

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008076.D
 Acq On : 07 Jan 2019 18:08
 Operator : SY/AP
 Sample : K1071-05
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jan 08 03:46:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	48456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	79336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	53919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	77839	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	29634	55.29	ug/l	0.00
Spiked Amount			Recovery	=	110.58%	
35) Dibromofluoromethane	7.88	113	24384	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	10.32	98	193497	103.14	ug/l	0.00
Spiked Amount			Recovery	=	206.28%	
62) 4-Bromofluorobenzene	12.62	95	217899	302.84	ug/l	0.00
Spiked Amount			Recovery	=	605.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	209	6.002	ug/l #	71
13) Acrolein	4.13	56	48	2.035	ug/l #	14
14) Allyl chloride	4.90	41	1321	2.004	ug/l #	14
15) Acrylonitrile	5.43	53	477	5.904	ug/l #	32
16) Acetone	4.13	43	2595	31.279	ug/l	94
17) Carbon Disulfide	4.37	76	3471	2.336	ug/l #	92
18) Methyl Acetate	4.43	43	251	1.167	ug/l #	48
19) Methyl tert-butyl Ether	5.43	73	1979	2.585	ug/l #	1
20) Methylene Chloride	4.92	84	2567	2.772	ug/l	96
25) 2-Butanone	7.18	43	2295	23.479	ug/l #	71
29) Tetrahydrofuran	7.70	42	503	8.284	ug/l #	1
31) Cyclohexane	7.96	56	48729	59.481	ug/l	98
36) 1,1-Dichloropropene	7.95	75	4057	5.184	ug/l #	49
37) Ethyl Acetate	7.18	43	2295	9.763	ug/l #	67
38) Carbon Tetrachloride	7.95	117	5252	5.600	ug/l #	15
39) Methylcyclohexane	9.34	83	1043568	1069.748	ug/l	96
40) Benzene	8.33	78	5794	2.806	ug/l	100
41) Methacrylonitrile	7.52	41	161	1.165	ug/l #	22
42) 1,2-Dichloroethane	8.43	62	1017	1.478	ug/l #	1
43) Isopropyl Acetate	8.42	43	48807	103.909	ug/l #	49
45) 1,2-Dichloropropane	9.33	63	13986	31.296	ug/l #	1
47) Bromodichloromethane	9.61	83	15028	20.535	ug/l #	78
48) Methyl methacrylate	9.52	41	40545	171.196	ug/l #	64
51) 4-Methyl-2-Pentanone	10.26	43	12944	59.533	ug/l #	71
52) Toluene	10.39	92	2583	1.895	ug/l	94
55) 1,1,2-Trichloroethane	10.77	97	405050	1144.994	ug/l #	23
56) Ethyl methacrylate	10.68	69	168792	422.058	ug/l #	1
59) 2-Hexanone	10.94	43	863286	5751.411	ug/l #	29
60) Dibromochloromethane	11.05	129	2599	5.367	ug/l #	35
61) 1,2-Dibromoethane	11.24	107	2129	6.014	ug/l #	1
65) Chlorobenzene	11.66	112	796268	690.989	ug/l	90
67) Ethyl Benzene	11.73	91	13029	6.370	ug/l #	86
68) m/p-Xylenes	11.84	106	3506	4.434	ug/l #	1
69) o-Xylene	12.17	106	4077	5.541	ug/l #	1

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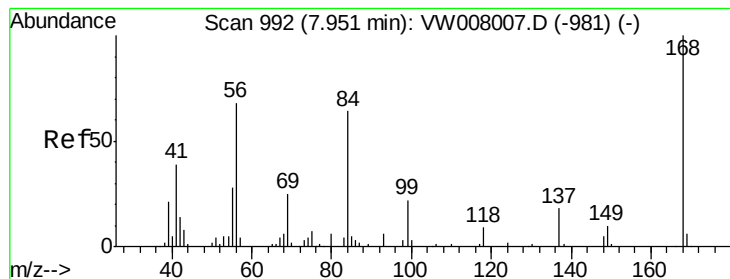
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-15(15-20)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

71) Bromoform	12.36	173	293	1.515	ug/l #	29
73) Isopropylbenzene	12.47	105	1045397	168.896	ug/l	98
74) N-amyl acetate	12.27	43	1533487	1591.616	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.71	83	250474	318.043	ug/l #	70
76) 1,2,3-Trichloropropane	12.62	75	11739	18.957	ug/l	45
77) Bromobenzene	12.72	156	4297	3.230	ug/l #	1
78) n-propylbenzene	12.81	91	2481032	345.726	ug/l	95
79) 2-Chlorotoluene	12.81	91	2481032	598.187	ug/l #	52
81) trans-1,4-Dichloro-2-buten	12.52	75	510	1.948	ug/l #	1
82) 4-Chlorotoluene	12.81	91	2475364	561.276	ug/l #	53
83) tert-Butylbenzene	13.22	119	72390	15.530	ug/l #	35
84) 1,2,4-Trimethylbenzene	13.40	105	2132352	395.136	ug/l #	33
85) sec-Butylbenzene	13.40	105	2132352	332.542	ug/l	85
86) p-Isopropyltoluene	13.66	119	298293	51.573	ug/l	87
87) 1,3-Dichlorobenzene	13.51	146	5570	2.075	ug/l #	1
88) 1,4-Dichlorobenzene	13.59	146	56202	21.148	ug/l #	1
89) n-Butylbenzene	13.83	91	1018520	192.522	ug/l	86
90) Hexachloroethane	14.11	117	282018	281.005	ug/l #	12
91) 1,2-Dichlorobenzene	13.88	146	3475	1.473	ug/l #	67
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7053	44.125	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.15	180	2125	1.283	ug/l #	1
95) Naphthalene	15.33	128	9154	3.244	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.58	180	1452	1.065	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008076.D

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MSVOA_W

ClientSampleId :

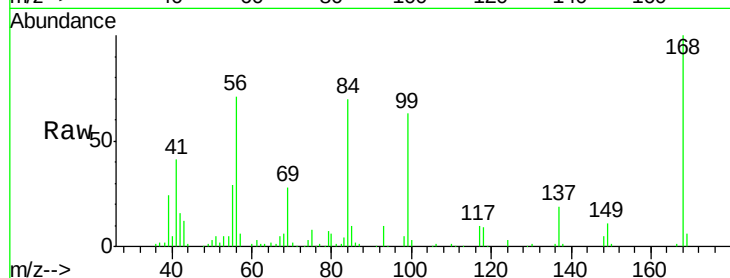
CPSB-15(15-20)

Tot Ion:168 Resp: 48456

Ion Ratio Lower Upper

168 100

99 62.5 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

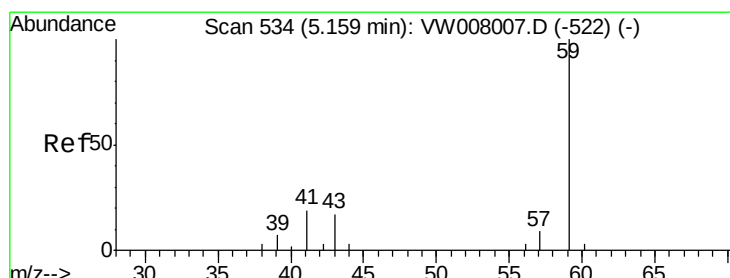
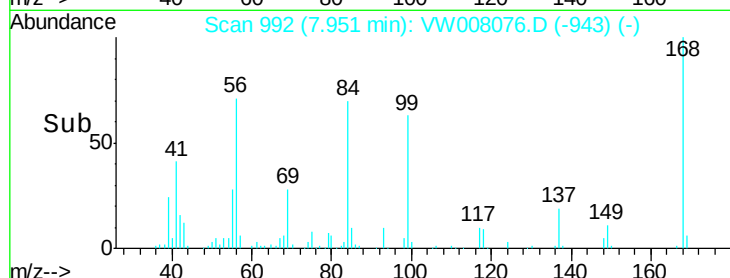
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 6.002 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW008076.D

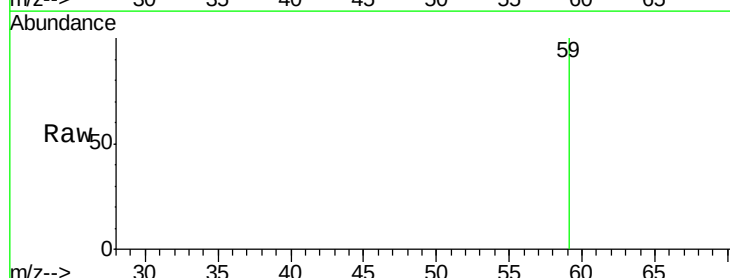
Acq: 07 Jan 2019 18:08

Tgt Ion: 59 Resp: 209

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

200

150

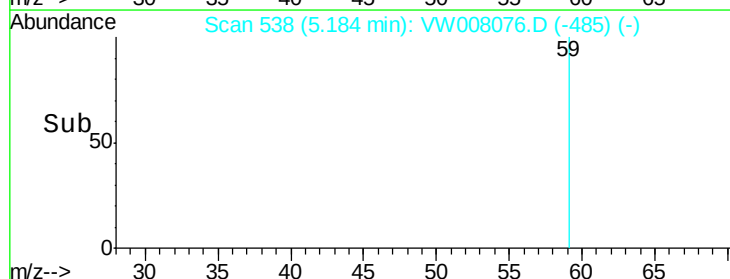
100

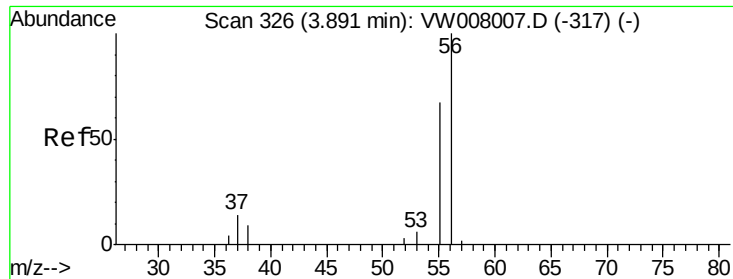
50

0

5.16 5.18 5.20

Time-->





#13

Acrolein

Concen: 2.035 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.24 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

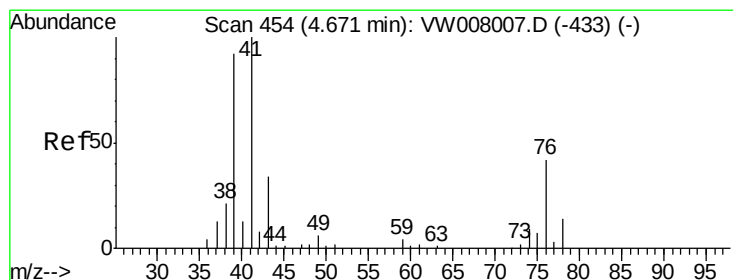
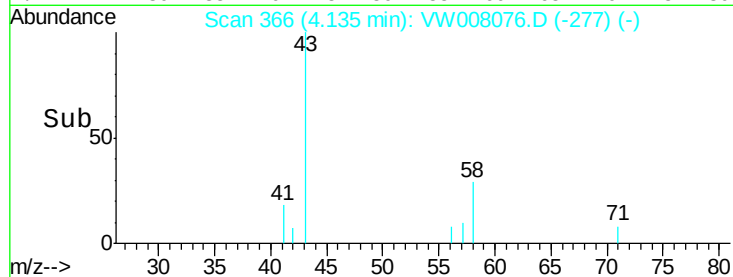
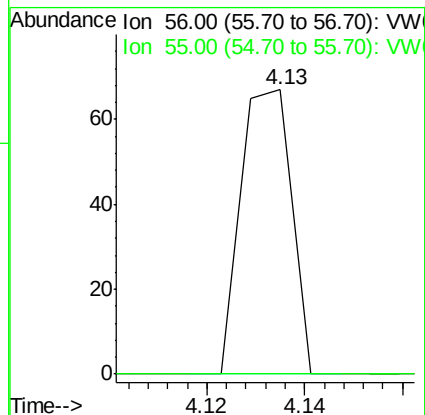
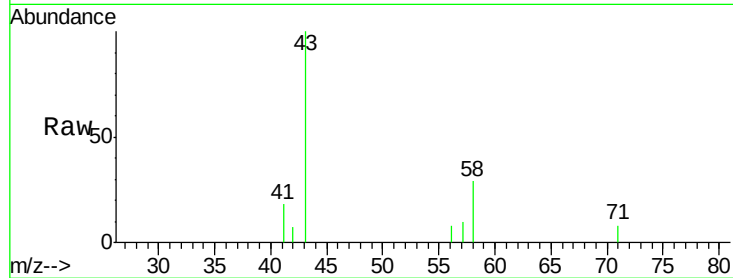
CPSB-15(15-20)

Tot Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 0.0 57.3 85.9#



#14

Allyl chloride

Concen: 2.004 ug/l

RT: 4.90 min Scan# 492

Delta R.T. 0.23 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

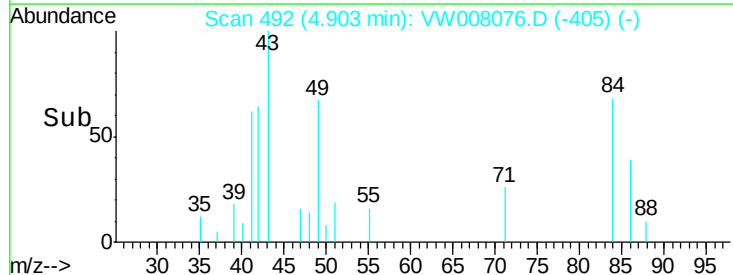
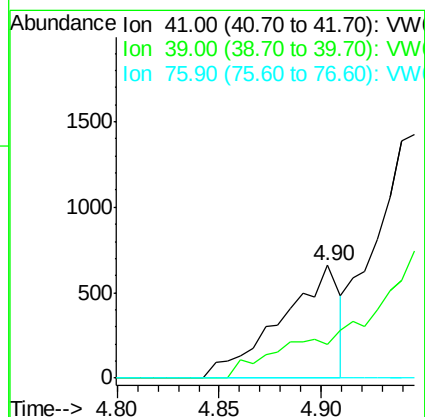
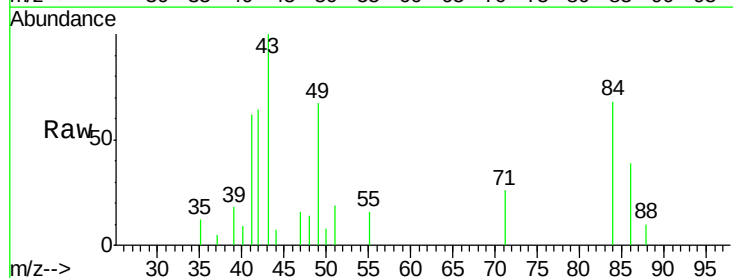
Tgt Ion: 41 Resp: 1321

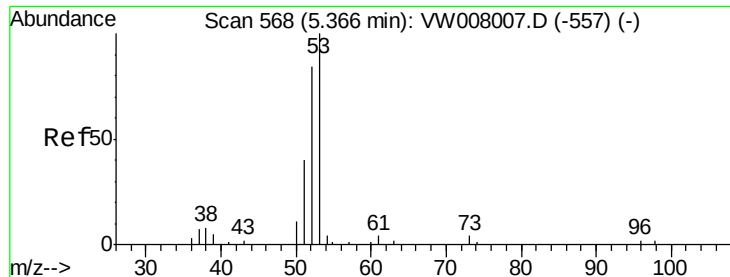
Ion Ratio Lower Upper

41 100

39 0.0 71.1 106.7#

76 0.0 33.4 50.2#





#15

Acrylonitrile

Concen: 5.904 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.07 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

CPSB-15(15-20)

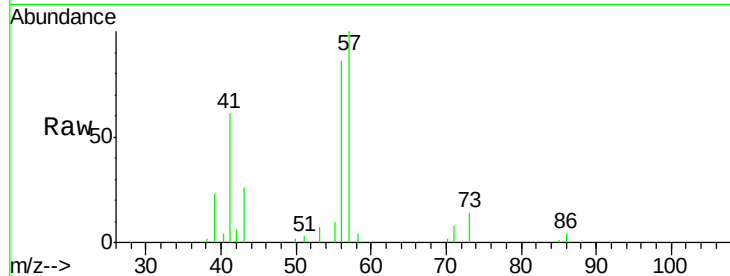
Tot Ion: 53 Resp: 477

Ion Ratio Lower Upper

53 100

52 0.0 67.8 101.8#

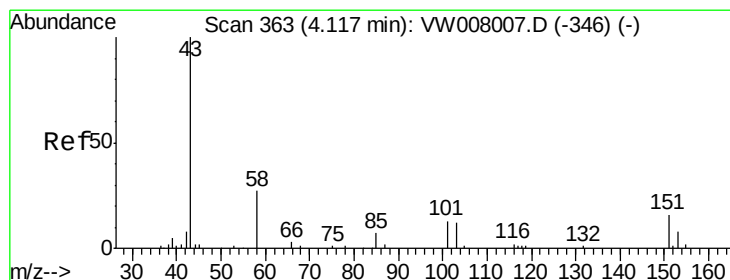
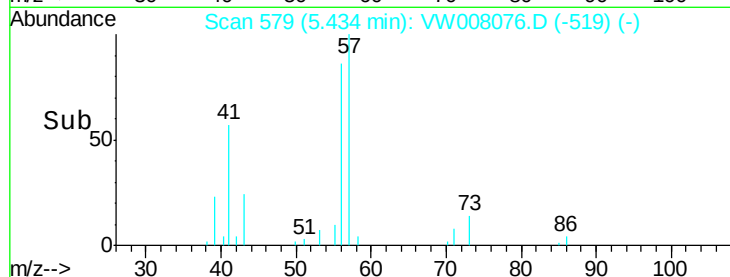
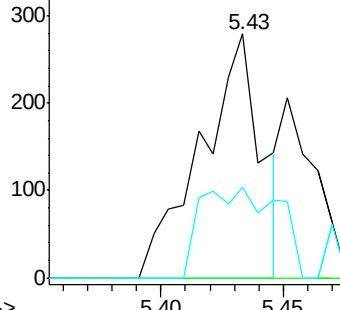
51 48.2 31.5 47.3#



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: 31.279 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008076.D

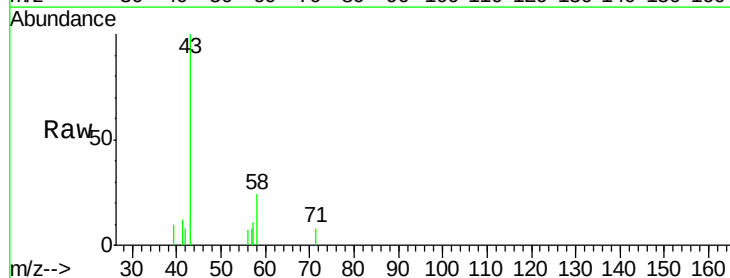
Acq: 07 Jan 2019 18:08

Tgt Ion: 43 Resp: 2595

Ion Ratio Lower Upper

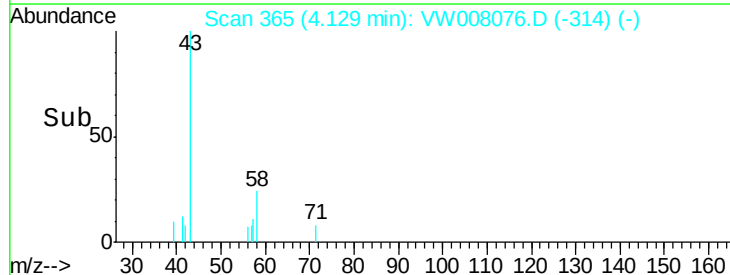
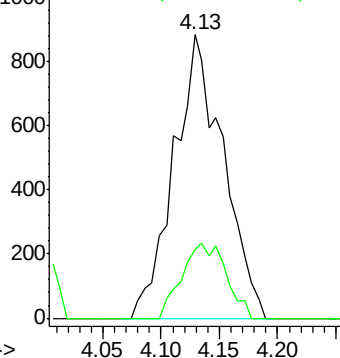
43 100

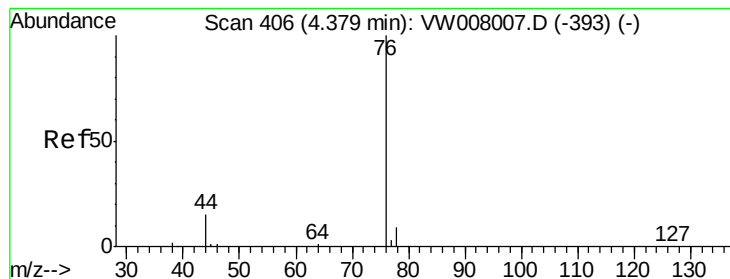
58 24.1 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 2.336 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

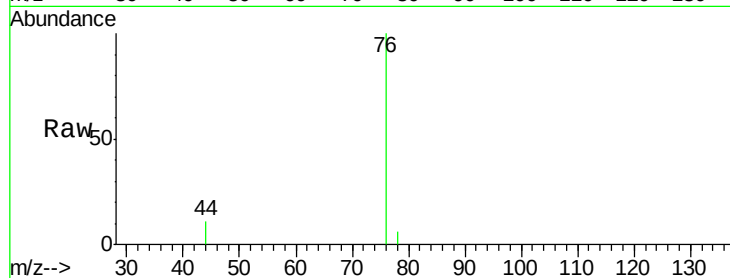
CPSB-15(15-20)

Tot Ion: 76 Resp: 3471

Ion Ratio Lower Upper

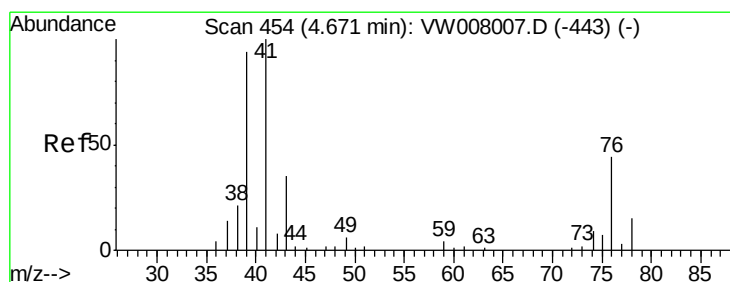
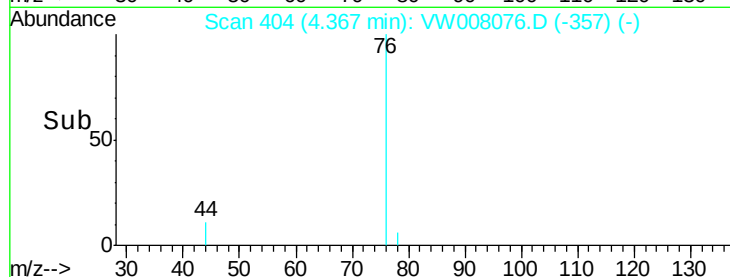
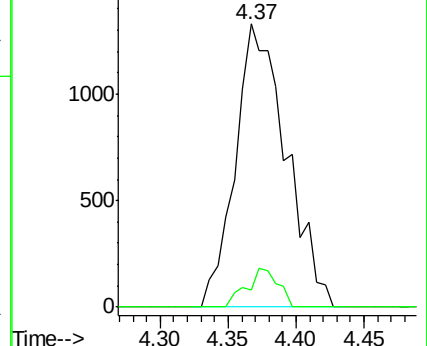
76 100

78 5.9 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 1.167 ug/l

RT: 4.43 min Scan# 415

Delta R.T. -0.24 min

Lab File: VW008076.D

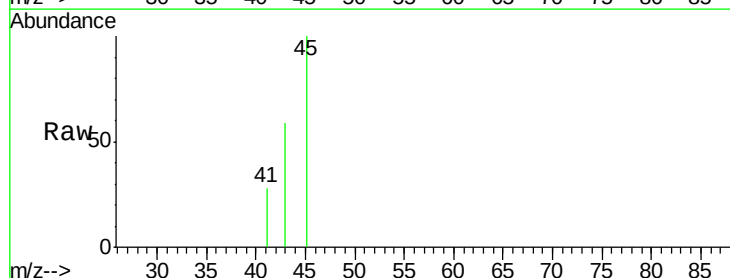
Acq: 07 Jan 2019 18:08

Tgt Ion: 43 Resp: 251

Ion Ratio Lower Upper

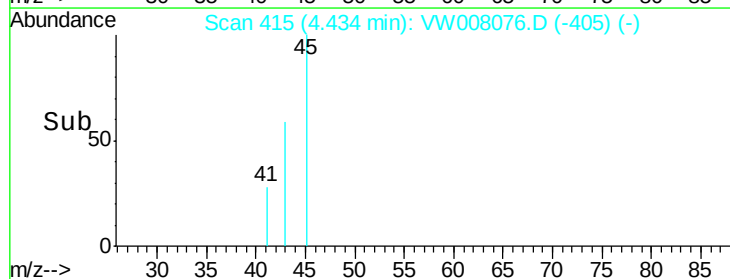
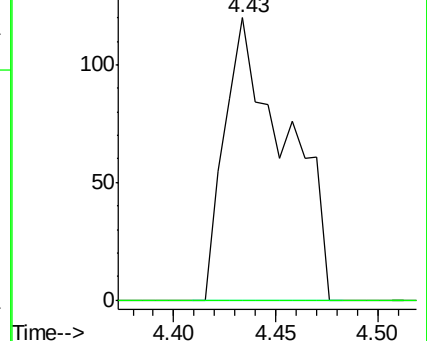
43 100

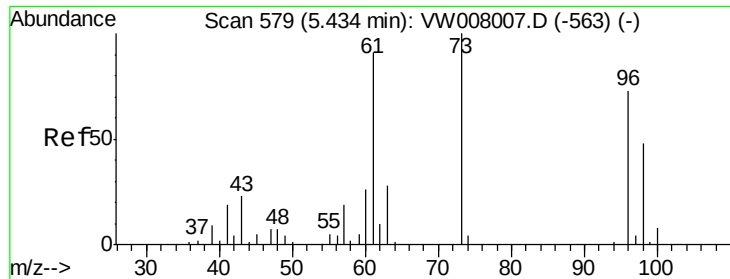
74 0.0 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

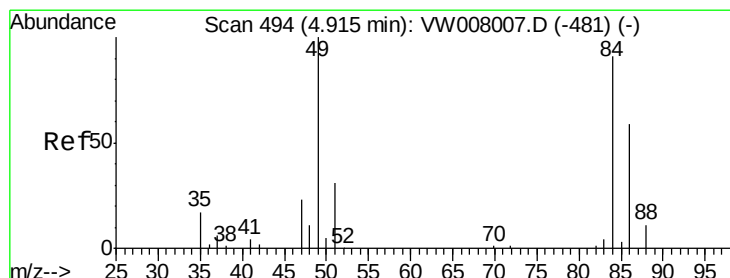
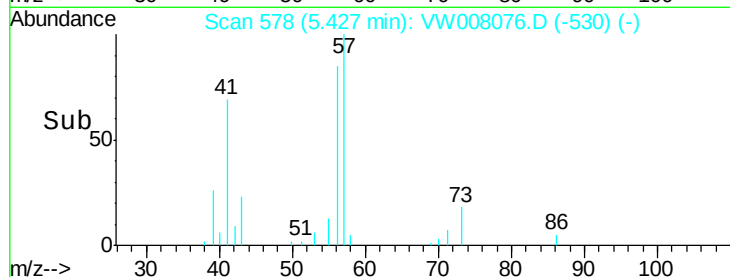
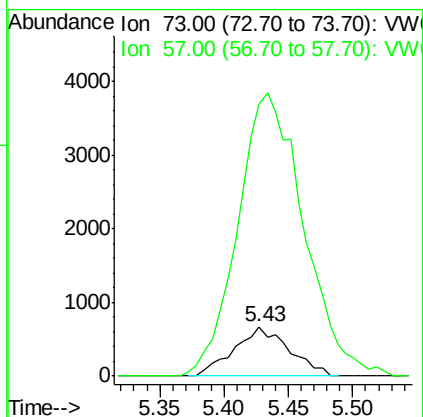
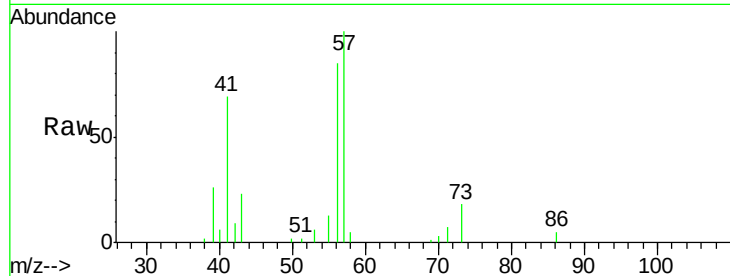




#19
Methyl tert-butyl Ether
Concen: 2.585 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

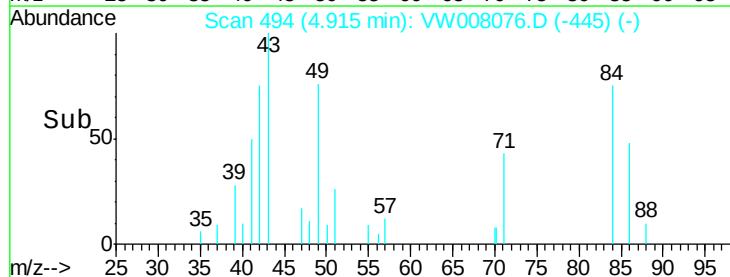
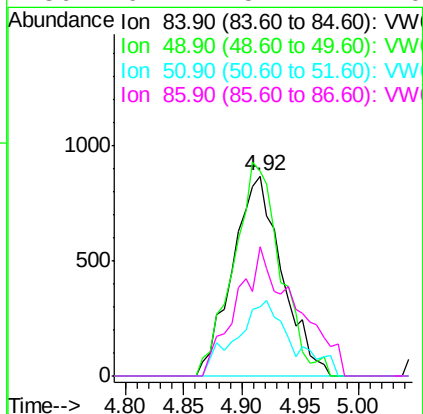
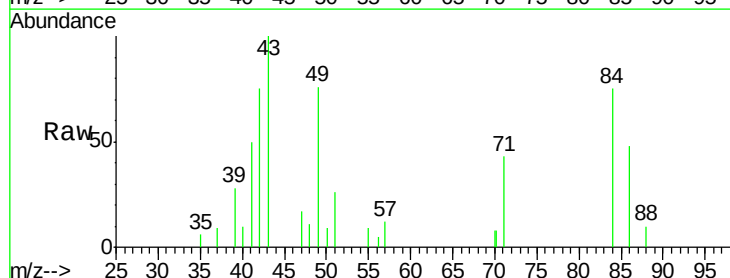
Instrument :
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CPSB-15(15-20)

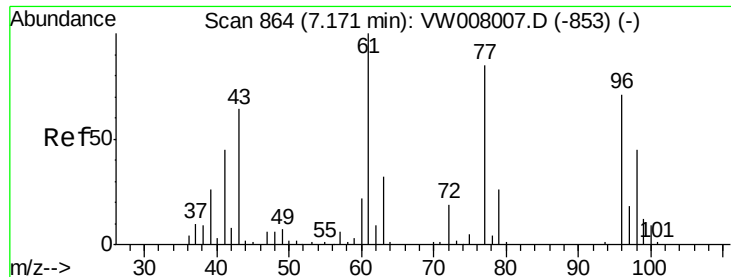
Tot Ion: 73 Resp: 1979
Ion Ratio Lower Upper
73 100
57 545.3 15.4 23.0#



#20
Methylene Chloride
Concen: 2.772 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

Tgt Ion: 84 Resp: 2567
Ion Ratio Lower Upper
84 100
49 102.3 87.7 131.5
51 34.7 27.3 40.9
86 64.7 51.4 77.0





#25

2-Butanone

Concen: 23.479 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

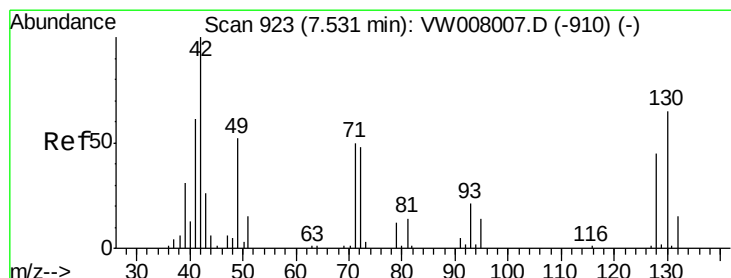
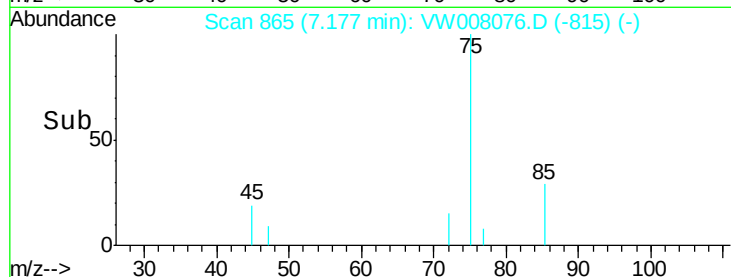
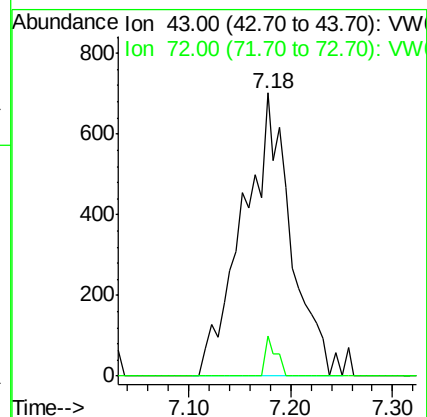
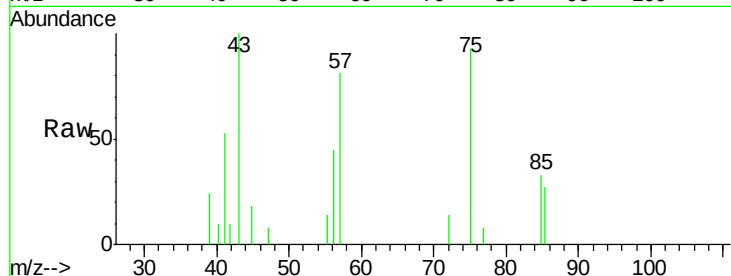
CPSB-15(15-20)

Tot Ion: 43 Resp: 2295

Ion Ratio Lower Upper

43 100

72 14.2 23.8 35.8#



#29

Tetrahydrofuran

Concen: 8.284 ug/l

RT: 7.70 min Scan# 950

Delta R.T. 0.16 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

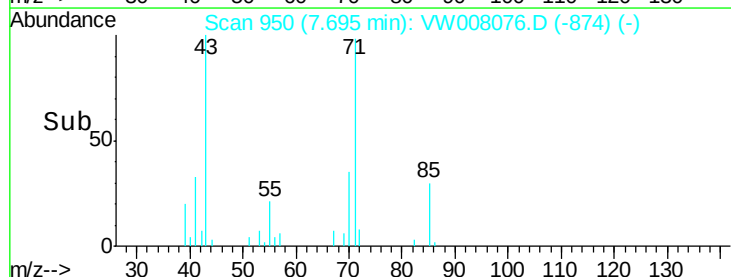
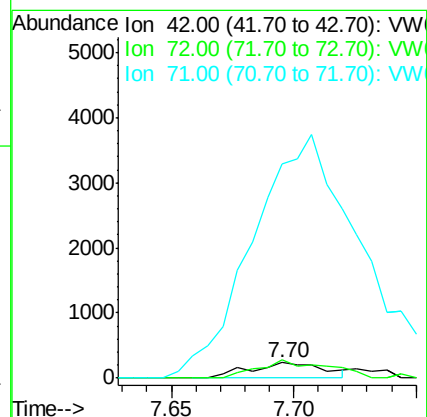
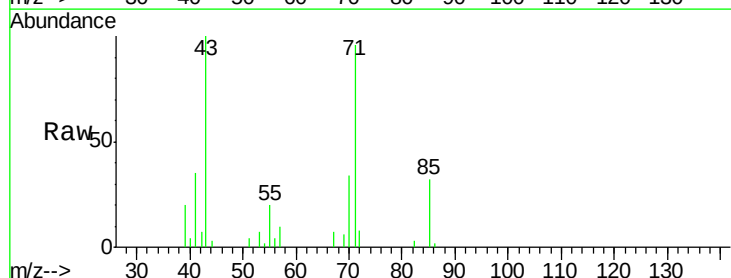
Tgt Ion: 42 Resp: 503

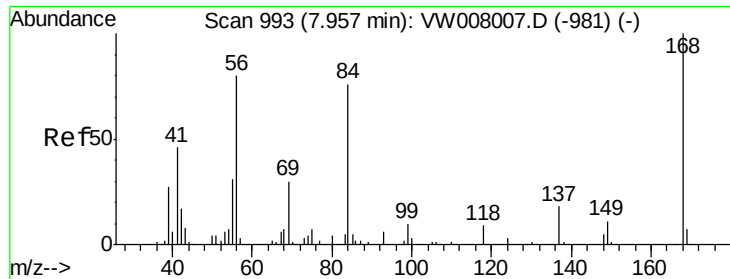
Ion Ratio Lower Upper

42 100

72 110.1 39.0 58.6#

71 2363.2 39.1 58.7#

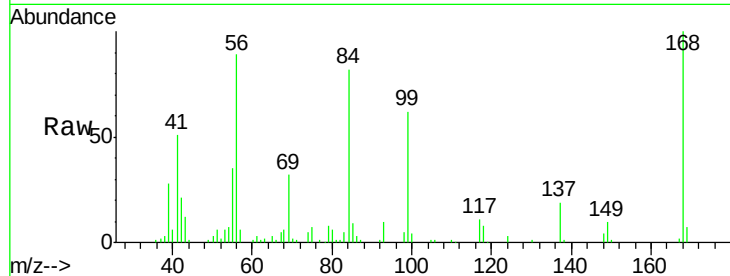




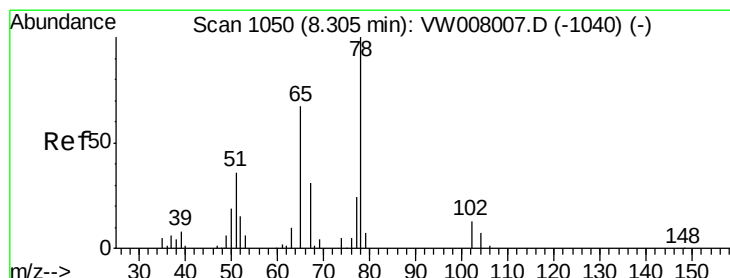
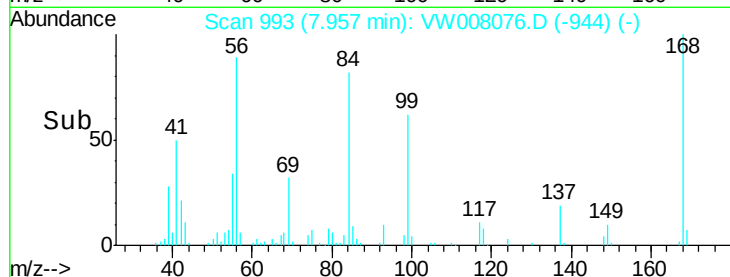
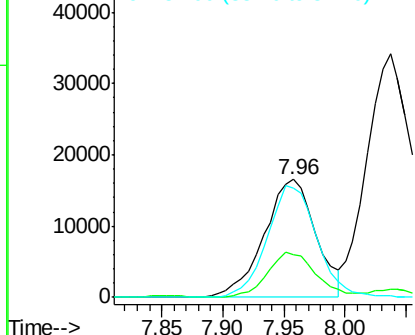
#31
Cyclohexane
Concen: 59.481 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

Instrument :
MSVOA_W
ClientSampled :
CPSB-15(15-20)

Tot Ion: 56 Resp: 48729
Ion Ratio Lower Upper
56 100
69 35.6 29.8 44.6
84 93.0 75.2 112.8

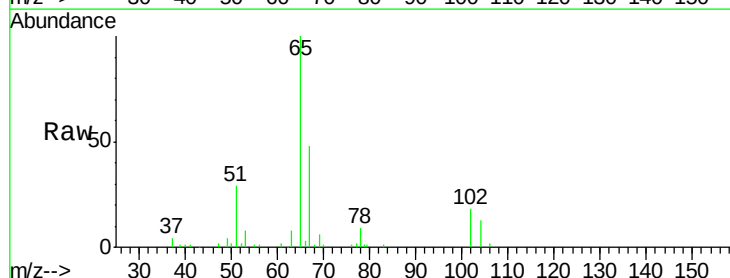


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

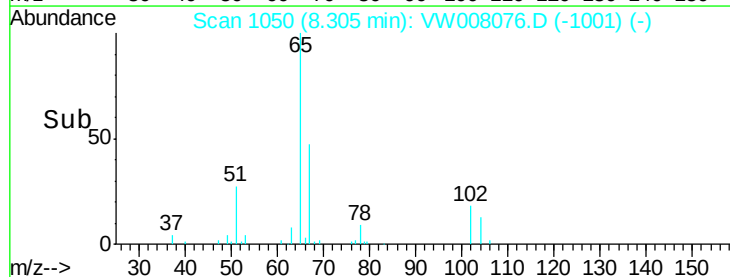
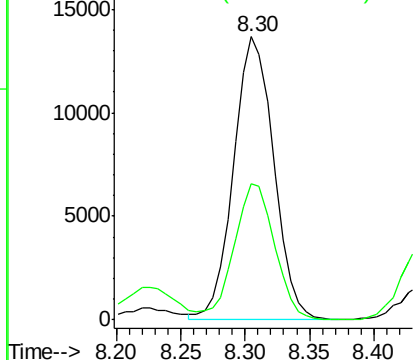


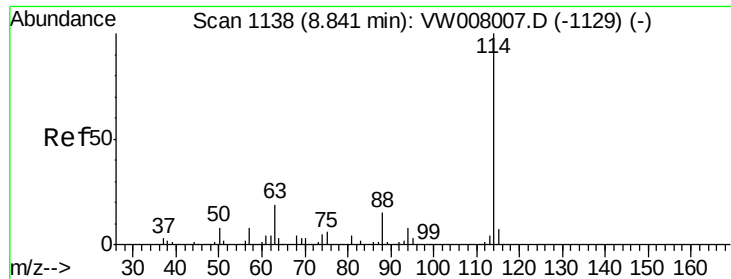
#33
1,2-Dichloroethane-d4
Concen: 55.292 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

Tgt Ion: 65 Resp: 29634
Ion Ratio Lower Upper
65 100
67 48.4 0.0 94.8



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

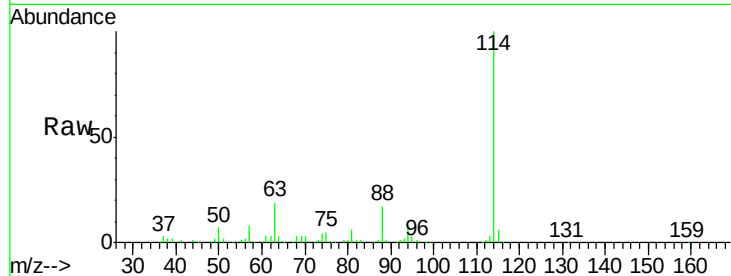




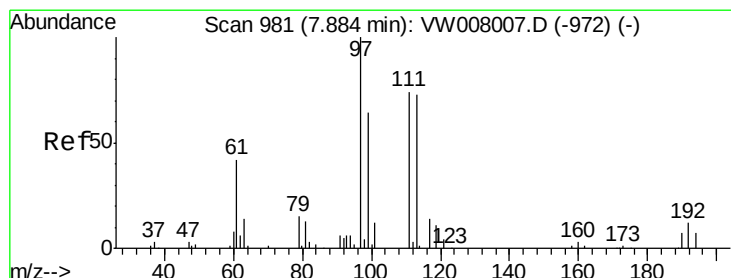
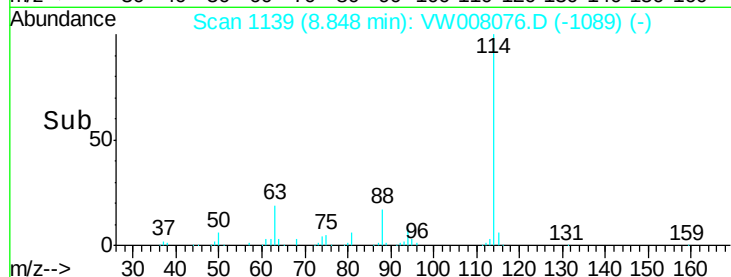
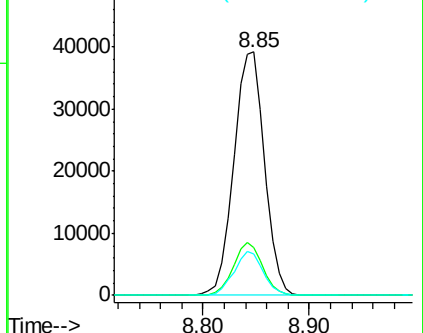
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

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

Tot Ion:114 Resp: 79336
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.8
 88 17.0 0.0 31.0

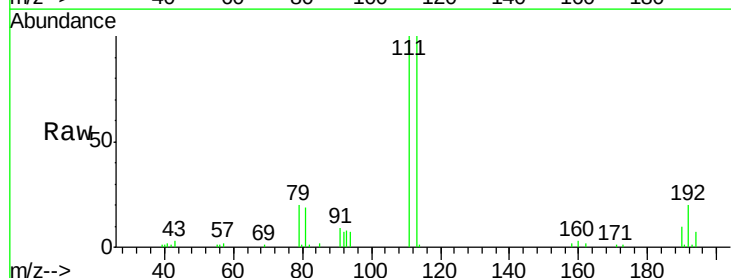


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

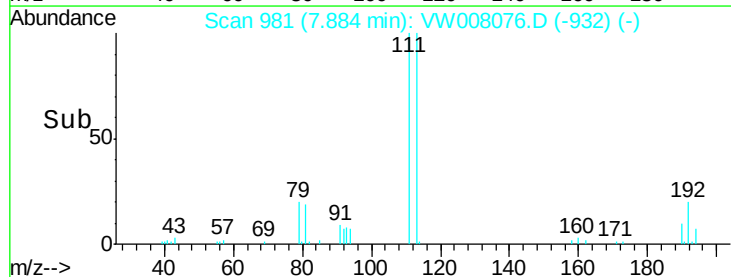
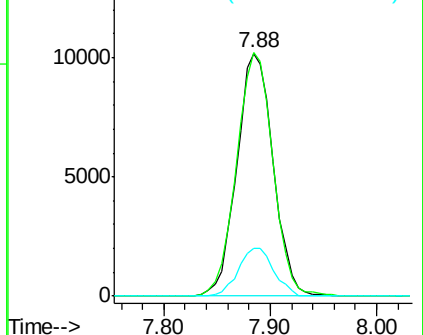


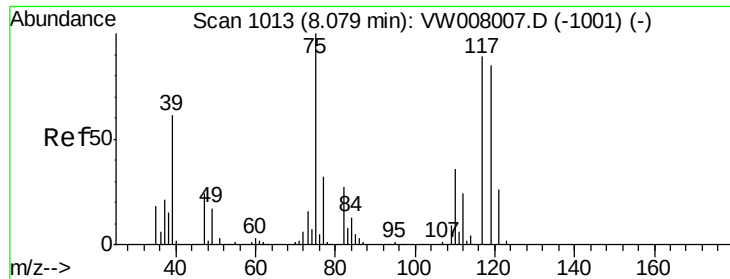
#35
 Dibromofluoromethane
 Concen: 48.755 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

Tgt Ion:113 Resp: 24384
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.4 122.0
 192 19.1 14.8 22.2



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

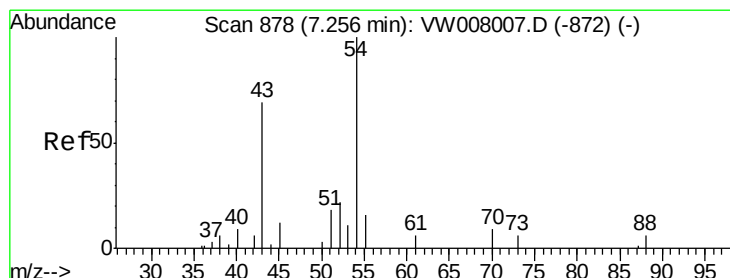
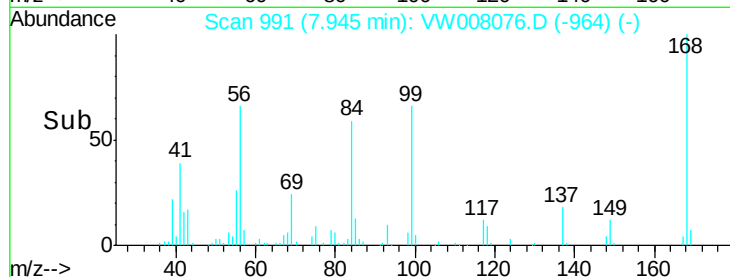
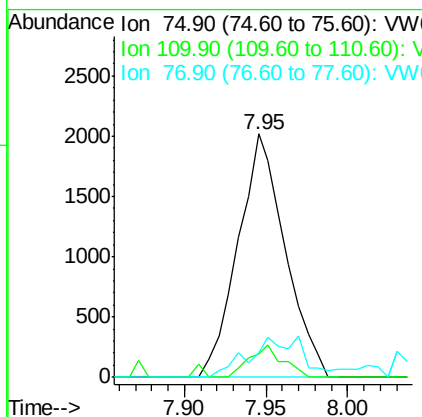
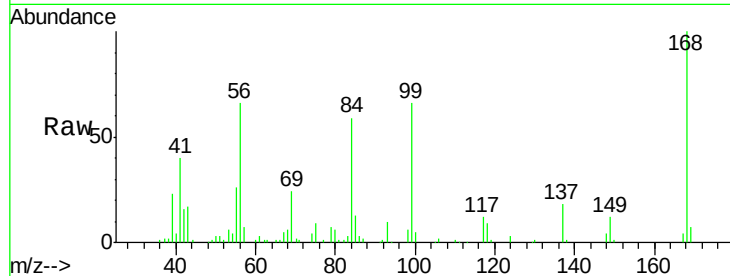




#36
 1,1-Dichloropropene
 Concen: 5.184 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

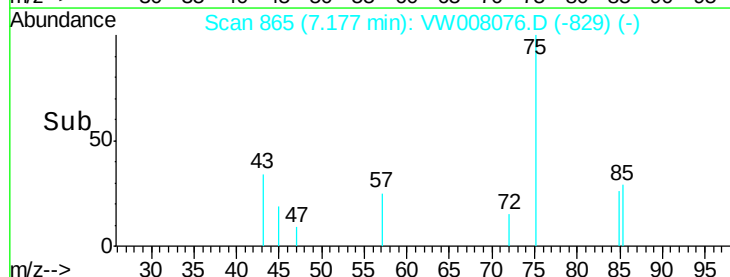
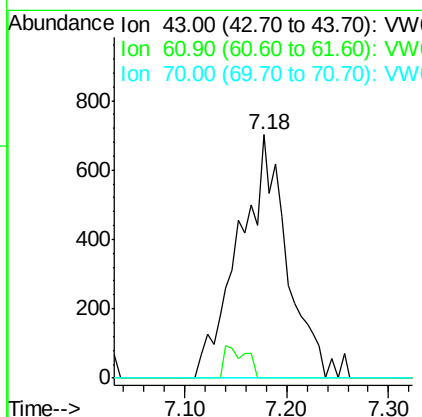
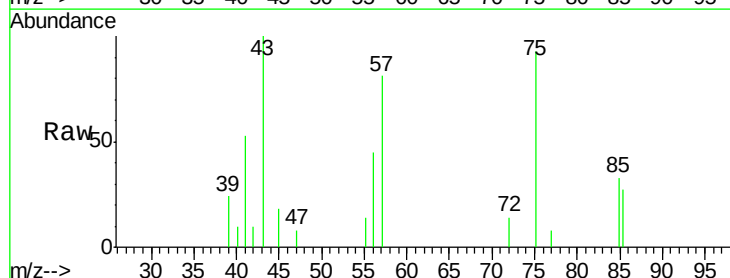
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-15(15-20)

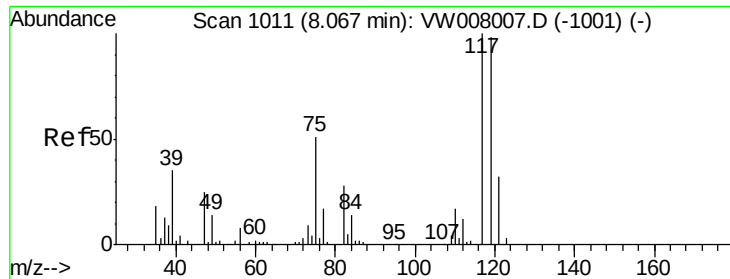
Tot Ion: 75 Resp: 4057
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.1 54.3#
 77 0.0 25.3 37.9#



#37
 Ethyl Acetate
 Concen: 9.763 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.08 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

Tgt Ion: 43 Resp: 2295
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.2#
 70 0.0 9.4 14.0#

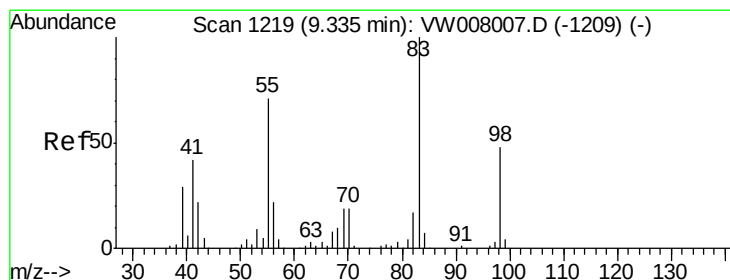
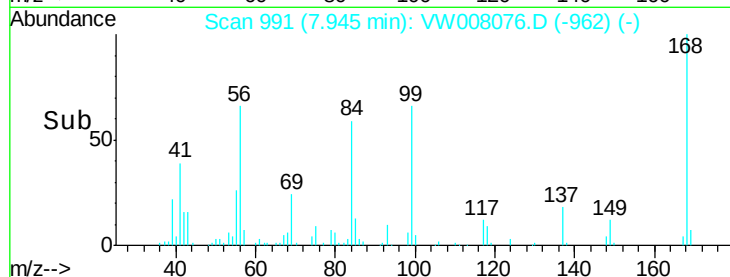
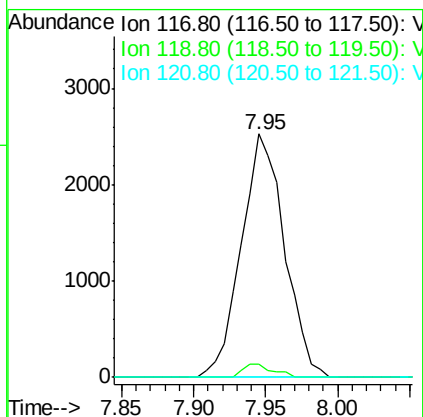
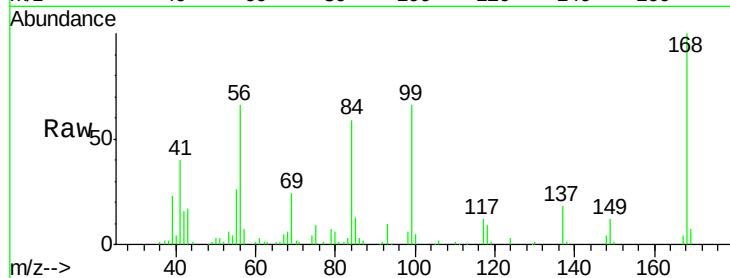




#38
Carbon Tetrachloride
Concen: 5.600 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

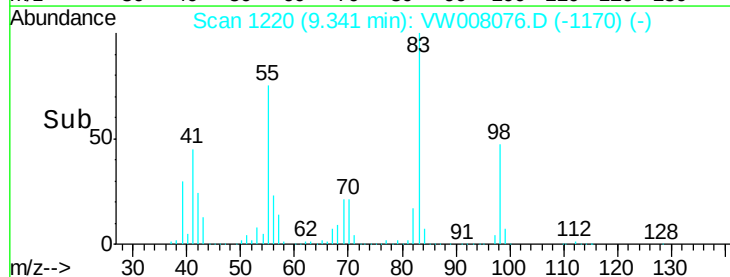
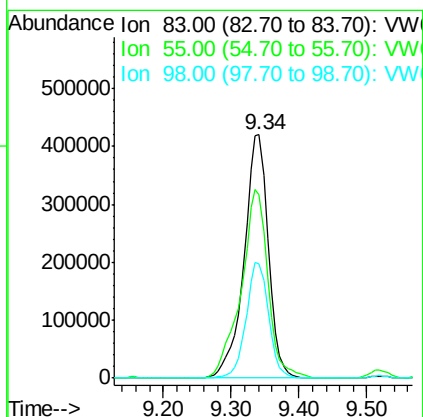
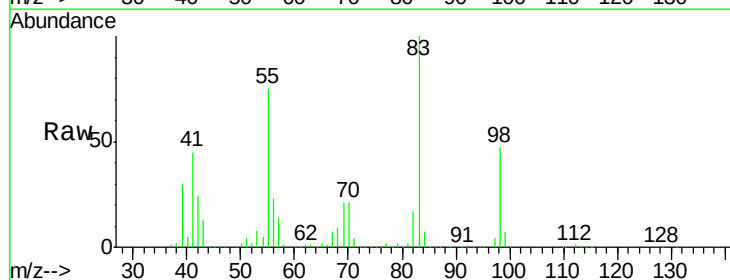
Instrument :
MSVOA_W
ClientSampleId :
CPSB-15(15-20)

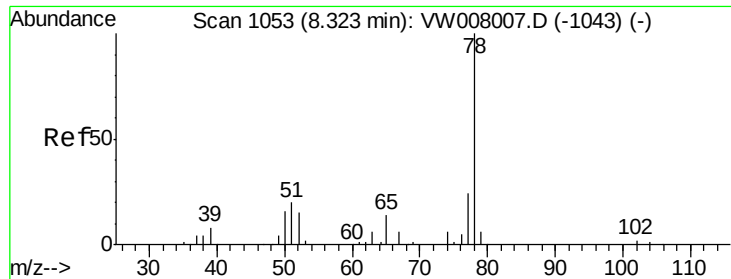
Tot Ion:117 Resp: 5252
Ion Ratio Lower Upper
117 100
119 5.4 78.7 118.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 1069.748 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

Tgt Ion: 83 Resp: 1043568
Ion Ratio Lower Upper
83 100
55 75.2 56.8 85.2
98 47.0 38.6 58.0





#40

Benzene

Concen: 2.806 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

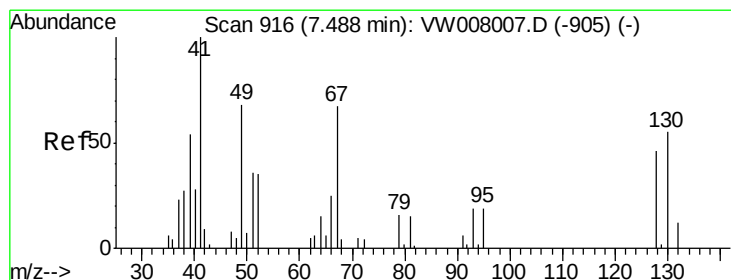
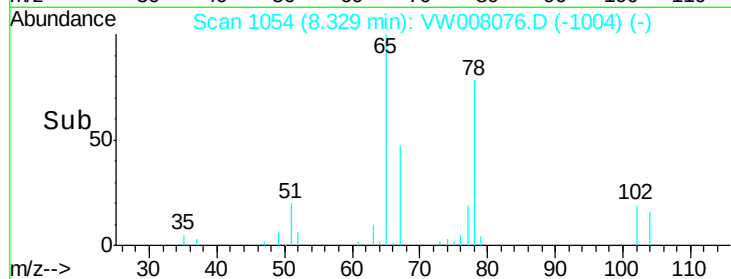
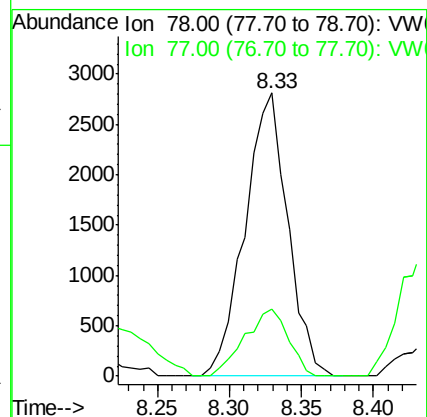
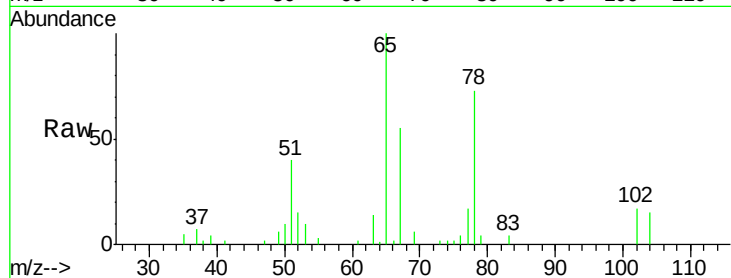
CPSB-15(15-20)

Tot Ion: 78 Resp: 5794

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6



#41

Methacrylonitrile

Concen: 1.165 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Tgt Ion: 41 Resp: 161

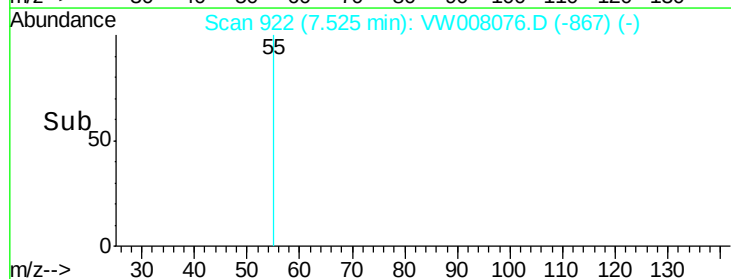
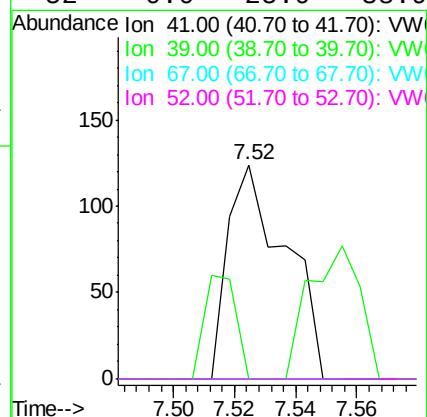
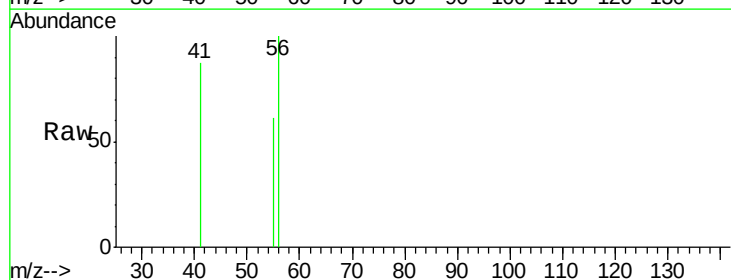
Ion Ratio Lower Upper

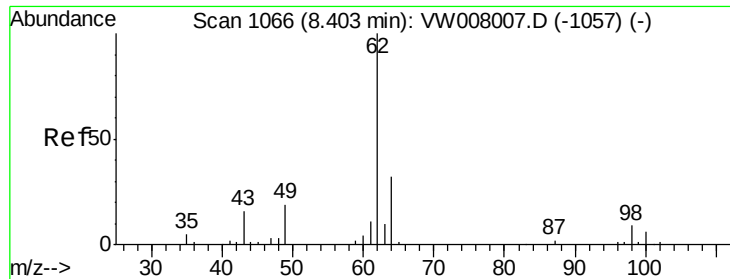
41 100

39 0.0 48.6 72.8#

67 0.0 55.6 83.4#

52 0.0 25.9 38.9#

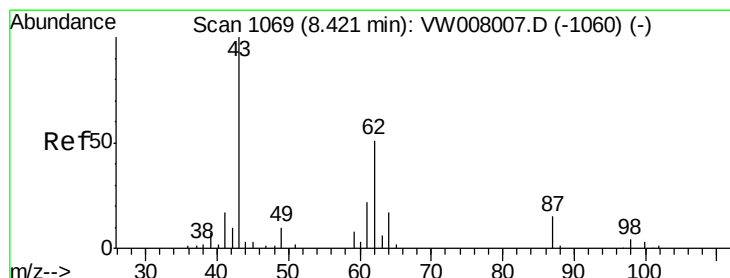
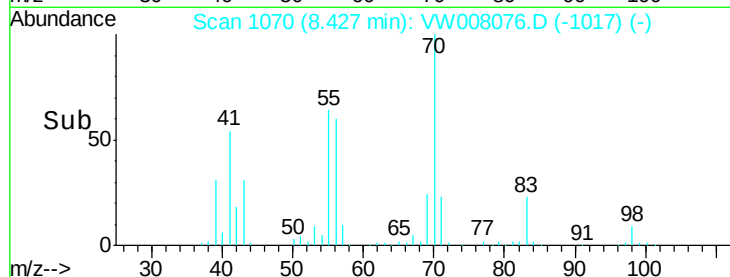
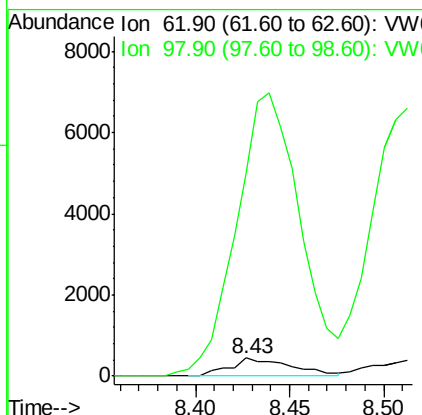
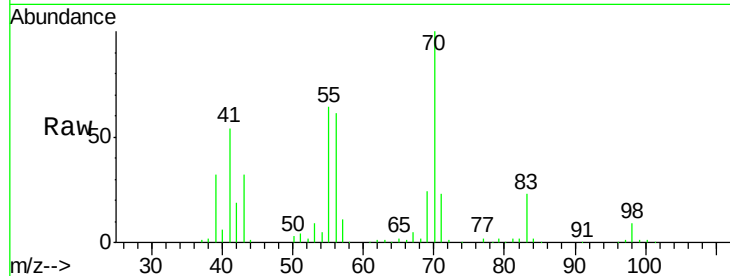




#42
 1,2-Dichloroethane
 Concen: 1.478 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.02 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

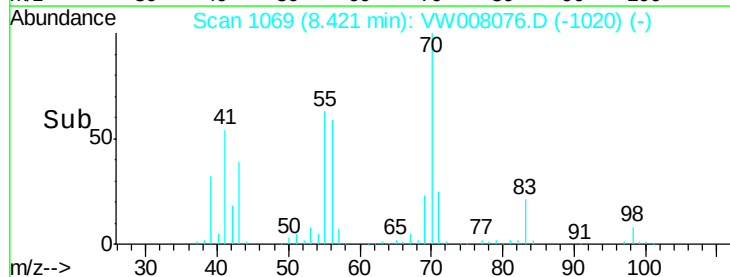
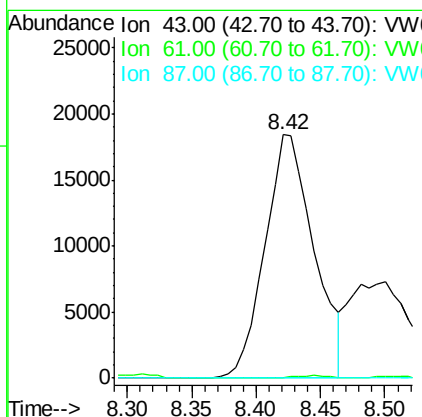
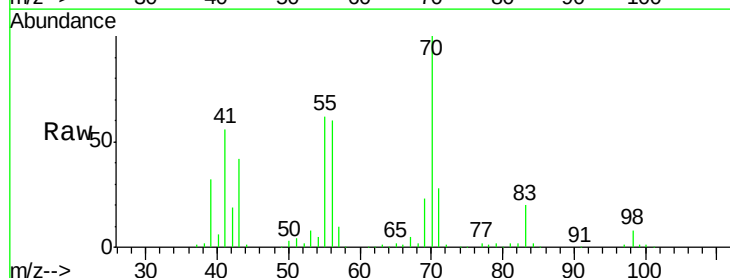
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-15(15-20)

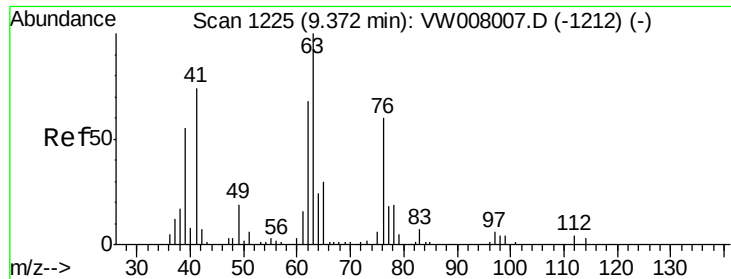
Tot Ion: 62 Resp: 1017
 Ion Ratio Lower Upper
 62 100
 98 1608.4 0.0 15.6#



#43
 Isopropyl Acetate
 Concen: 103.909 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

Tgt Ion: 43 Resp: 48807
 Ion Ratio Lower Upper
 43 100
 61 0.3 26.4 39.6#
 87 0.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 31.296 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.04 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

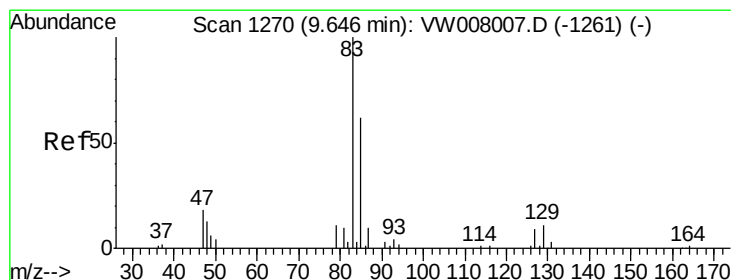
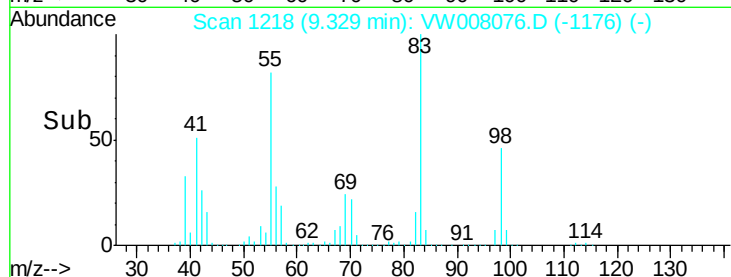
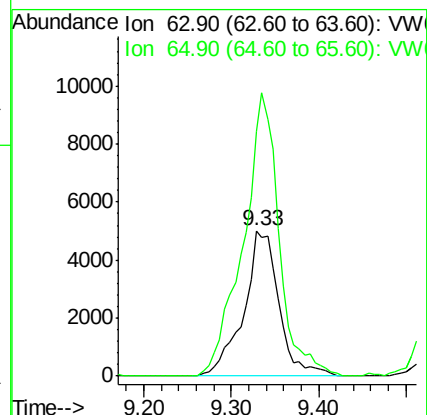
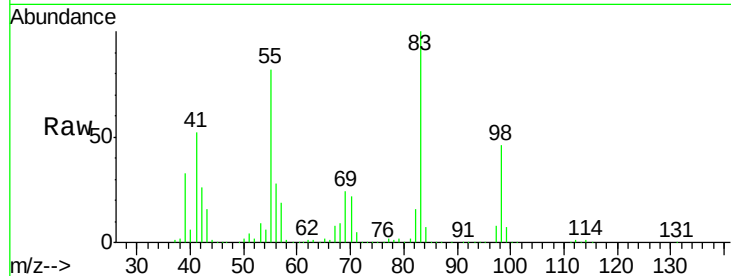
CPSB-15(15-20)

Tot Ion: 63 Resp: 13986

Ion Ratio Lower Upper

63 100

65 168.9 24.2 36.4#



#47

Bromodichloromethane

Concen: 20.535 ug/l

RT: 9.61 min Scan# 1264

Delta R.T. -0.04 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

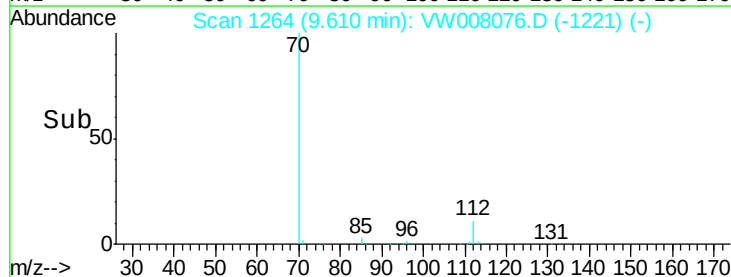
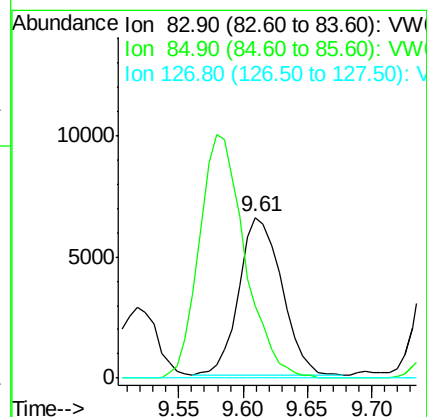
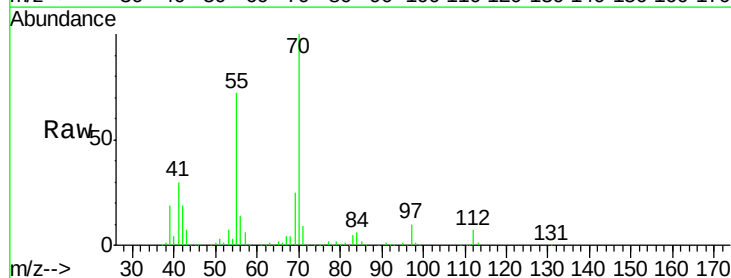
Tgt Ion: 83 Resp: 15028

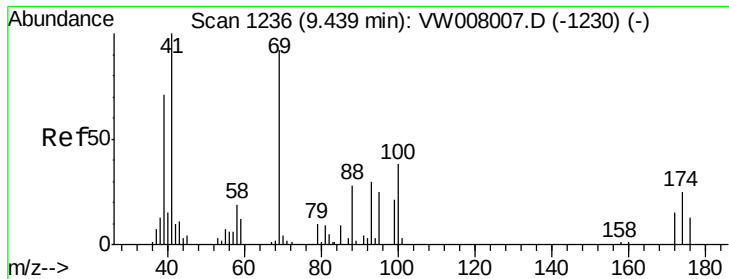
Ion Ratio Lower Upper

83 100

85 45.6 49.5 74.3#

127 0.0 7.5 11.3#





#48

Methyl methacrylate

Concen: 171.196 ug/l

RT: 9.52 min Scan# 1249

Delta R.T. 0.08 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

CPSB-15(15-20)

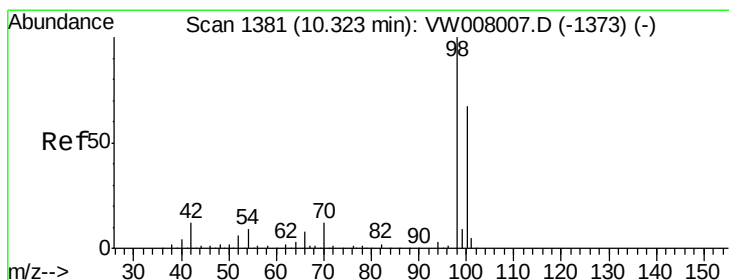
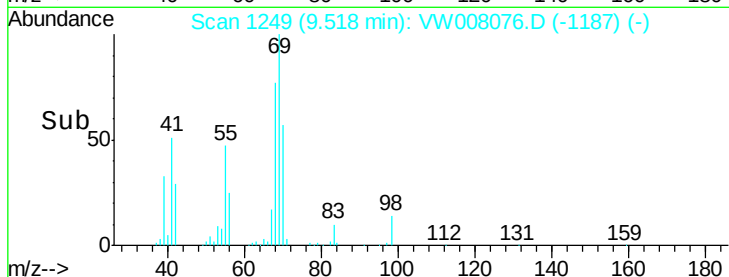
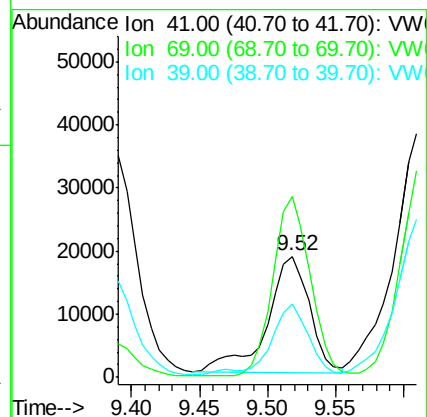
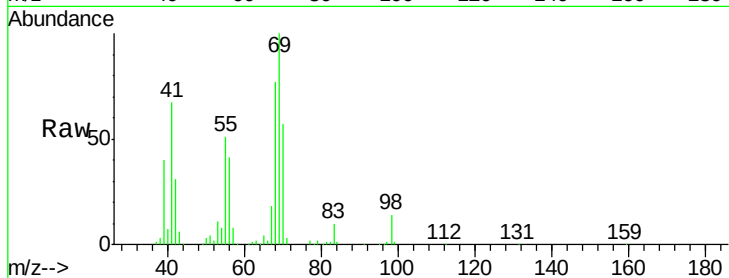
Tot Ion: 41 Resp: 40545

Ion Ratio Lower Upper

41 100

69 136.5 72.3 108.5#

39 57.1 58.7 88.1#



#50

Toluene-d8

Concen: 103.136 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008076.D

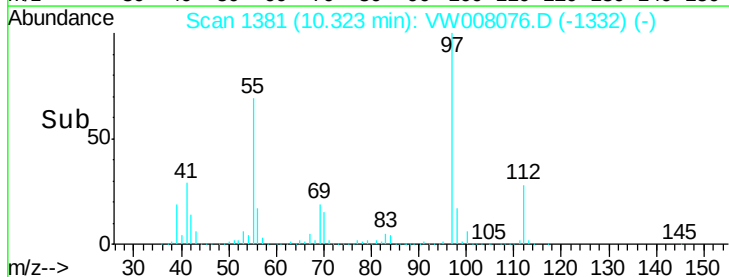
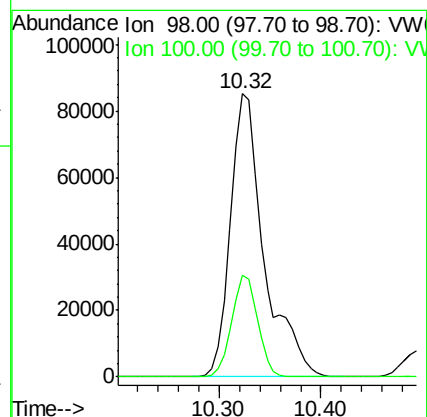
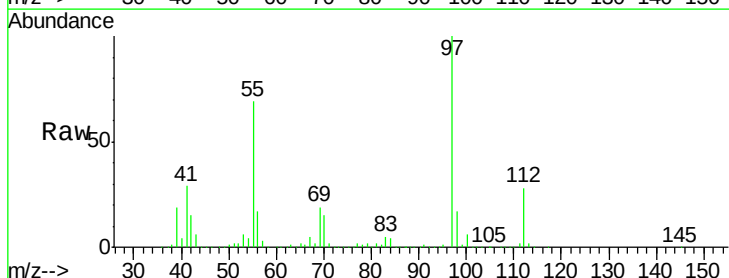
Acq: 07 Jan 2019 18:08

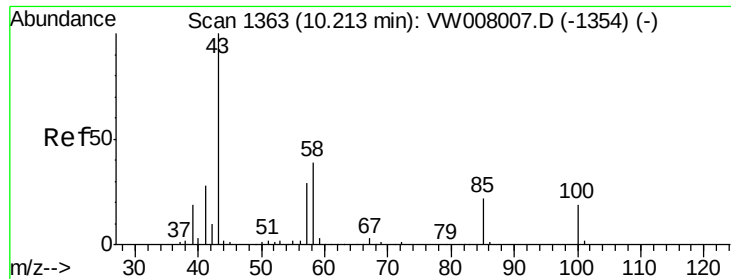
Tgt Ion: 98 Resp: 193497

Ion Ratio Lower Upper

98 100

100 27.6 52.9 79.3#

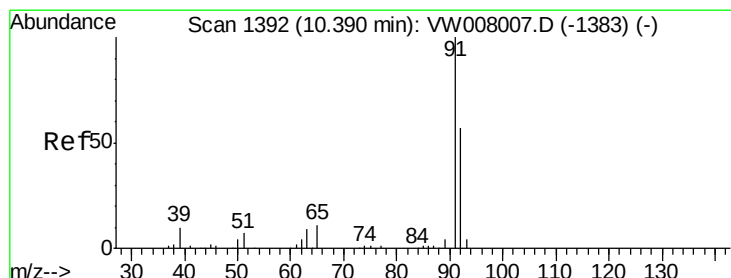
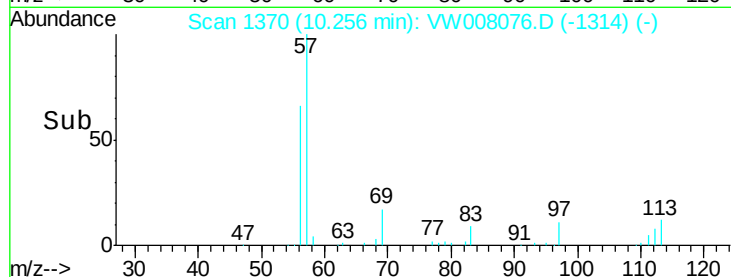
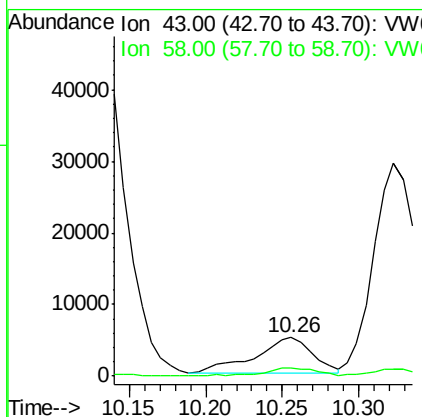
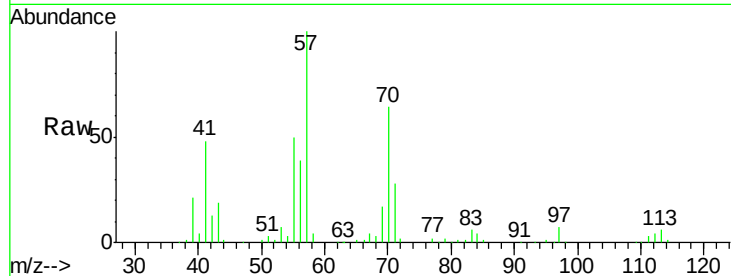




#51
4-Methyl-2-Pentanone
Concen: 59.533 ug/l
RT: 10.26 min Scan# 1370
Delta R.T. 0.04 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

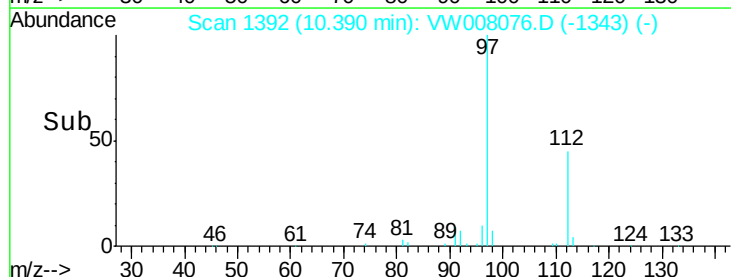
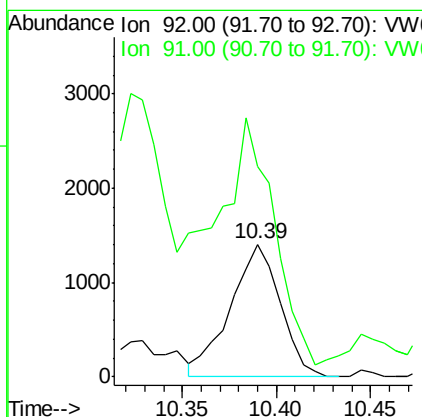
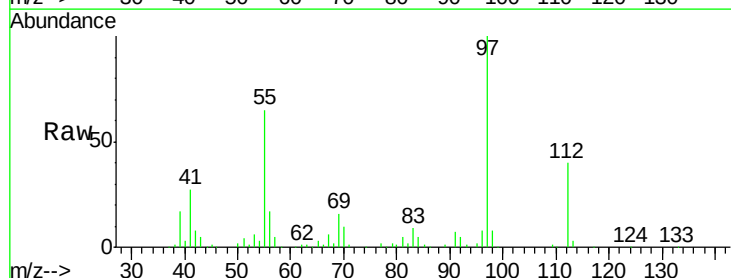
Instrument :
MSVOA_W
ClientSampled :
CPSB-15(15-20)

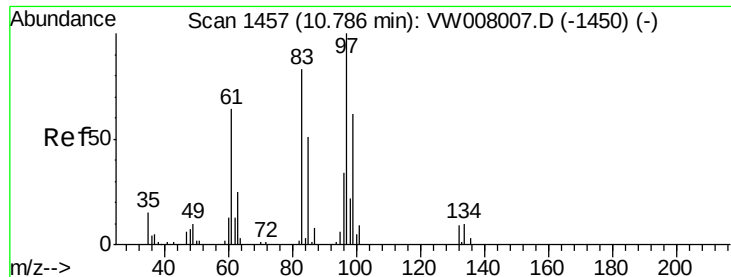
Tot Ion: 43 Resp: 12944
Ion Ratio Lower Upper
43 100
58 21.8 32.0 48.0#



#52
Toluene
Concen: 1.895 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

Tgt Ion: 92 Resp: 2583
Ion Ratio Lower Upper
92 100
91 163.4 136.9 205.3

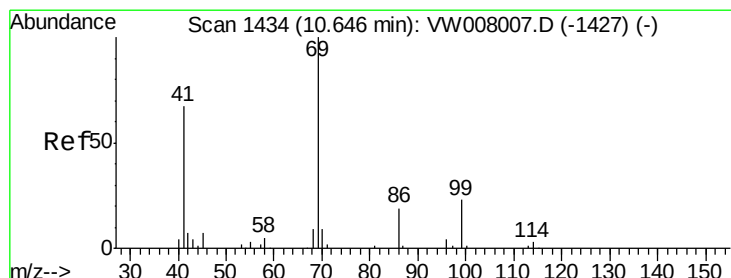
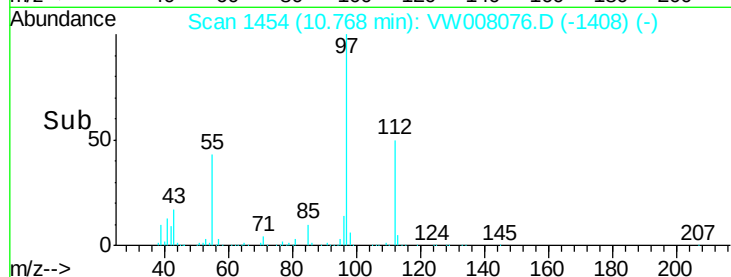
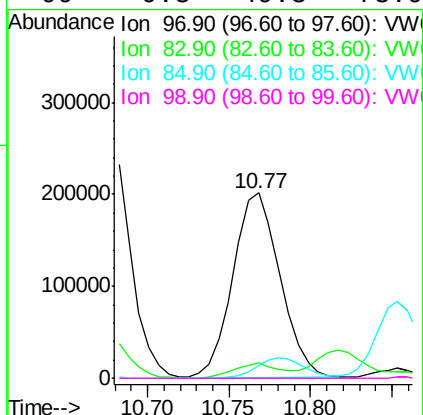
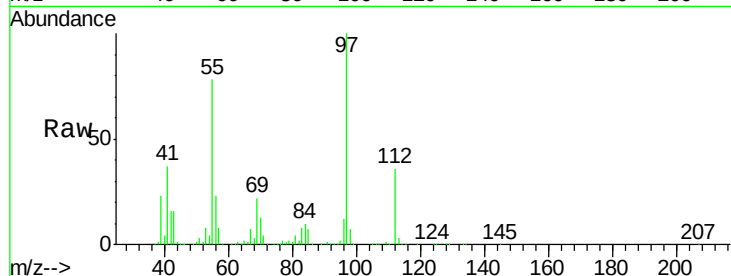




#55
 1,1,2-Trichloroethane
 Concen: 1144.994 ug/l
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

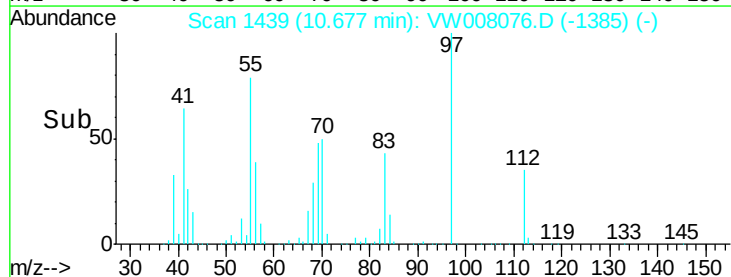
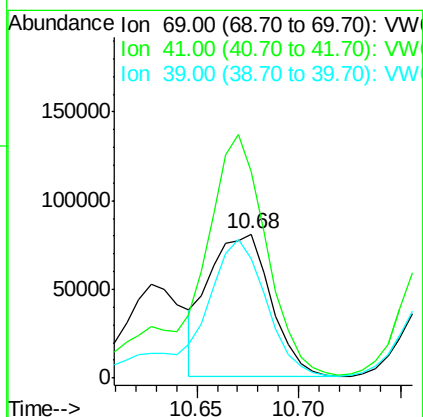
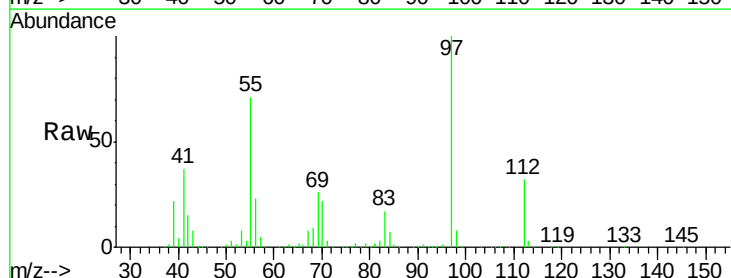
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-15(15-20)

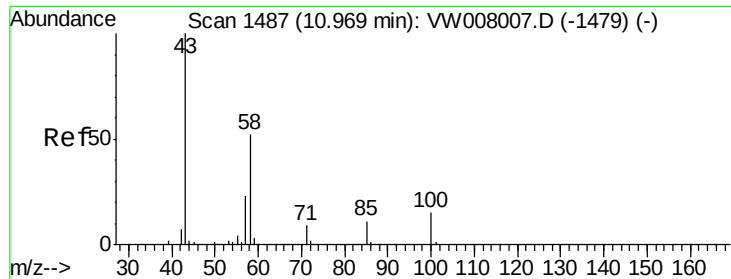
Tot Ion: 97 Resp: 405050
 Ion Ratio Lower Upper
 97 100
 83 7.9 66.2 99.2#
 85 7.1 41.0 61.4#
 99 0.3 49.3 73.9#



#56
 Ethyl methacrylate
 Concen: 422.058 ug/l
 RT: 10.68 min Scan# 1439
 Delta R.T. 0.03 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

Tgt Ion: 69 Resp: 168792
 Ion Ratio Lower Upper
 69 100
 41 196.5 52.6 79.0#
 39 108.1 35.8 53.6#

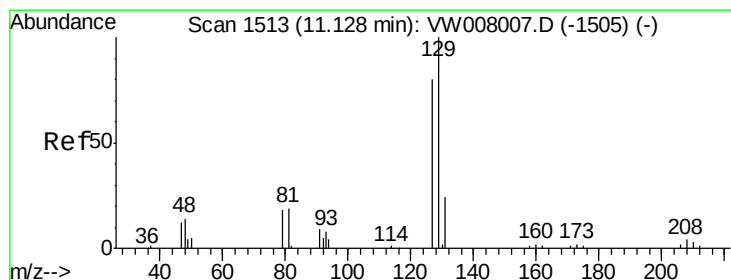
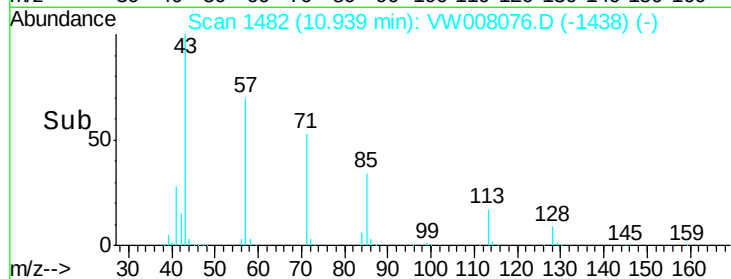
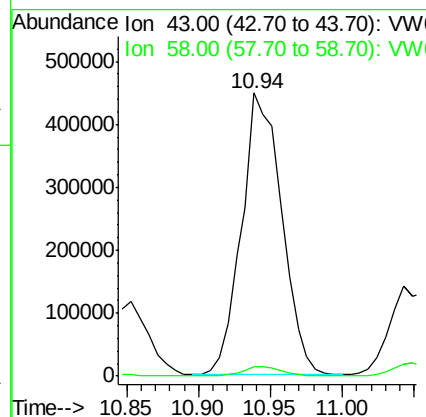
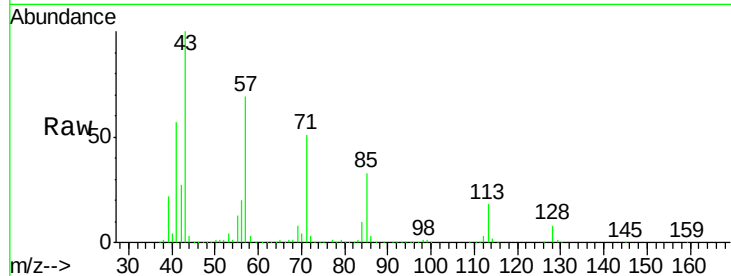




#59
2-Hexanone
Concen: 5751.411 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

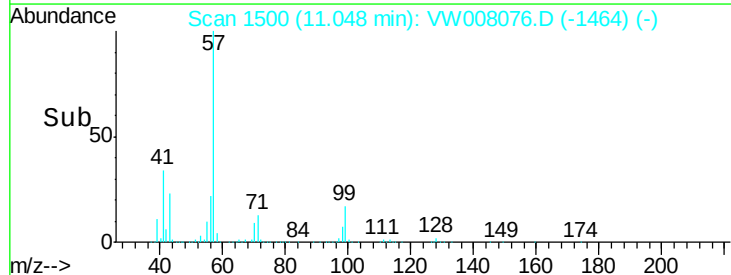
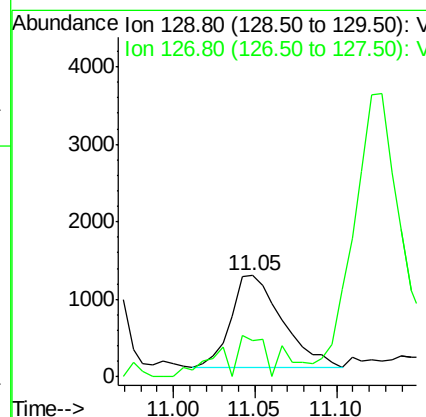
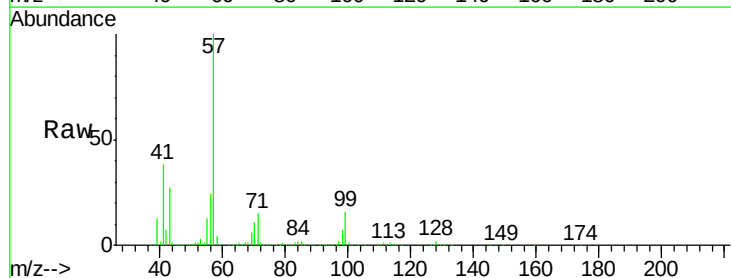
Instrument :
MSVOA_W
ClientSampleId :
CPSB-15(15-20)

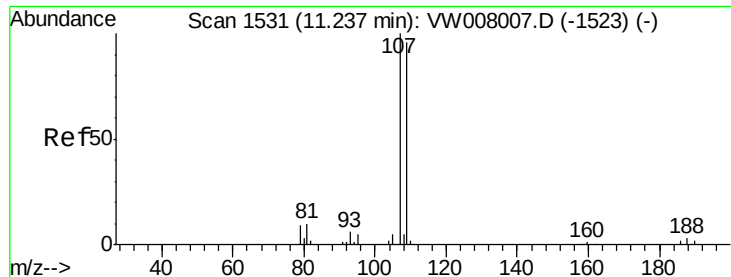
Tot Ion: 43 Resp: 863286
Ion Ratio Lower Upper
43 100
58 3.3 27.1 81.2#



#60
Dibromochloromethane
Concen: 5.367 ug/l
RT: 11.05 min Scan# 1500
Delta R.T. -0.08 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

Tgt Ion: 129 Resp: 2599
Ion Ratio Lower Upper
129 100
127 21.0 38.6 116.0#





#61

1,2-Dibromoethane

Concen: 6.014 ug/l

RT: 11.24 min Scan# 1532

Delta R.T. 0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

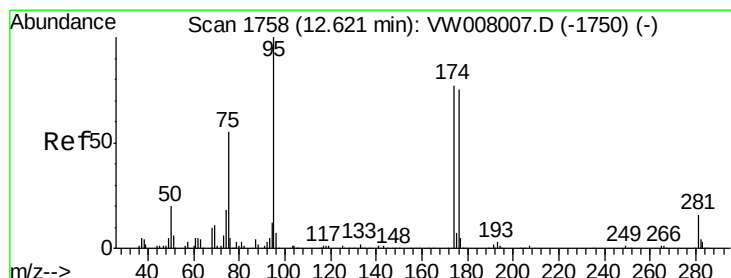
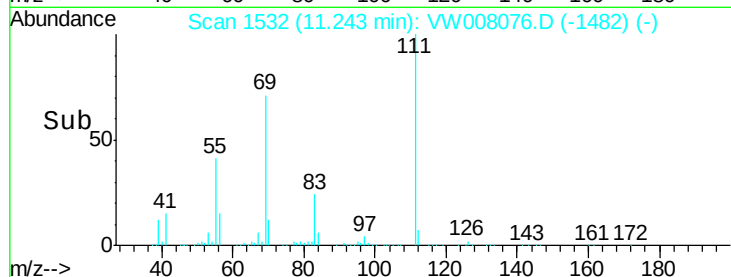
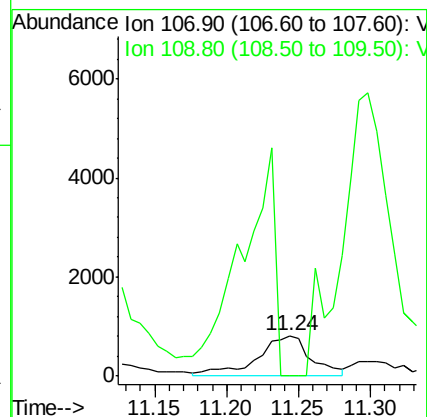
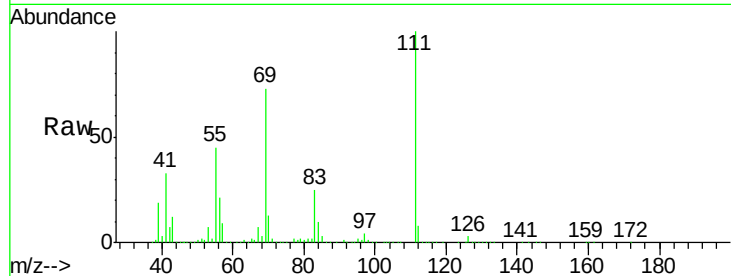
CPSB-15(15-20)

Tot Ion: 107 Resp: 2129

Ion Ratio Lower Upper

107 100

109 361.2 77.2 115.8#



#62

4-Bromofluorobenzene

Concen: 302.843 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

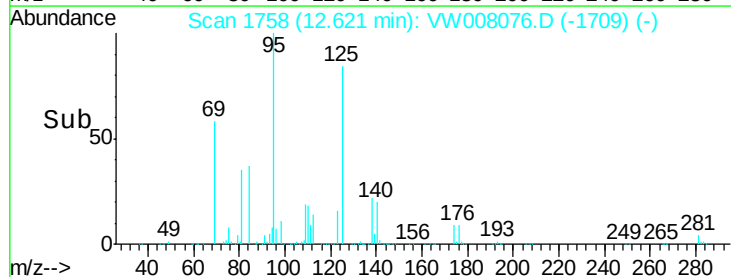
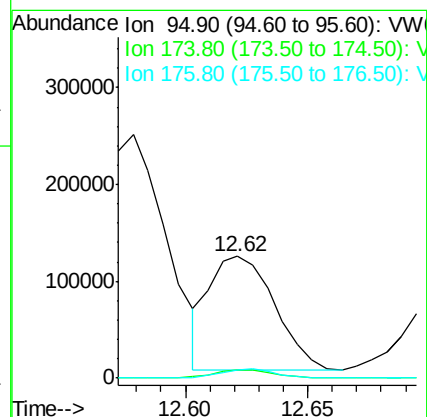
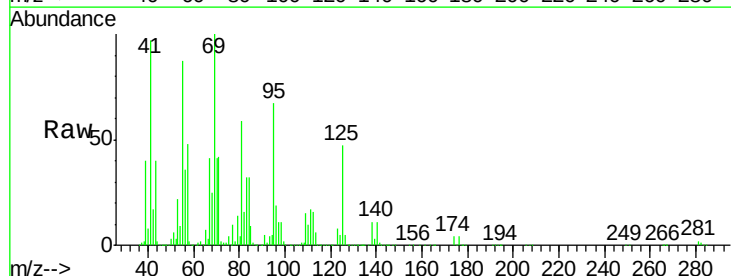
Tgt Ion: 95 Resp: 217899

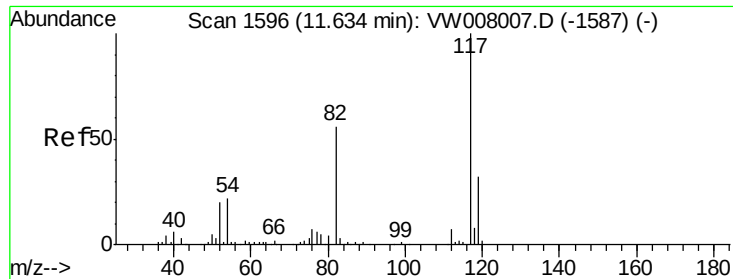
Ion Ratio Lower Upper

95 100

174 6.7 0.0 149.6

176 6.5 0.0 145.4

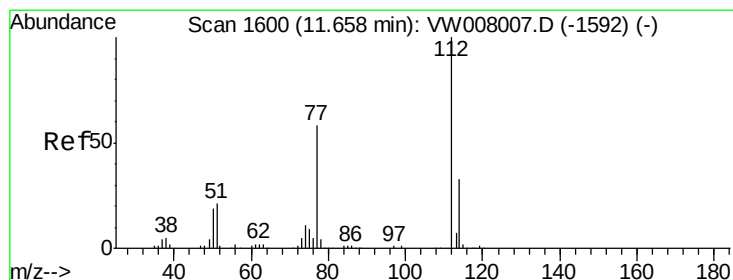
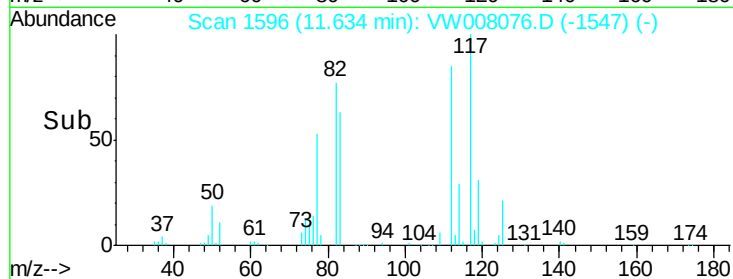
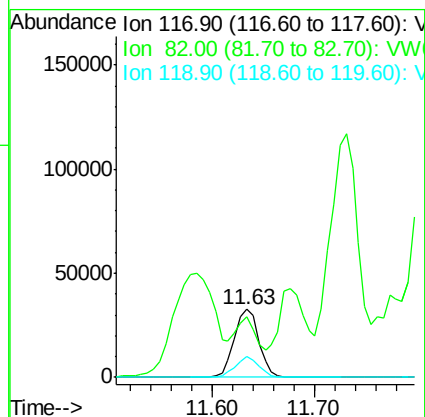
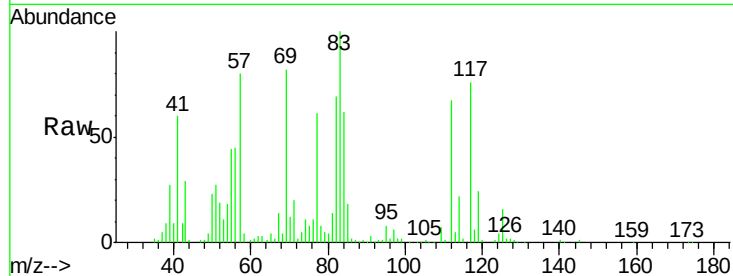




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

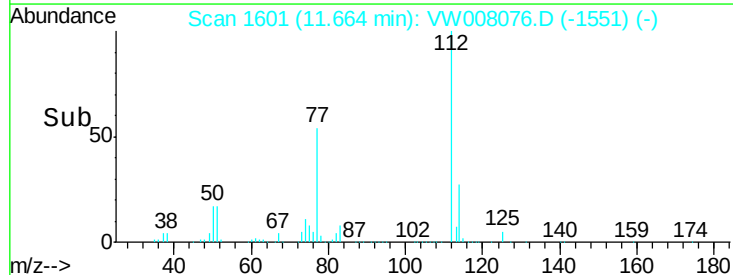
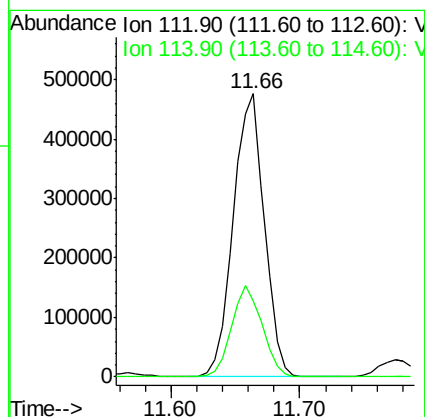
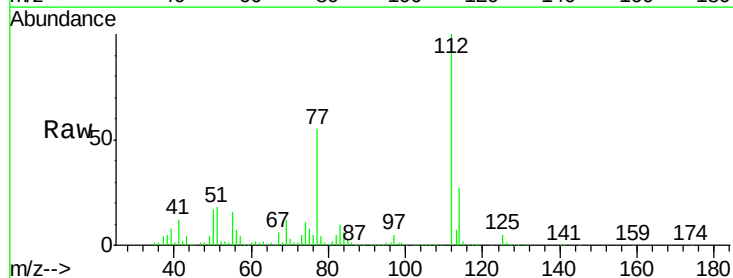
Instrument :
MSVOA_W
ClientSampleId :
CPSB-15(15-20)

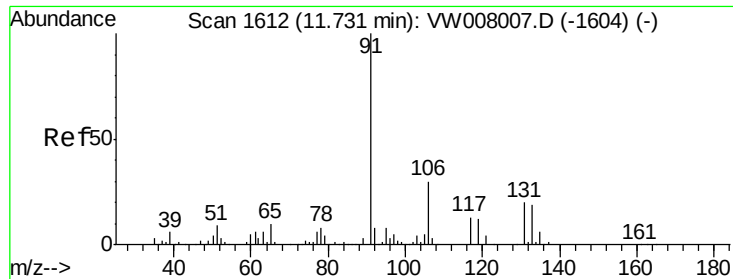
Tot Ion:117 Resp: 53919
Ion Ratio Lower Upper
117 100
82 0.0 44.8 67.2#
119 31.2 25.6 38.4



#65
Chlorobenzene
Concen: 690.989 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

Tgt Ion:112 Resp: 796268
Ion Ratio Lower Upper
112 100
114 27.0 26.0 39.0

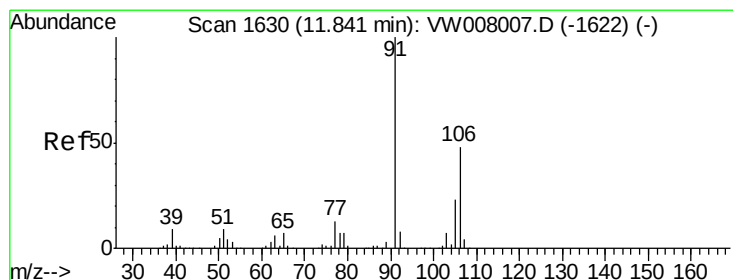
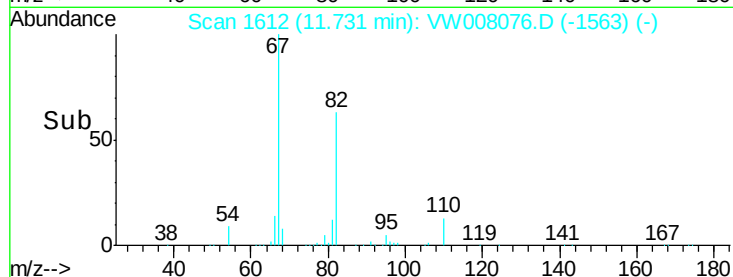
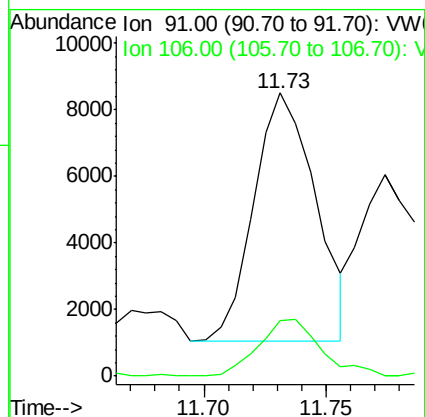
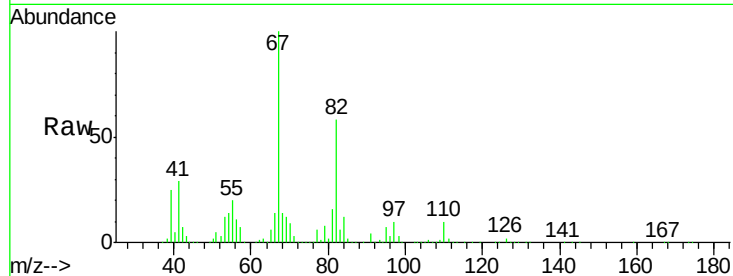




#67
Ethyl Benzene
Concen: 6.370 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

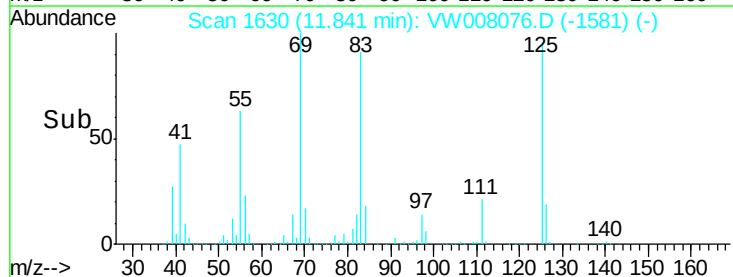
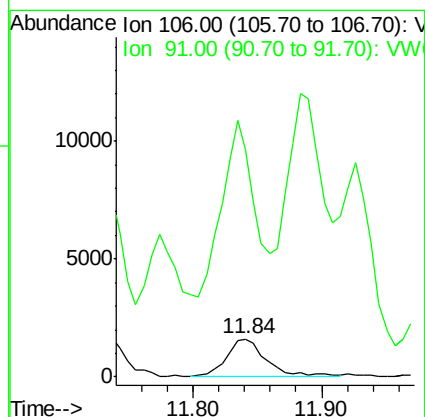
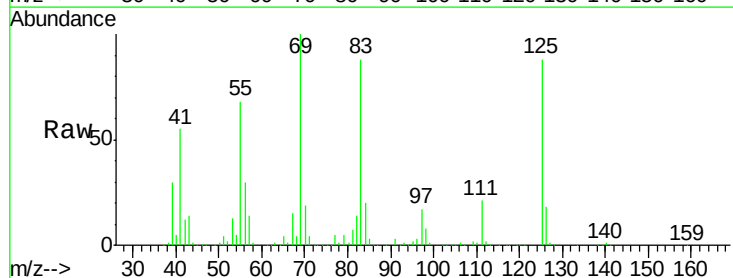
Instrument :
MSVOA_W
ClientSampleId :
CPSB-15(15-20)

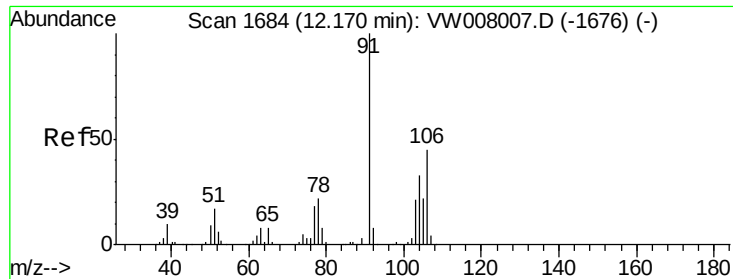
Tot Ion: 91 Resp: 13029
Ion Ratio Lower Upper
91 100
106 22.7 24.3 36.5#



#68
m/p-Xylenes
Concen: 4.434 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

Tgt Ion: 106 Resp: 3506
Ion Ratio Lower Upper
106 100
91 593.2 165.8 248.8#

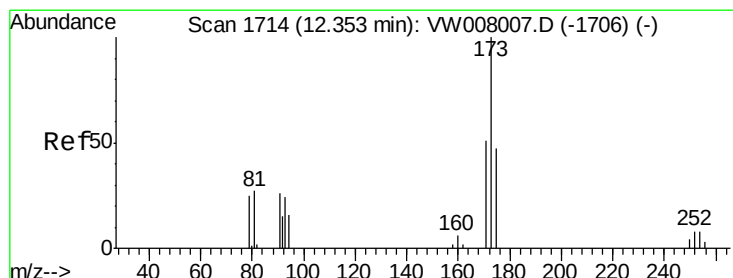
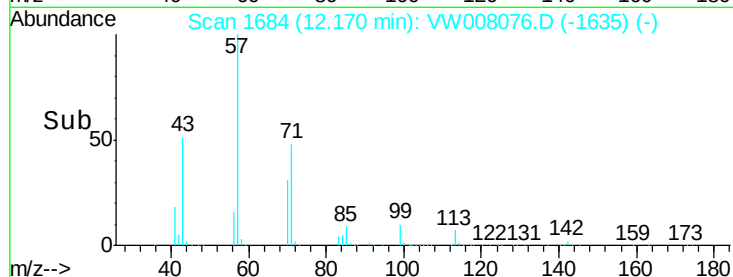
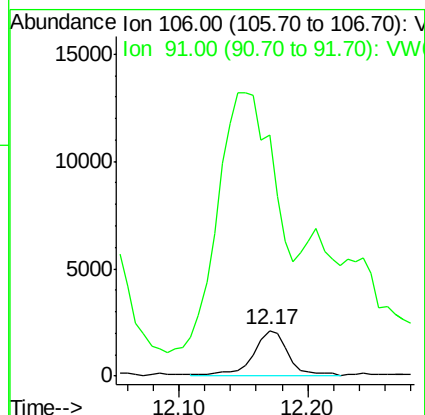
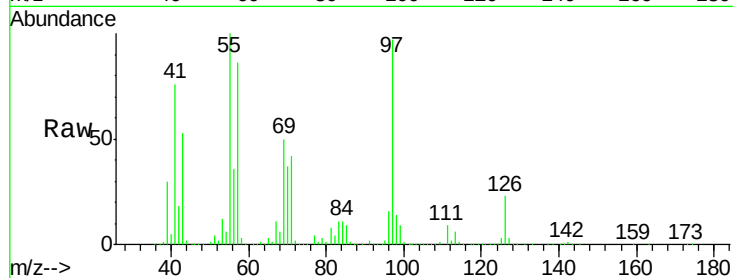




#69
o-Xylene
Concen: 5.541 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

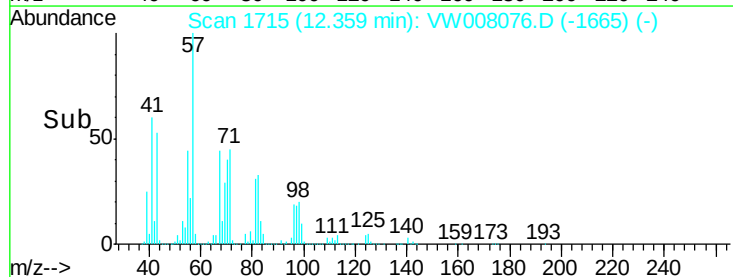
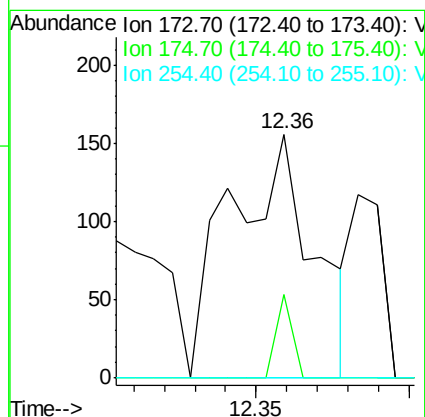
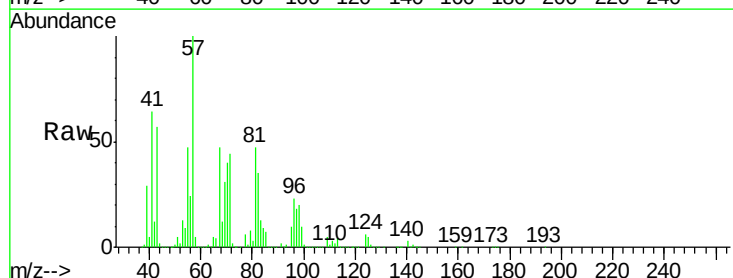
Instrument :
MSVOA_W
ClientSampleId :
CPSB-15(15-20)

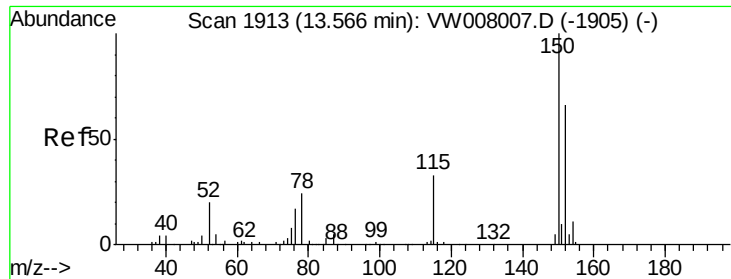
Tot Ion:106 Resp: 4077
Ion Ratio Lower Upper
106 100
91 931.8 110.6 331.6#



#71
Bromoform
Concen: 1.515 ug/l
RT: 12.36 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VW008076.D
Acq: 07 Jan 2019 18:08

Tgt Ion:173 Resp: 293
Ion Ratio Lower Upper
173 100
175 0.0 23.6 71.0#
254 0.0 0.0 0.0

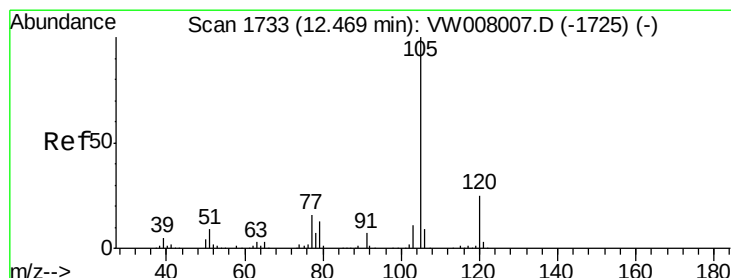
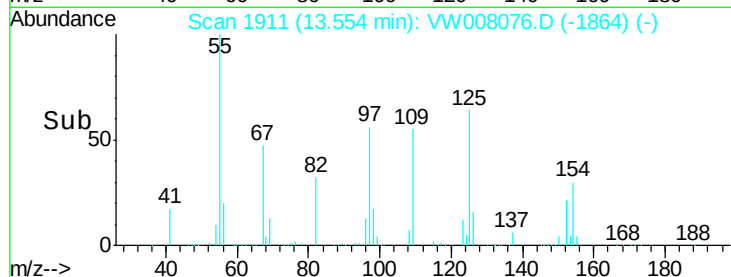
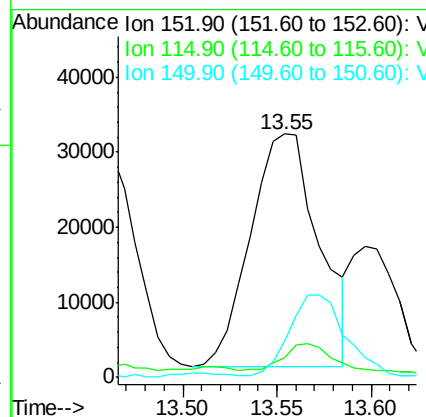
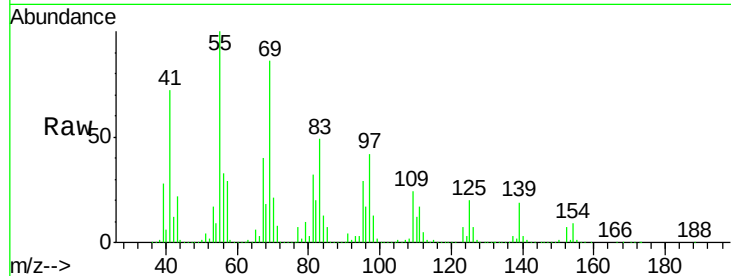




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

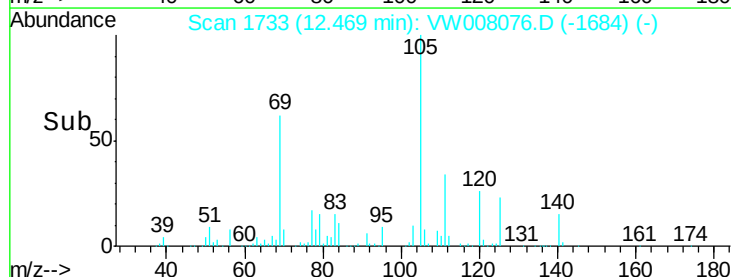
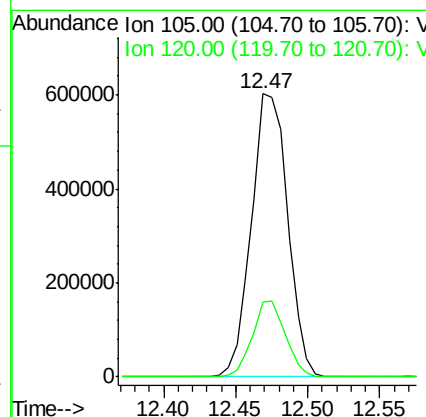
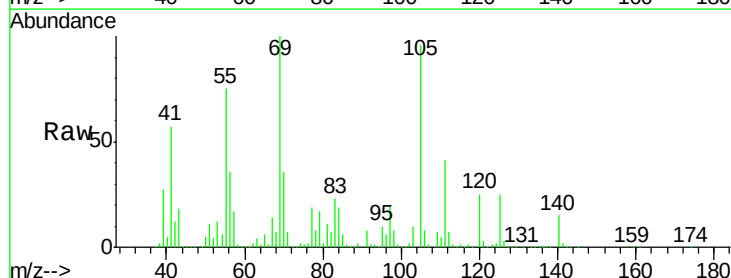
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-15(15-20)

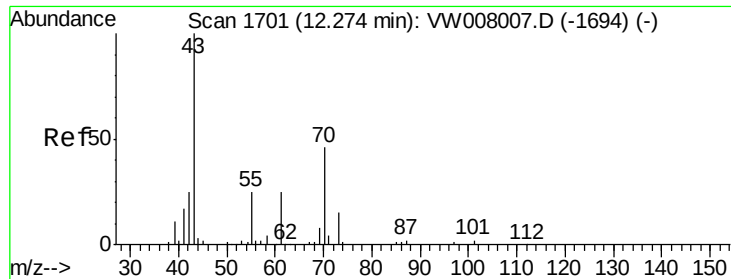
Tot Ion:152 Resp: 77839
 Ion Ratio Lower Upper
 152 100
 115 10.0 32.1 96.5#
 150 29.8 0.0 345.0



#73
 Isopropylbenzene
 Concen: 168.896 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. 0.00 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

Tgt Ion:105 Resp: 1045397
 Ion Ratio Lower Upper
 105 100
 120 24.6 12.8 38.3





#74

N-amvl acetate

Concen: 1591.616 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

CPSB-15(15-20)

Tot Ion: 43 Resp: 1533487

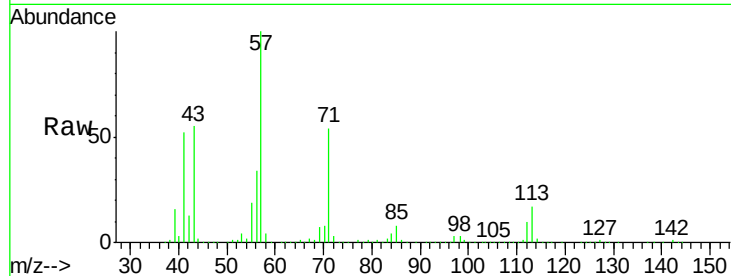
Ion Ratio Lower Upper

43 100

70 19.2 35.2 52.8#

55 19.6 21.4 32.0#

61 0.0 19.4 29.0#

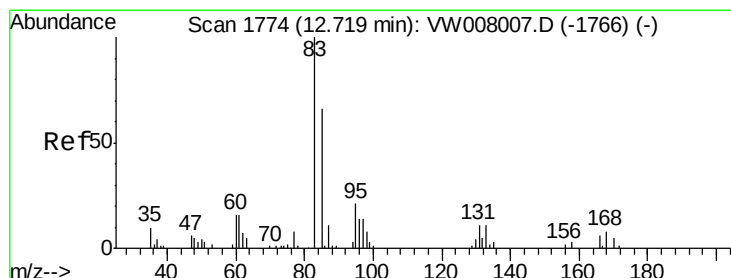
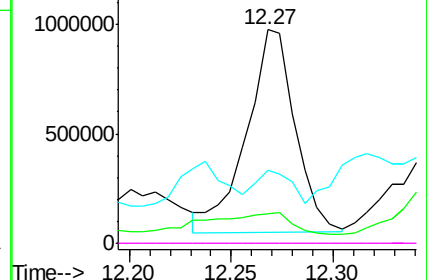
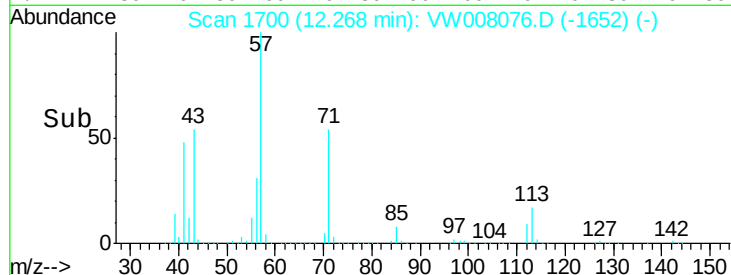


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 318.043 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

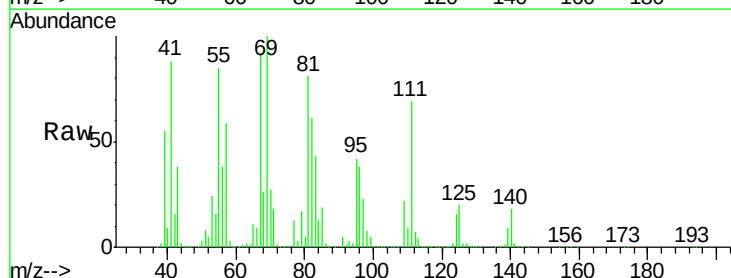
Tgt Ion: 83 Resp: 250474

Ion Ratio Lower Upper

83 100

131 0.1 6.5 19.5#

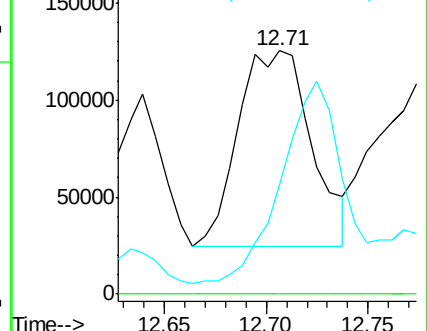
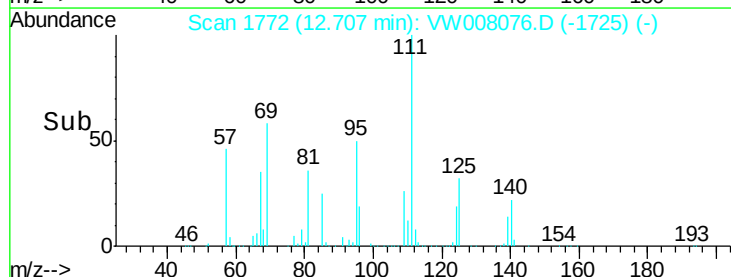
85 88.6 32.8 98.3

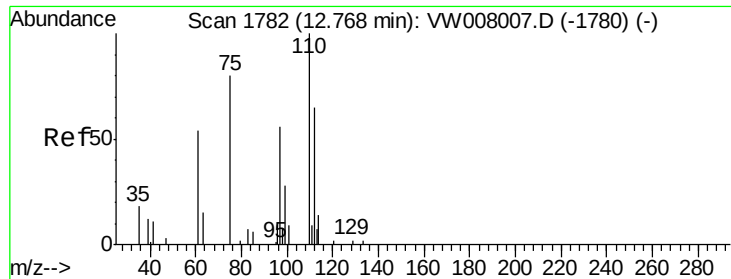


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 18.957 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

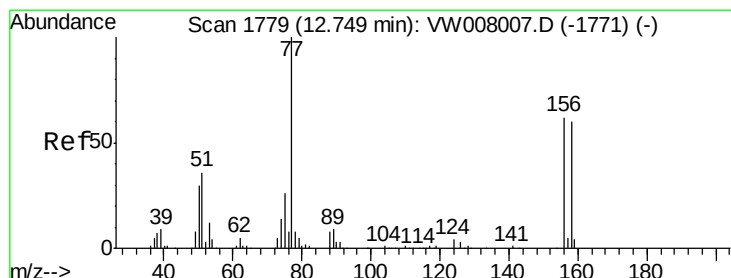
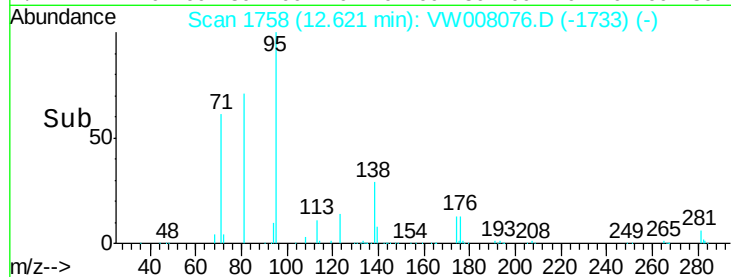
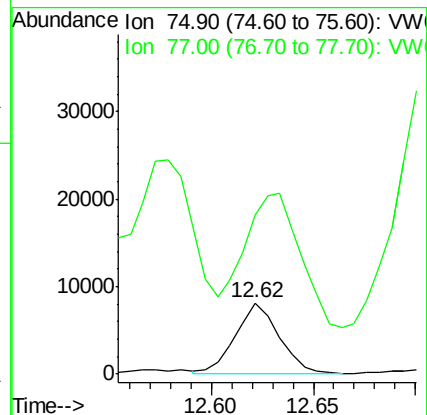
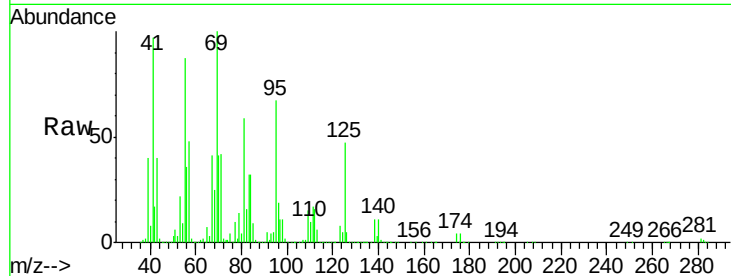
CPSB-15(15-20)

Tot Ion: 75 Resp: 11739

Ion Ratio Lower Upper

75 100

77 248.7 186.2 558.6



#77

Bromobenzene

Concen: 3.230 ug/l

RT: 12.72 min Scan# 1775

Delta R.T. -0.02 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

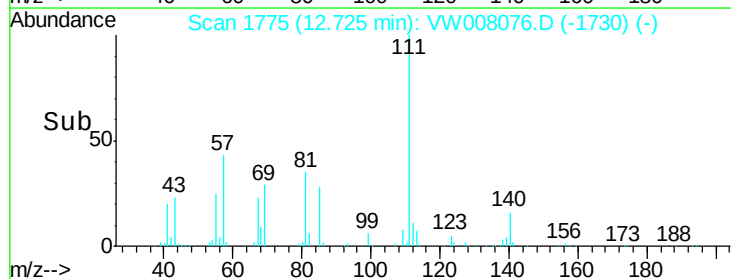
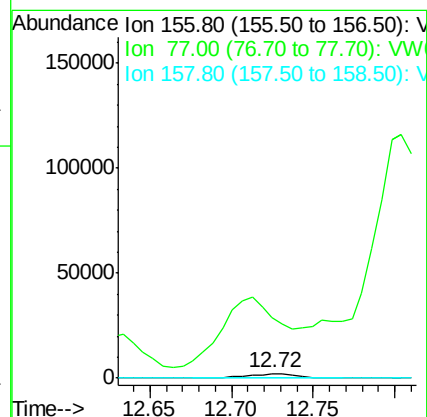
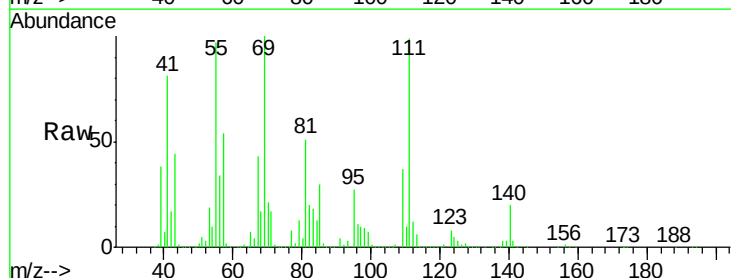
Tgt Ion: 156 Resp: 4297

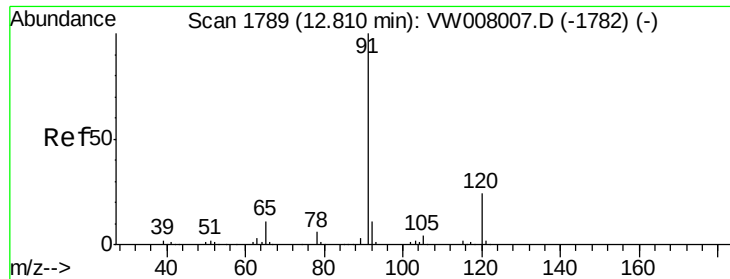
Ion Ratio Lower Upper

156 100

77 1897.9 87.9 263.8#

158 0.0 47.8 143.4#





#78

n-propylbenzene

Concen: 345.726 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

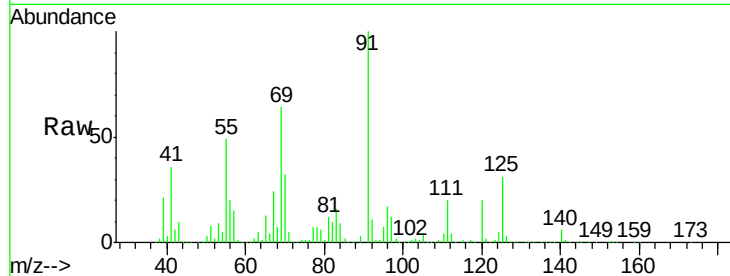
CPSB-15(15-20)

Tot Ion: 91 Resp: 2481032

Ion Ratio Lower Upper

91 100

120 20.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

1500000

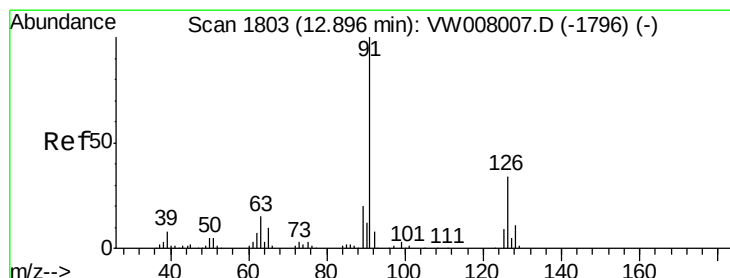
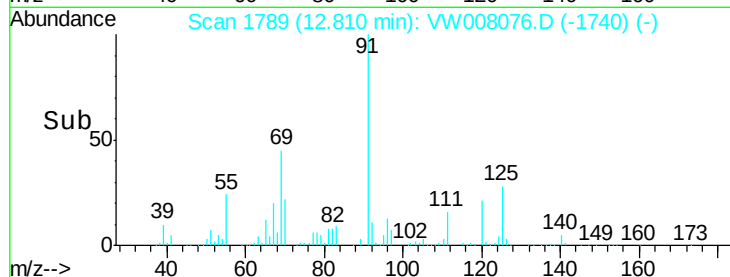
1000000

500000

0

12.75 12.80 12.85

Time-->



#79

2-Chlorotoluene

Concen: 598.187 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.09 min

Lab File: VW008076.D

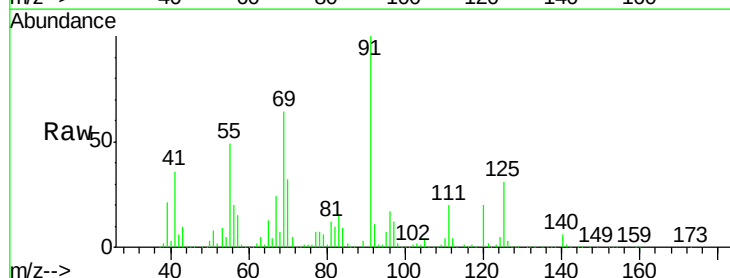
Acq: 07 Jan 2019 18:08

Tgt Ion: 91 Resp: 2481032

Ion Ratio Lower Upper

91 100

126 6.7 17.1 51.2#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

1500000

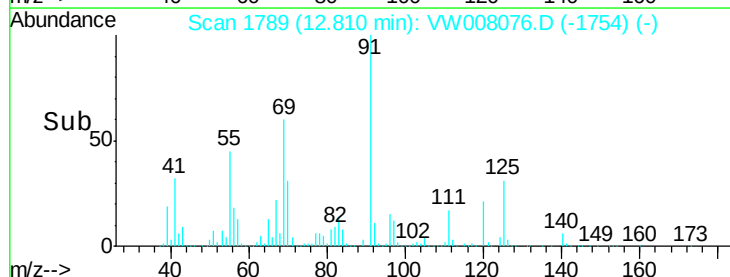
1000000

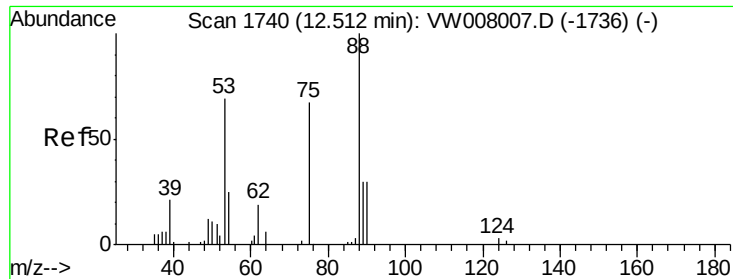
500000

0

12.75 12.80 12.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 1.948 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

CPSB-15(15-20)

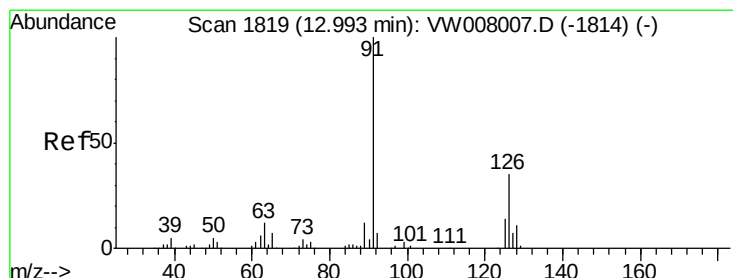
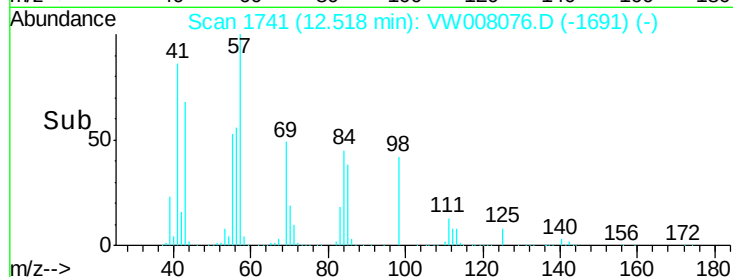
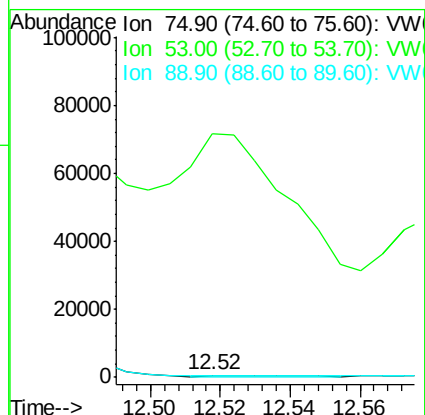
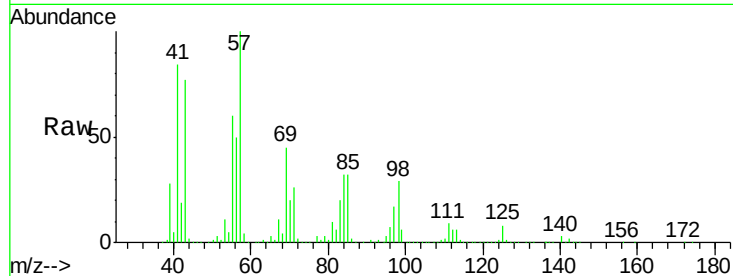
Tot Ion: 75 Resp: 510

Ion Ratio Lower Upper

75 100

53 14368.2 87.6 131.4#

89 0.0 42.2 63.2#



#82

4-Chlorotoluene

Concen: 561.276 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.18 min

Lab File: VW008076.D

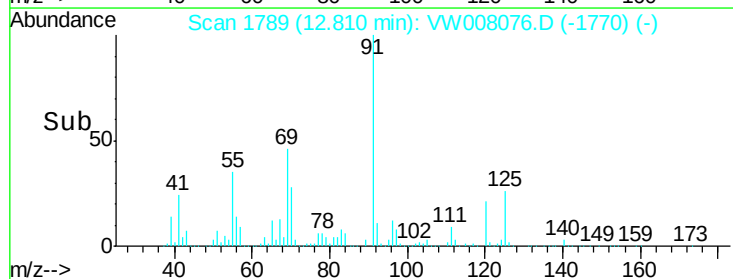
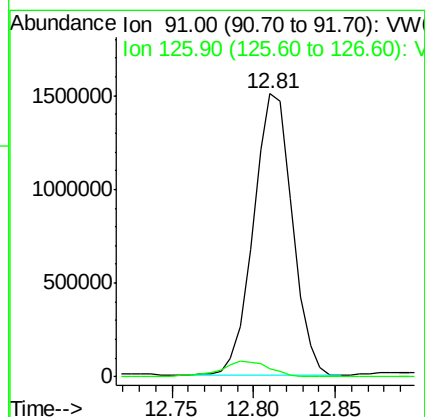
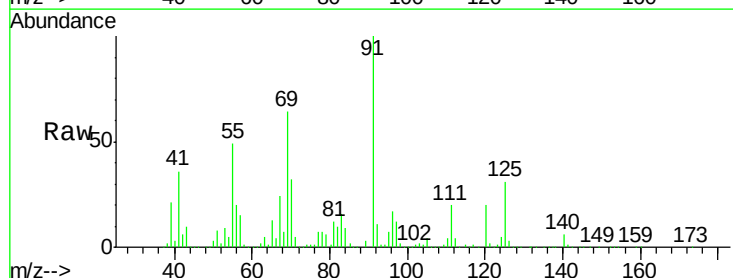
Acq: 07 Jan 2019 18:08

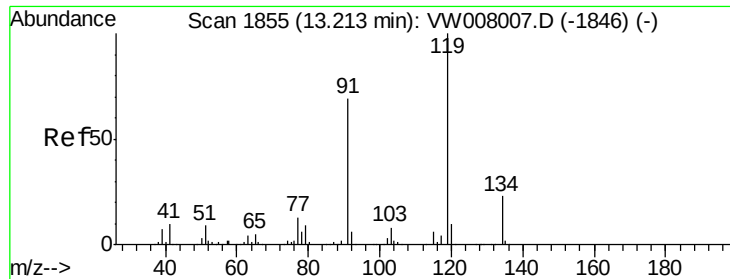
Tgt Ion: 91 Resp: 2475364

Ion Ratio Lower Upper

91 100

126 6.7 16.7 50.1#

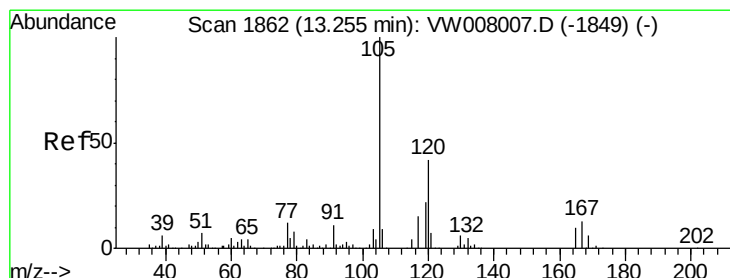
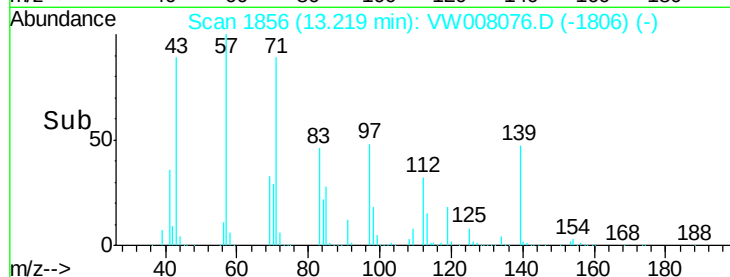
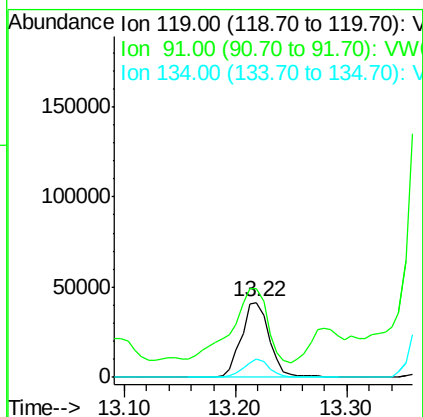
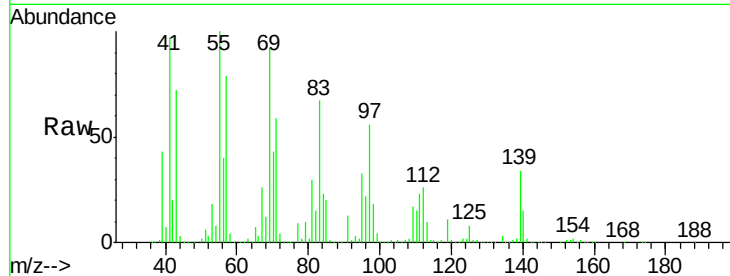




#83
 tert-Butylbenzene
 Concen: 15.530 ug/l
 RT: 13.22 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

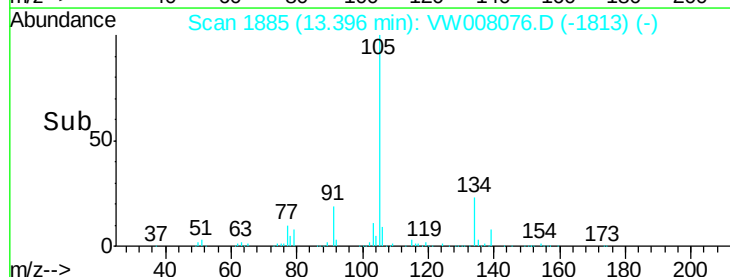
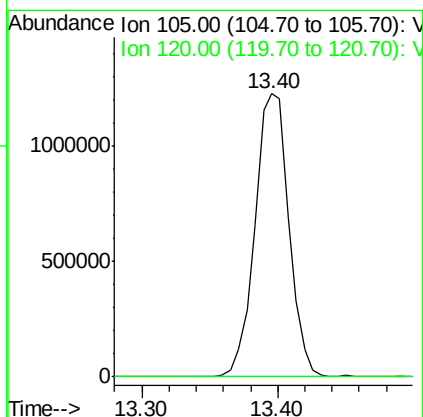
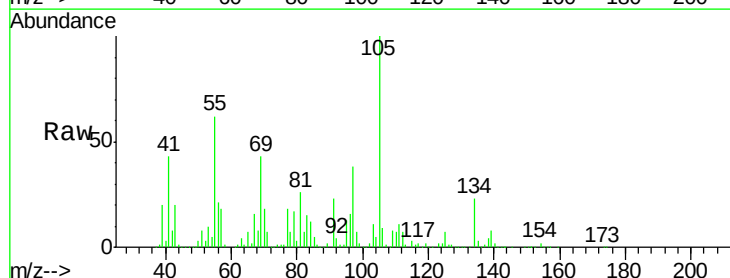
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-15(15-20)

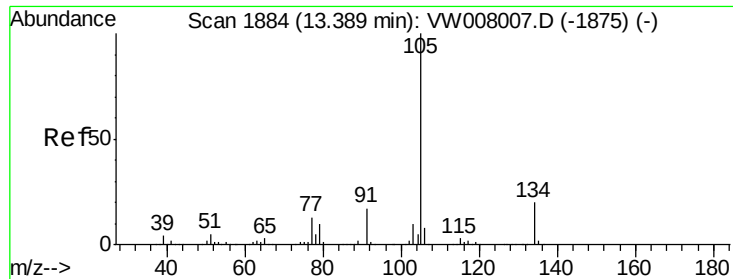
Tot Ion:119 Resp: 72390
 Ion Ratio Lower Upper
 119 100
 91 127.6 34.7 104.1#
 134 0.0 11.5 34.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 395.136 ug/l
 RT: 13.40 min Scan# 1885
 Delta R.T. 0.14 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

Tgt Ion:105 Resp: 2132352
 Ion Ratio Lower Upper
 105 100
 120 0.2 21.5 64.5#





#85

sec-Butylbenzene

Concen: 332.542 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampled :

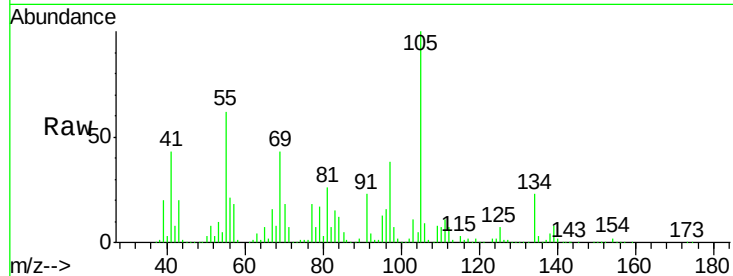
CPSB-15(15-20)

Tot Ion:105 Resp: 2132352

Ion Ratio Lower Upper

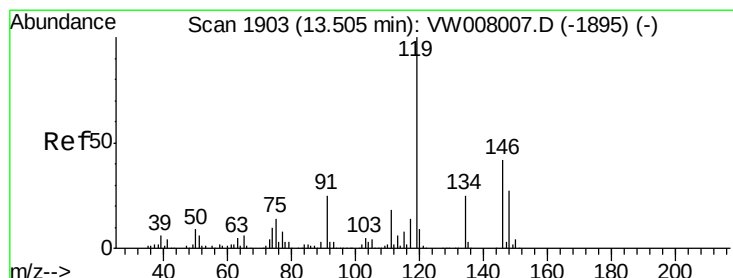
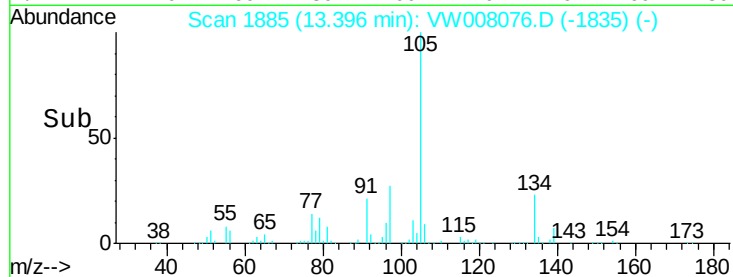
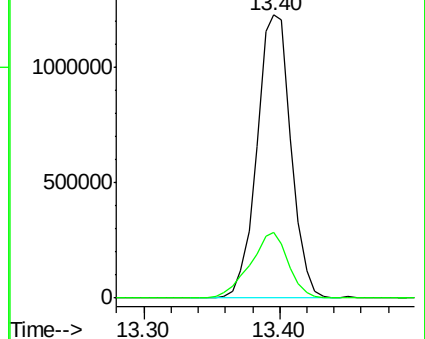
105 100

134 26.2 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.573 ug/l

RT: 13.66 min Scan# 1929

Delta R.T. 0.16 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

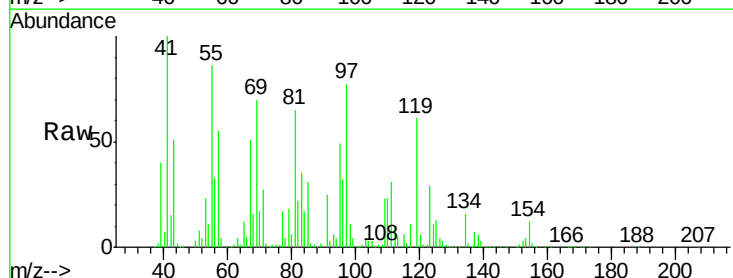
Tgt Ion:119 Resp: 298293

Ion Ratio Lower Upper

119 100

134 25.5 12.5 37.5

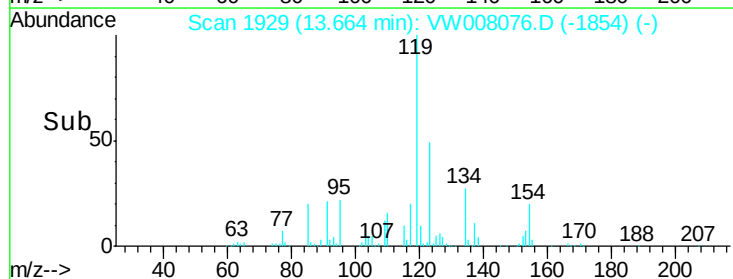
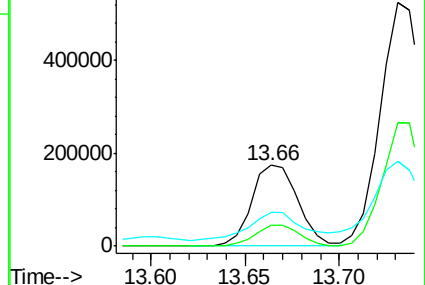
91 38.9 13.1 39.3

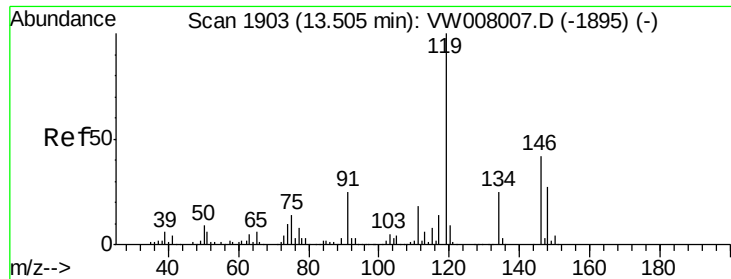


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

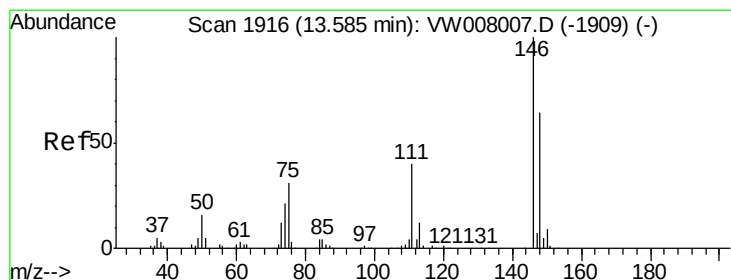
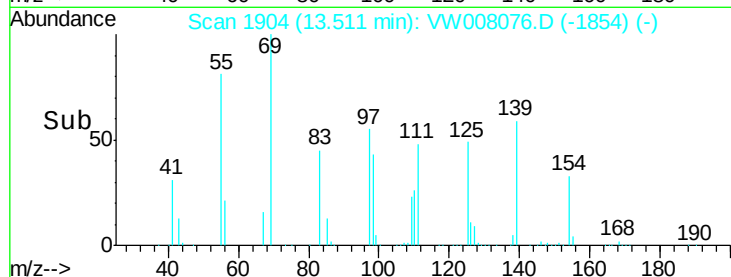
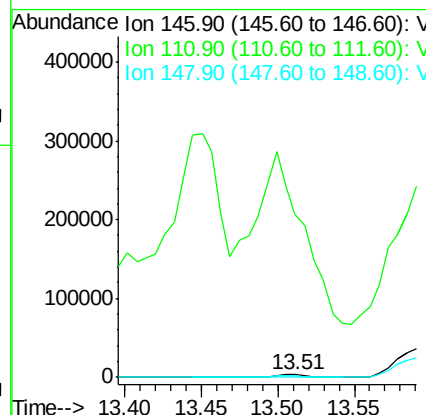
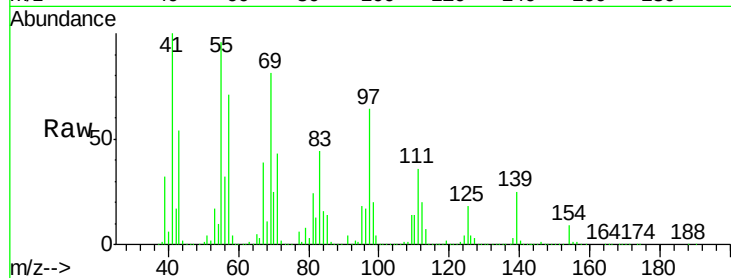




#87
 1,3-Dichlorobenzene
 Concen: 2.075 ug/l
 RT: 13.51 min Scan# 1904
 Delta R.T. 0.01 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

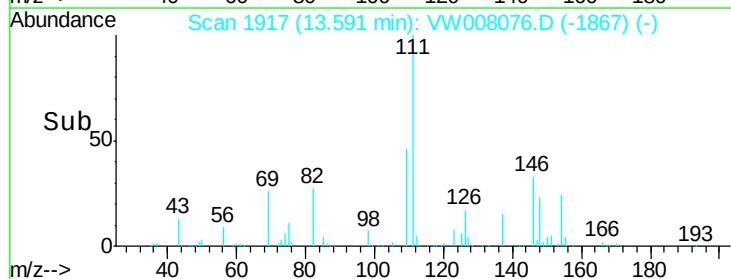
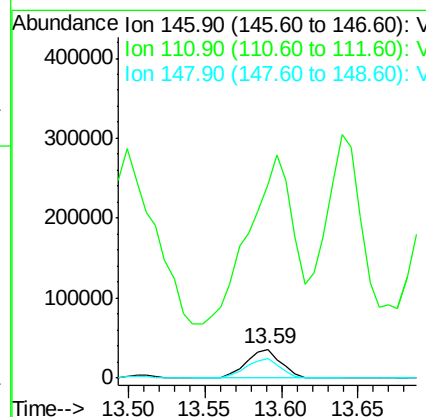
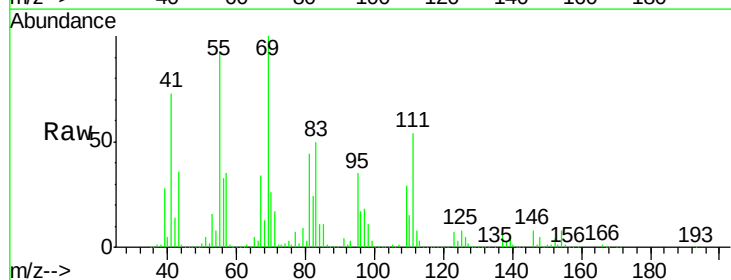
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-15(15-20)

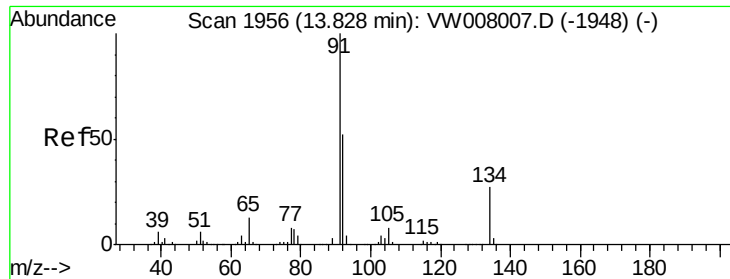
Tot Ion:146 Resp: 5570
 Ion Ratio Lower Upper
 146 100
 111 8102.9 21.4 64.2#
 148 64.4 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 21.148 ug/l
 RT: 13.59 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

Tgt Ion:146 Resp: 56202
 Ion Ratio Lower Upper
 146 100
 111 753.1 20.9 62.8#
 148 67.4 31.9 95.9





#89

n-Butylbenzene

Concen: 192.522 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

CPSB-15(15-20)

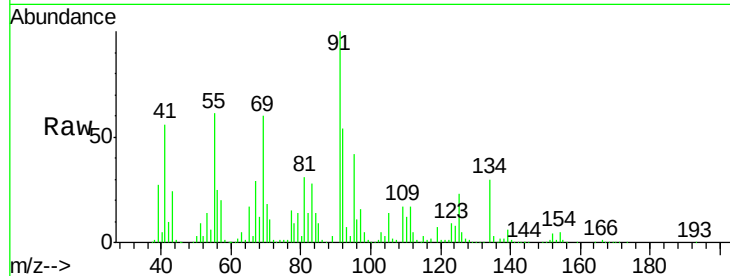
Tot Ion: 91 Resp: 1018520

Ion Ratio Lower Upper

91 100

92 46.4 26.4 79.2

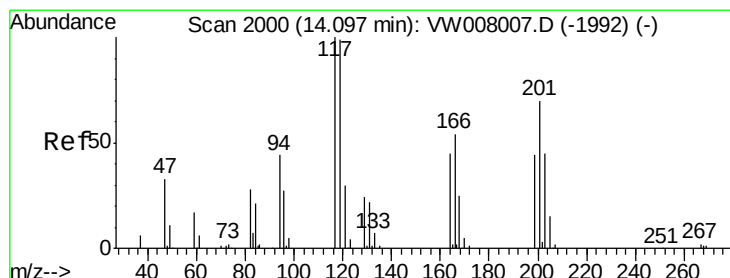
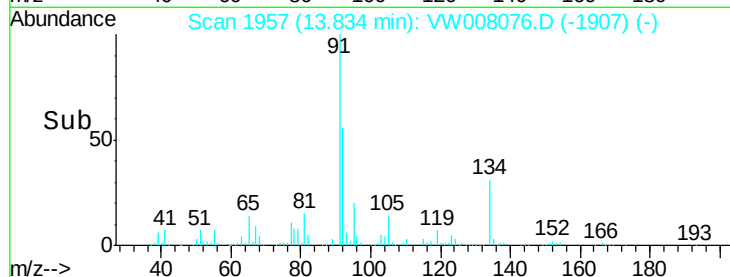
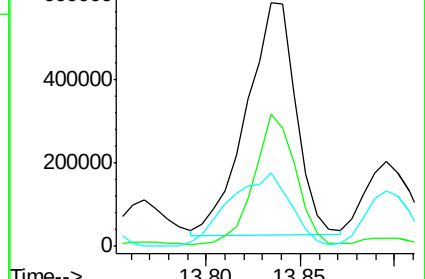
134 38.9 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 281.005 ug/l

RT: 14.11 min Scan# 2003

Delta R.T. 0.02 min

Lab File: VW008076.D

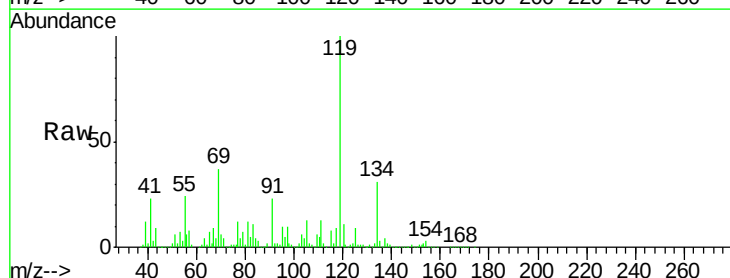
Acq: 07 Jan 2019 18:08

Tgt Ion: 117 Resp: 282018

Ion Ratio Lower Upper

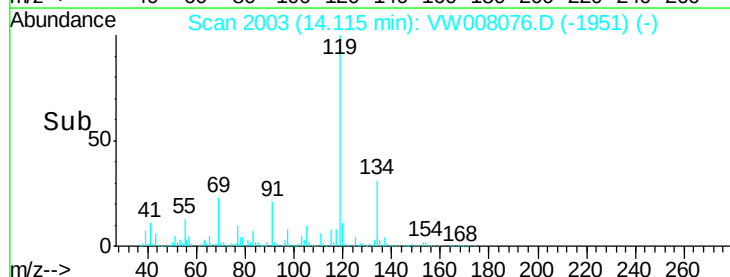
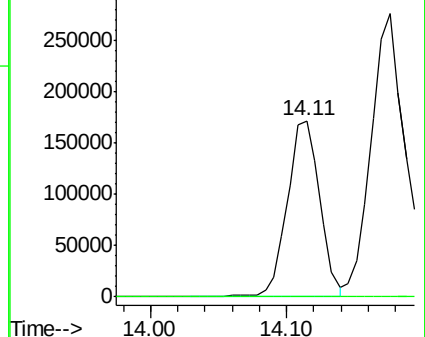
117 100

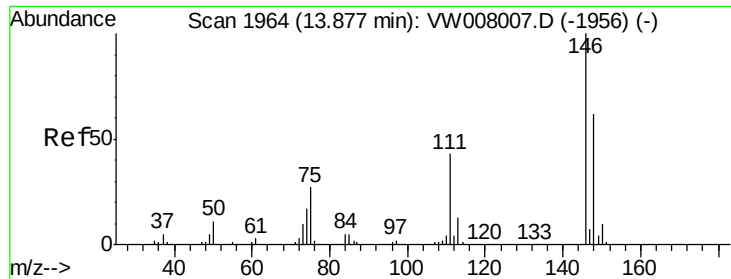
201 0.0 37.1 111.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 1.473 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

Instrument :

MSVOA_W

ClientSampleId :

CPSB-15(15-20)

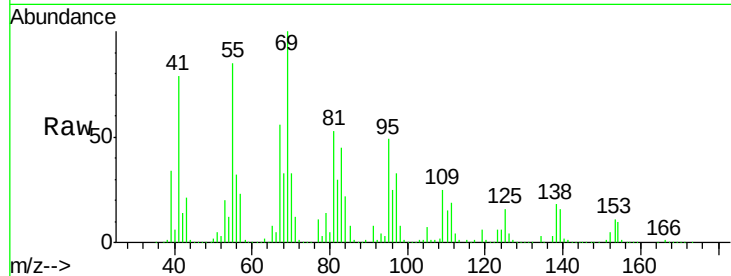
Tot Ion:146 Resp: 3475

Ion Ratio Lower Upper

146 100

111 0.0 22.6 67.7#

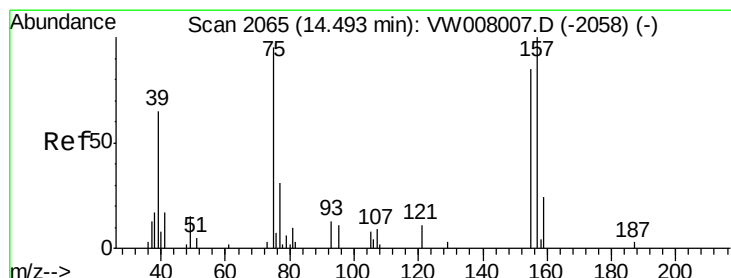
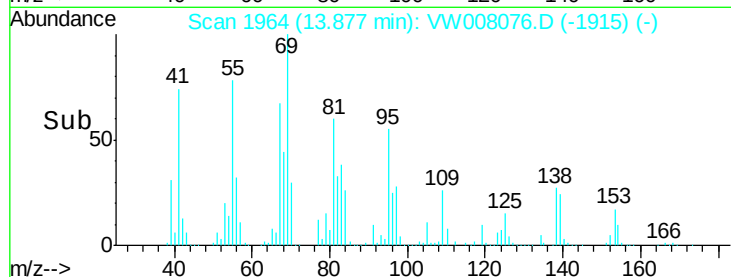
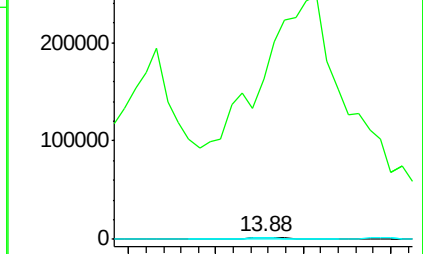
148 70.5 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.125 ug/l

RT: 14.51 min Scan# 2068

Delta R.T. 0.02 min

Lab File: VW008076.D

Acq: 07 Jan 2019 18:08

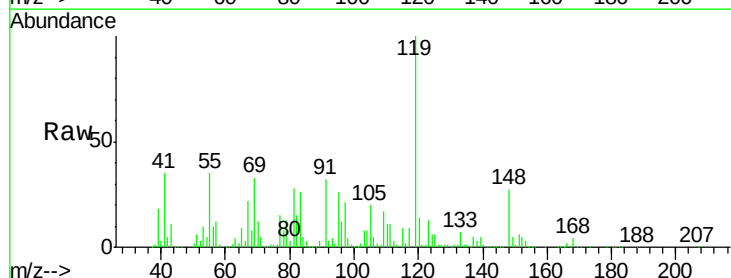
Tgt Ion: 75 Resp: 7053

Ion Ratio Lower Upper

75 100

155 0.0 42.4 127.1#

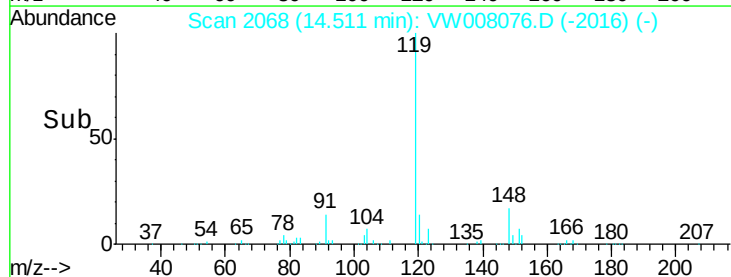
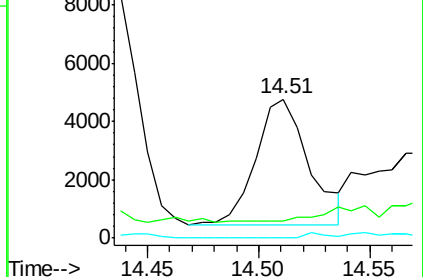
157 1.9 52.3 156.8#

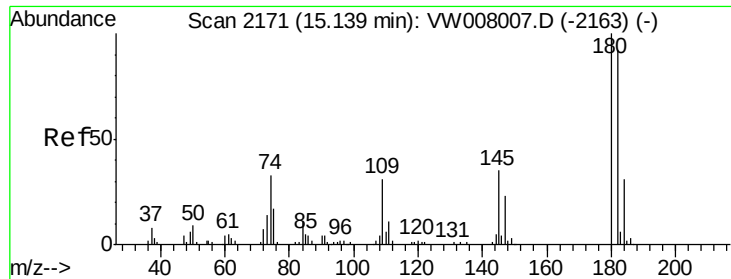


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

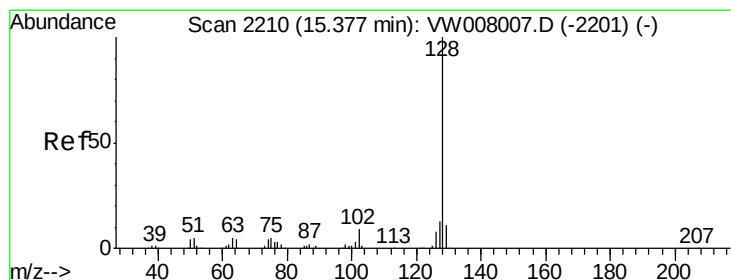
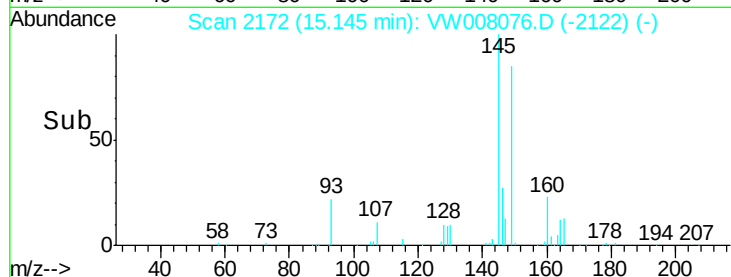
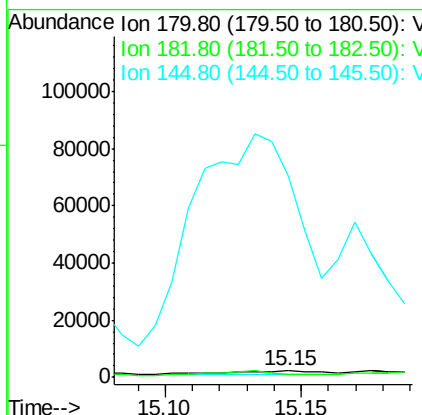
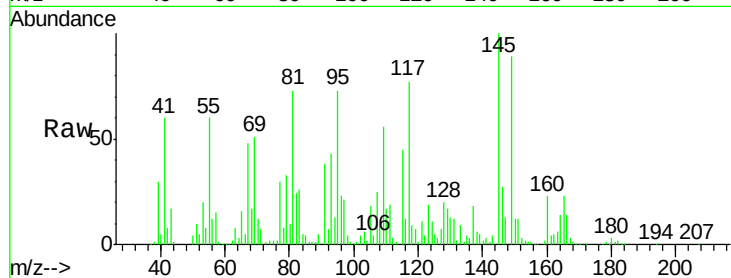




#93
 1,2,4-Trichlorobenzene
 Concen: 1.283 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

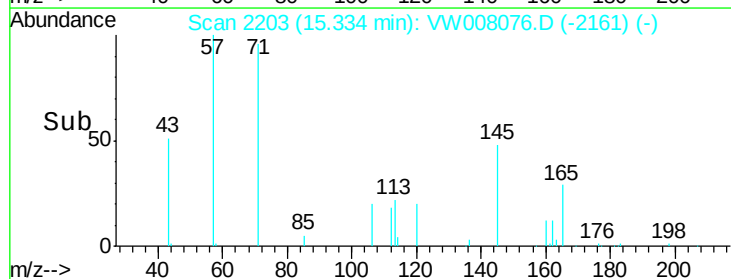
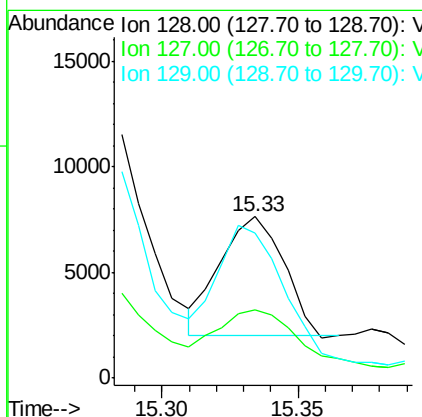
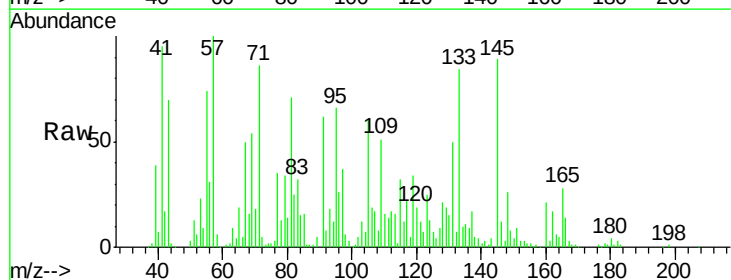
Instrument :
 MSVOA_W
 ClientSampled :
 CPSB-15(15-20)

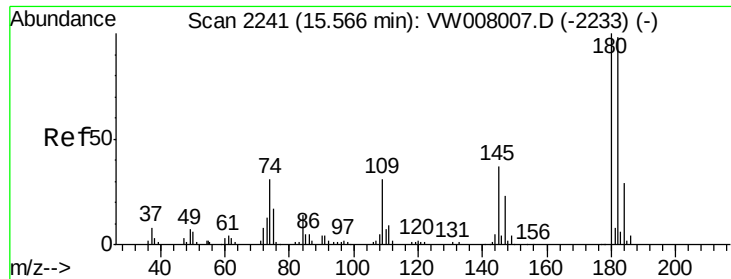
Tot Ion:180 Resp: 2125
 Ion Ratio Lower Upper
 180 100
 182 154.0 46.6 139.8#
 145 9240.9 17.2 51.6#



#95
 Naphthalene
 Concen: 3.244 ug/l
 RT: 15.33 min Scan# 2203
 Delta R.T. -0.04 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

Tgt Ion:128 Resp: 9154
 Ion Ratio Lower Upper
 128 100
 127 60.2 10.8 16.2#
 129 125.9 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.065 ug/l
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: VW008076.D
 Acq: 07 Jan 2019 18:08

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

Tot Ion:180 Resp: 1452
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.8#
 145 0.0 18.7 56.1#

