

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011019\
 Data File : VW008185.D
 Acq On : 11 Jan 2019 09:06
 Operator : SY/AP
 Sample : K1102-04
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-02(20-25)

Quant Time: Jan 11 11:18:28 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	96030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	171778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	155796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	70153	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	59063	54.72	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.88	113	54454	54.35	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.32	98	216898	51.59	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.62	95	74605	49.50	ug/l	0.00
Spiked Amount						

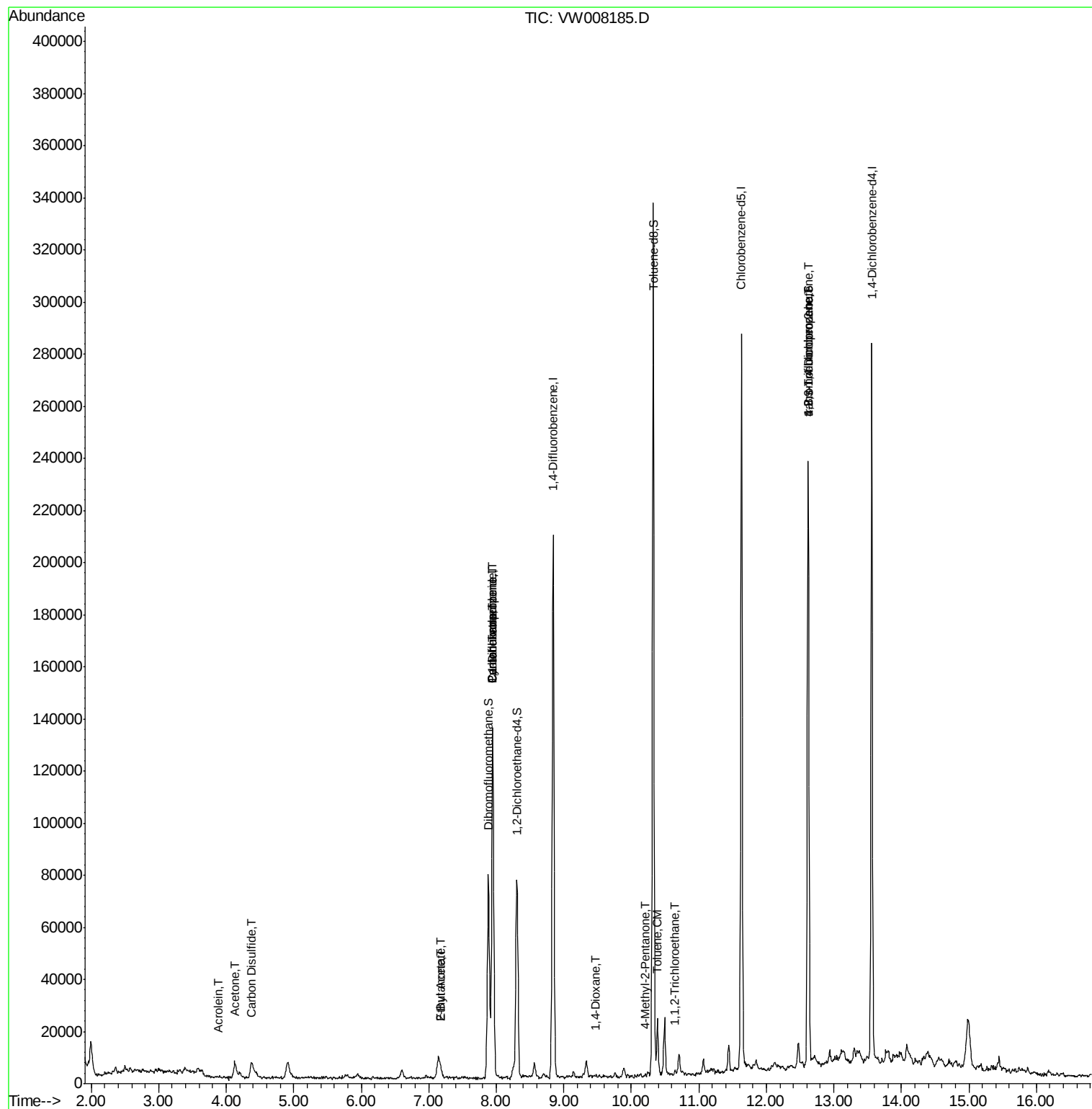
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	151	Below Cal		# 100
13) Acrolein	3.89	56	222	1.603	ug/l	# 38
16) Acetone	4.13	43	11425	41.229	ug/l	90
17) Carbon Disulfide	4.37	76	13427	4.087	ug/l	96
20) Methylene Chloride	4.92	84	4724	Below Cal		90
25) 2-Butanone	7.18	43	4723	15.728	ug/l	91
31) Cyclohexane	7.94	56	2561	1.128	ug/l	# 27
36) 1,1-Dichloropropene	7.95	75	8365	4.727	ug/l	# 42
37) Ethyl Acetate	7.18	43	4723	6.662	ug/l	# 72
38) Carbon Tetrachloride	7.95	117	10404	6.424	ug/l	# 17
49) 1,4-Dioxane	9.48	88	20	2.128	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.22	43	742	1.081	ug/l	# 84
52) Toluene	10.39	92	8783	2.866	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	1067	1.300	ug/l	# 16
76) 1,2,3-Trichloropropane	12.62	75	36728	57.431	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.62	75	36728	133.738	ug/l	# 11

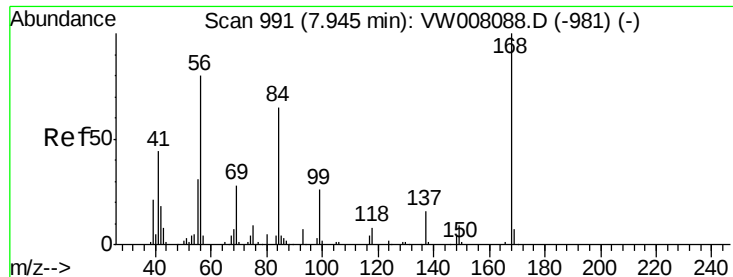
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008185.D

Acq: 11 Jan 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

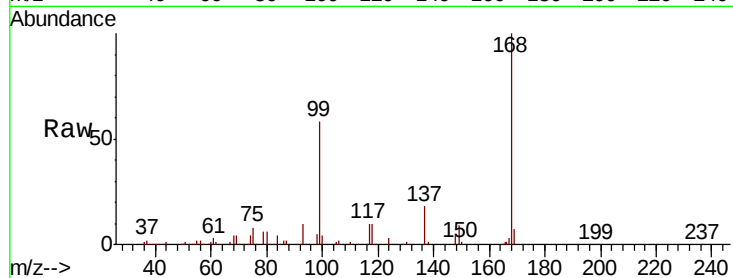
CPSB-02(20-25)

Tgt Ion:168 Resp: 96030

Ion Ratio Lower Upper

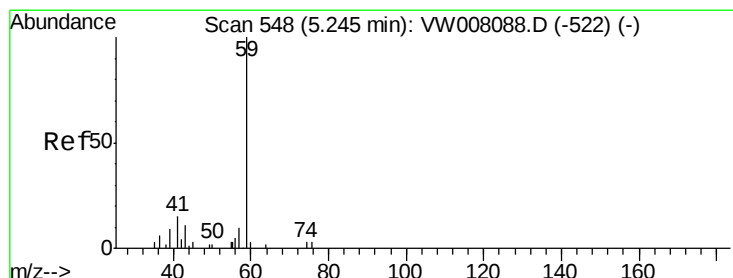
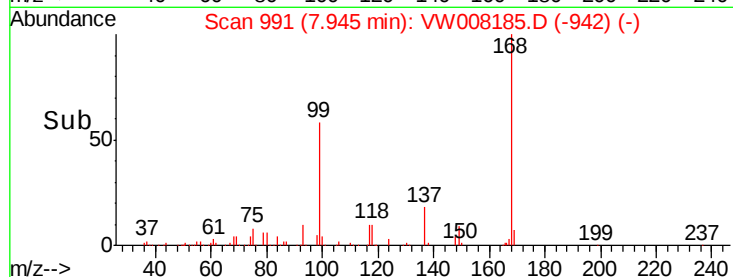
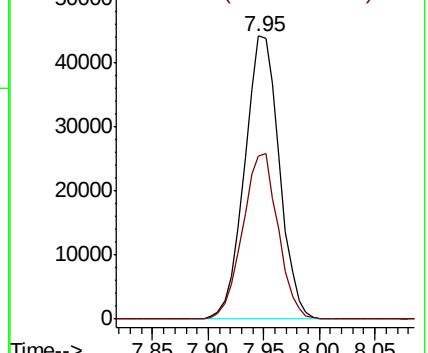
168 100

99 57.8 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW008185.D

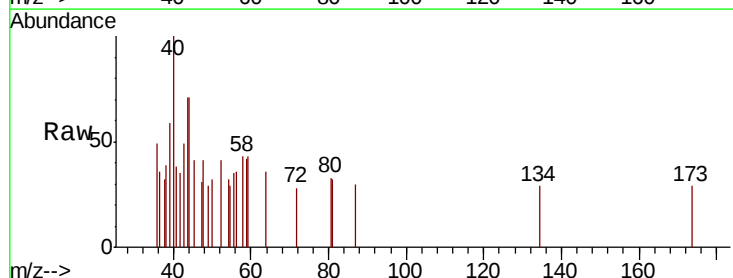
Acq: 11 Jan 2019 09:06

Tgt Ion: 59 Resp: 151

Ion Ratio Lower Upper

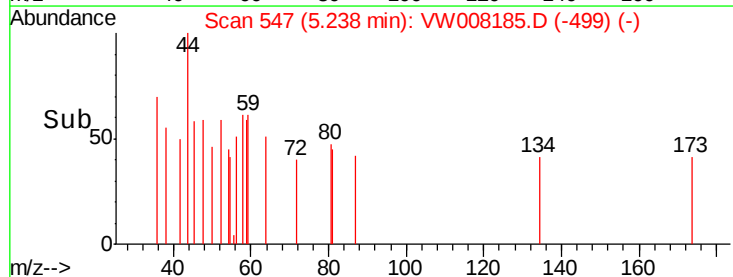
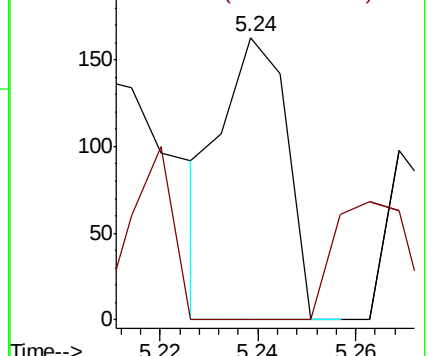
59 100

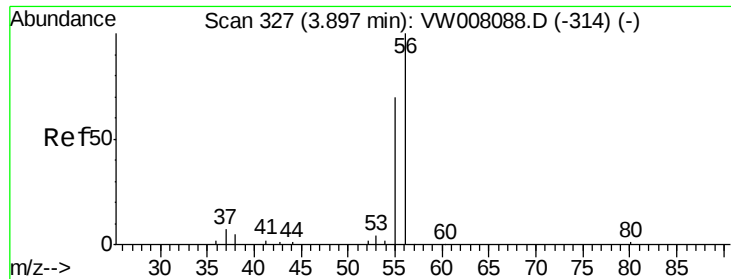
57 39.1 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

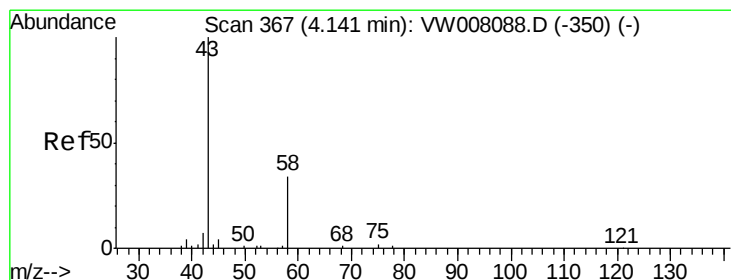
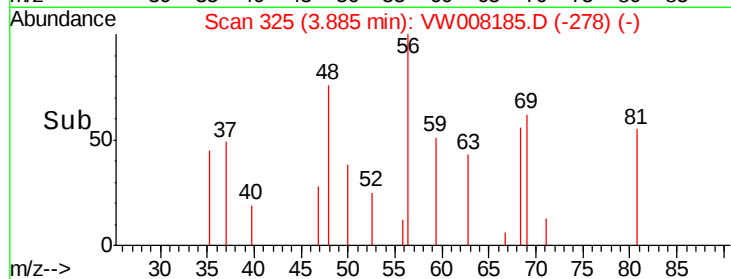
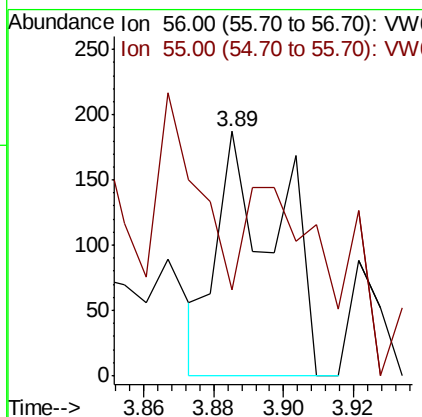
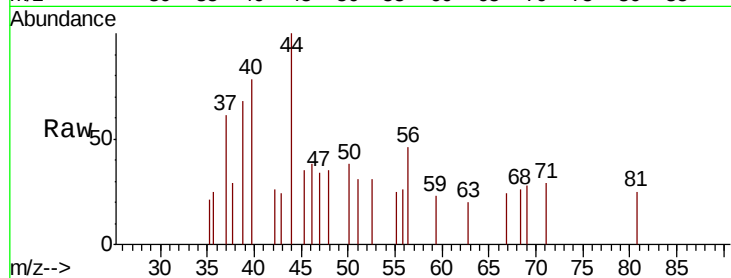




#13
Acrolein
Concen: 1.603 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW008185.D
Acq: 11 Jan 2019 09:06

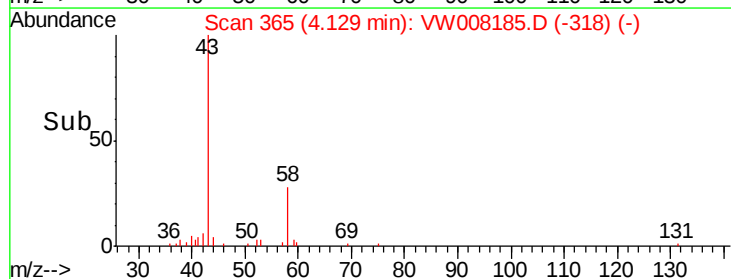
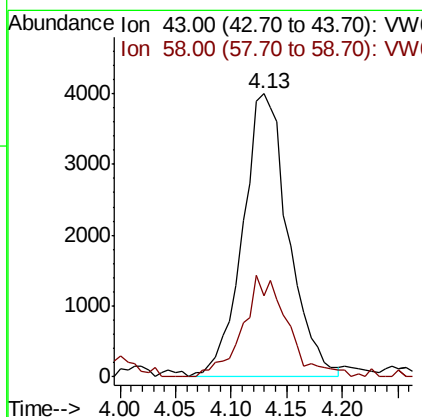
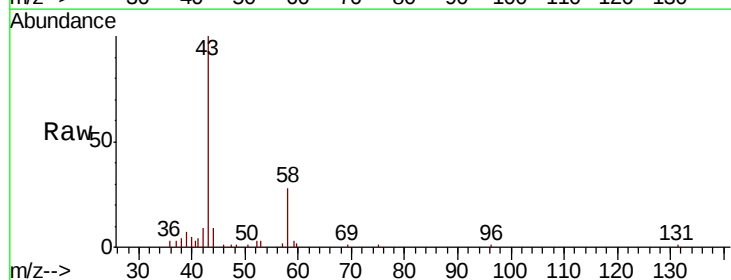
Instrument :
MSVOA_W
ClientSampleId :
CPSB-02(20-25)

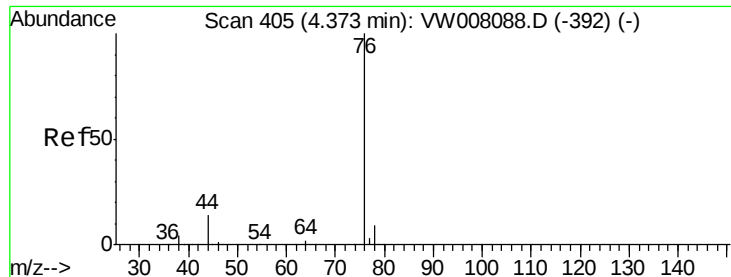
Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 121.6 56.6 84.8#



#16
Acetone
Concen: 41.229 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW008185.D
Acq: 11 Jan 2019 09:06

Tgt Ion: 43 Resp: 11425
Ion Ratio Lower Upper
43 100
58 28.5 27.5 41.3

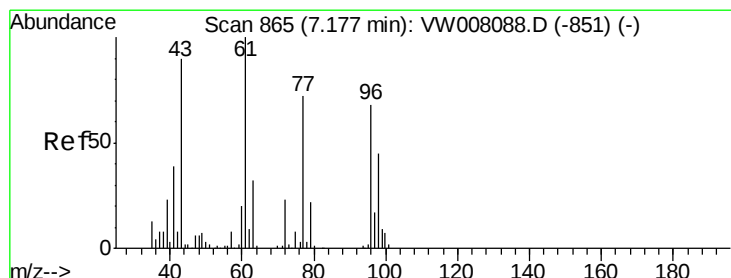
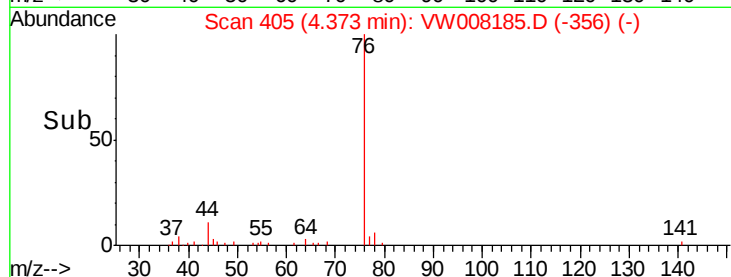
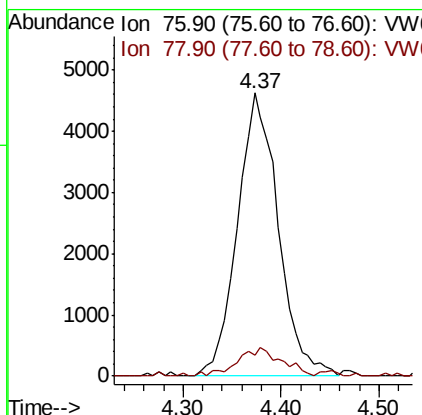
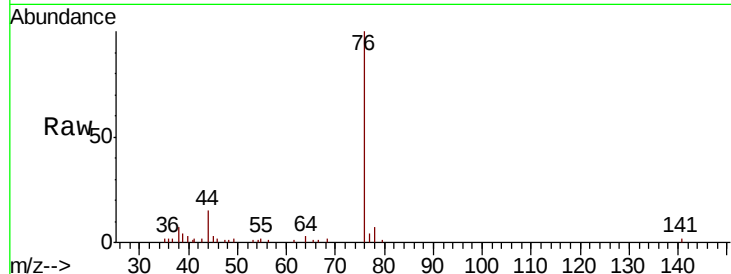




#17
Carbon Disulfide
Concen: 4.087 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008185.D
Acq: 11 Jan 2019 09:06

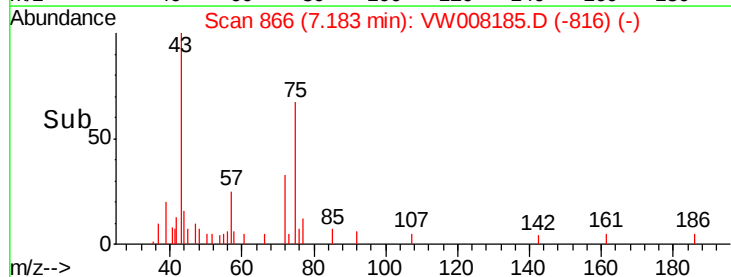
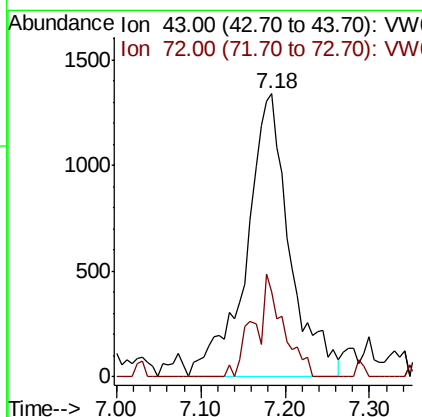
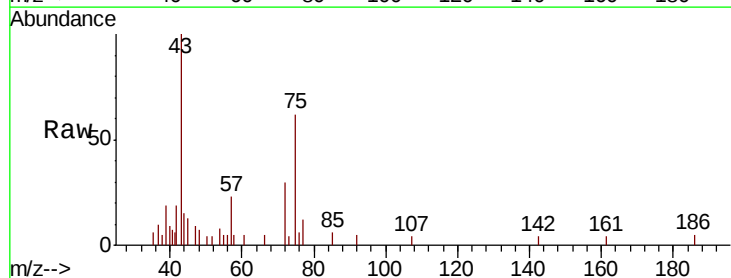
Instrument :
MSVOA_W
ClientSampled :
CPSB-02(20-25)

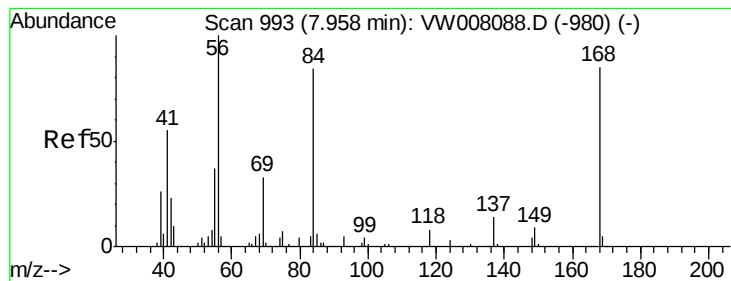
Tgt Ion: 76 Resp: 13427
Ion Ratio Lower Upper
76 100
78 7.5 7.0 10.6



#25
2-Butanone
Concen: 15.728 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008185.D
Acq: 11 Jan 2019 09:06

Tgt Ion: 43 Resp: 4723
Ion Ratio Lower Upper
43 100
72 30.2 20.5 30.7





#31

Cyclohexane

Concen: 1.128 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW008185.D

Acq: 11 Jan 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

CPSB-02(20-25)

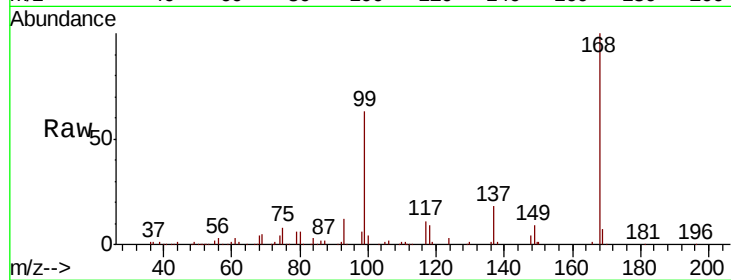
Tgt Ion: 56 Resp: 2561

Ion Ratio Lower Upper

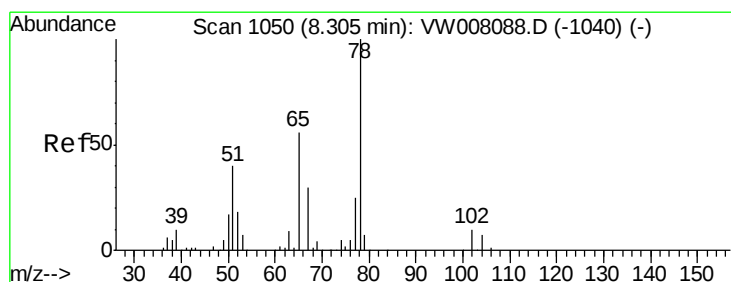
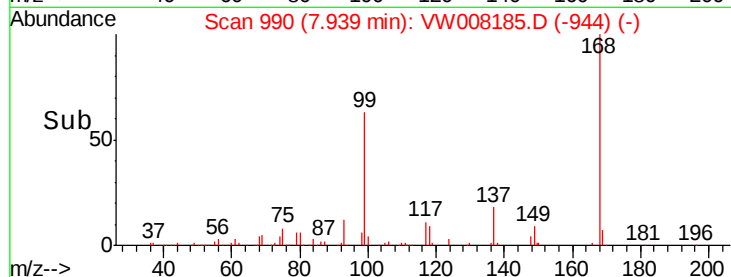
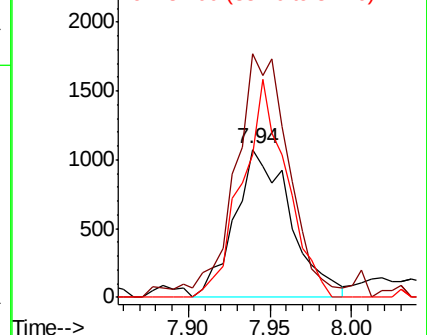
56 100

69 158.9 26.2 39.4#

84 96.8 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: 54.724 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008185.D

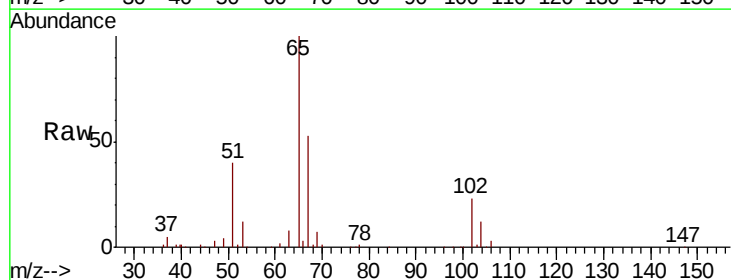
Acq: 11 Jan 2019 09:06

Tgt Ion: 65 Resp: 59063

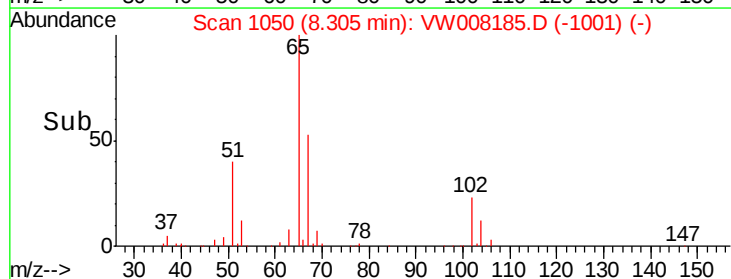
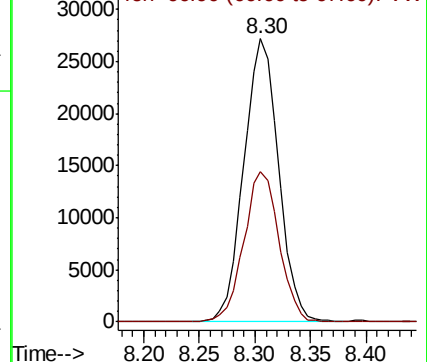
Ion Ratio Lower Upper

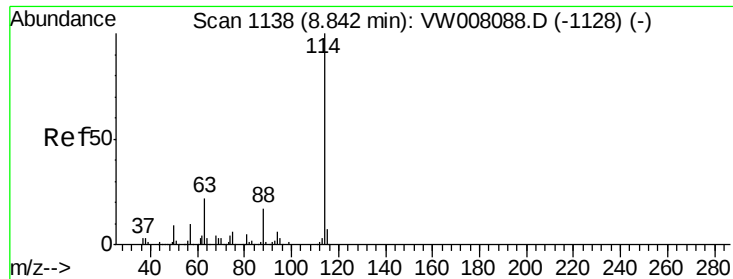
65 100

67 54.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

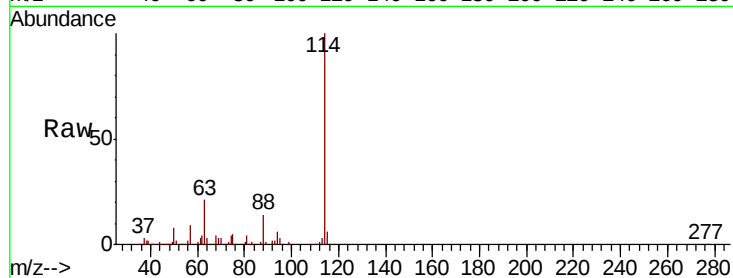




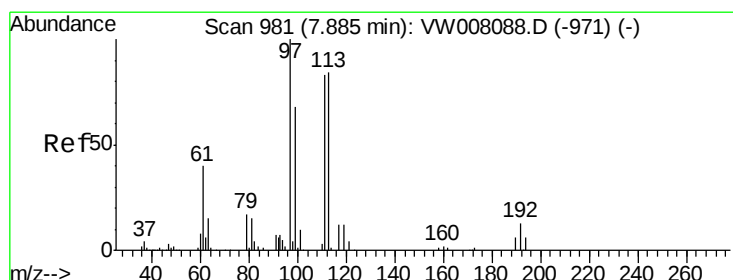
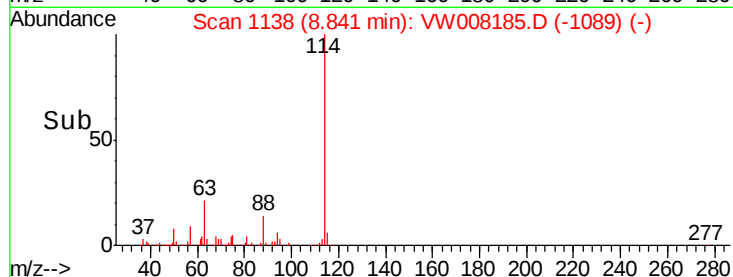
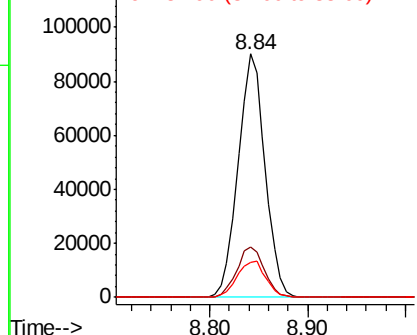
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008185.D
 Acq: 11 Jan 2019 09:06

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-02(20-25)

Tgt Ion:114 Resp: 171778
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.4
 88 14.3 0.0 33.4

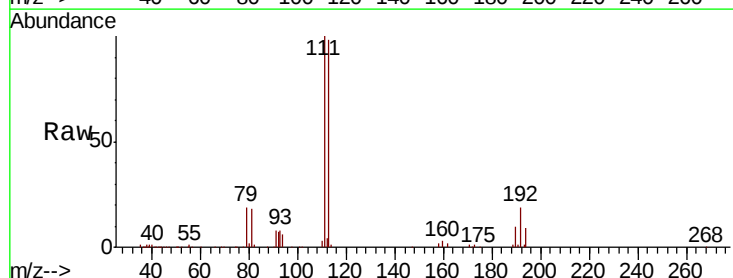


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

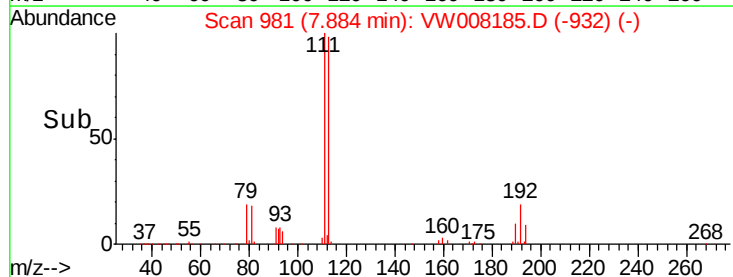
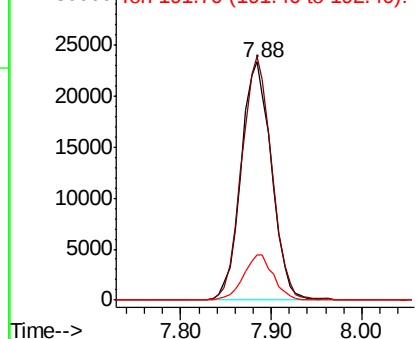


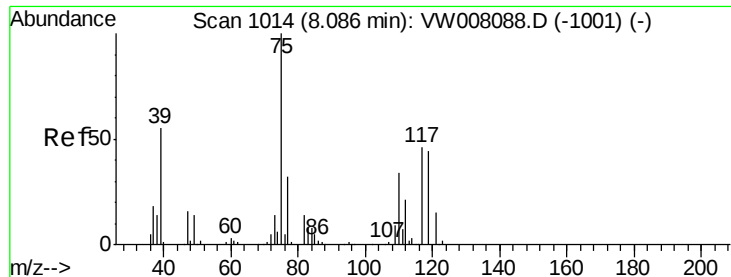
#35
 Dibromofluoromethane
 Concen: 54.352 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008185.D
 Acq: 11 Jan 2019 09:06

Tgt Ion:113 Resp: 54454
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.8 122.8
 192 18.5 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

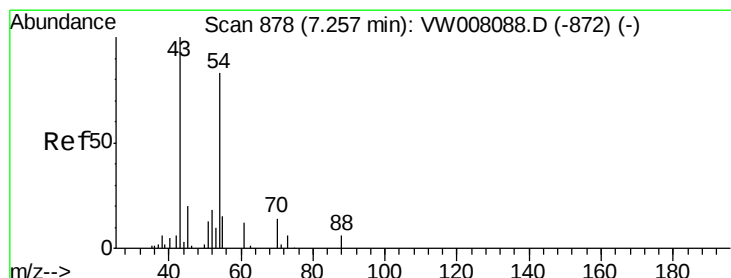
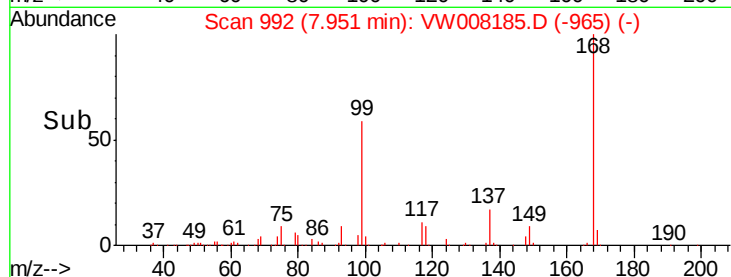
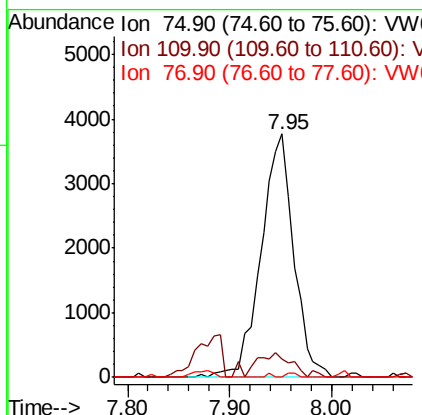
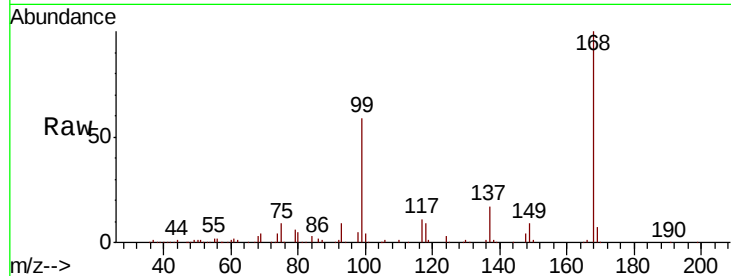




#36
 1,1-Dichloropropene
 Concen: 4.727 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008185.D
 Acq: 11 Jan 2019 09:06

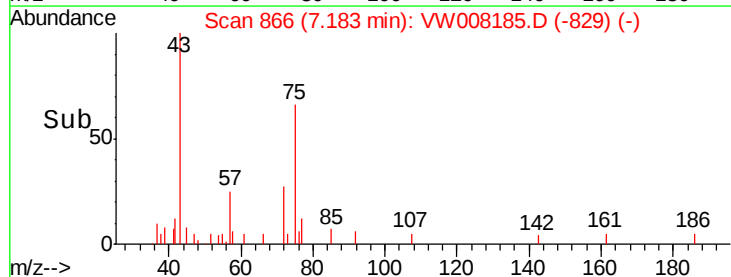
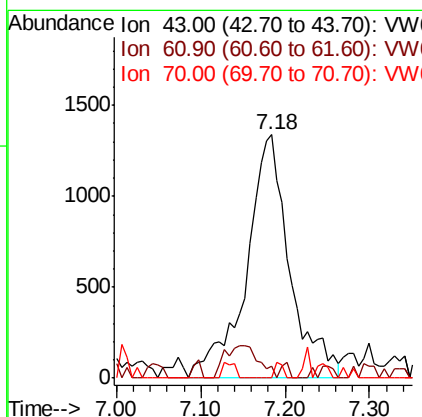
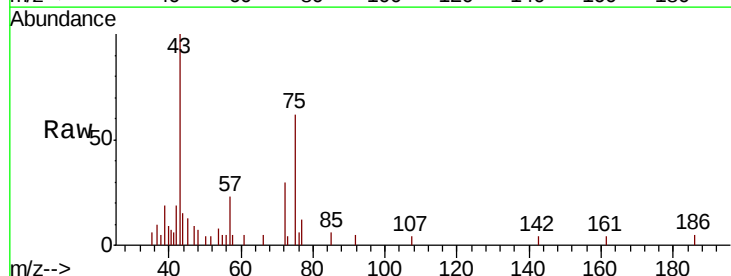
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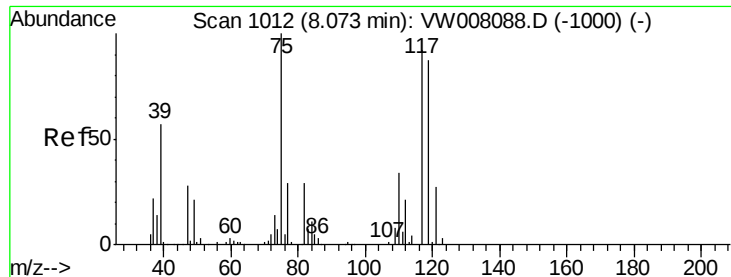
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.3#
77	0.6	25.5	38.3#



#37
 Ethyl Acetate
 Concen: 6.662 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW008185.D
 Acq: 11 Jan 2019 09:06

Tgt Ion	Ratio	Lower	Upper
43	100		
61	1.2	10.6	16.0#
70	1.2	8.9	13.3#





#38

Carbon Tetrachloride

Concen: 6.424 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008185.D

Acq: 11 Jan 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

CPSB-02(20-25)

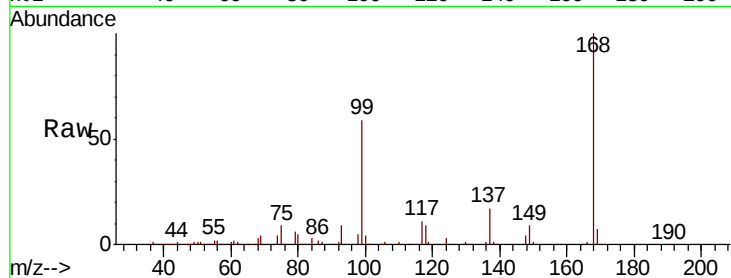
Tgt Ion:117 Resp: 10404

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.8#

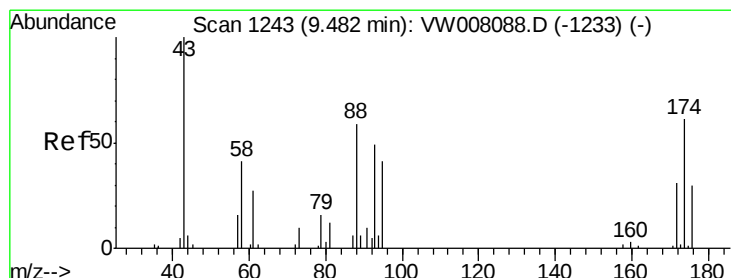
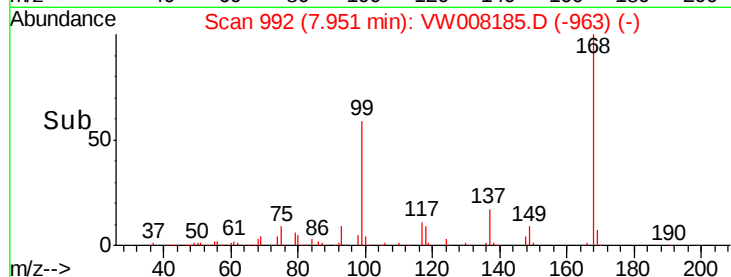
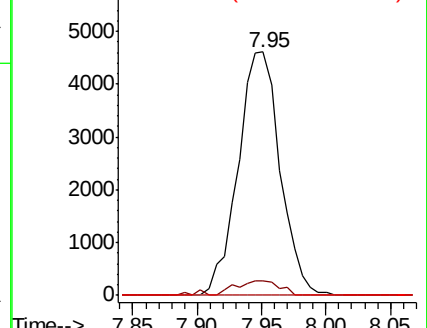
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 2.128 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VW008185.D

Acq: 11 Jan 2019 09:06

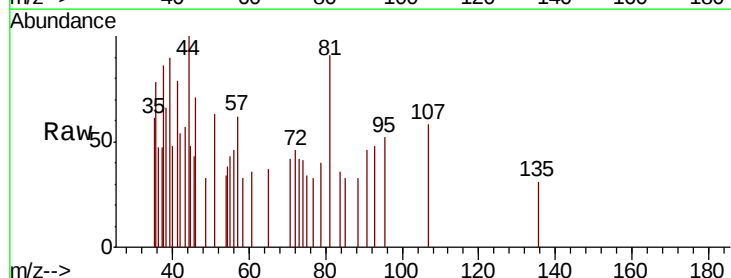
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

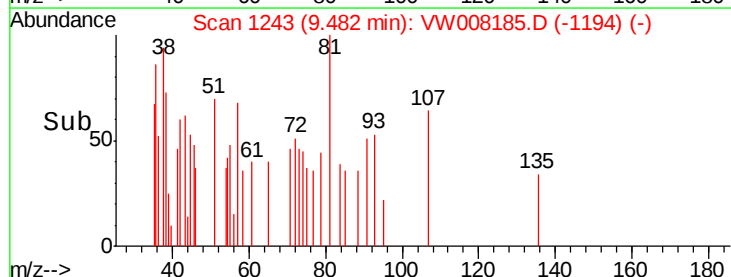
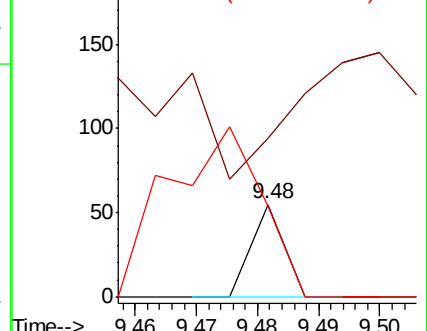
58 535.0 61.7 92.5#

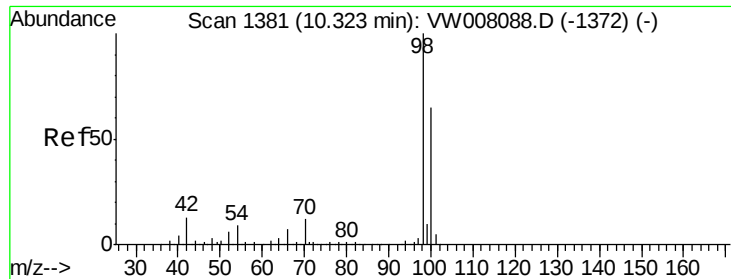


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.590 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008185.D

Acq: 11 Jan 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

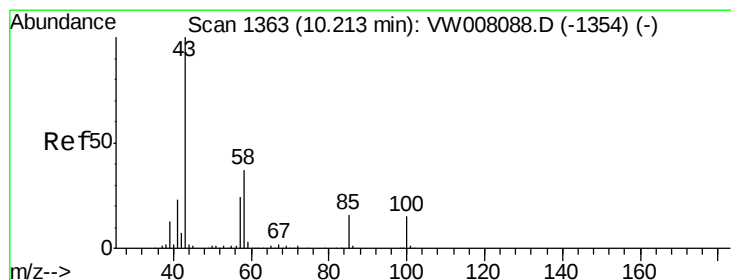
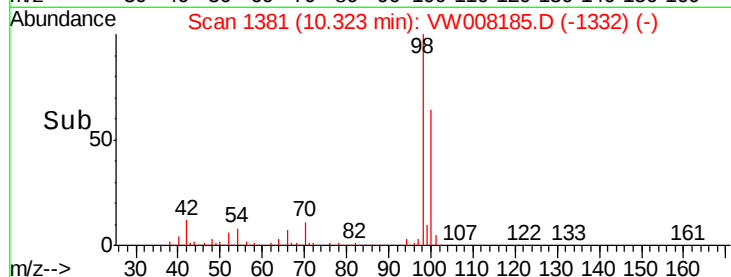
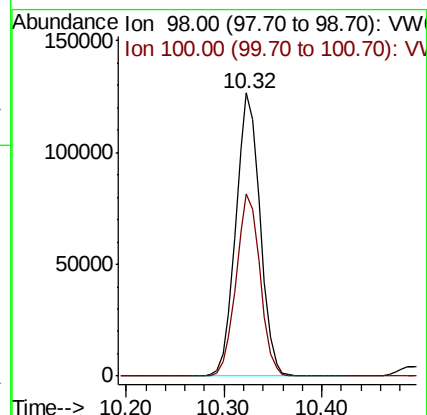
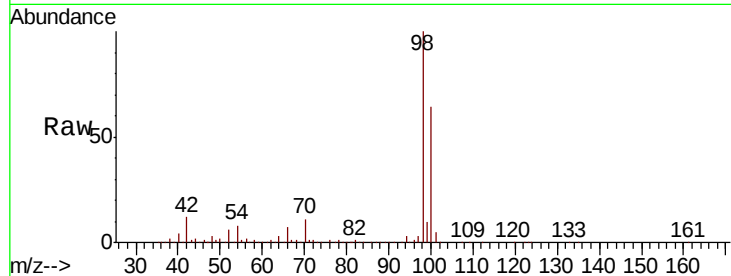
CPSB-02(20-25)

Tgt Ion: 98 Resp: 216898

Ion Ratio Lower Upper

98 100

100 63.8 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.081 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW008185.D

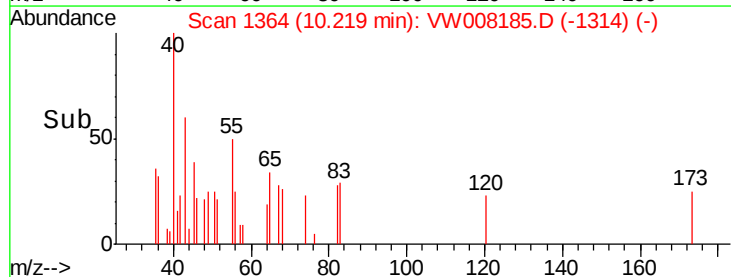
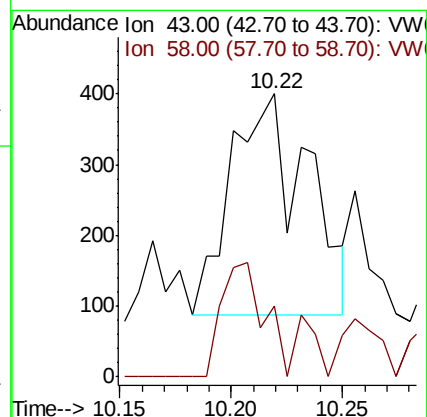
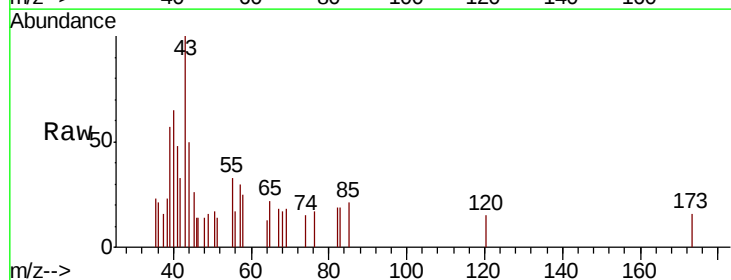
Acq: 11 Jan 2019 09:06

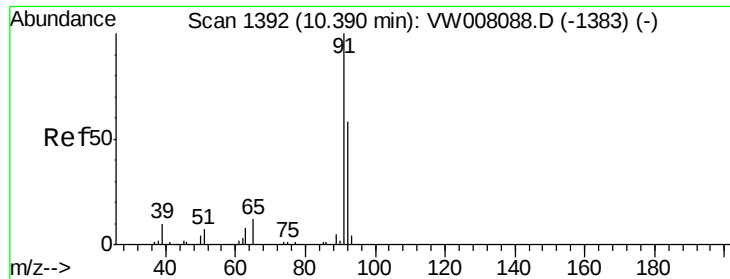
Tgt Ion: 43 Resp: 742

Ion Ratio Lower Upper

43 100

58 28.8 30.6 46.0#





#52

Toluene

Concen: 2.866 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008185.D

Acq: 11 Jan 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

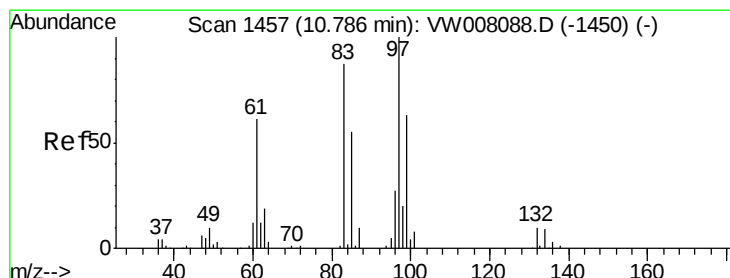
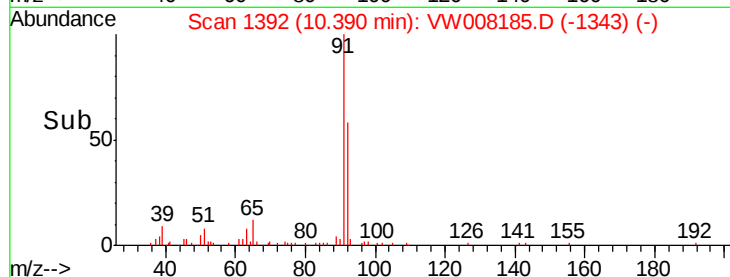
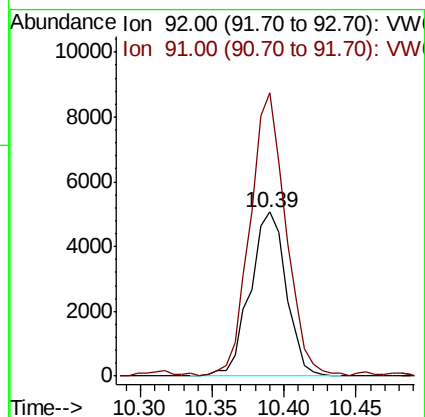
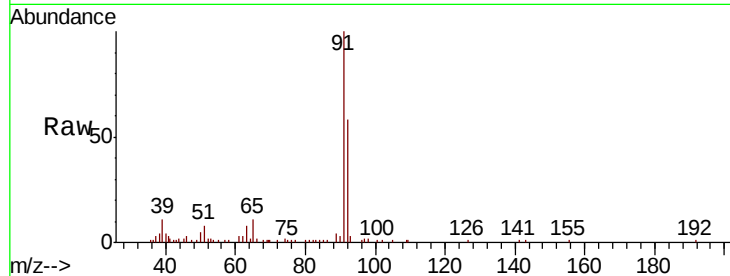
CPSB-02(20-25)

Tgt Ion: 92 Resp: 8783

Ion Ratio Lower Upper

92 100

91 170.9 137.0 205.4



#55

1,1,2-Trichloroethane

Concen: 1.300 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.14 min

Lab File: VW008185.D

Acq: 11 Jan 2019 09:06

Tgt Ion: 97 Resp: 1067

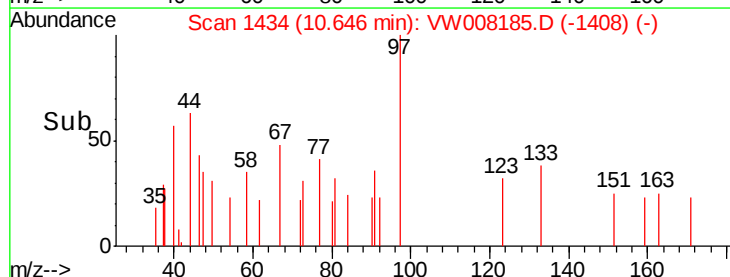
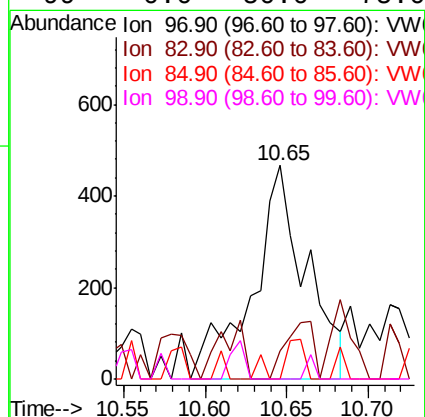
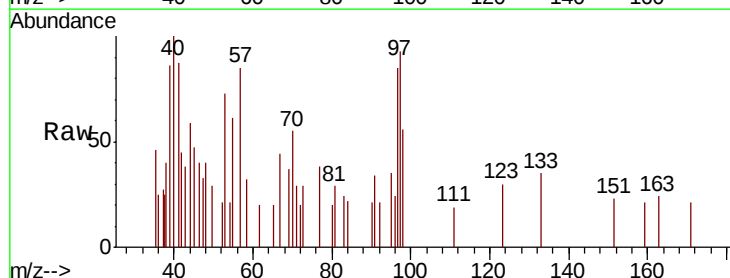
Ion Ratio Lower Upper

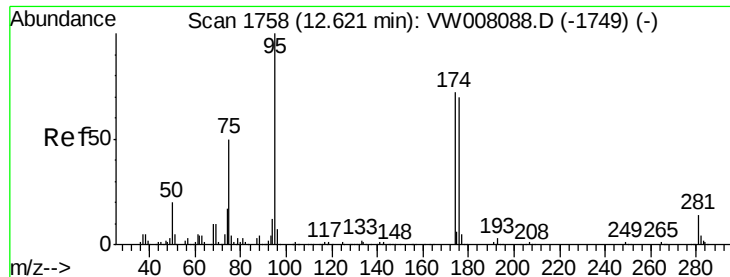
97 100

83 2.1 69.3 103.9#

85 0.0 43.8 65.6#

99 0.0 50.0 75.0#

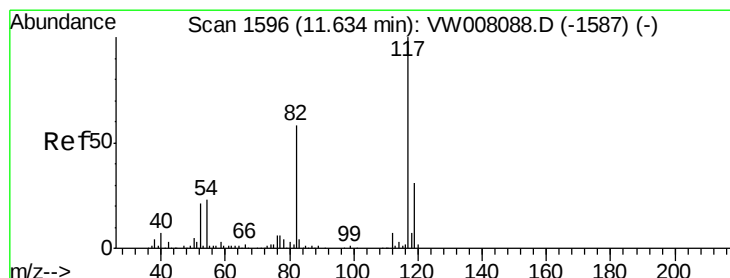
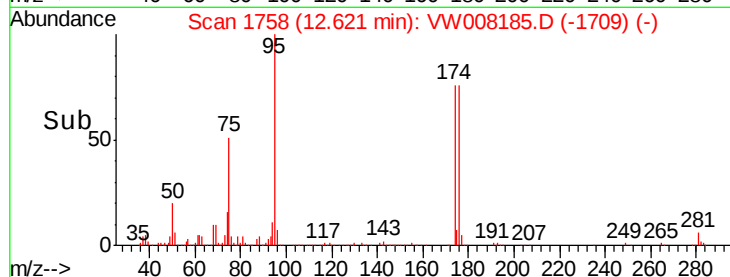
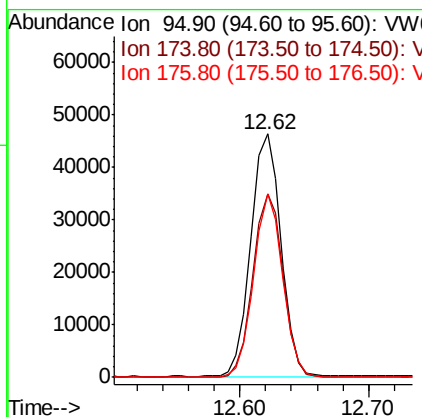
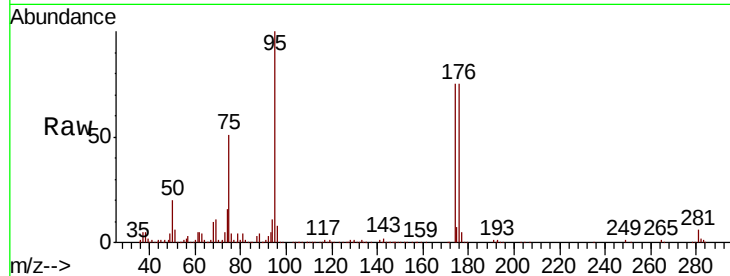




#62
 4-Bromofluorobenzene
 Concen: 49.498 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008185.D
 Acq: 11 Jan 2019 09:06

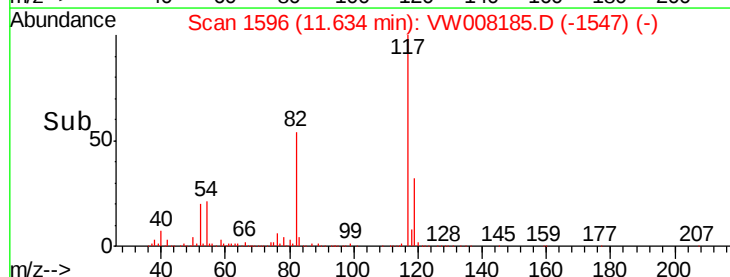
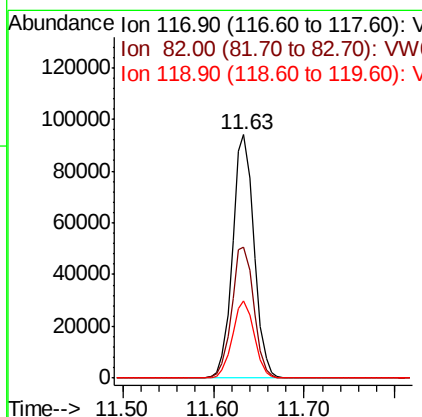
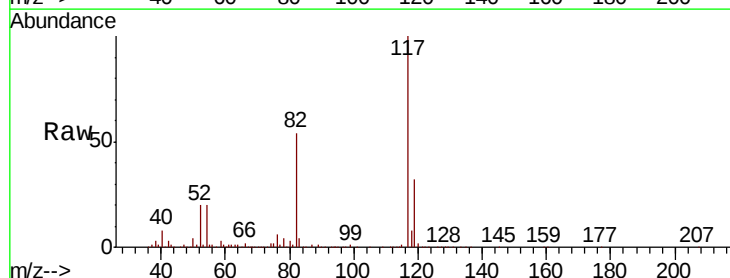
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-02(20-25)

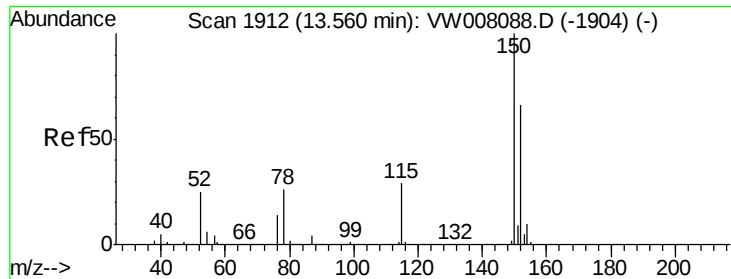
Tgt Ion: 95 Resp: 74605
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 143.0
 176 72.6 0.0 140.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VW008185.D
 Acq: 11 Jan 2019 09:06

Tgt Ion: 117 Resp: 155796
 Ion Ratio Lower Upper
 117 100
 82 53.6 46.4 69.6
 119 31.5 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: VW008185.D

Acq: 11 Jan 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

CPSB-02(20-25)

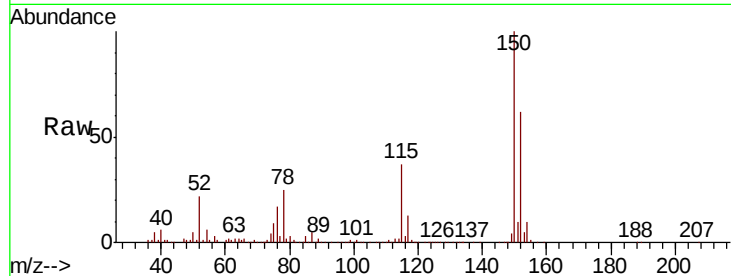
Tgt Ion:152 Resp: 70153

Ion Ratio Lower Upper

152 100

115 59.8 30.8 92.4

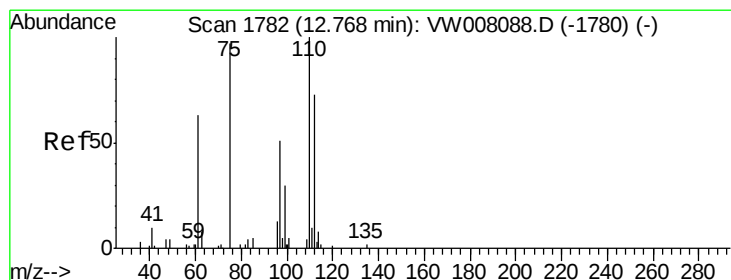
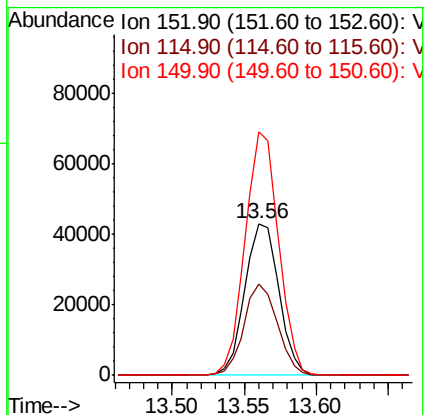
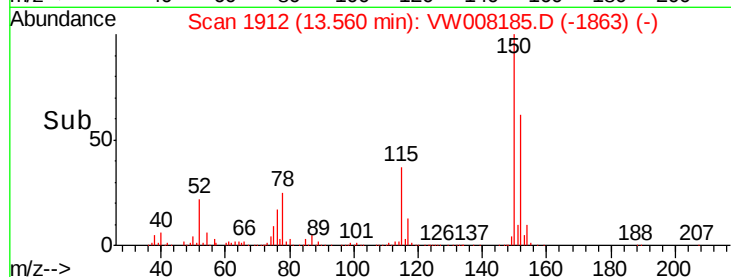
150 157.9 0.0 350.2



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: 57.431 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008185.D

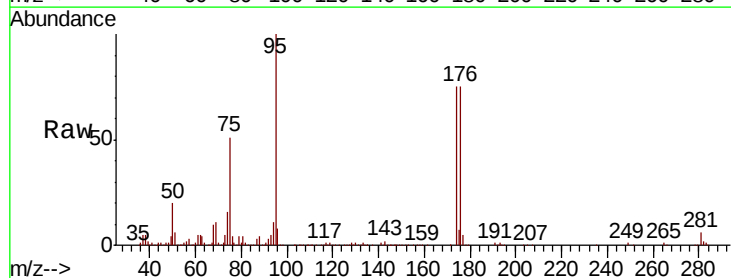
Acq: 11 Jan 2019 09:06

Tgt Ion: 75 Resp: 36728

Ion Ratio Lower Upper

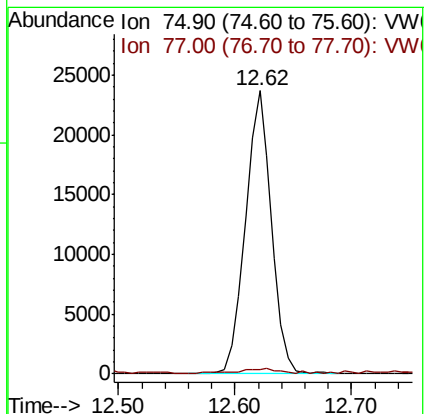
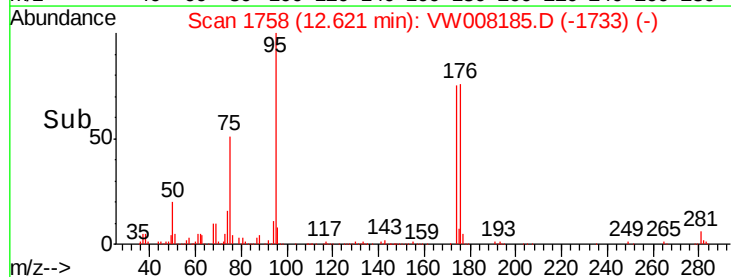
75 100

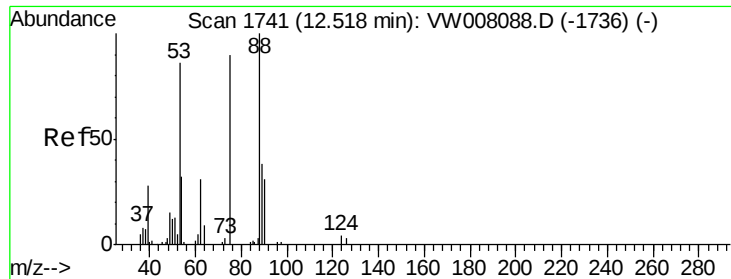
77 2.3 179.4 538.2#



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: 133.738 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW008185.D
 Acq: 11 Jan 2019 09:06

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-02(20-25)

Tgt Ion: 75 Resp: 36728
 Ion Ratio Lower Upper
 75 100
 53 0.4 78.8 118.2#
 89 0.2 35.4 53.2#

