

Data File : VW008163.D
Acq On : 10 Jan 2019 21:39
Operator : SY/AP
Sample : K1088-10
Misc : 5.05G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Jan 11 05:17:46 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	99762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	180989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	162219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	58368	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
35) Dibromofluoromethane	7.88	113	56431	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
50) Toluene-d8	10.32	98	223898	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.62	95	79068	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds

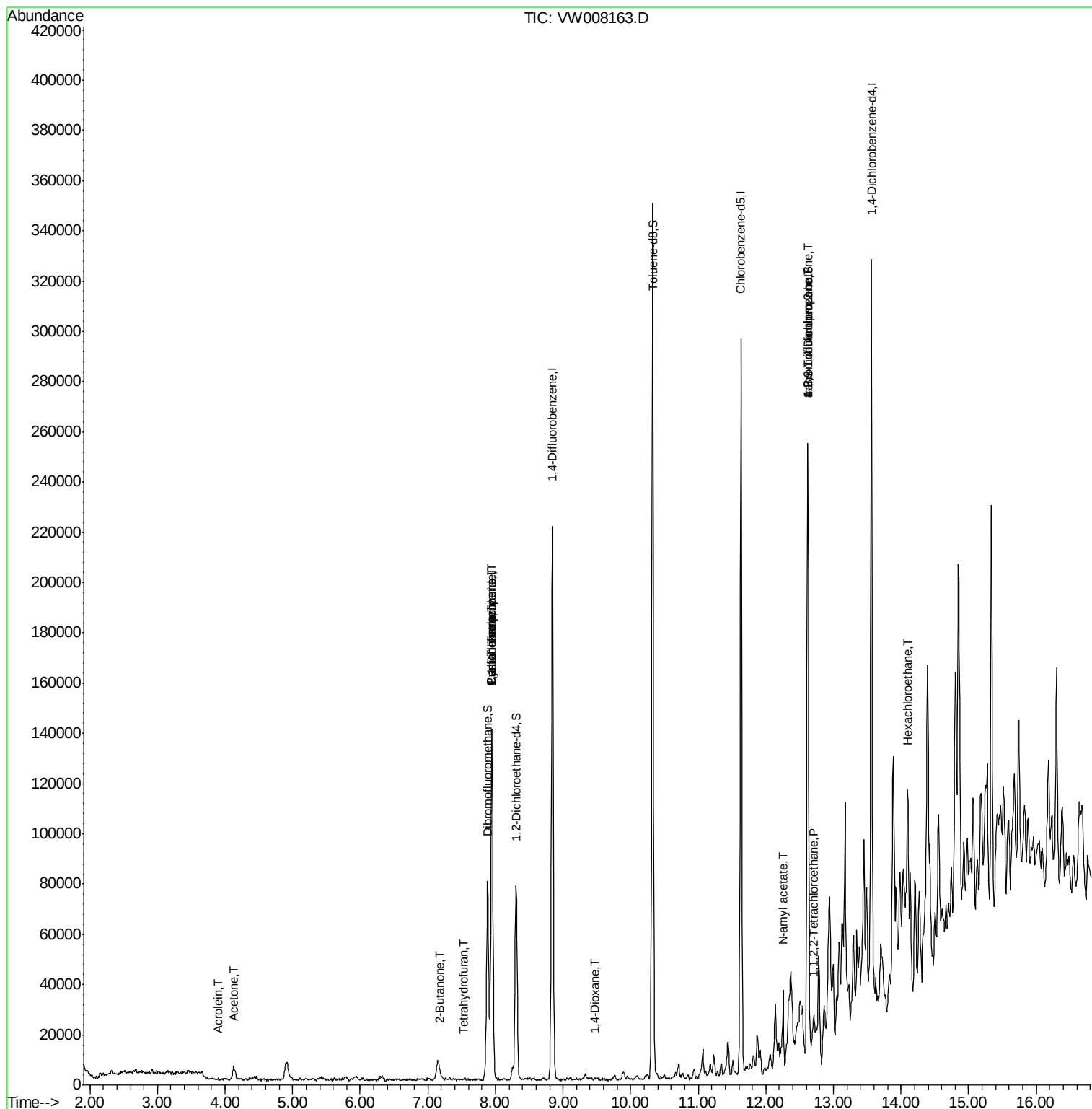
						Qvalue
11) Tert butyl alcohol	5.29	59	198	Below Cal	#	100
13) Acrolein	3.89	56	221	1.473	ug/l #	7
16) Acetone	4.13	43	9351	27.581	ug/l	94
25) 2-Butanone	7.18	43	2877	9.222	ug/l	91
29) Tetrahydrofuran	7.52	42	334	1.603	ug/l #	62
31) Cyclohexane	7.95	56	2627	1.113	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8864	4.754	ug/l #	53
38) Carbon Tetrachloride	7.94	117	10979	6.434	ug/l #	17
49) 1,4-Dioxane	9.47	88	86	8.684	ug/l #	69
74) N-amyl acetate	12.26	43	6767	5.285	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.69	83	1097	1.185	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	38699	57.647	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	38699	134.243	ug/l #	11
90) Hexachloroethane	14.10	117	2729	3.039	ug/l #	17

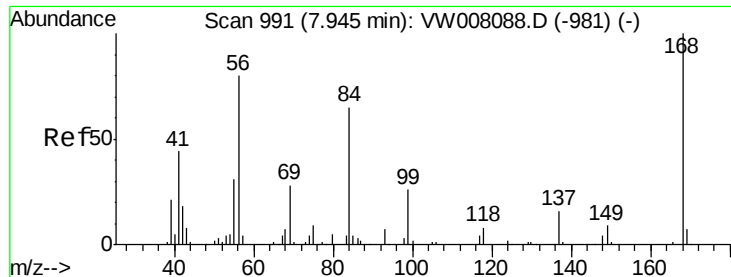
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008163.D

Acq: 10 Jan 2019 21:39

Instrument :

MSVOA_W

ClientSampleId :

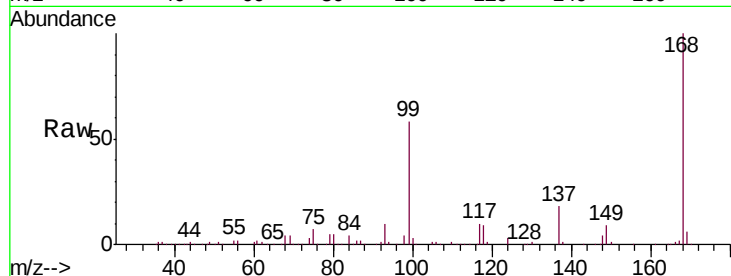
CPSB-06(15-20)MS

Tgt Ion:168 Resp: 99762

Ion Ratio Lower Upper

168 100

99 58.4 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

50000

40000

30000

20000

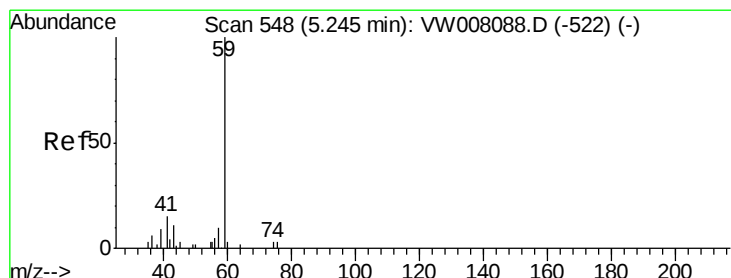
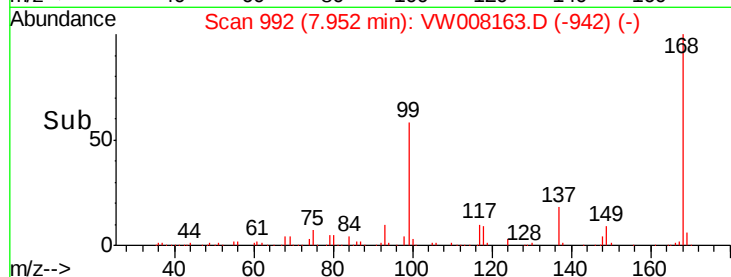
10000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.29 min Scan# 555

Delta R.T. 0.04 min

Lab File: VW008163.D

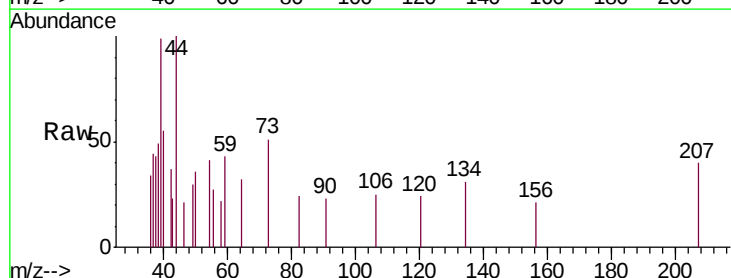
Acq: 10 Jan 2019 21:39

Tgt Ion: 59 Resp: 198

Ion Ratio Lower Upper

59 100

57 10.6 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

120

100

80

60

40

20

0

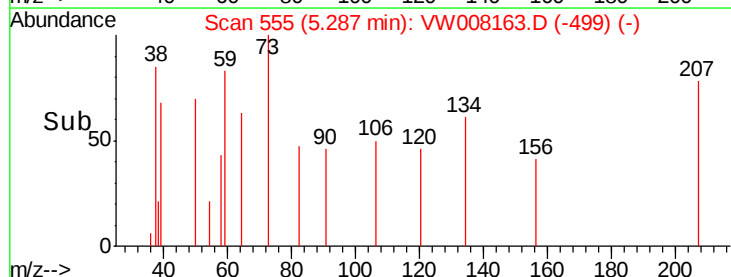
Time-->

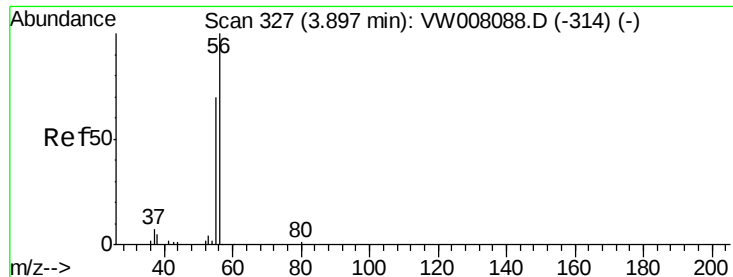
5.26

5.28

5.30

5.32





#13

Acrolein

Concen: 1.473 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008163.D

Acq: 10 Jan 2019 21:39

Instrument :

MSVOA_W

ClientSampleId :

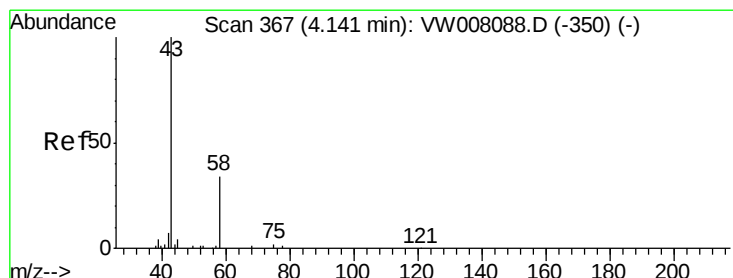
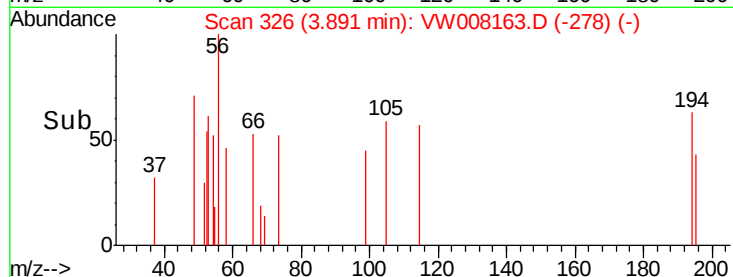
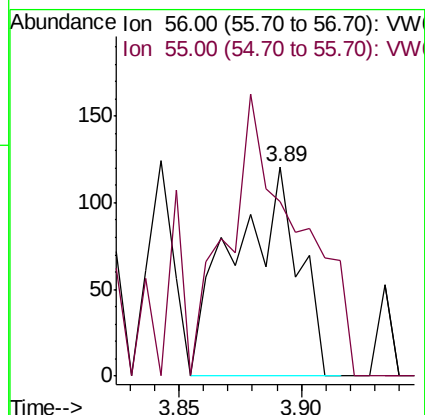
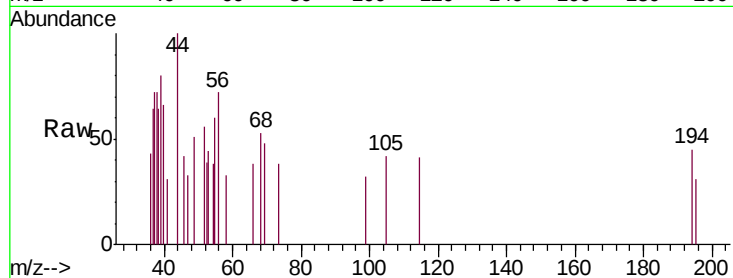
CPSB-06(15-20)MS

Tgt Ion: 56 Resp: 221

Ion Ratio Lower Upper

56 100

55 147.5 56.6 84.8#



#16

Acetone

Concen: 27.581 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW008163.D

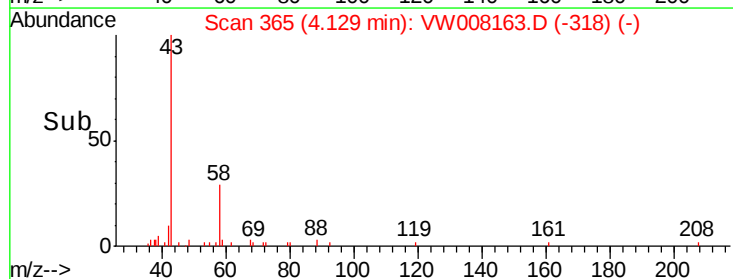
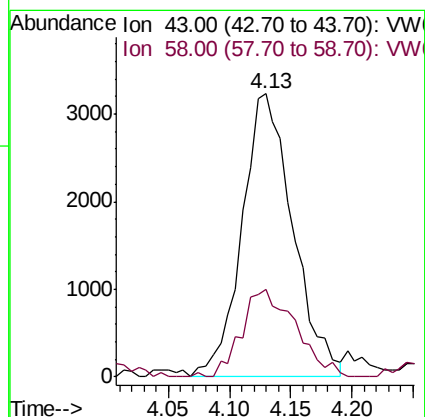
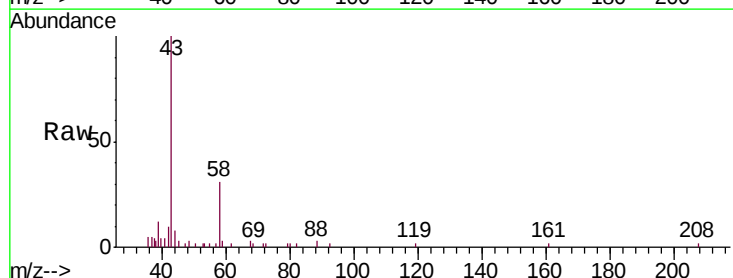
Acq: 10 Jan 2019 21:39

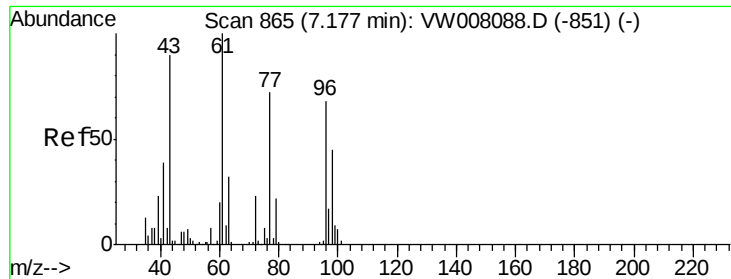
Tgt Ion: 43 Resp: 9351

Ion Ratio Lower Upper

43 100

58 31.1 27.5 41.3





#25

2-Butanone

Concen: 9.222 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008163.D

Acq: 10 Jan 2019 21:39

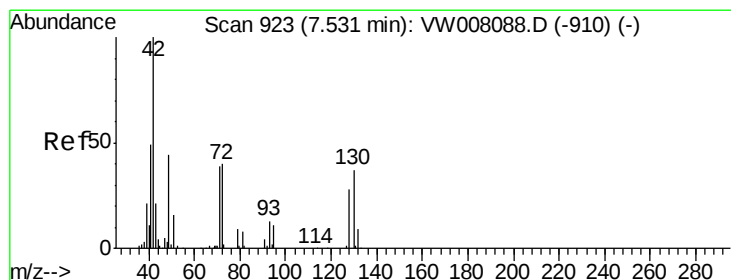
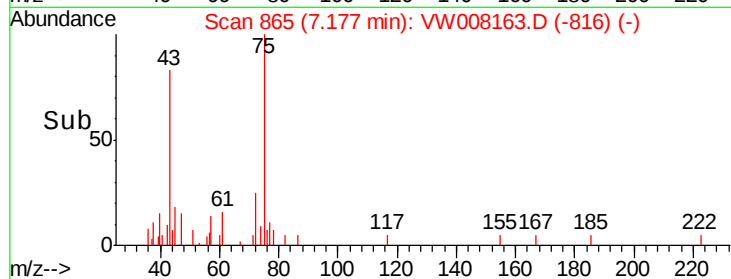
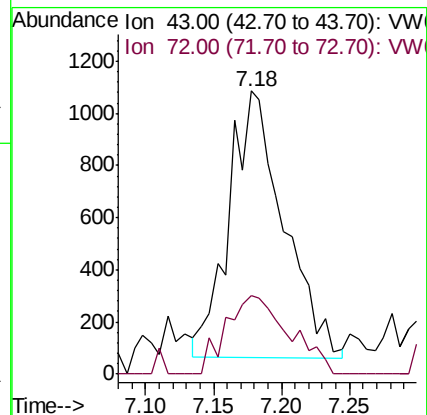
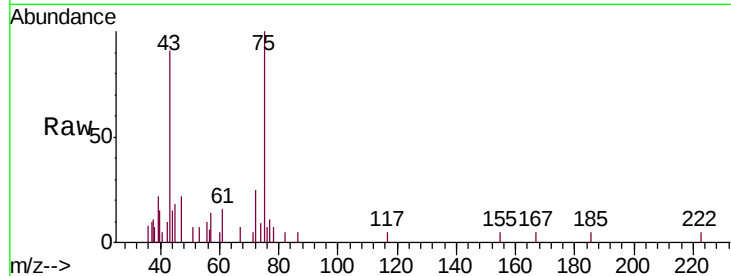
Instrument :
MSVOA_W
ClientSampleId :
CPSB-06(15-20)MS

Tgt Ion: 43 Resp: 2877

Ion Ratio Lower Upper

43 100

72 30.4 20.5 30.7



#29

Tetrahydrofuran

Concen: 1.603 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008163.D

Acq: 10 Jan 2019 21:39

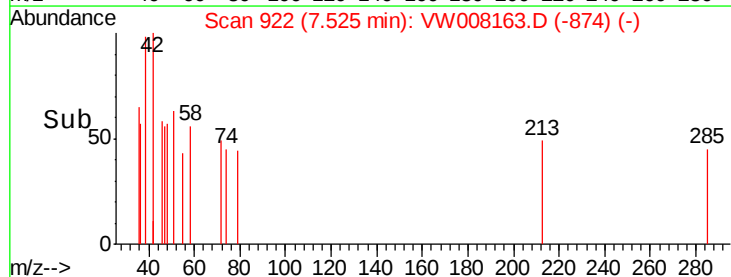
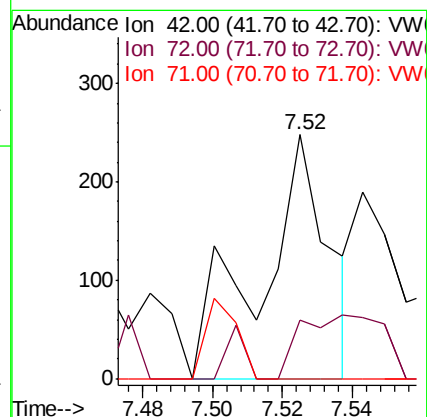
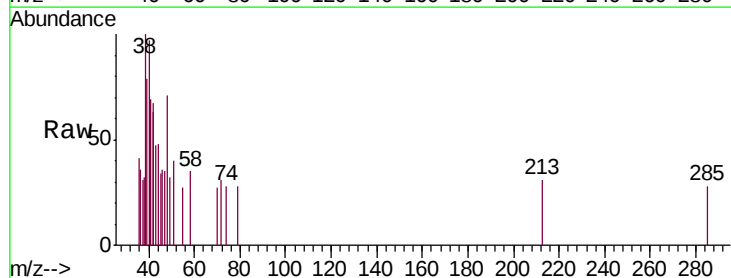
Tgt Ion: 42 Resp: 334

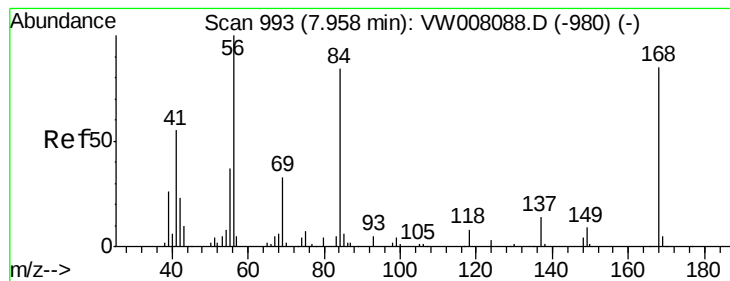
Ion Ratio Lower Upper

42 100

72 32.0 32.4 48.6#

71 0.0 31.3 46.9#





#31

Cyclohexane

Concen: 1.113 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008163.D

Acq: 10 Jan 2019 21:39

Instrument :

MSVOA_W

ClientSampleId :

CPSB-06(15-20)MS

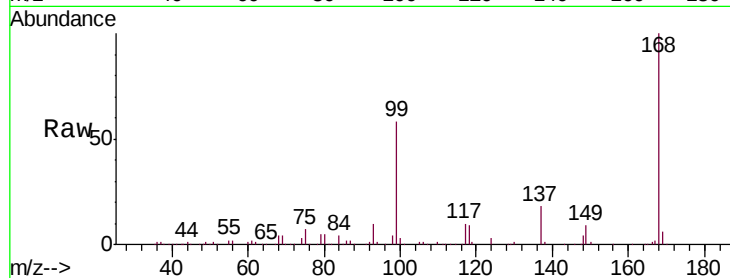
Tgt Ion: 56 Resp: 2627

Ion Ratio Lower Upper

56 100

69 166.9 26.2 39.4#

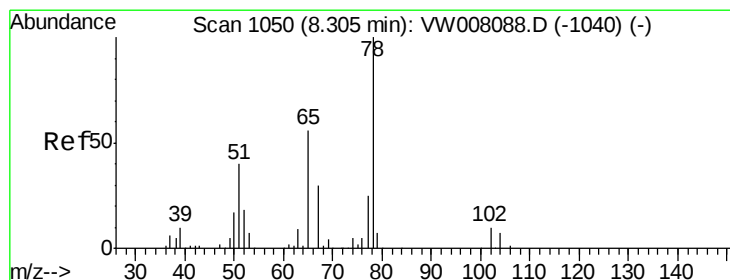
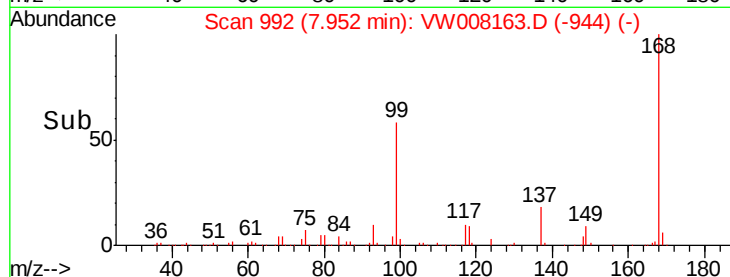
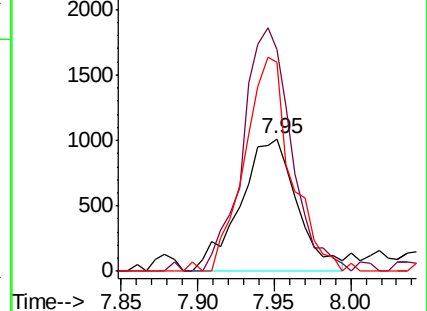
84 152.6 67.4 101.2#



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: 52.057 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008163.D

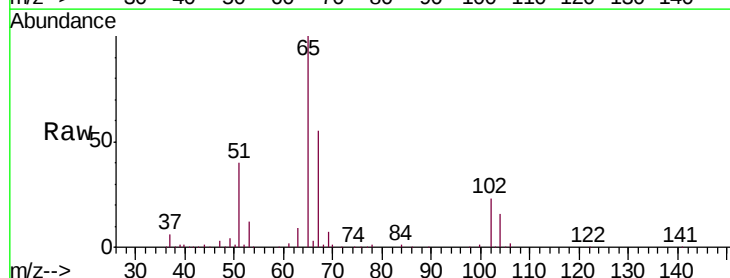
Acq: 10 Jan 2019 21:39

Tgt Ion: 65 Resp: 58368

Ion Ratio Lower Upper

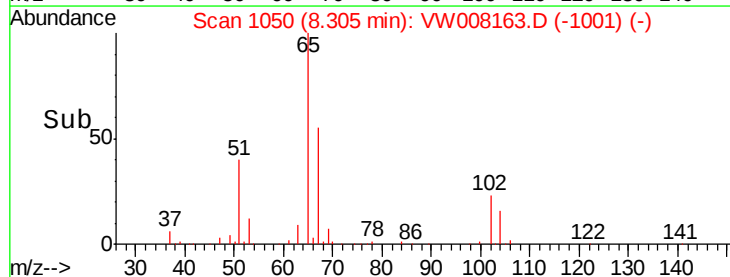
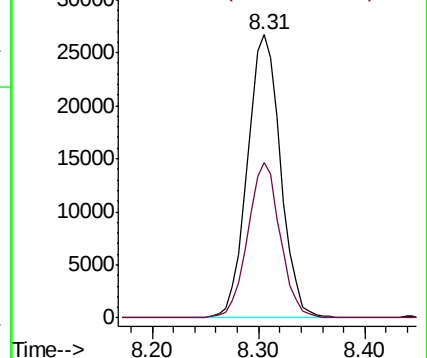
65 100

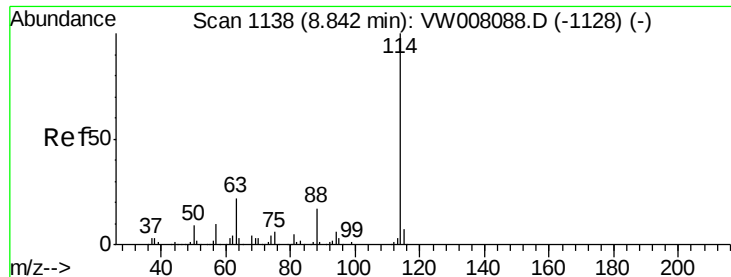
67 53.6 0.0 106.8



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: VW008163.D

Acq: 10 Jan 2019 21:39

Instrument :

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ClientSampleId :

CPSB-06(15-20)MS

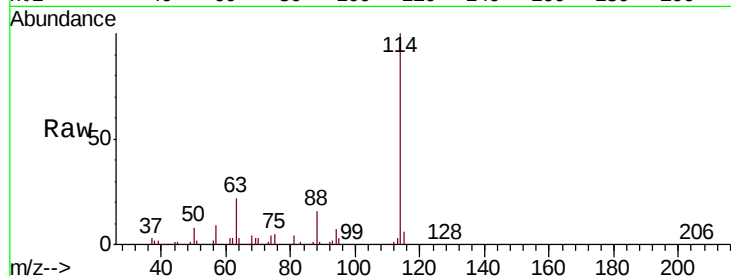
Tgt Ion:114 Resp: 180989

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

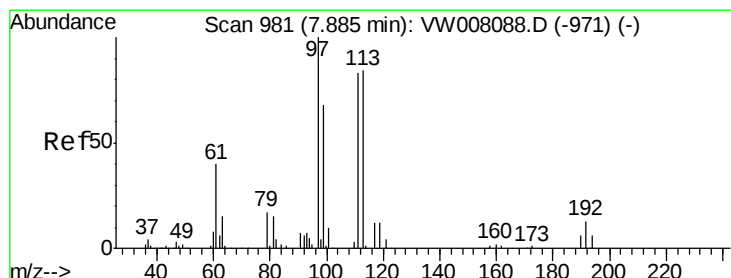
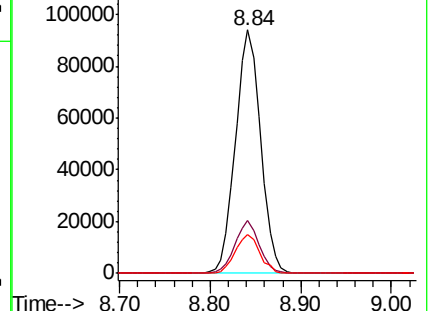
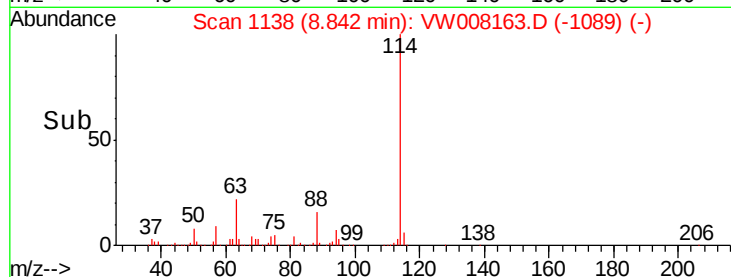
88 16.0 0.0 33.4



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



#35

Dibromofluoromethane

Concen: 53.459 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008163.D

Acq: 10 Jan 2019 21:39

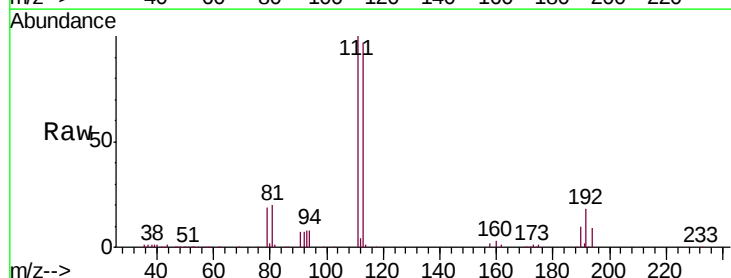
Tgt Ion:113 Resp: 56431

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

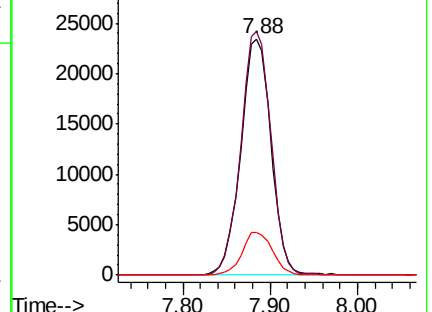
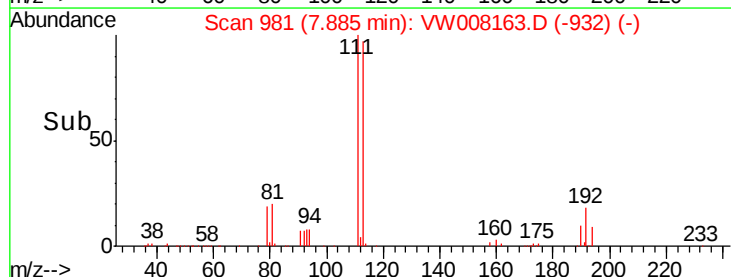
192 18.2 12.8 19.2

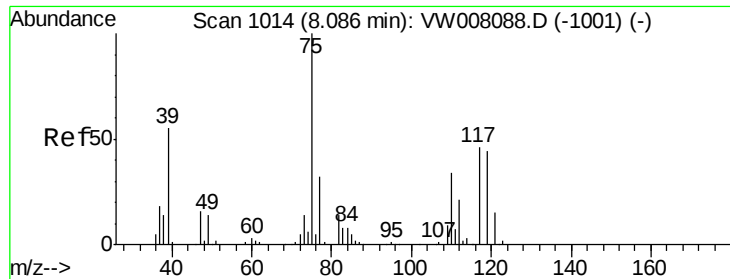


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

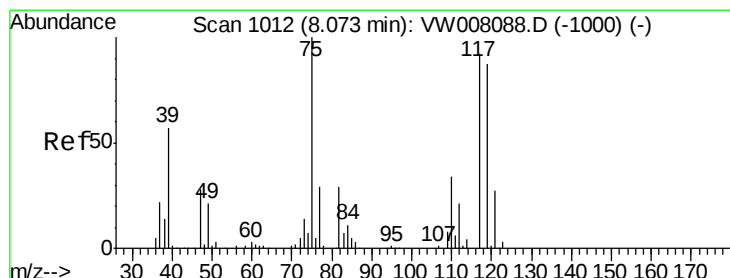
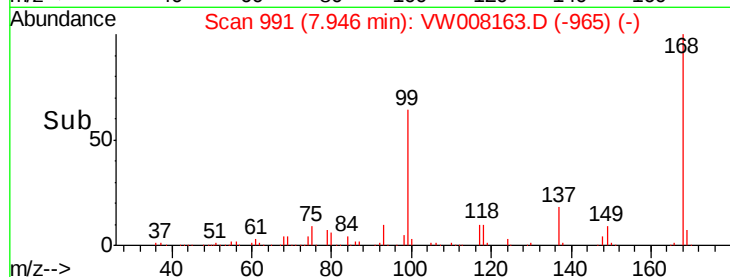
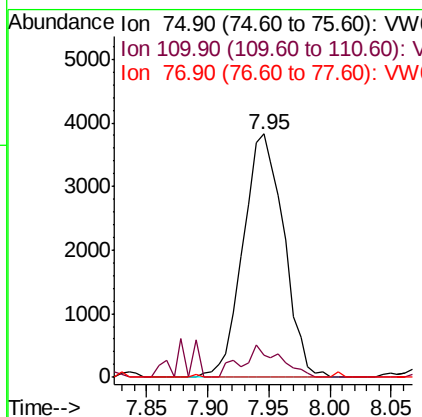
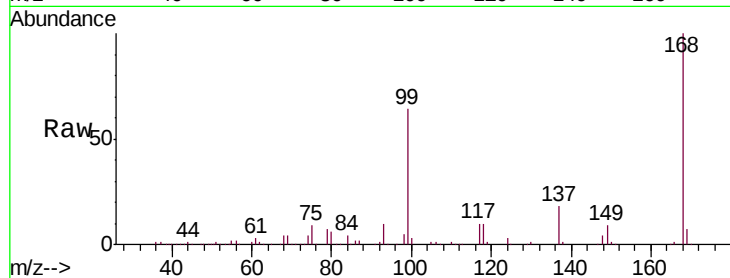




#36
 1,1-Dichloropropene
 Concen: 4.754 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008163.D
 Acq: 10 Jan 2019 21:39

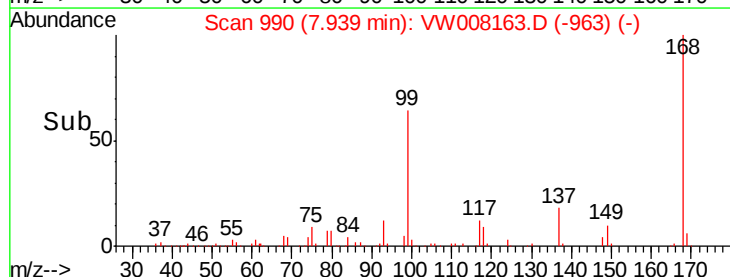
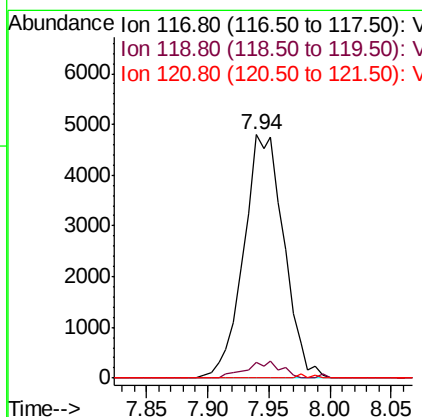
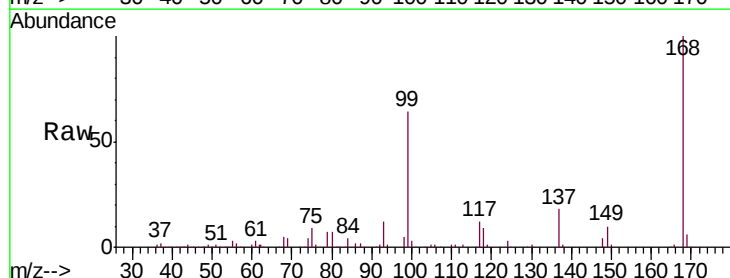
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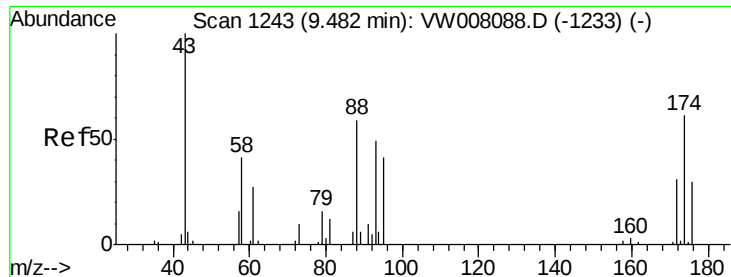
Tgt Ion: 75 Resp: 8864
 Ion Ratio Lower Upper
 75 100
 110 12.5 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.434 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW008163.D
 Acq: 10 Jan 2019 21:39

Tgt Ion: 117 Resp: 10979
 Ion Ratio Lower Upper
 117 100
 119 6.2 75.8 113.8#
 121 0.0 23.7 35.5#

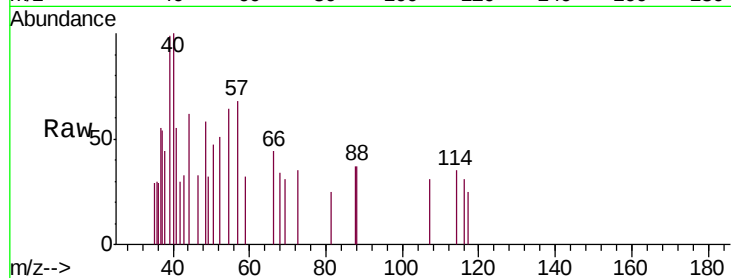




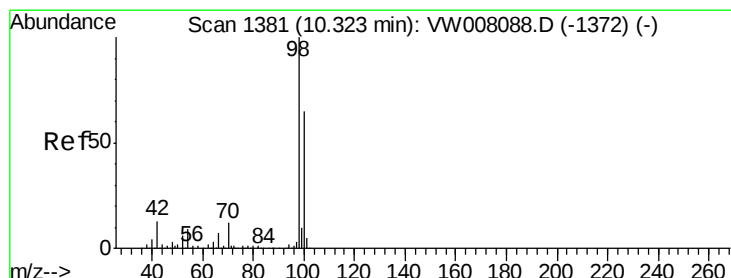
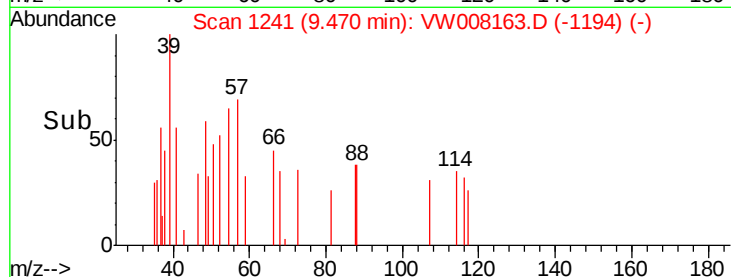
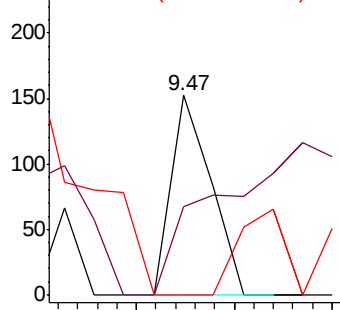
#49
 1,4-Dioxane
 Concen: 8.684 ug/l
 RT: 9.47 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VW008163.D
 Acq: 10 Jan 2019 21:39

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

Tgt Ion: 88 Resp: 86
 Ion Ratio Lower Upper
 88 100
 43 0.0 0.0 0.0
 58 50.0 61.7 92.5#

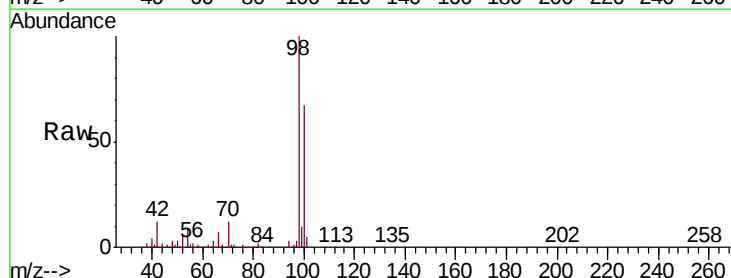


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

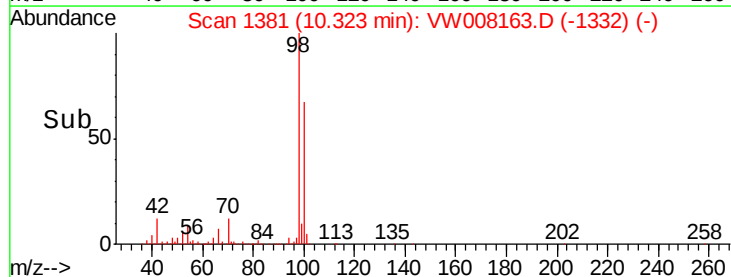
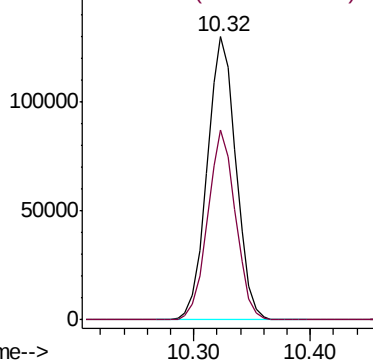


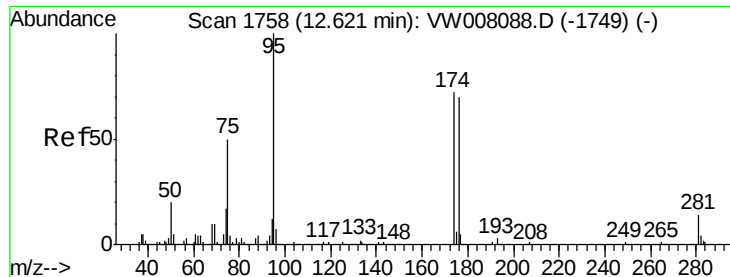
#50
 Toluene-d8
 Concen: 50.545 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW008163.D
 Acq: 10 Jan 2019 21:39

Tgt Ion: 98 Resp: 223898
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.7 77.5



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

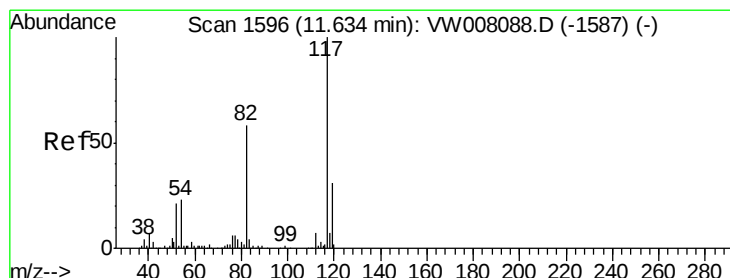
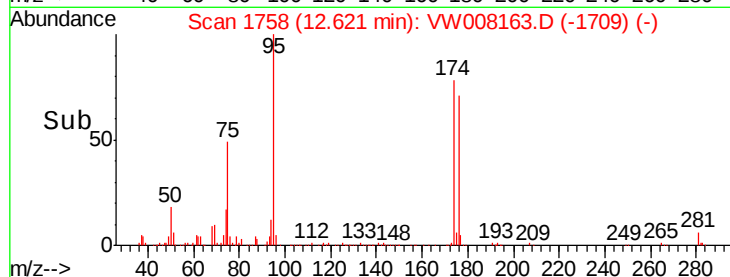
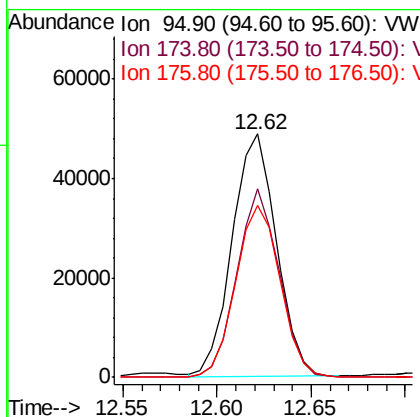
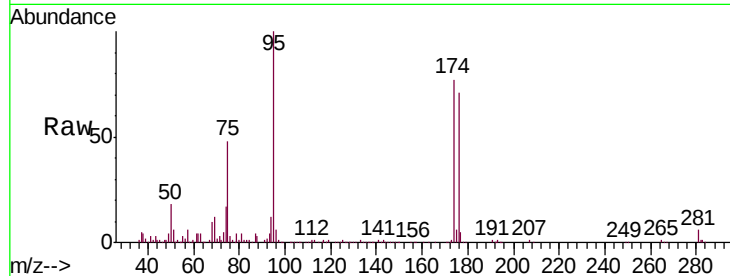




#62
4-Bromofluorobenzene
Concen: 49.790 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008163.D
Acq: 10 Jan 2019 21:39

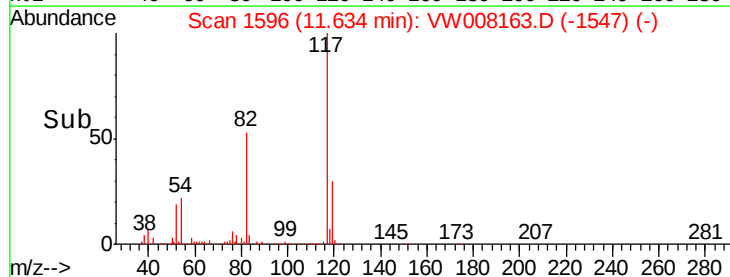
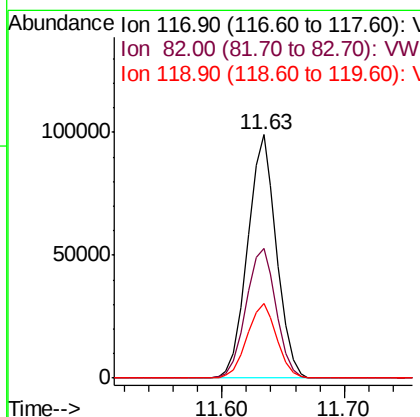
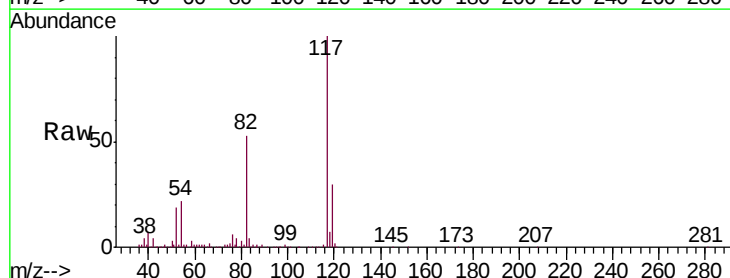
Instrument :
MSVOA_W
ClientSampleId :
CPSB-06(15-20)MS

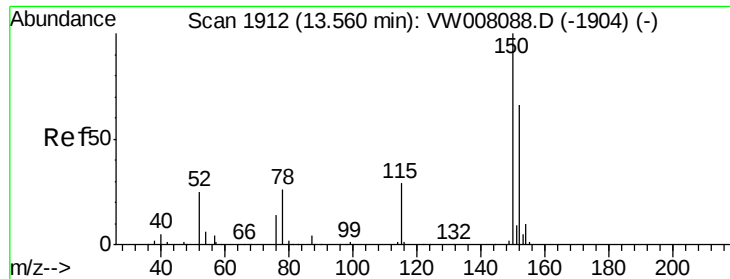
Tgt Ion: 95 Resp: 79068
Ion Ratio Lower Upper
95 100
174 74.6 0.0 143.0
176 71.5 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008163.D
Acq: 10 Jan 2019 21:39

Tgt Ion: 117 Resp: 162219
Ion Ratio Lower Upper
117 100
82 53.1 46.4 69.6
119 30.5 24.7 37.1



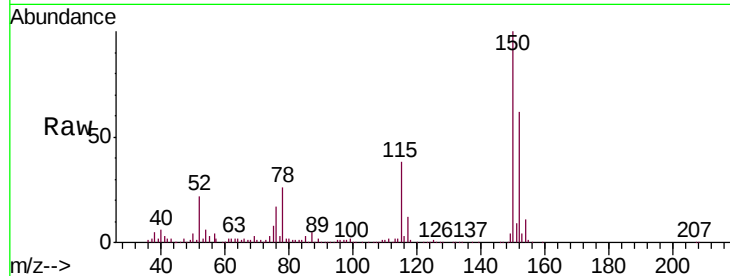


#72

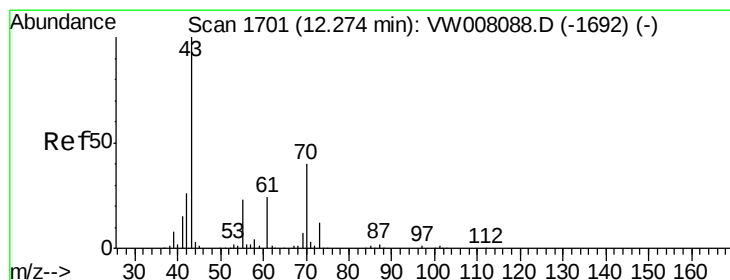
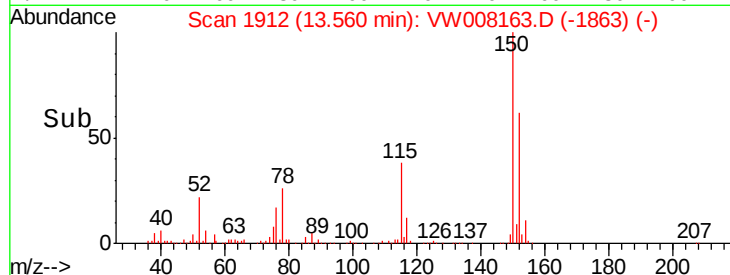
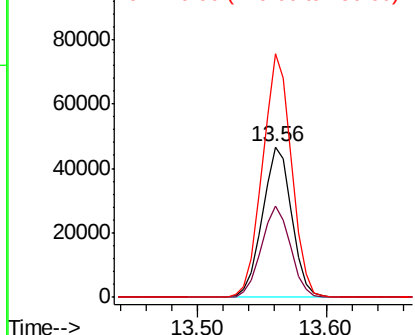
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008163.D
Acq: 10 Jan 2019 21:39

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

Tgt Ion:152 Resp: 73640
Ion Ratio Lower Upper
152 100
115 59.8 30.8 92.4
150 159.3 0.0 350.2



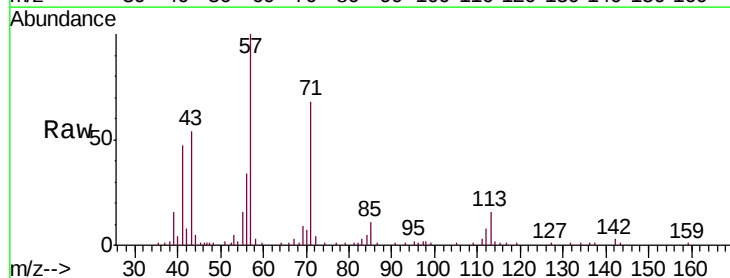
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



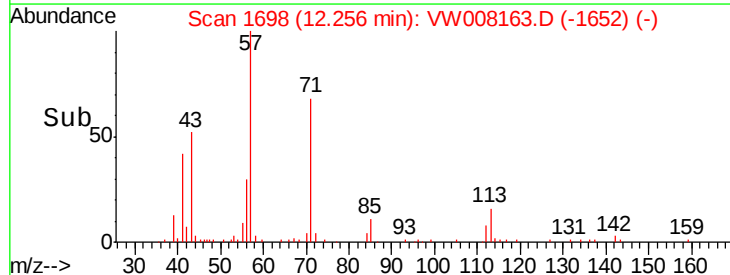
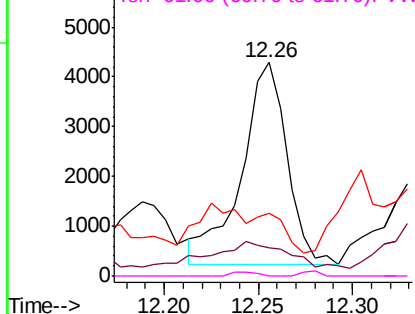
#74

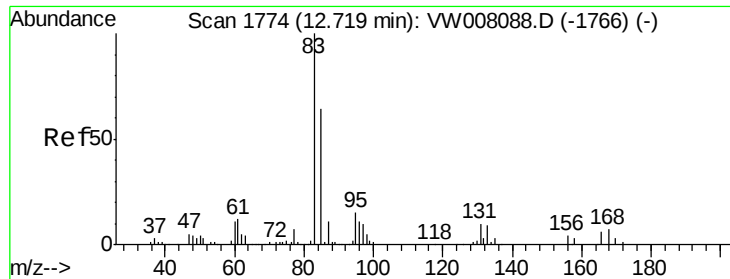
N-ethyl acetate
Concen: 5.285 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW008163.D
Acq: 10 Jan 2019 21:39

Tgt Ion: 43 Resp: 6767
Ion Ratio Lower Upper
43 100
70 20.3 32.4 48.6#
55 0.0 18.7 28.1#
61 1.2 19.0 28.6#



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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.185 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW008163.D

Acq: 10 Jan 2019 21:39

Instrument :

MSVOA_W

ClientSampleId :

CPSB-06(15-20)MS

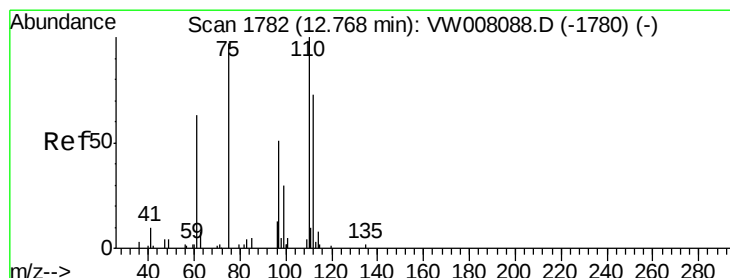
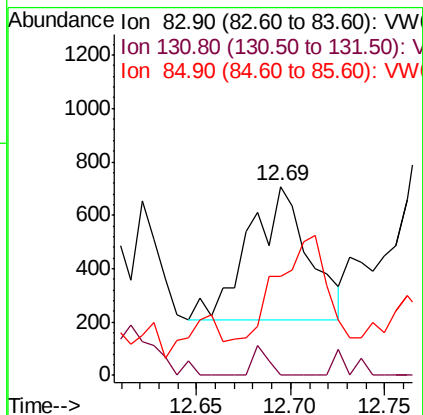
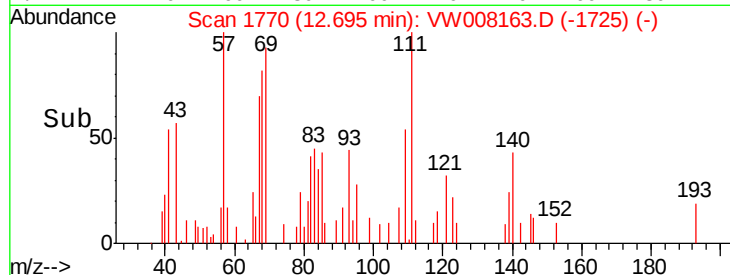
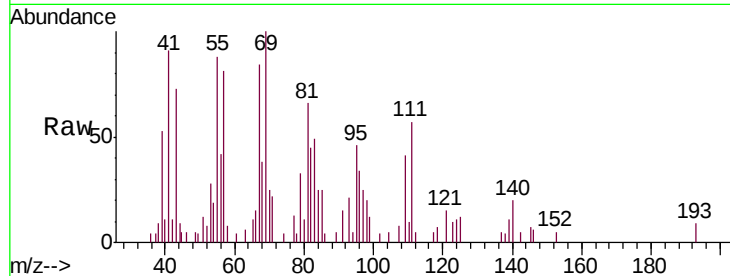
Tgt Ion: 83 Resp: 1097

Ion Ratio Lower Upper

83 100

131 5.6 5.3 16.1

85 0.0 32.4 97.2#



#76

1,2,3-Trichloropropane

Concen: 57.647 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008163.D

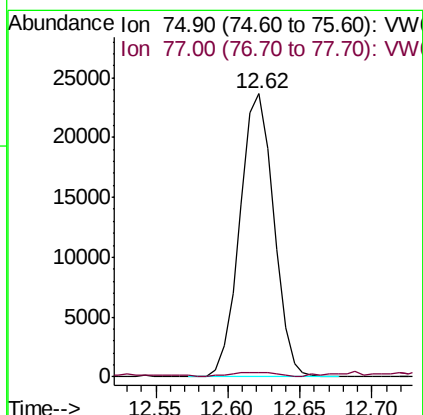
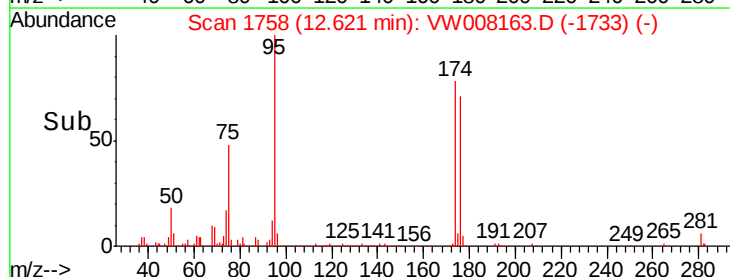
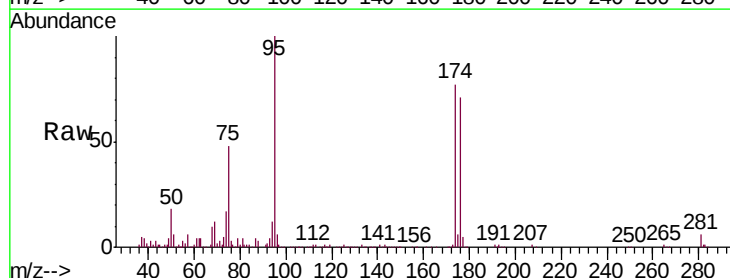
Acq: 10 Jan 2019 21:39

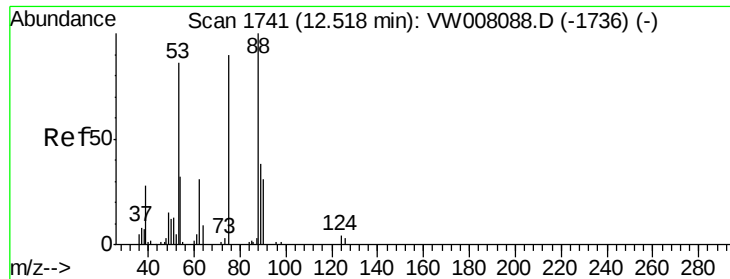
Tgt Ion: 75 Resp: 38699

Ion Ratio Lower Upper

75 100

77 1.8 179.4 538.2#

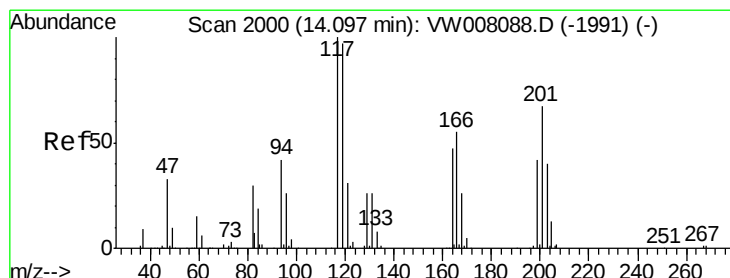
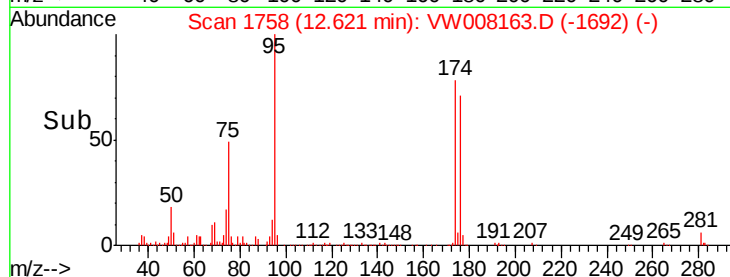
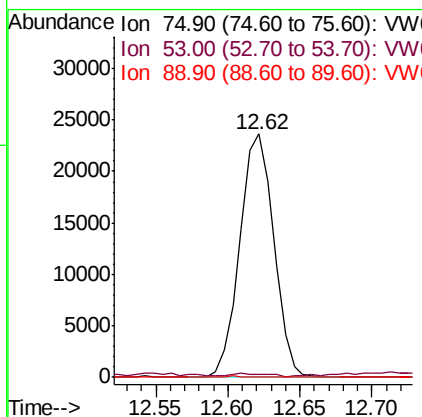
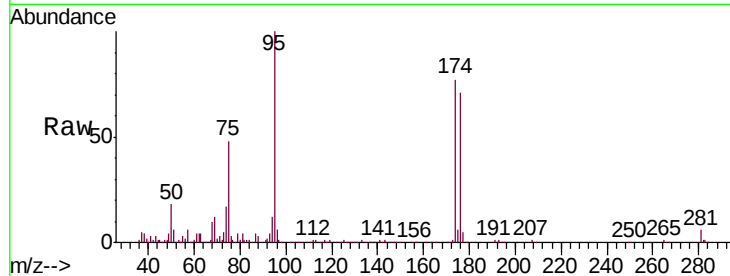




#81
trans-1,4-Dichloro-2-butene
Concen: 134.243 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW008163.D
Acq: 10 Jan 2019 21:39

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

Tgt Ion: 75 Resp: 38699
Ion Ratio Lower Upper
75 100
53 1.0 78.8 118.2#
89 0.1 35.4 53.2#



#90
Hexachloroethane
Concen: 3.039 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW008163.D
Acq: 10 Jan 2019 21:39

Tgt Ion: 117 Resp: 2729
Ion Ratio Lower Upper
117 100
201 0.0 33.0 98.9#

