

Data File : VW008156.D
Acq On : 10 Jan 2019 18:34
Operator : SY/AP
Sample : K1088-03
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jan 11 05:13:26 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	36423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	70892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	69606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	31180	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	26652	65.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.22%	
35) Dibromofluoromethane	7.88	113	22693	54.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.76%	
50) Toluene-d8	10.32	98	96731	55.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.50%	
62) 4-Bromofluorobenzene	12.62	95	34782	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	

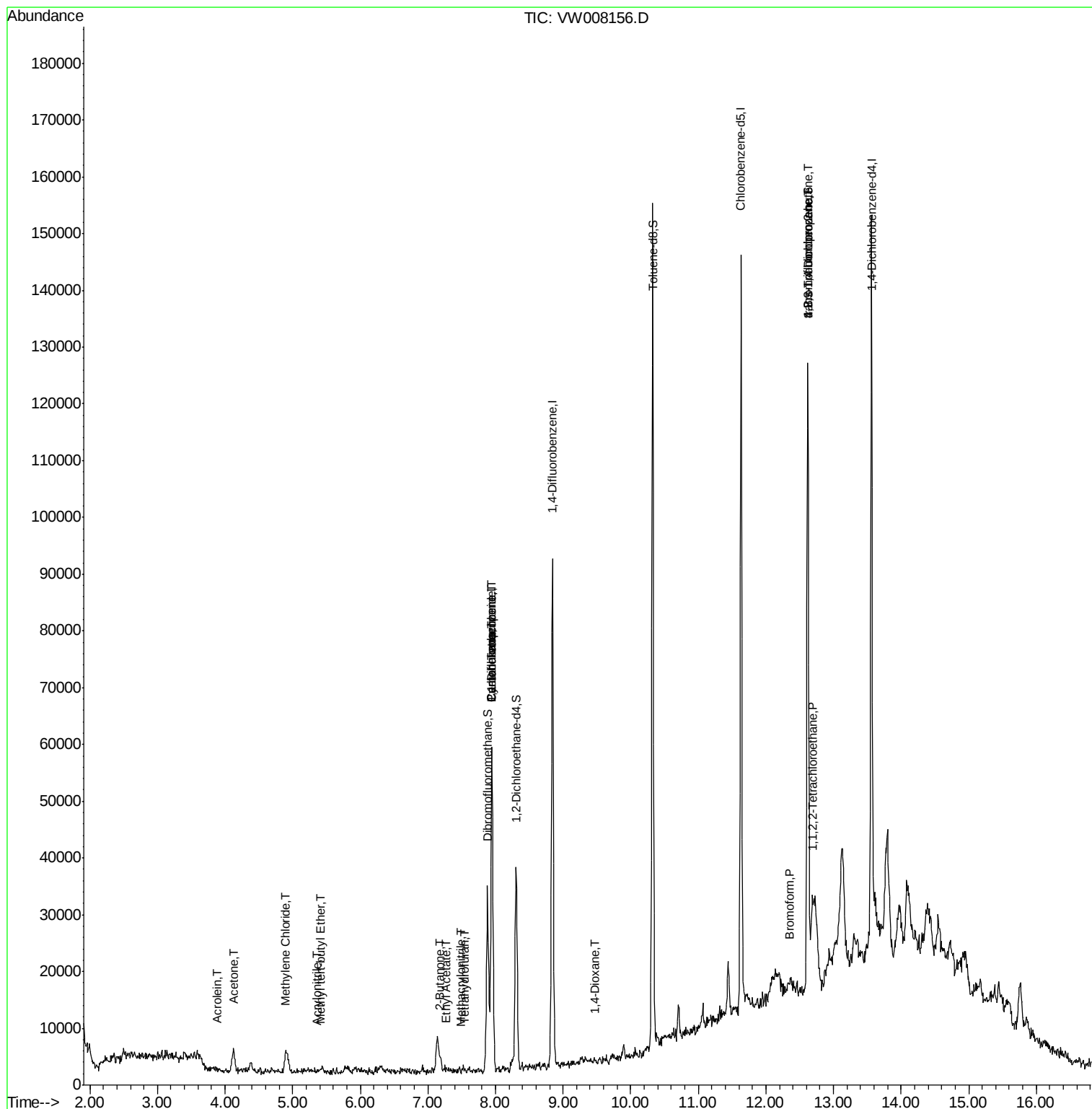
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.26	59	45	Below Cal	#	100
13) Acrolein	3.88	56	98	2.112	ug/l #	76
15) Acrylonitrile	5.36	53	219	2.487	ug/l #	32
16) Acetone	4.12	43	7370	86.311	ug/l	93
19) Methyl tert-butyl Ether	5.42	73	811	1.251	ug/l #	10
20) Methylene Chloride	4.90	84	2544	1.664	ug/l	86
25) 2-Butanone	7.18	43	2259	19.834	ug/l #	83
29) Tetrahydrofuran	7.54	42	95	1.249	ug/l #	55
31) Cyclohexane	7.95	56	1449	1.682	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3493	4.783	ug/l #	59
37) Ethyl Acetate	7.27	43	410	1.401	ug/l #	83
38) Carbon Tetrachloride	7.94	117	4356	6.517	ug/l #	17
41) Methacrylonitrile	7.49	41	325	1.759	ug/l #	28
49) 1,4-Dioxane	9.47	88	26	6.703	ug/l #	82
71) Bromoform	12.35	173	323	1.505	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.68	83	639	1.631	ug/l	79
76) 1,2,3-Trichloropropane	12.62	75	18009	63.359	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	18009	147.543	ug/l #	11

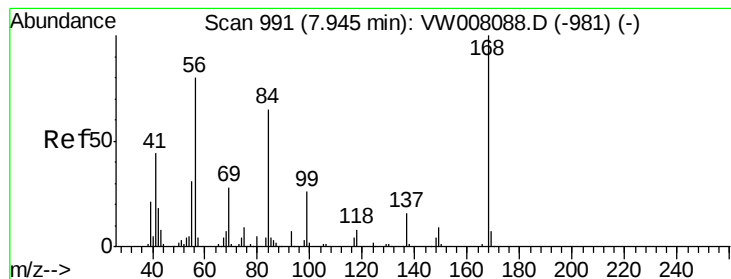
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008156.D

Acq: 10 Jan 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

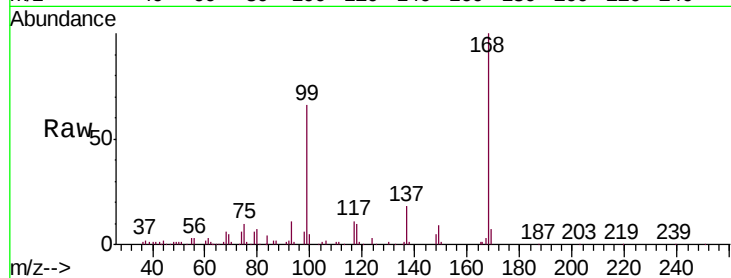
CPSB-06(15-20)

Tgt Ion:168 Resp: 36423

Ion Ratio Lower Upper

168 100

99 66.2 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

20000

15000

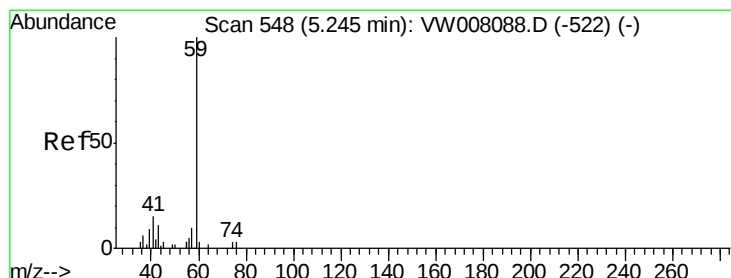
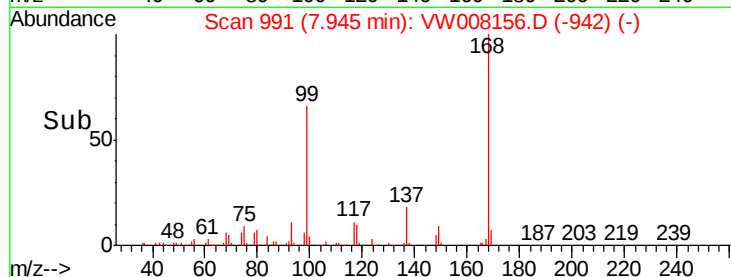
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.26 min Scan# 551

Delta R.T. 0.02 min

Lab File: VW008156.D

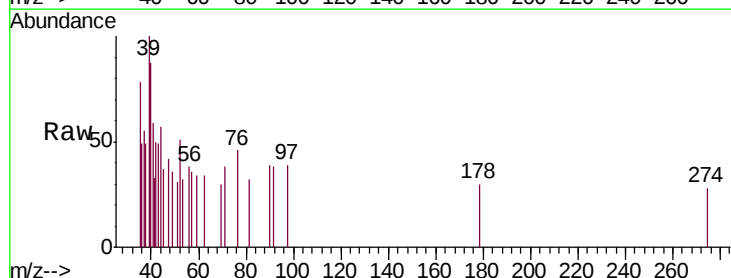
Acq: 10 Jan 2019 18:34

Tgt Ion: 59 Resp: 45

Ion Ratio Lower Upper

59 100

57 222.2 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.26

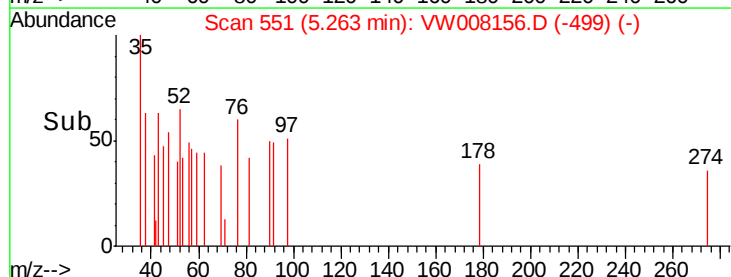
100

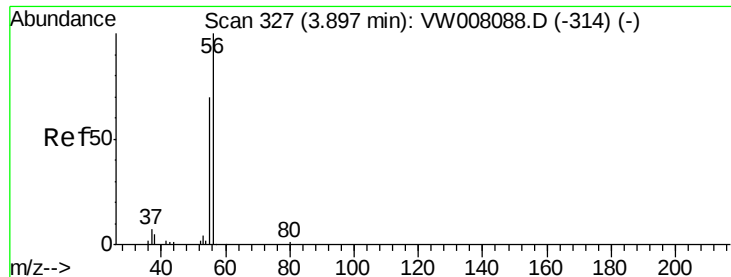
50

0

5.24 5.26 5.28

Time-->





#13

Acrolein

Concen: 2.112 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008156.D

Acq: 10 Jan 2019 18:34

Instrument :

MSVOA_W

ClientSampled :

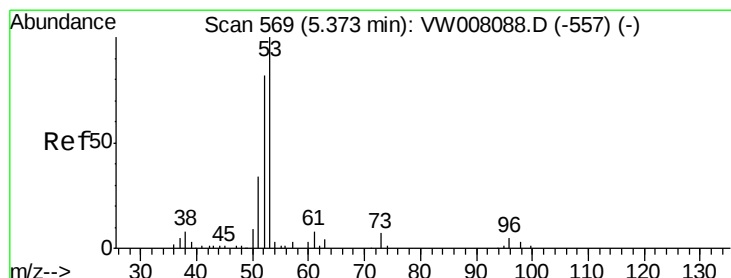
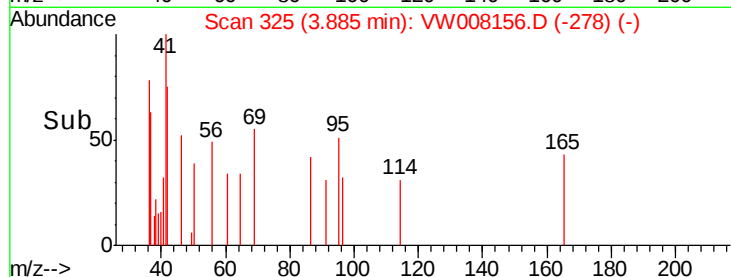
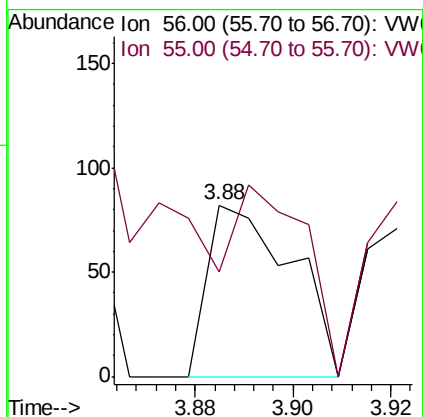
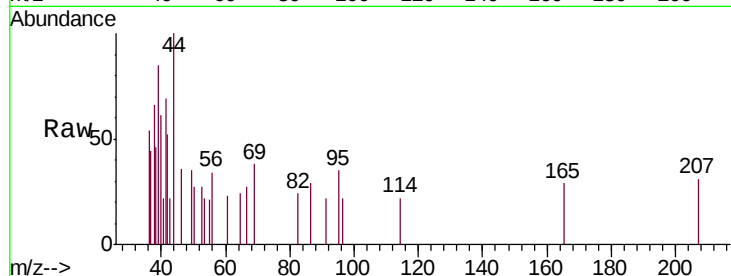
CPSB-06(15-20)

Tgt Ion: 56 Resp: 98

Ion Ratio Lower Upper

56 100

55 90.8 56.6 84.8#



#15

Acrylonitrile

Concen: 2.487 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008156.D

Acq: 10 Jan 2019 18:34

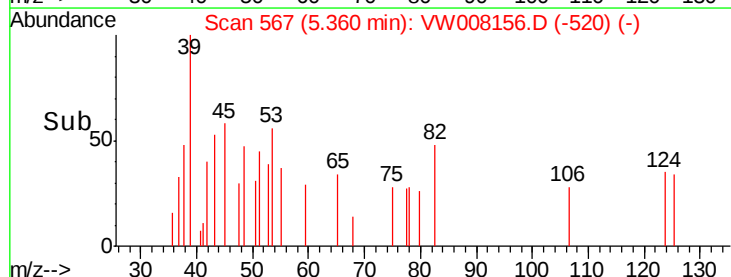
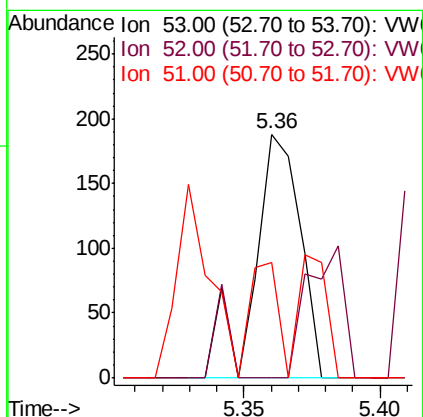
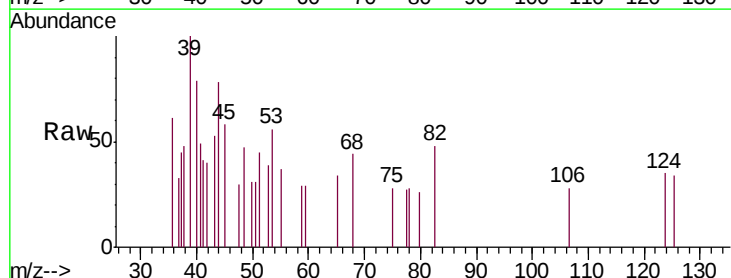
Tgt Ion: 53 Resp: 219

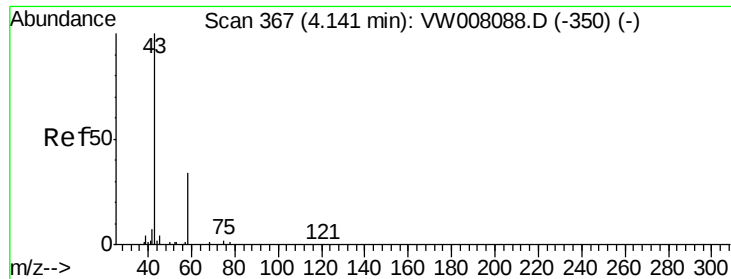
Ion Ratio Lower Upper

53 100

52 0.0 66.8 100.2#

51 29.2 29.7 44.5#

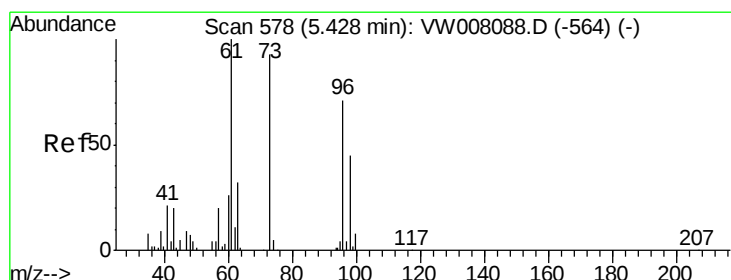
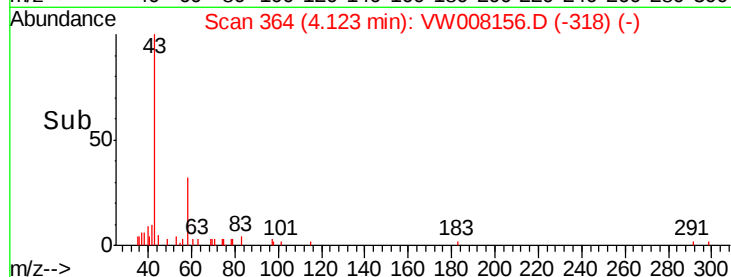
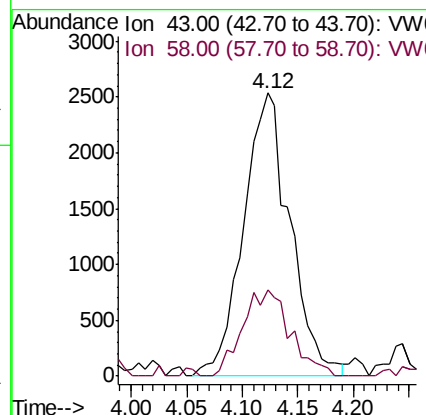
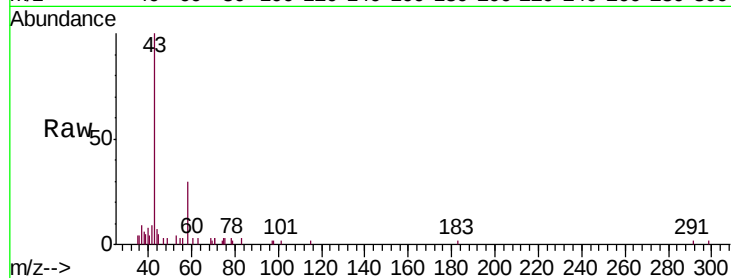




#16
Acetone
Concen: 86.311 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.02 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

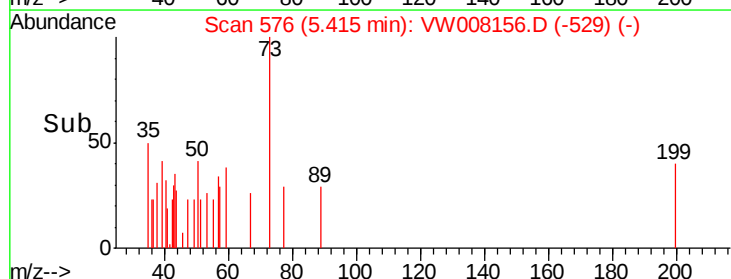
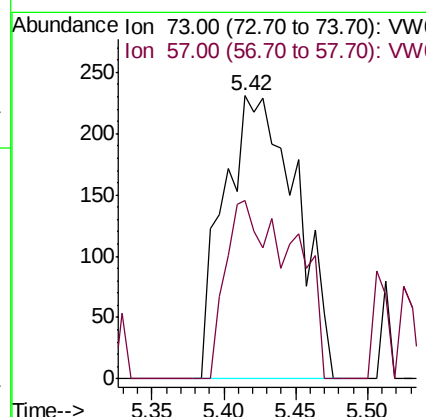
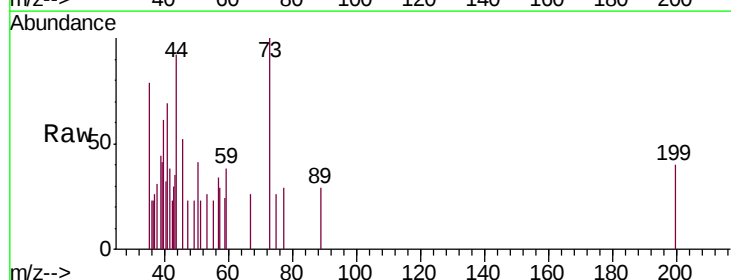
Instrument :
MSVOA_W
ClientSampleId :
CPSB-06(15-20)

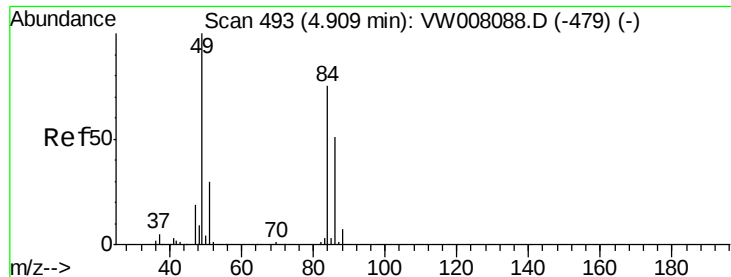
Tgt Ion: 43 Resp: 7370
Ion Ratio Lower Upper
43 100
58 30.4 27.5 41.3



#19
Methyl tert-butyl Ether
Concen: 1.251 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

Tgt Ion: 73 Resp: 811
Ion Ratio Lower Upper
73 100
57 62.8 16.7 25.1#

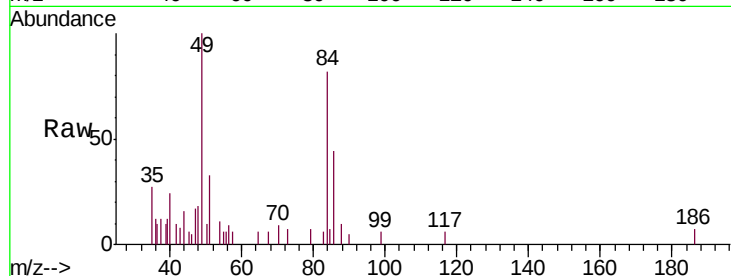




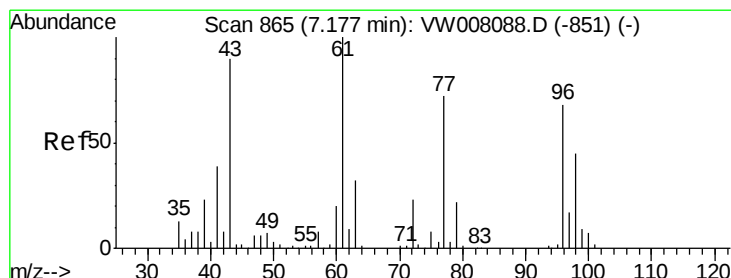
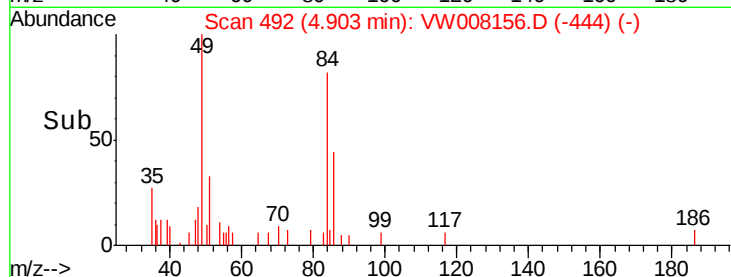
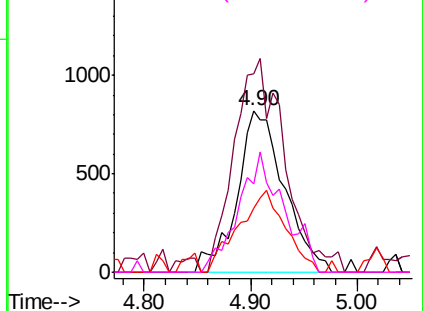
#20
Methylene Chloride
Concen: 1.664 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

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

Tgt Ion: 84 Resp: 2544
Ion Ratio Lower Upper
84 100
49 114.0 107.1 160.7
51 40.0 32.4 48.6
86 54.4 54.2 81.4

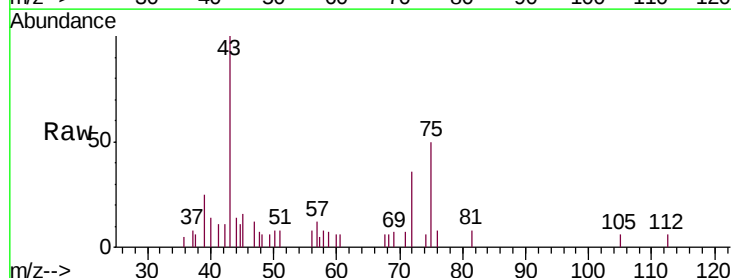


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

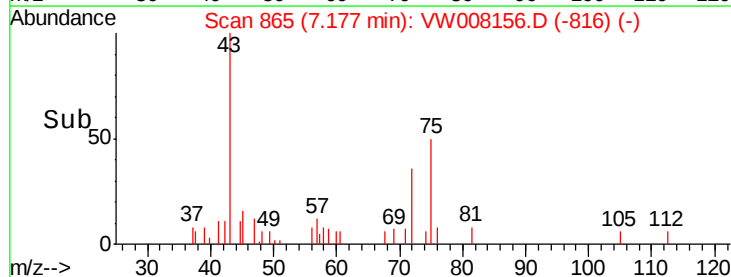
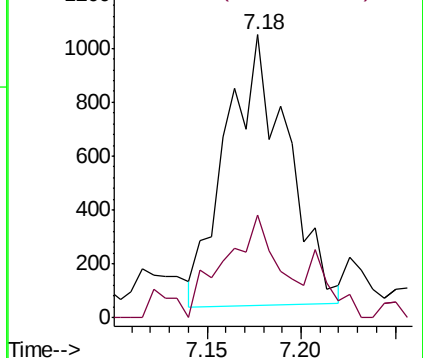


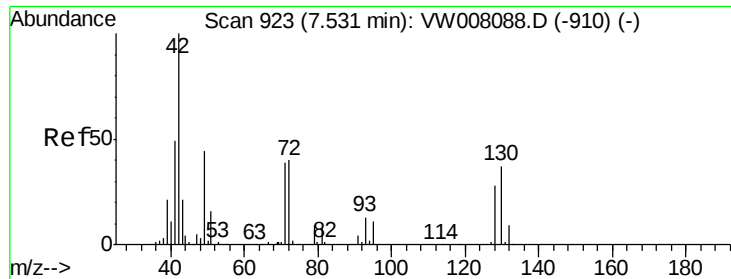
#25
2-Butanone
Concen: 19.834 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

Tgt Ion: 43 Resp: 2259
Ion Ratio Lower Upper
43 100
72 34.4 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

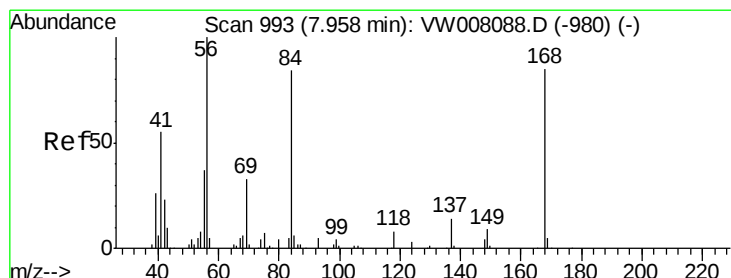
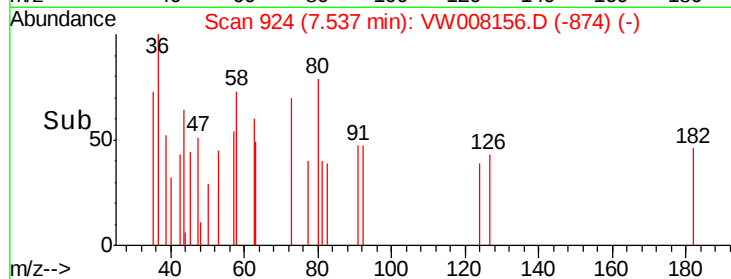
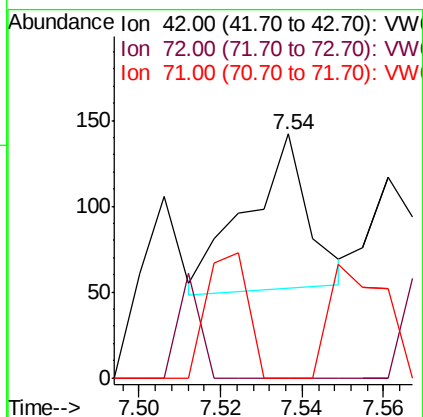
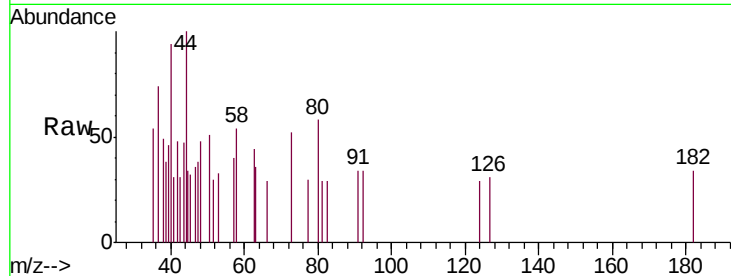




#29
Tetrahydrofuran
Concen: 1.249 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

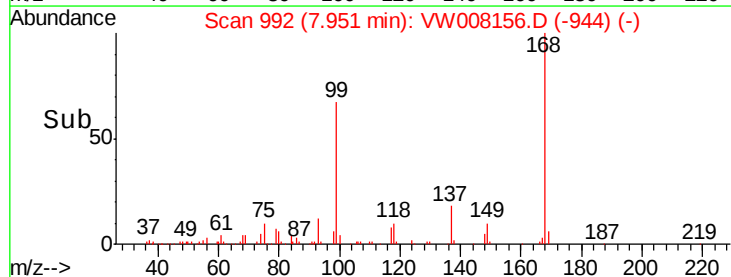
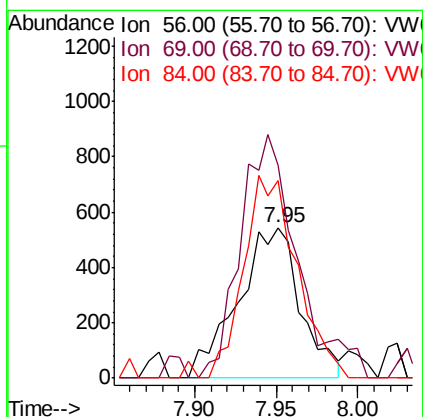
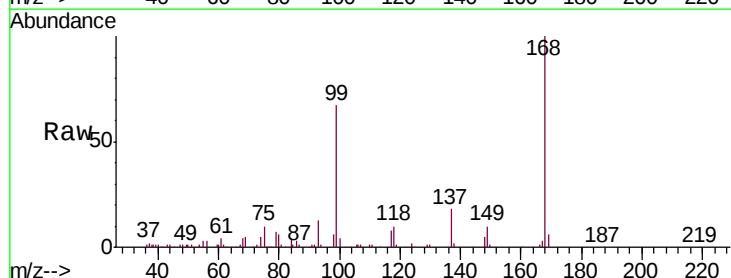
Instrument :
MSVOA_W
ClientSampleId :
CPSB-06(15-20)

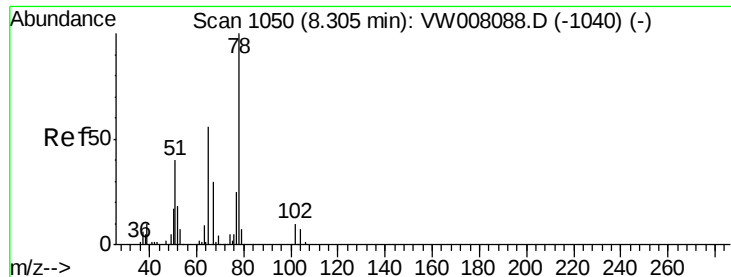
Tgt Ion: 42 Resp: 95
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 53.7 31.3 46.9#



#31
Cyclohexane
Concen: 1.682 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

Tgt Ion: 56 Resp: 1449
Ion Ratio Lower Upper
56 100
69 140.9 26.2 39.4#
84 142.6 67.4 101.2#





#33

1,2-Dichloroethane-d4

Concen: 65.106 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008156.D

Acq: 10 Jan 2019 18:34

Instrument :

MSVOA_W

ClientSampled :

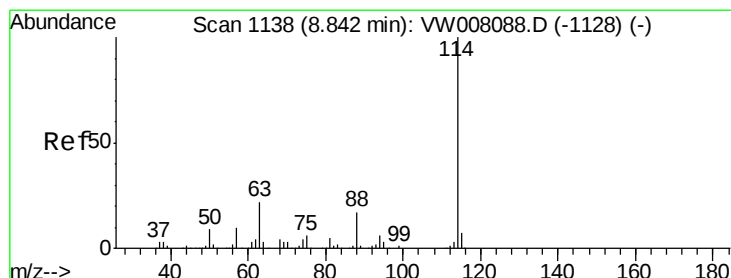
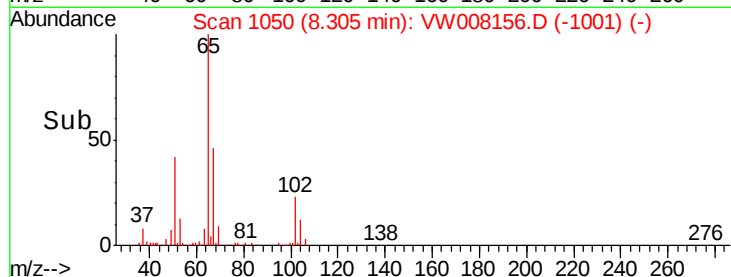
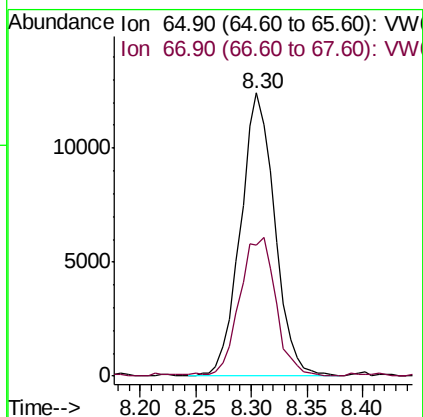
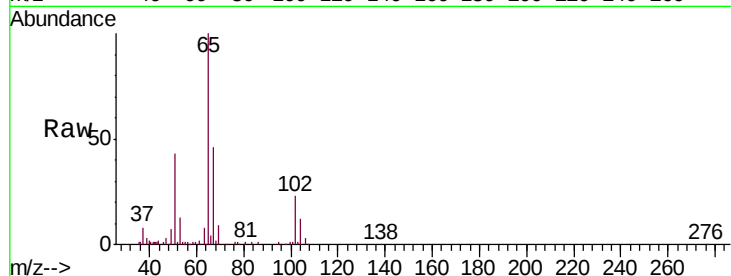
CPSB-06(15-20)

Tgt Ion: 65 Resp: 26652

Ion Ratio Lower Upper

65 100

67 51.5 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: VW008156.D

Acq: 10 Jan 2019 18:34

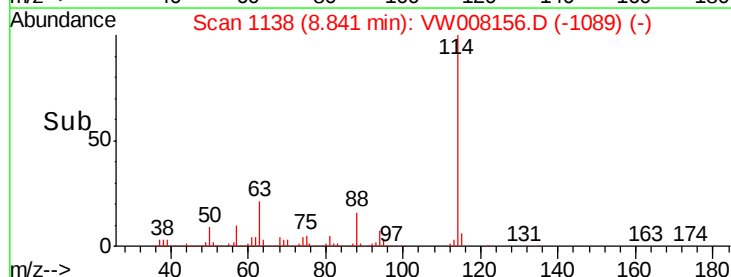
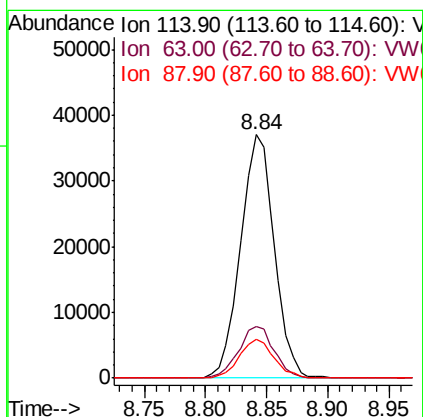
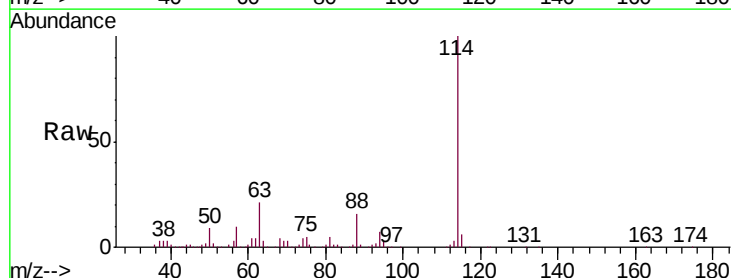
Tgt Ion: 114 Resp: 70892

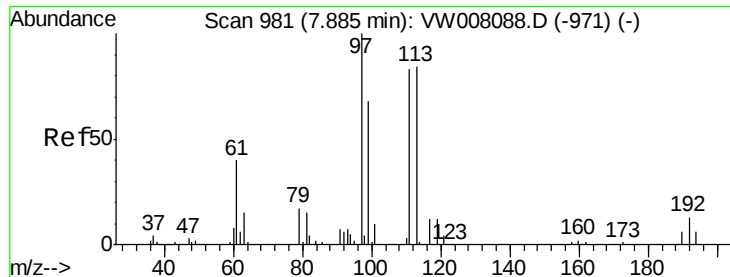
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.4

88 16.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.884 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008156.D

Acq: 10 Jan 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

CPSB-06(15-20)

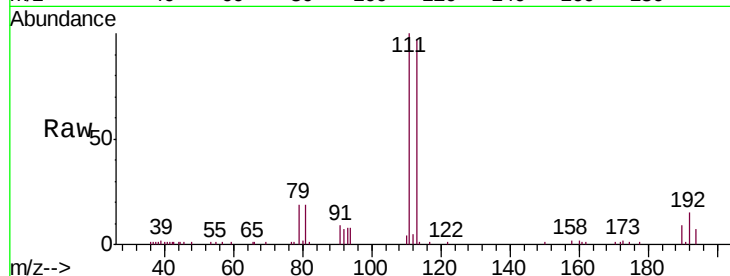
Tgt Ion:113 Resp: 22693

Ion Ratio Lower Upper

113 100

111 104.8 81.8 122.8

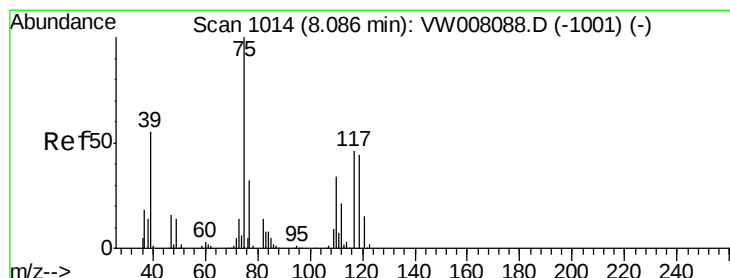
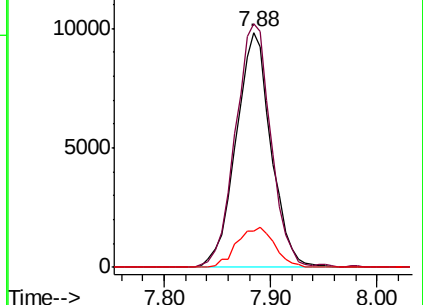
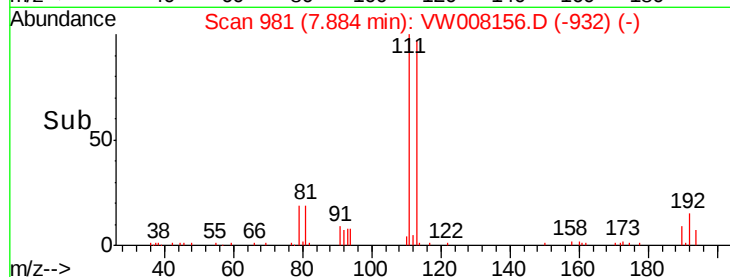
192 18.3 12.8 19.2



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: 4.783 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008156.D

Acq: 10 Jan 2019 18:34

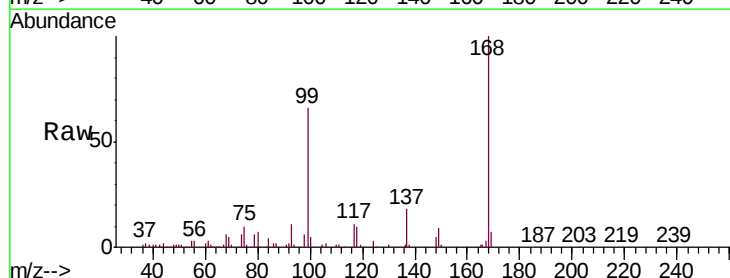
Tgt Ion: 75 Resp: 3493

Ion Ratio Lower Upper

75 100

110 14.8 17.1 51.3#

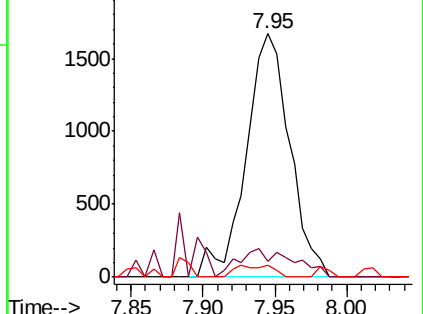
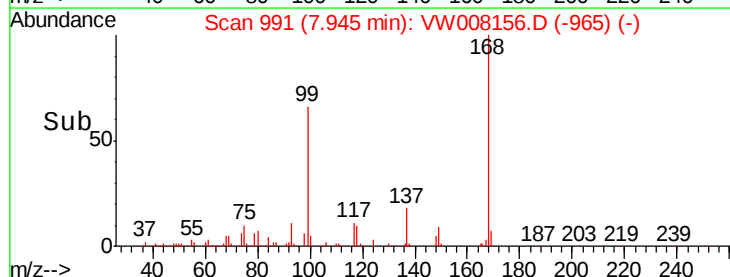
77 4.2 25.5 38.3#

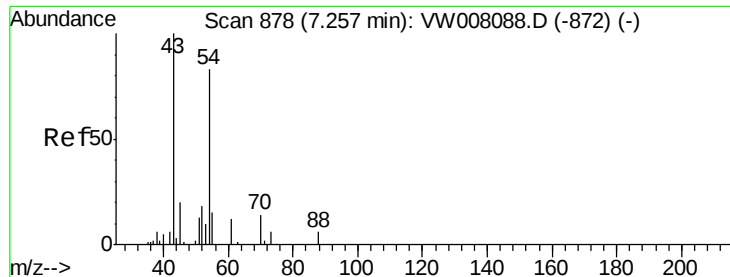


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

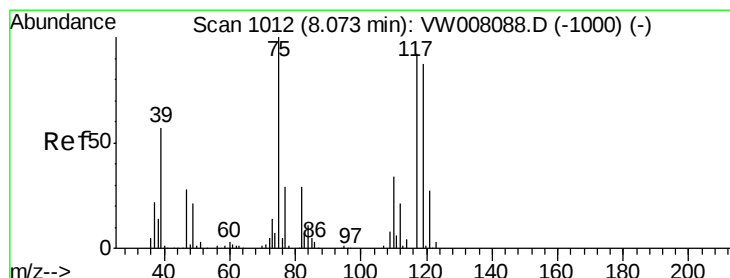
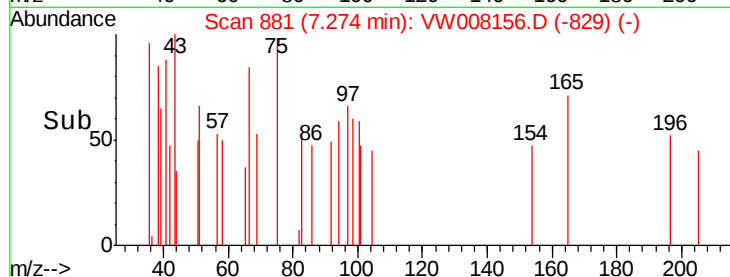
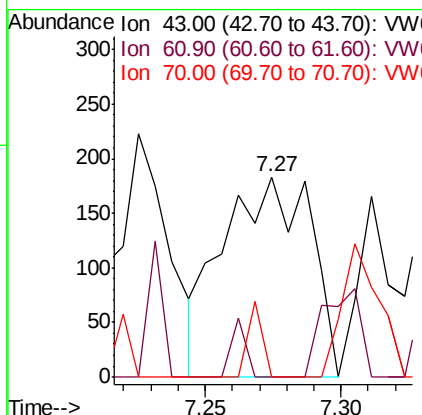
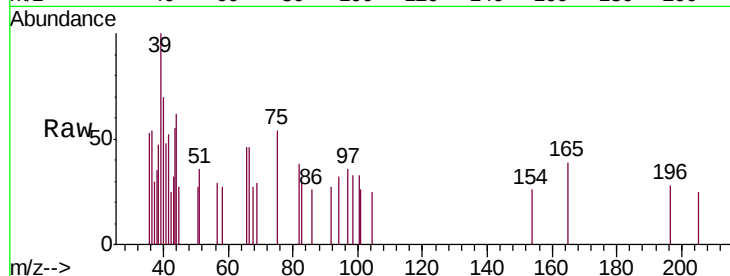




#37
Ethyl Acetate
Concen: 1.401 ug/l
RT: 7.27 min Scan# 881
Delta R.T. 0.02 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

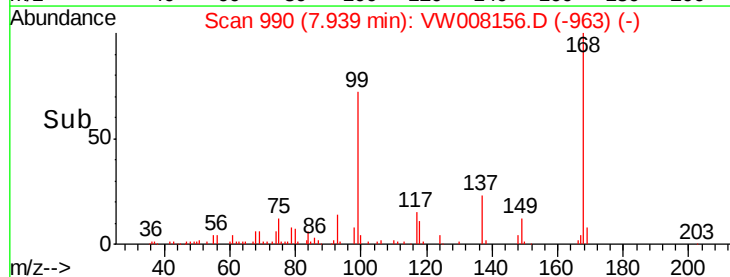
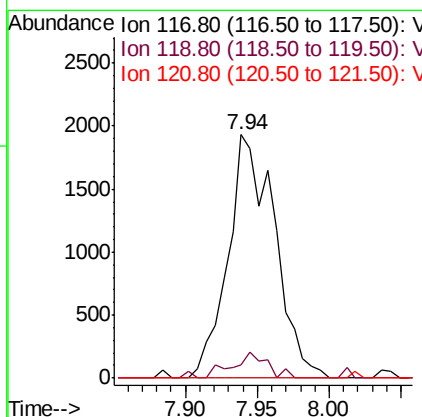
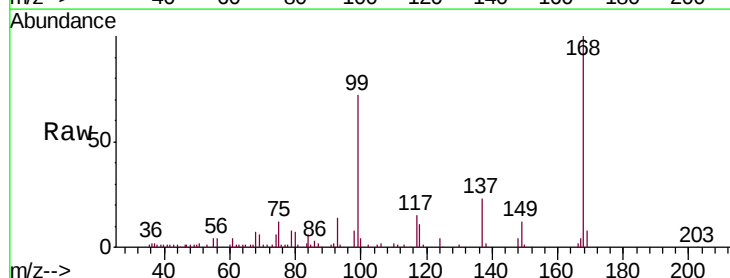
Instrument :
MSVOA_W
ClientSampleId :
CPSB-06(15-20)

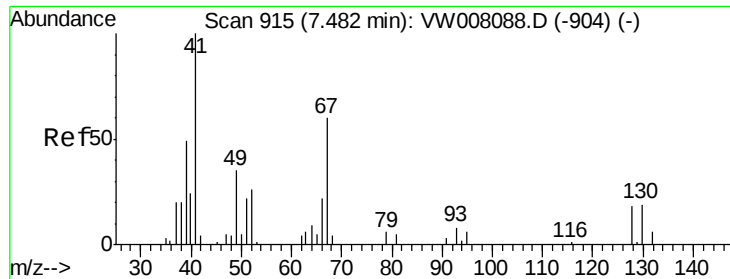
Tgt Ion: 43 Resp: 410
Ion Ratio Lower Upper
43 100
61 4.9 10.6 16.0#
70 6.1 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 6.517 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

Tgt Ion: 117 Resp: 4356
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 23.7 35.5#

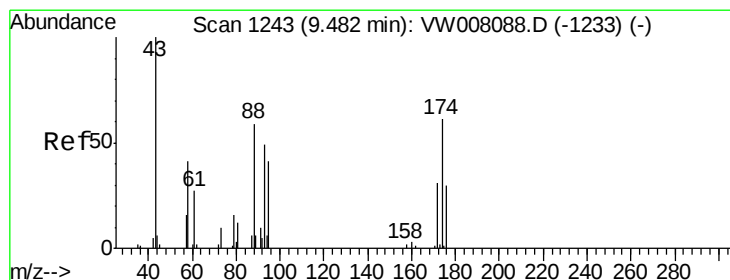
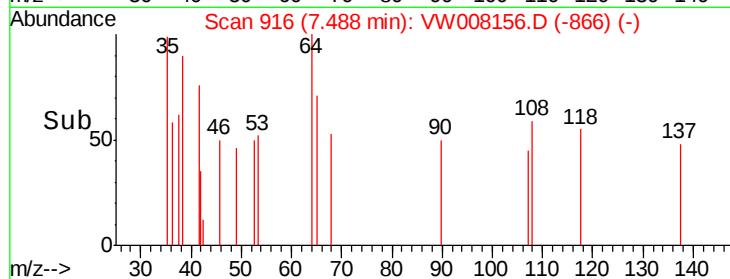
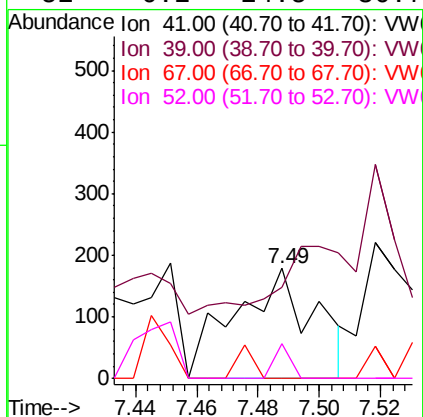
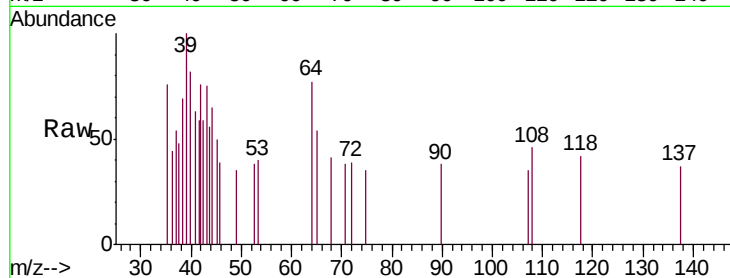




#41
Methacrylonitrile
Concen: 1.759 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

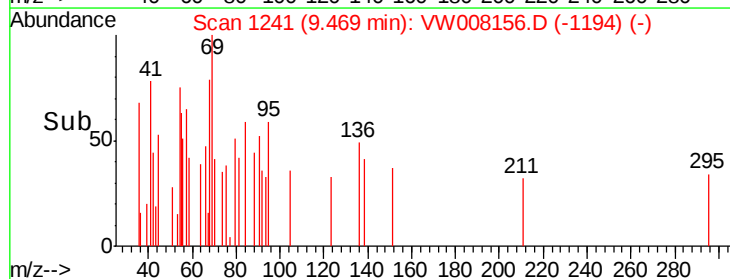
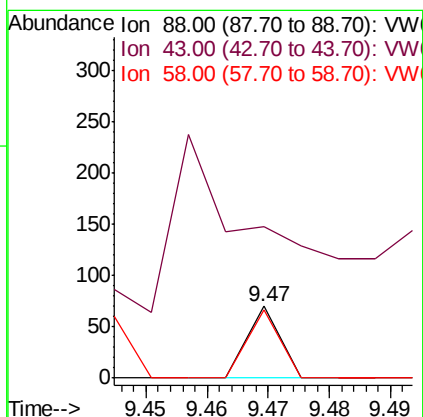
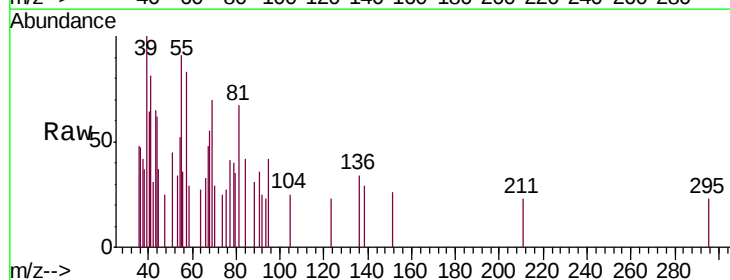
Instrument :
MSVOA_W
ClientSampleId :
CPSB-06(15-20)

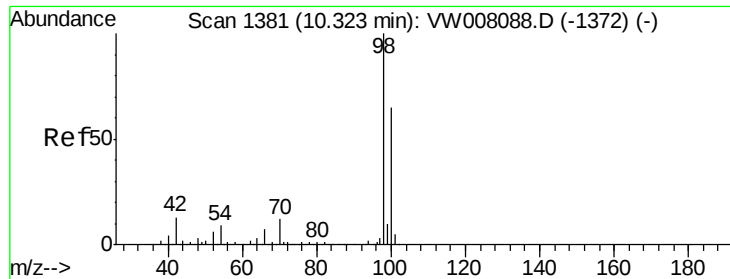
Tgt Ion:	41	Resp:	325
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.9	71.9#
67	6.2	56.3	84.5#
52	6.2	24.5	36.7#



#49
1,4-Dioxane
Concen: 6.703 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

Tgt Ion:	88	Resp:	26
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	92.3	61.7	92.5

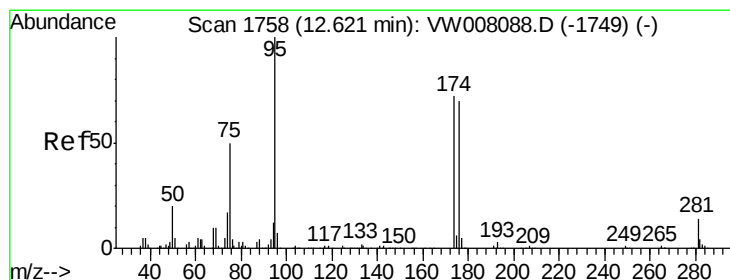
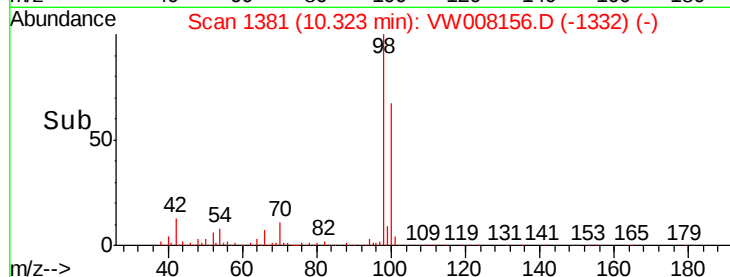
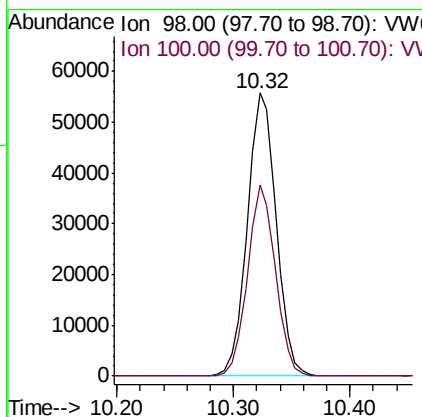
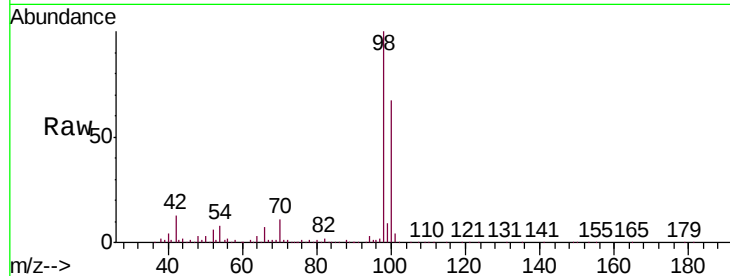




#50
Toluene-d8
Concen: 55.750 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

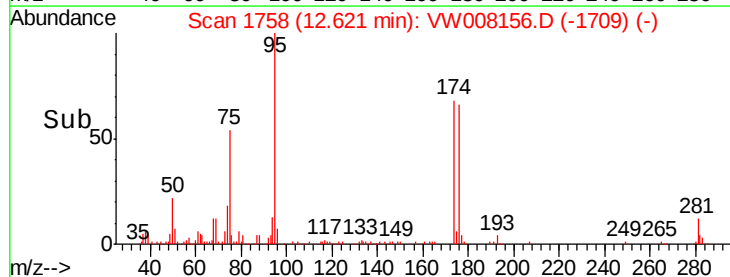
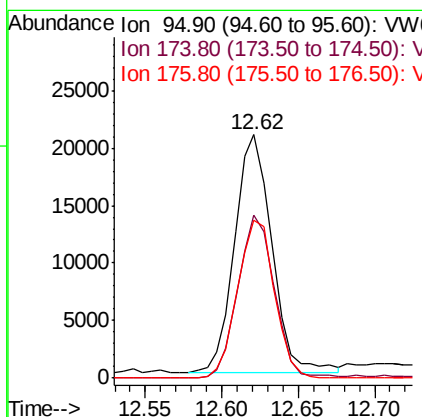
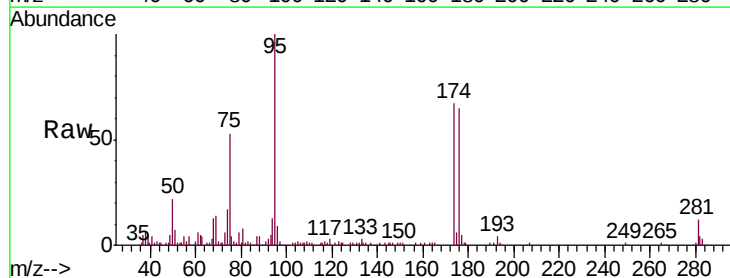
Instrument :
MSVOA_W
ClientSampleId :
CPSB-06(15-20)

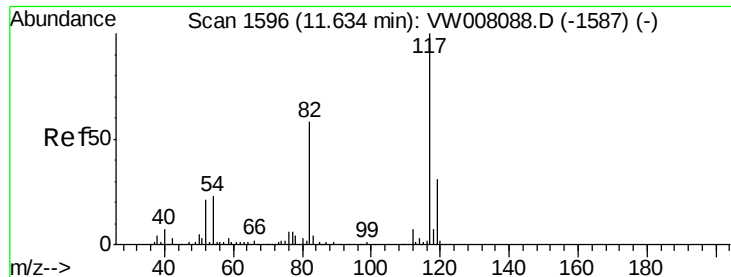
Tgt Ion: 98 Resp: 96731
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 55.918 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

Tgt Ion: 95 Resp: 34782
Ion Ratio Lower Upper
95 100
174 67.3 0.0 143.0
176 65.9 0.0 140.2

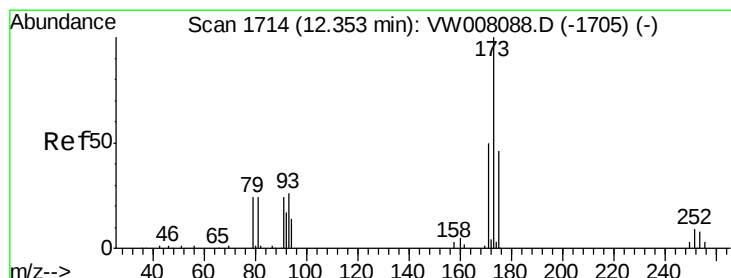
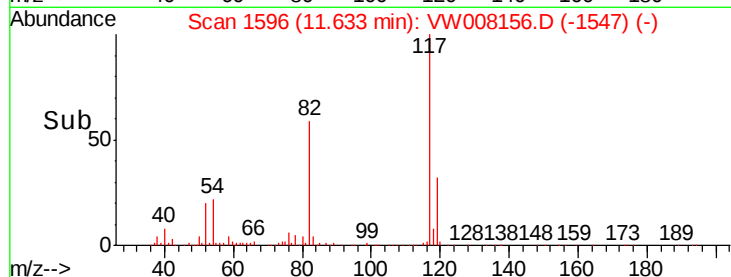
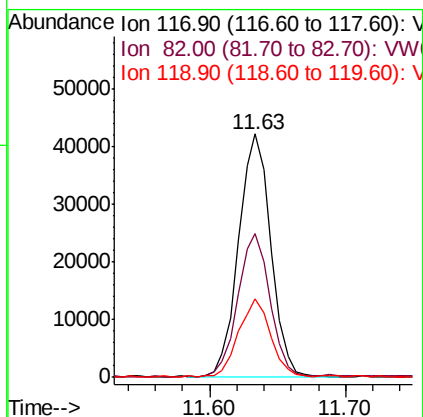
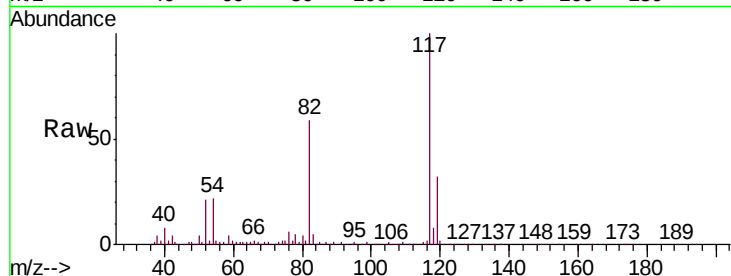




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

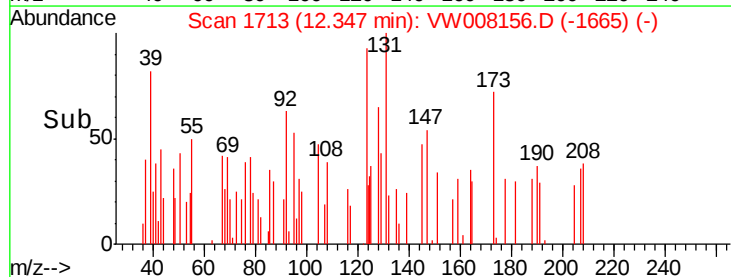
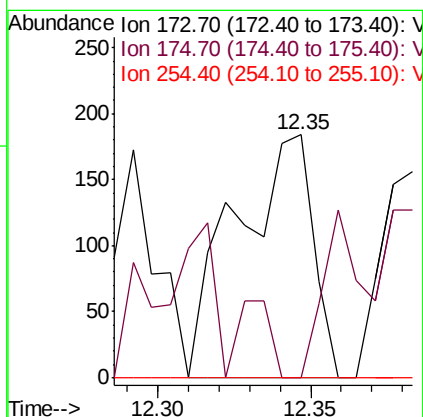
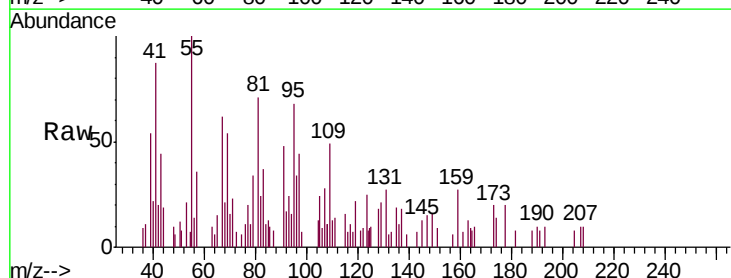
Instrument :
MSVOA_W
ClientSampleId :
CPSB-06(15-20)

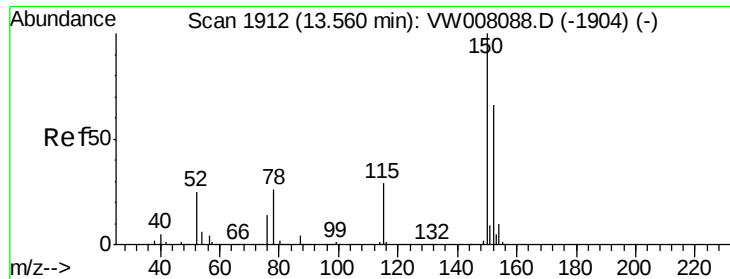
Tgt Ion:117 Resp: 69606
Ion Ratio Lower Upper
117 100
82 58.7 46.4 69.6
119 32.0 24.7 37.1



#71
Bromoform
Concen: 1.505 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW008156.D
Acq: 10 Jan 2019 18:34

Tgt Ion:173 Resp: 323
Ion Ratio Lower Upper
173 100
175 35.6 23.3 69.8
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008156.D

Acq: 10 Jan 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

CPSB-06(15-20)

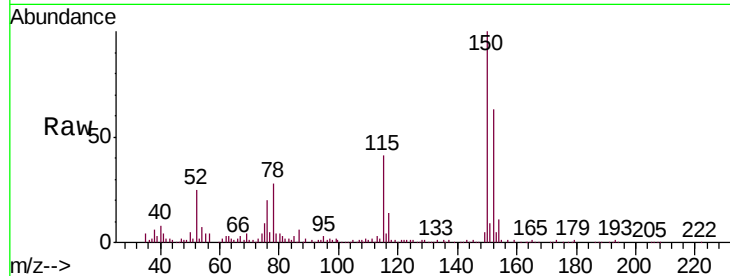
Tgt Ion:152 Resp: 31180

Ion Ratio Lower Upper

152 100

115 60.8 30.8 92.4

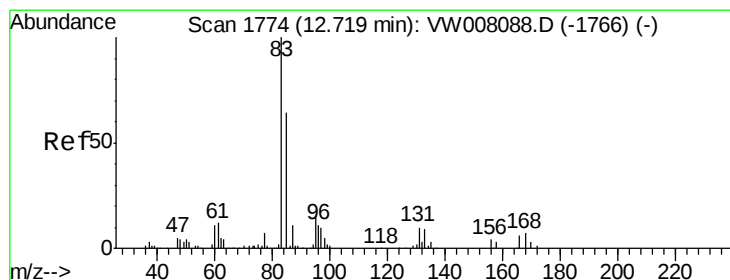
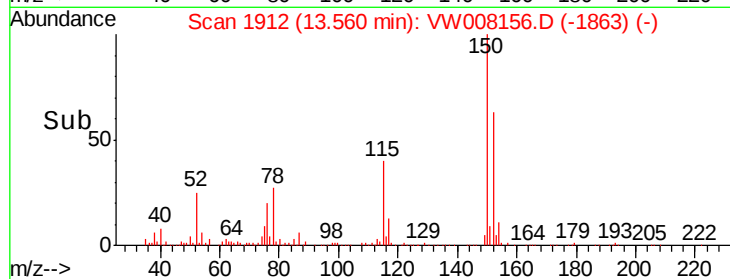
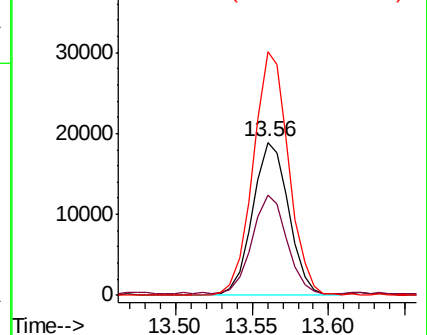
150 156.7 0.0 350.2



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: 1.631 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.04 min

Lab File: VW008156.D

Acq: 10 Jan 2019 18:34

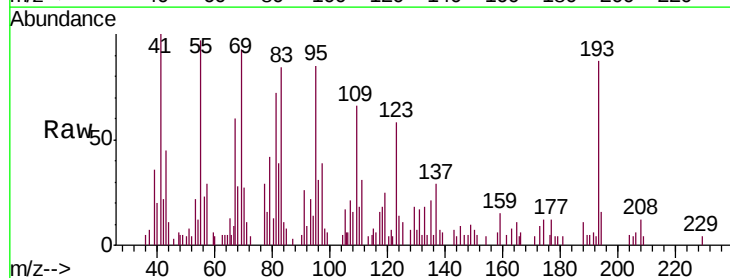
Tgt Ion: 83 Resp: 639

Ion Ratio Lower Upper

83 100

131 14.7 5.3 16.1

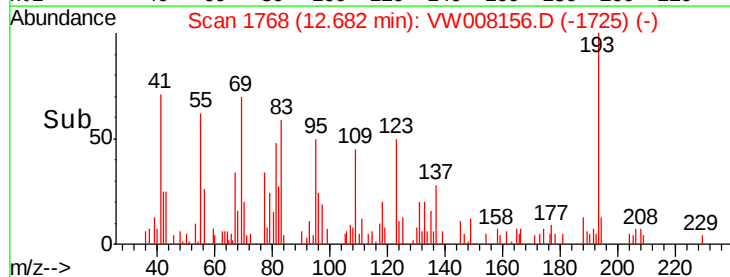
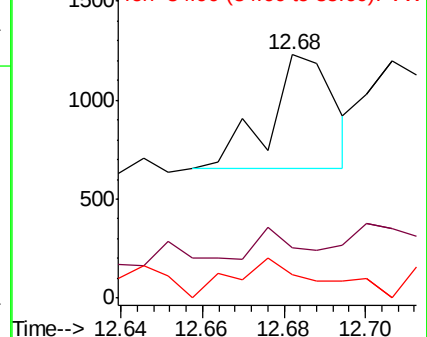
85 46.5 32.4 97.2

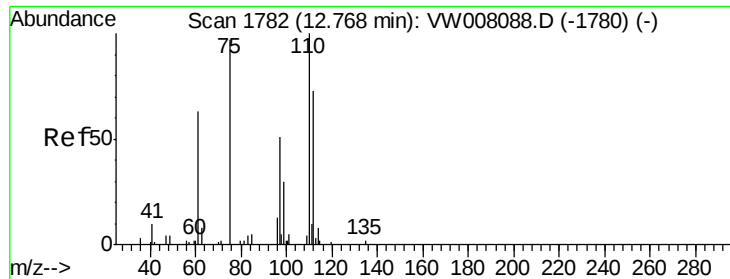


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 63.359 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008156.D

Acq: 10 Jan 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

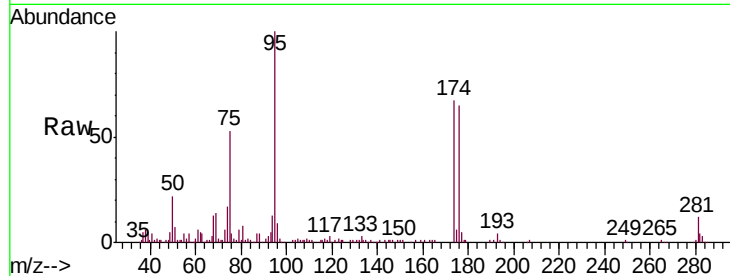
CPSB-06(15-20)

Tgt Ion: 75 Resp: 18009

Ion Ratio Lower Upper

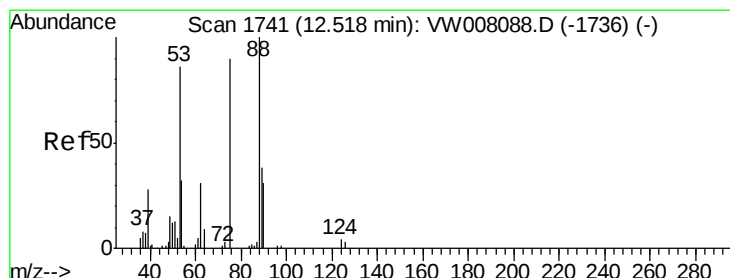
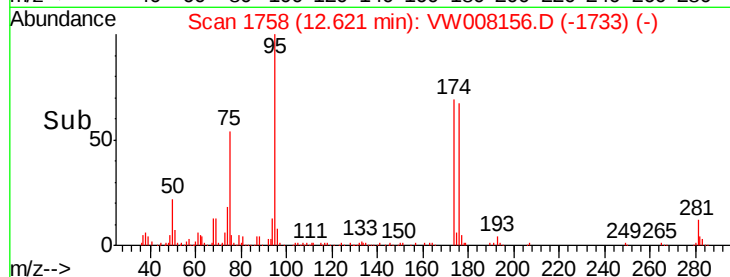
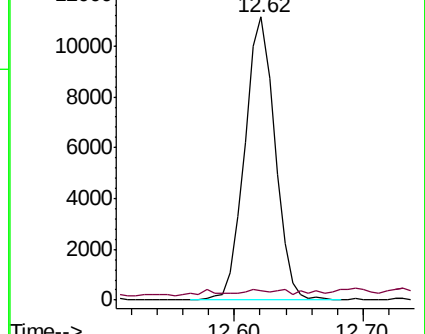
75 100

77 0.9 179.4 538.2#



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: 147.543 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008156.D

Acq: 10 Jan 2019 18:34

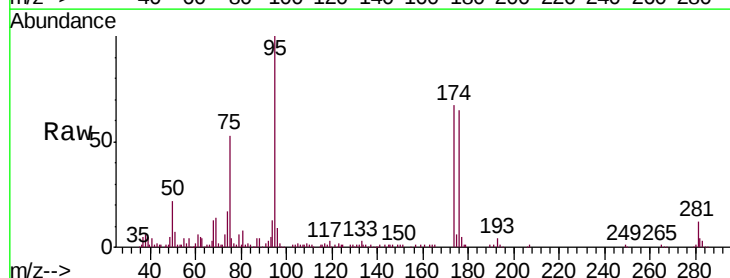
Tgt Ion: 75 Resp: 18009

Ion Ratio Lower Upper

75 100

53 0.4 78.8 118.2#

89 0.7 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

