

Data File : VW013937.D
Acq On : 08 Nov 2019 11:56
Operator : SY/VA
Sample : VW1108SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBL01

Quant Time: Nov 09 03:15:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	313083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	447234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	377874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187457	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121604	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	7.88	113	127433	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.32	98	512035	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.62	95	168641	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

Target Compounds

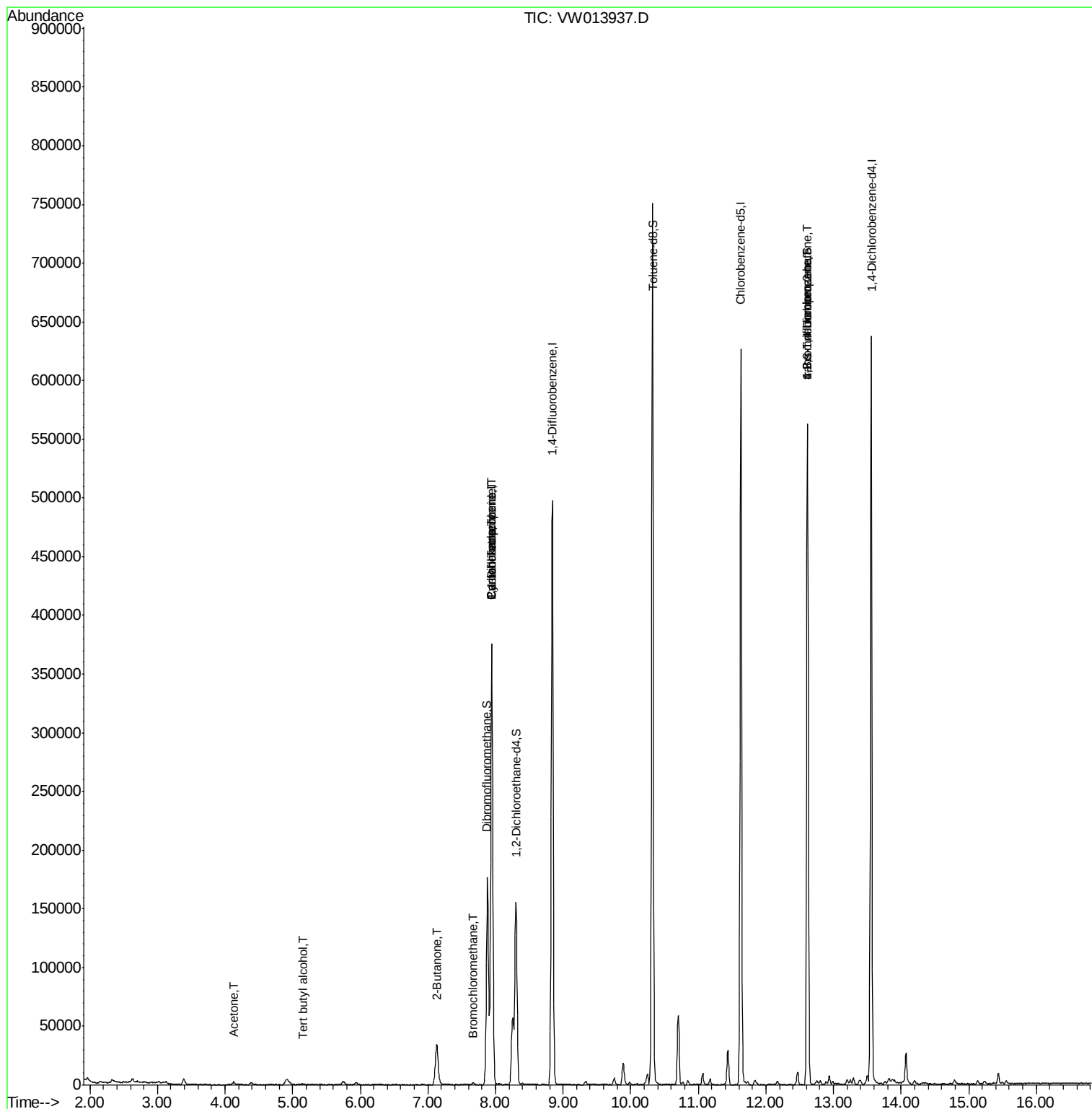
					Qvalue	
11) Tert butyl alcohol	5.15	59	163	1.163	ug/l #	71
16) Acetone	4.12	43	4446	8.928	ug/l	95
20) Methylene Chloride	4.90	84	1909	Below Cal	#	93
25) 2-Butanone	7.13	43	1084	1.514	ug/l #	67
28) Bromochloromethane	7.68	49	101	1.396	ug/l #	7
31) Cyclohexane	7.94	56	5426	1.039	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19530	4.689	ug/l #	50
38) Carbon Tetrachloride	7.95	117	26616	7.096	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	79425	58.999	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79425	111.500	ug/l #	14

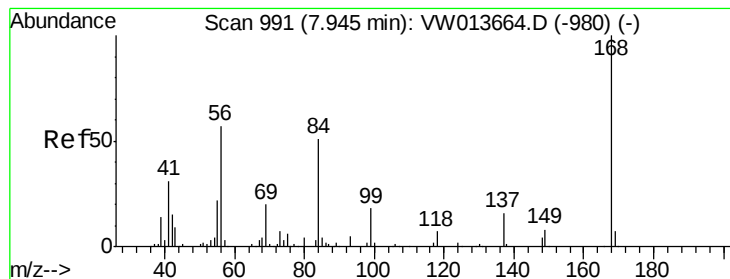
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013937.D

Acq: 08 Nov 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

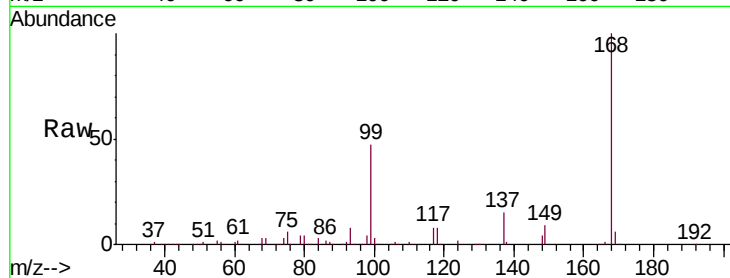
VW1108SBL01

Tgt Ion:168 Resp: 313083

Ion Ratio Lower Upper

168 100

99 47.3 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

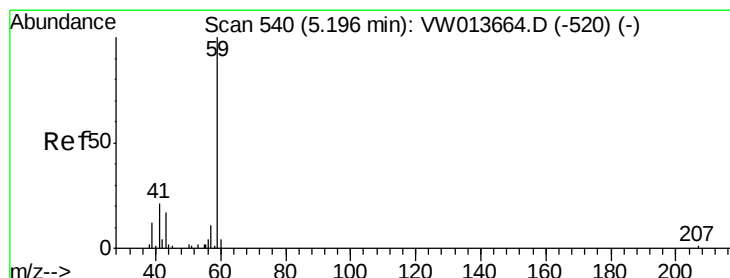
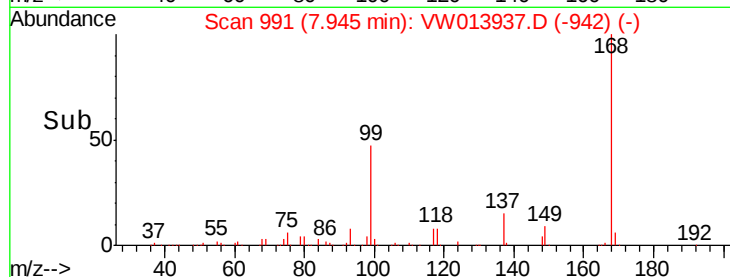
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 1.163 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.04 min

Lab File: VW013937.D

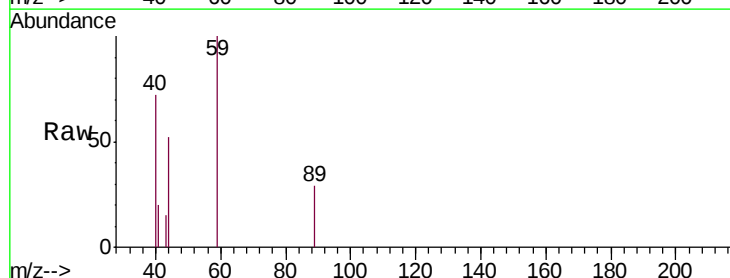
Acq: 08 Nov 2019 11:56

Tgt Ion: 59 Resp: 163

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

400

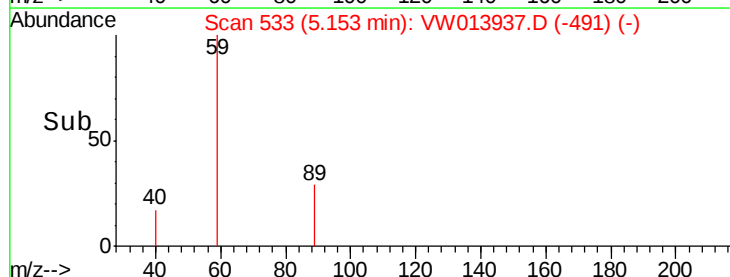
300

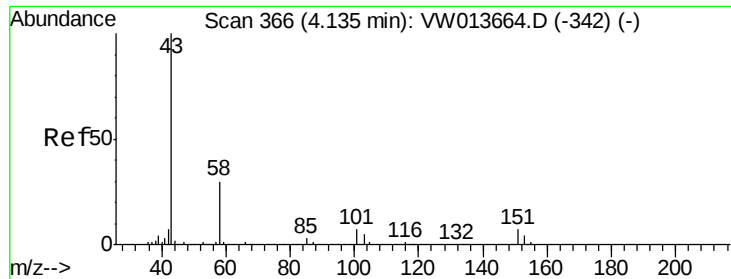
200

100

0

Time--> 5.13 5.14 5.15 5.16 5.17





#16

Acetone

Concen: 8.928 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013937.D

Acq: 08 Nov 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

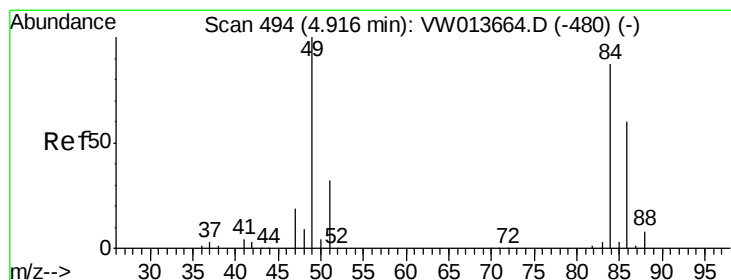
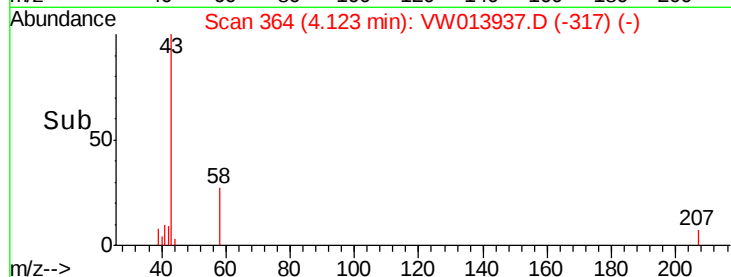
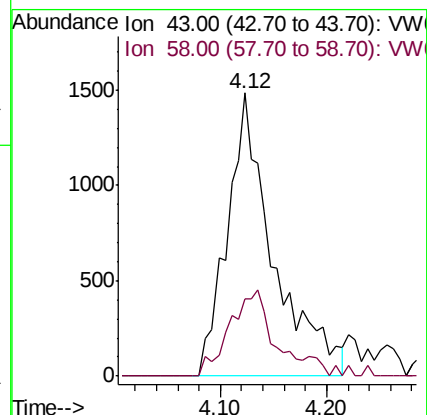
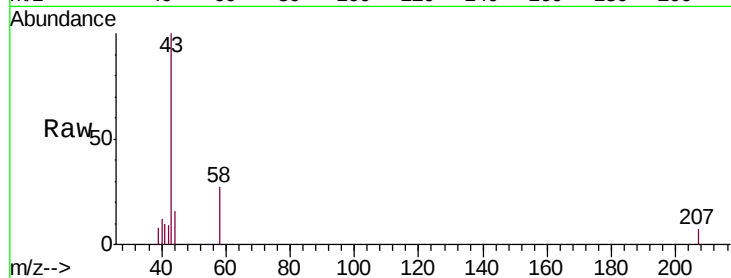
VW1108SBL01

Tgt Ion: 43 Resp: 4446

Ion Ratio Lower Upper

43 100

58 27.2 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013937.D

Acq: 08 Nov 2019 11:56

Tgt Ion: 84 Resp: 1909

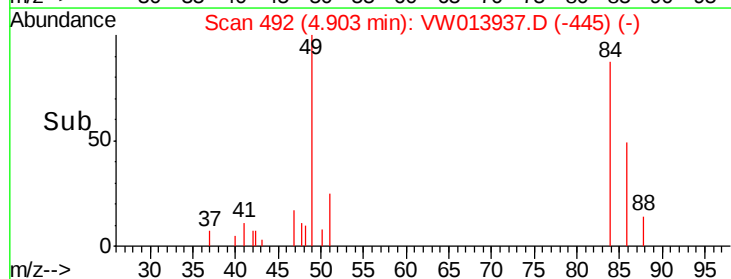
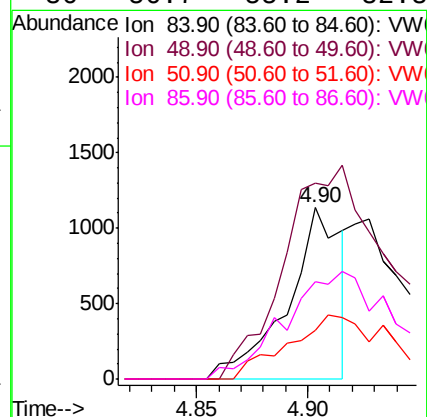
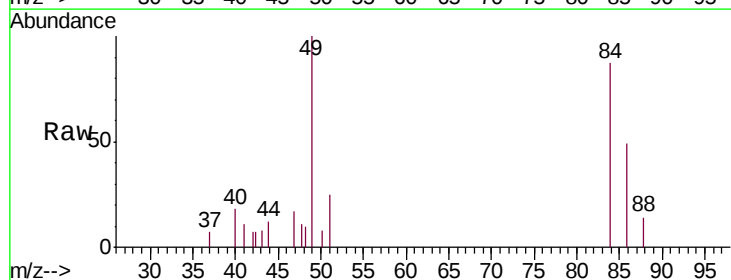
Ion Ratio Lower Upper

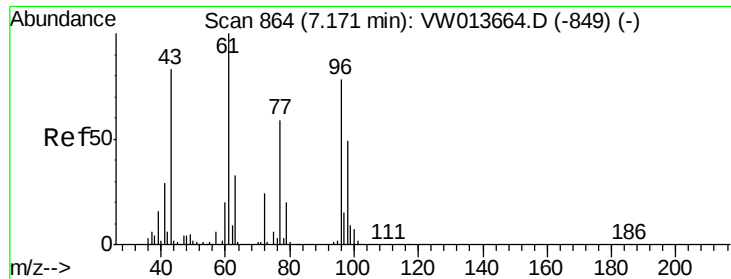
84 100

49 114.6 91.8 137.6

51 28.8 29.8 44.6#

86 56.7 55.2 82.8





#25

2-Butanone

Concen: 1.514 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW013937.D

Acq: 08 Nov 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

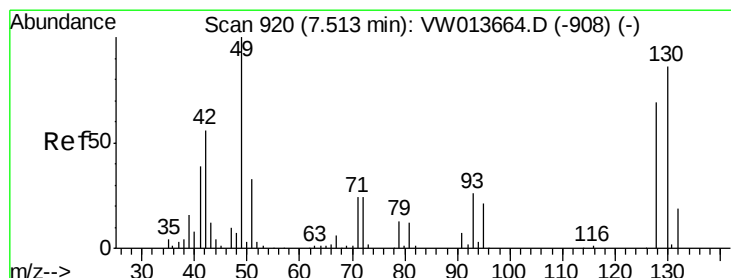
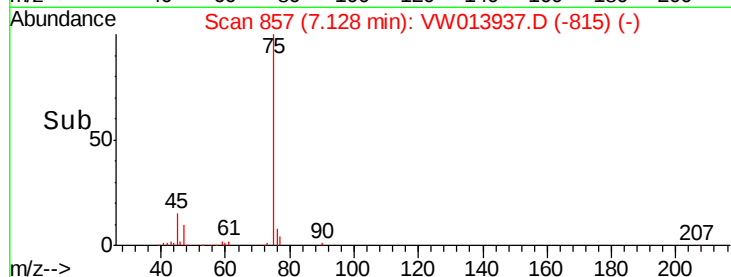
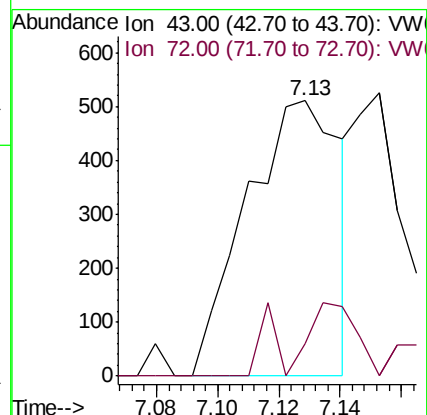
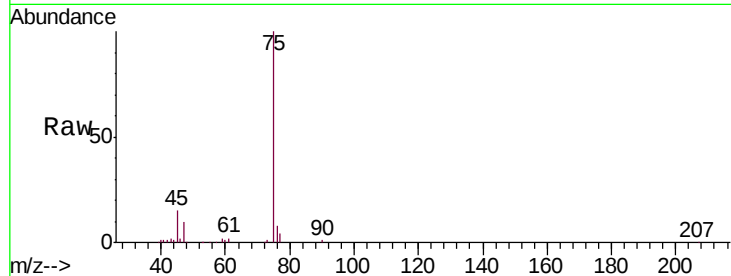
VW1108SBL01

Tgt Ion: 43 Resp: 1084

Ion Ratio Lower Upper

43 100

72 11.7 23.6 35.4#



#28

Bromochloromethane

Concen: 1.396 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.17 min

Lab File: VW013937.D

Acq: 08 Nov 2019 11:56

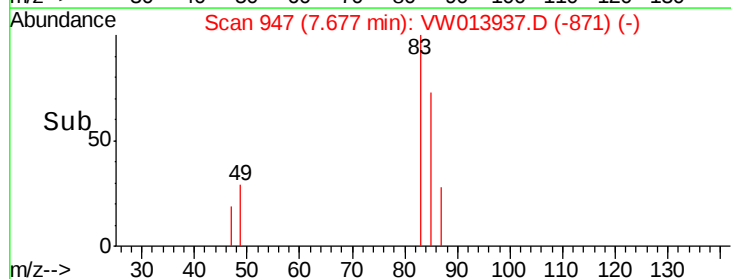
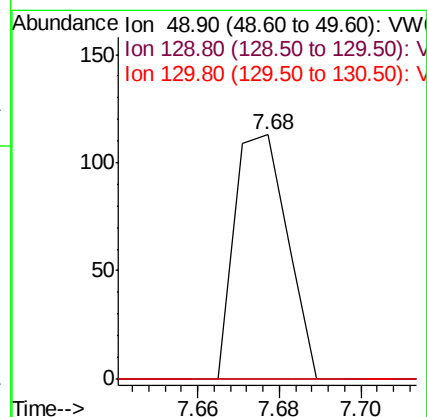
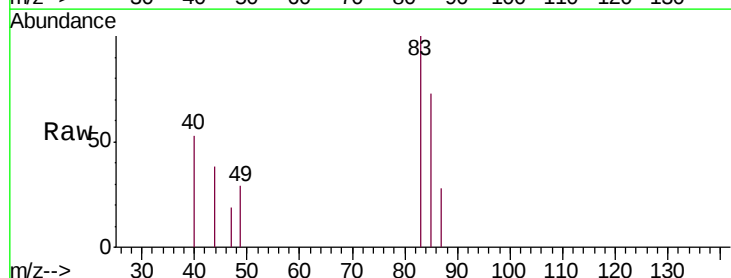
Tgt Ion: 49 Resp: 101

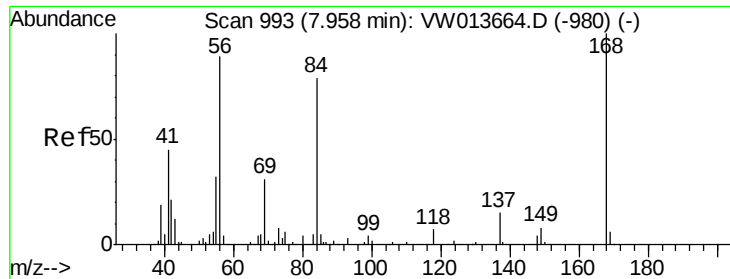
Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.6

130 0.0 67.5 101.3#

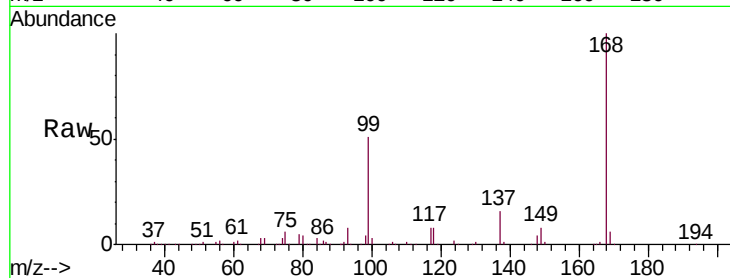




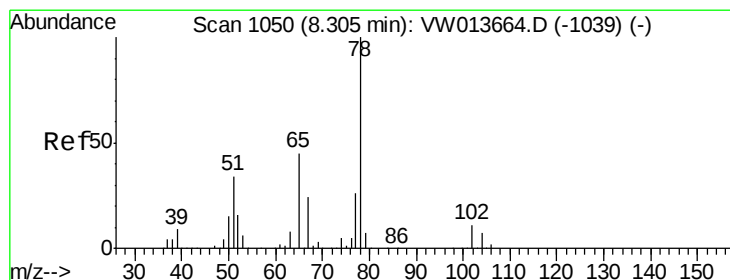
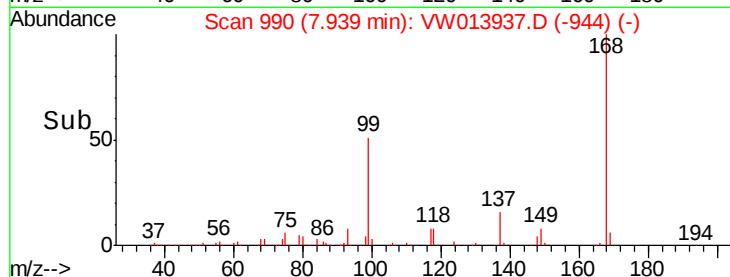
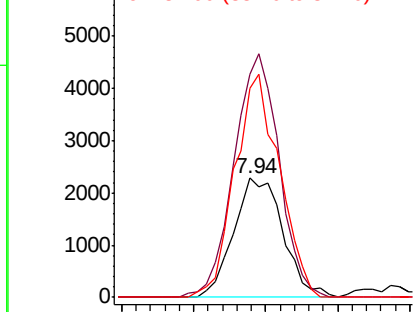
#31
Cyclohexane
Concen: 1.039 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW013937.D
Acq: 08 Nov 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBL01

Tgt Ion: 56 Resp: 5426
Ion Ratio Lower Upper
56 100
69 187.5 27.5 41.3#
84 175.9 70.8 106.2#

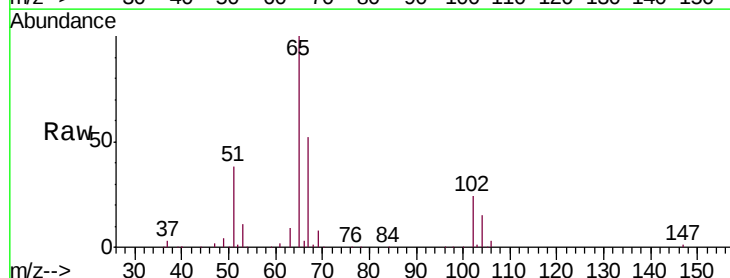


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

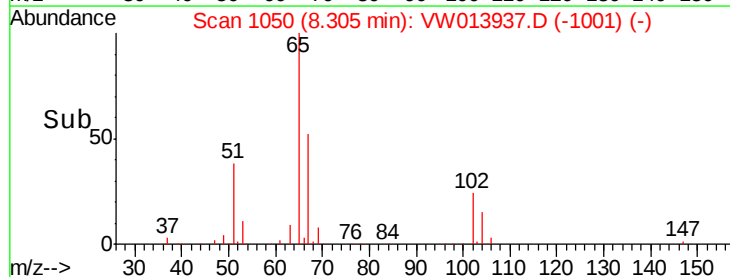
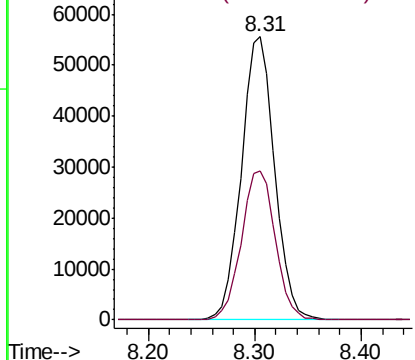


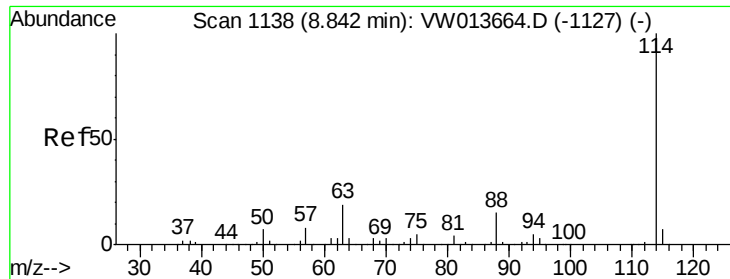
#33
1,2-Dichloroethane-d4
Concen: 51.776 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013937.D
Acq: 08 Nov 2019 11:56

Tgt Ion: 65 Resp: 121604
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.4



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

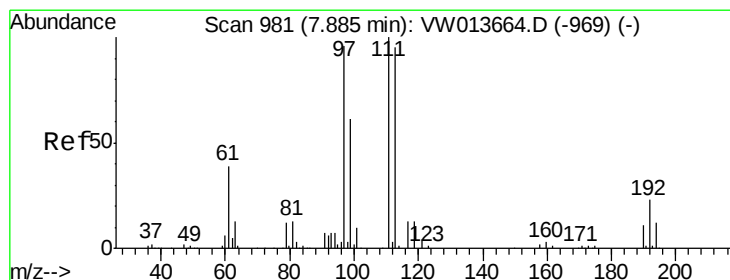
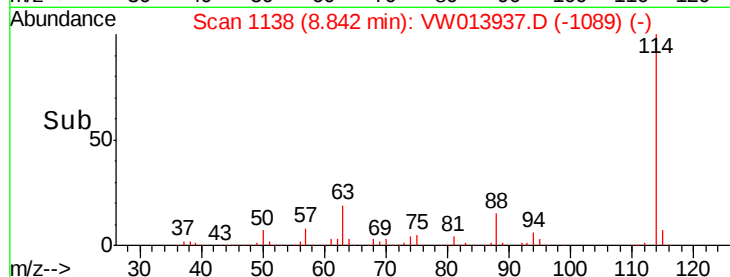
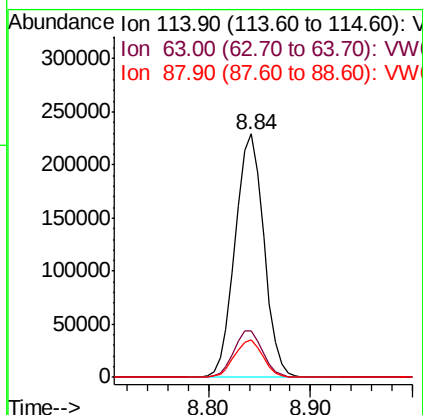
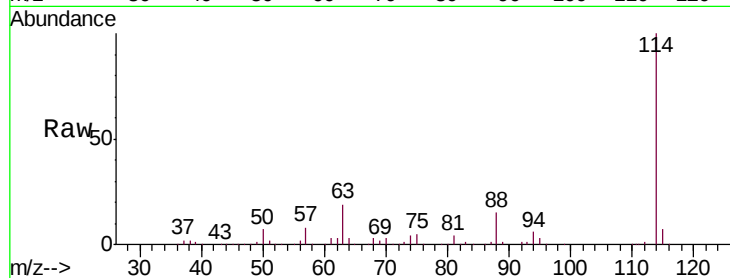




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013937.D
 Acq: 08 Nov 2019 11:56

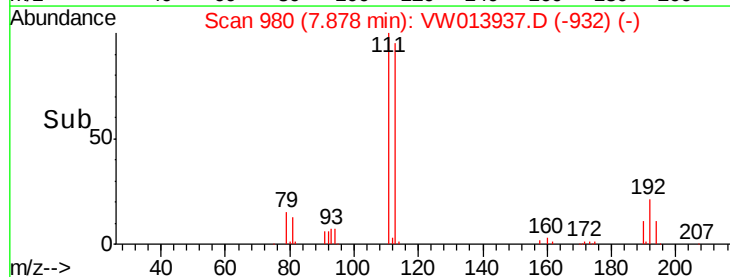
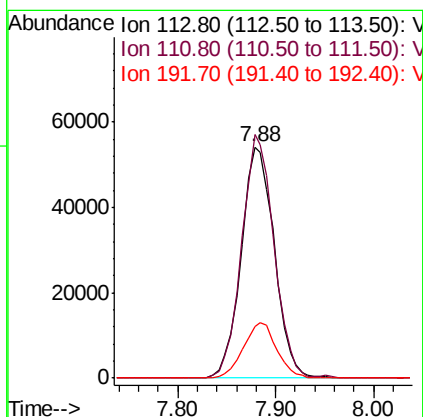
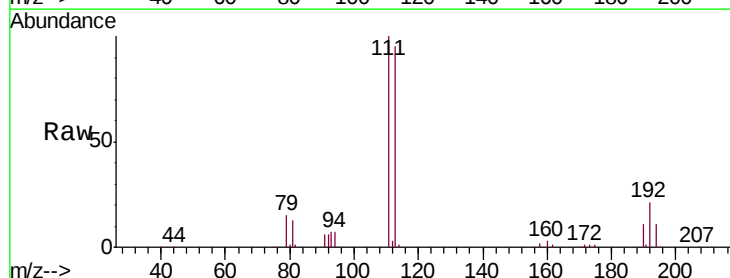
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 VW1108SBL01

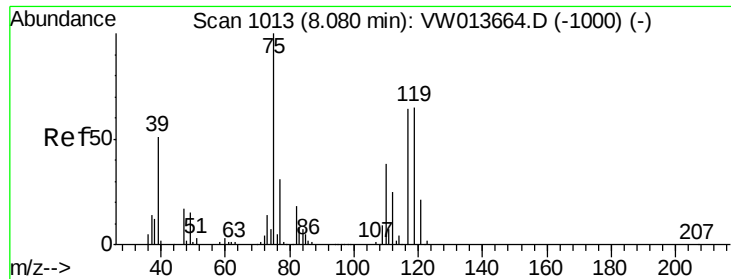
Tgt Ion:114 Resp: 447234
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.6
 88 15.2 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 51.279 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013937.D
 Acq: 08 Nov 2019 11:56

Tgt Ion:113 Resp: 127433
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.0 124.6
 192 23.9 19.4 29.2

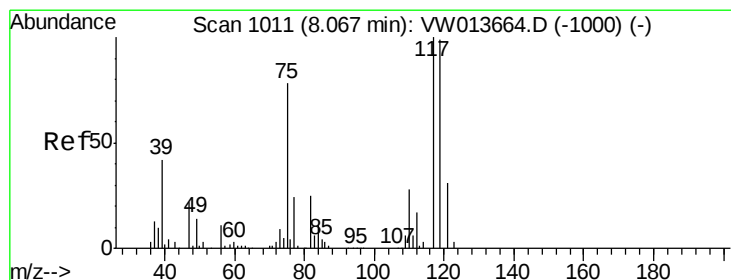
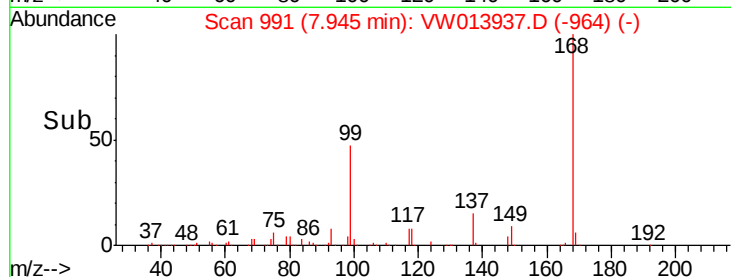
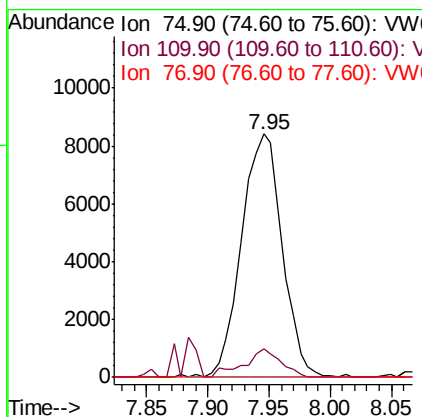
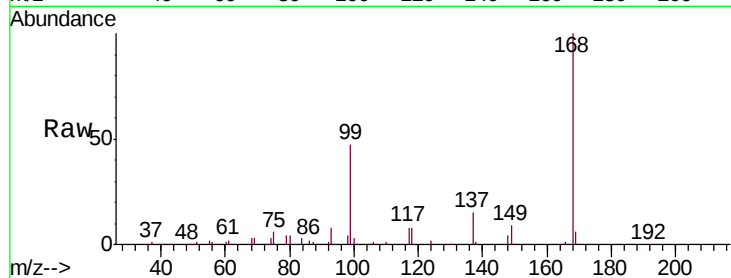




#36
 1,1-Dichloropropene
 Concen: 4.689 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013937.D
 Acq: 08 Nov 2019 11:56

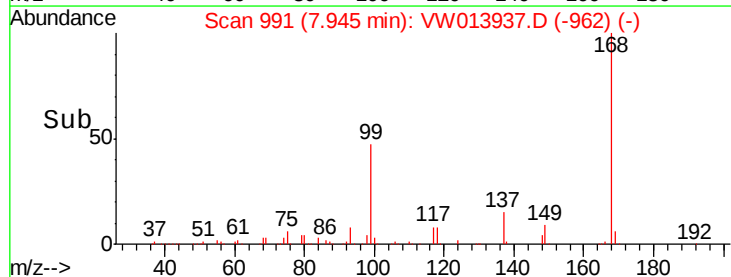
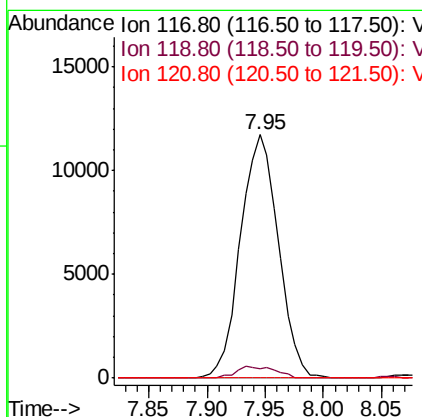
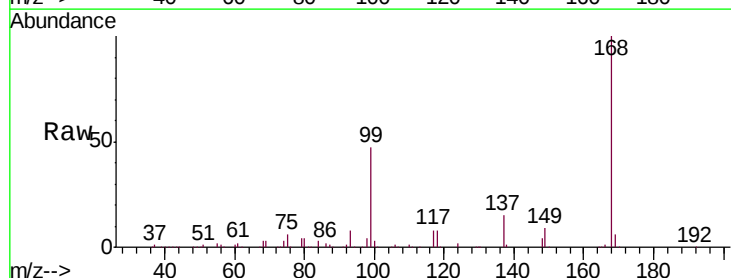
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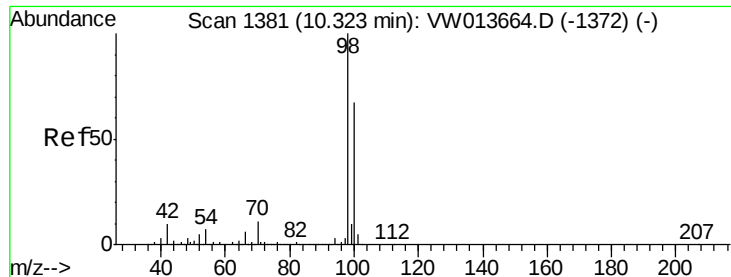
Tgt Ion: 75 Resp: 19530
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.7 56.1#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 7.096 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013937.D
 Acq: 08 Nov 2019 11:56

Tgt Ion: 117 Resp: 26616
 Ion Ratio Lower Upper
 117 100
 119 4.1 79.0 118.4#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 50.566 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013937.D

Acq: 08 Nov 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

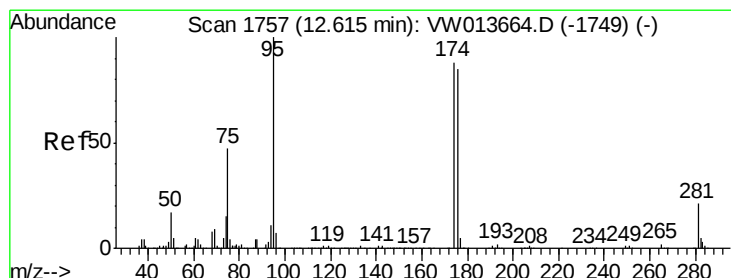
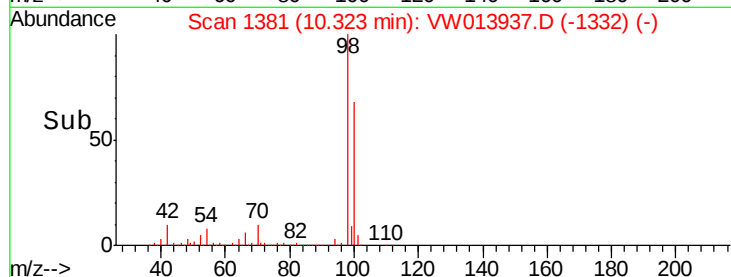
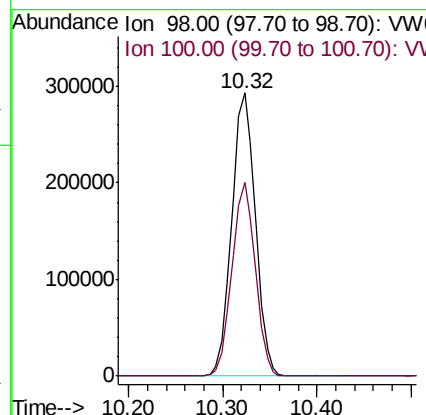
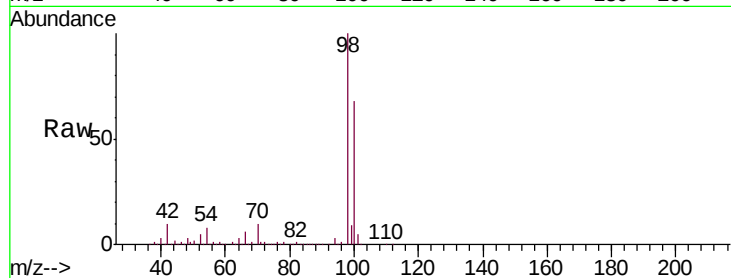
VW1108SBL01

Tgt Ion: 98 Resp: 512035

Ion Ratio Lower Upper

98 100

100 67.3 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 49.185 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013937.D

Acq: 08 Nov 2019 11:56

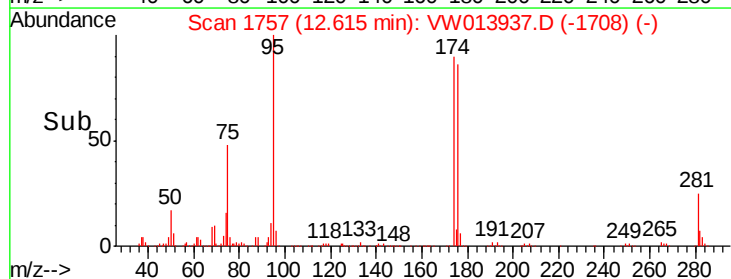
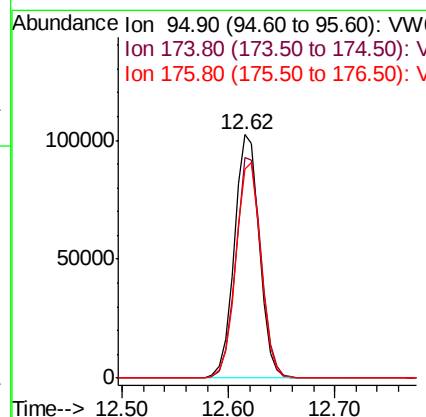
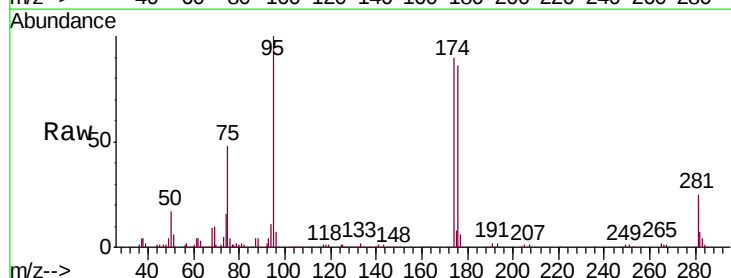
Tgt Ion: 95 Resp: 168641

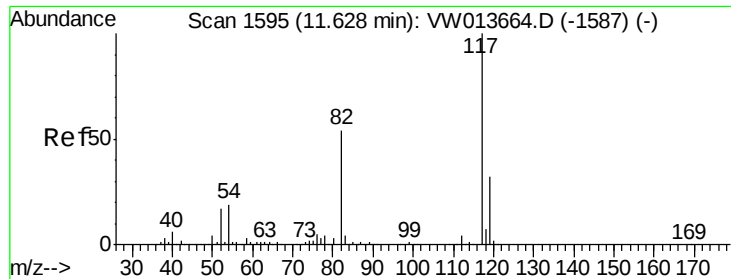
Ion Ratio Lower Upper

95 100

174 91.6 0.0 183.6

176 88.8 0.0 178.0

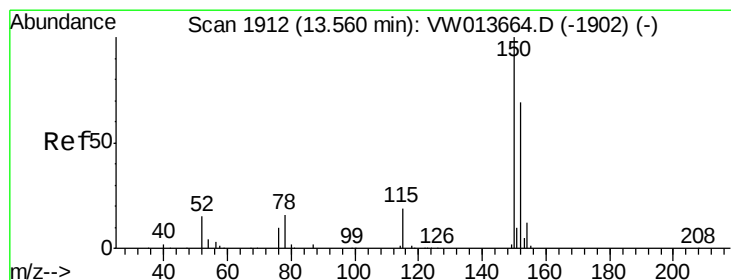
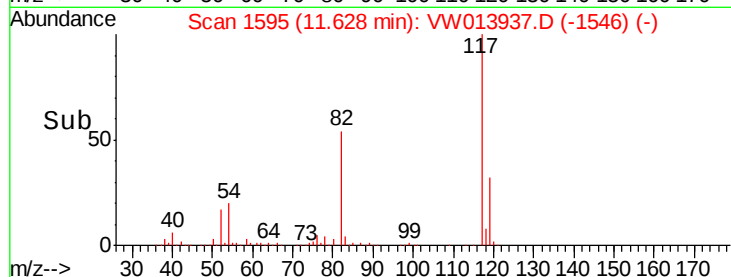
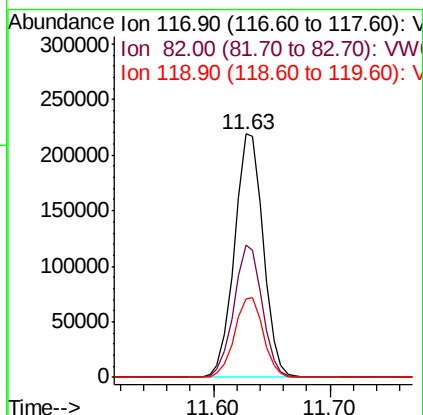
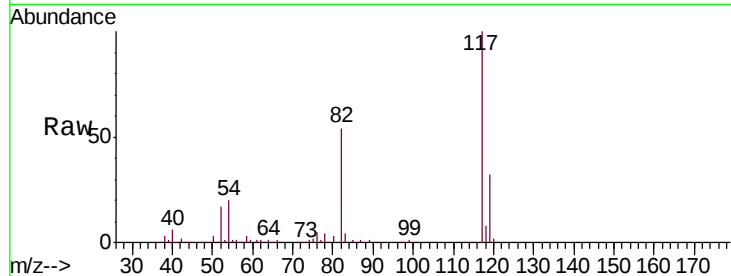




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013937.D
Acq: 08 Nov 2019 11:56

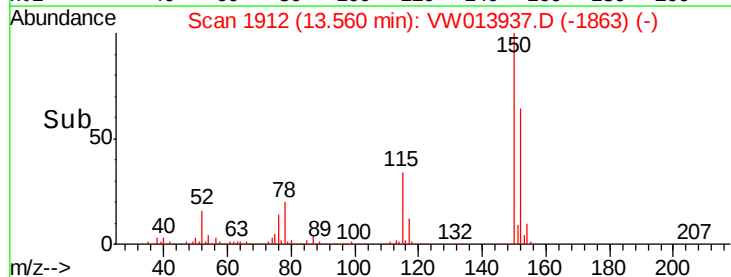
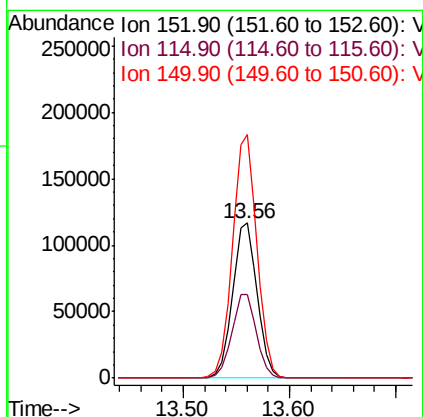
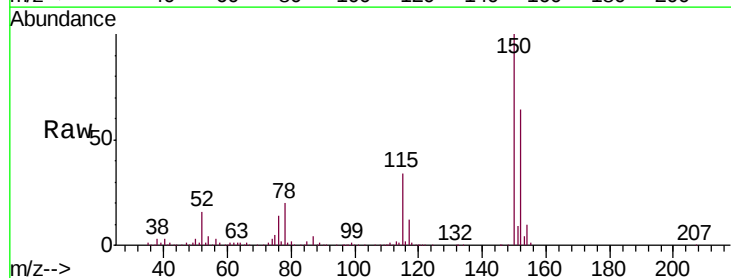
Instrument :
MSVOA_W
ClientSampleId :
VW1108SBL01

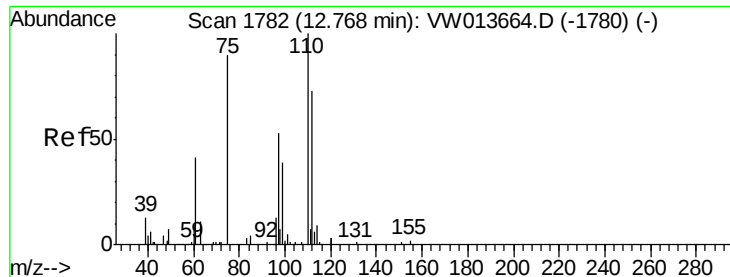
Tgt Ion:117 Resp: 377874
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013937.D
Acq: 08 Nov 2019 11:56

Tgt Ion:152 Resp: 187457
Ion Ratio Lower Upper
152 100
115 54.3 27.4 82.2
150 156.3 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 58.999 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013937.D

Acq: 08 Nov 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

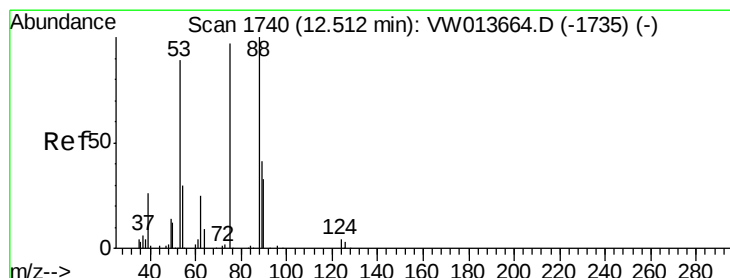
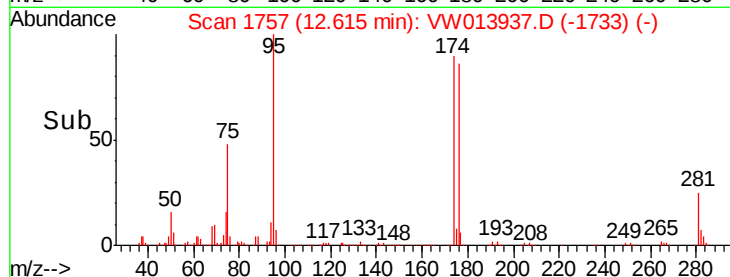
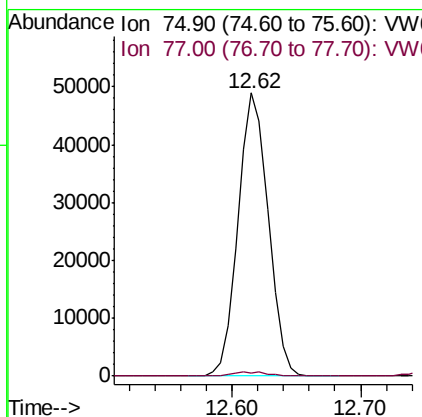
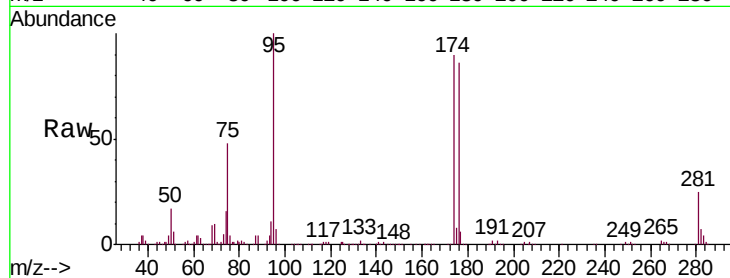
VW1108SBL01

Tgt Ion: 75 Resp: 79425

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.500 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013937.D

Acq: 08 Nov 2019 11:56

Tgt Ion: 75 Resp: 79425

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.2 35.8 53.8#

