

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011019\
 Data File : VW008187.D
 Acq On : 11 Jan 2019 10:00
 Operator : SY/AP
 Sample : K1102-06
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-13(15-20)

Quant Time: Jan 11 11:18:43 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	95300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	162384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	137709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	54216	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	54987	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	7.88	113	50935	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
50) Toluene-d8	10.32	98	200957	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.62	95	60368	42.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.74%	

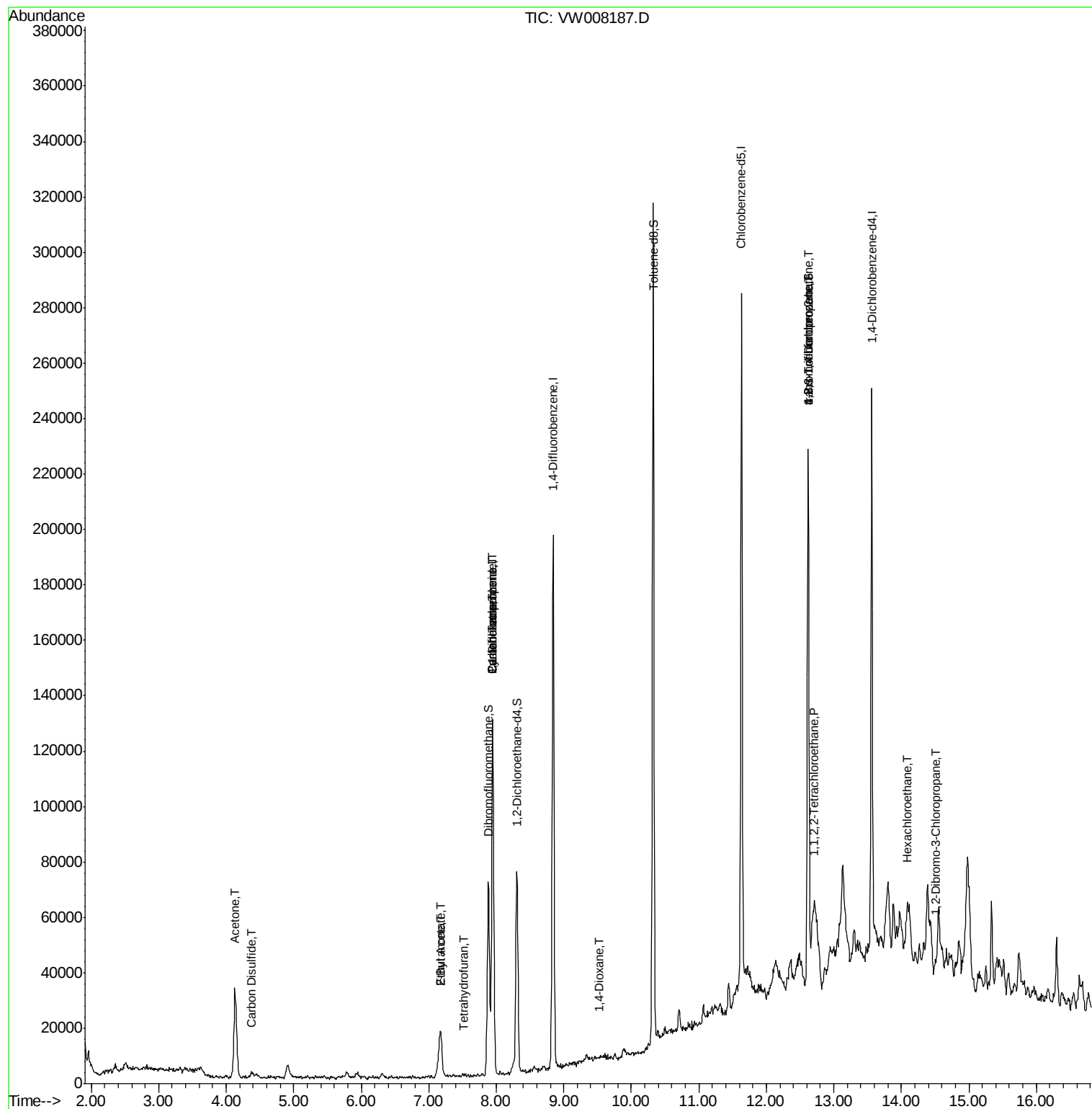
Target Compounds					Qvalue
11) Tert butyl alcohol	5.23	59	496	Below Cal	# 100
13) Acrolein	3.90	56	74	Below Cal	# 1
16) Acetone	4.13	43	59539	314.725	ug/l 98
17) Carbon Disulfide	4.37	76	3310	1.015	ug/l # 87
20) Methylene Chloride	4.91	84	3602	Below Cal	93
25) 2-Butanone	7.18	43	23913	80.242	ug/l 98
29) Tetrahydrofuran	7.51	42	319	1.602	ug/l # 60
31) Cyclohexane	7.95	56	2338	1.037	ug/l # 1
36) 1,1-Dichloropropene	7.95	75	7710	4.609	ug/l # 52
37) Ethyl Acetate	7.18	43	23913	35.684	ug/l # 69
38) Carbon Tetrachloride	7.95	117	9622	6.285	ug/l # 17
49) 1,4-Dioxane	9.52	88	48	5.403	ug/l # 11
75) 1,1,2,2-Tetrachloroethane	12.71	83	7470	10.964	ug/l # 30
76) 1,2,3-Trichloropropane	12.62	75	29537	59.763	ug/l # 1
81) trans-1,4-Dichloro-2-buten	12.62	75	29537	139.169	ug/l # 11
90) Hexachloroethane	14.08	117	835	1.263	ug/l # 17
92) 1,2-Dibromo-3-Chloropropan	14.50	75	157	1.432	ug/l # 41

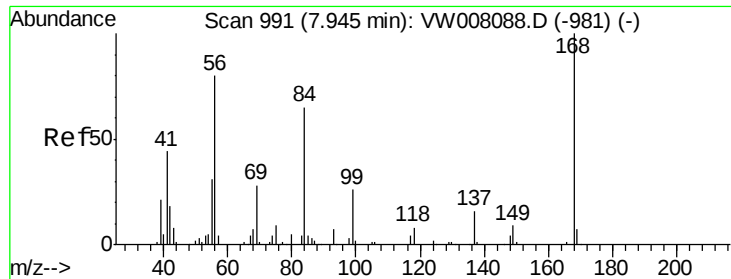
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VW008187.D

Acq: 11 Jan 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

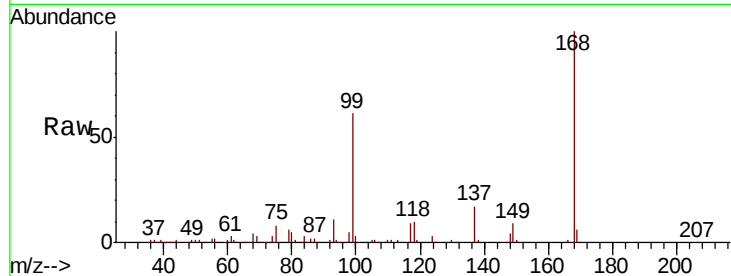
CPSB-13(15-20)

Tgt Ion:168 Resp: 95300

Ion Ratio Lower Upper

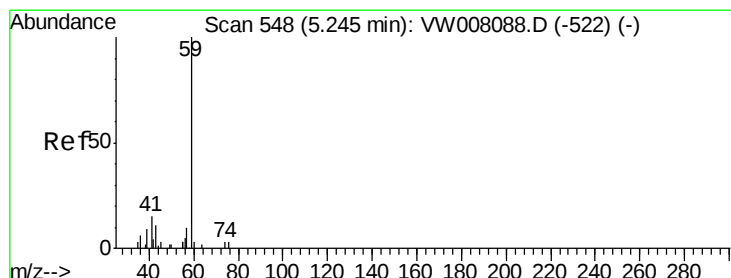
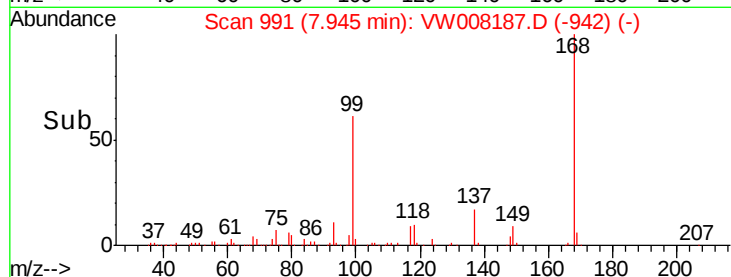
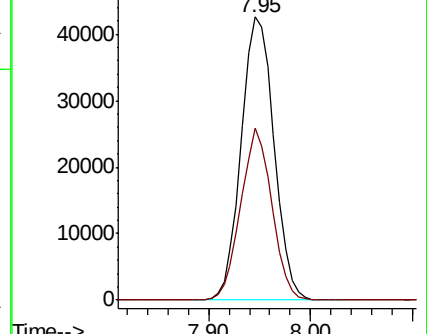
168 100

99 60.9 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 545

Delta R.T. -0.02 min

Lab File: VW008187.D

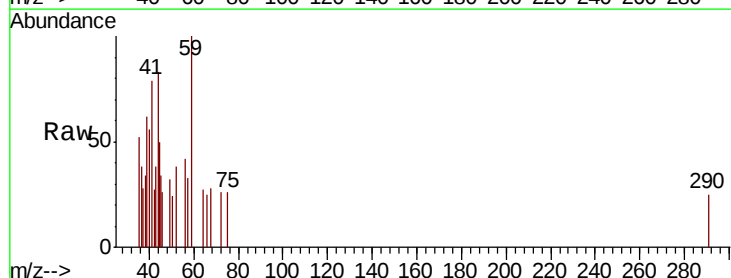
Acq: 11 Jan 2019 10:00

Tgt Ion: 59 Resp: 496

Ion Ratio Lower Upper

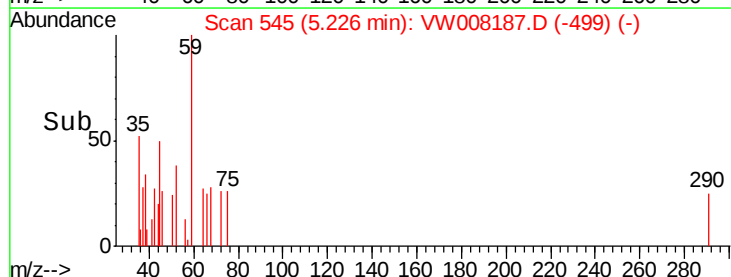
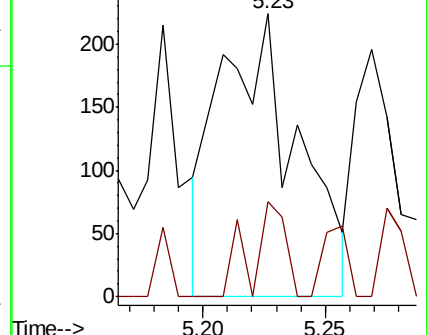
59 100

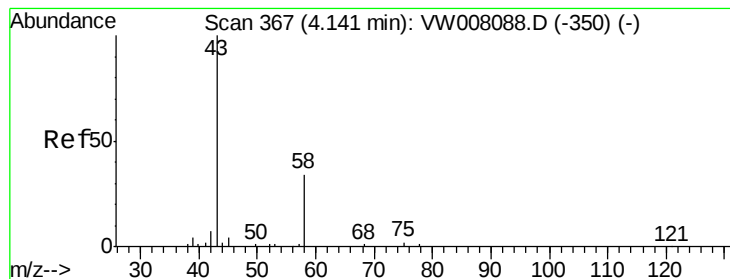
57 14.7 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 314.725 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

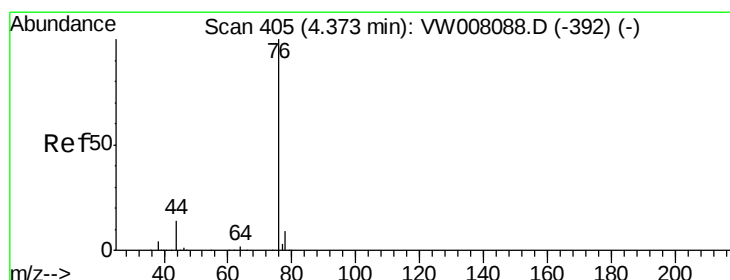
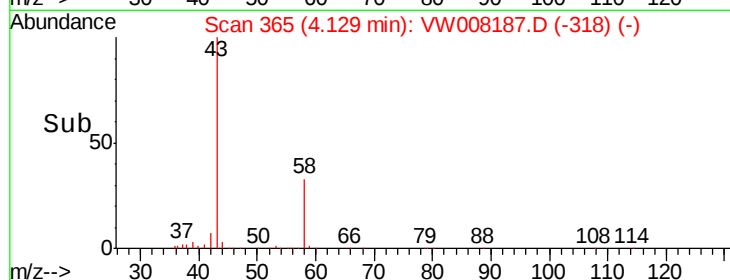
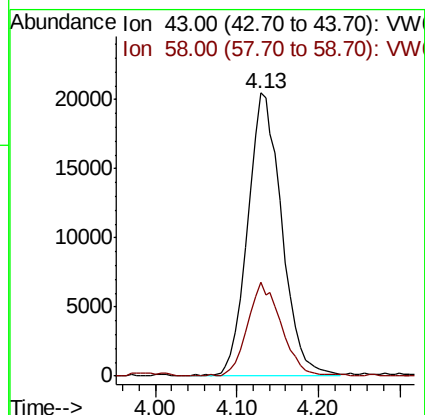
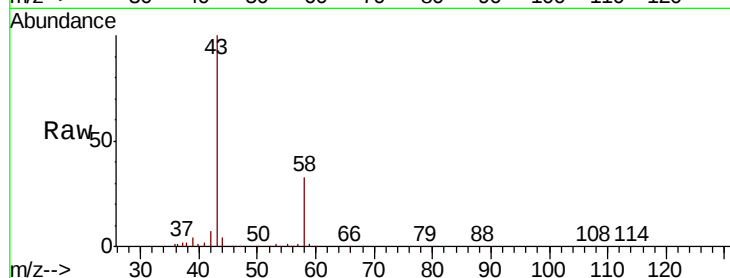
CPSB-13(15-20)

Tgt Ion: 43 Resp: 59539

Ion Ratio Lower Upper

43 100

58 33.3 27.5 41.3



#17

Carbon Disulfide

Concen: 1.015 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008187.D

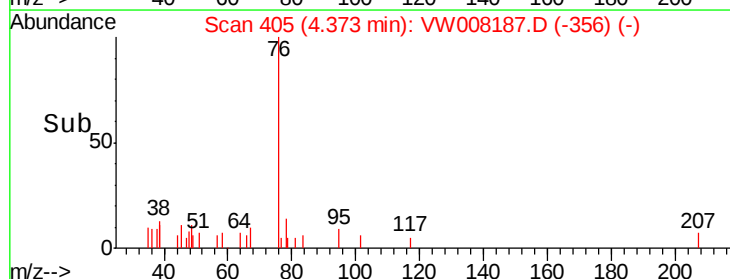
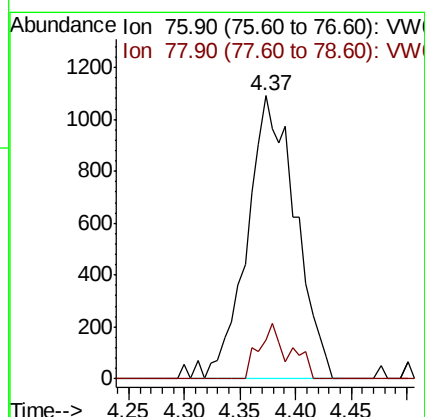
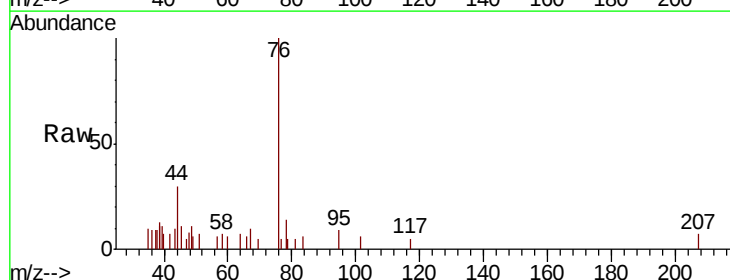
Acq: 11 Jan 2019 10:00

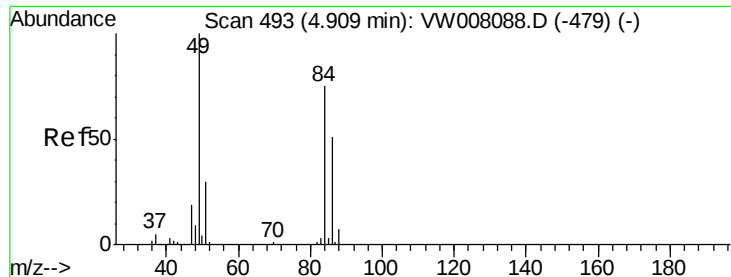
Tgt Ion: 76 Resp: 3310

Ion Ratio Lower Upper

76 100

78 13.7 7.0 10.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

CPSB-13(15-20)

Tgt Ion: 84 Resp: 3602

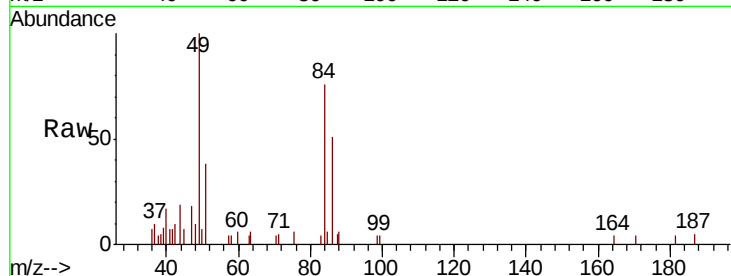
Ion Ratio Lower Upper

84 100

49 121.7 107.1 160.7

51 45.0 32.4 48.6

86 66.9 54.2 81.4

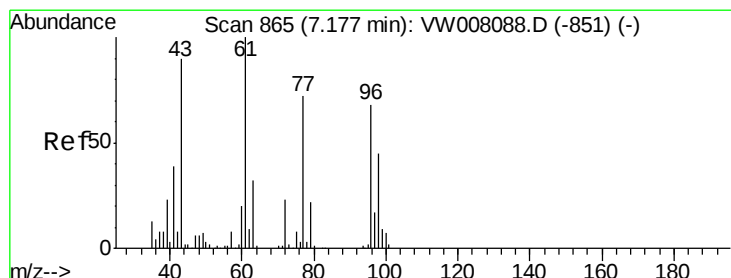
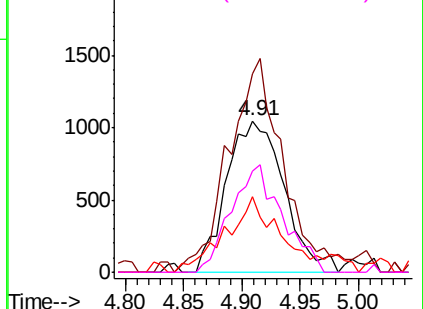
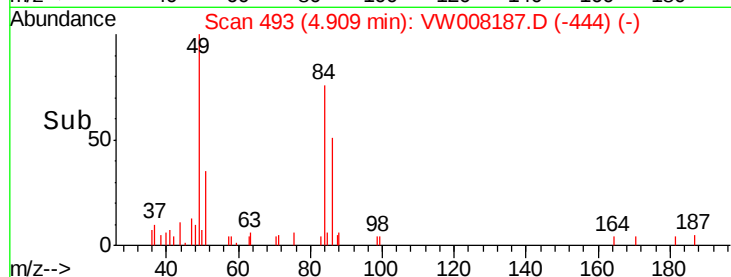


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 80.242 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008187.D

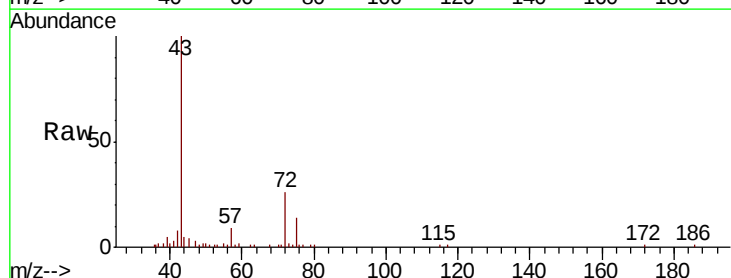
Acq: 11 Jan 2019 10:00

Tgt Ion: 43 Resp: 23913

Ion Ratio Lower Upper

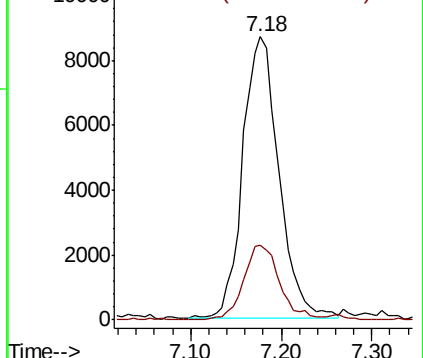
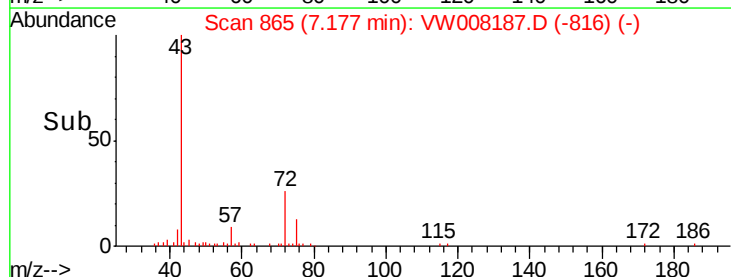
43 100

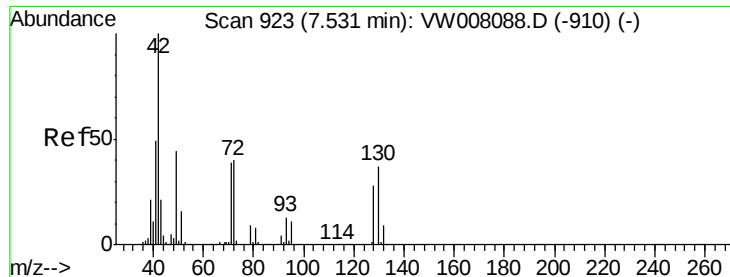
72 26.6 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

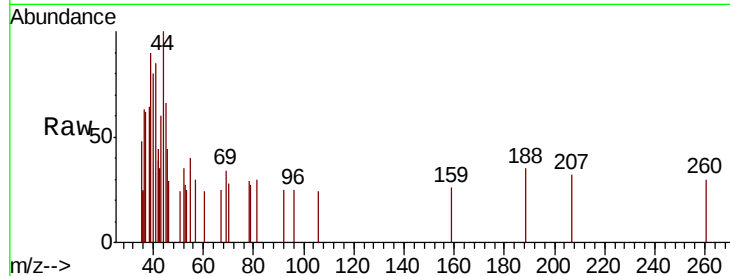




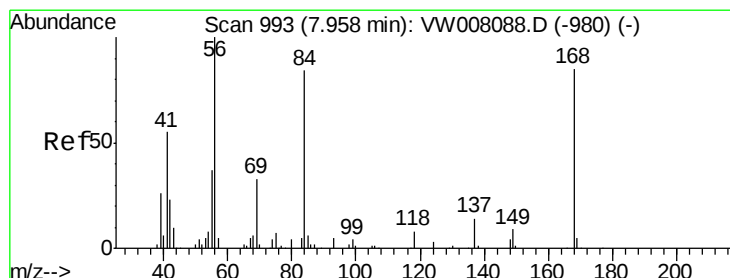
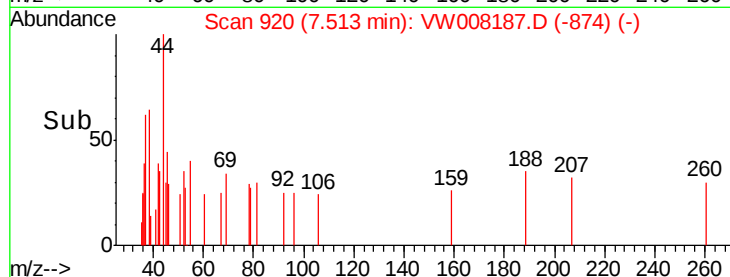
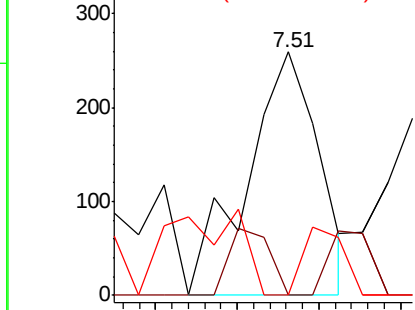
#29
Tetrahydrofuran
Concen: 1.602 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.02 min
Lab File: VW008187.D
Acq: 11 Jan 2019 10:00

Instrument :
MSVOA_W
ClientSampleId :
CPSB-13(15-20)

Tgt Ion: 42 Resp: 319
Ion Ratio Lower Upper
42 100
72 15.4 32.4 48.6#
71 15.4 31.3 46.9#

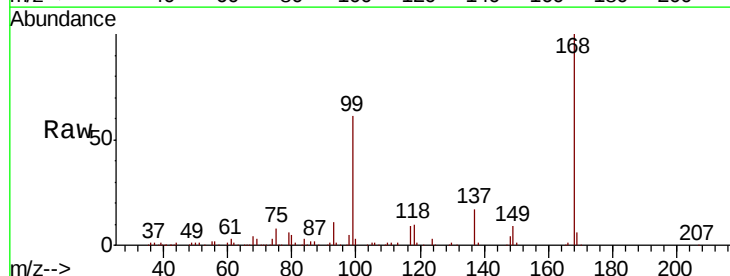


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

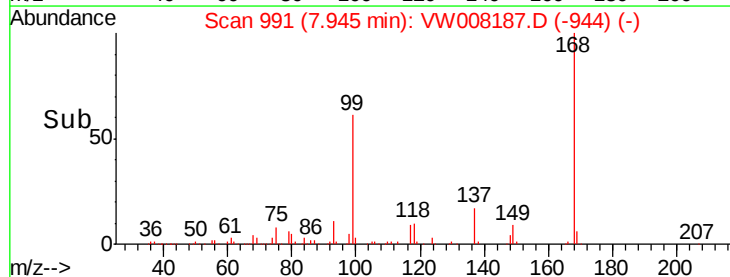
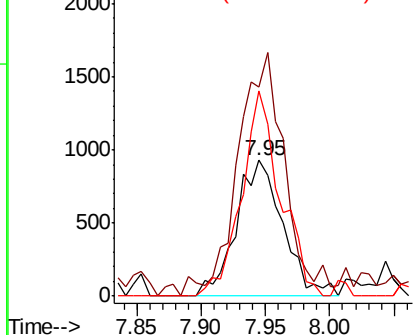


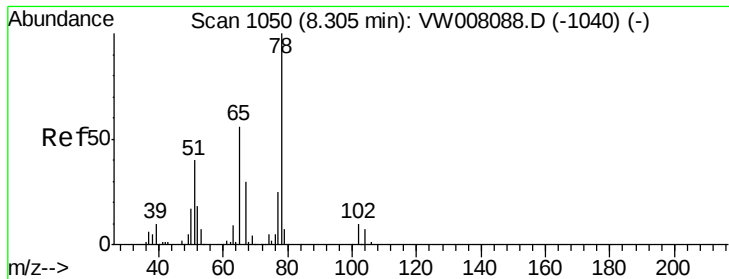
#31
Cyclohexane
Concen: 1.037 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008187.D
Acq: 11 Jan 2019 10:00

Tgt Ion: 56 Resp: 2338
Ion Ratio Lower Upper
56 100
69 145.5 26.2 39.4#
84 151.1 67.4 101.2#



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: 51.337 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

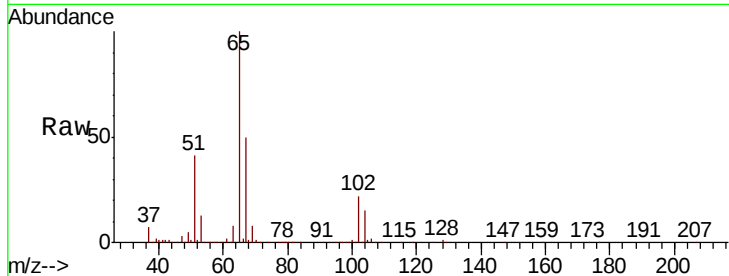
CPSB-13(15-20)

Tgt Ion: 65 Resp: 54987

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

25000

20000

15000

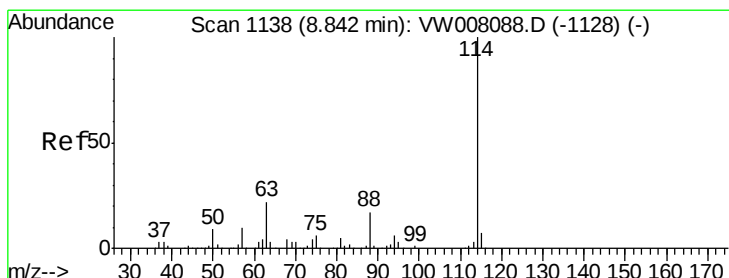
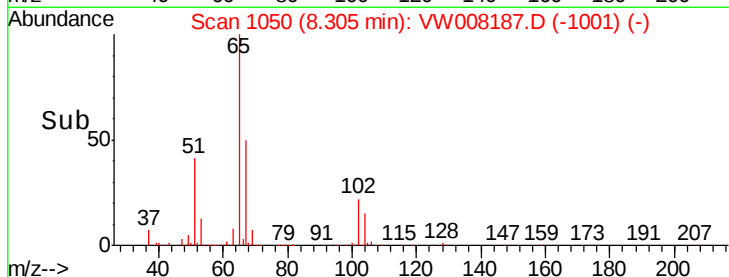
10000

5000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

Tgt Ion: 114 Resp: 162384

Ion Ratio Lower Upper

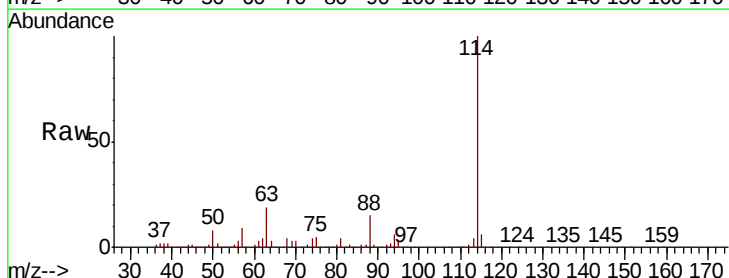
114 100

63 19.4

0.0 43.4

88 15.4

0.0 33.4



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

8.84

100000

80000

60000

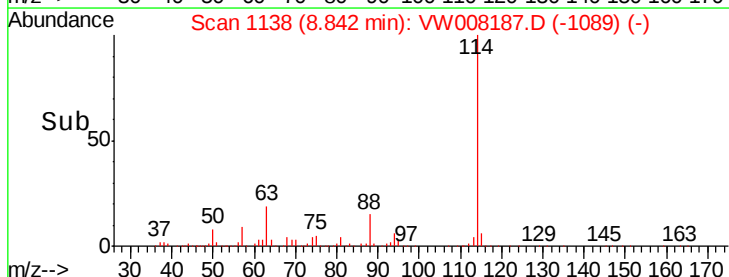
40000

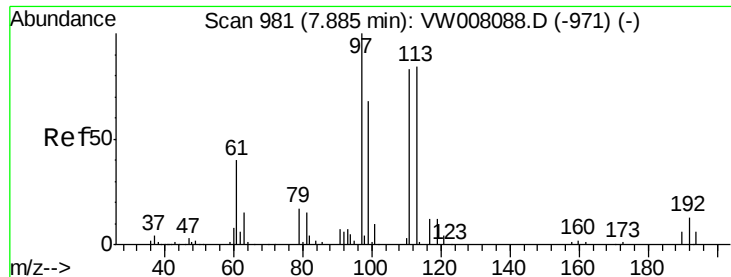
20000

0

8.75 8.80 8.85 8.90 8.95

Time-->





#35

Dibromofluoromethane

Concen: 53.781 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

Instrument :
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ClientSampleId :
CPSB-13(15-20)

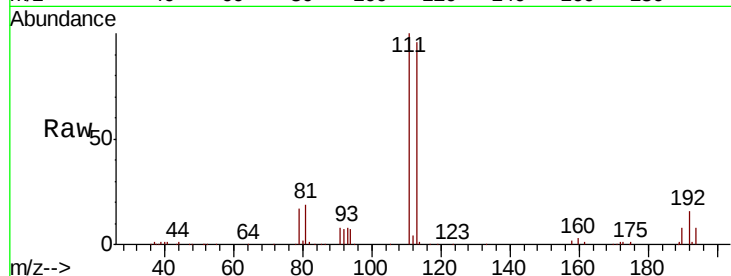
Tgt Ion:113 Resp: 50935

Ion Ratio Lower Upper

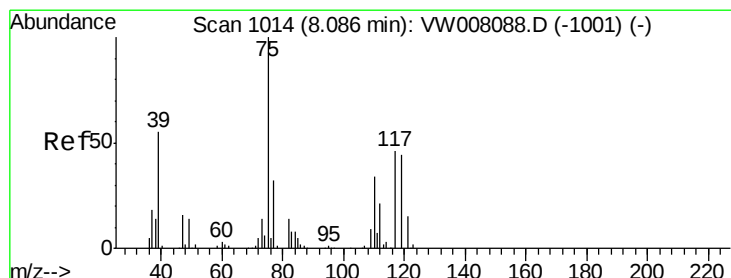
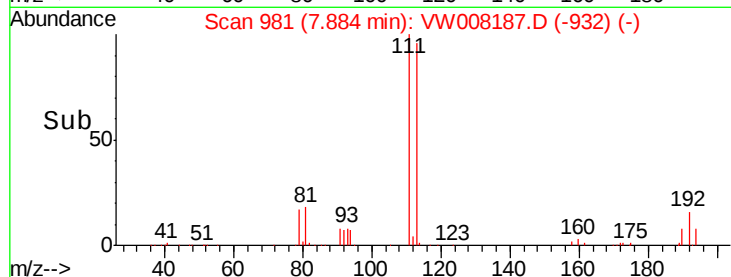
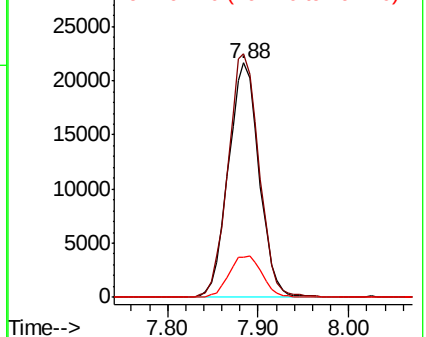
113 100

111 104.6 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: 4.609 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

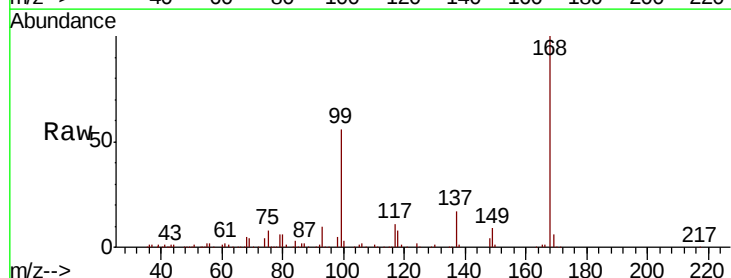
Tgt Ion: 75 Resp: 7710

Ion Ratio Lower Upper

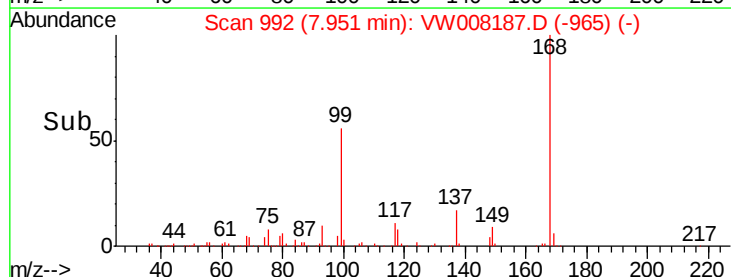
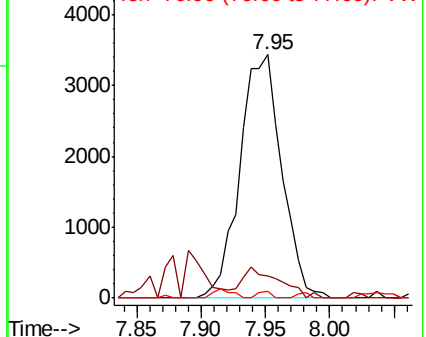
75 100

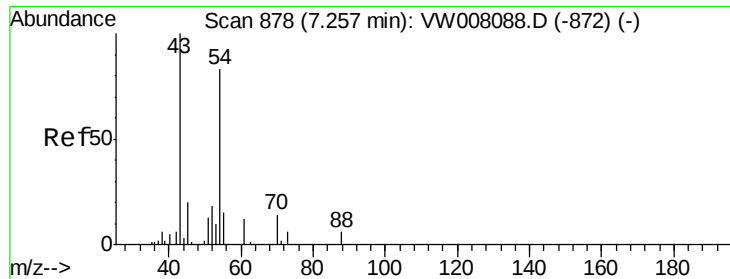
110 11.4 17.1 51.3#

77 0.0 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





#37

Ethyl Acetate

Concen: 35.684 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.08 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

Instrument :

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ClientSampleId :

CPSB-13(15-20)

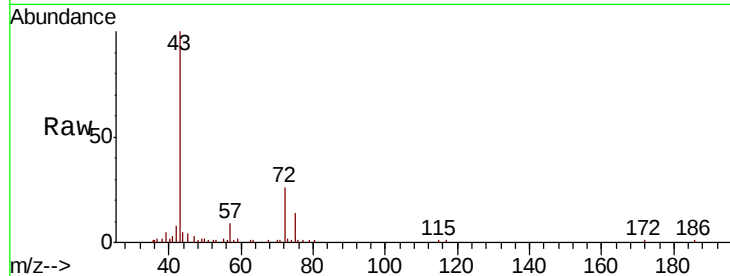
Tgt Ion: 43 Resp: 23913

Ion Ratio Lower Upper

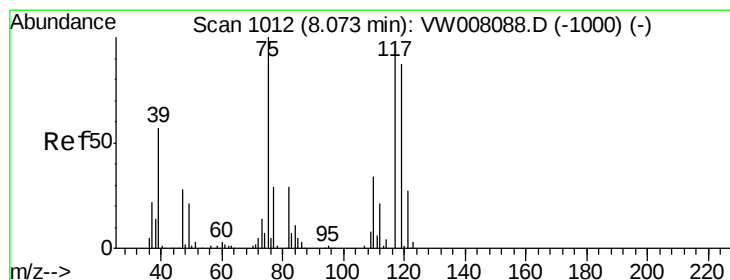
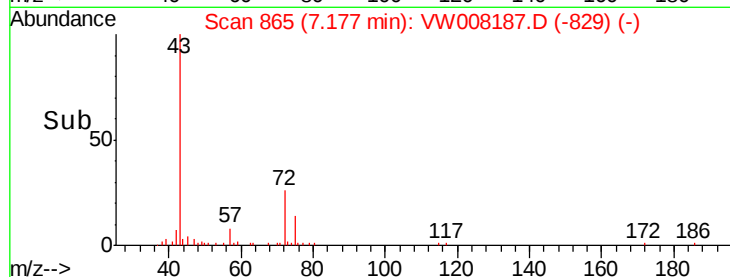
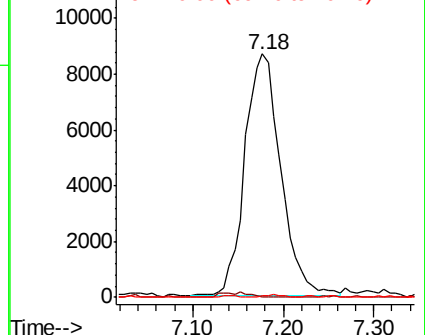
43 100

61 0.0 10.6 16.0#

70 0.5 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.285 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

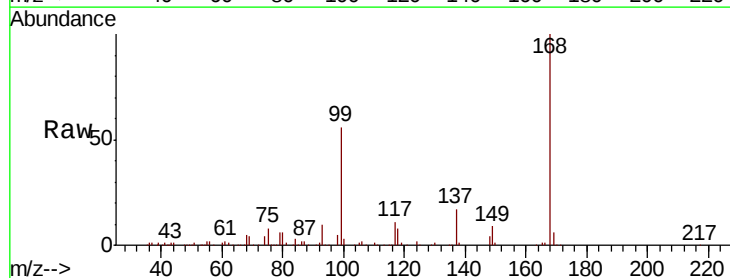
Tgt Ion: 117 Resp: 9622

Ion Ratio Lower Upper

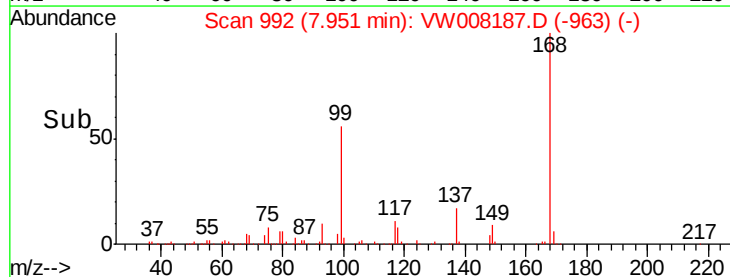
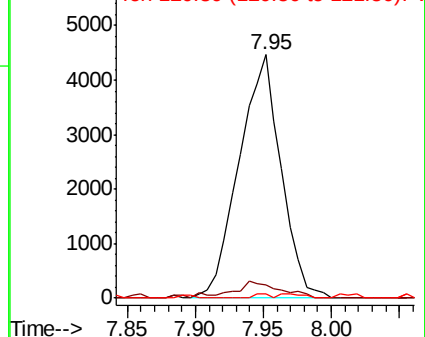
117 100

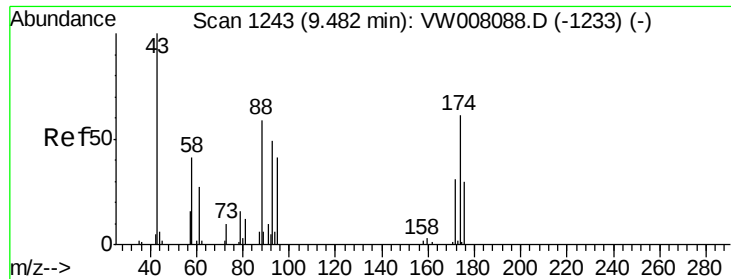
119 5.4 75.8 113.8#

121 0.2 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

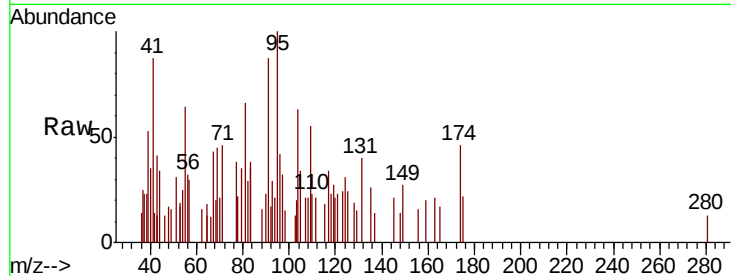




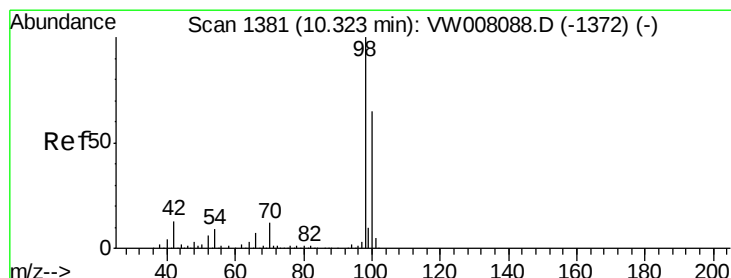
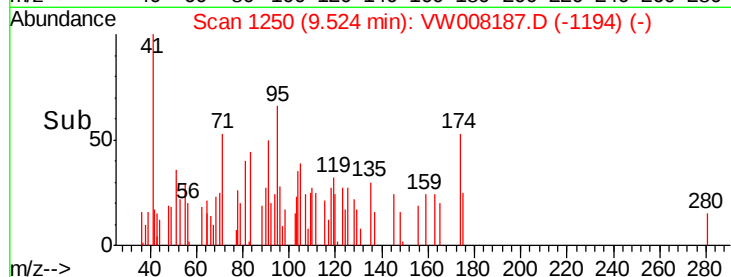
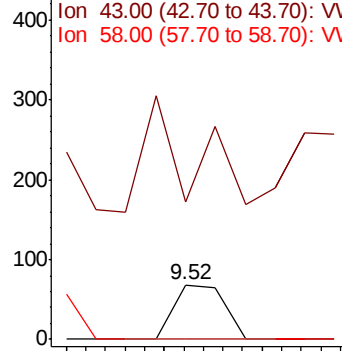
#49
1,4-Dioxane
Concen: 5.403 ug/l
RT: 9.52 min Scan# 1250
Delta R.T. 0.04 min
Lab File: VW008187.D
Acq: 11 Jan 2019 10:00

Instrument :
MSVOA_W
ClientSampleId :
CPSB-13(15-20)

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 289.6 0.0 0.0#
58 0.0 61.7 92.5#

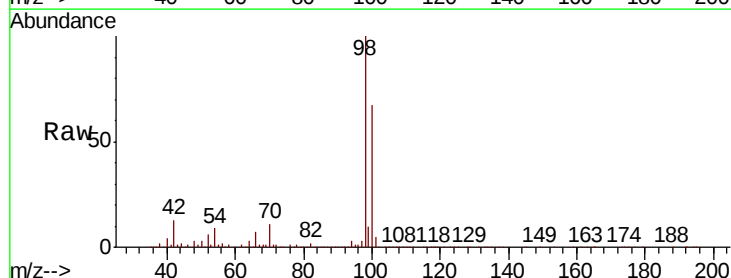


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

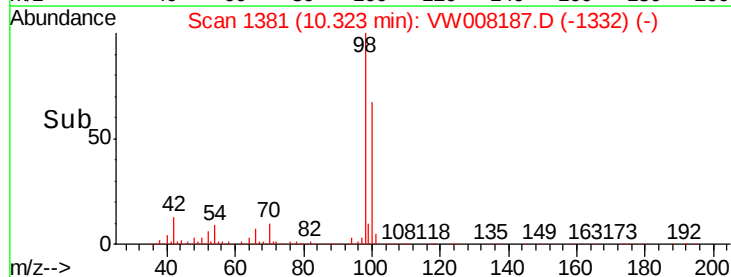
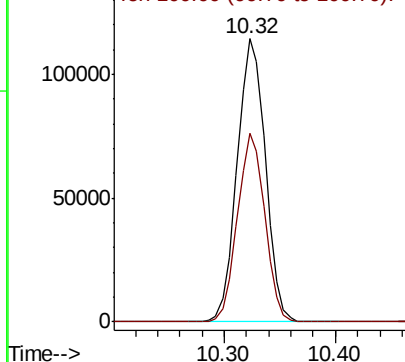


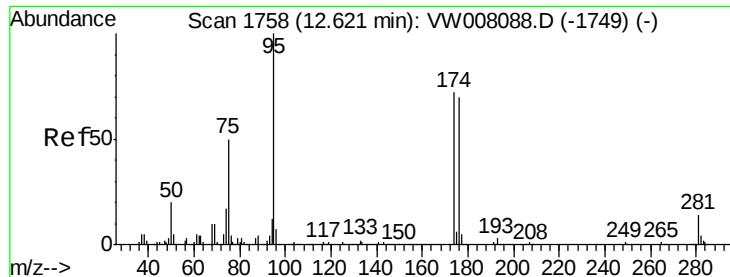
#50
Toluene-d8
Concen: 50.564 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008187.D
Acq: 11 Jan 2019 10:00

Tgt Ion: 98 Resp: 200957
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 42.370 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

CPSB-13(15-20)

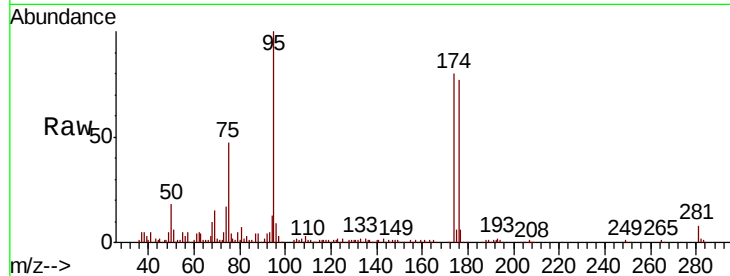
Tgt Ion: 95 Resp: 60368

Ion Ratio Lower Upper

95 100

174 77.0 0.0 143.0

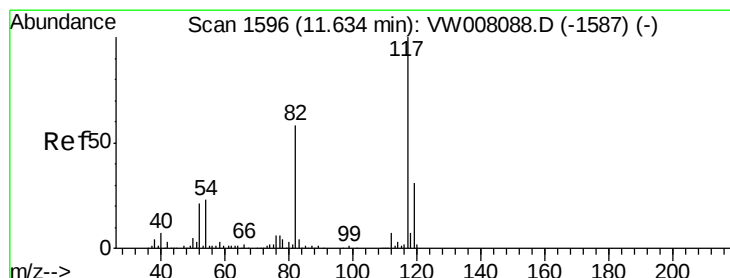
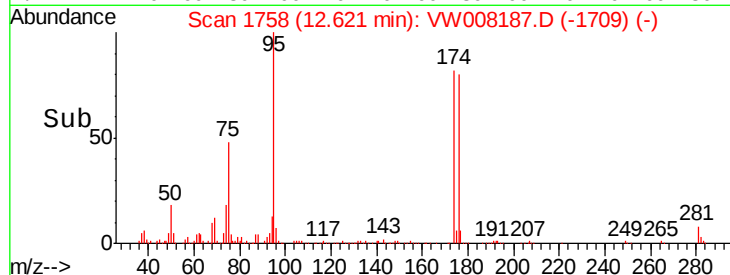
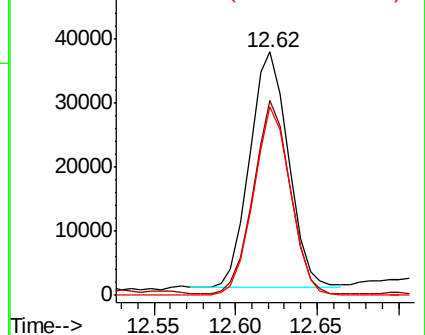
176 76.4 0.0 140.2



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: VW008187.D

Acq: 11 Jan 2019 10:00

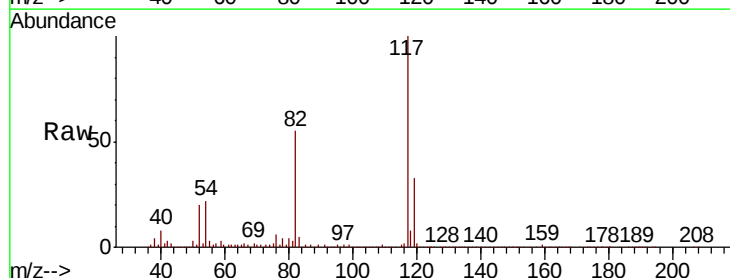
Tgt Ion: 117 Resp: 137709

Ion Ratio Lower Upper

117 100

82 55.1 46.4 69.6

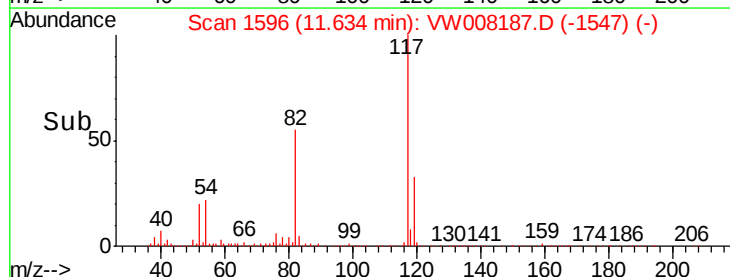
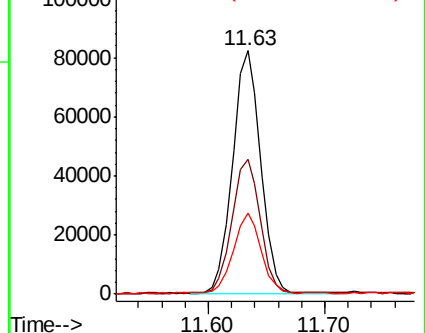
119 32.9 24.7 37.1

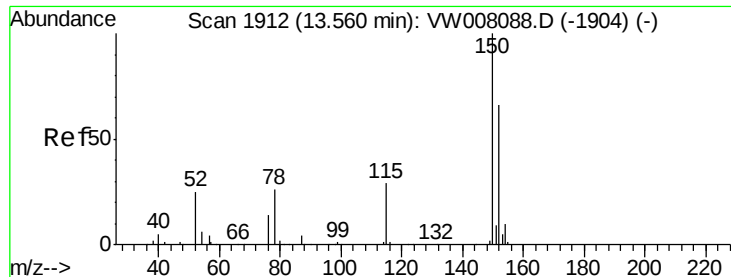


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

CPSB-13(15-20)

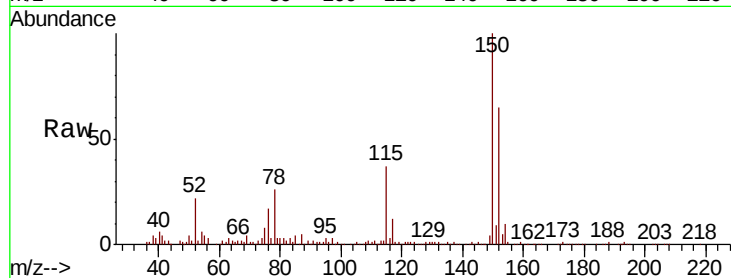
Tgt Ion: 152 Resp: 54216

Ion Ratio Lower Upper

152 100

115 58.8 30.8 92.4

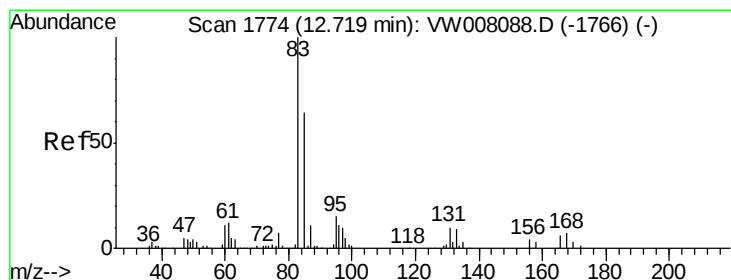
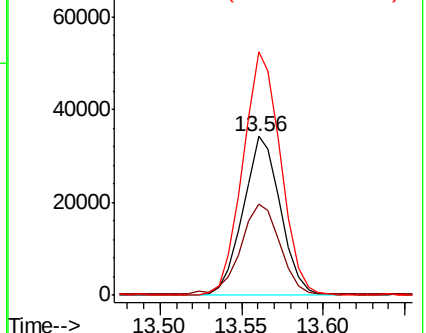
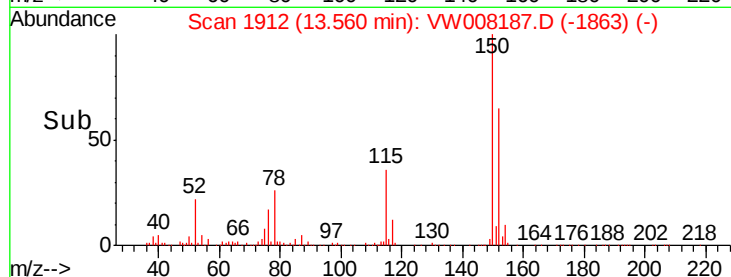
150 154.4 0.0 350.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 10.964 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

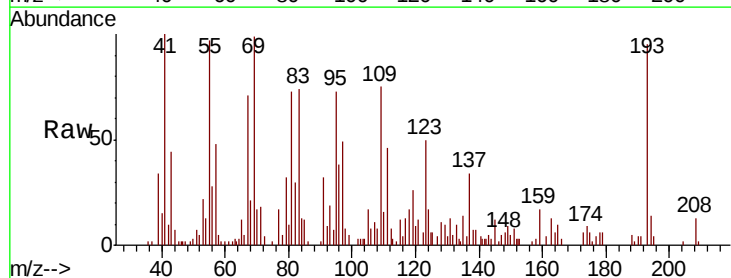
Tgt Ion: 83 Resp: 7470

Ion Ratio Lower Upper

83 100

131 2.3 5.3 16.1#

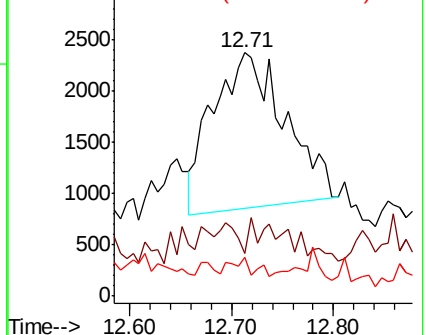
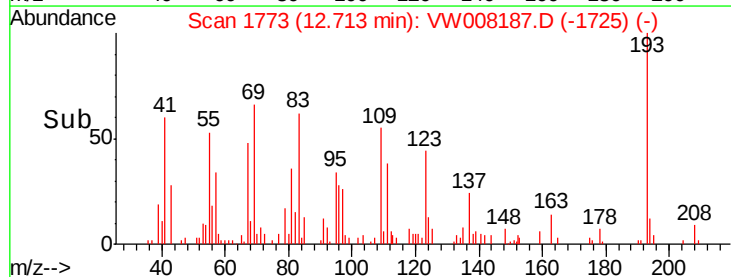
85 3.3 32.4 97.2#

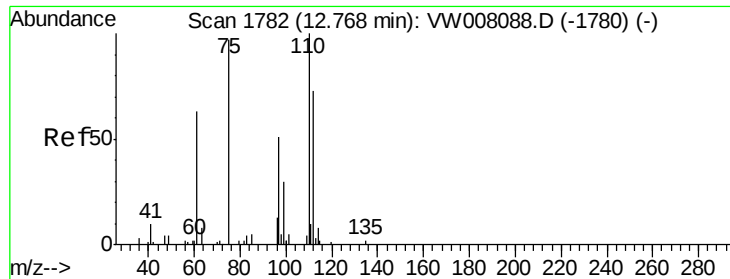


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 59.763 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

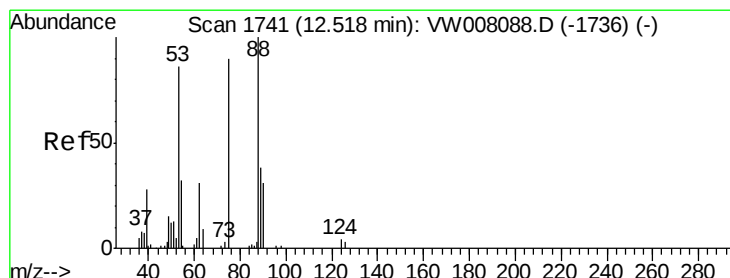
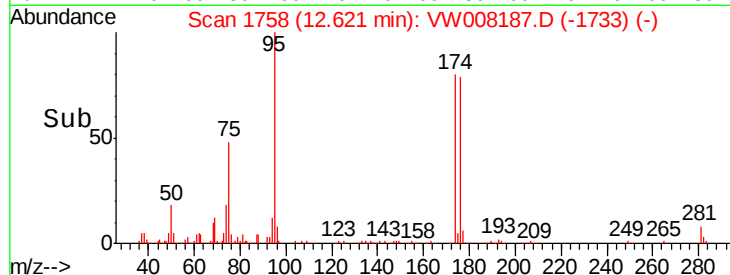
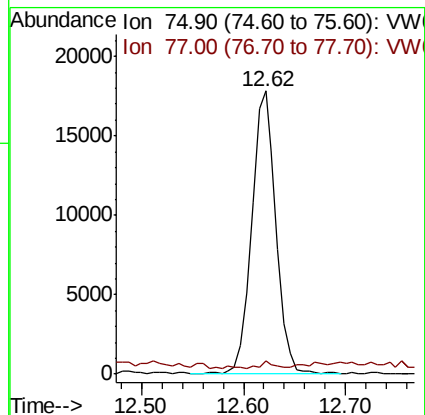
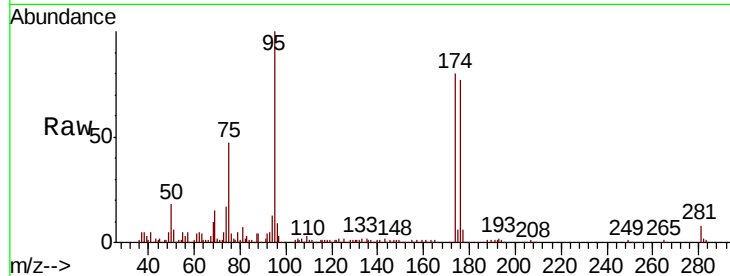
CPSB-13(15-20)

Tgt Ion: 75 Resp: 29537

Ion Ratio Lower Upper

75 100

77 2.0 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.169 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

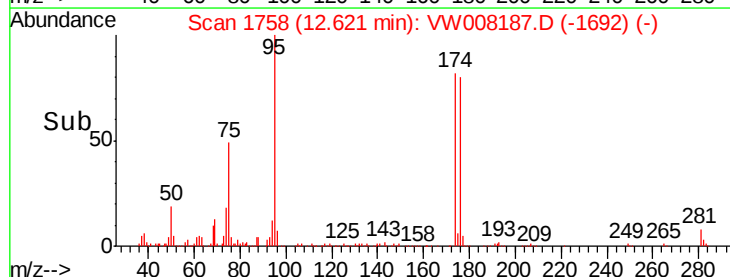
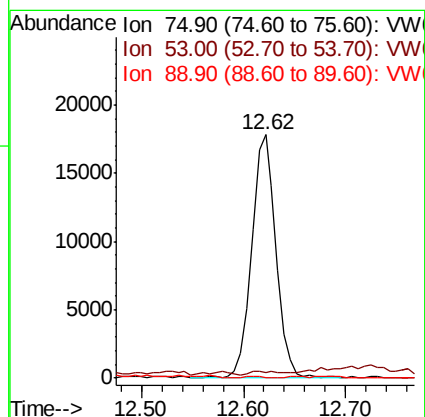
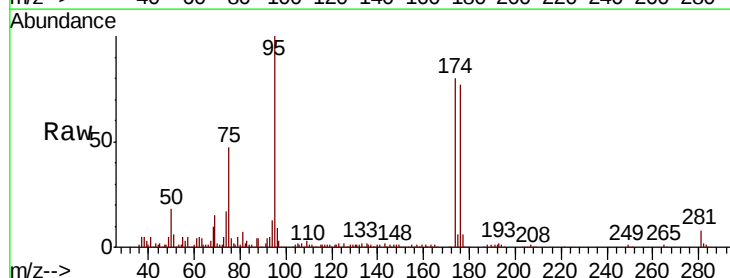
Tgt Ion: 75 Resp: 29537

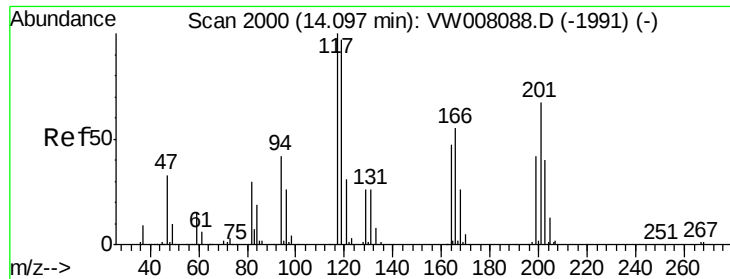
Ion Ratio Lower Upper

75 100

53 0.9 78.8 118.2#

89 0.6 35.4 53.2#





#90

Hexachloroethane

Concen: 1.263 ug/l

RT: 14.08 min Scan# 1997

Delta R.T. -0.02 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

Instrument :

MSVOA_W

ClientSampleId :

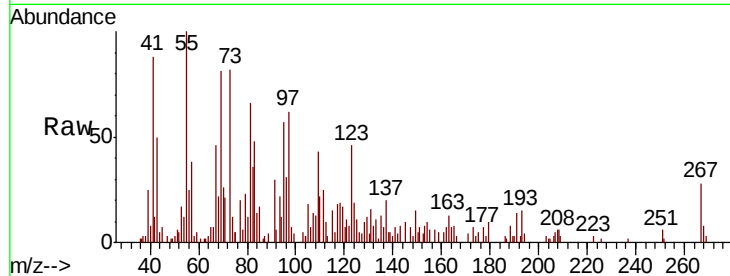
CPSB-13(15-20)

Tgt Ion: 117 Resp: 835

Ion Ratio Lower Upper

117 100

201 0.0 33.0 98.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.08

600

500

400

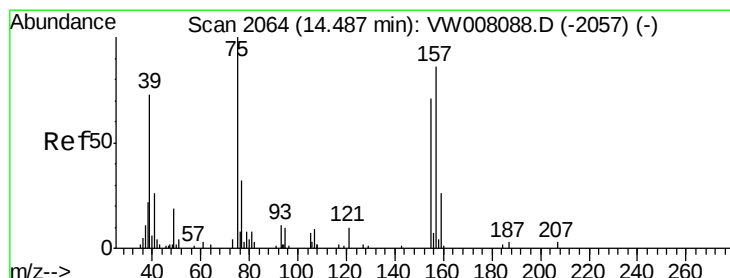
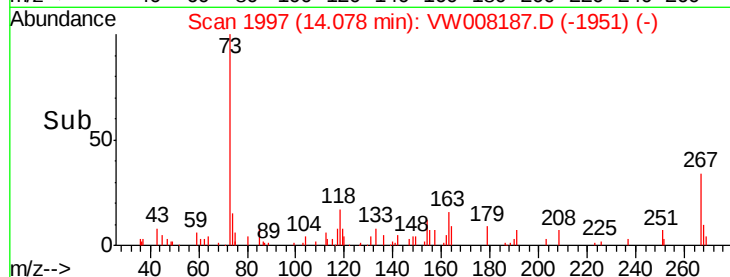
300

200

100

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.432 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.01 min

Lab File: VW008187.D

Acq: 11 Jan 2019 10:00

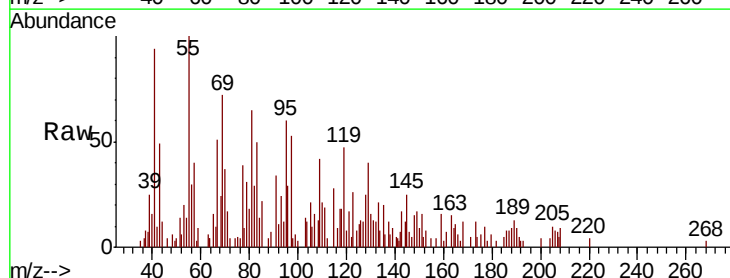
Tgt Ion: 75 Resp: 157

Ion Ratio Lower Upper

75 100

155 67.5 38.6 115.7

157 0.0 47.5 142.6#



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

600

400

200

0

Time-->

