

Data File : VW008164.D
Acq On : 10 Jan 2019 22:06
Operator : SY/AP
Sample : K1088-11
Misc : 5.04G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Jan 11 05:18:13 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	101991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	183044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	170109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79452	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	58299	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.88	113	56579	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	10.32	98	235992	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.62	95	83770	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	

Target Compounds

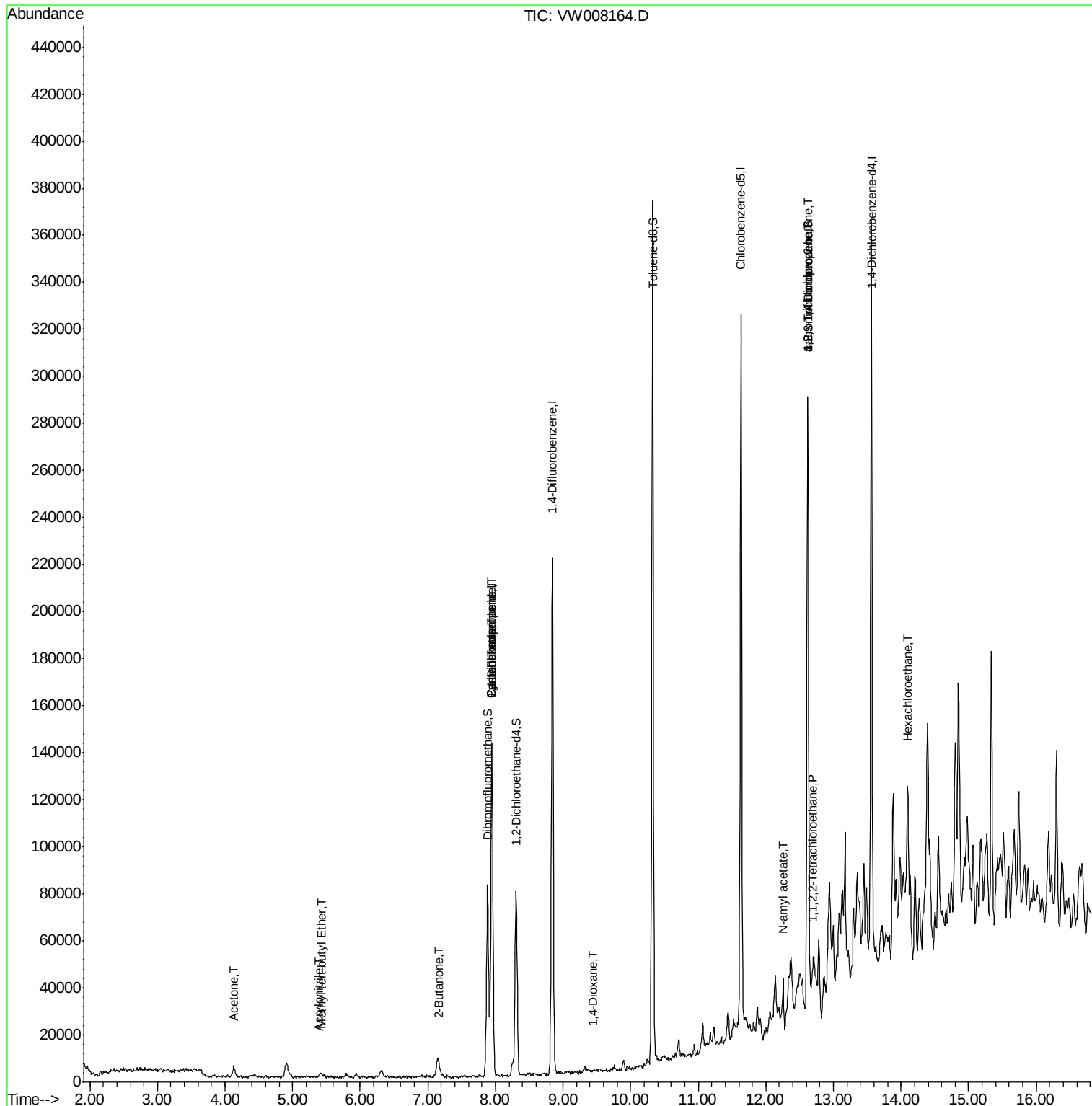
						Qvalue
11) Tert butyl alcohol	5.21	59	90	Below Cal	#	100
13) Acrolein	3.93	56	51	Below Cal	#	1
15) Acrylonitrile	5.38	53	268	1.087	ug/l #	44
16) Acetone	4.14	43	8214	20.445	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	2617	1.441	ug/l	99
20) Methylene Chloride	4.90	84	4708	Below Cal	#	70
25) 2-Butanone	7.17	43	3523	11.046	ug/l #	69
31) Cyclohexane	7.95	56	2770	1.148	ug/l #	53
36) 1,1-Dichloropropene	7.95	75	8861	4.699	ug/l #	50
38) Carbon Tetrachloride	7.95	117	10602	6.143	ug/l #	17
49) 1,4-Dioxane	9.44	88	22	2.197	ug/l #	52
74) N-amyl acetate	12.26	43	5252	3.802	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.69	83	2417	2.421	ug/l #	45
76) 1,2,3-Trichloropropane	12.62	75	40141	55.421	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	40141	129.059	ug/l #	11
90) Hexachloroethane	14.10	117	2578	2.661	ug/l #	17

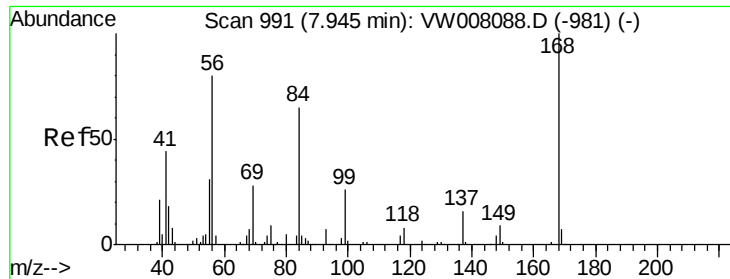
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008164.D

Acq: 10 Jan 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

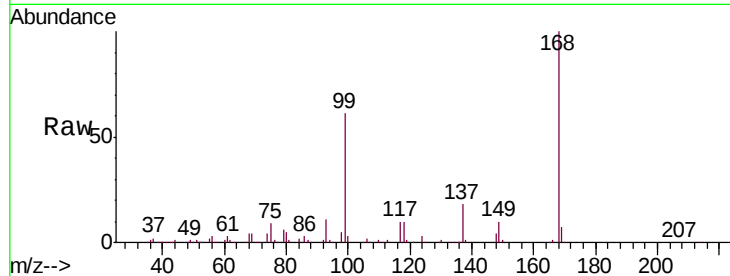
CPSB-06(15-20)MSD

Tgt Ion:168 Resp: 101991

Ion Ratio Lower Upper

168 100

99 61.2 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

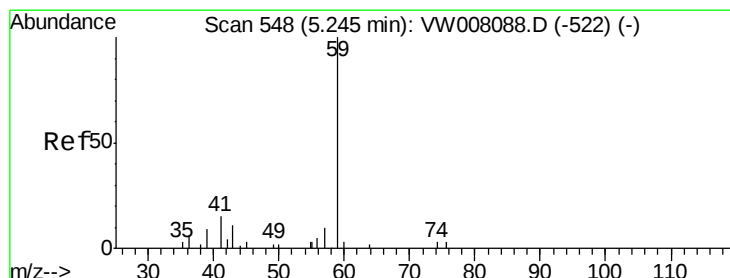
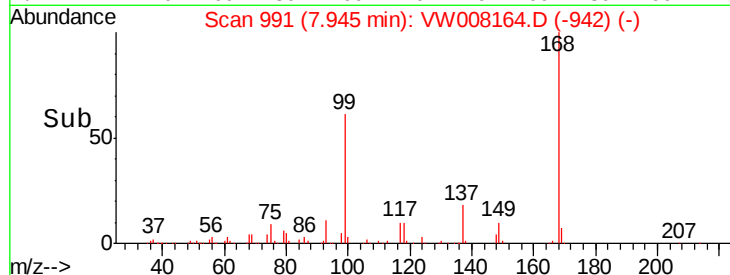
10000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. -0.04 min

Lab File: VW008164.D

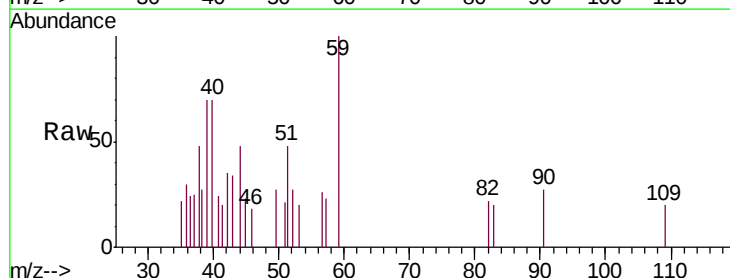
Acq: 10 Jan 2019 22:06

Tgt Ion: 59 Resp: 90

Ion Ratio Lower Upper

59 100

57 208.9 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

300

200

100

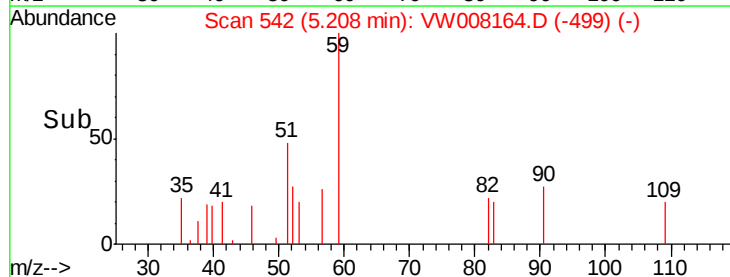
0

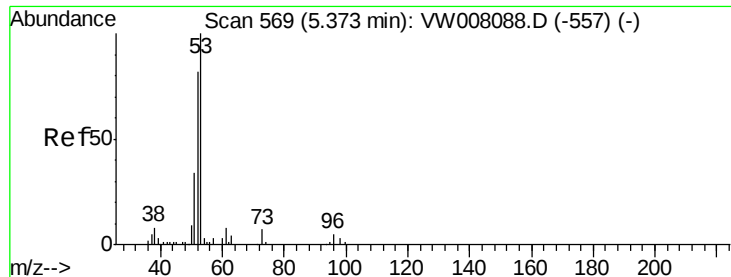
Time-->

5.18

5.20

5.22





#15

Acrylonitrile

Concen: 1.087 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008164.D

Acq: 10 Jan 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

CPSB-06(15-20)MSD

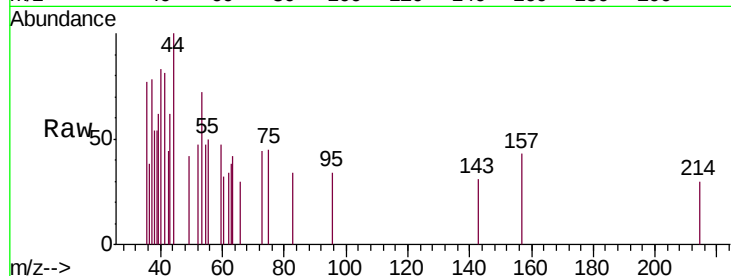
Tgt Ion: 53 Resp: 268

Ion Ratio Lower Upper

53 100

52 10.8 66.8 100.2#

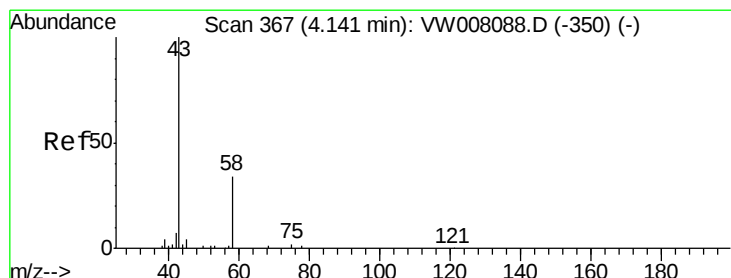
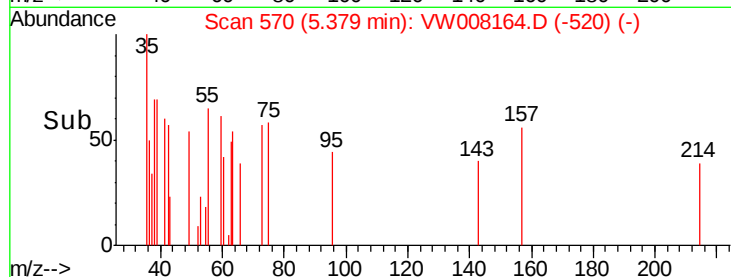
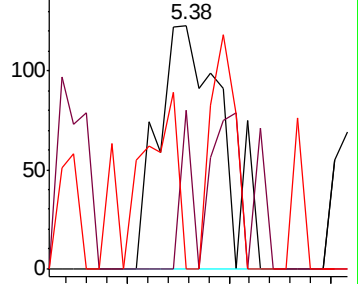
51 36.2 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 20.445 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW008164.D

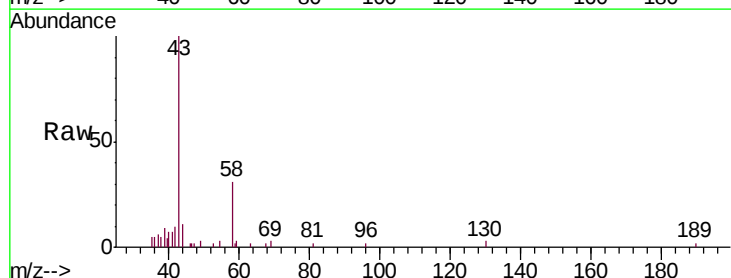
Acq: 10 Jan 2019 22:06

Tgt Ion: 43 Resp: 8214

Ion Ratio Lower Upper

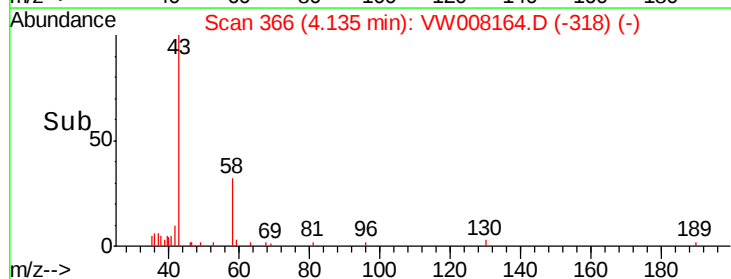
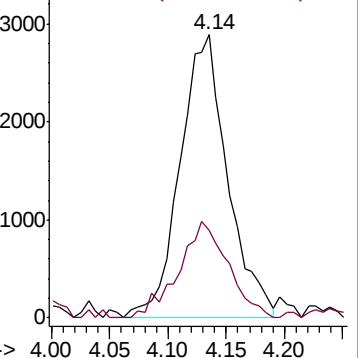
43 100

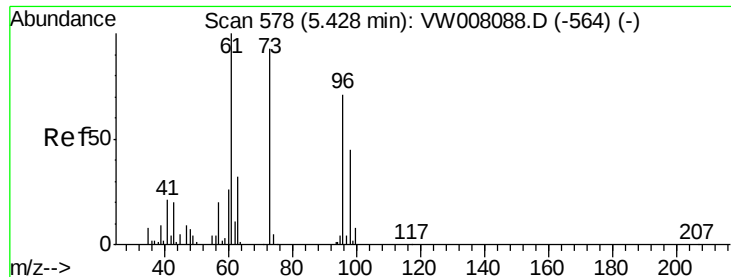
58 30.9 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

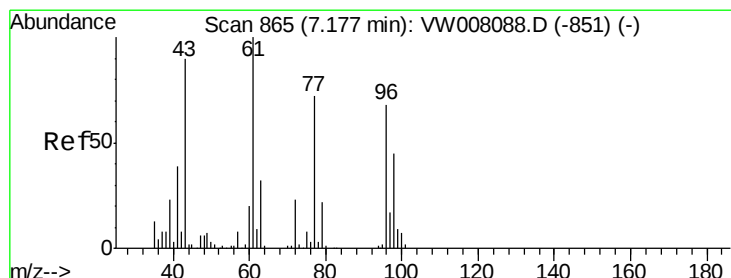
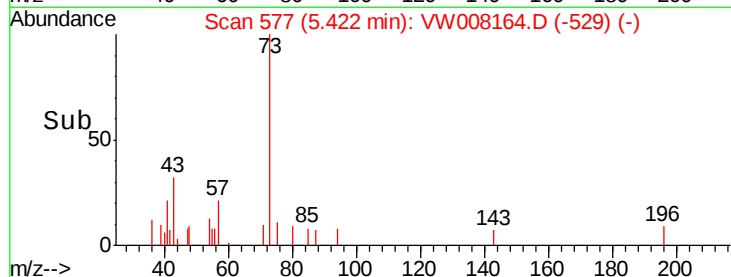
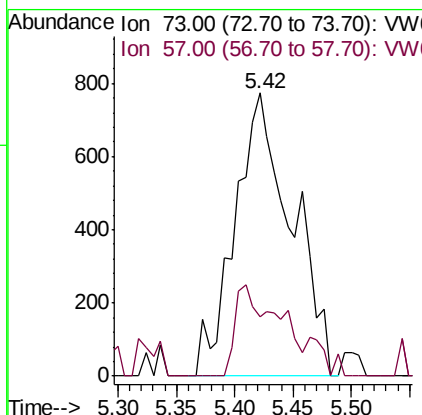
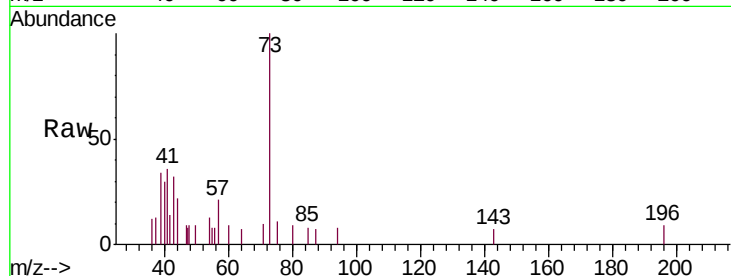




#19
Methyl tert-butyl Ether
Concen: 1.441 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008164.D
Acq: 10 Jan 2019 22:06

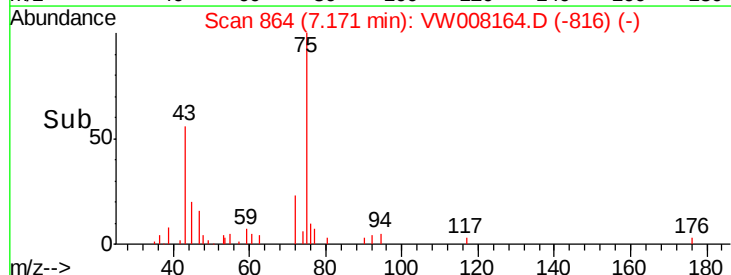
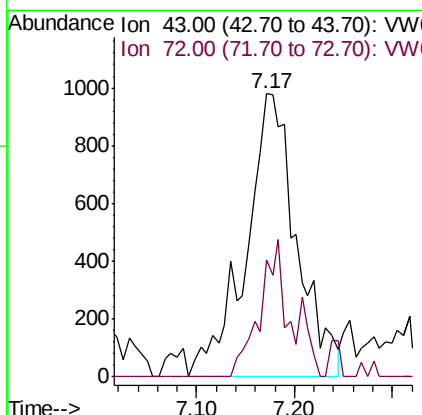
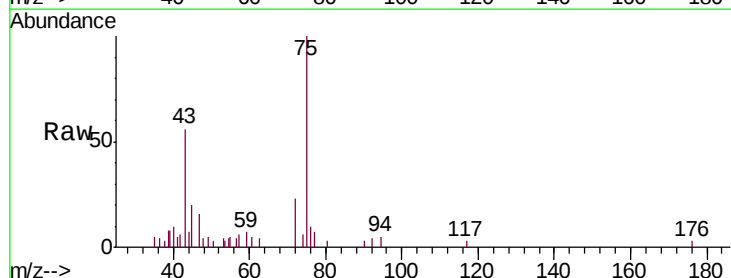
Instrument :
MSVOA_W
ClientSampleId :
CPSB-06(15-20)MSD

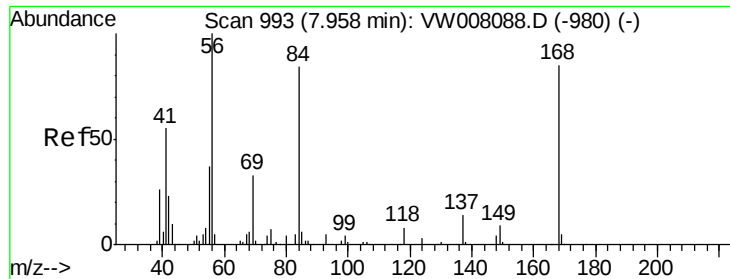
Tgt Ion: 73 Resp: 2617
Ion Ratio Lower Upper
73 100
57 21.2 16.7 25.1



#25
2-Butanone
Concen: 11.046 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW008164.D
Acq: 10 Jan 2019 22:06

Tgt Ion: 43 Resp: 3523
Ion Ratio Lower Upper
43 100
72 41.5 20.5 30.7#





#31

Cyclohexane

Concen: 1.148 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008164.D

Acq: 10 Jan 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

CPSB-06(15-20)MSD

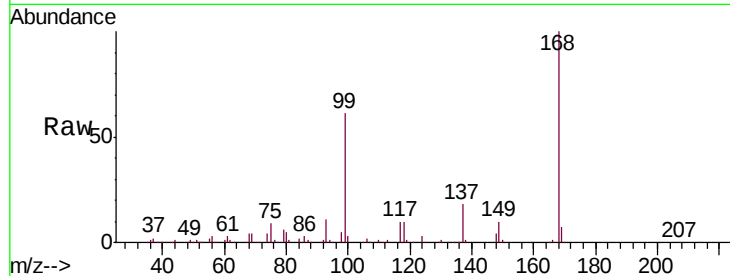
Tgt Ion: 56 Resp: 2770

Ion Ratio Lower Upper

56 100

69 123.8 26.2 39.4#

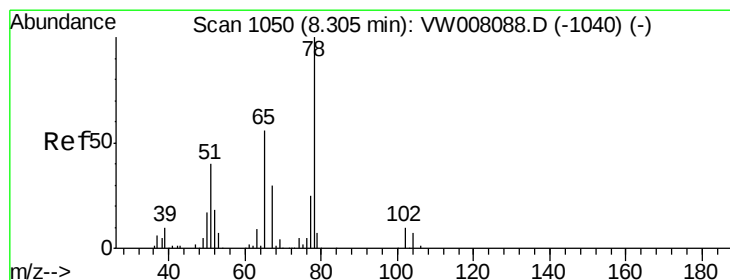
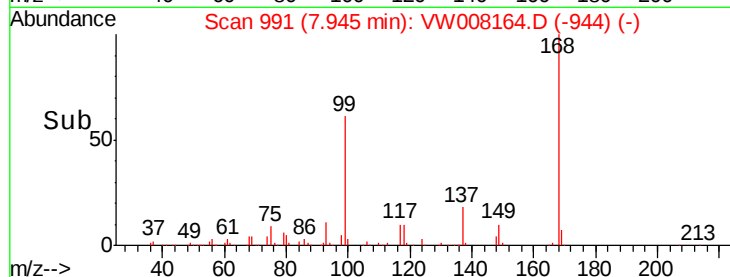
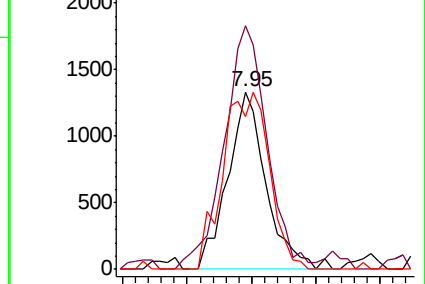
84 82.6 67.4 101.2



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: 50.859 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008164.D

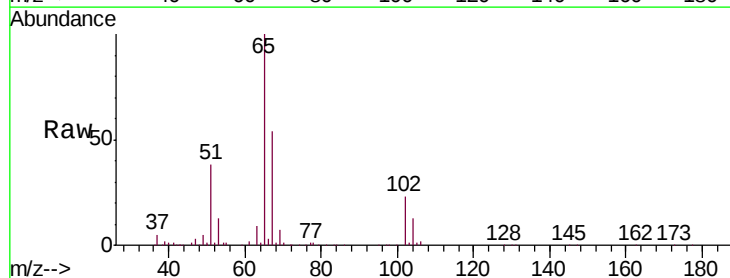
Acq: 10 Jan 2019 22:06

Tgt Ion: 65 Resp: 58299

Ion Ratio Lower Upper

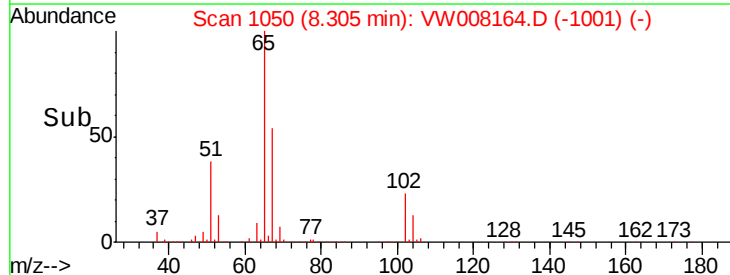
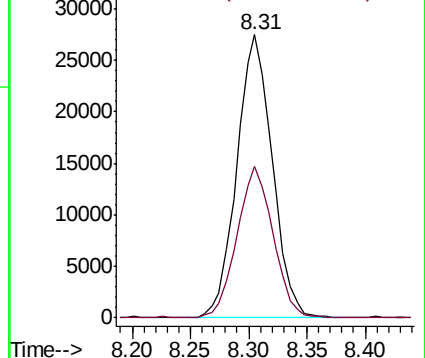
65 100

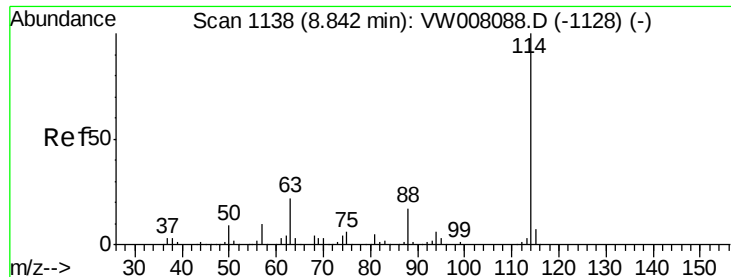
67 54.5 0.0 106.8



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: VW008164.D

Acq: 10 Jan 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

CPSB-06(15-20)MSD

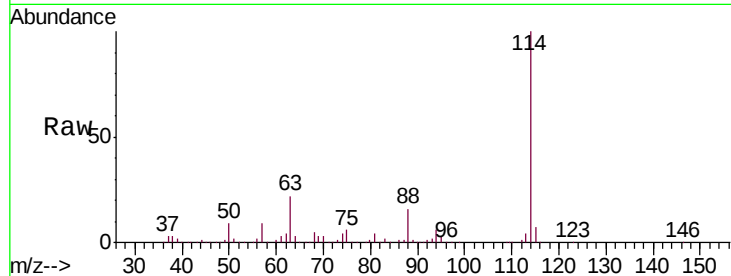
Tgt Ion:114 Resp: 183044

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.4

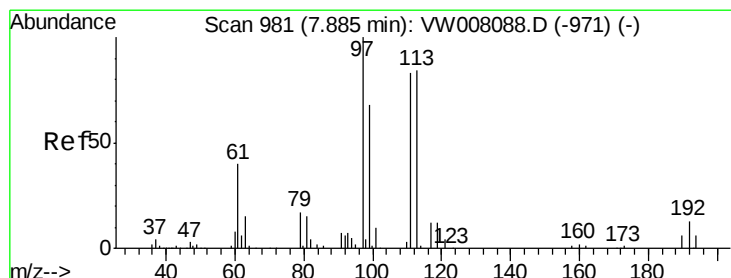
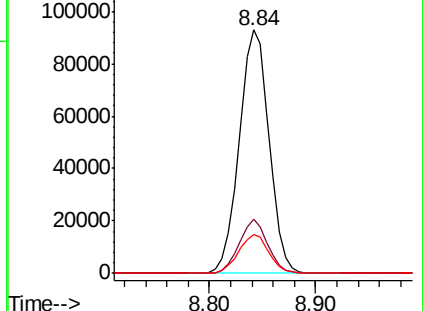
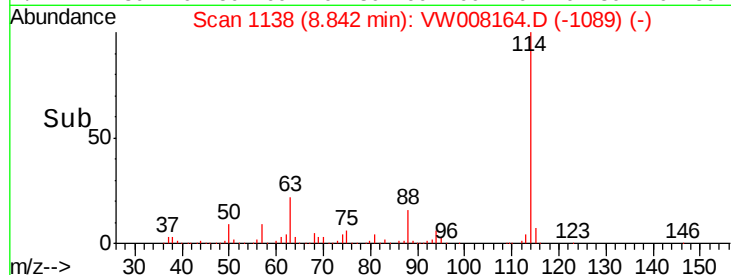
88 15.8 0.0 33.4



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: 52.997 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008164.D

Acq: 10 Jan 2019 22:06

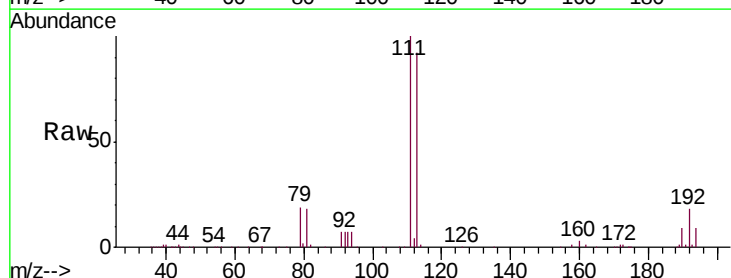
Tgt Ion:113 Resp: 56579

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

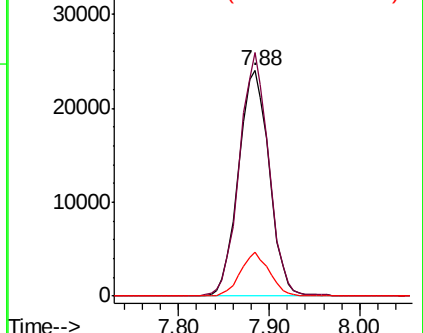
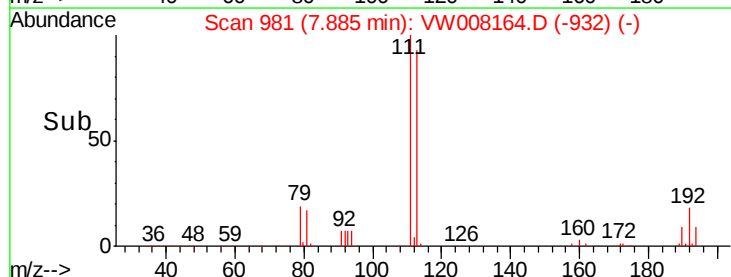
192 18.1 12.8 19.2

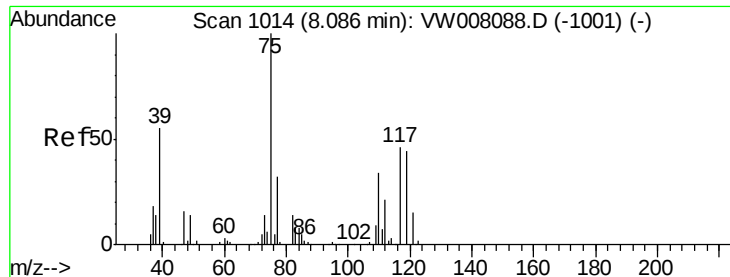


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

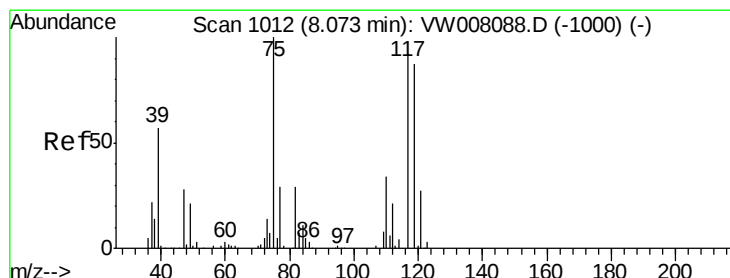
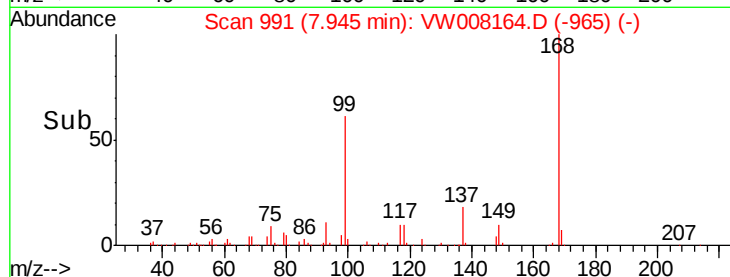
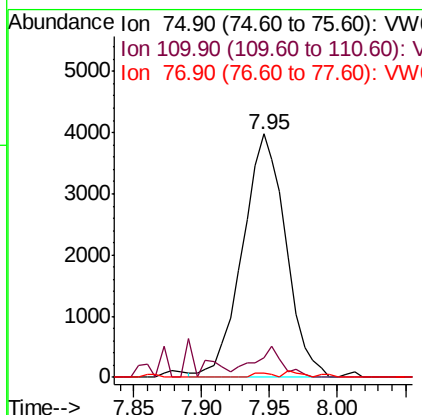
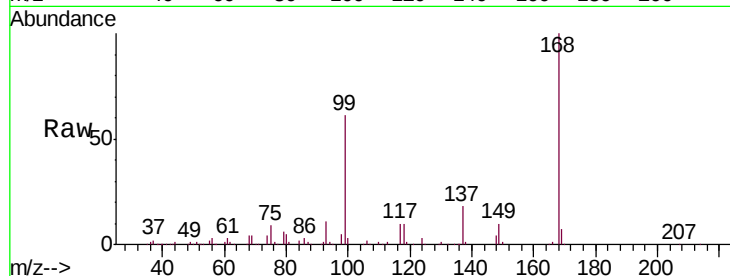




#36
 1,1-Dichloropropene
 Concen: 4.699 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008164.D
 Acq: 10 Jan 2019 22:06

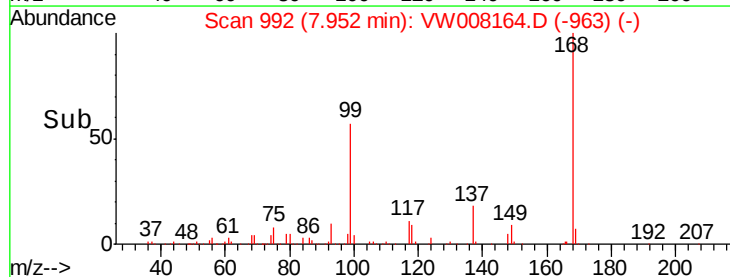
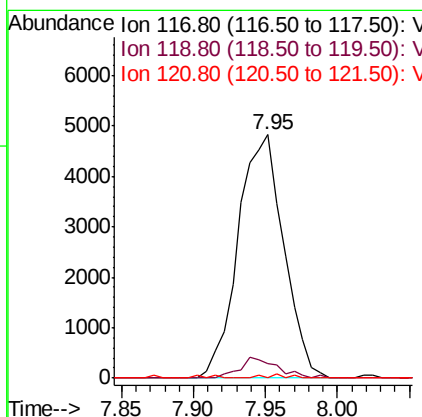
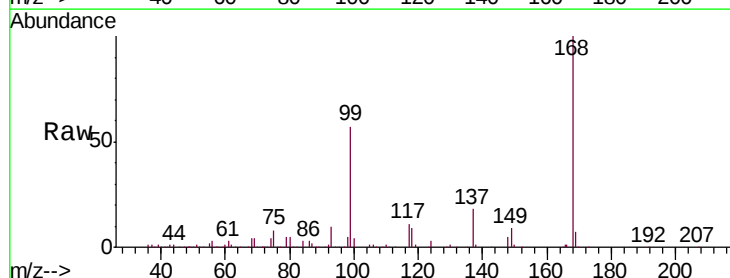
Instrument :
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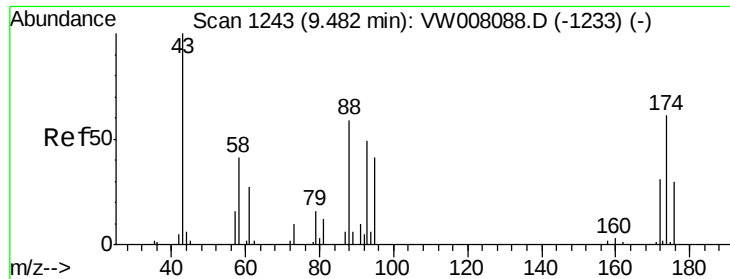
Tgt Ion: 75 Resp: 8861
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.1 51.3#
 77 0.9 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.143 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008164.D
 Acq: 10 Jan 2019 22:06

Tgt Ion: 117 Resp: 10602
 Ion Ratio Lower Upper
 117 100
 119 6.0 75.8 113.8#
 121 0.0 23.7 35.5#

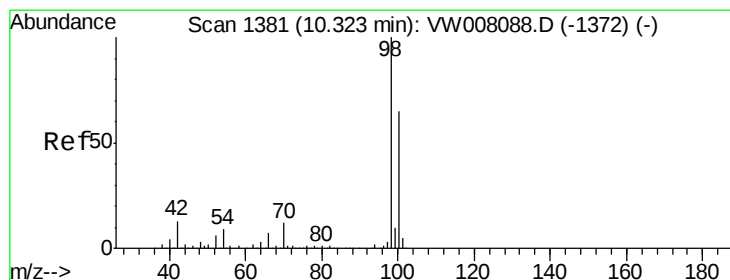
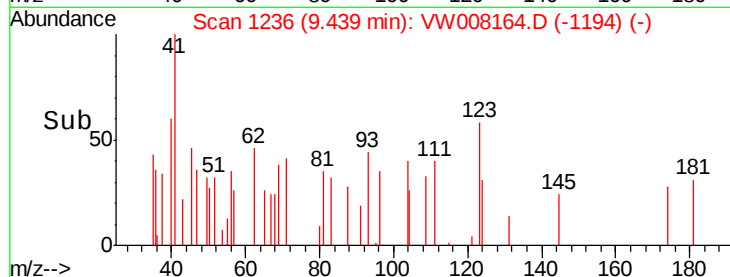
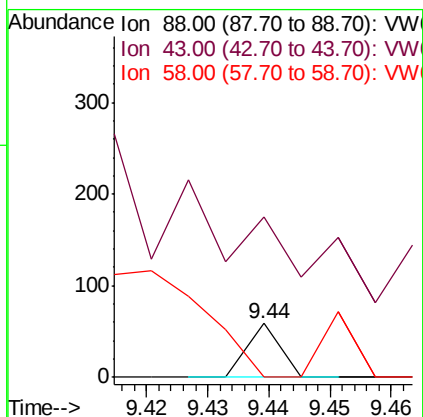
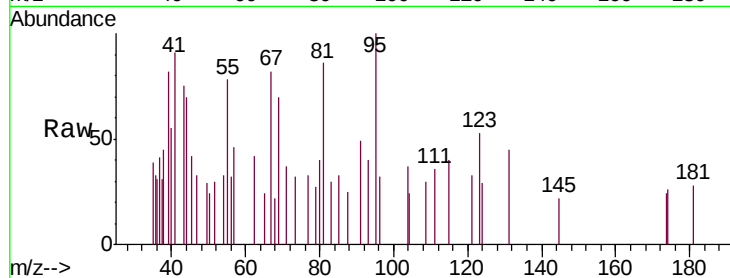




#49
1,4-Dioxane
Concen: 2.197 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.04 min
Lab File: VW008164.D
Acq: 10 Jan 2019 22:06

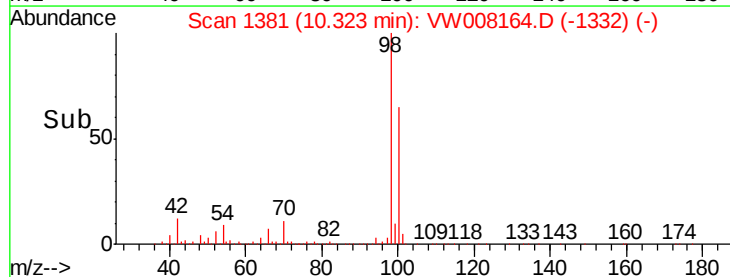
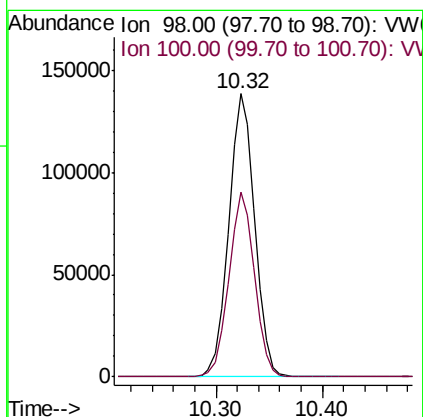
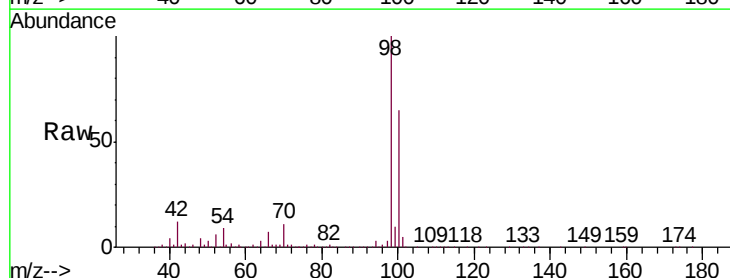
Instrument :
MSVOA_W
ClientSampleId :
CPSB-06(15-20)MSD

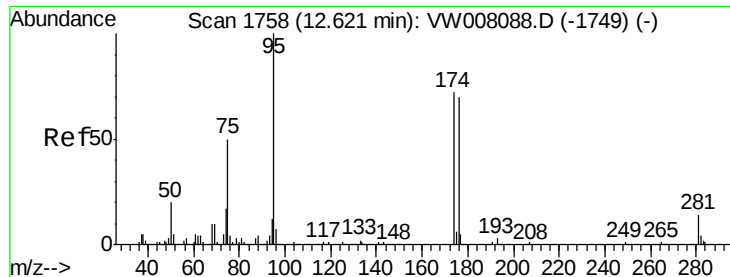
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 118.2 61.7 92.5#



#50
Toluene-d8
Concen: 52.677 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008164.D
Acq: 10 Jan 2019 22:06

Tgt Ion: 98 Resp: 235992
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 52.158 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008164.D

Acq: 10 Jan 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

CPSB-06(15-20)MSD

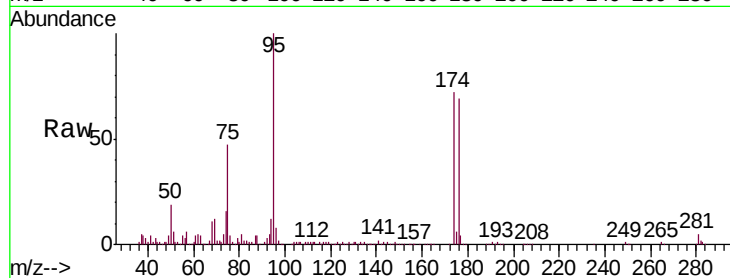
Tgt Ion: 95 Resp: 83770

Ion Ratio Lower Upper

95 100

174 72.8 0.0 143.0

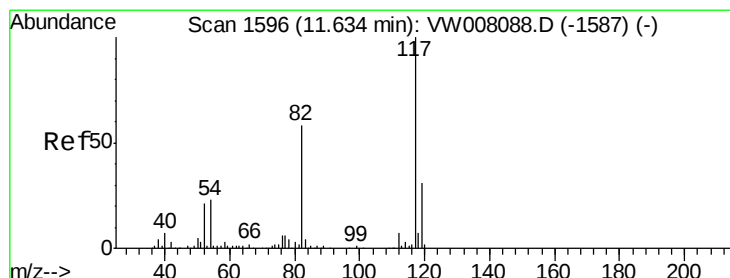
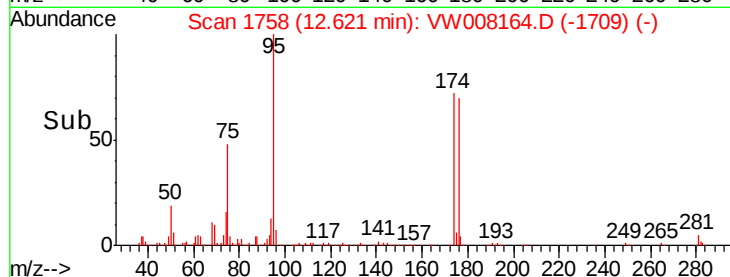
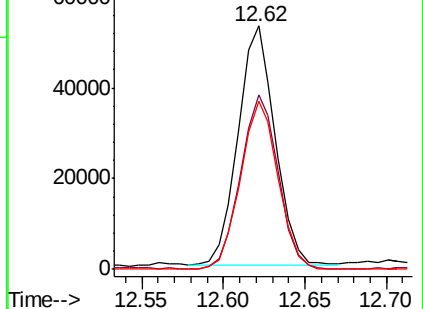
176 71.1 0.0 140.2



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: VW008164.D

Acq: 10 Jan 2019 22:06

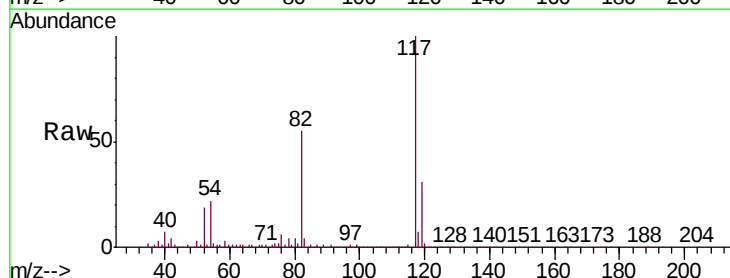
Tgt Ion: 117 Resp: 170109

Ion Ratio Lower Upper

117 100

82 54.7 46.4 69.6

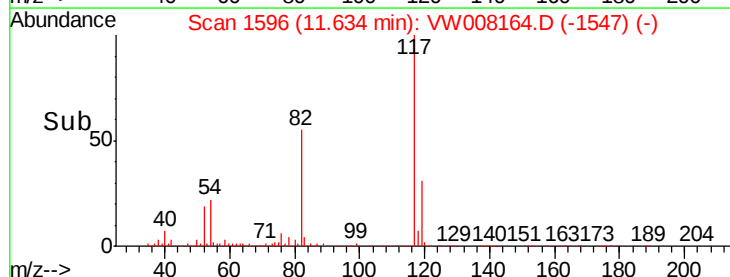
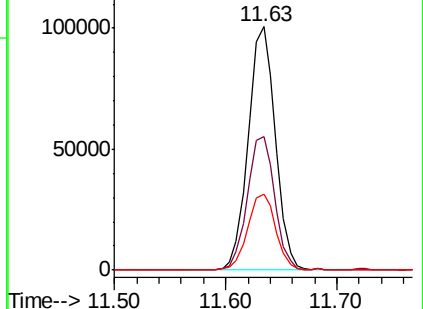
119 31.1 24.7 37.1

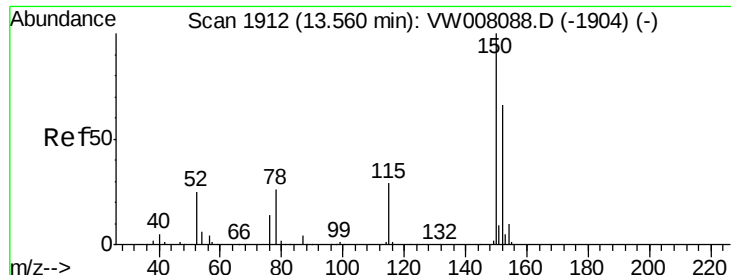


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

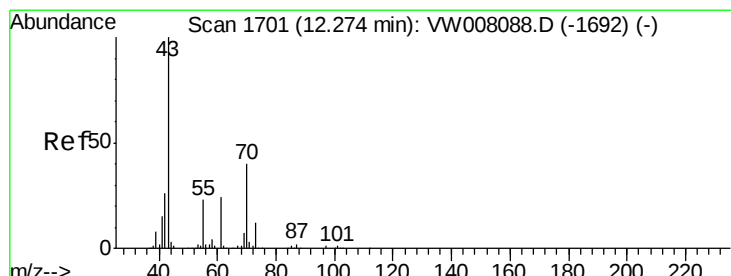
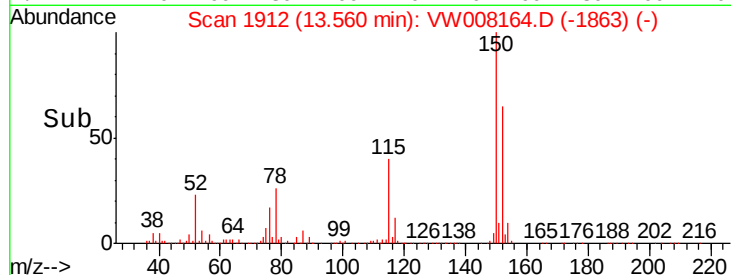
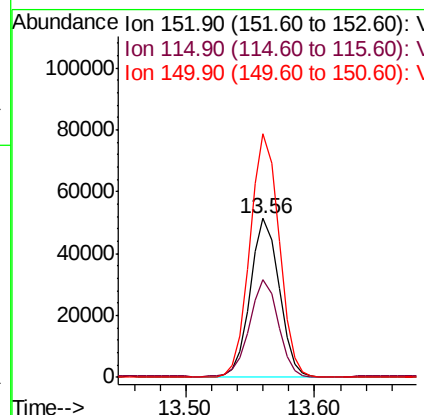
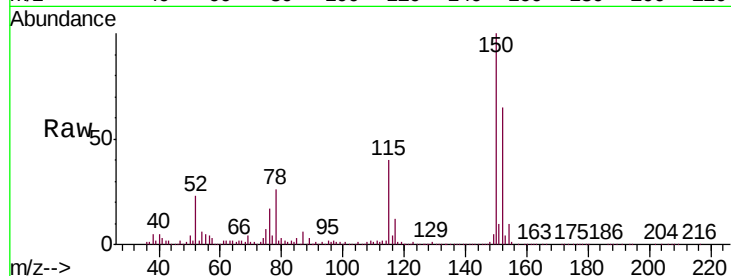




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW008164.D
 Acq: 10 Jan 2019 22:06

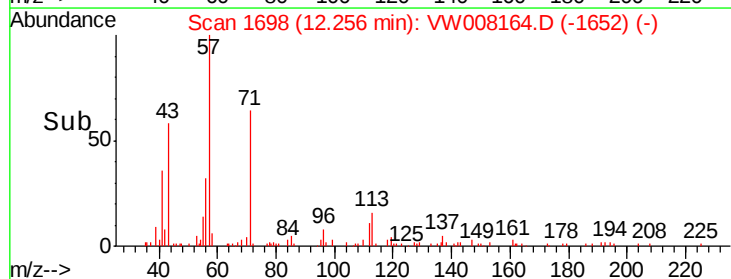
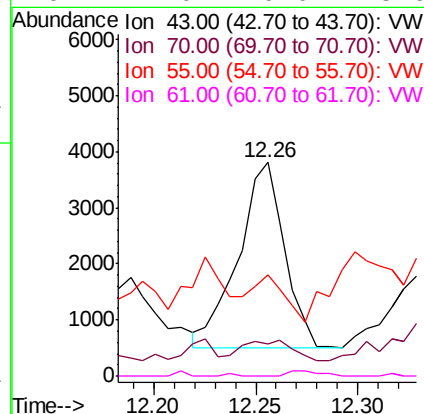
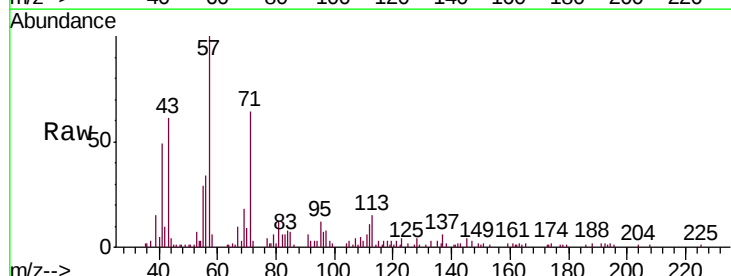
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-06(15-20)MSD

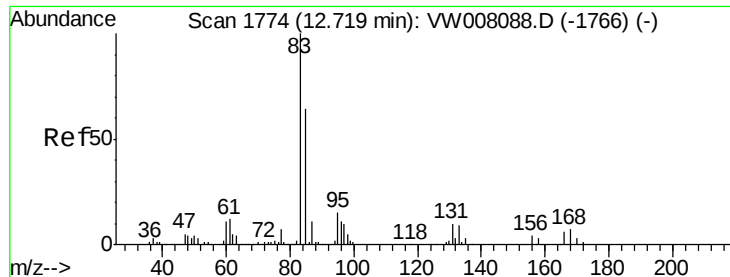
Tgt Ion:152 Resp: 79452
 Ion Ratio Lower Upper
 152 100
 115 59.8 30.8 92.4
 150 154.1 0.0 350.2



#74
 N-ethyl acetate
 Concen: 3.802 ug/l
 RT: 12.26 min Scan# 1698
 Delta R.T. -0.02 min
 Lab File: VW008164.D
 Acq: 10 Jan 2019 22:06

Tgt Ion: 43 Resp: 5252
 Ion Ratio Lower Upper
 43 100
 70 10.9 32.4 48.6#
 55 16.7 18.7 28.1#
 61 2.0 19.0 28.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.421 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.03 min

Lab File: VW008164.D

Acq: 10 Jan 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

CPSB-06(15-20)MSD

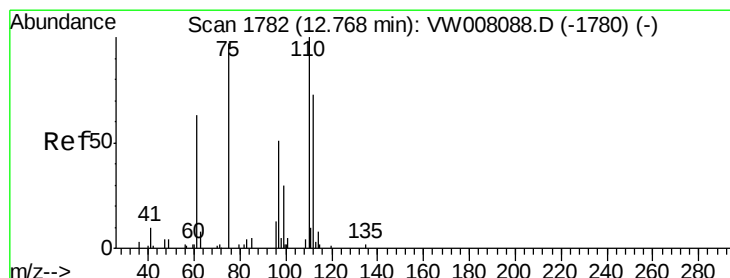
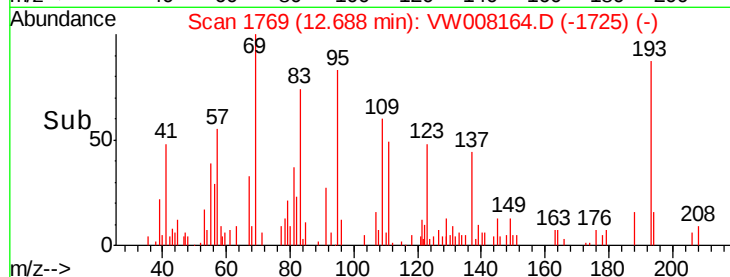
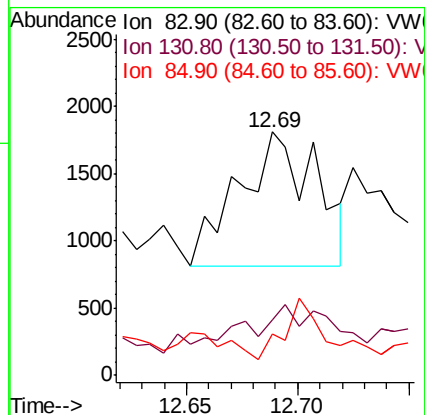
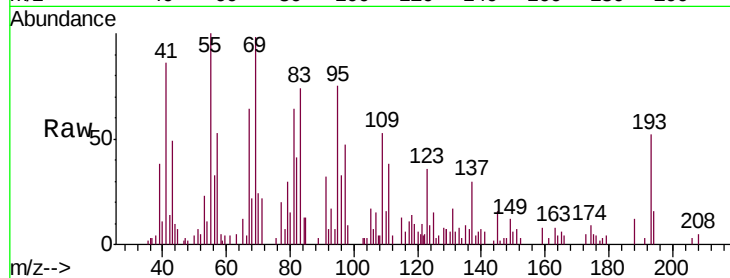
Tgt Ion: 83 Resp: 2417

Ion Ratio Lower Upper

83 100

131 41.3 5.3 16.1#

85 24.9 32.4 97.2#



#76

1,2,3-Trichloropropane

Concen: 55.421 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008164.D

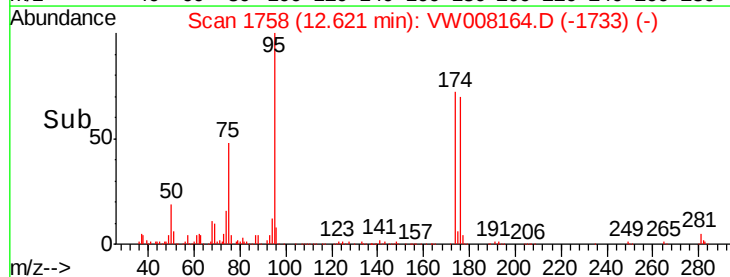
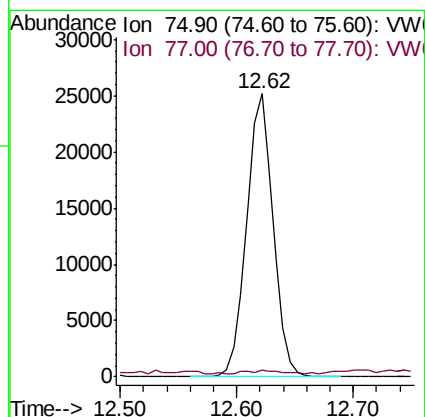
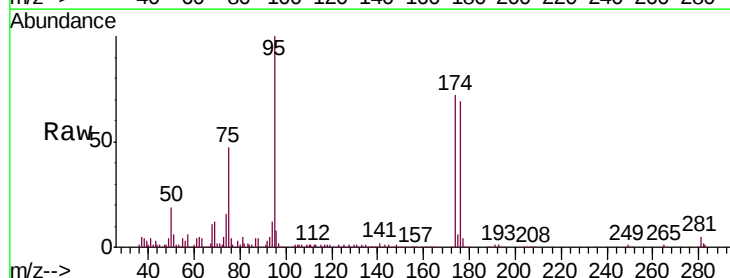
Acq: 10 Jan 2019 22:06

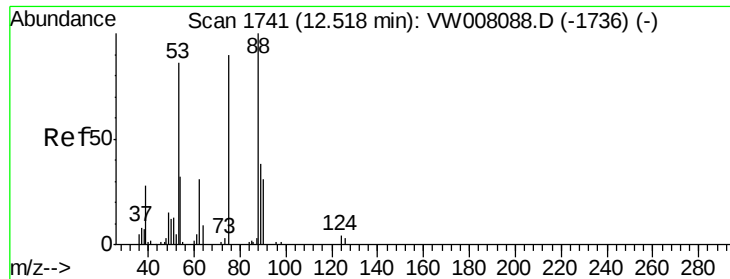
Tgt Ion: 75 Resp: 40141

Ion Ratio Lower Upper

75 100

77 1.4 179.4 538.2#

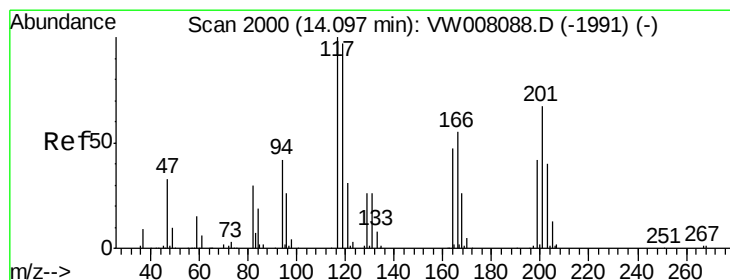
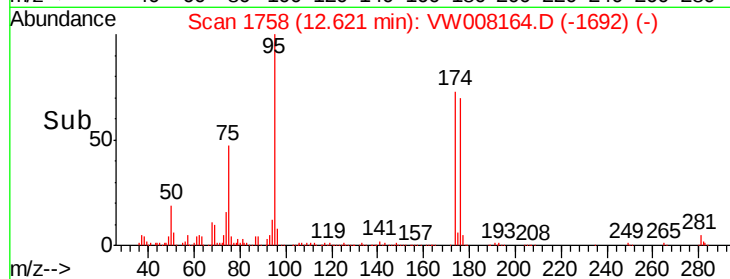
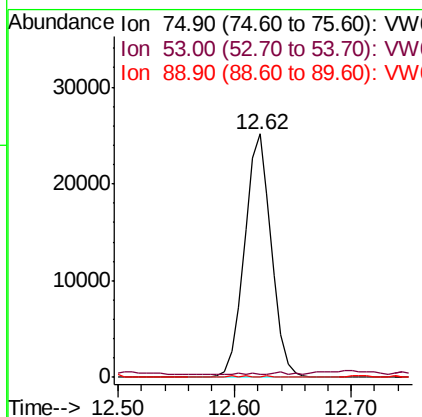
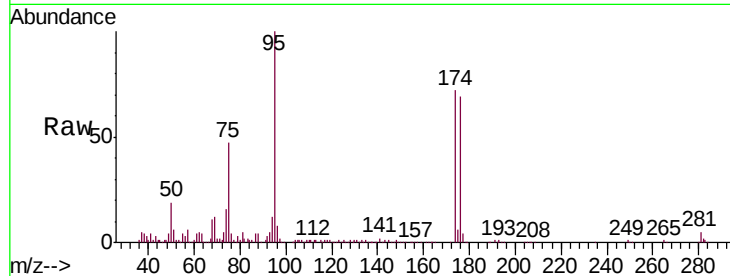




#81
trans-1,4-Dichloro-2-butene
Concen: 129.059 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW008164.D
Acq: 10 Jan 2019 22:06

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

Tgt Ion: 75 Resp: 40141
Ion Ratio Lower Upper
75 100
53 0.8 78.8 118.2#
89 0.8 35.4 53.2#



#90
Hexachloroethane
Concen: 2.661 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW008164.D
Acq: 10 Jan 2019 22:06

Tgt Ion: 117 Resp: 2578
Ion Ratio Lower Upper
117 100
201 0.0 33.0 98.9#

