

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011019\
 Data File : VW008188.D
 Acq On : 11 Jan 2019 10:26
 Operator : SY/AP
 Sample : K1102-07
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-14(10-15)

Quant Time: Jan 11 11:18:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	94425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	158817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	137831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	55495	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	53017	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.88	113	51241	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
50) Toluene-d8	10.32	98	201601	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.62	95	60810	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	

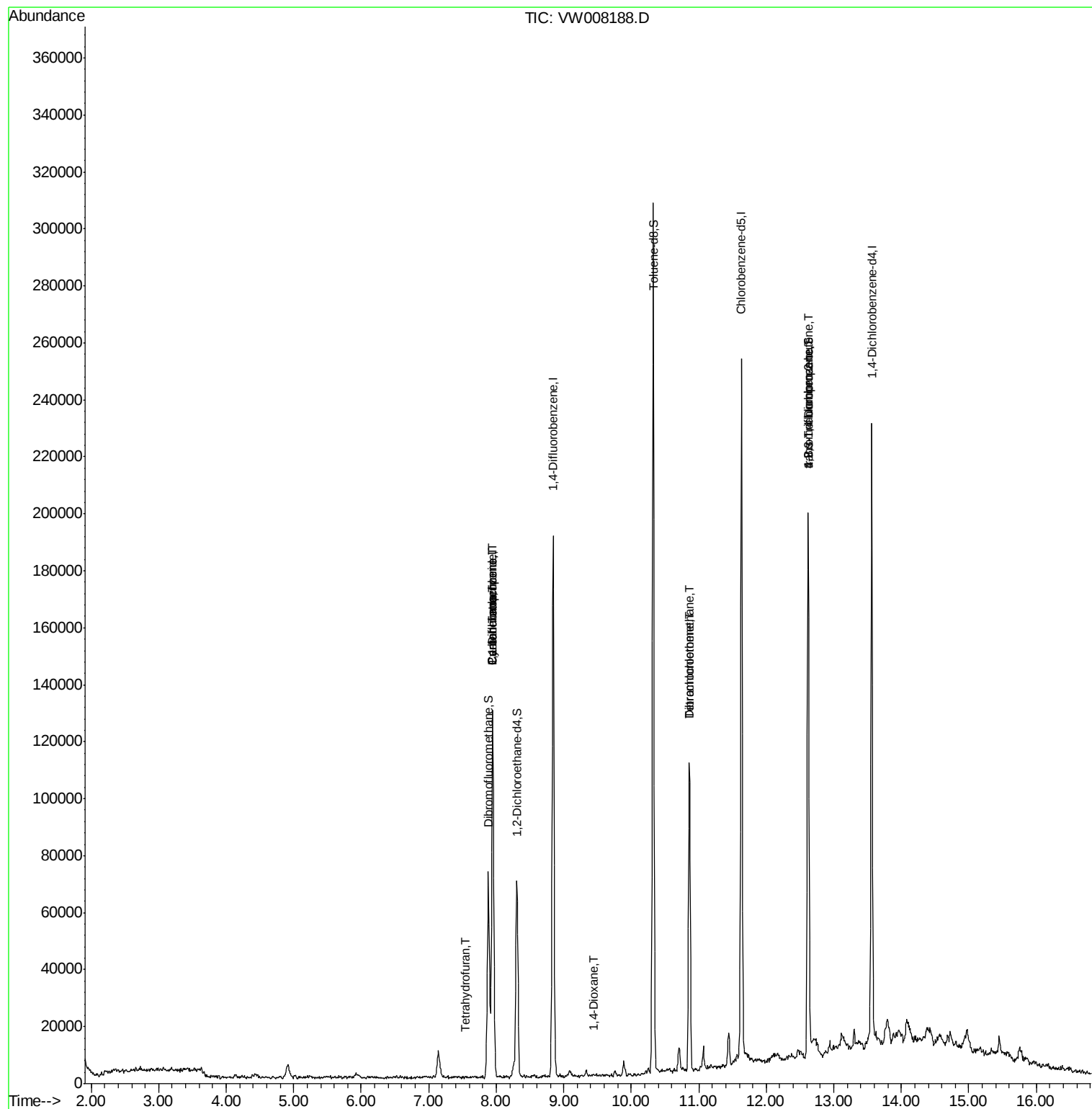
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	19	Below Cal	#	100
13) Acrolein	3.88	56	54	Below Cal	#	82
16) Acetone	4.13	43	1570	Below Cal		90
20) Methylene Chloride	4.92	84	3554	Below Cal		94
29) Tetrahydrofuran	7.53	42	262	1.328	ug/l #	54
31) Cyclohexane	7.95	56	2313	1.036	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8284	5.064	ug/l #	52
38) Carbon Tetrachloride	7.95	117	9816	6.555	ug/l #	16
49) 1,4-Dioxane	9.45	88	20	2.302	ug/l #	1
60) Dibromochloromethane	10.86	129	21698	26.046	ug/l #	11
64) Tetrachloroethene	10.86	164	24275	27.062	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	29803	58.911	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	29803	137.186	ug/l #	10

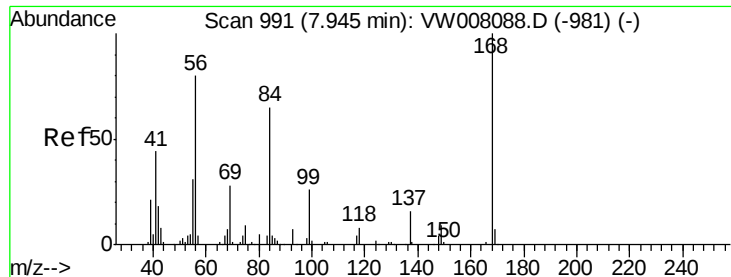
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW011019\
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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: VW008188.D

Acq: 11 Jan 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

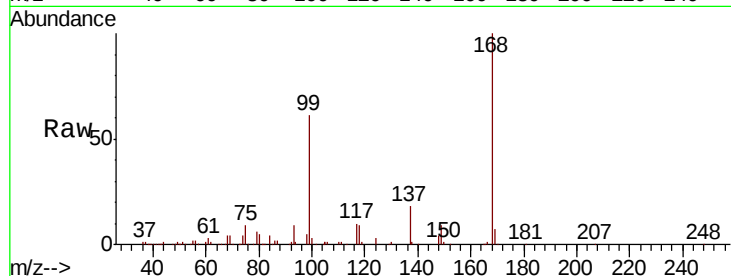
CPSB-14(10-15)

Tgt Ion:168 Resp: 94425

Ion Ratio Lower Upper

168 100

99 61.3 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

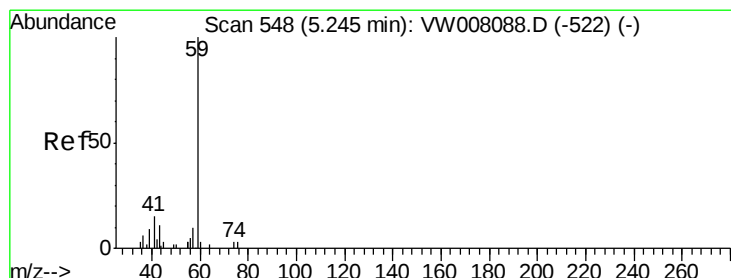
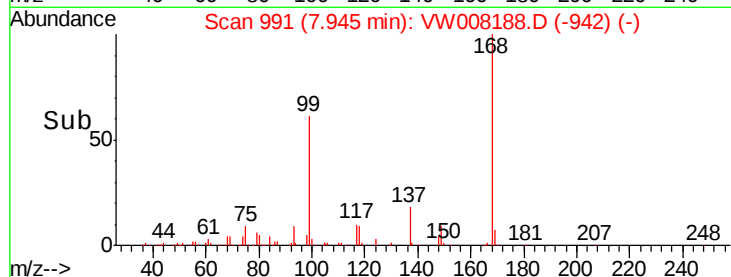
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW008188.D

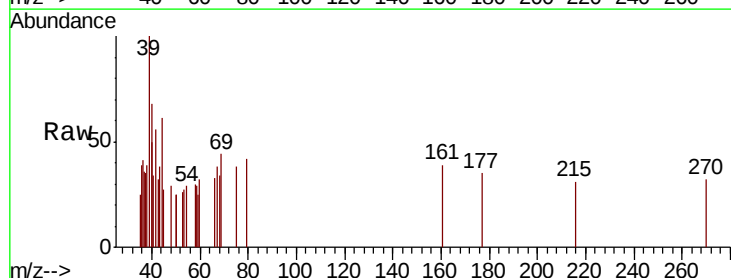
Acq: 11 Jan 2019 10:26

Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

59 100

57 115.8 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.24

60

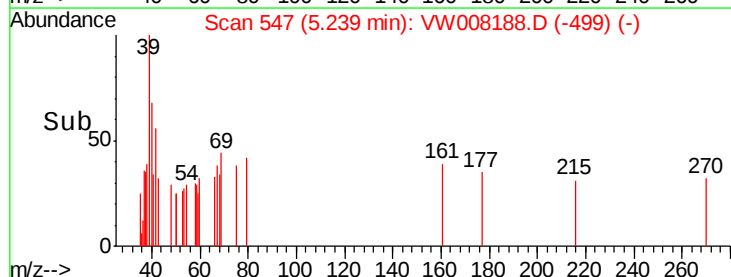
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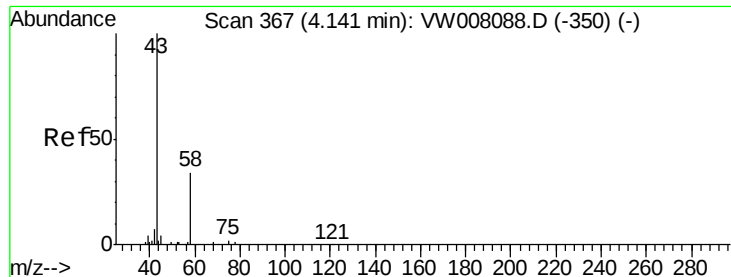
20

0

5.23 5.24 5.24 5.25

Time-->

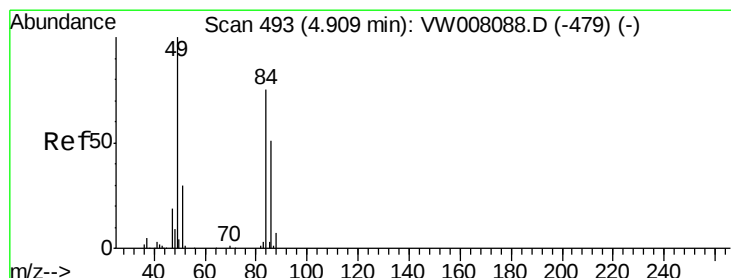
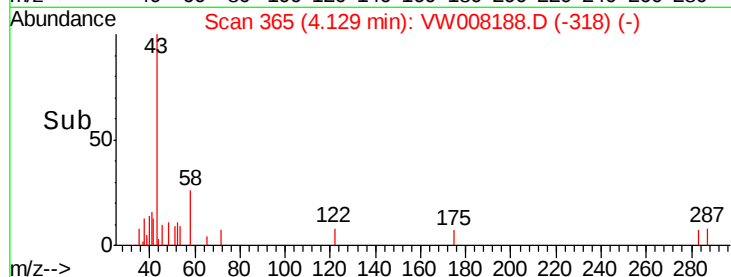
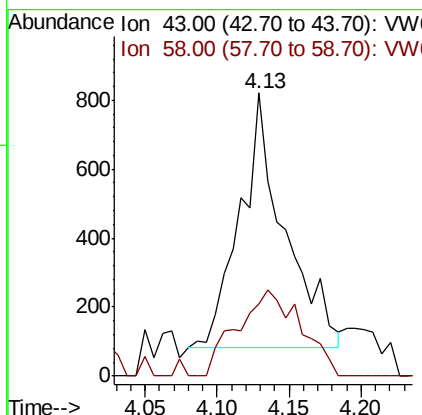
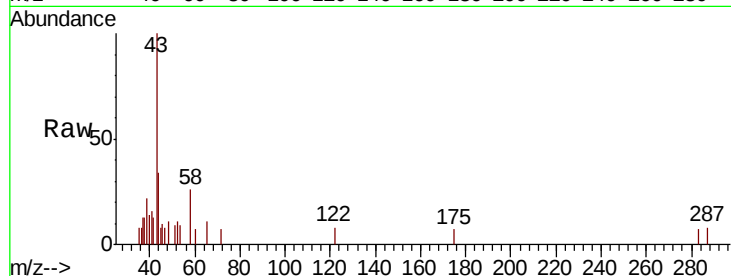




#16
Acetone
Concen: Below Cal
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW008188.D
Acq: 11 Jan 2019 10:26

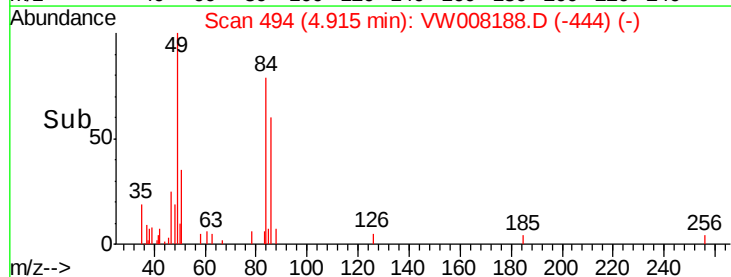
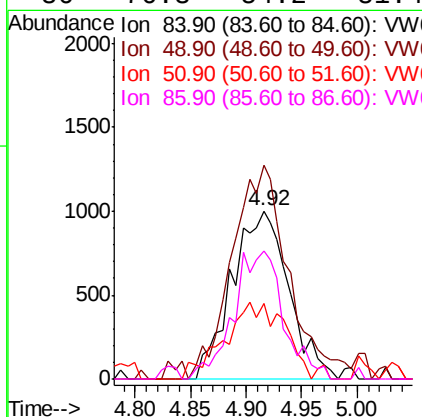
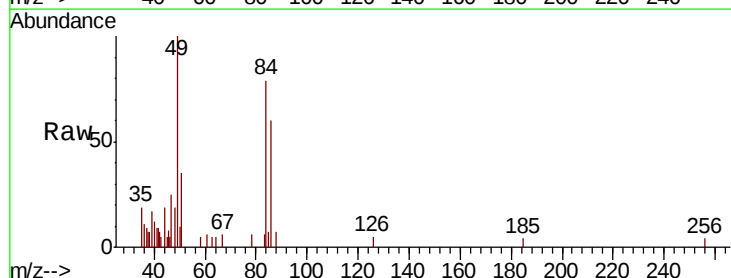
Instrument :
MSVOA_W
ClientSampleId :
CPSB-14(10-15)

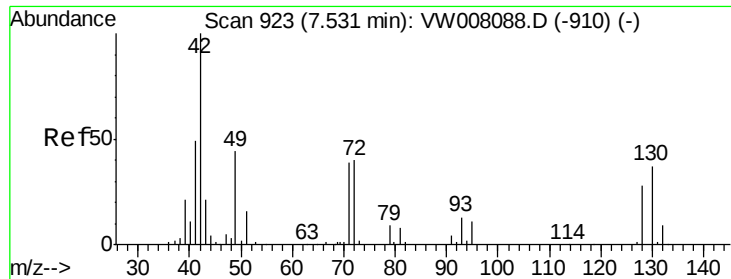
Tgt Ion: 43 Resp: 1570
Ion Ratio Lower Upper
43 100
58 28.5 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008188.D
Acq: 11 Jan 2019 10:26

Tgt Ion: 84 Resp: 3554
Ion Ratio Lower Upper
84 100
49 127.0 107.1 160.7
51 39.5 32.4 48.6
86 76.3 54.2 81.4

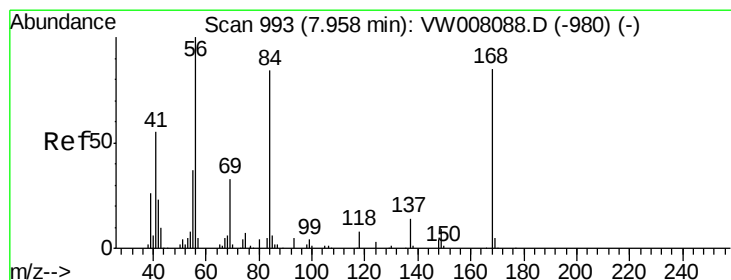
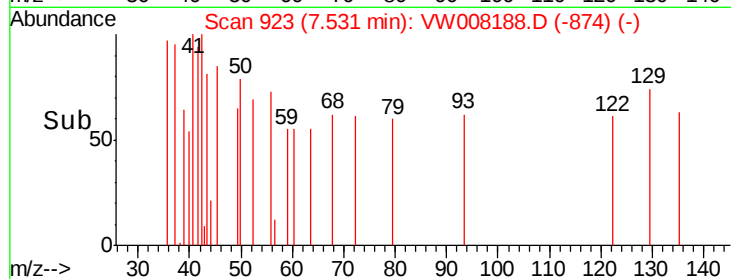
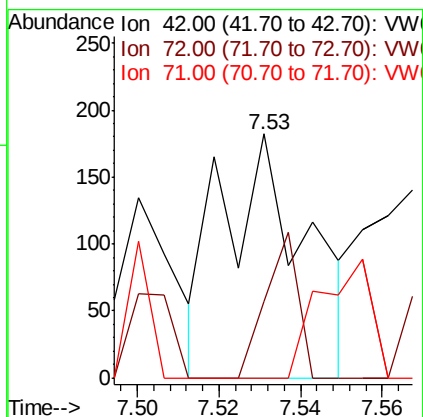
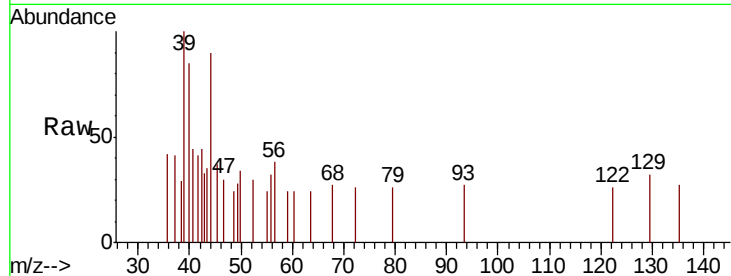




#29
Tetrahydrofuran
Concen: 1.328 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008188.D
Acq: 11 Jan 2019 10:26

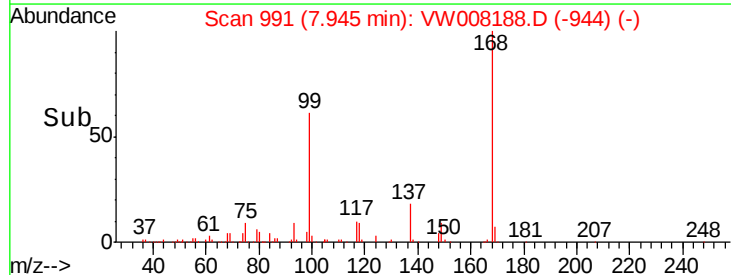
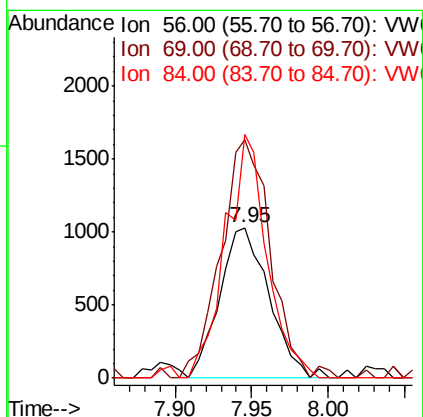
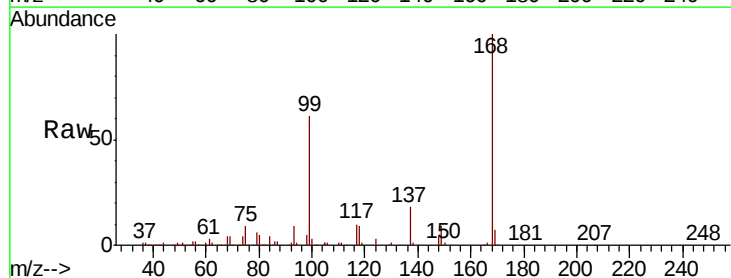
Instrument :
MSVOA_W
ClientSampleId :
CPSB-14(10-15)

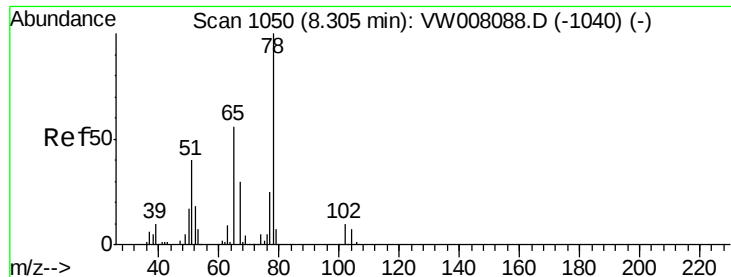
Tgt Ion: 42 Resp: 262
Ion Ratio Lower Upper
42 100
72 23.3 32.4 48.6#
71 0.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.036 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008188.D
Acq: 11 Jan 2019 10:26

Tgt Ion: 56 Resp: 2313
Ion Ratio Lower Upper
56 100
69 158.6 26.2 39.4#
84 161.8 67.4 101.2#

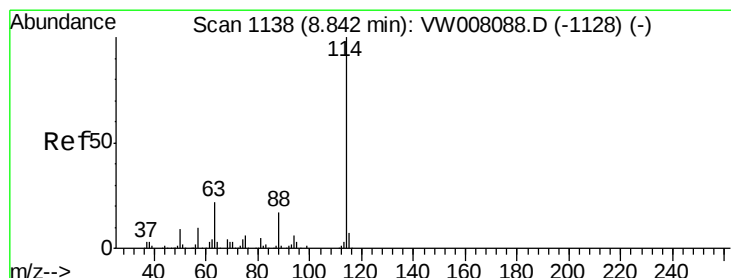
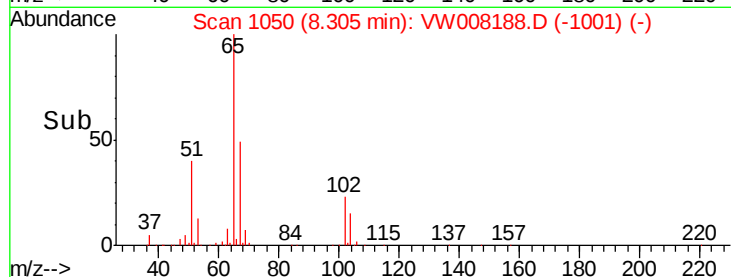
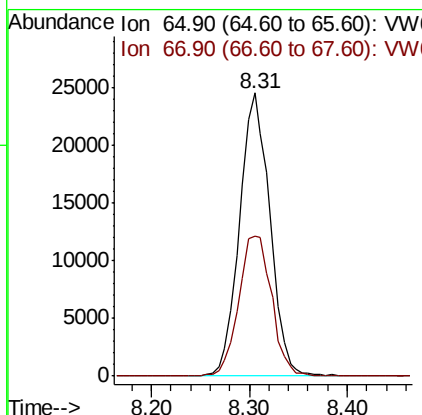
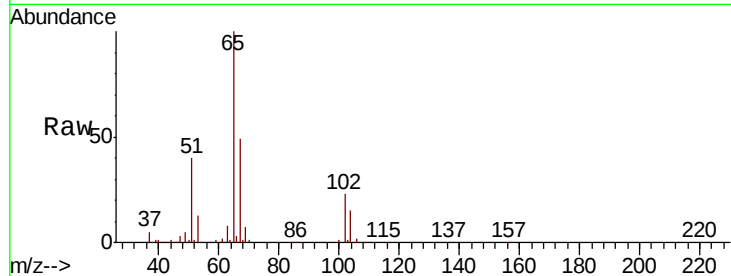




#33
 1,2-Dichloroethane-d4
 Concen: 49.957 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008188.D
 Acq: 11 Jan 2019 10:26

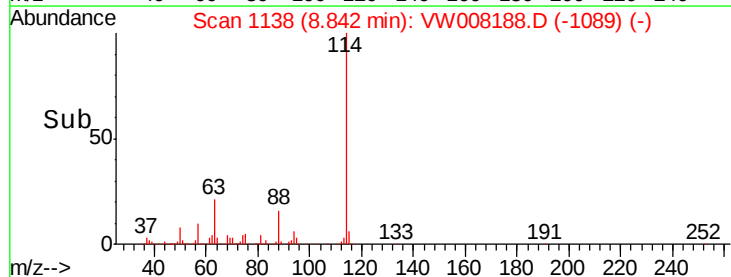
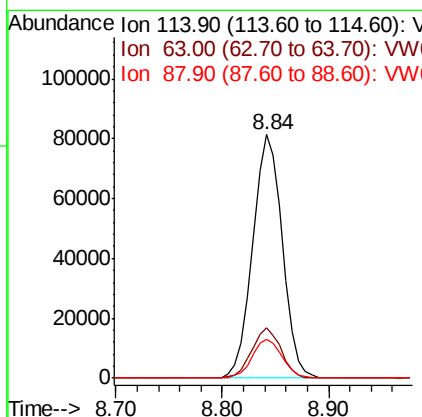
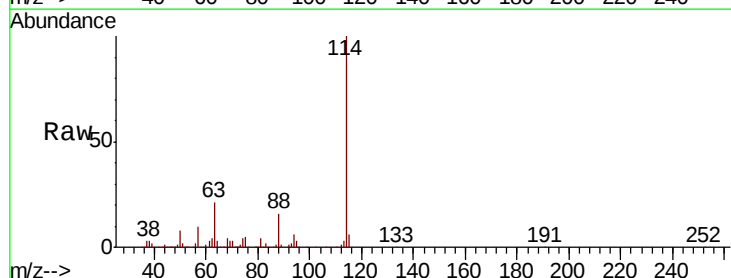
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-14(10-15)

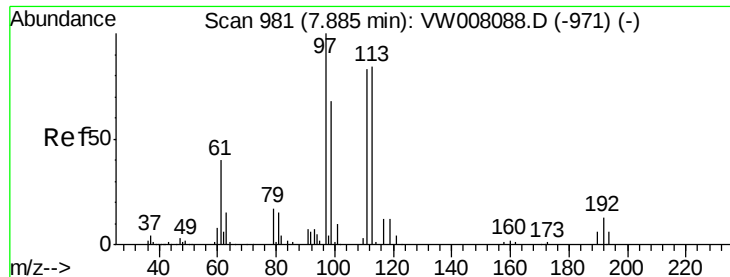
Tgt Ion: 65 Resp: 53017
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008188.D
 Acq: 11 Jan 2019 10:26

Tgt Ion: 114 Resp: 158817
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.4
 88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 55.319 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008188.D

Acq: 11 Jan 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
CPSB-14(10-15)

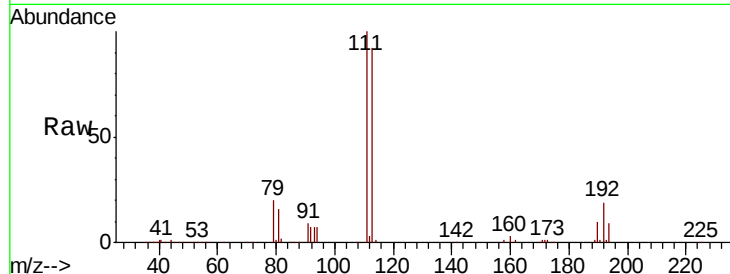
Tgt Ion:113 Resp: 51241

Ion Ratio Lower Upper

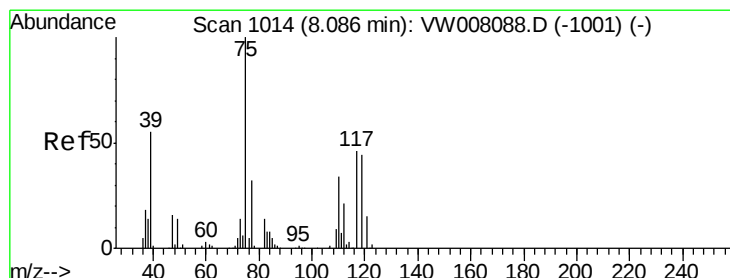
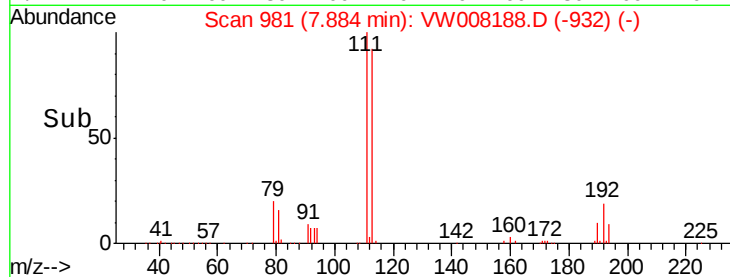
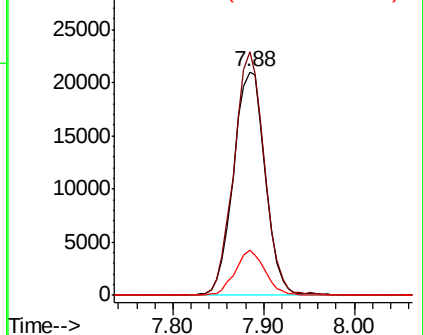
113 100

111 104.0 81.8 122.8

192 18.9 12.8 19.2



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: 5.064 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008188.D

Acq: 11 Jan 2019 10:26

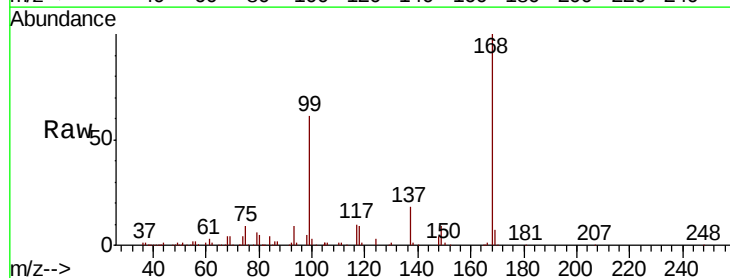
Tgt Ion: 75 Resp: 8284

Ion Ratio Lower Upper

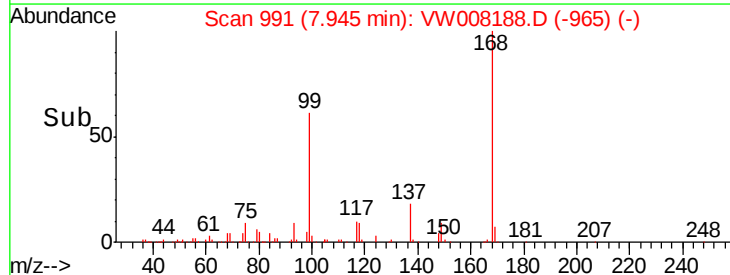
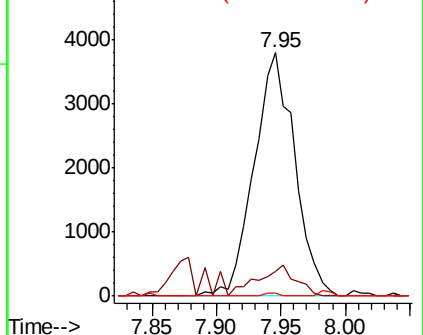
75 100

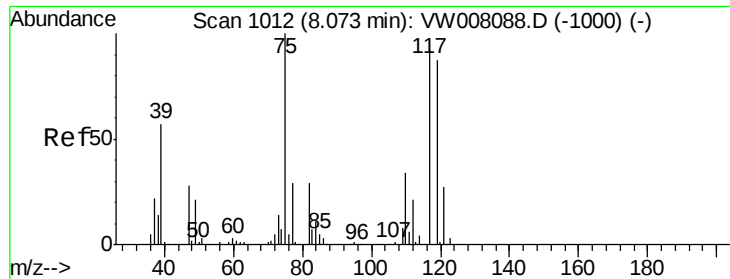
110 11.4 17.1 51.3#

77 0.5 25.5 38.3#



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

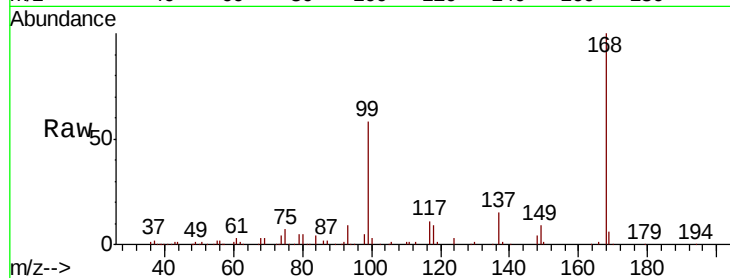




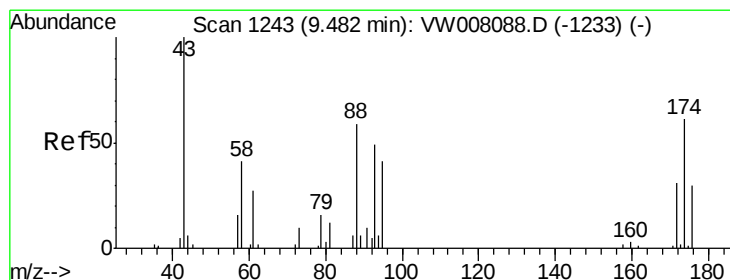
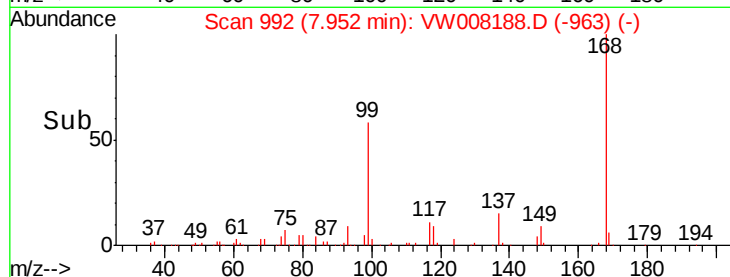
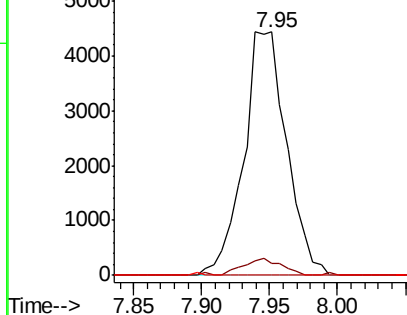
#38
Carbon Tetrachloride
Concen: 6.555 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008188.D
Acq: 11 Jan 2019 10:26

Instrument :
MSVOA_W
ClientSampleId :
CPSB-14(10-15)

Tgt Ion: 117 Resp: 9816
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 23.7 35.5#

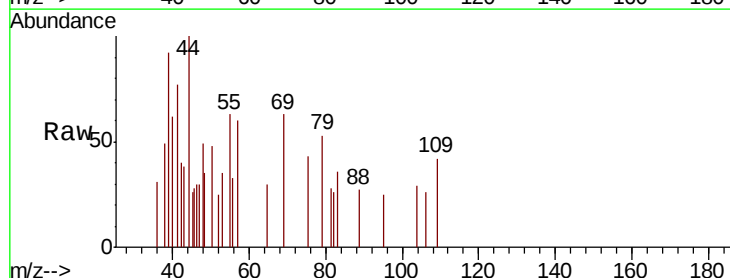


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

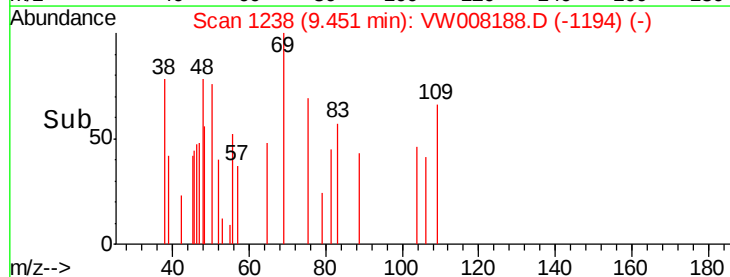
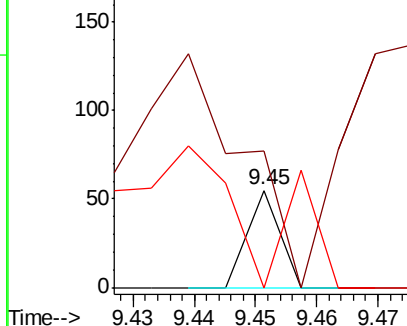


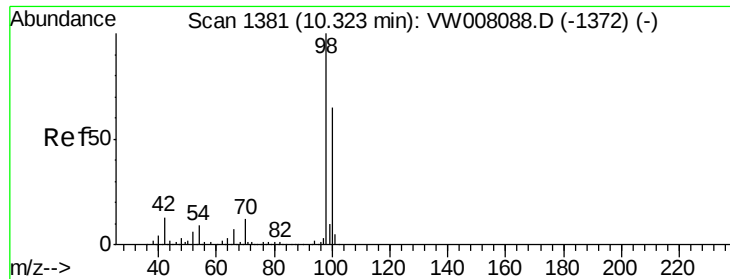
#49
1,4-Dioxane
Concen: 2.302 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VW008188.D
Acq: 11 Jan 2019 10:26

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 825.0 0.0 0.0#
58 580.0 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.865 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008188.D

Acq: 11 Jan 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

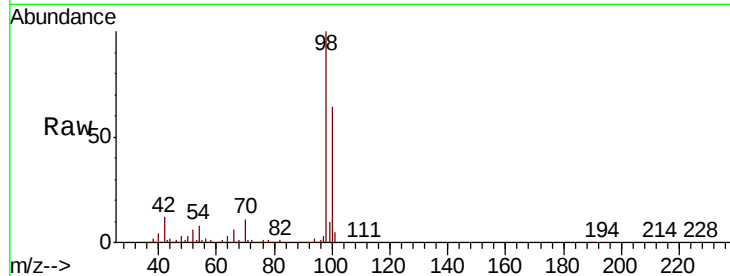
CPSB-14(10-15)

Tgt Ion: 98 Resp: 201601

Ion Ratio Lower Upper

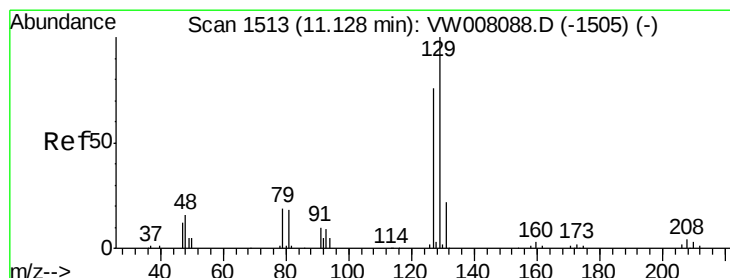
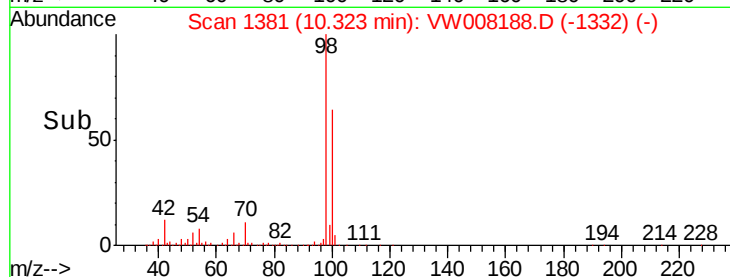
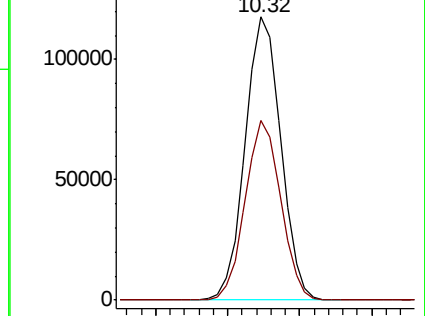
98 100

100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#60

Dibromochloromethane

Concen: 26.046 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW008188.D

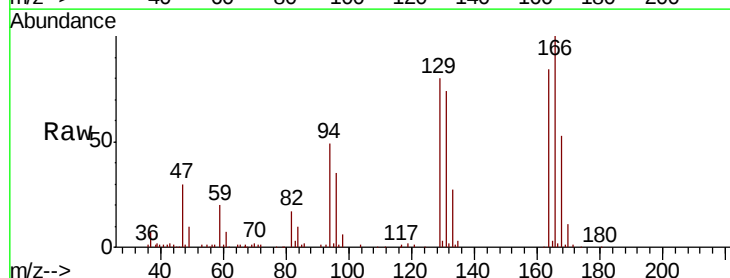
Acq: 11 Jan 2019 10:26

Tgt Ion: 129 Resp: 21698

Ion Ratio Lower Upper

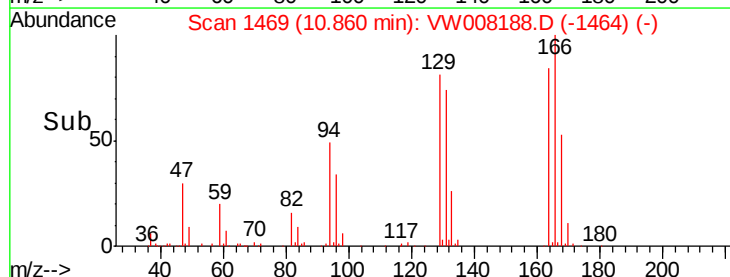
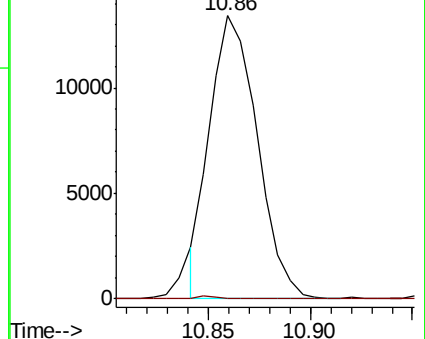
129 100

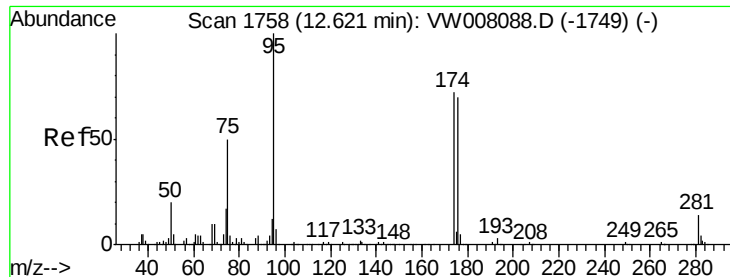
127 0.3 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 43.638 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008188.D

Acq: 11 Jan 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

CPSB-14(10-15)

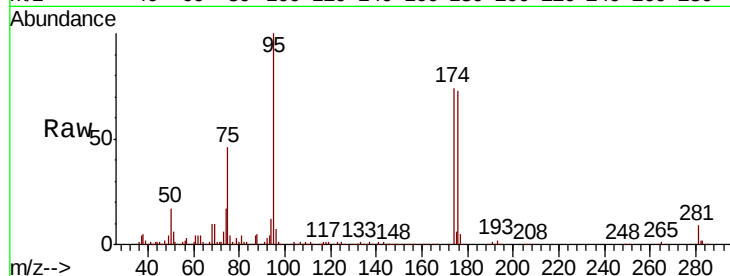
Tgt Ion: 95 Resp: 60810

Ion Ratio Lower Upper

95 100

174 75.8 0.0 143.0

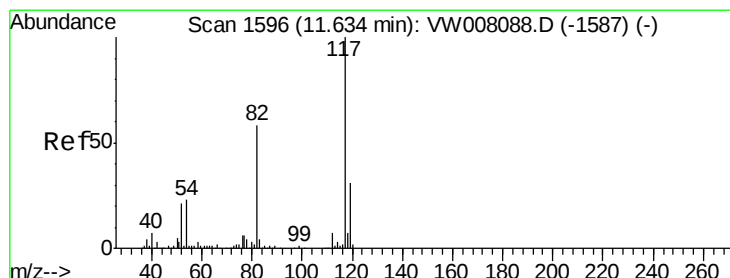
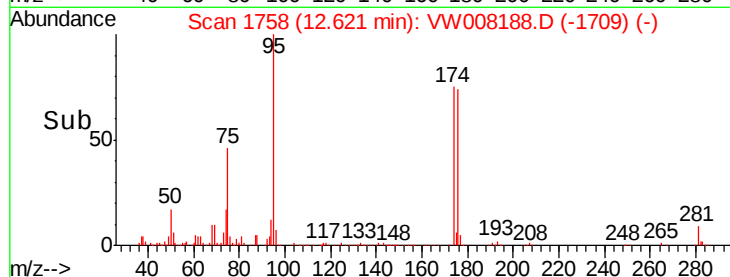
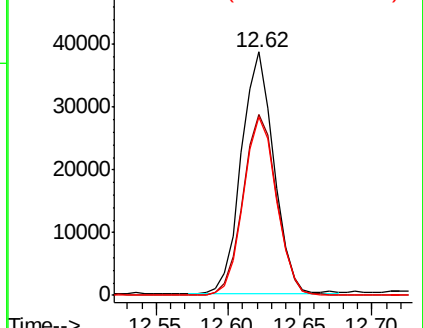
176 74.3 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008188.D

Acq: 11 Jan 2019 10:26

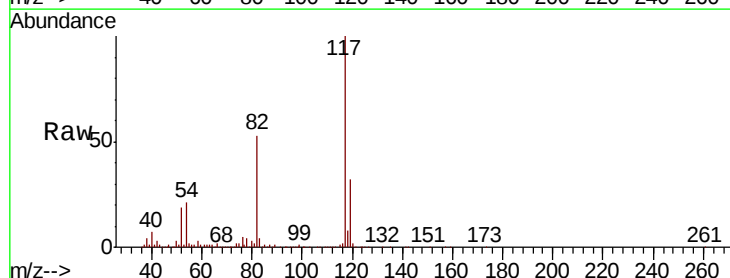
Tgt Ion: 117 Resp: 137831

Ion Ratio Lower Upper

117 100

82 53.1 46.4 69.6

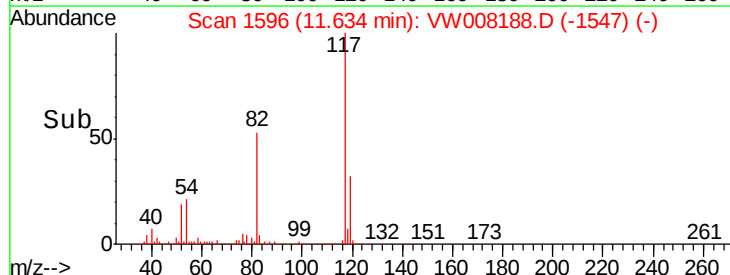
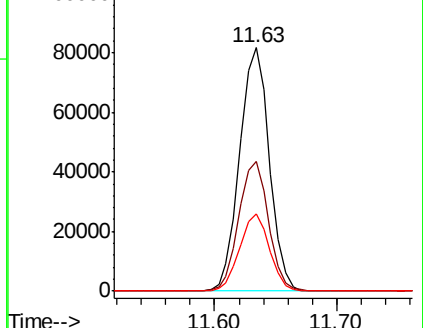
119 31.7 24.7 37.1

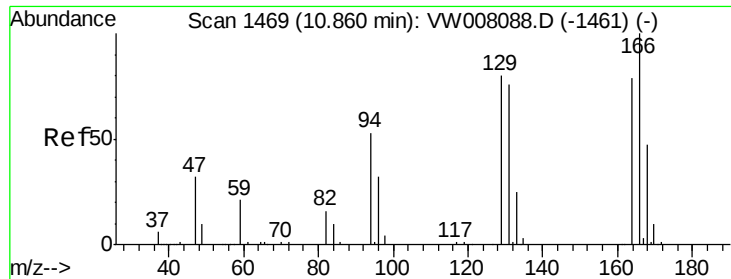


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 27.062 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW008188.D

Acq: 11 Jan 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

CPSB-14(10-15)

Tgt Ion:164 Resp: 24275

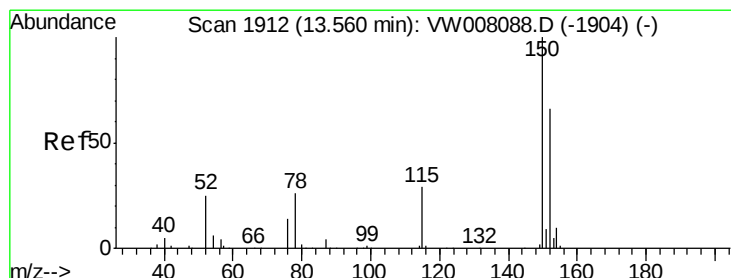
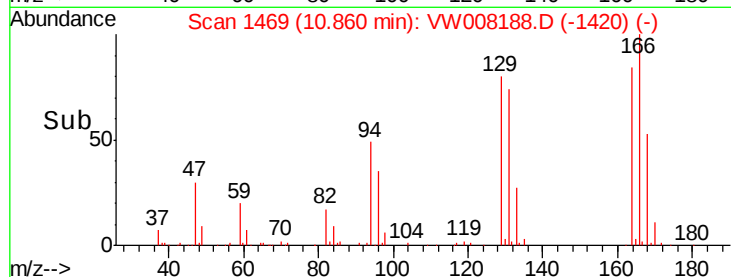
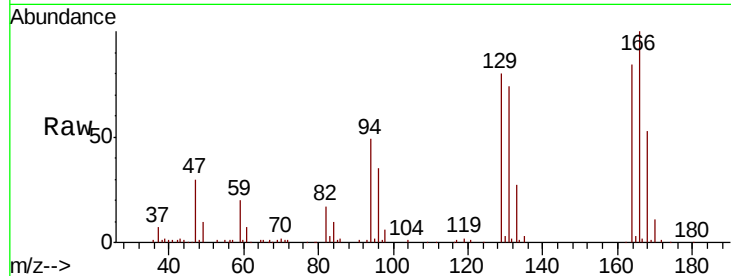
Ion Ratio Lower Upper

164 100

166 119.4 100.7 151.1

129 96.1 81.0 121.4

131 88.6 76.1 114.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008188.D

Acq: 11 Jan 2019 10:26

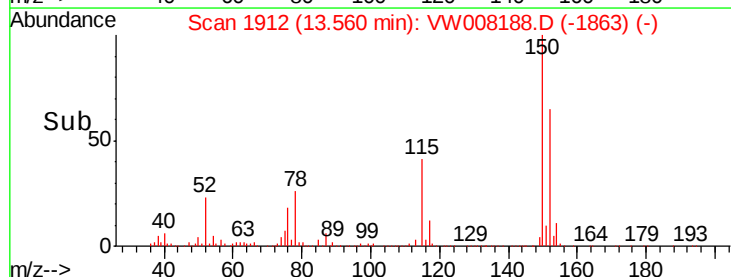
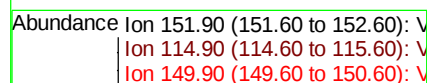
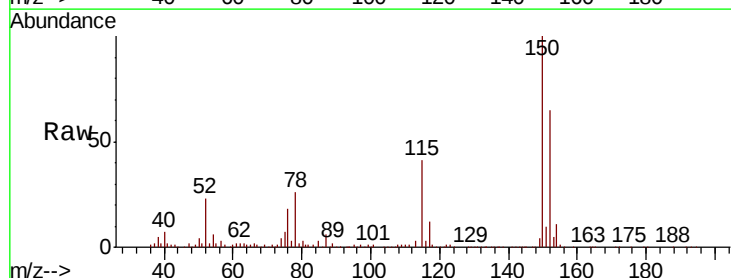
Tgt Ion:152 Resp: 55495

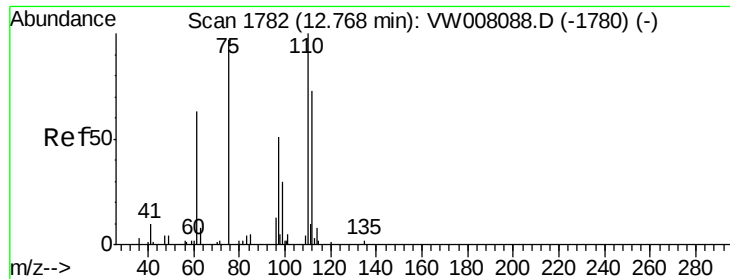
Ion Ratio Lower Upper

152 100

115 59.9 30.8 92.4

150 156.4 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 58.911 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008188.D

Acq: 11 Jan 2019 10:26

Instrument :

MSVOA_W

ClientSampleId :

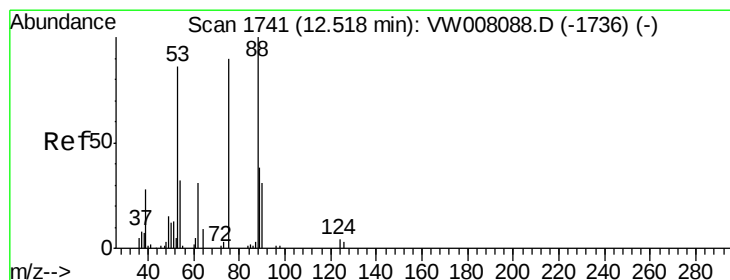
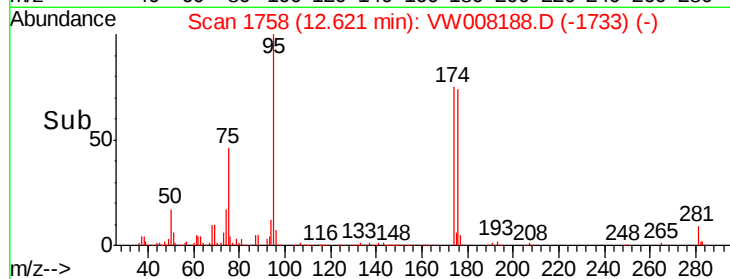
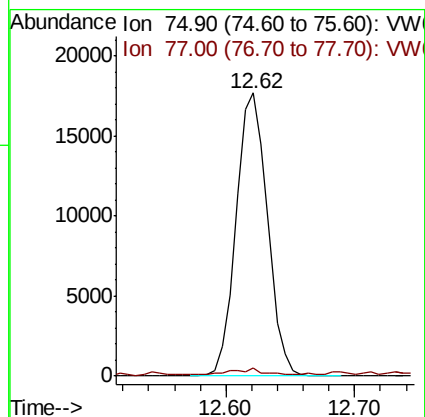
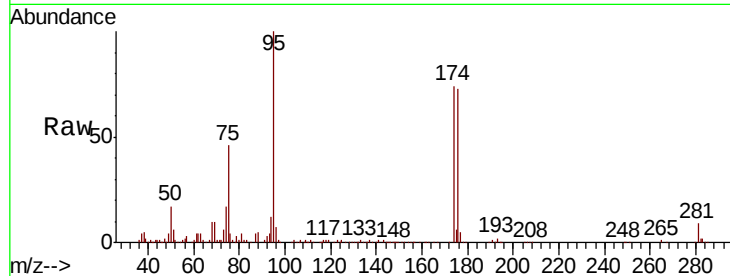
CPSB-14(10-15)

Tgt Ion: 75 Resp: 29803

Ion Ratio Lower Upper

75 100

77 2.4 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.186 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008188.D

Acq: 11 Jan 2019 10:26

Tgt Ion: 75 Resp: 29803

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.2 35.4 53.2#

