

Data File : VW012118.D
Acq On : 22 Aug 2019 18:26
Operator : SY/VA
Sample : K4461-17
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-09-5.5-6.0

Quant Time: Aug 23 08:02:04 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	13389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	20243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	14538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	2620	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	7707	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.89	113	6565	57.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.62%	
50) Toluene-d8	10.32	98	23695	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.62	95	4820	29.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.16%	

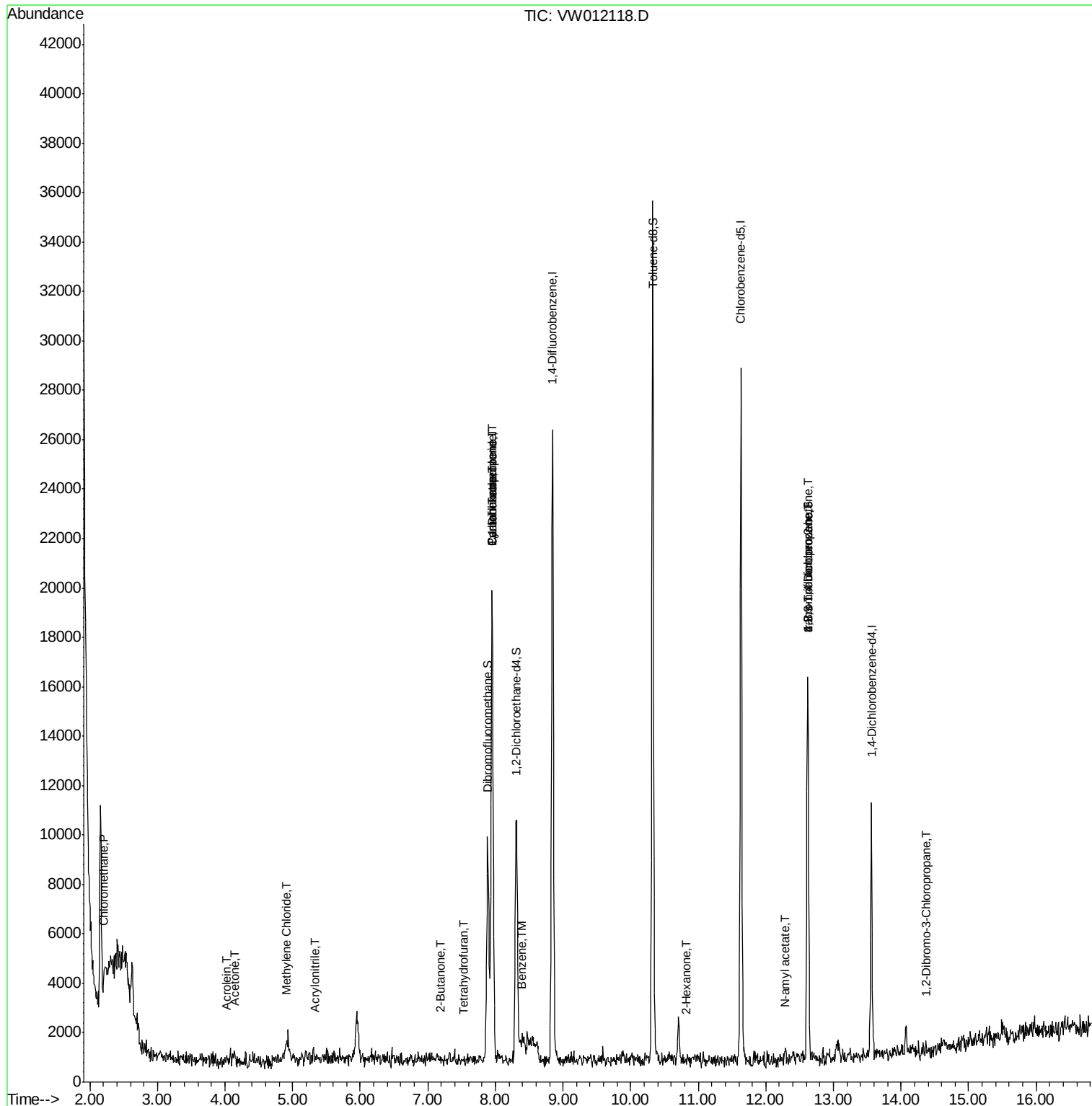
Target Compounds			Qvalue			
3) Chloromethane	2.20	50	272	2.102	ug/l #	43
11) Tert butyl alcohol	5.14	59	19	Below Cal	#	72
13) Acrolein	4.03	56	22	1.994	ug/l #	63
15) Acrylonitrile	5.34	53	40	1.015	ug/l #	55
16) Acetone	4.14	43	503	10.285	ug/l #	47
20) Methylene Chloride	4.90	84	322	1.909	ug/l #	48
25) 2-Butanone	7.18	43	70	1.094	ug/l #	56
29) Tetrahydrofuran	7.52	42	55	1.504	ug/l #	41
31) Cyclohexane	7.95	56	453	1.576	ug/l #	49
36) 1,1-Dichloropropene	7.95	75	1281	6.086	ug/l #	53
38) Carbon Tetrachloride	7.95	117	1402	7.780	ug/l #	13
40) Benzene	8.39	78	982	1.666	ug/l	99
59) 2-Hexanone	10.82	43	94	1.149	ug/l	64
74) N-amyl acetate	12.27	43	72	1.177	ug/l #	47
76) 1,2,3-Trichloropropane	12.62	75	2593	93.534	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	2593	215.563	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.37	75	19	3.031	ug/l #	5

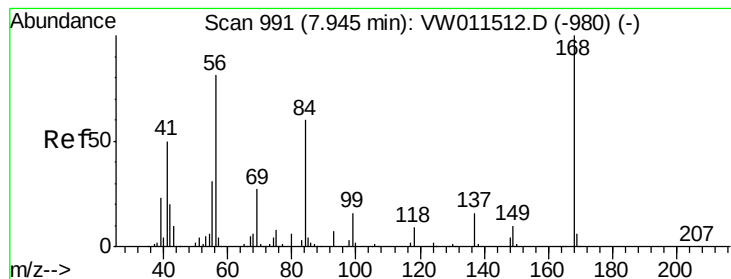
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012118.D

Acq: 22 Aug 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

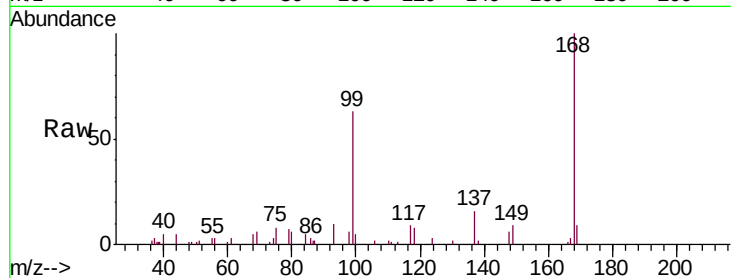
SB-09-5.5-6.0

Tgt Ion:168 Resp: 13389

Ion Ratio Lower Upper

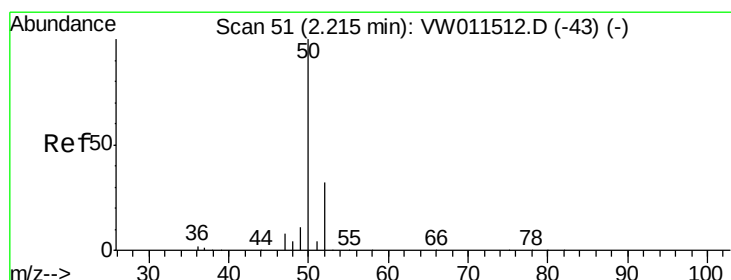
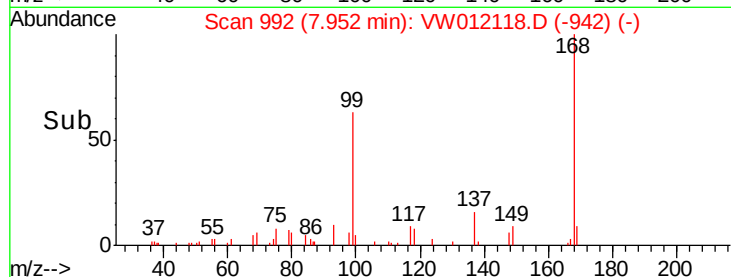
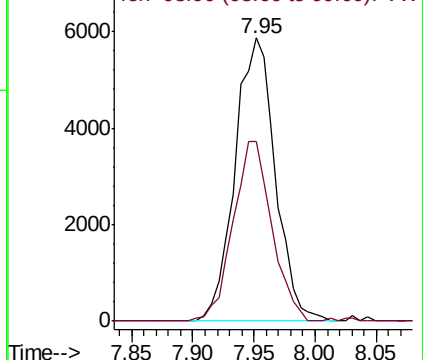
168 100

99 63.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 2.102 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012118.D

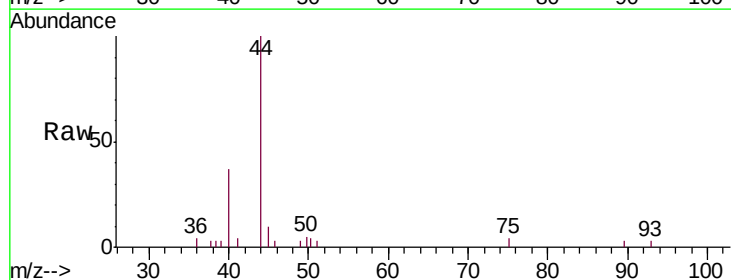
Acq: 22 Aug 2019 18:26

Tgt Ion: 50 Resp: 272

Ion Ratio Lower Upper

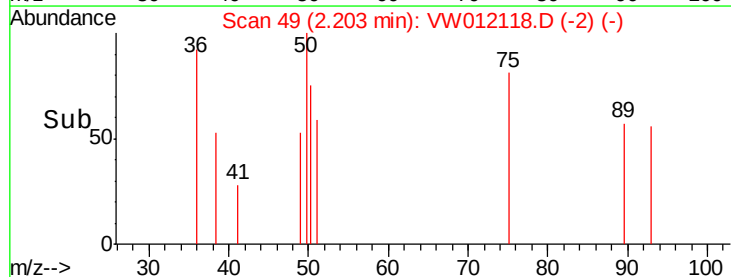
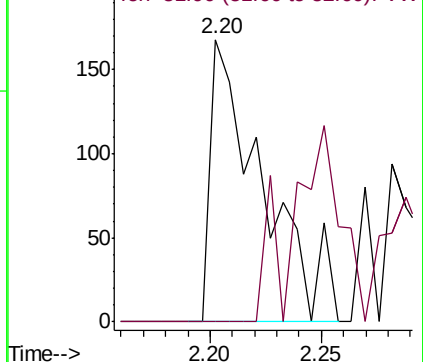
50 100

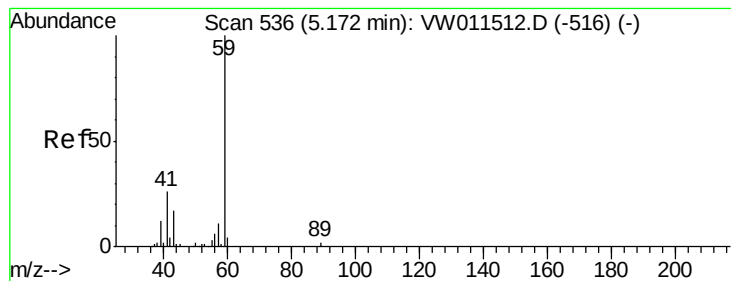
52 0.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.14 min Scan# 531

Delta R.T. -0.03 min

Lab File: VW012118.D

Acq: 22 Aug 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

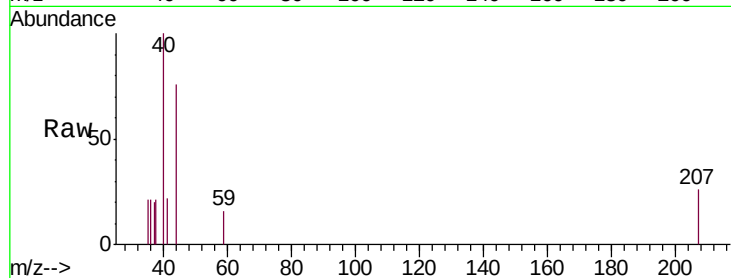
SB-09-5.5-6.0

Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

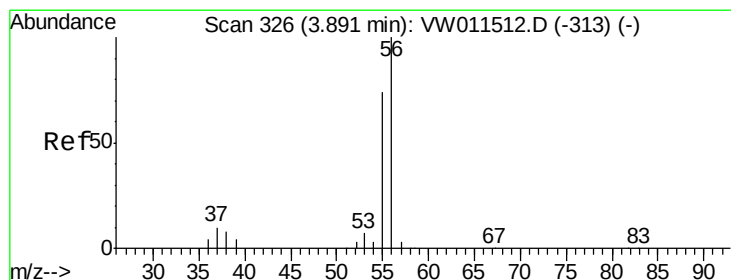
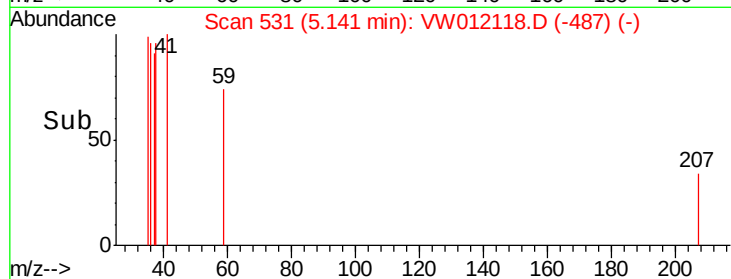
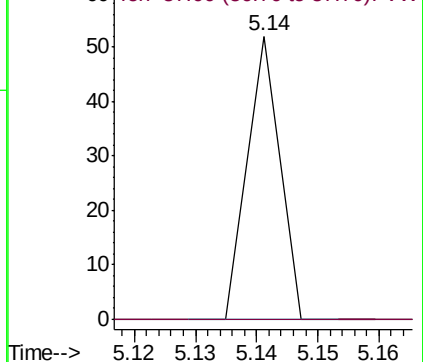
59 100

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



#13

Acrolein

Concen: 1.994 ug/l

RT: 4.03 min Scan# 349

Delta R.T. 0.14 min

Lab File: VW012118.D

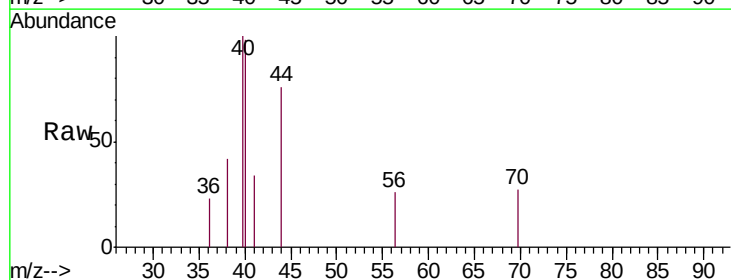
Acq: 22 Aug 2019 18:26

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

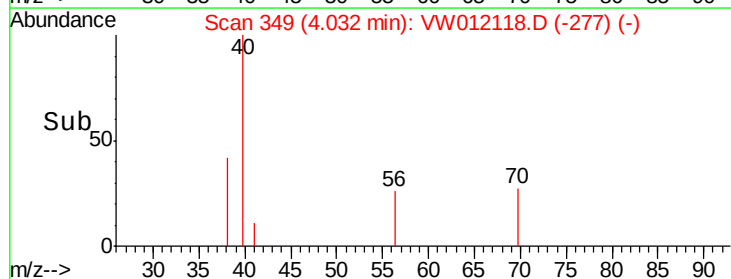
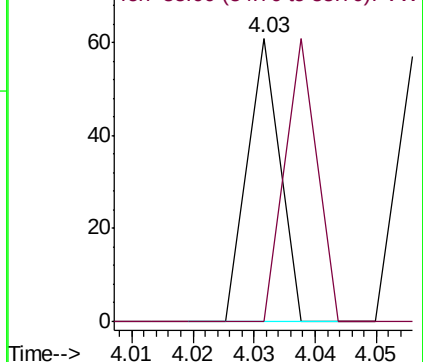
56 100

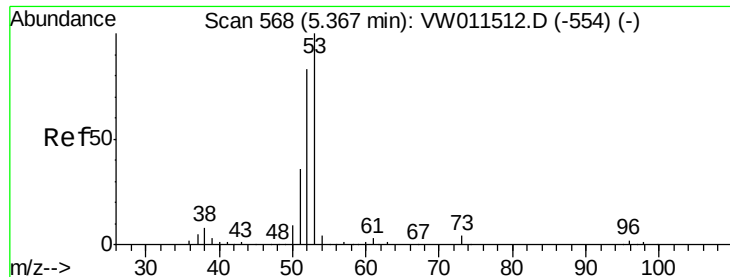
55 100.0 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#15

Acrylonitrile

Concen: 1.015 ug/l

RT: 5.34 min Scan# 564

Delta R.T. -0.02 min

Lab File: VW012118.D

Acq: 22 Aug 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

SB-09-5.5-6.0

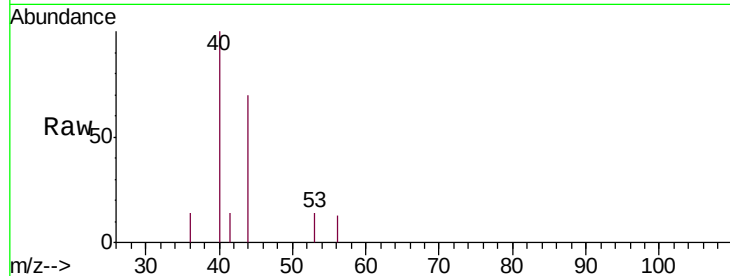
Tgt Ion: 53 Resp: 40

Ion Ratio Lower Upper

53 100

52 50.0 67.2 100.8#

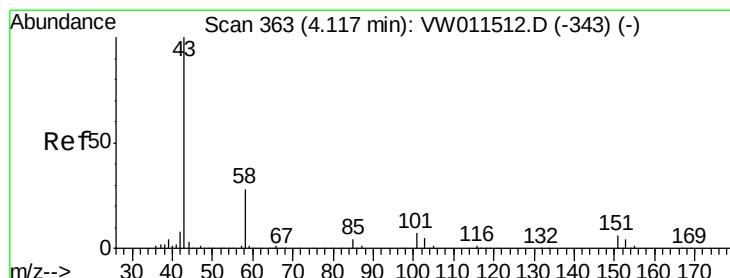
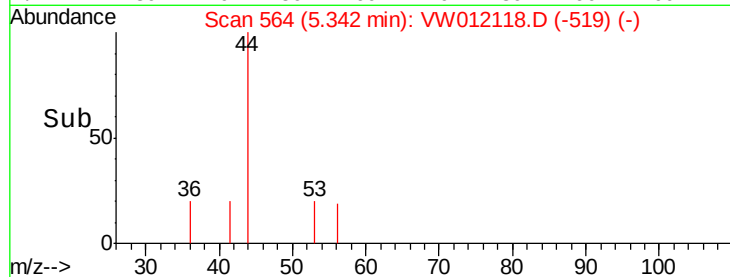
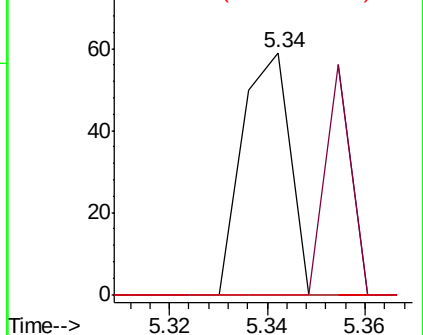
51 0.0 30.0 45.0#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 10.285 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012118.D

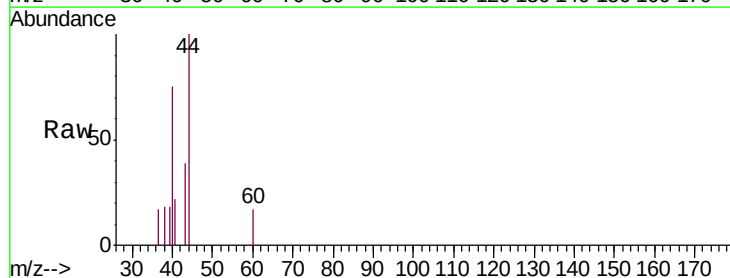
Acq: 22 Aug 2019 18:26

Tgt Ion: 43 Resp: 503

Ion Ratio Lower Upper

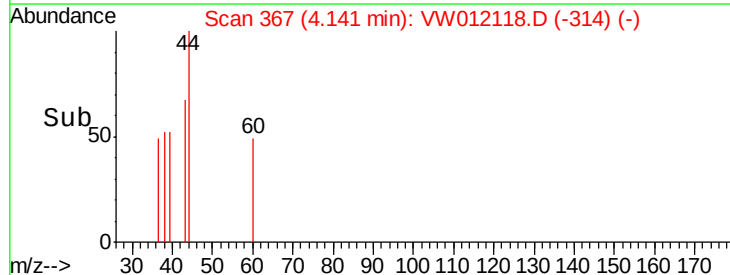
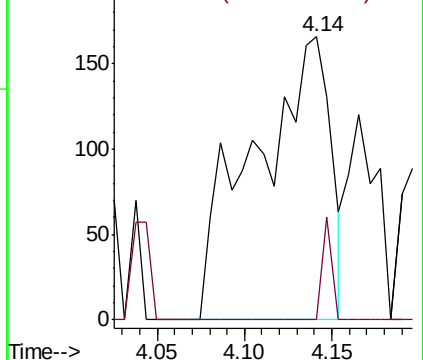
43 100

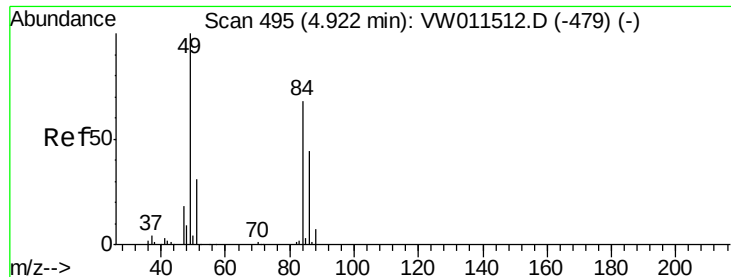
58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 1.909 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012118.D

Acq: 22 Aug 2019 18:26

Instrument :

MSVOA_W

ClientSampled :

SB-09-5.5-6.0

Tgt Ion: 84 Resp: 322

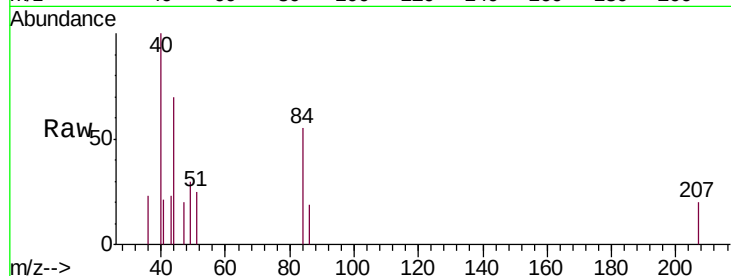
Ion Ratio Lower Upper

84 100

49 54.7 117.8 176.6#

51 44.8 37.0 55.4

86 34.8 51.8 77.8#

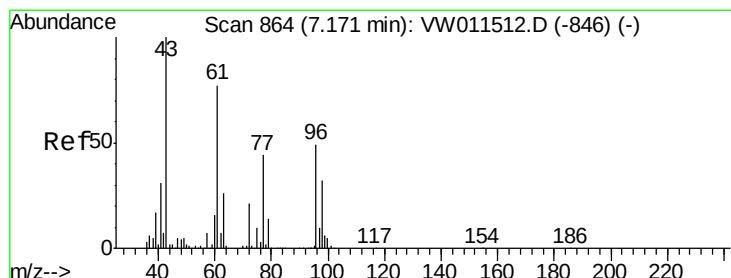
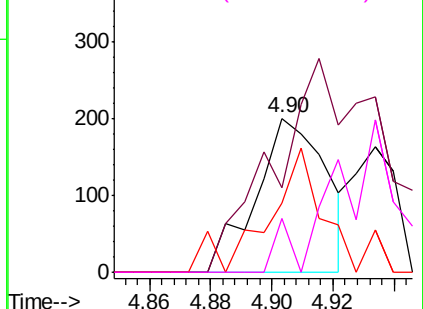
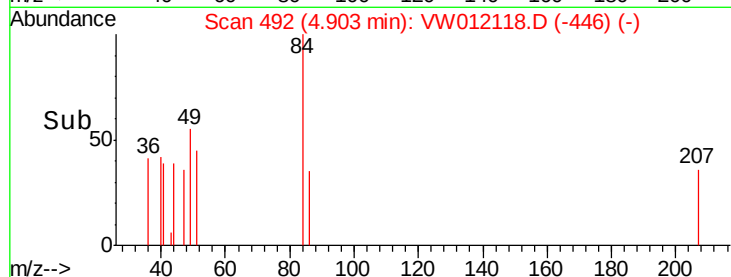


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.094 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW012118.D

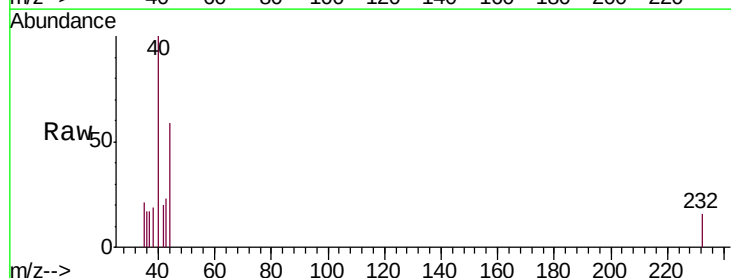
Acq: 22 Aug 2019 18:26

Tgt Ion: 43 Resp: 70

Ion Ratio Lower Upper

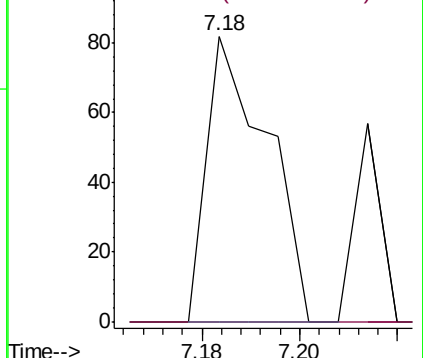
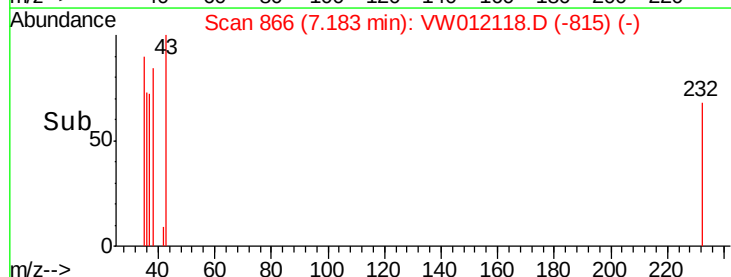
43 100

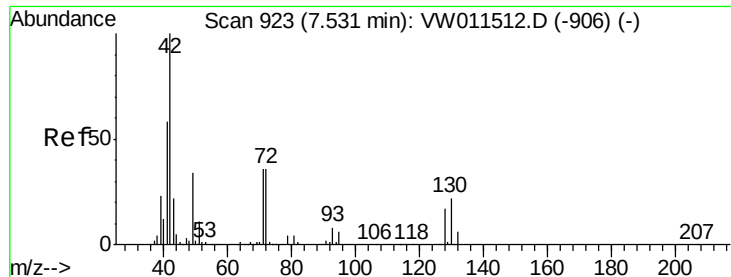
72 0.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

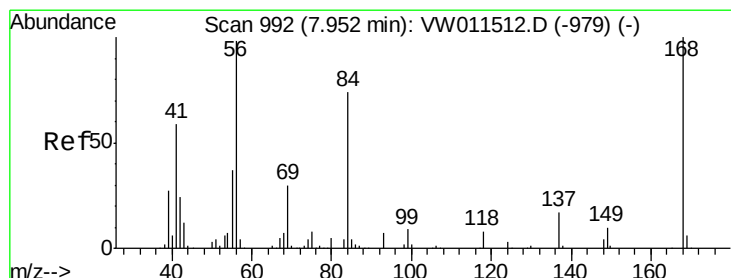
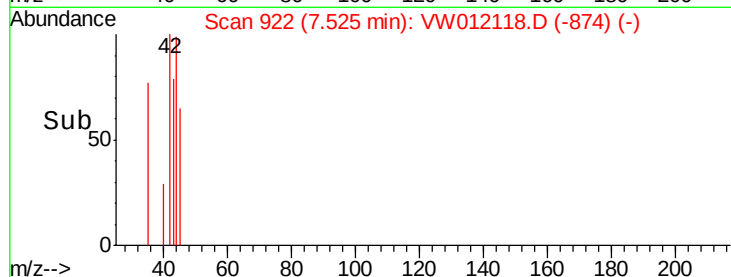
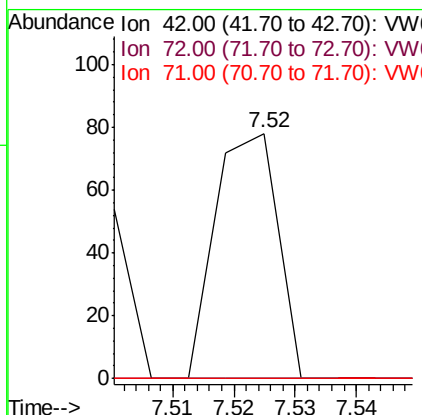
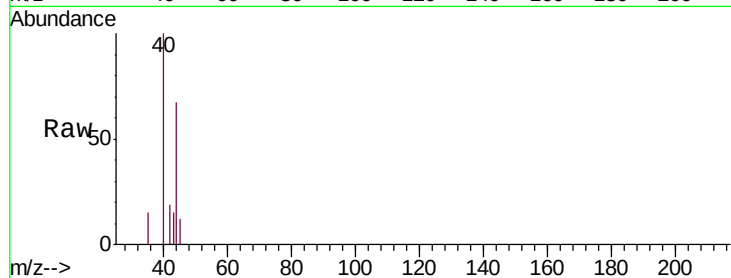




#29
Tetrahydrofuran
Concen: 1.504 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012118.D
Acq: 22 Aug 2019 18:26

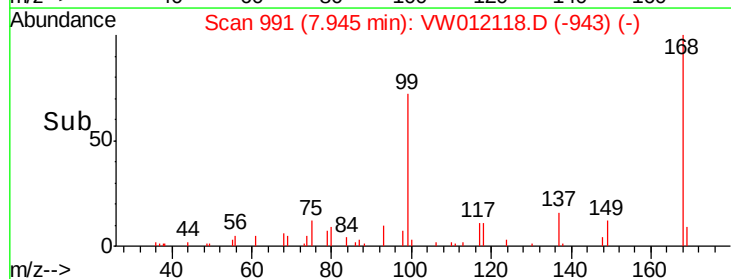
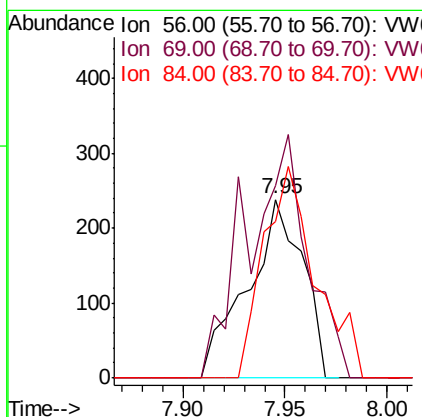
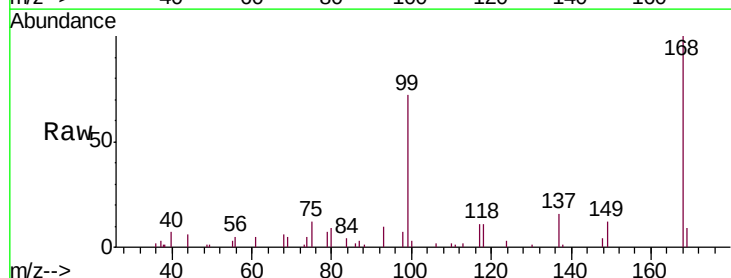
Instrument :
MSVOA_W
ClientSampled :
SB-09-5.5-6.0

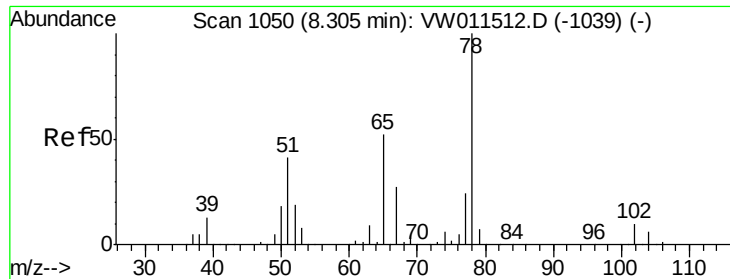
Tgt Ion: 42 Resp: 55
Ion Ratio Lower Upper
42 100
72 0.0 27.1 40.7#
71 0.0 26.2 39.4#



#31
Cyclohexane
Concen: 1.576 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012118.D
Acq: 22 Aug 2019 18:26

Tgt Ion: 56 Resp: 453
Ion Ratio Lower Upper
56 100
69 108.0 24.3 36.5#
84 87.8 60.4 90.6

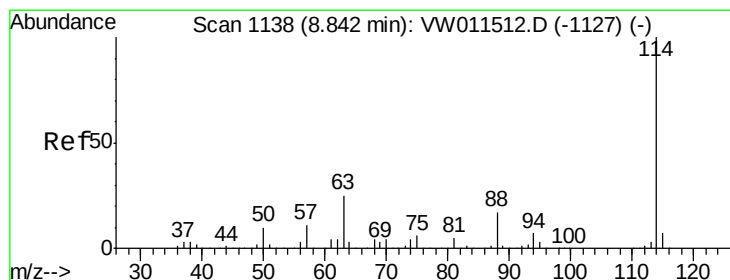
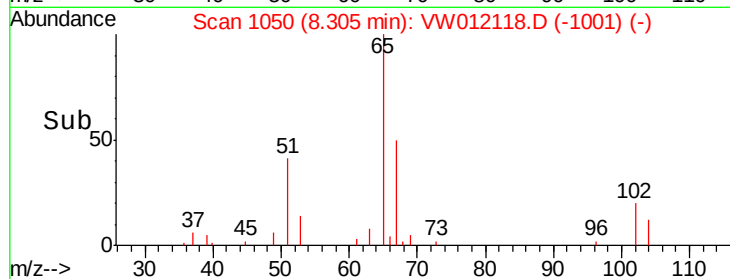
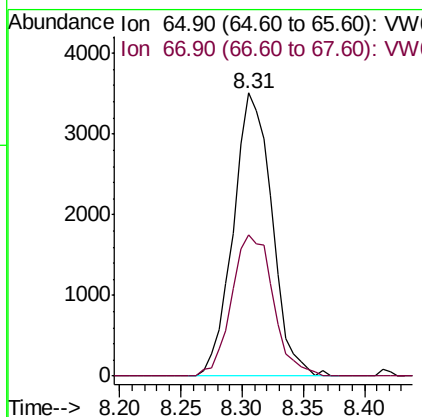
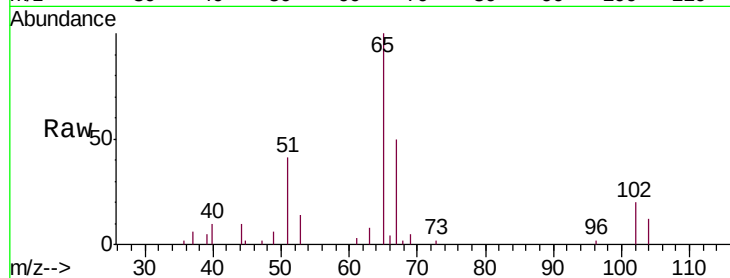




#33
 1,2-Dichloroethane-d4
 Concen: 50.129 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012118.D
 Acq: 22 Aug 2019 18:26

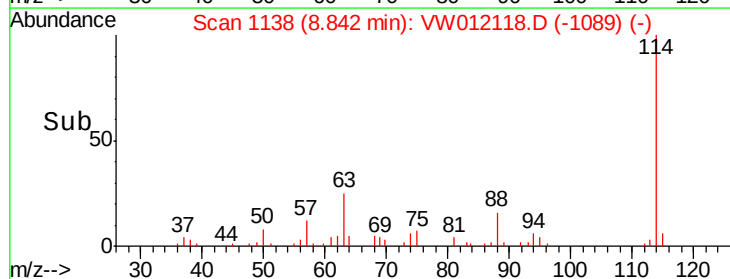
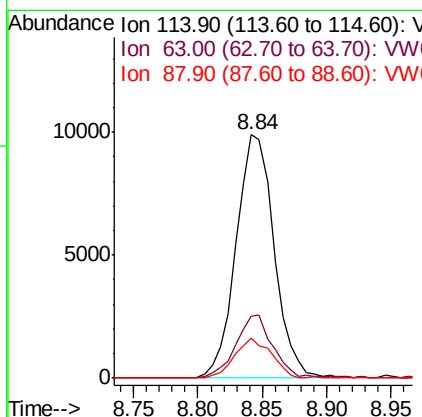
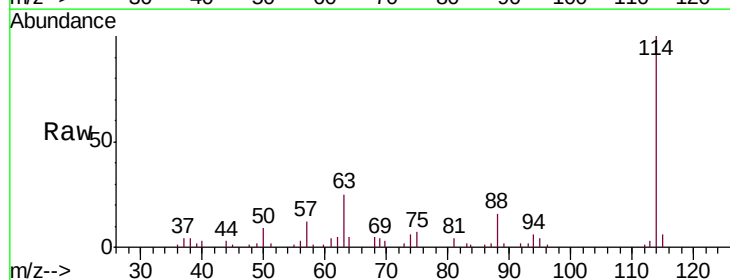
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09-5.5-6.0

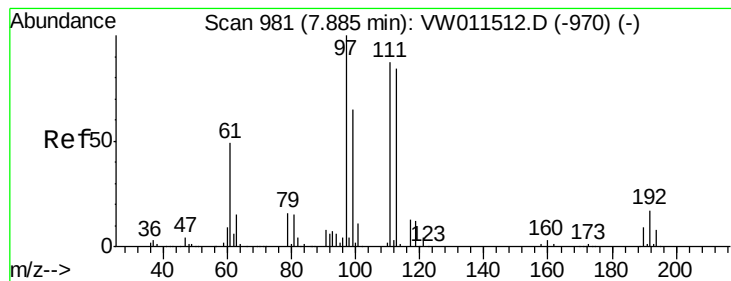
Tgt Ion: 65 Resp: 7707
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012118.D
 Acq: 22 Aug 2019 18:26

Tgt Ion: 114 Resp: 20243
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 49.2
 88 16.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 57.807 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW012118.D

Acq: 22 Aug 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

SB-09-5.5-6.0

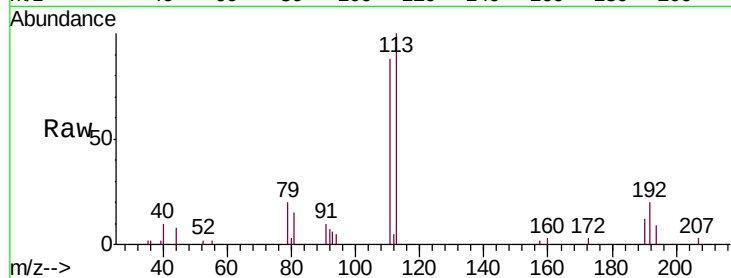
Tgt Ion:113 Resp: 6565

Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

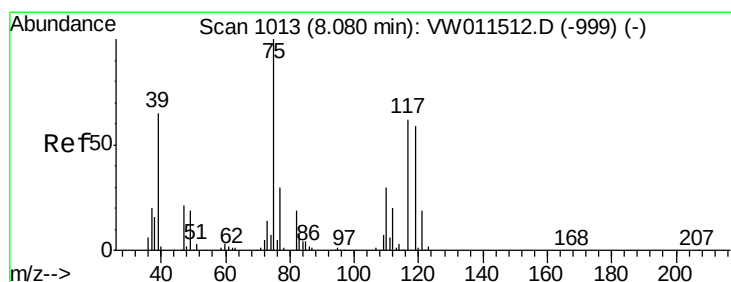
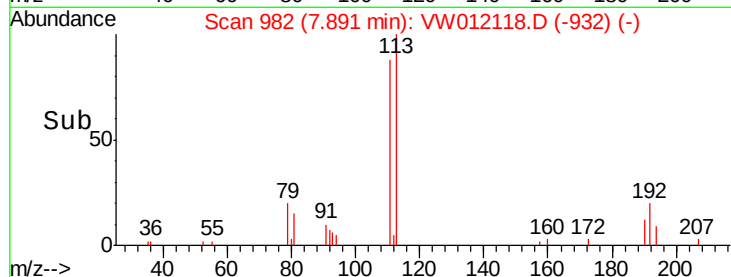
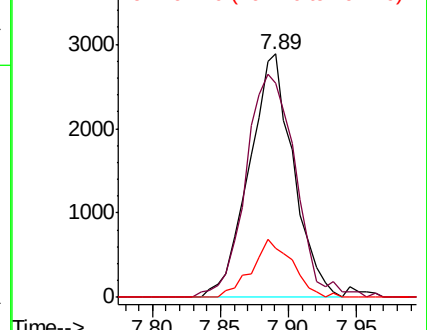
192 21.9 16.1 24.1



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: 6.086 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012118.D

Acq: 22 Aug 2019 18:26

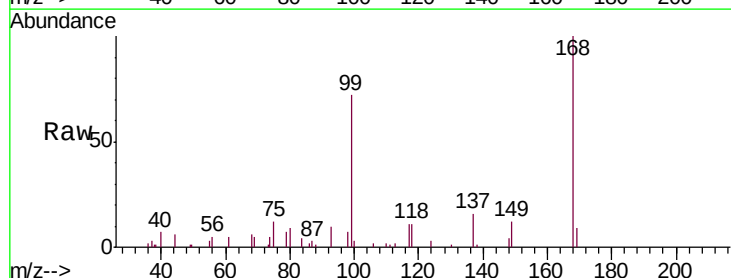
Tgt Ion: 75 Resp: 1281

Ion Ratio Lower Upper

75 100

110 9.7 15.6 46.8#

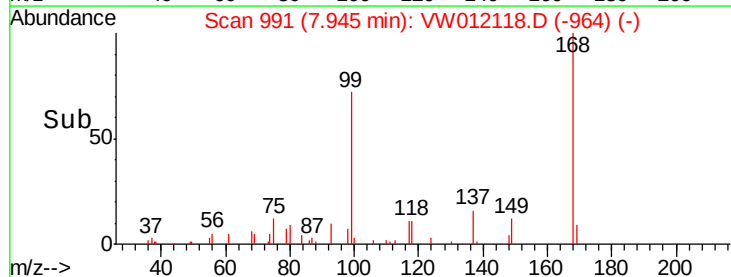
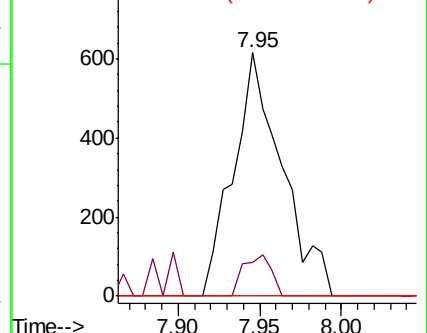
77 0.0 24.3 36.5#

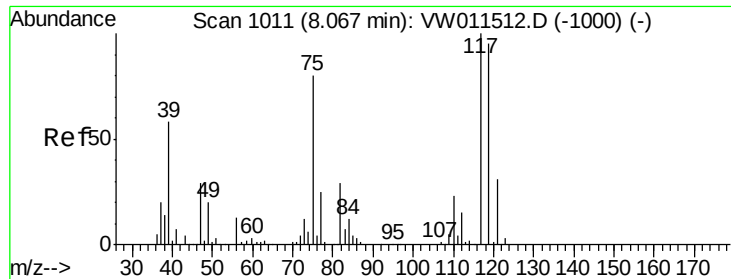


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

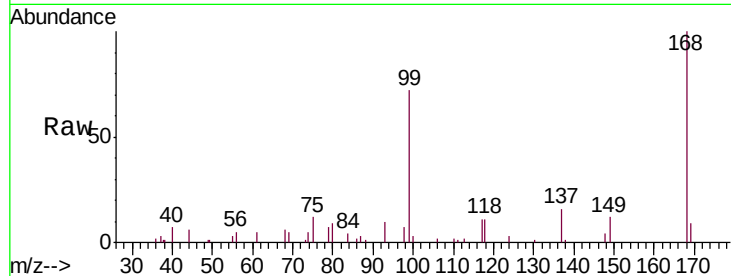




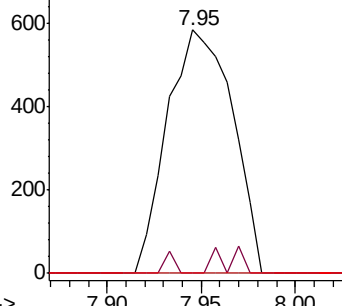
#38
Carbon Tetrachloride
Concen: 7.780 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012118.D
Acq: 22 Aug 2019 18:26

Instrument :
MSVOA_W
ClientSampleId :
SB-09-5.5-6.0

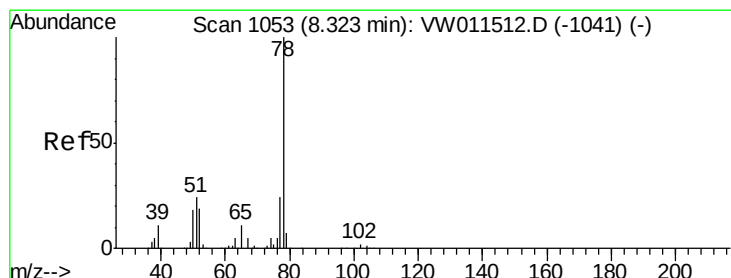
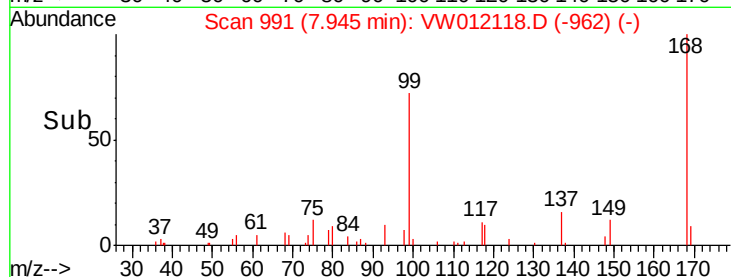
Tgt Ion:117 Resp: 1402
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

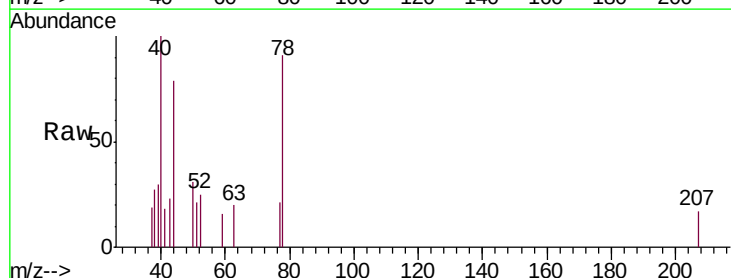


Time-->

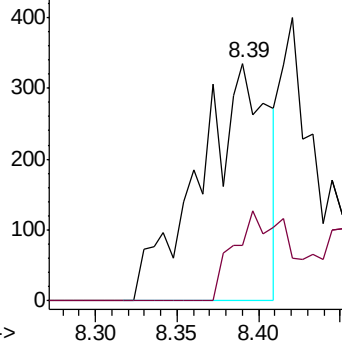


#40
Benzene
Concen: 1.666 ug/l
RT: 8.39 min Scan# 1064
Delta R.T. 0.07 min
Lab File: VW012118.D
Acq: 22 Aug 2019 18:26

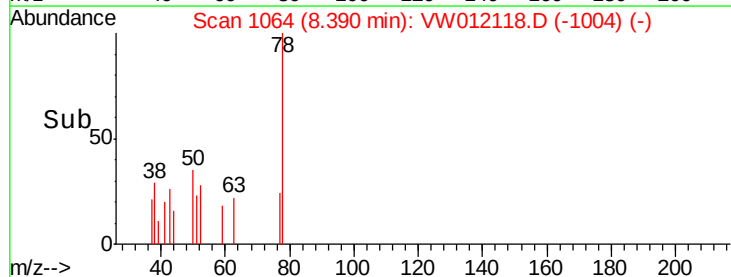
Tgt Ion: 78 Resp: 982
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.0

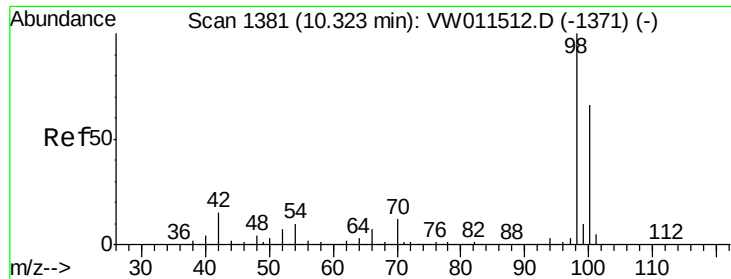


Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW



Time-->





#50

Toluene-d8

Concen: 50.960 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012118.D

Acq: 22 Aug 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

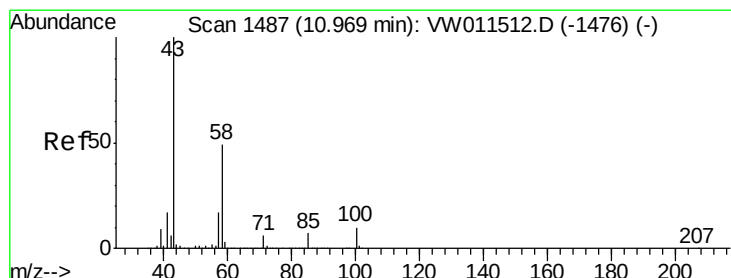
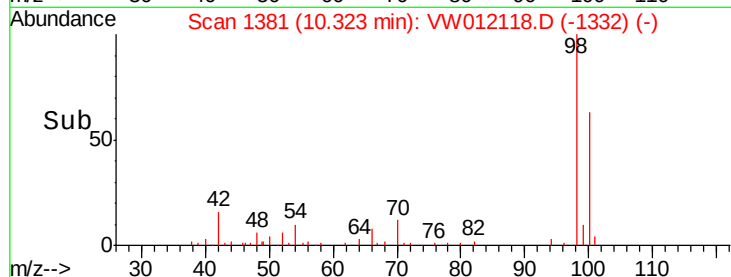
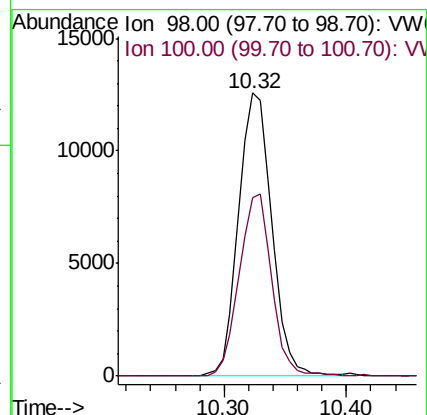
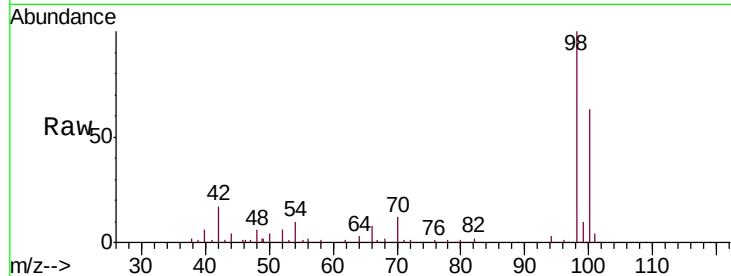
SB-09-5.5-6.0

Tgt Ion: 98 Resp: 23695

Ion Ratio Lower Upper

98 100

100 62.7 52.7 79.1



#59

2-Hexanone

Concen: 1.149 ug/l

RT: 10.82 min Scan# 1462

Delta R.T. -0.15 min

Lab File: VW012118.D

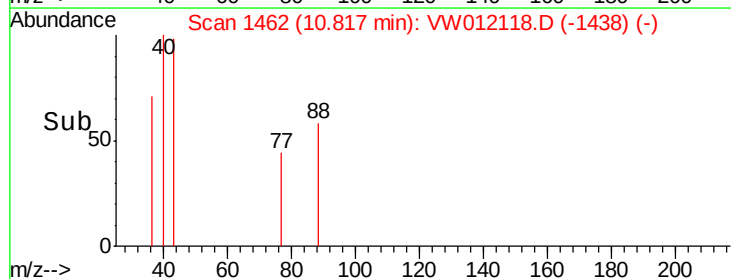
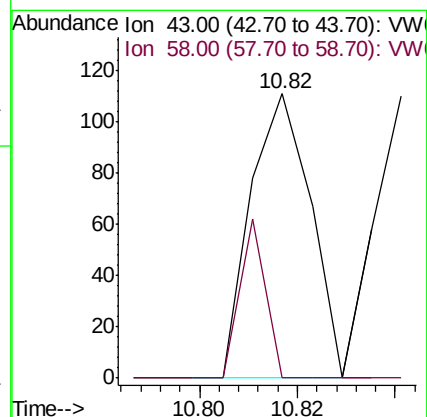
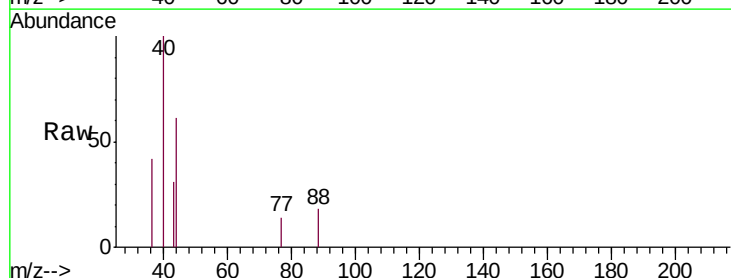
Acq: 22 Aug 2019 18:26

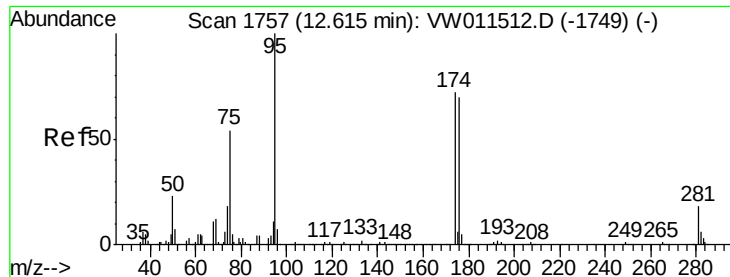
Tgt Ion: 43 Resp: 94

Ion Ratio Lower Upper

43 100

58 24.5 24.3 72.9

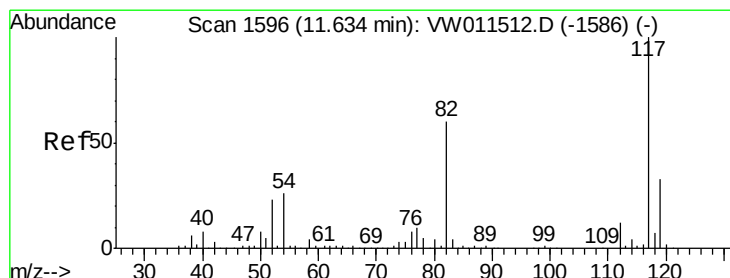
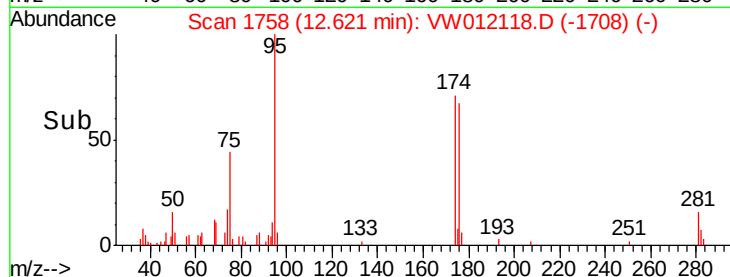
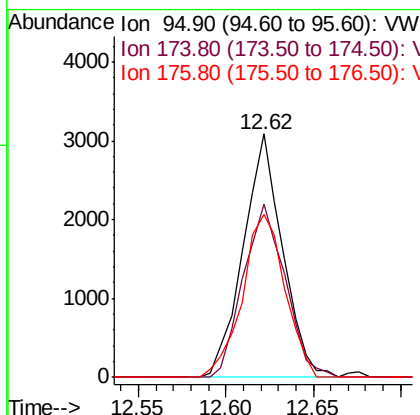
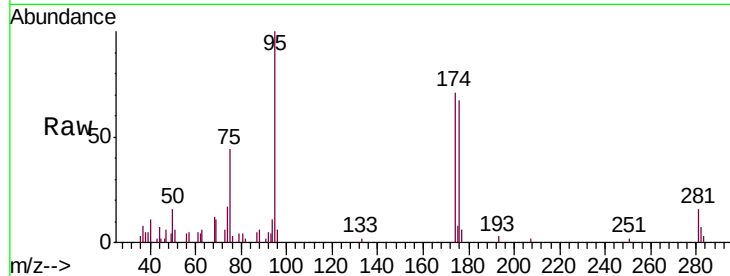




#62
4-Bromofluorobenzene
Concen: 29.076 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012118.D
Acq: 22 Aug 2019 18:26

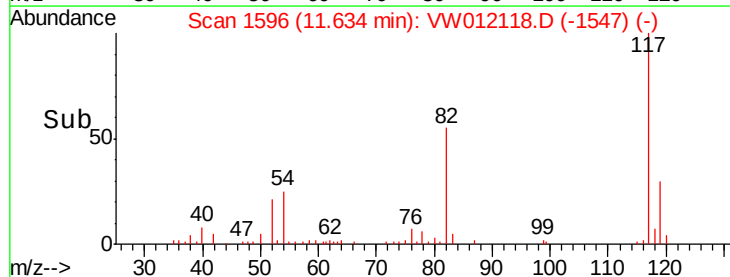
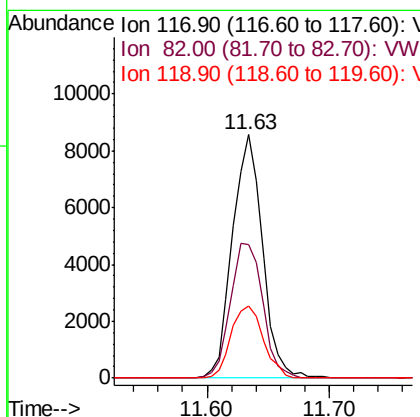
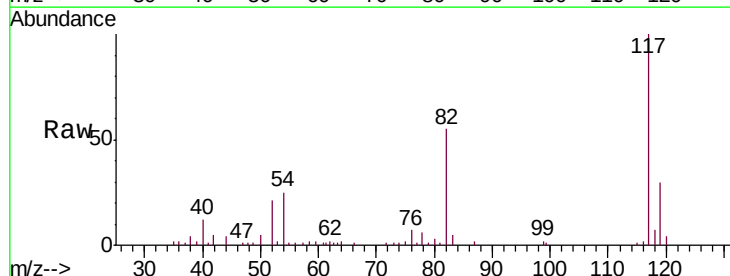
Instrument :
MSVOA_W
ClientSampleId :
SB-09-5.5-6.0

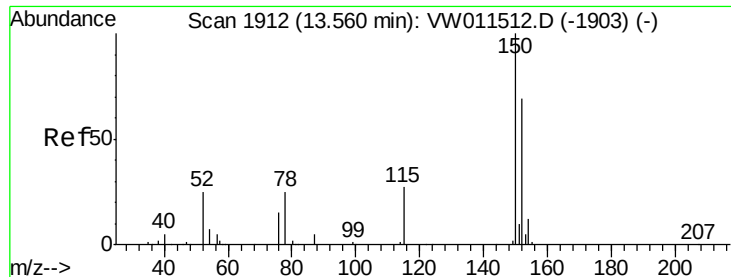
Tgt Ion: 95 Resp: 4820
Ion Ratio Lower Upper
95 100
174 75.8 0.0 150.2
176 72.3 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012118.D
Acq: 22 Aug 2019 18:26

Tgt Ion: 117 Resp: 14538
Ion Ratio Lower Upper
117 100
82 54.6 47.9 71.9
119 29.6 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: VW012118.D

Acq: 22 Aug 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

SB-09-5.5-6.0

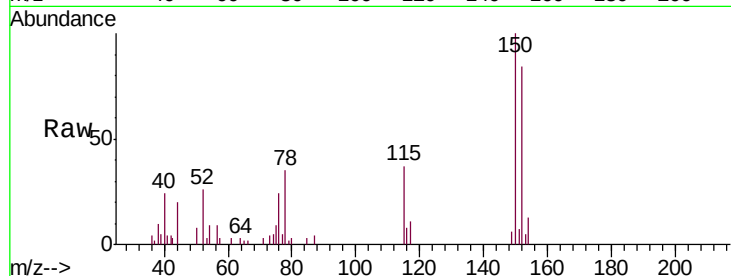
Tgt Ion:152 Resp: 2620

Ion Ratio Lower Upper

152 100

115 55.1 30.5 91.5

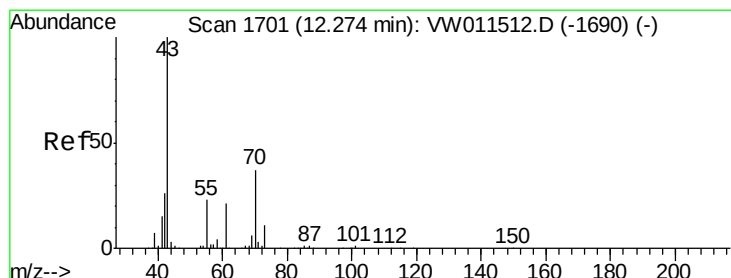
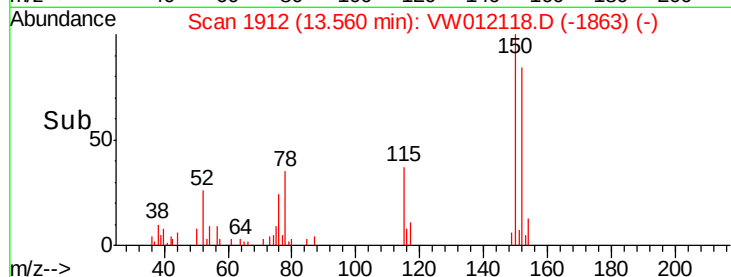
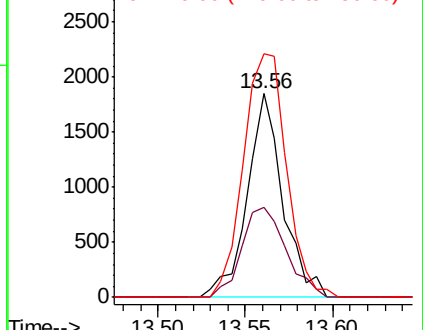
150 144.4 0.0 352.6



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



#74

N-ethyl acetate

Concen: 1.177 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012118.D

Acq: 22 Aug 2019 18:26

Tgt Ion: 43 Resp: 72

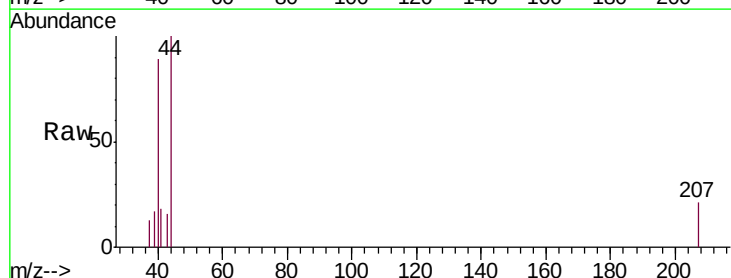
Ion Ratio Lower Upper

43 100

70 0.0 28.6 43.0#

55 0.0 17.8 26.8#

61 0.0 17.0 25.6#

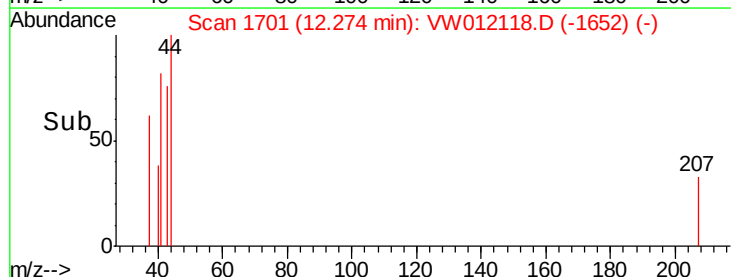
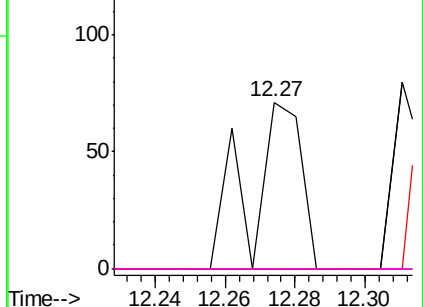


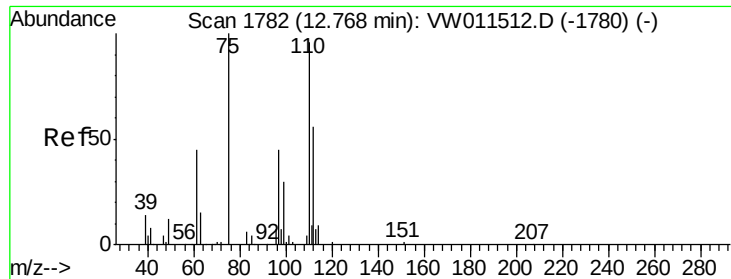
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

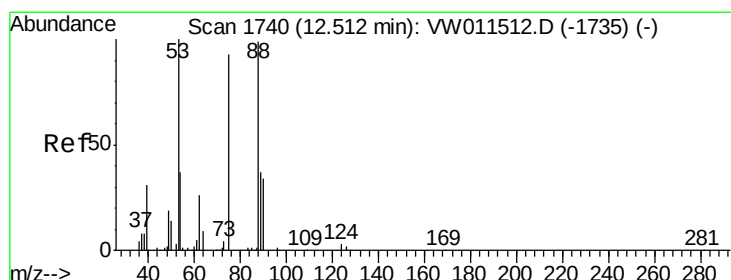
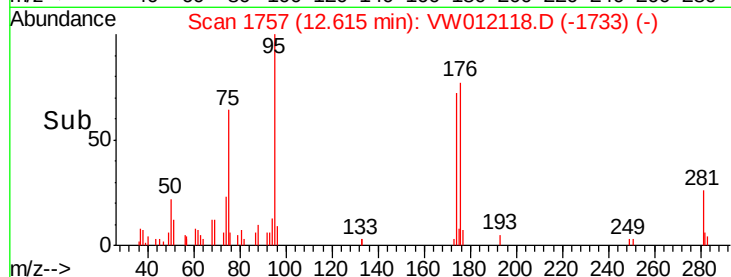
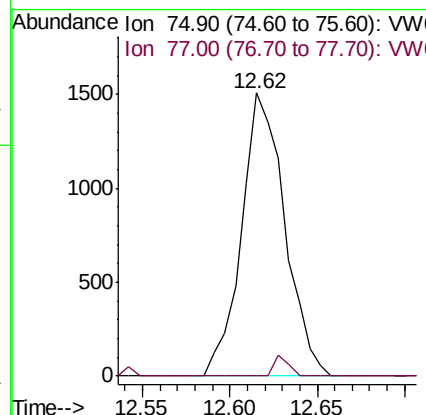
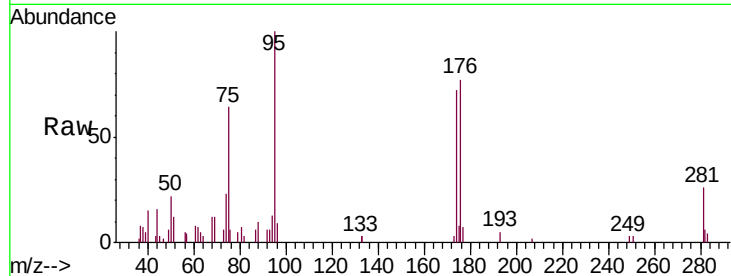




#76
 1,2,3-Trichloropropane
 Concen: 93.534 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012118.D
 Acq: 22 Aug 2019 18:26

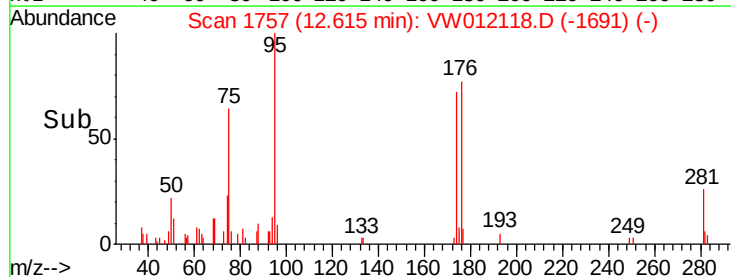
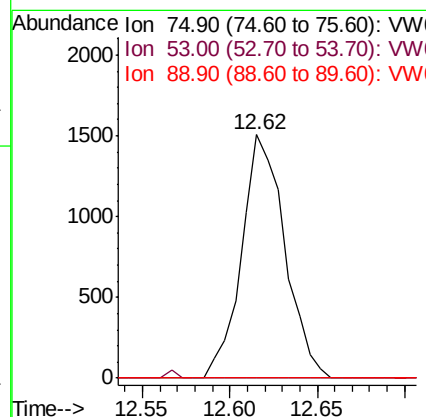
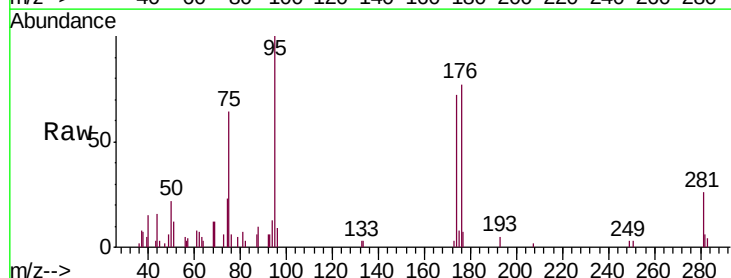
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09-5.5-6.0

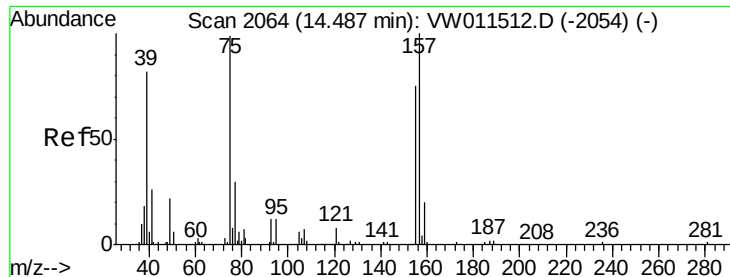
Tgt Ion: 75 Resp: 2593
 Ion Ratio Lower Upper
 75 100
 77 2.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 215.563 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012118.D
 Acq: 22 Aug 2019 18:26

Tgt Ion: 75 Resp: 2593
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.0 132.0#
 89 0.0 35.3 52.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.031 ug/l

RT: 14.37 min Scan# 2044

Delta R.T. -0.12 min

Lab File: VW012118.D

Acq: 22 Aug 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

SB-09-5.5-6.0

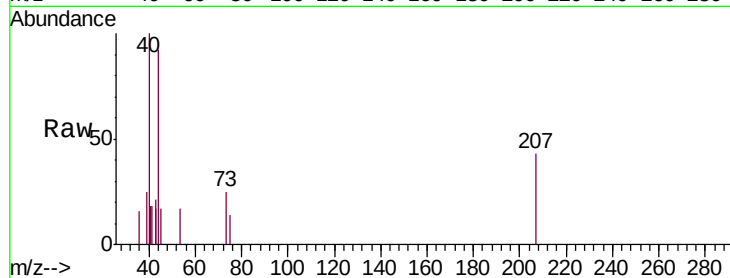
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

155 0.0 38.2 114.6#

157 0.0 48.9 146.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

