

Data File : VW008206.D
Acq On : 11 Jan 2019 20:37
Operator : SY/VA
Sample : K1102-03RE
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CPSB-02(15-20)

Quant Time: Jan 12 00:17:52 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	107066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	188192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	171080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	80084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	60318	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.88	113	57792	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
50) Toluene-d8	10.32	98	234310	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.62	95	80466	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds

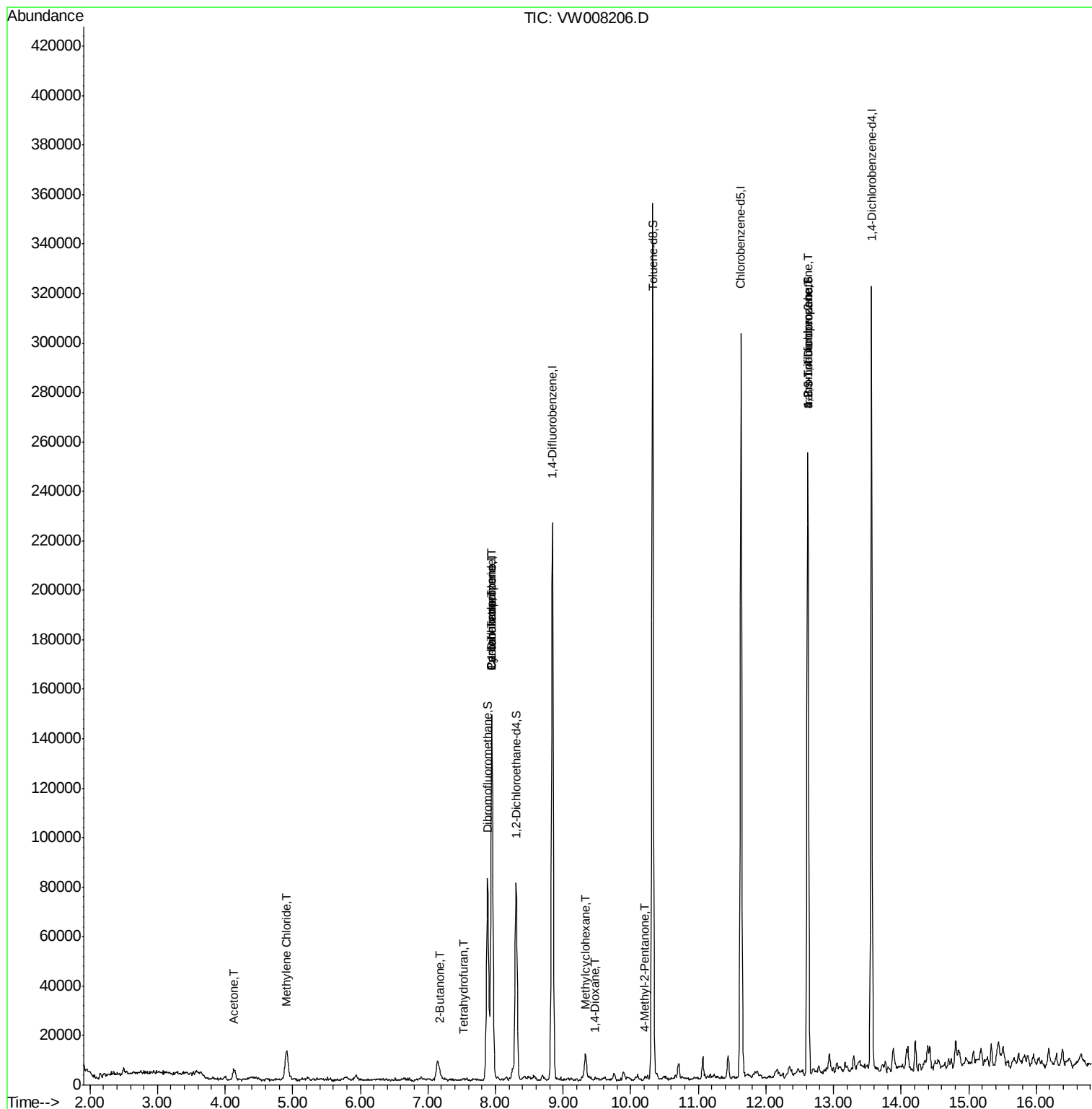
						Qvalue
11) Tert butyl alcohol	5.18	59	557	Below Cal	#	100
13) Acrolein	3.89	56	115	Below Cal	#	14
16) Acetone	4.13	43	8456	19.603	ug/l	98
20) Methylene Chloride	4.91	84	9817	3.848	ug/l #	79
25) 2-Butanone	7.18	43	2702	8.070	ug/l	98
29) Tetrahydrofuran	7.54	42	442	1.976	ug/l #	77
31) Cyclohexane	7.95	56	3636	1.436	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	8763	4.520	ug/l #	51
38) Carbon Tetrachloride	7.95	117	11169	6.295	ug/l #	17
39) Methylcyclohexane	9.34	83	4029	1.639	ug/l	88
49) 1,4-Dioxane	9.48	88	49	4.759	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	937	1.247	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	39755	54.455	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	39755	126.809	ug/l #	10

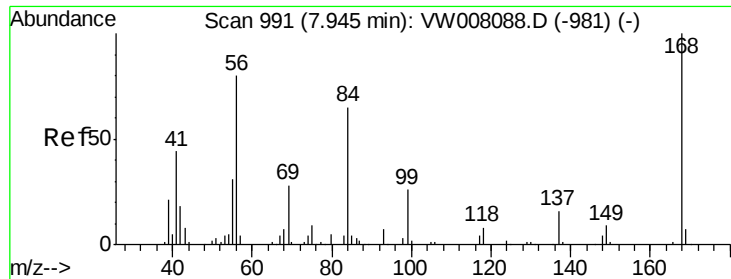
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008206.D

Acq: 11 Jan 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

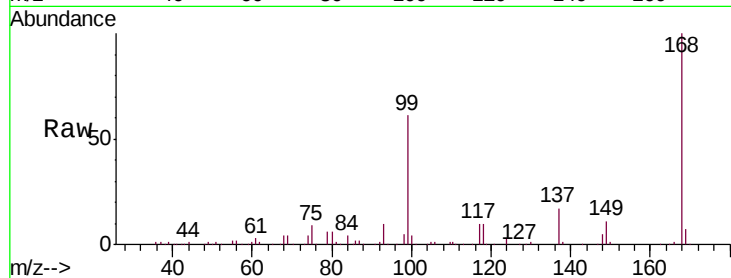
CPSB-02(15-20)

Tgt Ion:168 Resp: 107066

Ion Ratio Lower Upper

168 100

99 60.7 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

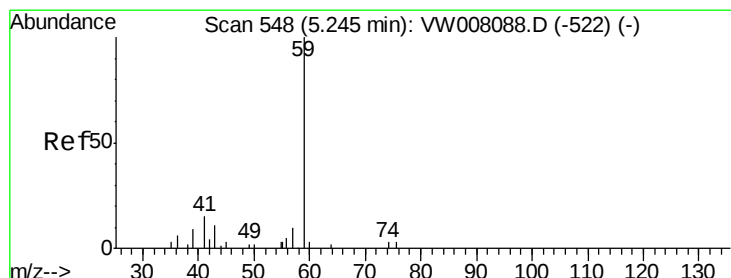
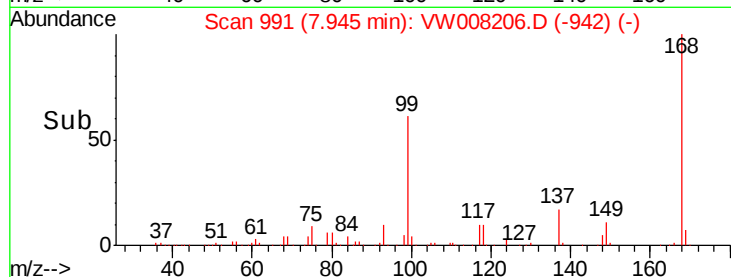
10000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. -0.07 min

Lab File: VW008206.D

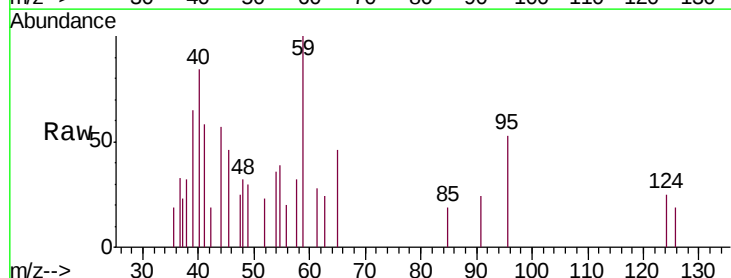
Acq: 11 Jan 2019 20:37

Tgt Ion: 59 Resp: 557

Ion Ratio Lower Upper

59 100

57 6.3 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

300

250

200

150

100

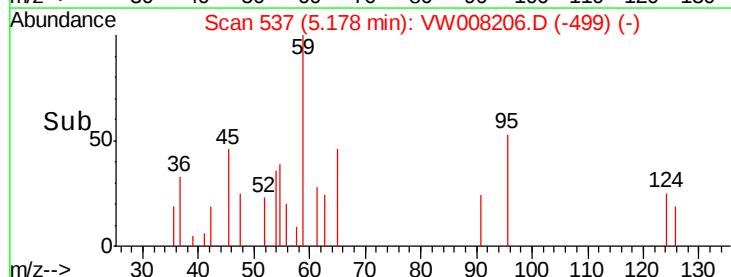
50

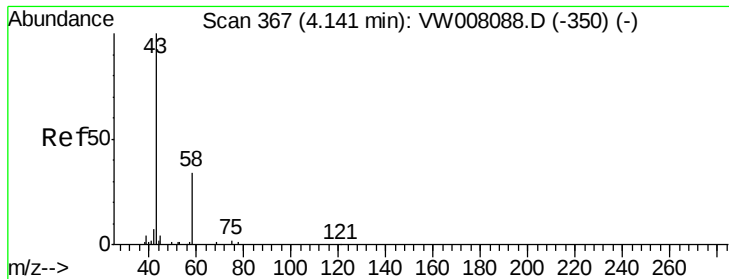
0

5.15

5.20

Time-->





#16

Acetone

Concen: 19.603 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW008206.D

Acq: 11 Jan 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

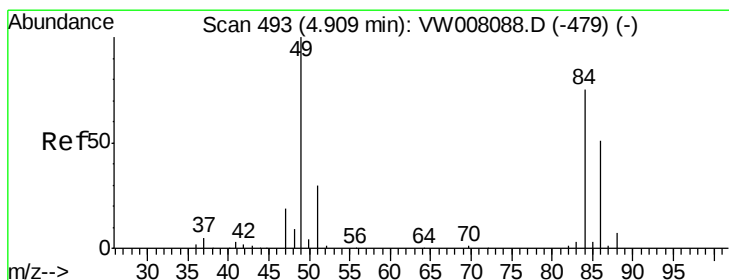
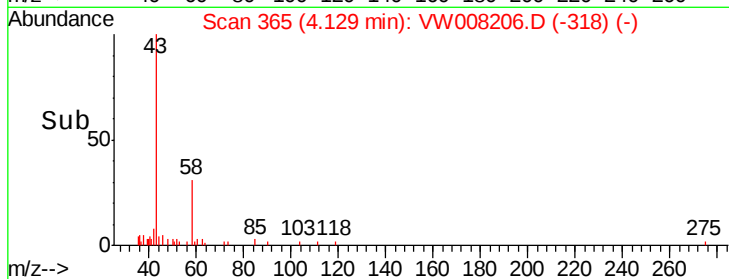
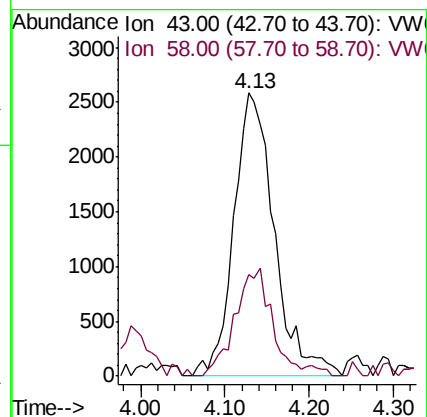
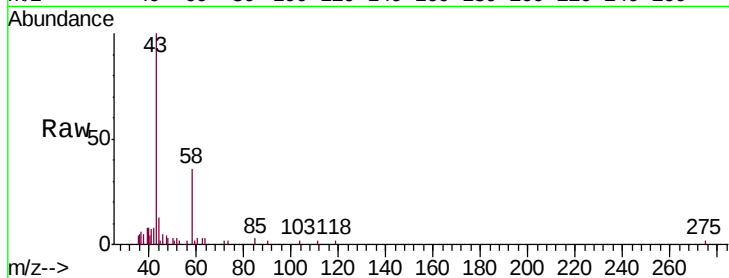
CPSB-02(15-20)

Tgt Ion: 43 Resp: 8456

Ion Ratio Lower Upper

43 100

58 35.7 27.5 41.3



#20

Methylene Chloride

Concen: 3.848 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008206.D

Acq: 11 Jan 2019 20:37

Tgt Ion: 84 Resp: 9817

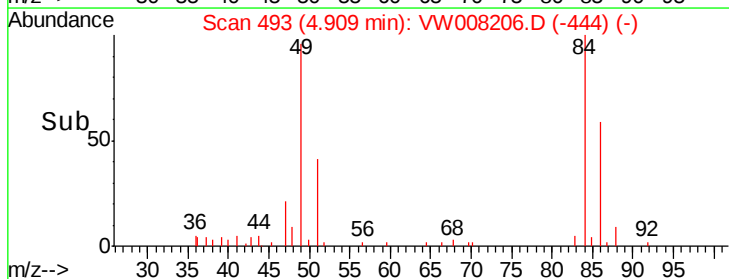
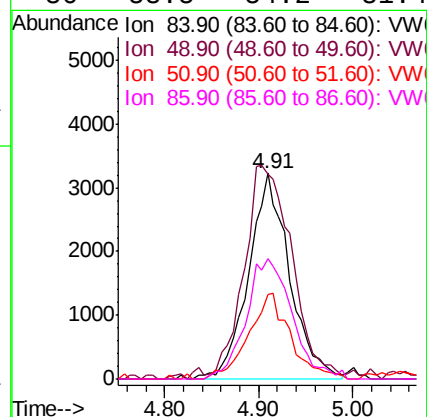
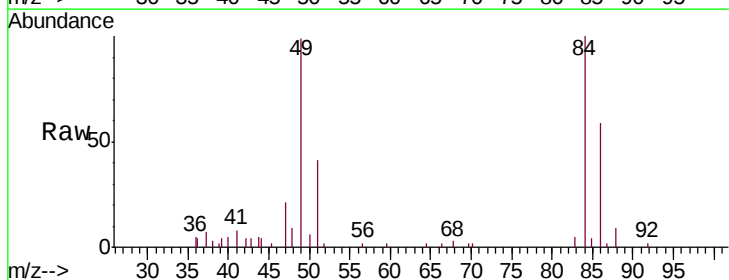
Ion Ratio Lower Upper

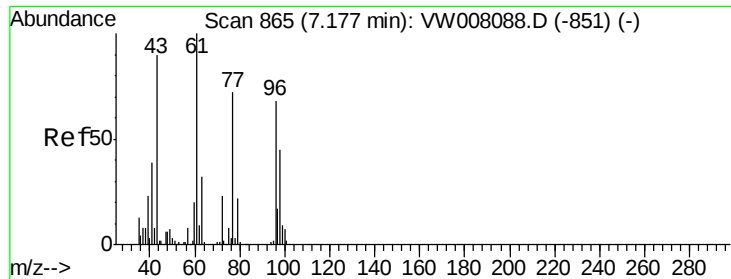
84 100

49 95.9 107.1 160.7#

51 41.2 32.4 48.6

86 58.5 54.2 81.4





#25

2-Butanone

Concen: 8.070 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008206.D

Acq: 11 Jan 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

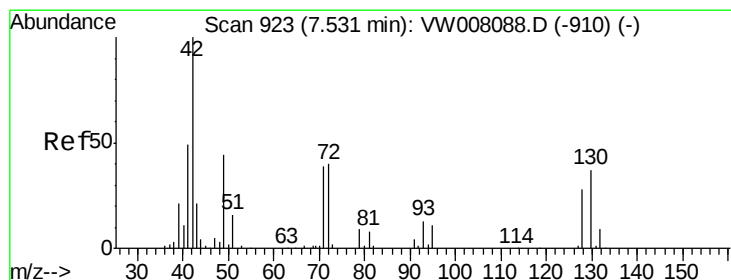
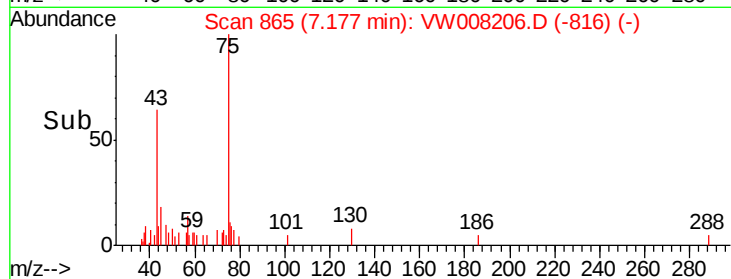
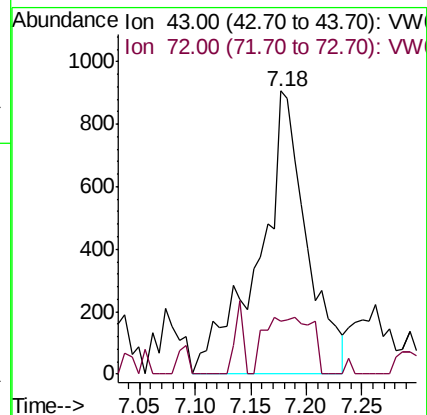
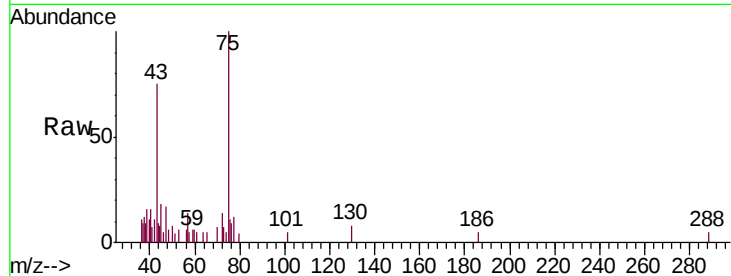
CPSB-02(15-20)

Tgt Ion: 43 Resp: 2702

Ion Ratio Lower Upper

43 100

72 24.8 20.5 30.7



#29

Tetrahydrofuran

Concen: 1.976 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008206.D

Acq: 11 Jan 2019 20:37

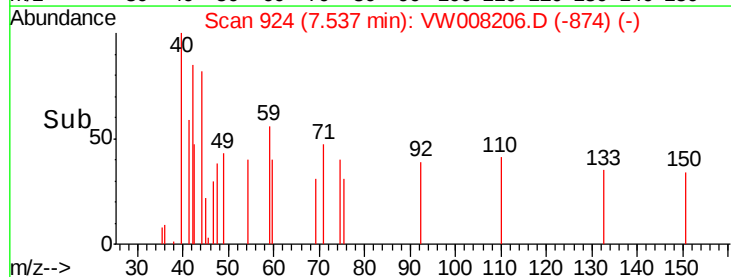
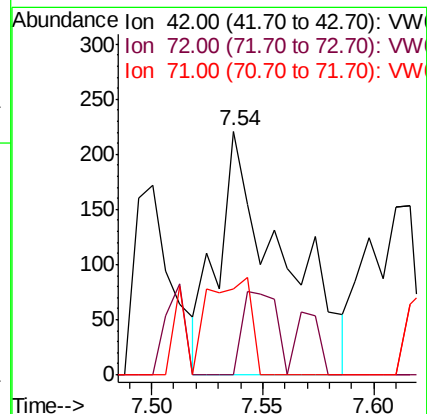
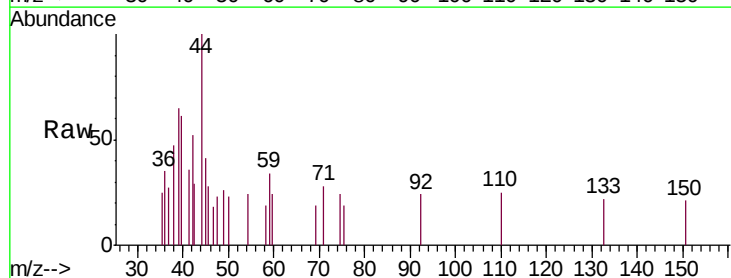
Tgt Ion: 42 Resp: 442

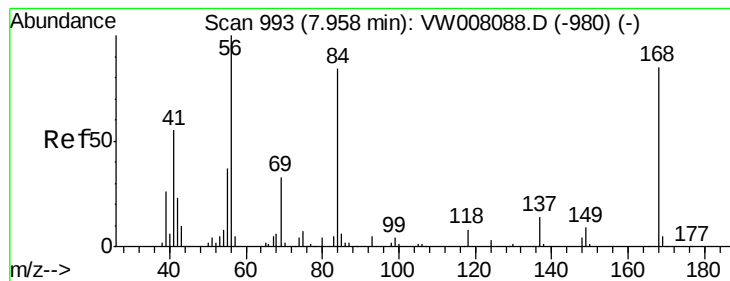
Ion Ratio Lower Upper

42 100

72 17.9 32.4 48.6#

71 33.0 31.3 46.9





#31

Cyclohexane

Concen: 1.436 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008206.D

Acq: 11 Jan 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

CPSB-02(15-20)

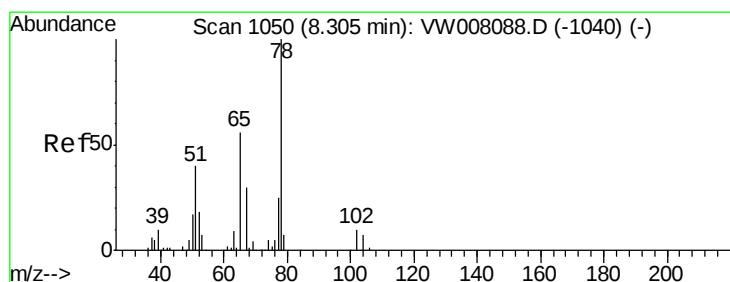
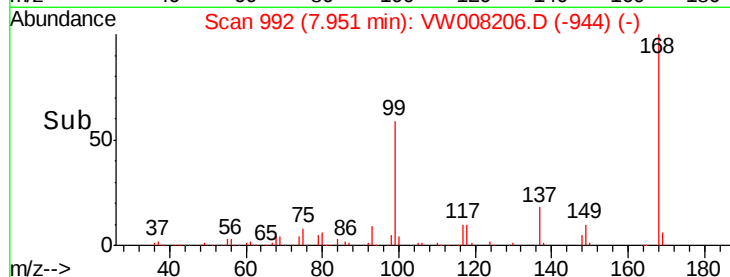
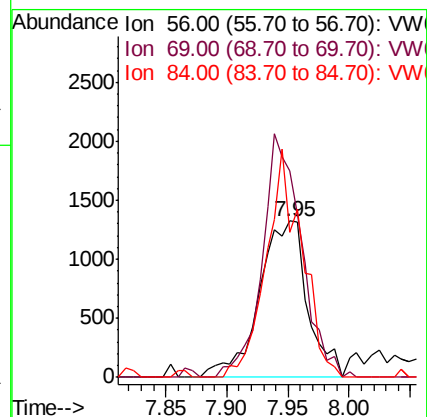
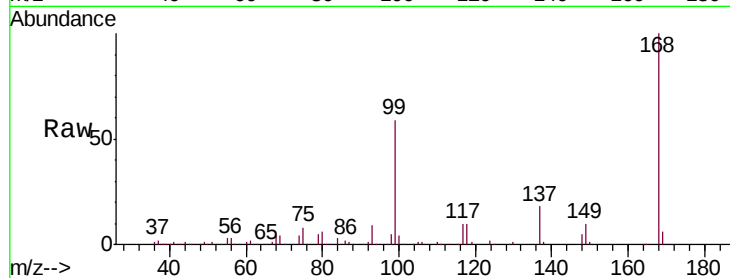
Tgt Ion: 56 Resp: 3636

Ion Ratio Lower Upper

56 100

69 132.1 26.2 39.4#

84 92.5 67.4 101.2



#33

1,2-Dichloroethane-d4

Concen: 50.126 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008206.D

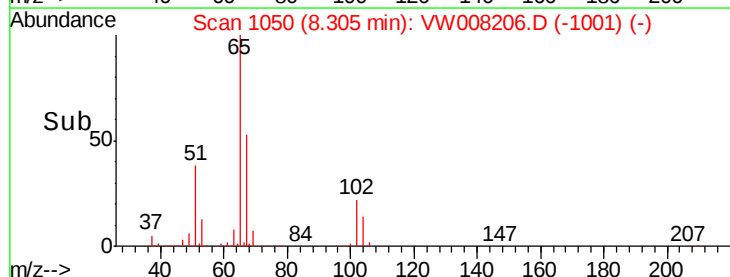
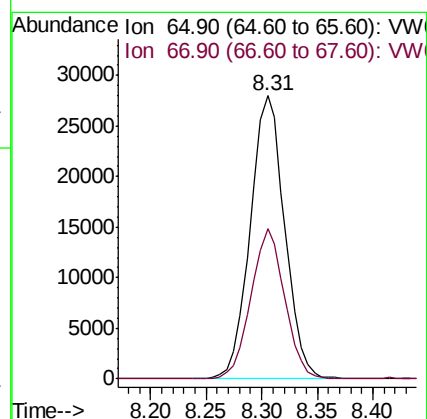
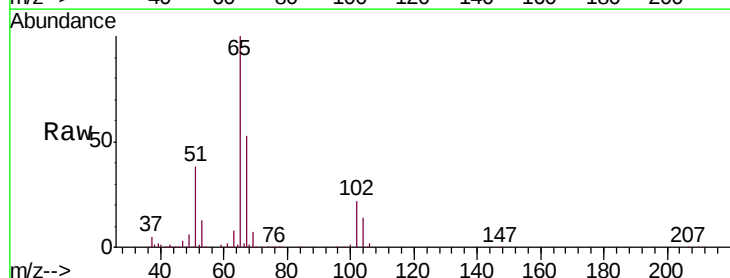
Acq: 11 Jan 2019 20:37

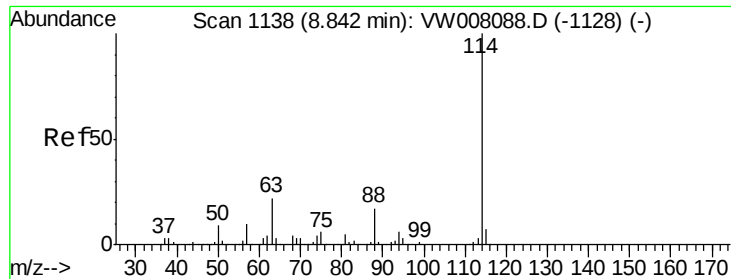
Tgt Ion: 65 Resp: 60318

Ion Ratio Lower Upper

65 100

67 52.0 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: VW008206.D

Acq: 11 Jan 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

CPSB-02(15-20)

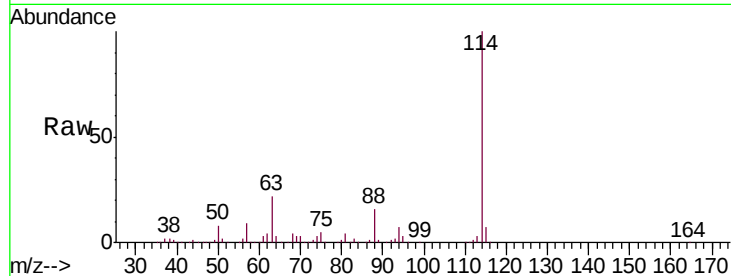
Tgt Ion:114 Resp: 188192

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.4

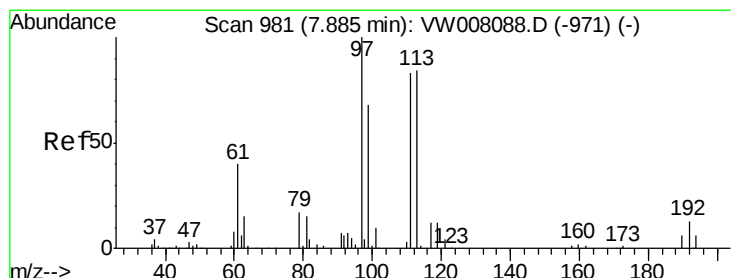
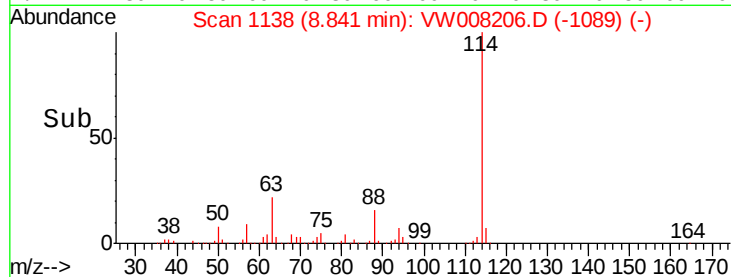
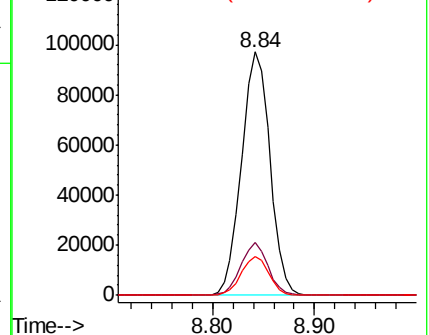
88 15.9 0.0 33.4



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: 52.653 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008206.D

Acq: 11 Jan 2019 20:37

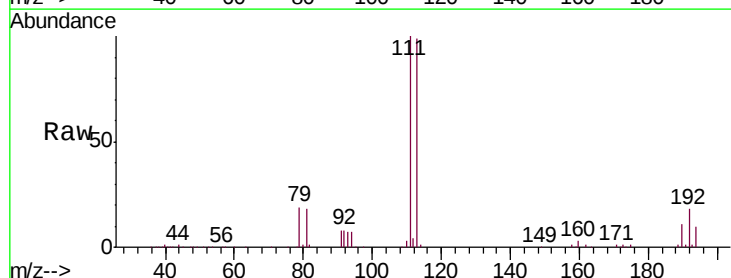
Tgt Ion:113 Resp: 57792

Ion Ratio Lower Upper

113 100

111 104.5 81.8 122.8

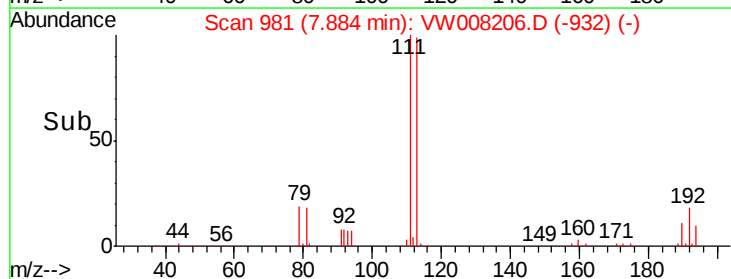
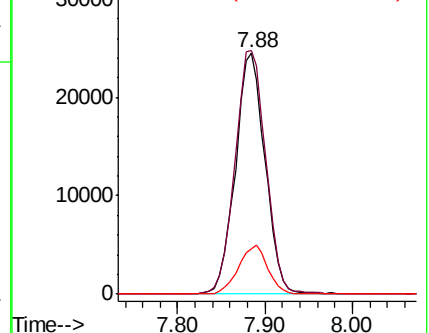
192 19.9 12.8 19.2#

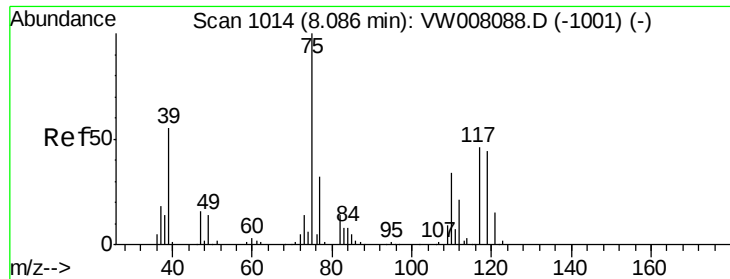


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

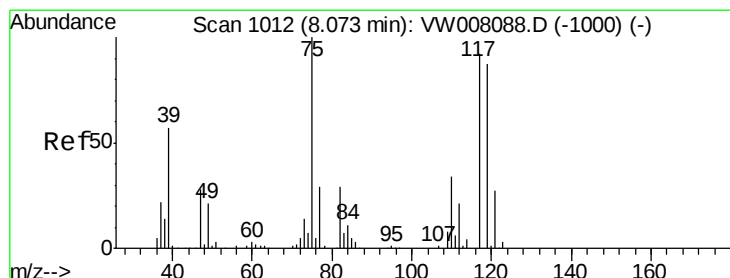
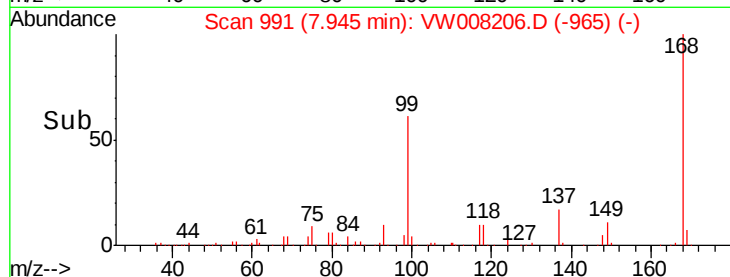
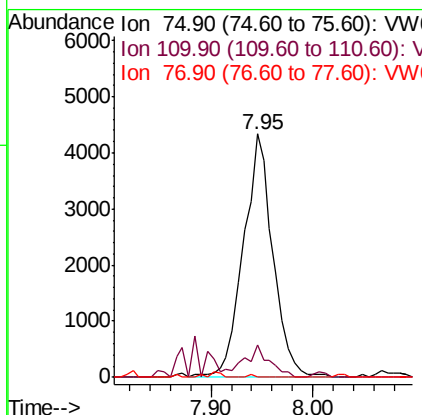
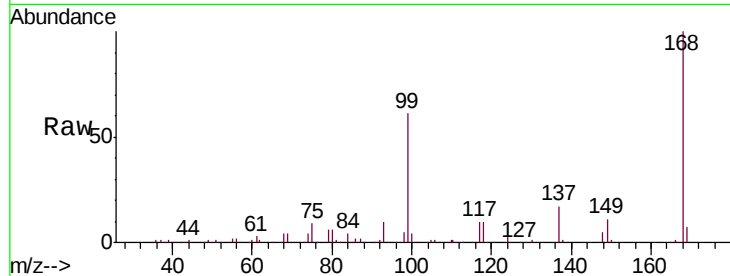




#36
 1,1-Dichloropropene
 Concen: 4.520 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008206.D
 Acq: 11 Jan 2019 20:37

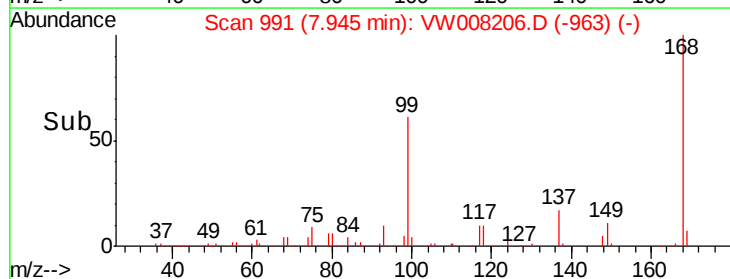
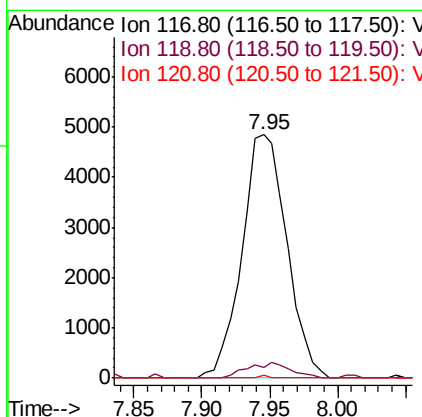
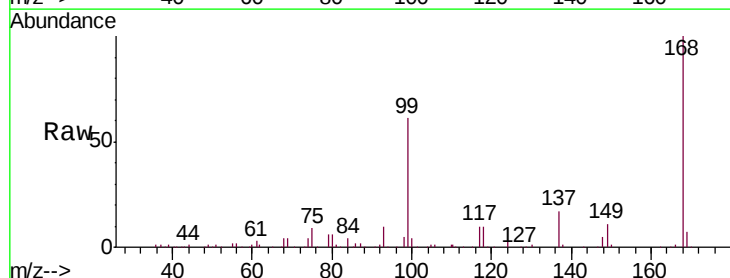
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 CPSB-02(15-20)

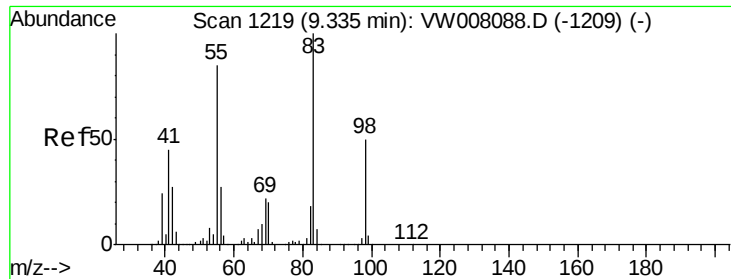
Tgt Ion: 75 Resp: 8763
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.1 51.3#
 77 0.2 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.295 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008206.D
 Acq: 11 Jan 2019 20:37

Tgt Ion: 117 Resp: 11169
 Ion Ratio Lower Upper
 117 100
 119 4.6 75.8 113.8#
 121 1.3 23.7 35.5#

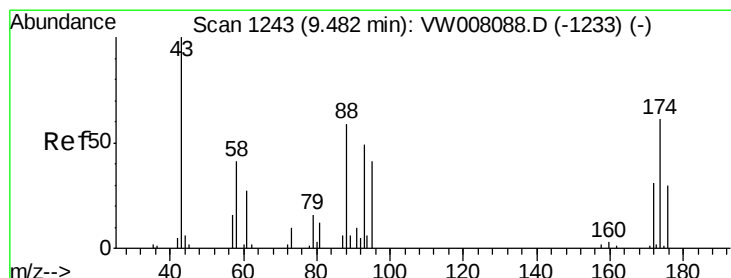
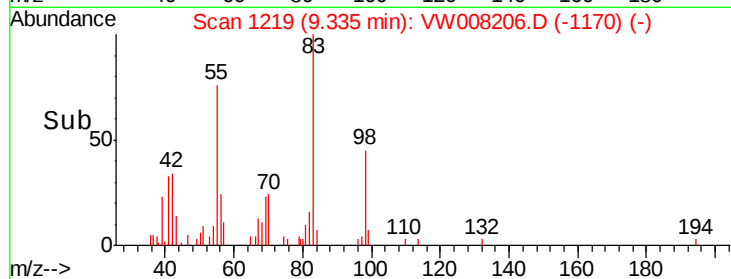
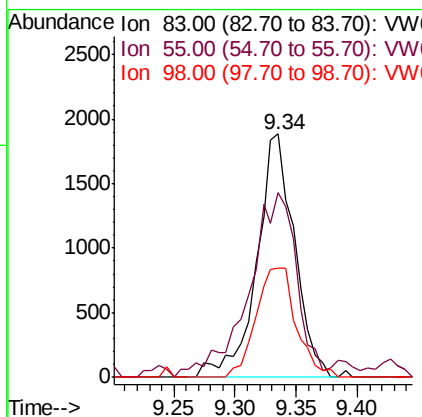
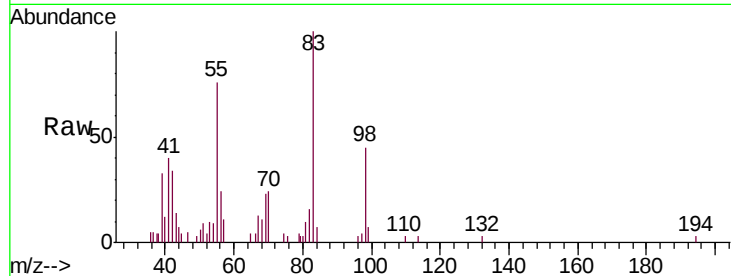




#39
Methylcyclohexane
Concen: 1.639 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008206.D
Acq: 11 Jan 2019 20:37

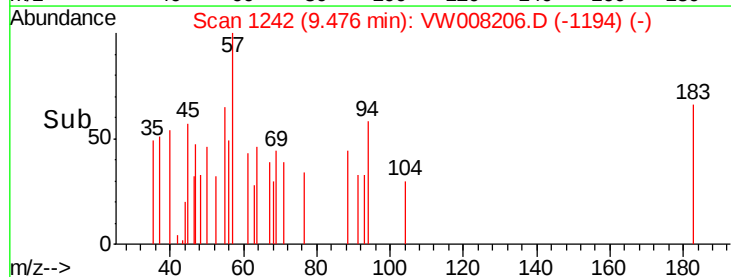
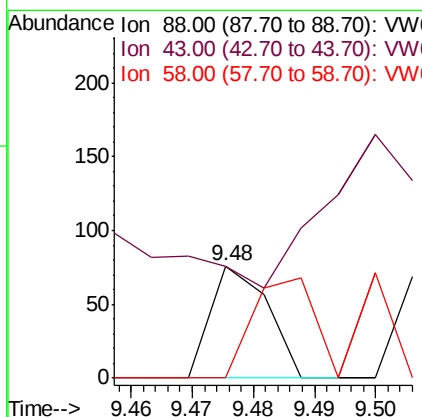
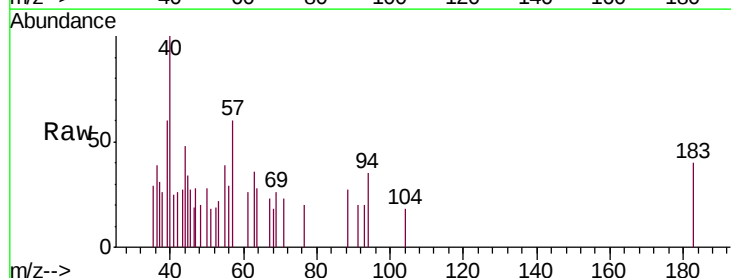
Instrument :
MSVOA_W
ClientSampleId :
CPSB-02(15-20)

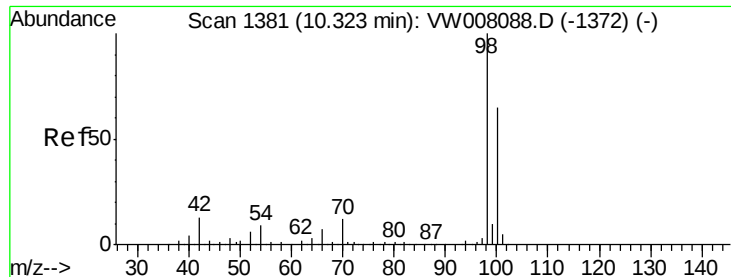
Tgt Ion: 83 Resp: 4029
Ion Ratio Lower Upper
83 100
55 72.3 67.8 101.6
98 44.7 40.2 60.4



#49
1,4-Dioxane
Concen: 4.759 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW008206.D
Acq: 11 Jan 2019 20:37

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 95.9 61.7 92.5#





#50

Toluene-d8

Concen: 50.871 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008206.D

Acq: 11 Jan 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

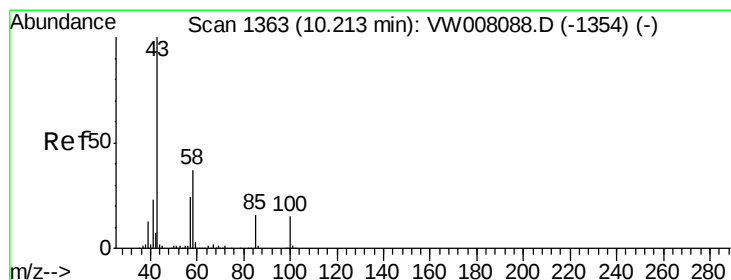
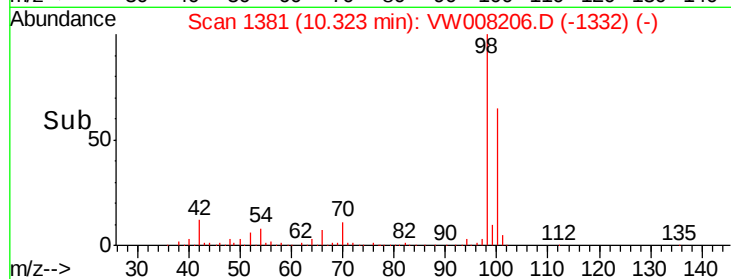
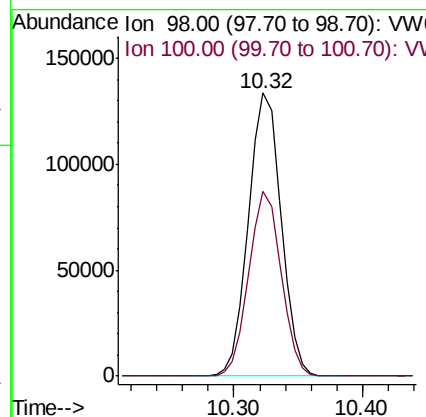
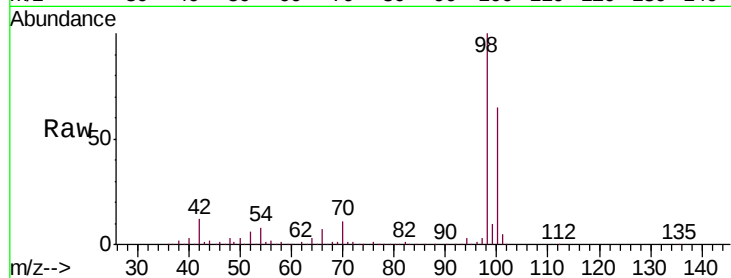
CPSB-02(15-20)

Tgt Ion: 98 Resp: 234310

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.247 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008206.D

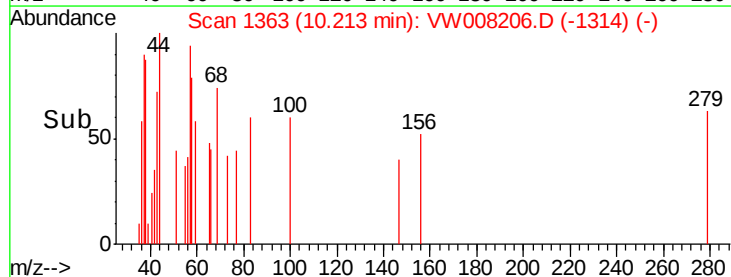
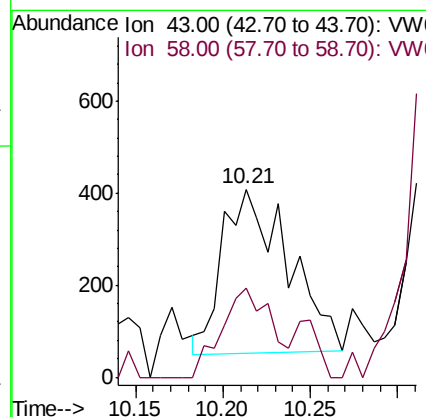
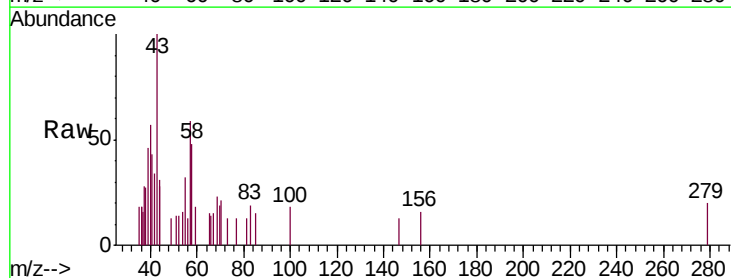
Acq: 11 Jan 2019 20:37

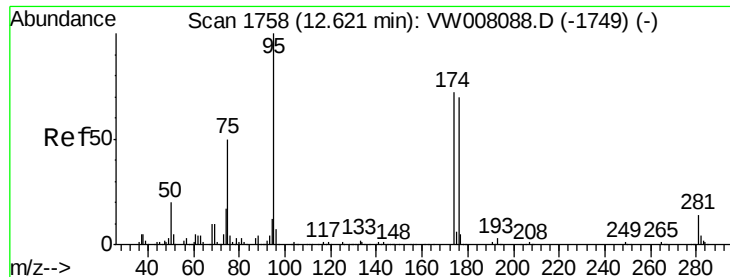
Tgt Ion: 43 Resp: 937

Ion Ratio Lower Upper

43 100

58 41.0 30.6 46.0





#62

4-Bromofluorobenzene

Concen: 48.731 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008206.D

Acq: 11 Jan 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

CPSB-02(15-20)

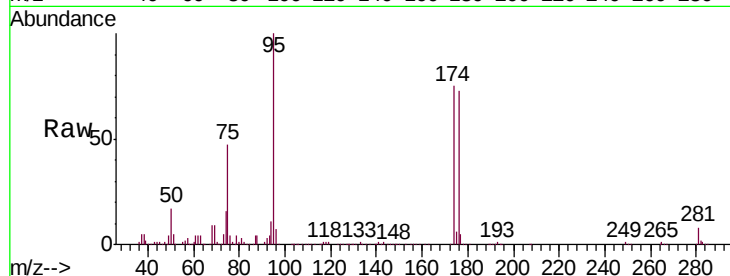
Tgt Ion: 95 Resp: 80466

Ion Ratio Lower Upper

95 100

174 77.3 0.0 143.0

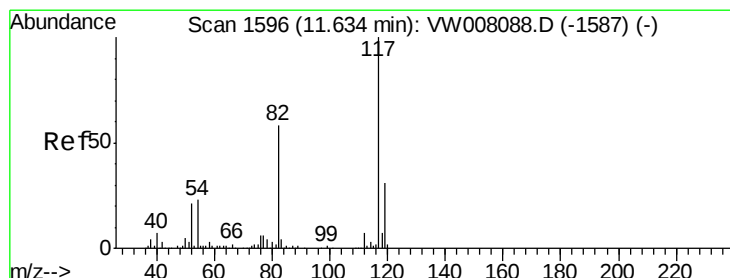
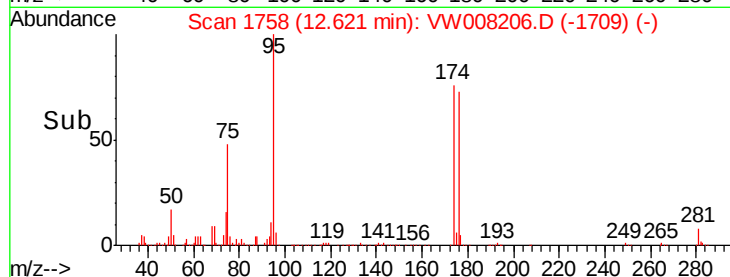
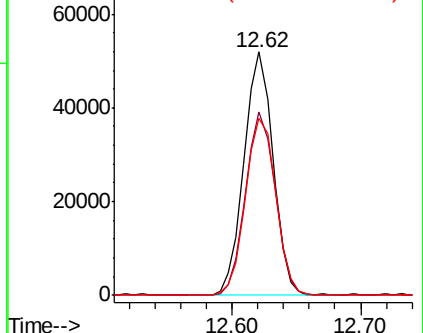
176 76.5 0.0 140.2



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: VW008206.D

Acq: 11 Jan 2019 20:37

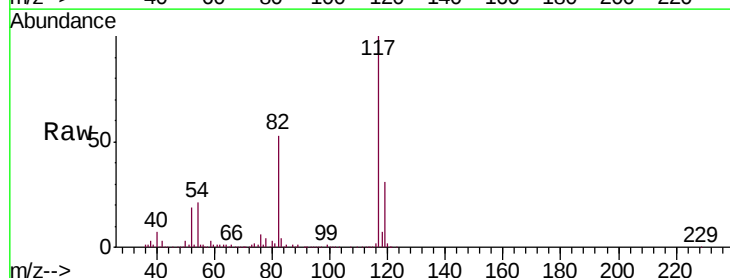
Tgt Ion: 117 Resp: 171080

Ion Ratio Lower Upper

117 100

82 53.1 46.4 69.6

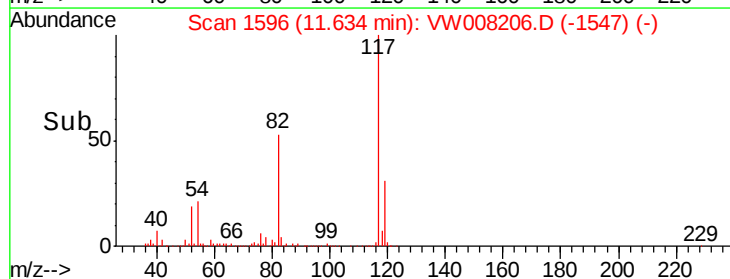
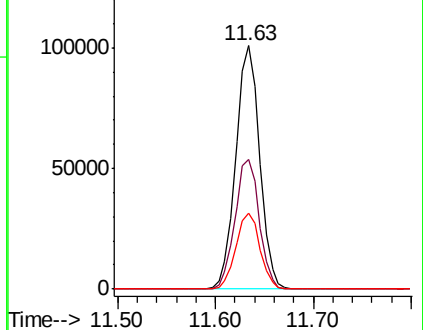
119 31.2 24.7 37.1

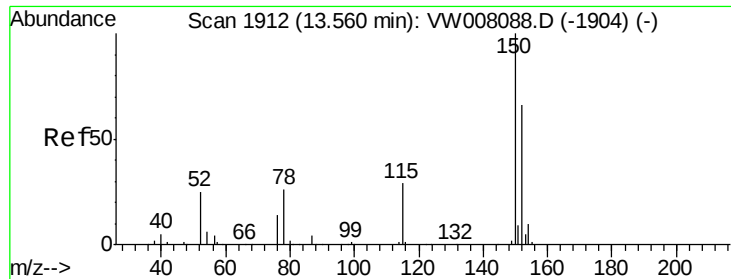


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008206.D

Acq: 11 Jan 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

CPSB-02(15-20)

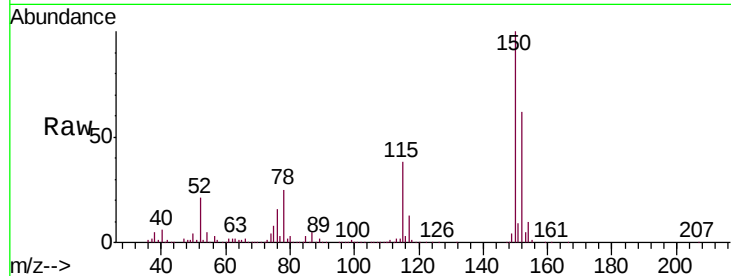
Tgt Ion:152 Resp: 80084

Ion Ratio Lower Upper

152 100

115 59.4 30.8 92.4

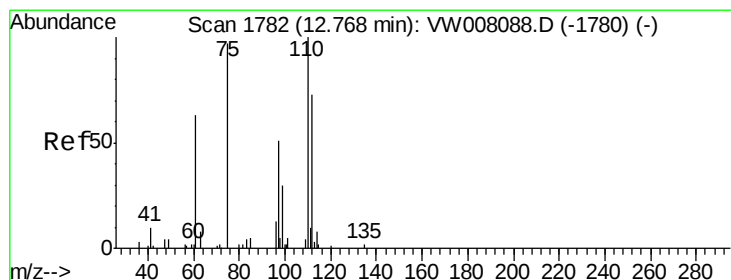
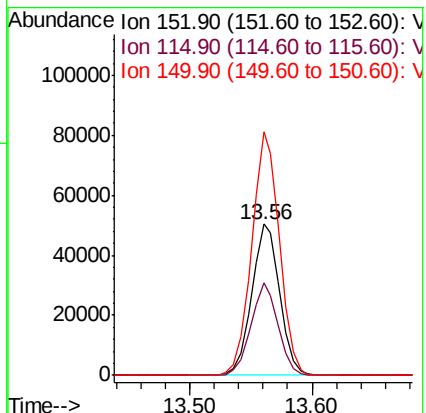
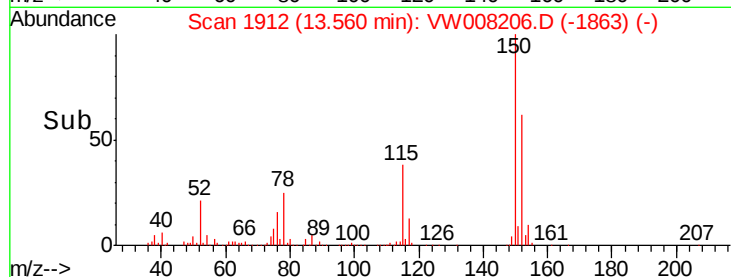
150 159.2 0.0 350.2



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: 54.455 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008206.D

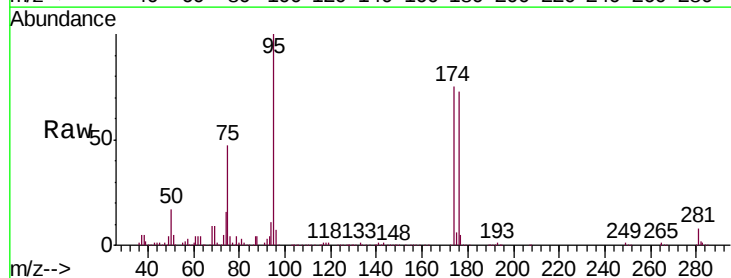
Acq: 11 Jan 2019 20:37

Tgt Ion: 75 Resp: 39755

Ion Ratio Lower Upper

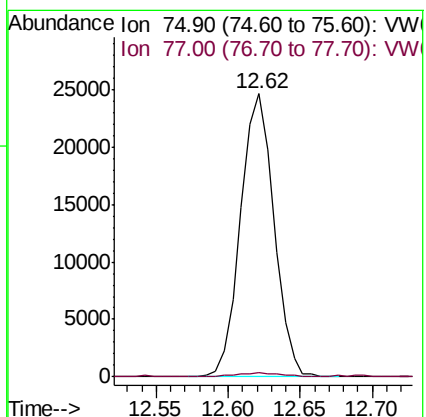
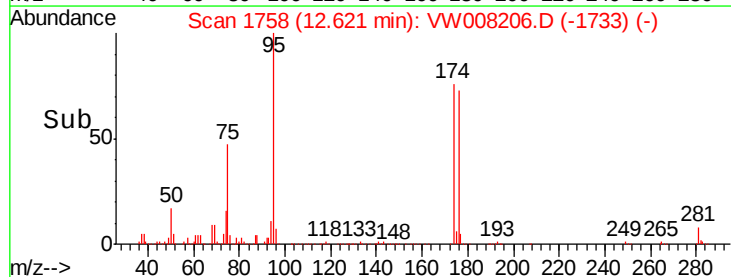
75 100

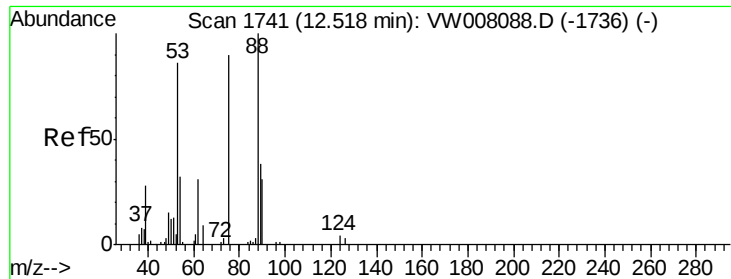
77 1.8 179.4 538.2#



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: 126.809 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008206.D

Acq: 11 Jan 2019 20:37

Instrument :

MSVOA_W

ClientSampleId :

CPSB-02(15-20)

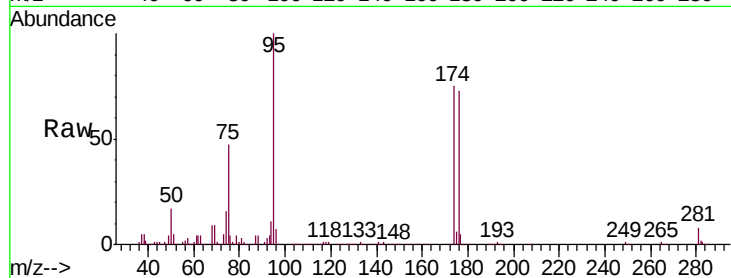
Tgt Ion: 75 Resp: 39755

Ion Ratio Lower Upper

75 100

53 0.2 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

