

Data File : VW008198.D
Acq On : 11 Jan 2019 17:07
Operator : SY/VA
Sample : K1088-03RE
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CPSB-06(15-20)

Quant Time: Jan 12 00:11:19 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	90659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	163672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	153455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	68081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	56238	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
35) Dibromofluoromethane	7.88	113	52367	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
50) Toluene-d8	10.32	98	215581	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	12.62	95	74038	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	

Target Compounds

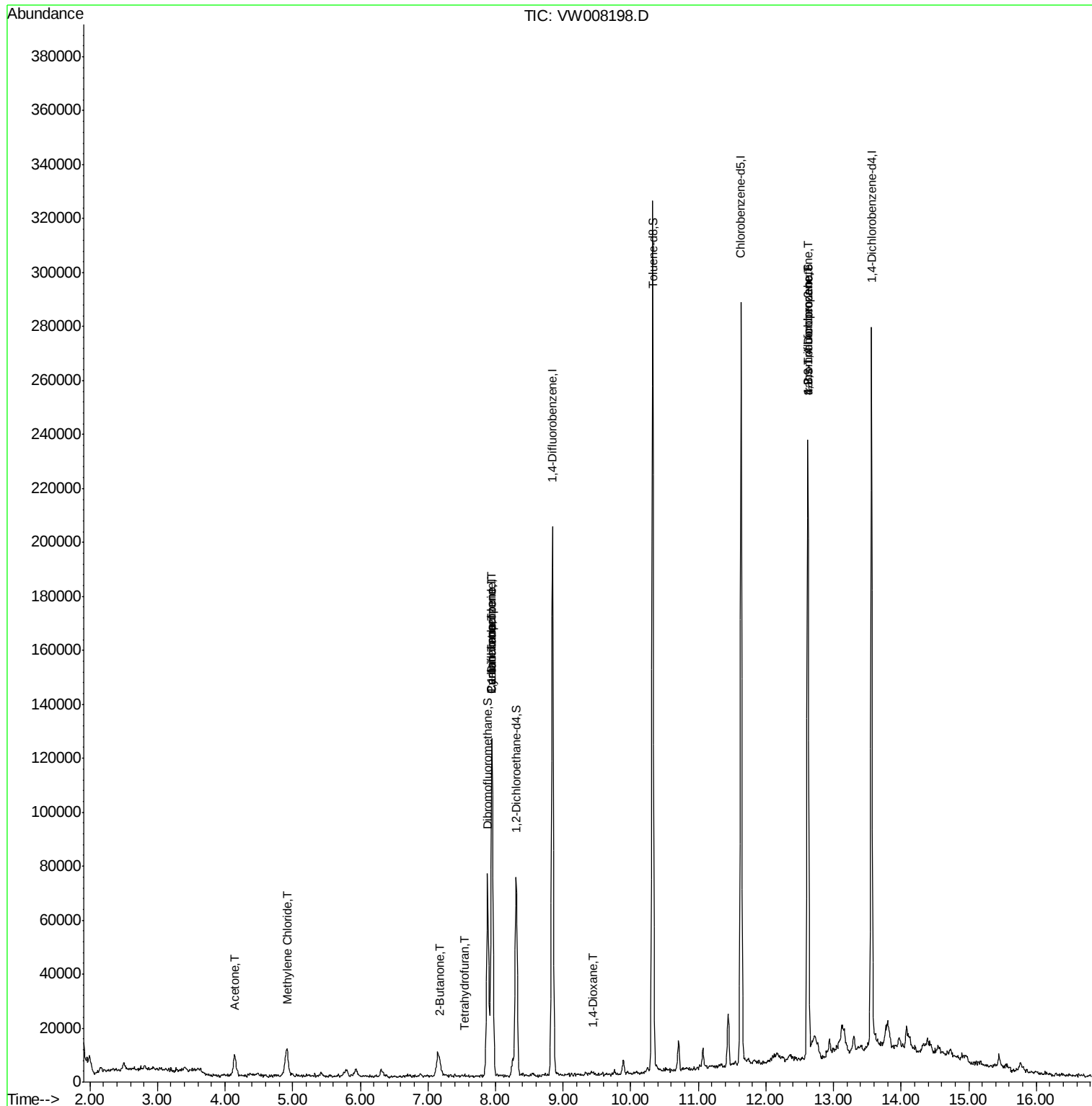
						Qvalue
11) Tert butyl alcohol	5.29	59	229	Below Cal	#	100
16) Acetone	4.15	43	16391	74.660	ug/l #	81
20) Methylene Chloride	4.91	84	8261	3.791	ug/l	92
25) 2-Butanone	7.18	43	5486	19.351	ug/l	98
29) Tetrahydrofuran	7.53	42	266	1.405	ug/l #	59
31) Cyclohexane	7.95	56	2222	1.036	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7960	4.721	ug/l #	50
38) Carbon Tetrachloride	7.95	117	9348	6.058	ug/l #	16
49) 1,4-Dioxane	9.45	88	19	2.122	ug/l #	37
76) 1,2,3-Trichloropropane	12.62	75	36513	58.832	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	36513	137.002	ug/l #	10

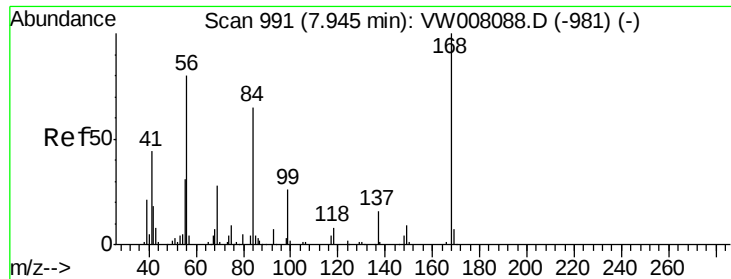
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008198.D

Acq: 11 Jan 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

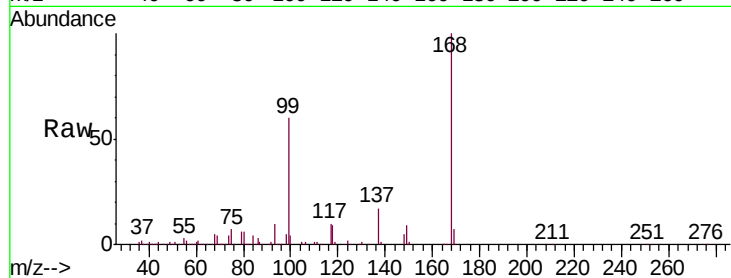
CPSB-06(15-20)

Tgt Ion:168 Resp: 90659

Ion Ratio Lower Upper

168 100

99 60.4 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

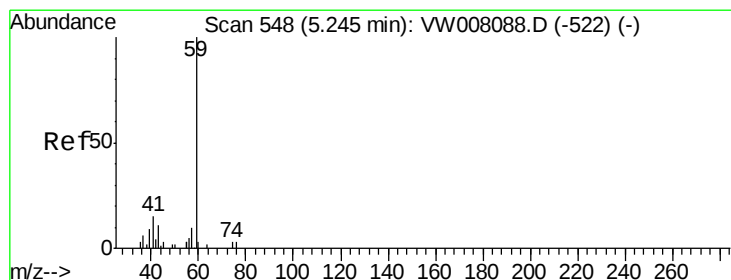
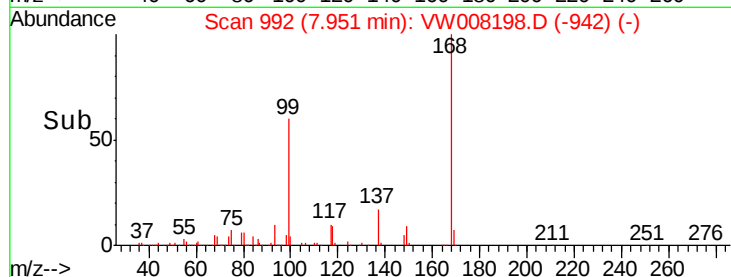
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.29 min Scan# 555

Delta R.T. 0.04 min

Lab File: VW008198.D

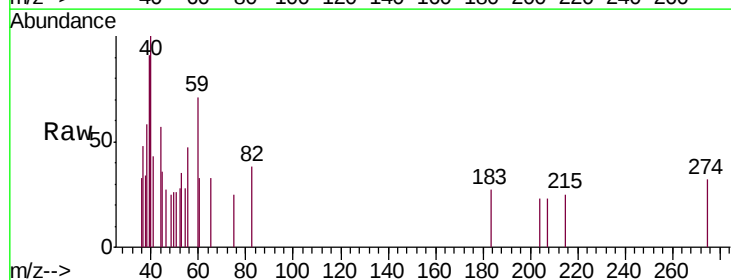
Acq: 11 Jan 2019 17:07

Tgt Ion: 59 Resp: 229

Ion Ratio Lower Upper

59 100

57 16.6 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.29

150

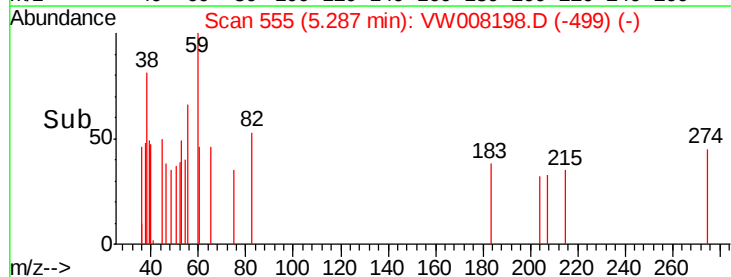
100

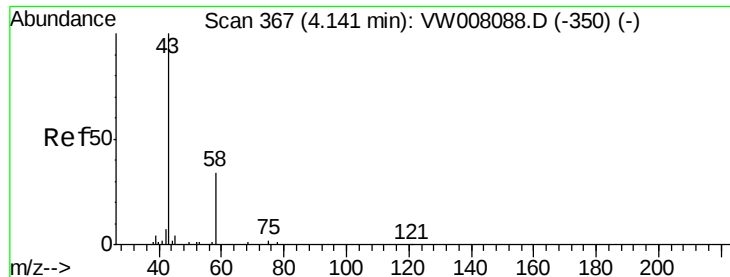
50

0

5.26 5.28 5.30 5.32

Time-->





#16

Acetone

Concen: 74.660 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW008198.D

Acq: 11 Jan 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

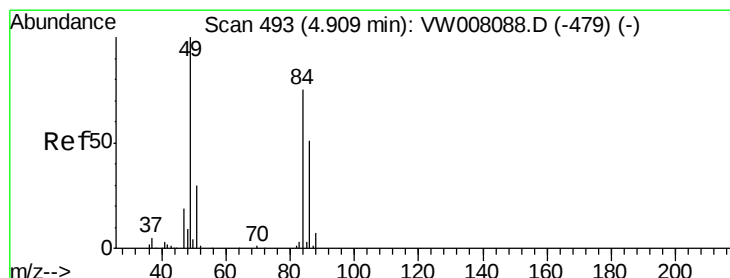
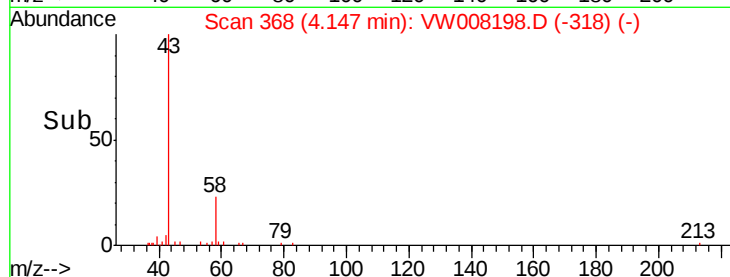
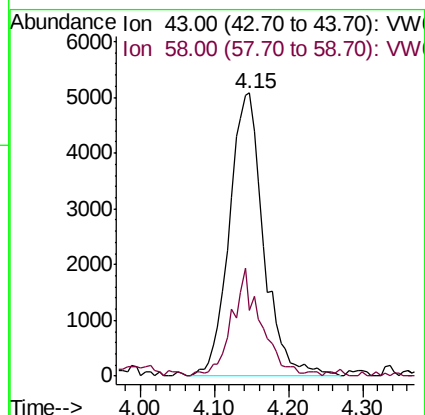
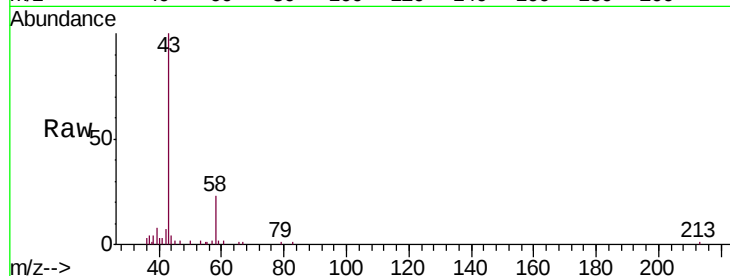
CPSB-06(15-20)

Tgt Ion: 43 Resp: 16391

Ion Ratio Lower Upper

43 100

58 23.4 27.5 41.3#



#20

Methylene Chloride

Concen: 3.791 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008198.D

Acq: 11 Jan 2019 17:07

Tgt Ion: 84 Resp: 8261

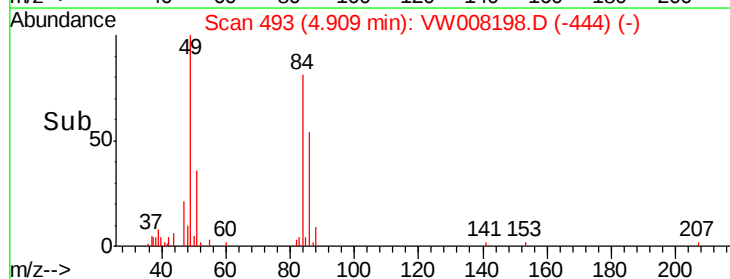
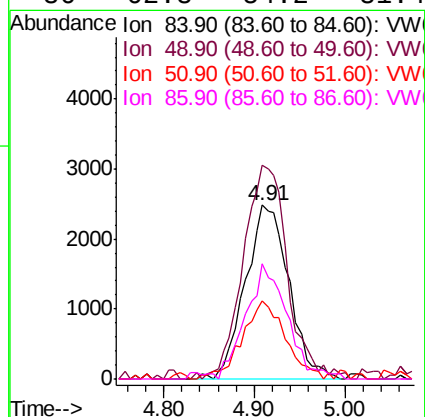
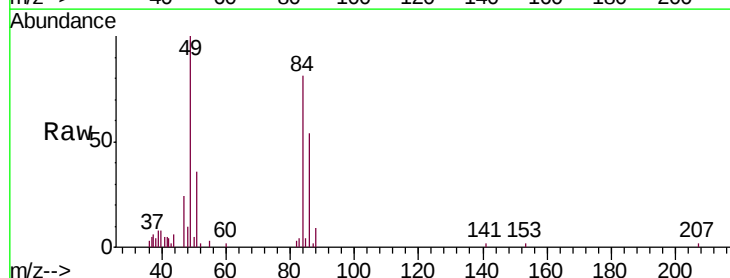
Ion Ratio Lower Upper

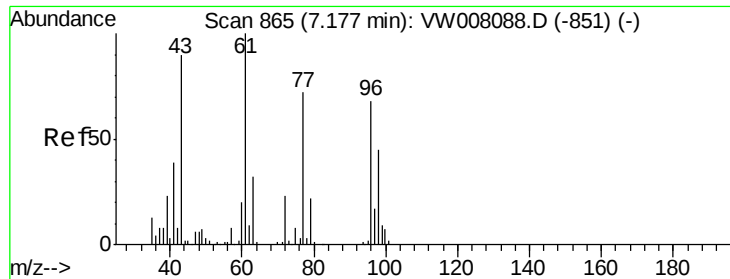
84 100

49 122.8 107.1 160.7

51 44.8 32.4 48.6

86 62.8 54.2 81.4





#25

2-Butanone

Concen: 19.351 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW008198.D

Acq: 11 Jan 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

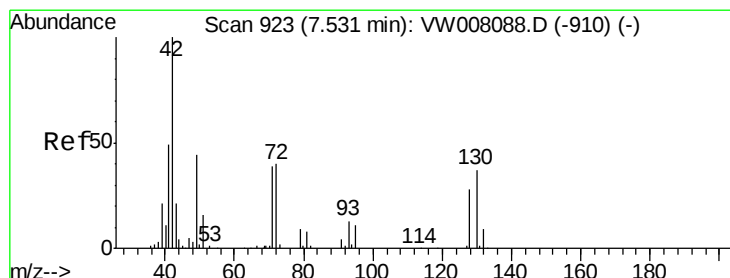
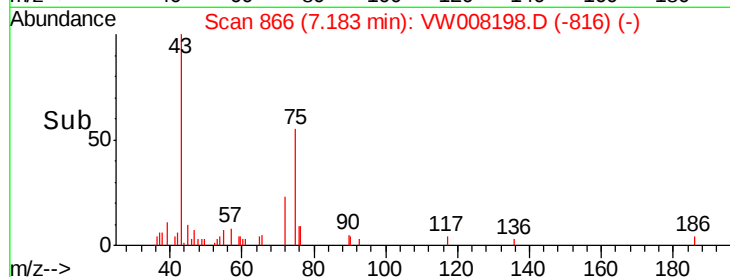
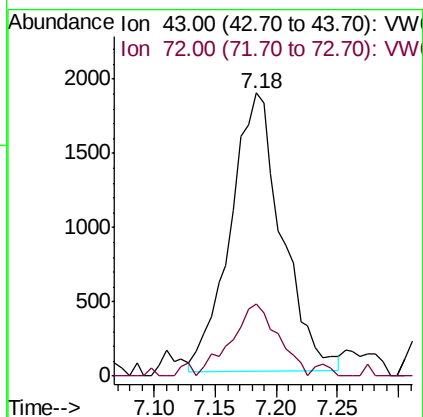
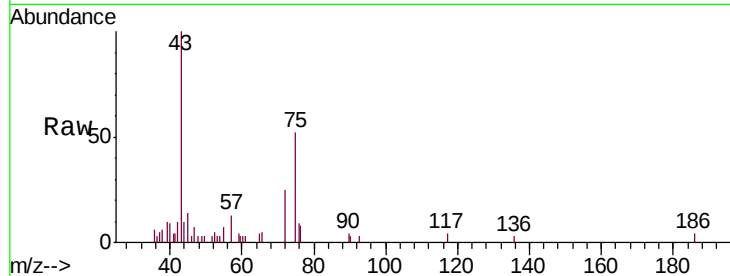
CPSB-06(15-20)

Tgt Ion: 43 Resp: 5486

Ion Ratio Lower Upper

43 100

72 26.7 20.5 30.7



#29

Tetrahydrofuran

Concen: 1.405 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW008198.D

Acq: 11 Jan 2019 17:07

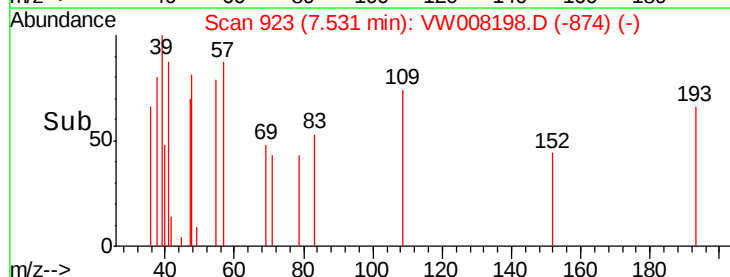
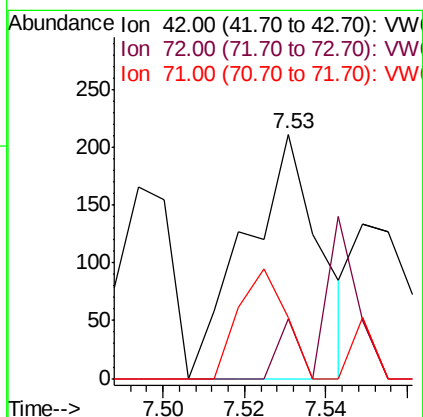
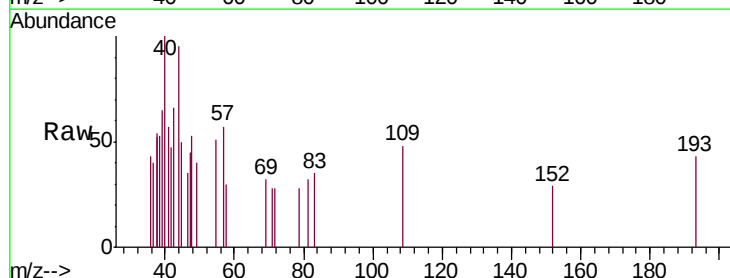
Tgt Ion: 42 Resp: 266

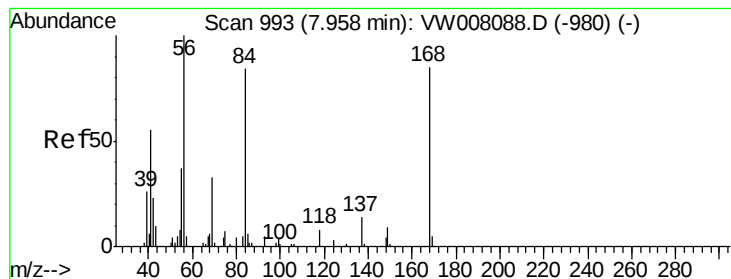
Ion Ratio Lower Upper

42 100

72 0.0 32.4 48.6#

71 28.9 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: VW008198.D

Acq: 11 Jan 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

CPSB-06(15-20)

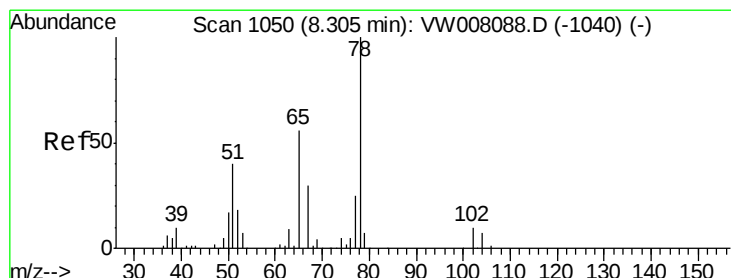
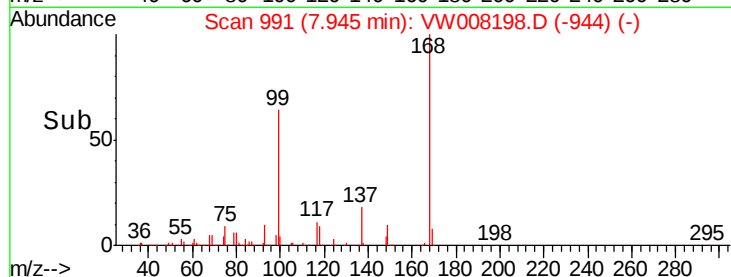
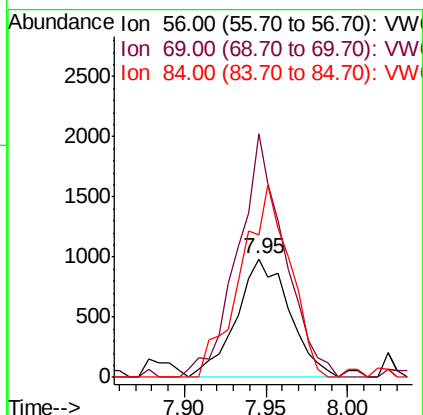
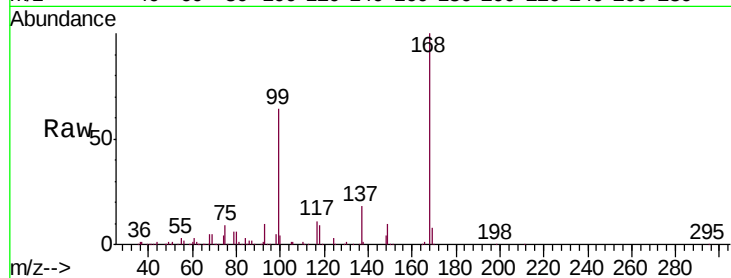
Tgt Ion: 56 Resp: 2222

Ion Ratio Lower Upper

56 100

69 205.9 26.2 39.4#

84 120.0 67.4 101.2#



#33

1,2-Dichloroethane-d4

Concen: 55.193 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008198.D

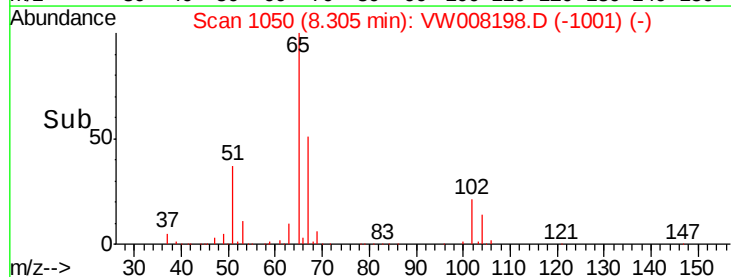
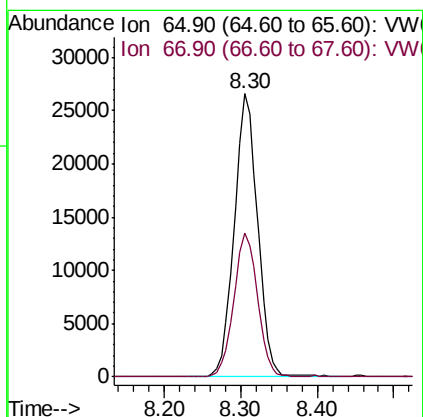
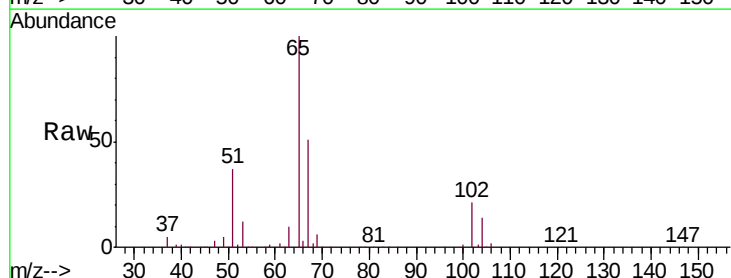
Acq: 11 Jan 2019 17:07

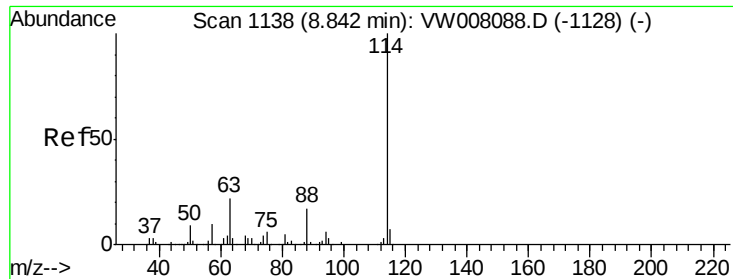
Tgt Ion: 65 Resp: 56238

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.8

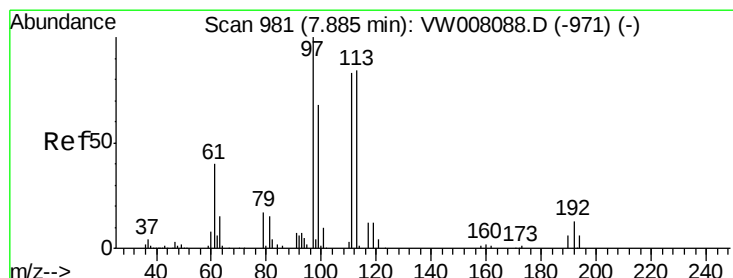
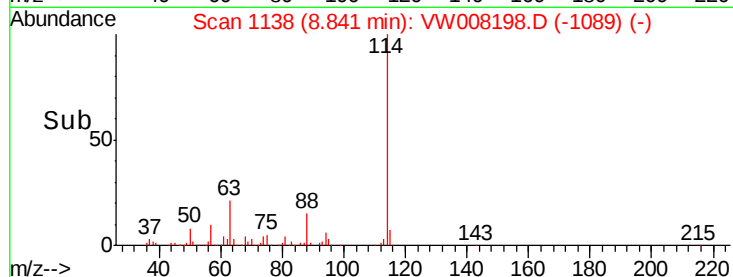
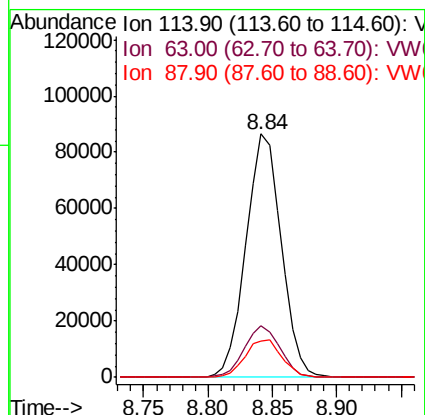
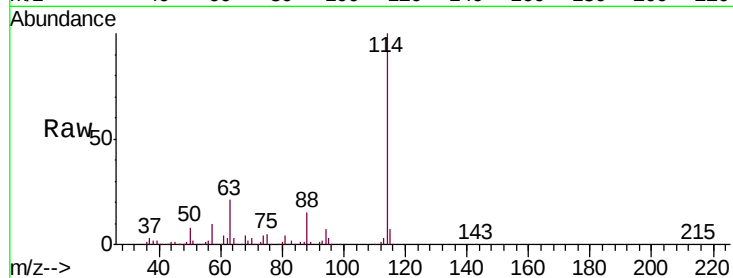




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008198.D
 Acq: 11 Jan 2019 17:07

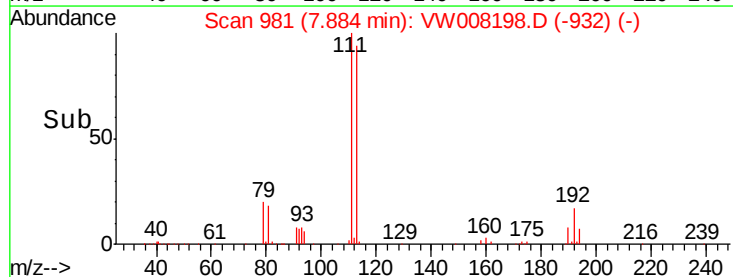
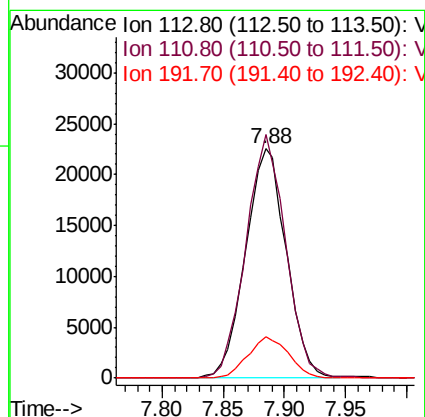
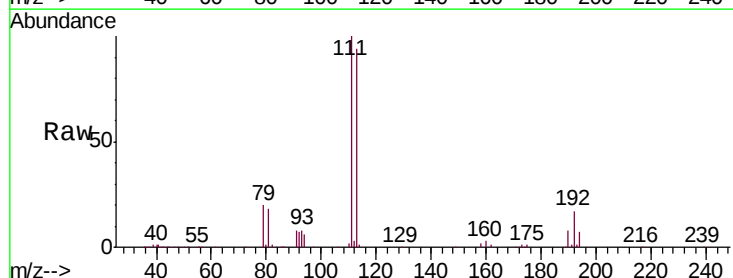
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-06(15-20)

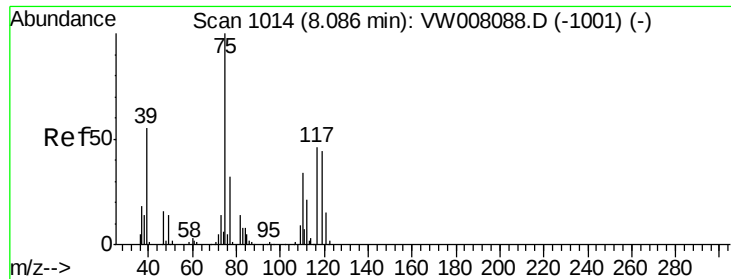
Tgt Ion:114 Resp: 163672
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.4
 88 15.1 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 54.858 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008198.D
 Acq: 11 Jan 2019 17:07

Tgt Ion:113 Resp: 52367
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.8 122.8
 192 18.1 12.8 19.2

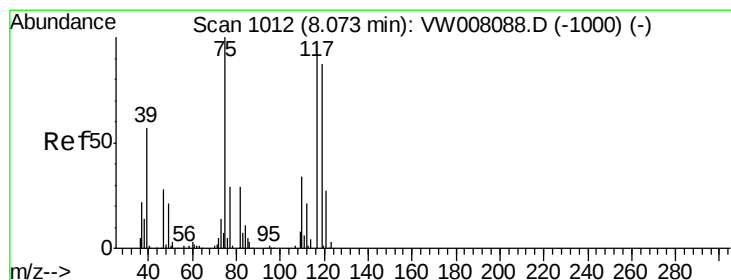
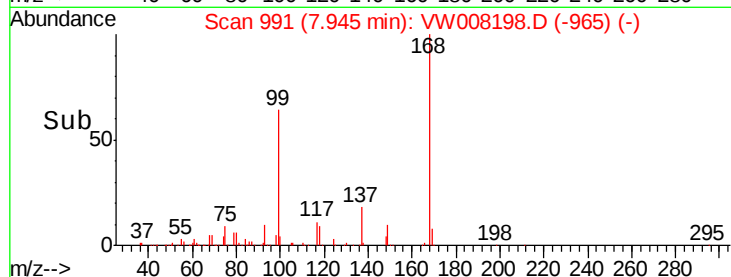
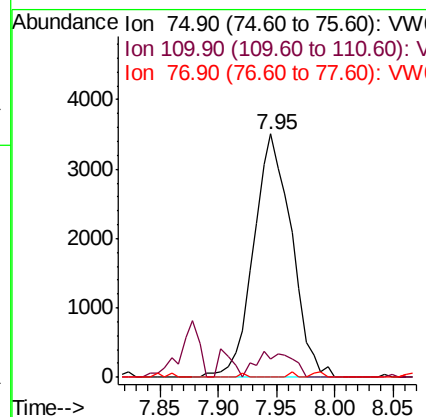
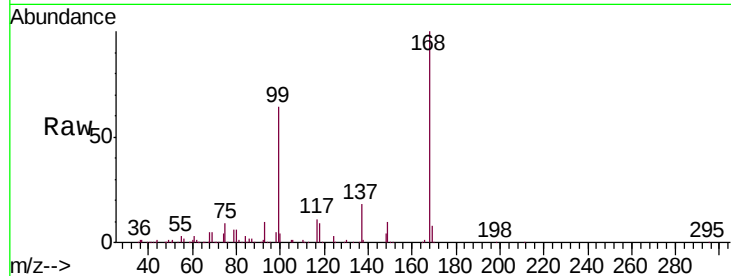




#36
 1,1-Dichloropropene
 Concen: 4.721 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008198.D
 Acq: 11 Jan 2019 17:07

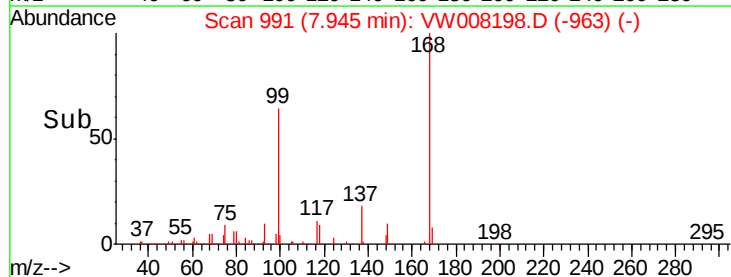
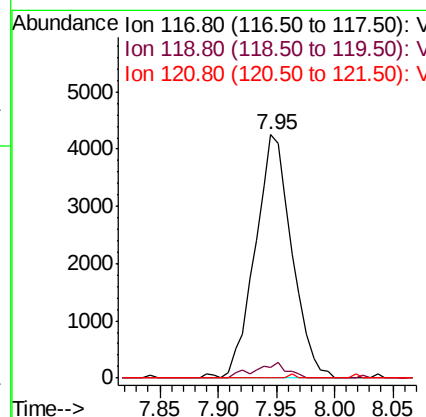
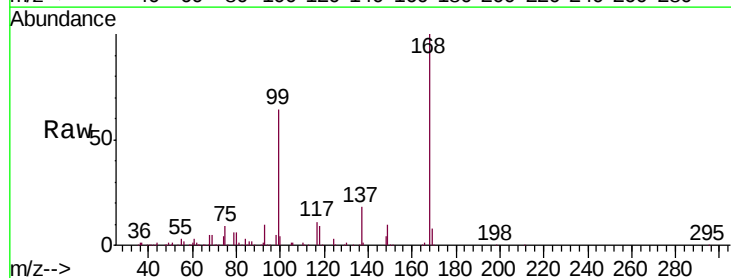
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-06(15-20)

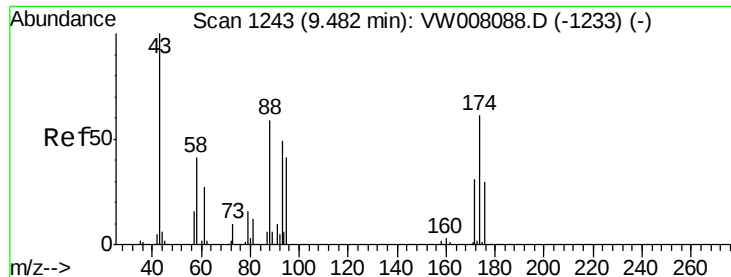
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.1	51.3#
77	0.0	25.5	38.3#



#38
 Carbon Tetrachloride
 Concen: 6.058 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008198.D
 Acq: 11 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.8	113.8#
121	0.0	23.7	35.5#

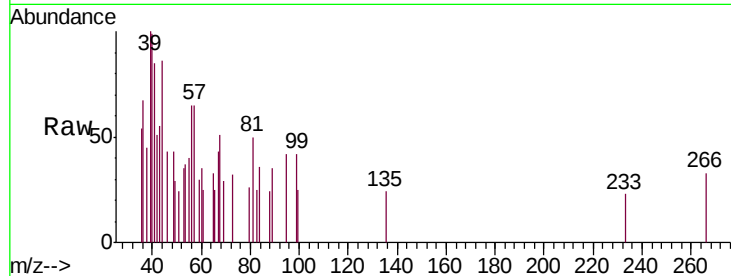




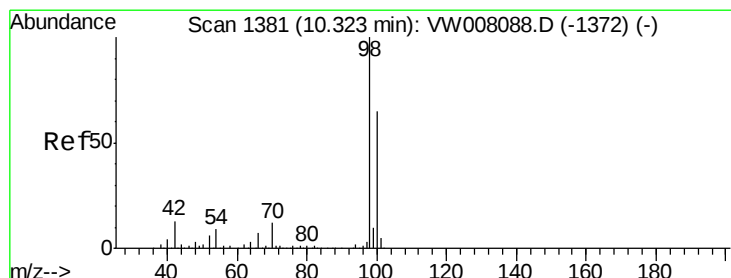
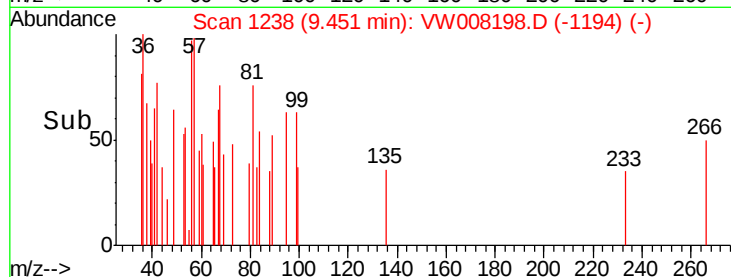
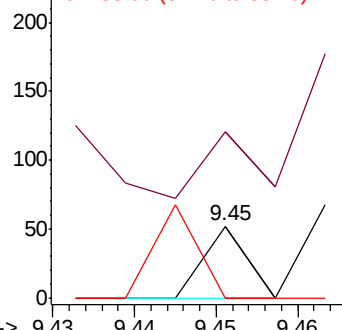
#49
1,4-Dioxane
Concen: 2.122 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VW008198.D
Acq: 11 Jan 2019 17:07

Instrument :
MSVOA_W
ClientSampleId :
CPSB-06(15-20)

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 131.6 61.7 92.5#

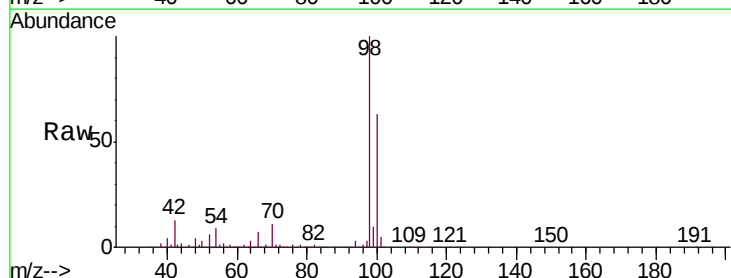


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

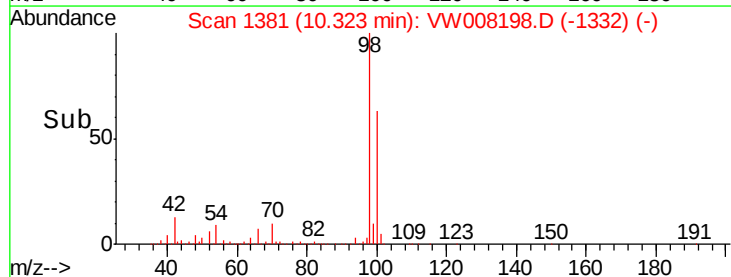
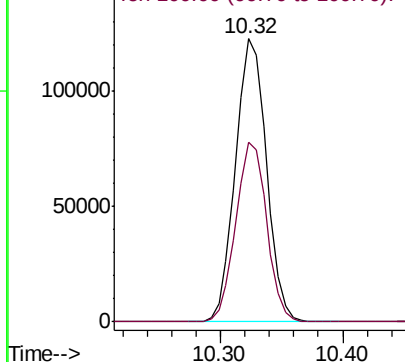


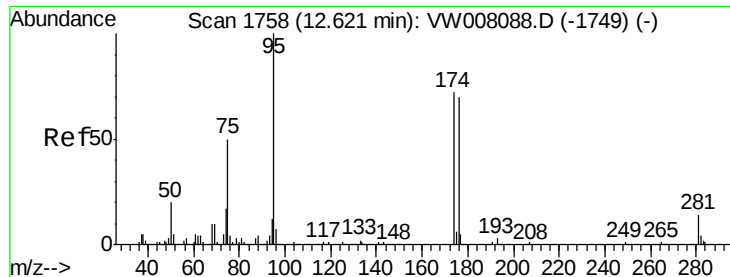
#50
Toluene-d8
Concen: 53.816 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008198.D
Acq: 11 Jan 2019 17:07

Tgt Ion: 98 Resp: 215581
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



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

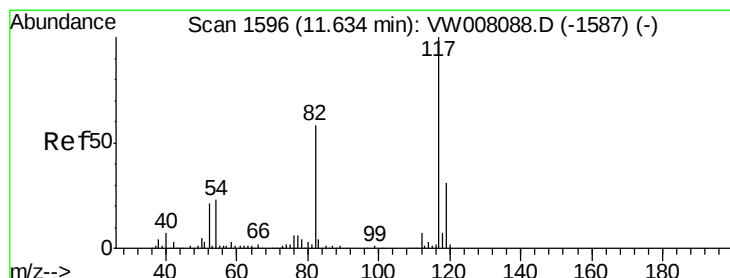
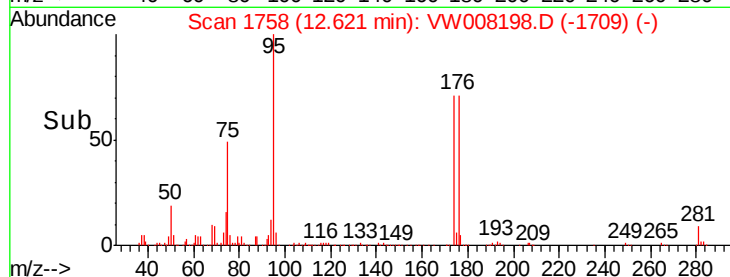
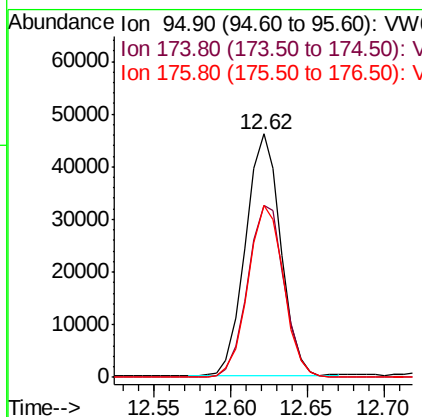
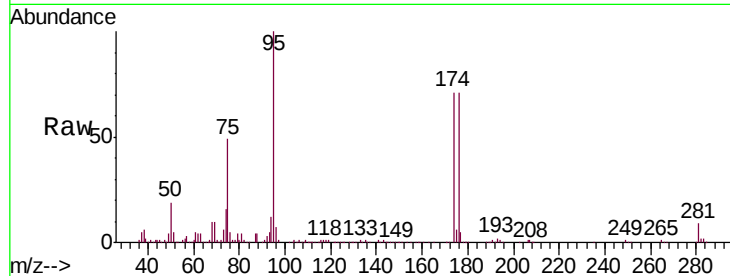




#62
4-Bromofluorobenzene
Concen: 51.555 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008198.D
Acq: 11 Jan 2019 17:07

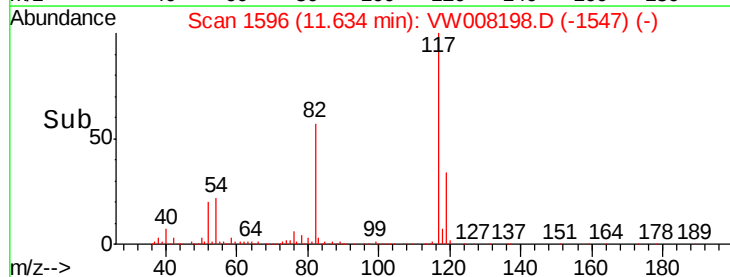
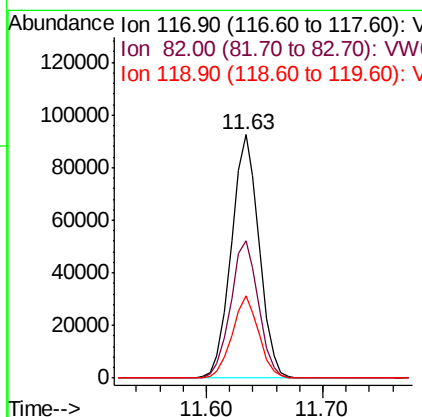
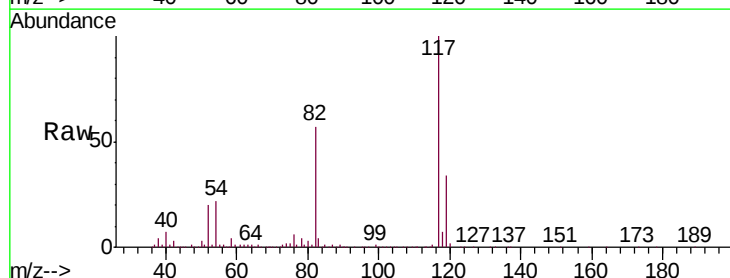
Instrument :
MSVOA_W
ClientSampleId :
CPSB-06(15-20)

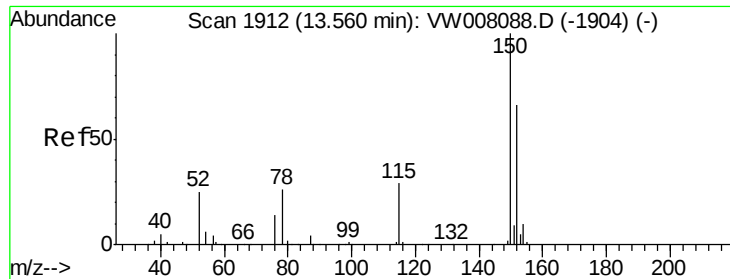
Tgt Ion: 95 Resp: 74038
Ion Ratio Lower Upper
95 100
174 73.3 0.0 143.0
176 71.2 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008198.D
Acq: 11 Jan 2019 17:07

Tgt Ion: 117 Resp: 153455
Ion Ratio Lower Upper
117 100
82 56.5 46.4 69.6
119 33.8 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008198.D

Acq: 11 Jan 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

CPSB-06(15-20)

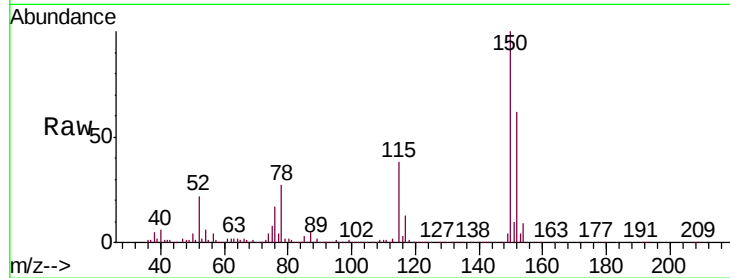
Tgt Ion:152 Resp: 68081

Ion Ratio Lower Upper

152 100

115 60.1 30.8 92.4

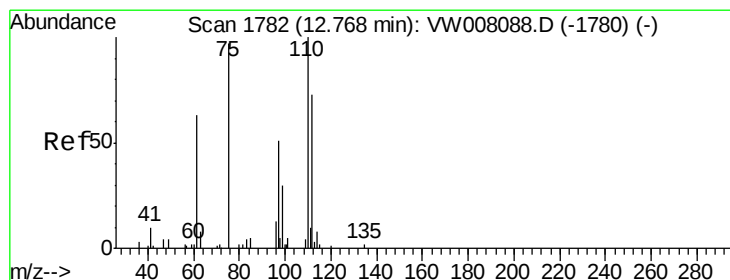
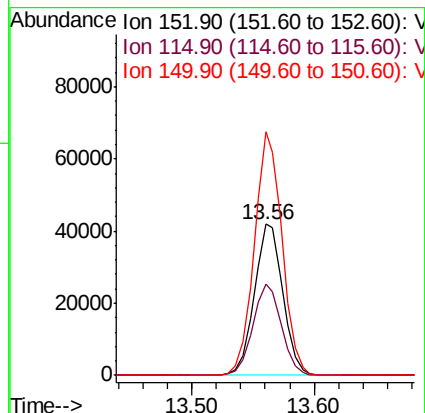
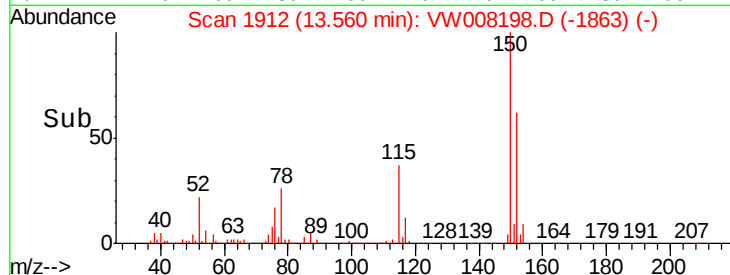
150 156.3 0.0 350.2



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



#76

1,2,3-Trichloropropane

Concen: 58.832 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008198.D

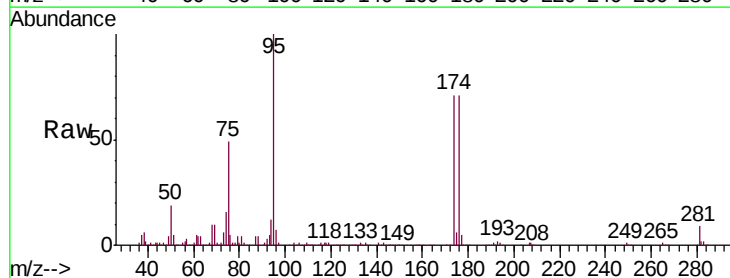
Acq: 11 Jan 2019 17:07

Tgt Ion: 75 Resp: 36513

Ion Ratio Lower Upper

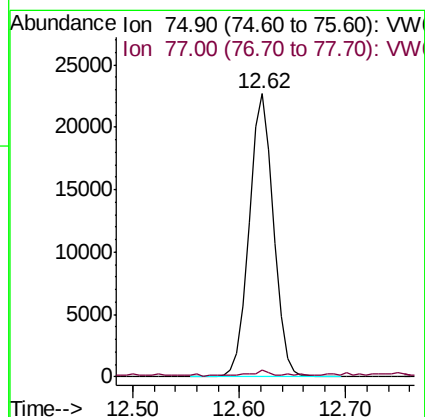
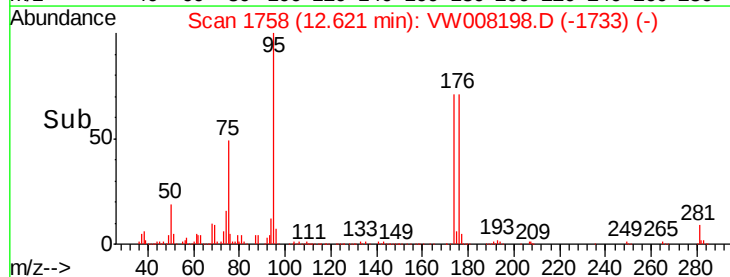
75 100

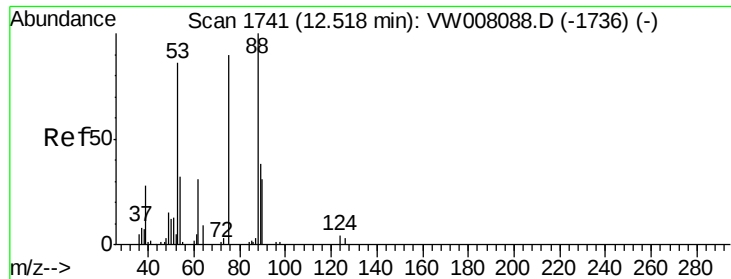
77 1.0 179.4 538.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 137.002 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008198.D

Acq: 11 Jan 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

CPSB-06(15-20)

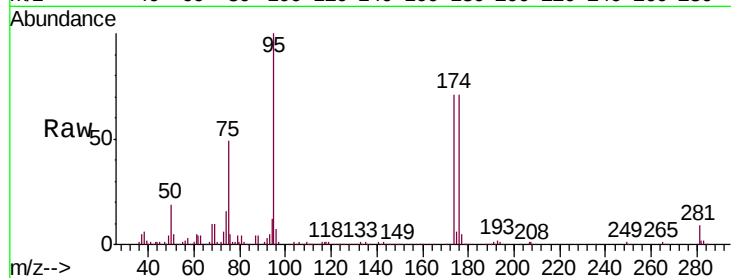
Tgt Ion: 75 Resp: 36513

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

