion Ratio Lower Upper

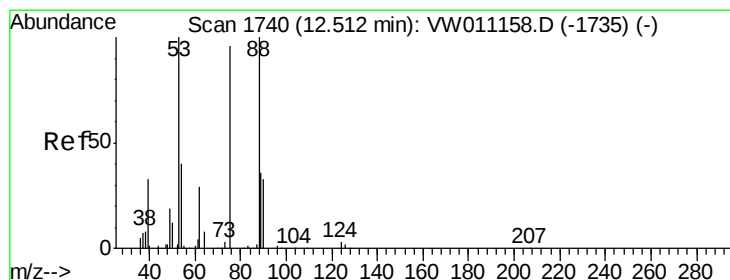
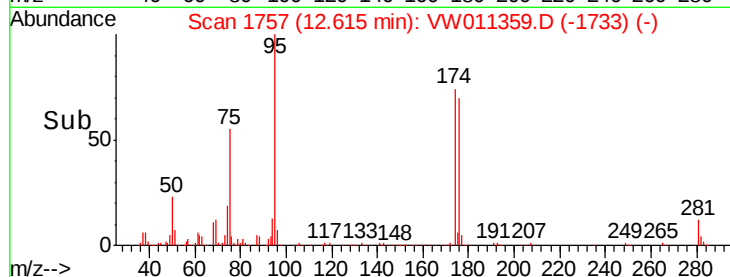
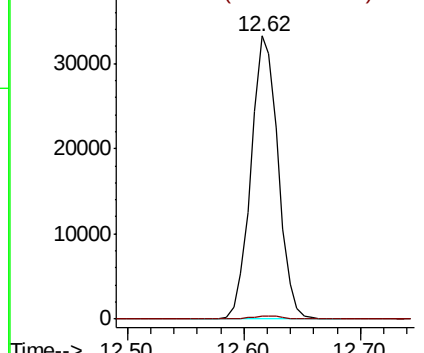
75 100

77 1.4 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: 92.590 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011359.D

Acq: 19 Jul 2019 03:52

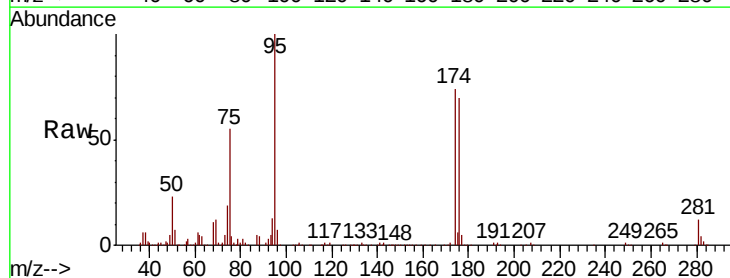
Tgt Ion: 75 Resp: 54033

Ion Ratio Lower Upper

75 100

53 0.3 89.8 134.6#

89 0.1 34.3 51.5#



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

