

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
 Data File : VW008275.D
 Acq On : 15 Jan 2019 09:38
 Operator : SY/VA
 Sample : K1135-02RE
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)RE

Quant Time: Jan 15 11:02:55 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	0.00	168	0	0.00	ug/l	-7.95
34) 1,4-Difluorobenzene	8.85	114	301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.29	65	102	0.00	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	7.87	113	21	11.96	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	23.92%	
50) Toluene-d8	10.33	98	866	117.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	235.10%	
62) 4-Bromofluorobenzene	12.63	95	651	246.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	492.98%	

Target Compounds

						Qvalue
36) 1,1-Dichloropropene	8.09	75	96	30.962	ug/l #	26
37) Ethyl Acetate	7.27	43	149	119.949	ug/l #	18
38) Carbon Tetrachloride	7.97	117	46	16.209	ug/l #	12
39) Methylcyclohexane	9.34	83	8116	2064.352	ug/l	88
40) Benzene	8.33	78	1656	196.915	ug/l	93
41) Methacrylonitrile	7.49	41	122	155.476	ug/l #	41
42) 1,2-Dichloroethane	8.41	62	131	55.385	ug/l #	14
43) Isopropyl Acetate	8.63	43	204	82.138	ug/l	98
44) Trichloroethene	9.10	130	97	45.058	ug/l	78
45) 1,2-Dichloropropane	9.37	63	47	22.539	ug/l #	46
46) Dibromomethane	9.23	93	25	24.412	ug/l	92
47) Bromodichloromethane	9.66	83	61	23.459	ug/l #	25
48) Methyl methacrylate	9.48	41	201	171.513	ug/l #	40
49) 1,4-Dioxane	9.49	88	105	6375.604	ug/l #	58
51) 4-Methyl-2-Pentanone	10.16	43	150	124.770	ug/l	98
52) Toluene	10.39	92	1773	330.120	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	44	16.267	ug/l #	44
54) cis-1,3-Dichloropropene	10.10	75	110	34.296	ug/l #	54
55) 1,1,2-Trichloroethane	10.76	97	1173	815.828	ug/l #	20
56) Ethyl methacrylate	10.67	69	702	394.251	ug/l #	17
57) 1,3-Dichloropropane	11.07	76	81	30.804	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.94	63	44	47.838	ug/l #	1
59) 2-Hexanone	10.90	43	239	293.976	ug/l	77
60) Dibromochloromethane	11.04	129	20	12.667	ug/l #	40
61) 1,2-Dibromoethane	11.23	107	56	41.047	ug/l #	1
64) Tetrachloroethene	10.87	164	170	58.701	ug/l #	57
65) Chlorobenzene	11.66	112	7273	771.455	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.79	131	20	6.522	ug/l #	11
67) Ethyl Benzene	11.73	91	11256	652.521	ug/l	97
68) m/p-Xylenes	11.83	106	3236	491.485	ug/l	96
69) o-Xylene	12.16	106	2997	491.539	ug/l	99
70) Styrene	12.18	104	297	31.099	ug/l #	1
71) Bromoform	12.46	173	20	14.573	ug/l #	30
73) Isopropylbenzene	12.47	105	5282	163.298	ug/l	96

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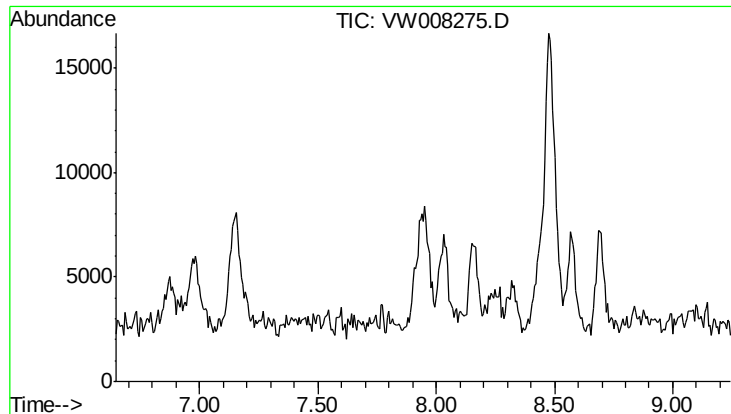
Instrument :
 MSVOA_W
 ClientSampleId :
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Quant Time: Jan 15 11:02:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
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 Response via : Initial Calibration

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

74) N-amyl acetate	12.26	43	1830	255.474	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.79	83	443	85.564	ug/l	63
76) 1,2,3-Trichloropropane	12.76	75	47	12.514	ug/l	99
77) Bromobenzene	12.66	156	21	3.073	ug/l #	1
78) n-propylbenzene	12.81	91	13800	348.197	ug/l	100
79) 2-Chlorotoluene	12.90	91	1010	45.678	ug/l	90
80) 1,3,5-Trimethylbenzene	12.95	105	9646	362.897	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.52	75	23	14.261	ug/l #	1
82) 4-Chlorotoluene	12.90	91	1015	43.585	ug/l	90
83) tert-Butylbenzene	13.21	119	683	29.045	ug/l	79
84) 1,2,4-Trimethylbenzene	13.26	105	27062	987.141	ug/l	96
85) sec-Butylbenzene	13.39	105	4159	120.737	ug/l #	67
86) p-Isopropyltoluene	13.51	119	5502	184.966	ug/l	95
87) 1,3-Dichlorobenzene	13.58	146	2218	159.980	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	2218	159.453	ug/l	95
89) n-Butylbenzene	13.83	91	7071	242.709	ug/l #	69
90) Hexachloroethane	14.10	117	1988	395.677	ug/l #	17
91) 1,2-Dichlorobenzene	13.87	146	15444	1267.511	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	71	85.212	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.15	180	266	32.882	ug/l #	1
95) Naphthalene	15.38	128	11802	781.333	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.56	180	84	12.181	ug/l #	81

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



#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 7.95 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Tot Ion: 168

Sig Exp Ratio

168 100

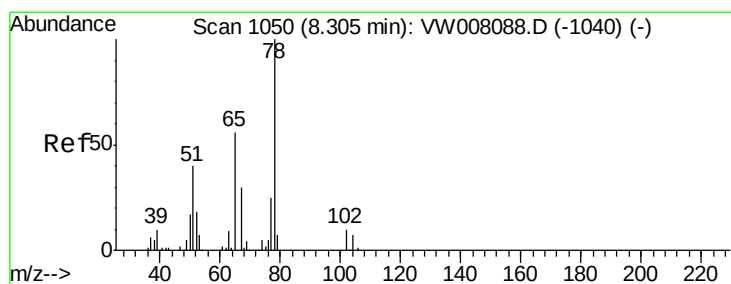
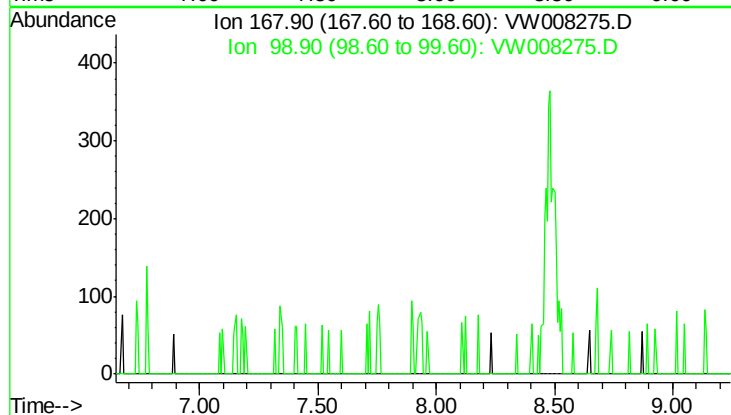
99 65.7

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)RE



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 8.29 min Scan# 1047

Delta R.T. -0.02 min

Lab File: VW008275.D

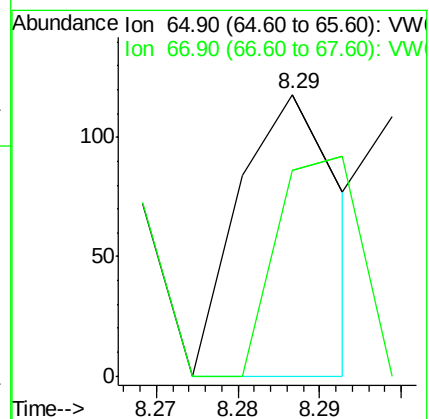
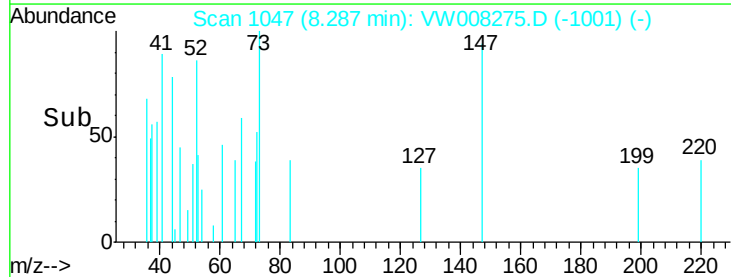
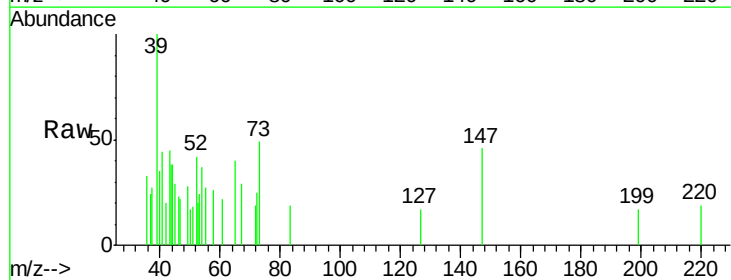
Acq: 15 Jan 2019 09:38

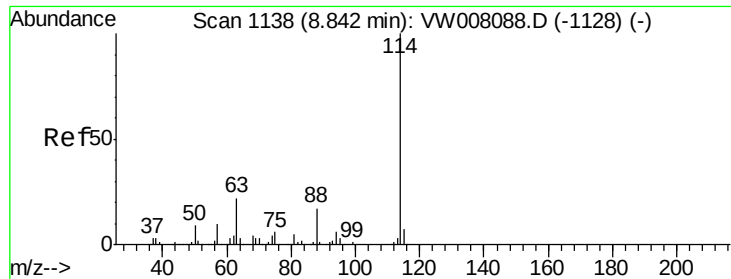
Tgt Ion: 65 Resp: 102

Ion Ratio Lower Upper

65 100

67 63.7 0.0 106.8

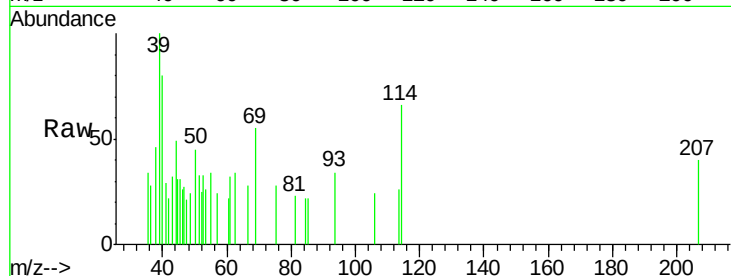




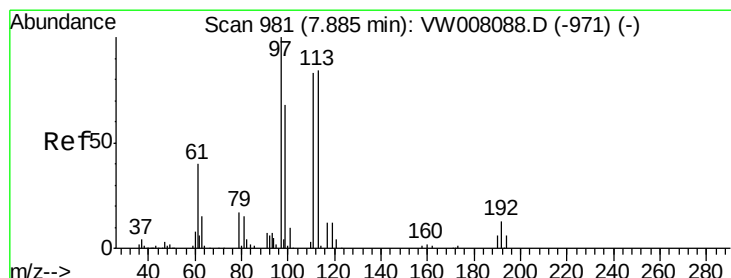
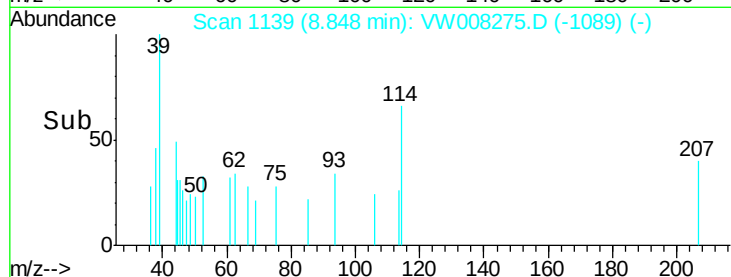
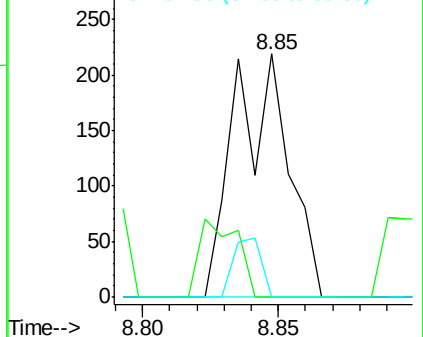
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW008275.D
 Acq: 15 Jan 2019 09:38

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)RE

Tot Ion:	114	Resp:	301
Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	43.4
88	0.0	0.0	33.4

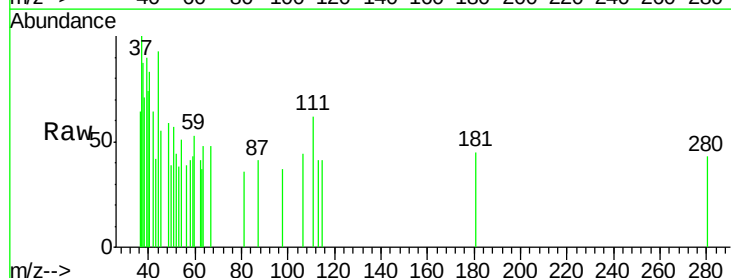


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

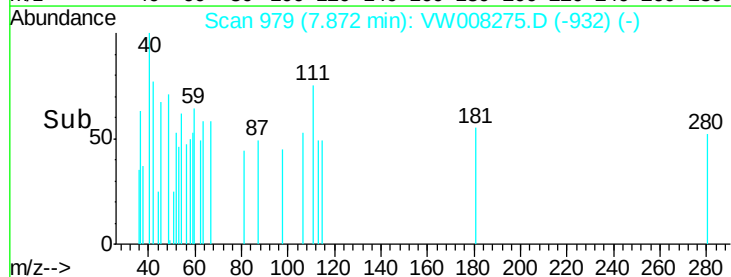
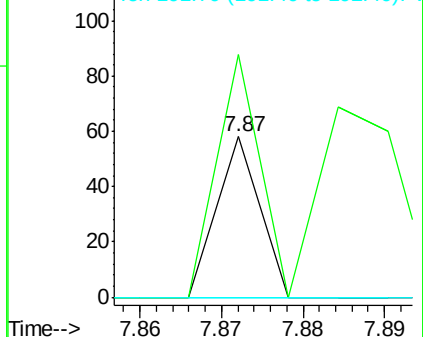


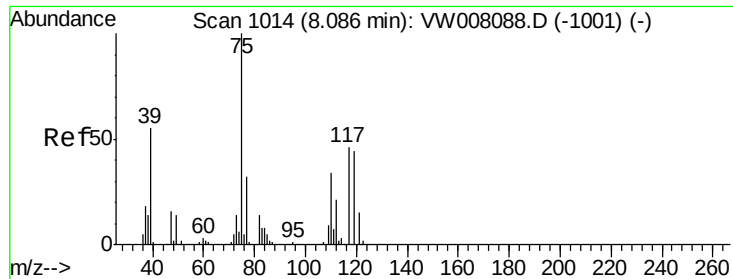
#35
 Dibromofluoromethane
 Concen: 11.962 ug/l
 RT: 7.87 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: VW008275.D
 Acq: 15 Jan 2019 09:38

Tgt Ion:	113	Resp:	21
Ion	Ratio	Lower	Upper
113	100		
111	152.4	81.8	122.8#
192	0.0	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: 30.962 ug/l

RT: 8.09 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)RE

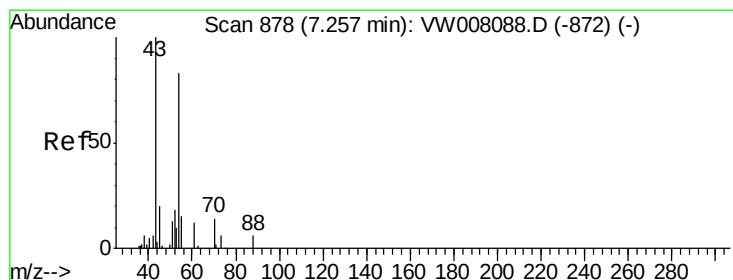
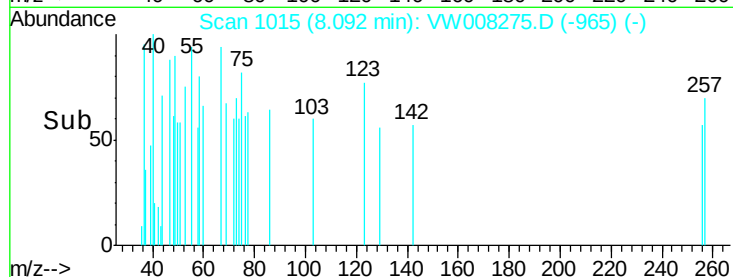
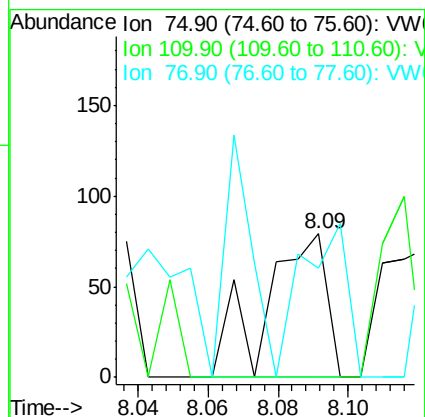
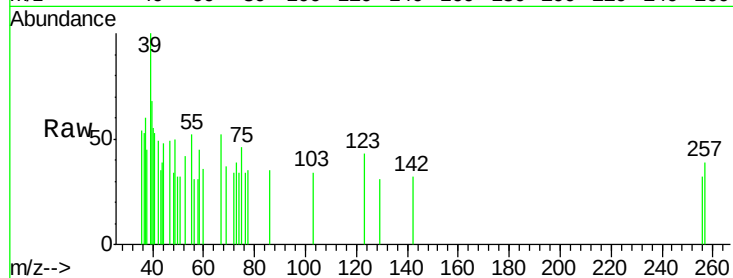
Tot Ion: 75 Resp: 96

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.3#

77 81.3 25.5 38.3#



#37

Ethyl Acetate

Concen: 119.949 ug/l

RT: 7.27 min Scan# 881

Delta R.T. 0.02 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

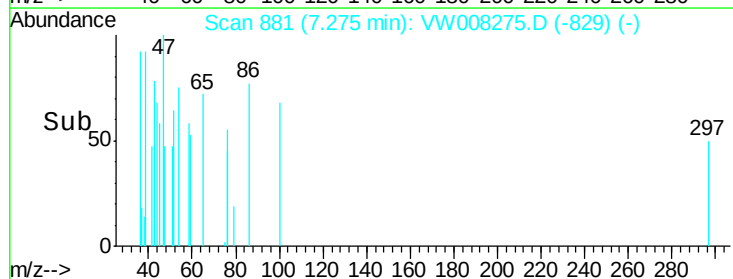
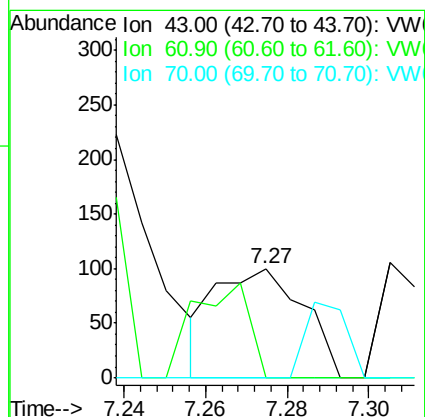
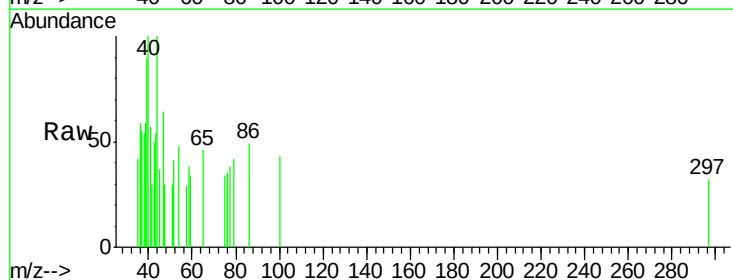
Tgt Ion: 43 Resp: 149

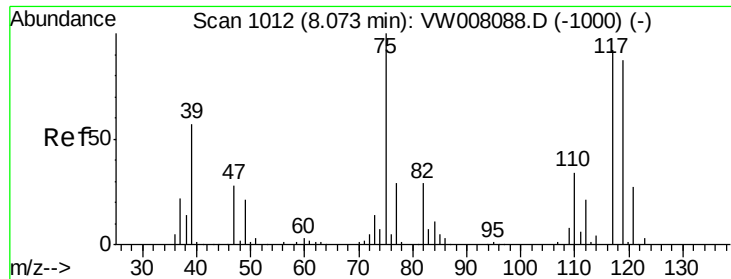
Ion Ratio Lower Upper

43 100

61 55.0 10.6 16.0#

70 32.2 8.9 13.3#

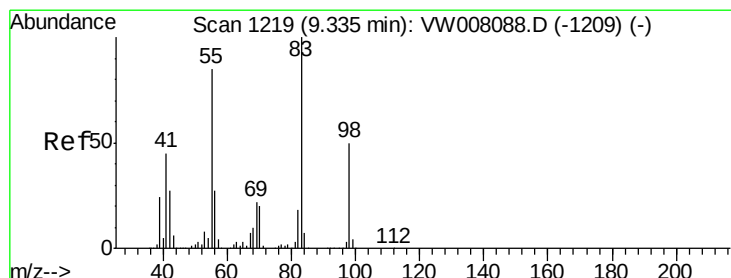
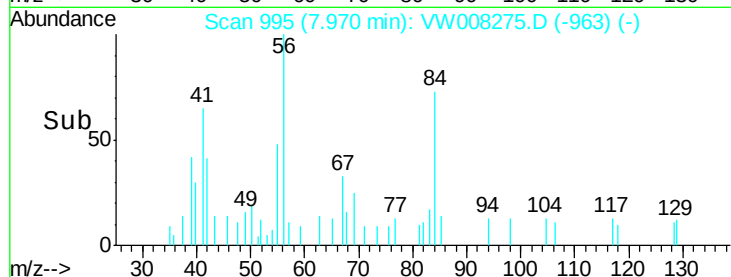
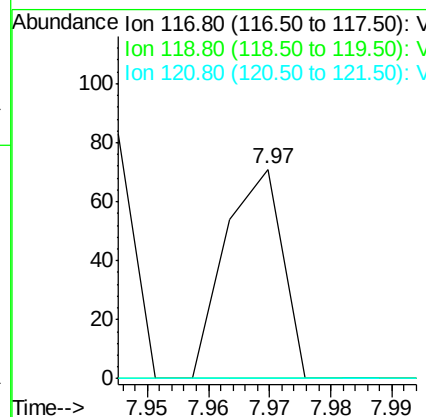
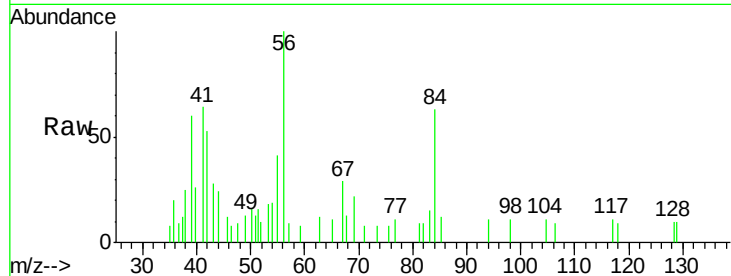




#38
Carbon Tetrachloride
Concen: 16.209 ug/l
RT: 7.97 min Scan# 995
Delta R.T. -0.10 min
Lab File: VW008275.D
Acq: 15 Jan 2019 09:38

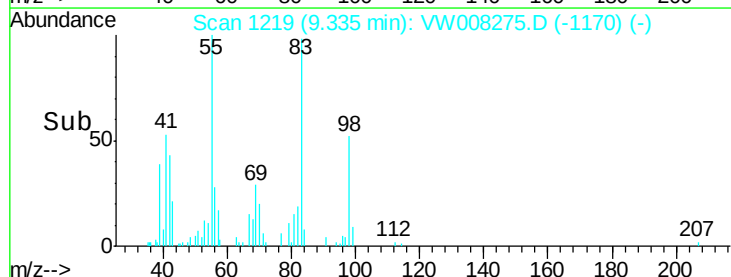
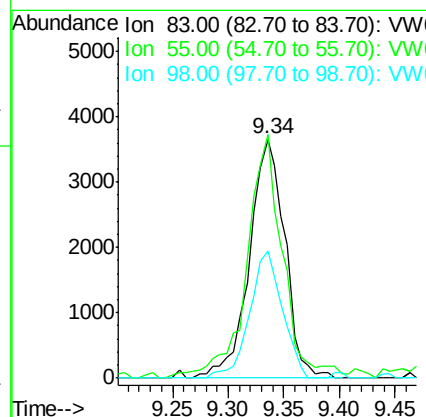
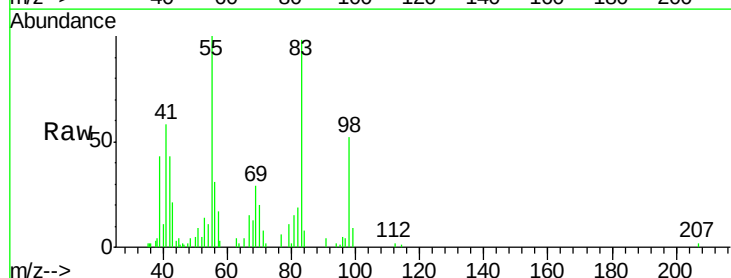
Instrument :
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CPSB-19(15-20)RE

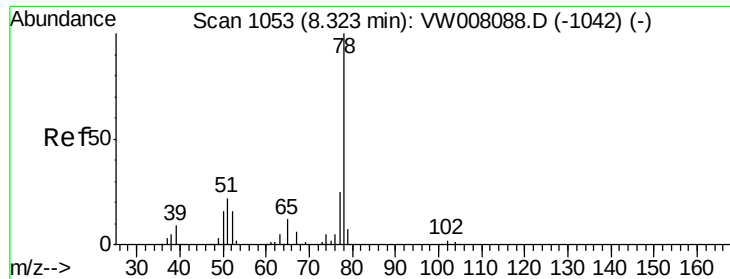
Tot Ion:117 Resp: 46
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 23.7 35.5#



#39
Methylcyclohexane
Concen: 2064.352 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008275.D
Acq: 15 Jan 2019 09:38

Tgt Ion: 83 Resp: 8116
Ion Ratio Lower Upper
83 100
55 100.1 67.8 101.6
98 53.1 40.2 60.4





#40

Benzene

Concen: 196.915 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

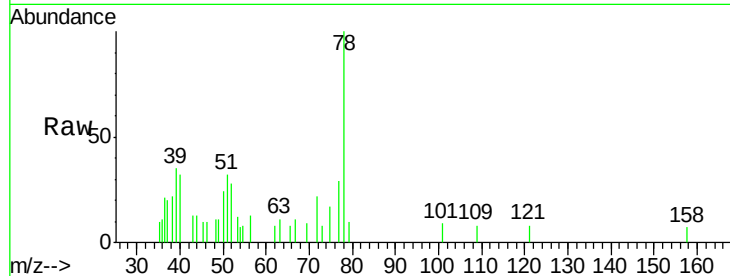
CPSB-19(15-20)RE

Tot Ion: 78 Resp: 1656

Ion Ratio Lower Upper

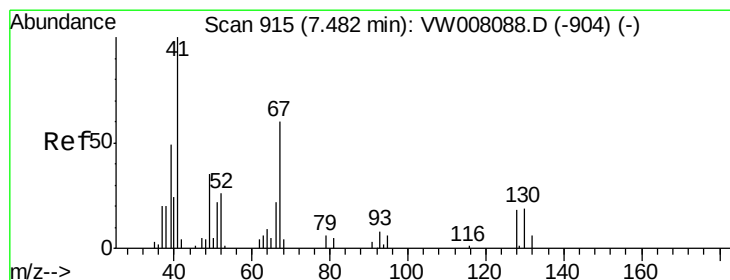
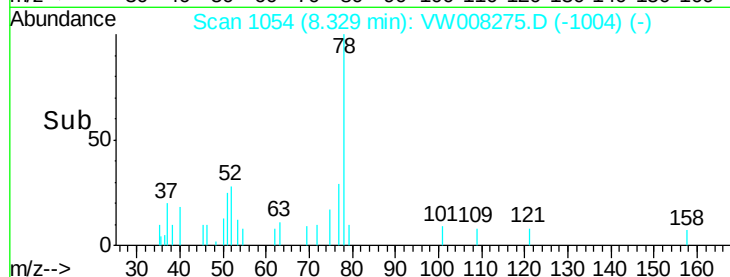
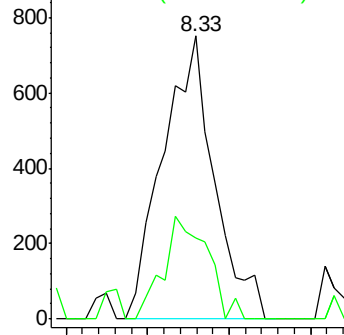
78 100

77 28.8 20.2 30.4



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#41

Methacrylonitrile

Concen: 155.476 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Tgt Ion: 41 Resp: 122

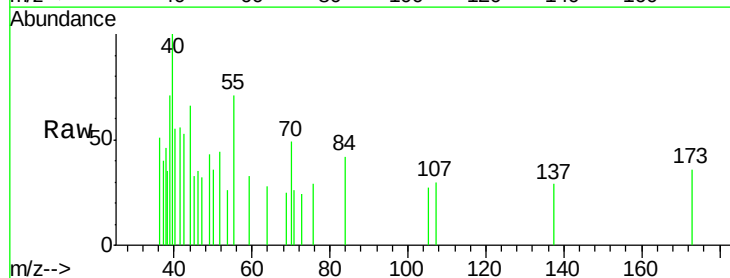
Ion Ratio Lower Upper

41 100

39 103.3 47.9 71.9#

67 19.7 56.3 84.5#

52 0.0 24.5 36.7#

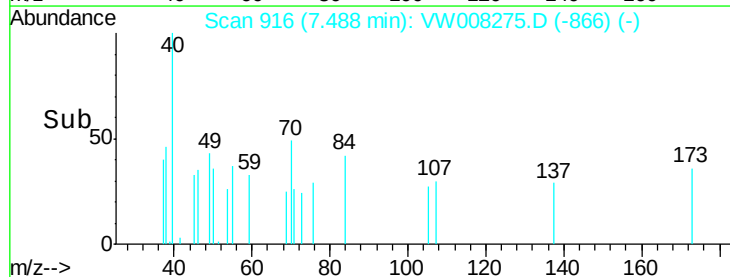
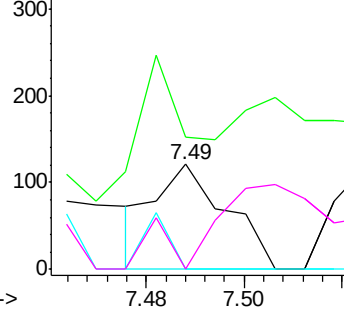


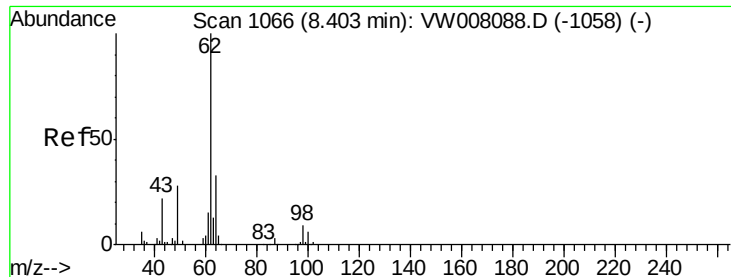
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#42

1,2-Dichloroethane

Concen: 55.385 ug/l

RT: 8.41 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

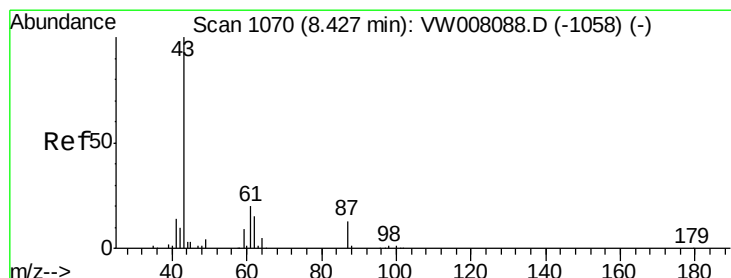
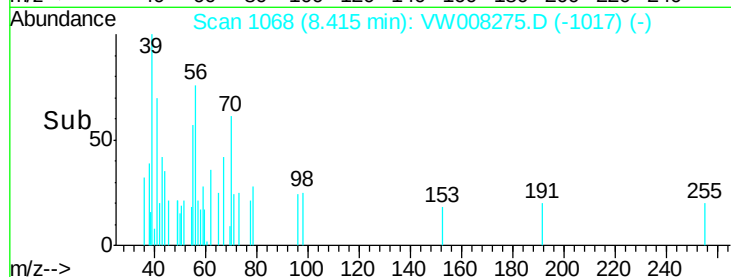
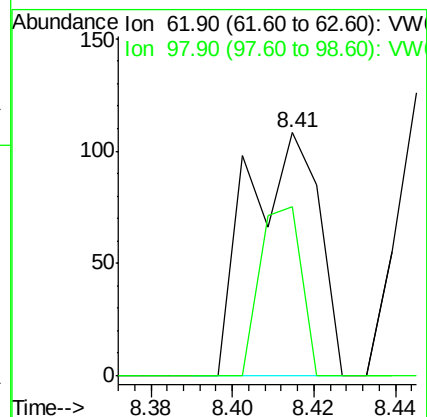
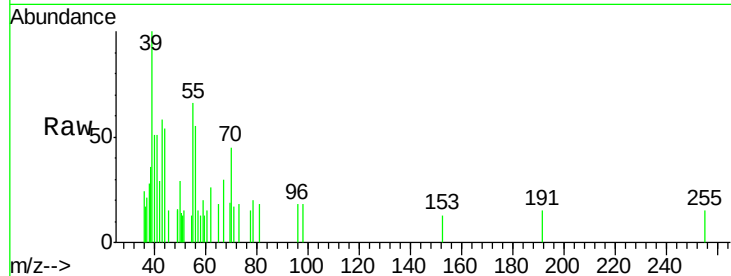
CPSB-19(15-20)RE

Tot Ion: 62 Resp: 131

Ion Ratio Lower Upper

62 100

98 40.5 0.0 18.6#



#43

Isopropyl Acetate

Concen: 82.138 ug/l

RT: 8.63 min Scan# 1103

Delta R.T. 0.20 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

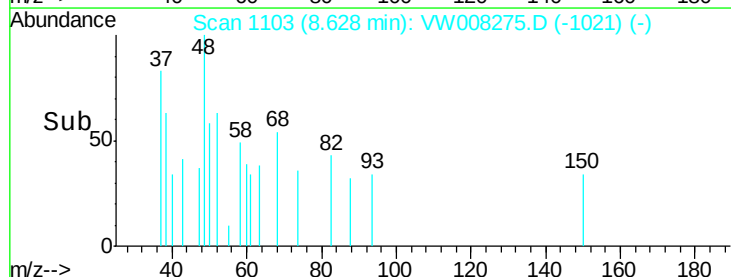
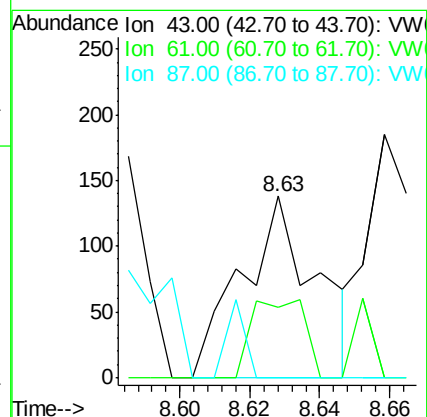
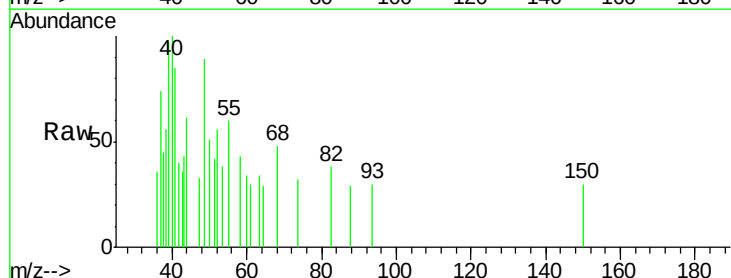
Tgt Ion: 43 Resp: 204

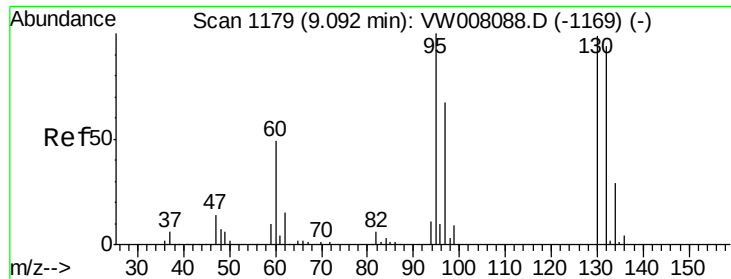
Ion Ratio Lower Upper

43 100

61 30.4 24.8 37.2

87 10.8 10.4 15.6





#44

Trichloroethene

Concen: 45.058 ug/l

RT: 9.10 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

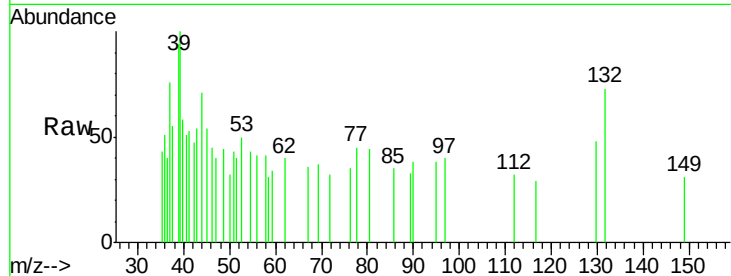
CPSB-19(15-20)RE

Tot Ion:130 Resp: 97

Ion Ratio Lower Upper

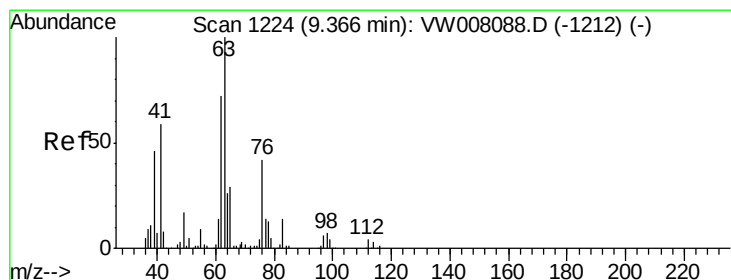
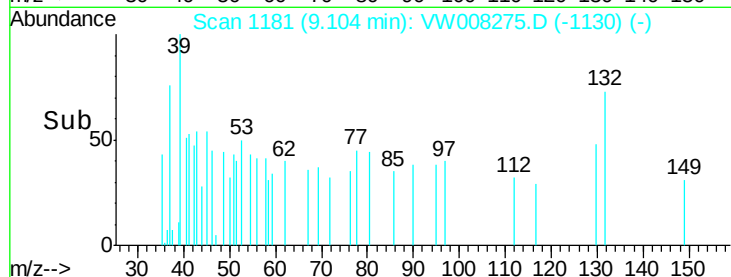
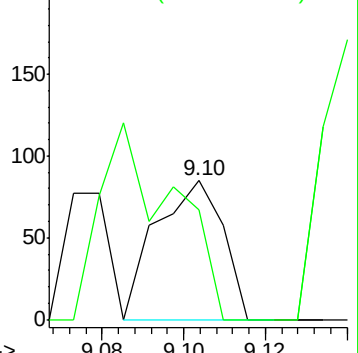
130 100

95 78.8 0.0 202.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 22.539 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008275.D

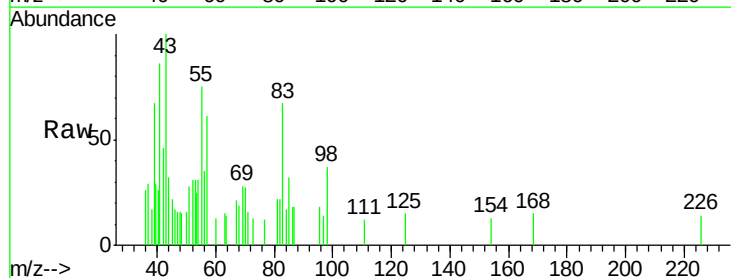
Acq: 15 Jan 2019 09:38

Tgt Ion: 63 Resp: 47

Ion Ratio Lower Upper

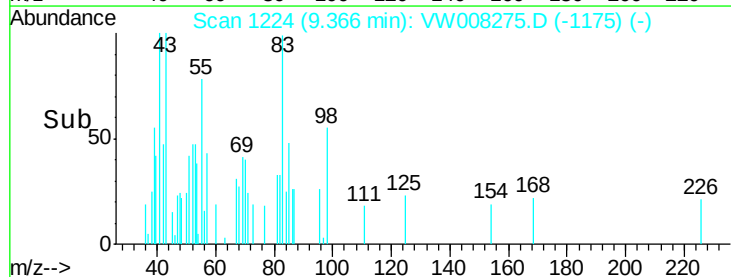
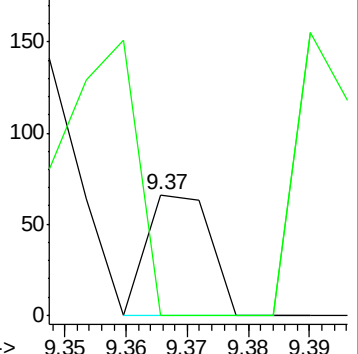
63 100

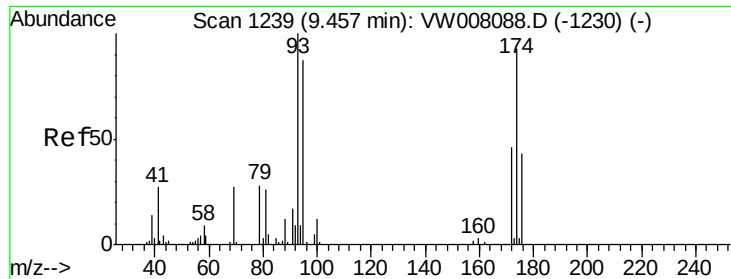
65 0.0 23.3 34.9#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW





#46

Dibromomethane

Concen: 24.412 ug/l

RT: 9.23 min Scan# 1202

Delta R.T. -0.23 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)RE

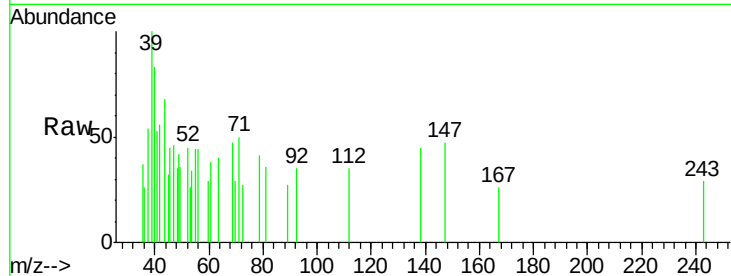
Tot Ion: 93 Resp: 25

Ion Ratio Lower Upper

93 100

95 80.0 67.5 101.3

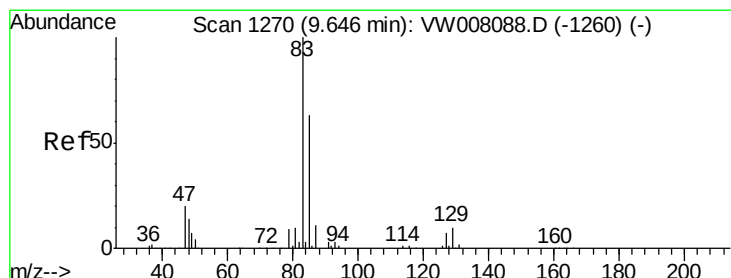
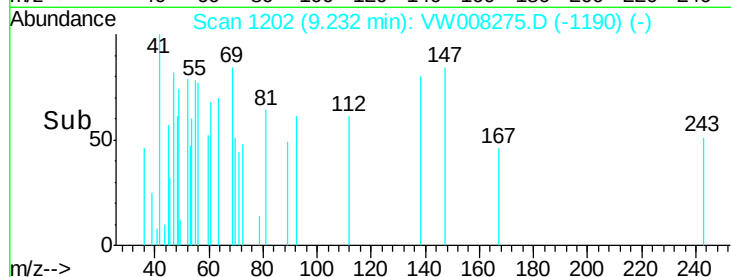
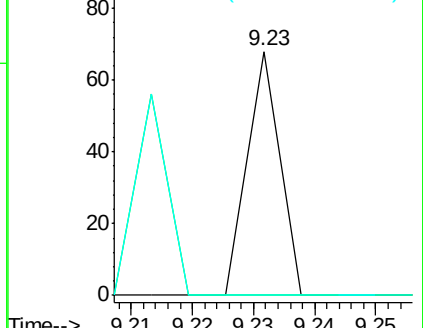
174 80.0 72.5 108.7



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 23.459 ug/l

RT: 9.66 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

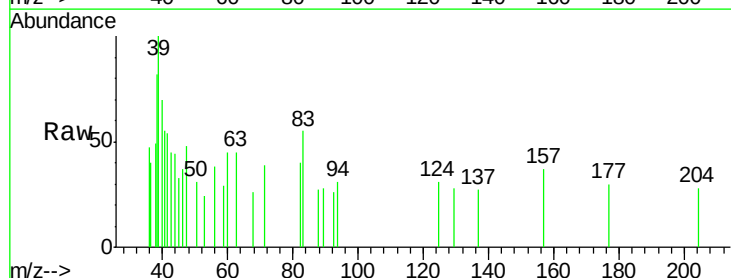
Tgt Ion: 83 Resp: 61

Ion Ratio Lower Upper

83 100

85 0.0 50.7 76.1#

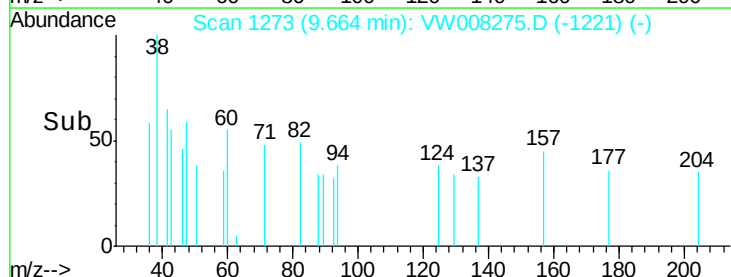
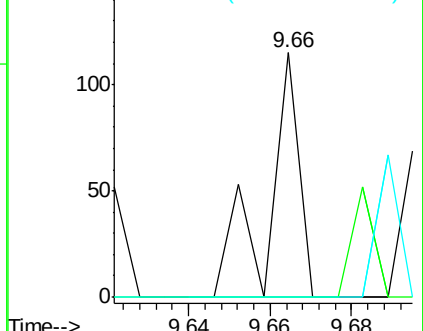
127 0.0 6.0 9.0#

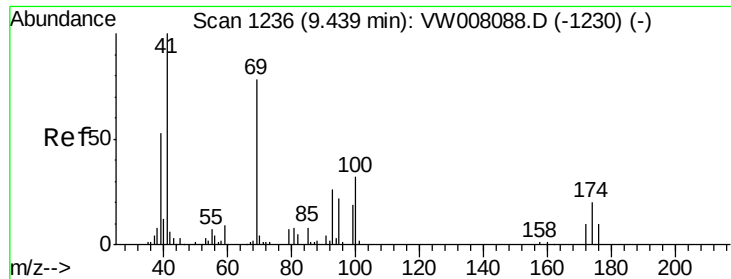


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

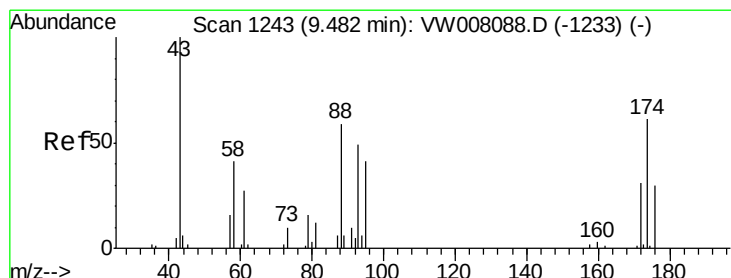
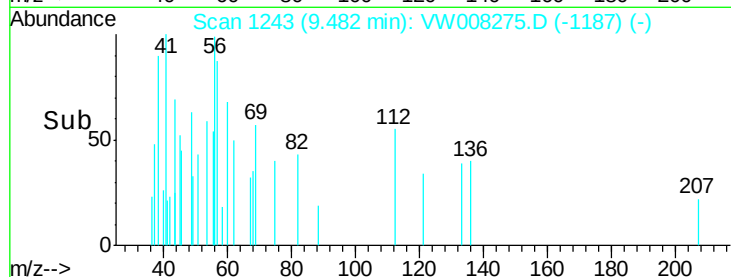
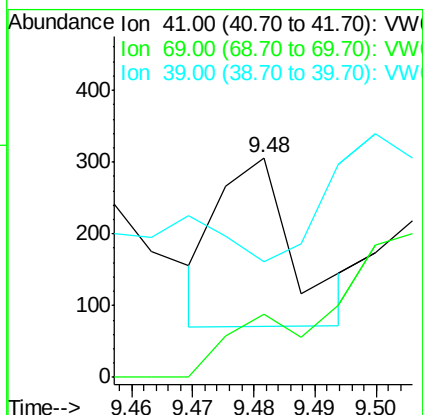
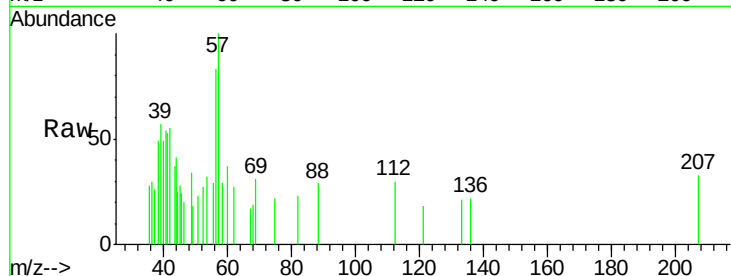




#48
Methyl methacrylate
Concen: 171.513 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.04 min
Lab File: VW008275.D
Acq: 15 Jan 2019 09:38

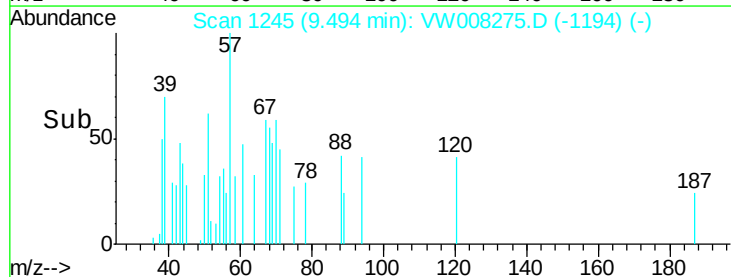
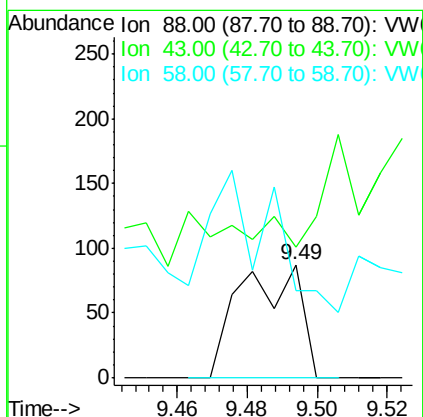
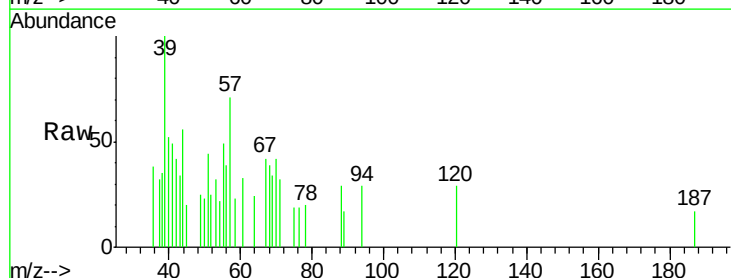
Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)RE

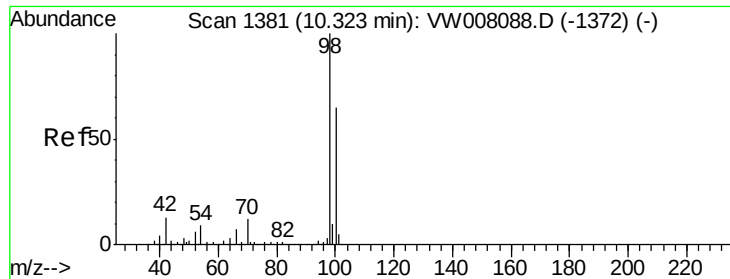
Tot Ion: 41 Resp: 201
Ion Ratio Lower Upper
41 100
69 0.0 61.9 92.9#
39 67.2 43.0 64.4#



#49
1,4-Dioxane
Concen: 6375.604 ug/l
RT: 9.49 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VW008275.D
Acq: 15 Jan 2019 09:38

Tgt Ion: 88 Resp: 105
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 113.3 61.7 92.5#





#50

Toluene-d8

Concen: 117.552 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

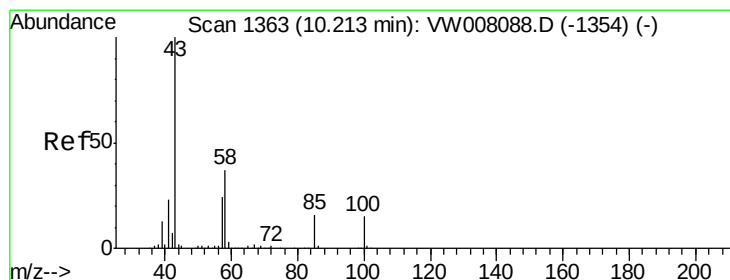
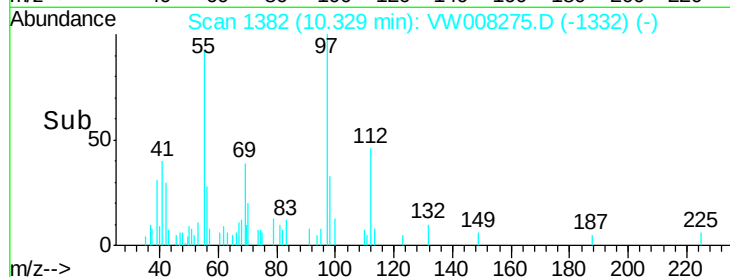
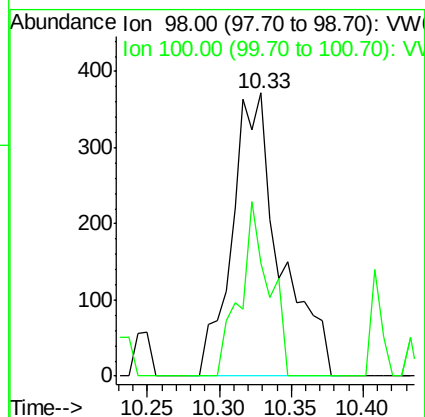
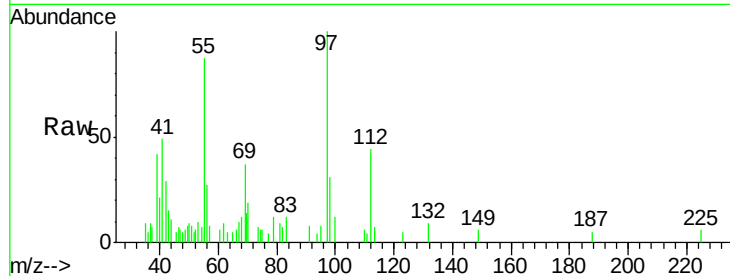
CPSB-19(15-20)RE

Tot Ion: 98 Resp: 866

Ion Ratio Lower Upper

98 100

100 36.7 51.7 77.5#



#51

4-Methyl-2-Pentanone

Concen: 124.770 ug/l

RT: 10.16 min Scan# 1354

Delta R.T. -0.06 min

Lab File: VW008275.D

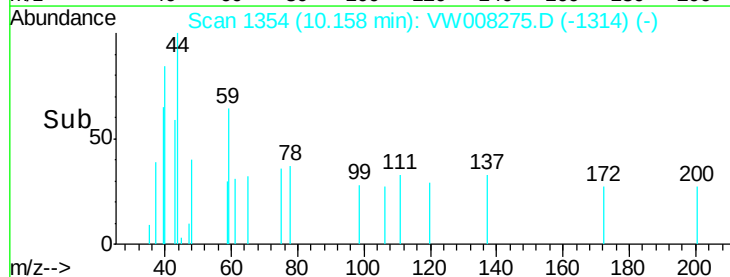
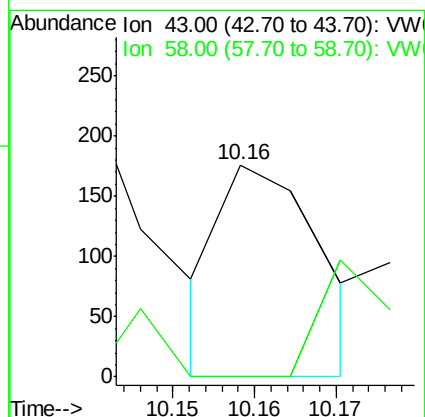
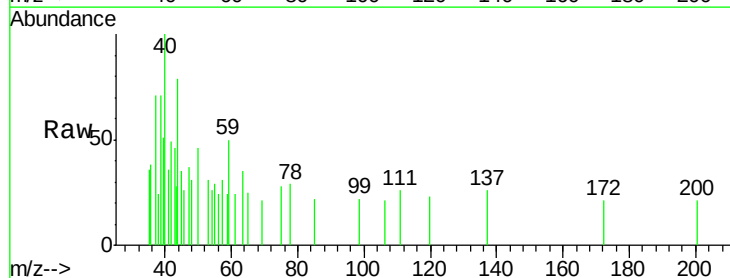
Acq: 15 Jan 2019 09:38

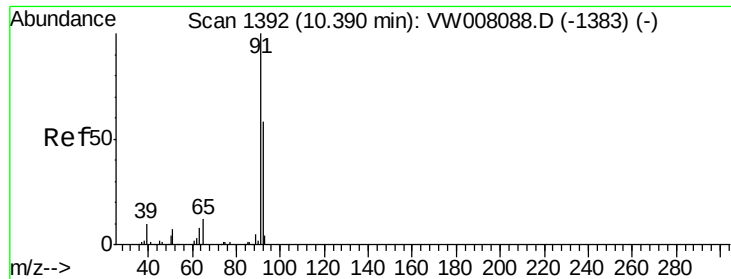
Tgt Ion: 43 Resp: 150

Ion Ratio Lower Upper

43 100

58 37.3 30.6 46.0





#52

Toluene

Concen: 330.120 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

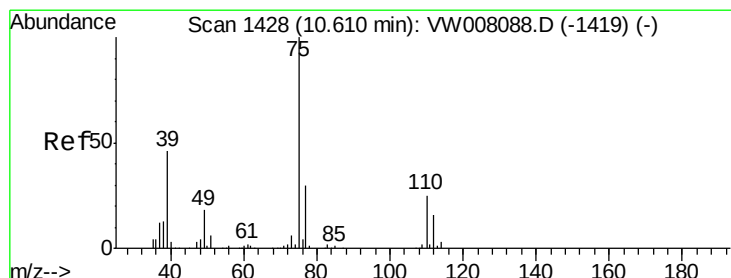
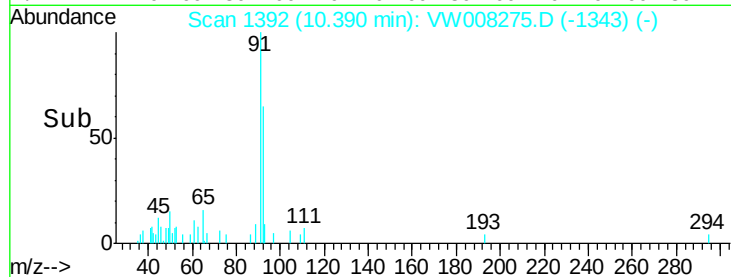
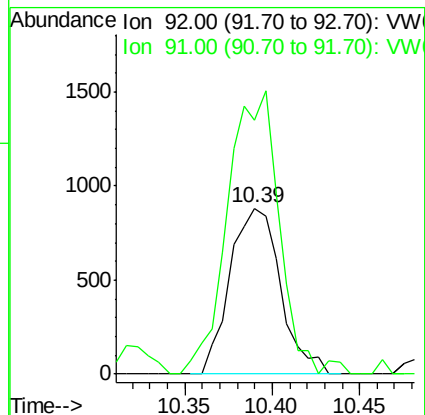
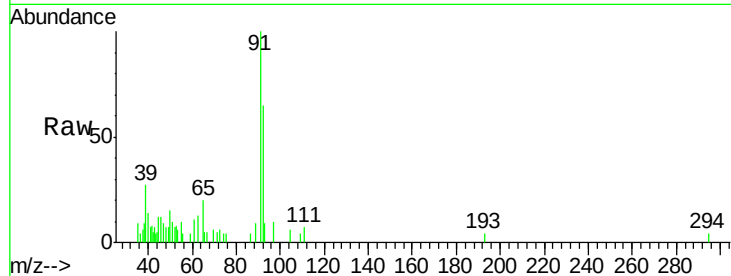
CPSB-19(15-20)RE

Tot Ion: 92 Resp: 1773

Ion Ratio Lower Upper

92 100

91 173.8 137.0 205.4



#53

t-1,3-Dichloropropene

Concen: 16.267 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW008275.D

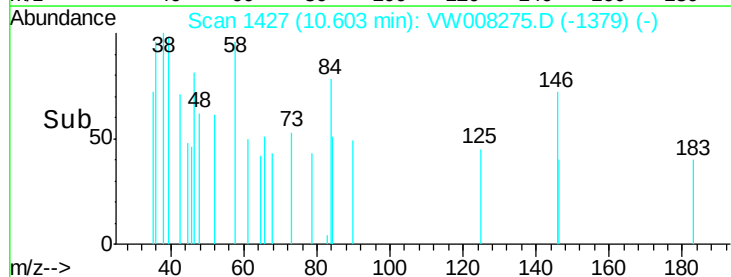
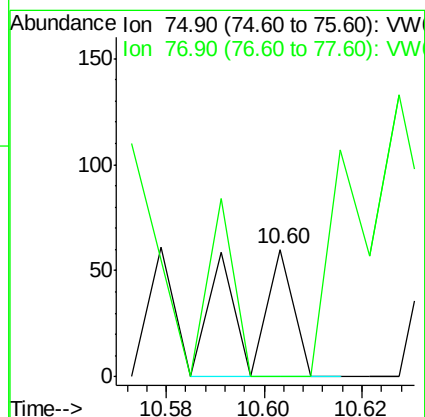
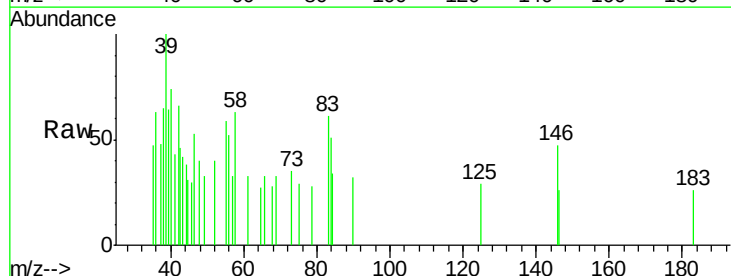
Acq: 15 Jan 2019 09:38

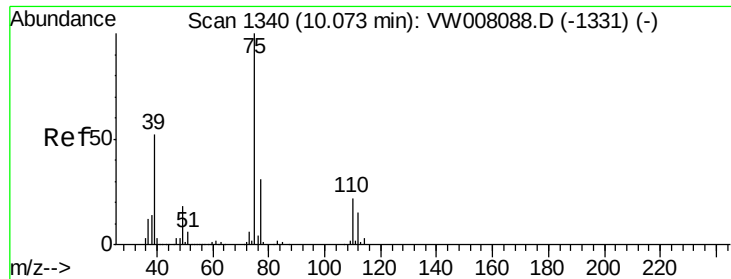
Tgt Ion: 75 Resp: 44

Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#





#54

cis-1,3-Dichloropropene

Concen: 34.296 ug/l

RT: 10.10 min Scan# 1344

Delta R.T. 0.02 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)RE

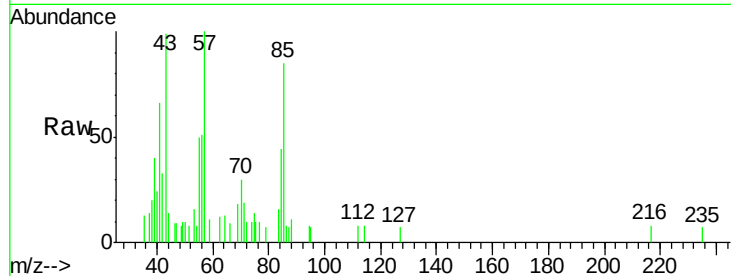
Tot Ion: 75 Resp: 110

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

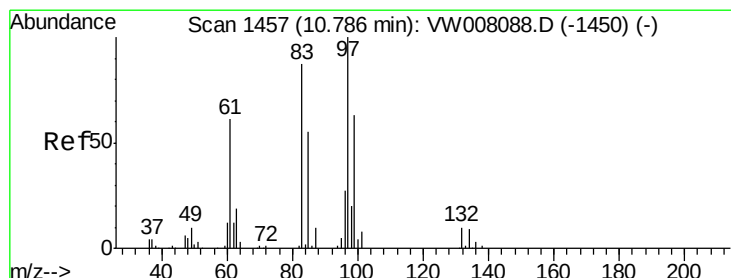
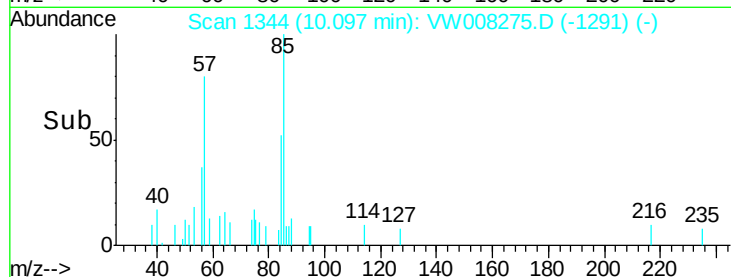
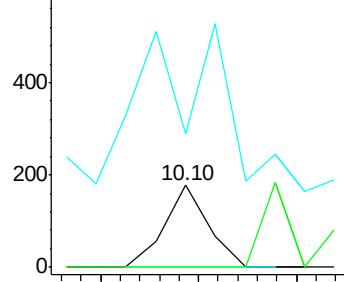
39 23.7 41.4 62.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



#55

1,1,2-Trichloroethane

Concen: 815.828 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Tgt Ion: 97 Resp: 1173

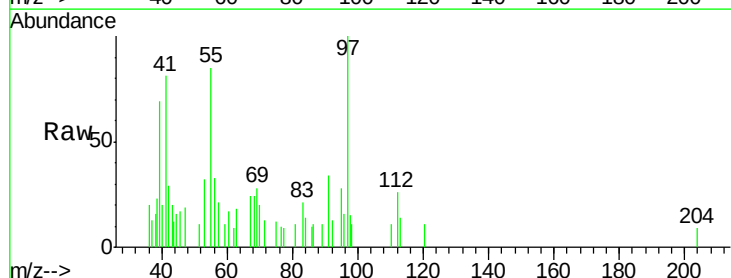
Ion Ratio Lower Upper

97 100

83 12.0 69.3 103.9#

85 0.0 43.8 65.6#

99 0.0 50.0 75.0#

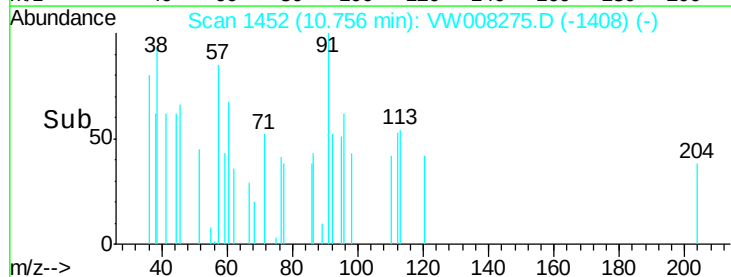
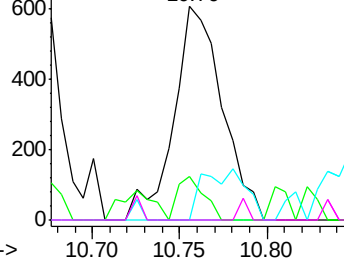


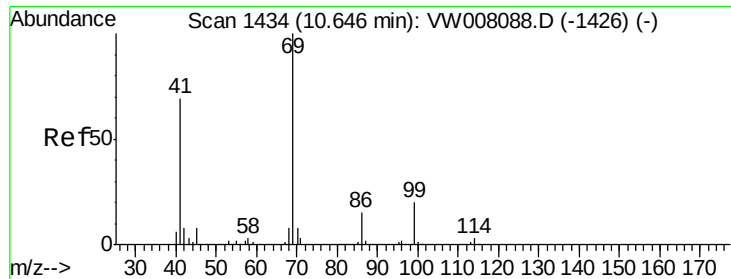
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW





#56

Ethyl methacrylate

Concen: 394.251 ug/l

RT: 10.67 min Scan# 1438

Delta R.T. 0.02 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)RE

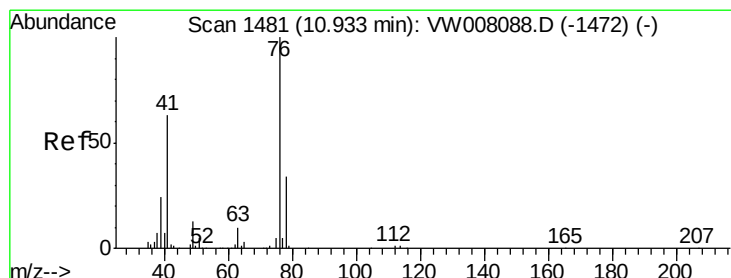
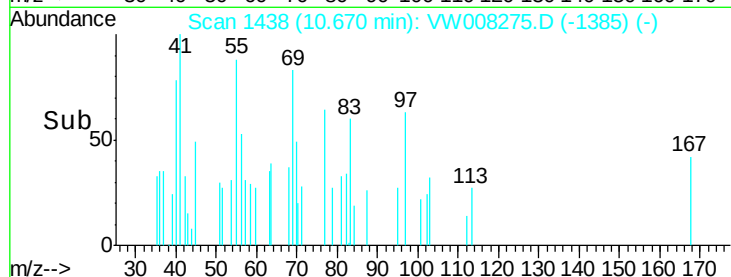
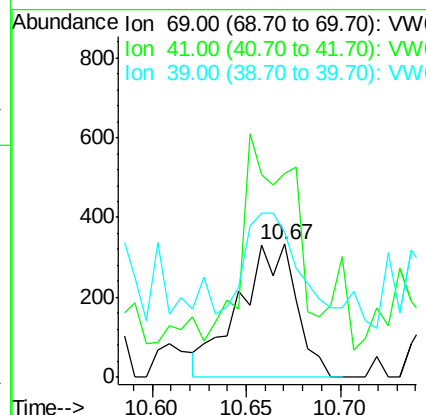
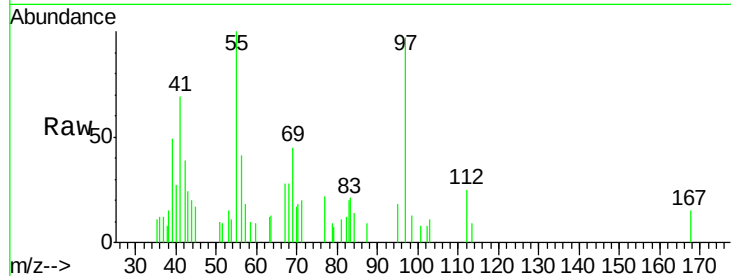
Tot Ion: 69 Resp: 702

Ion Ratio Lower Upper

69 100

41 132.5 56.4 84.6#

39 92.2 28.1 42.1#



#57

1,3-Dichloropropane

Concen: 30.804 ug/l

RT: 11.07 min Scan# 1503

Delta R.T. 0.13 min

Lab File: VW008275.D

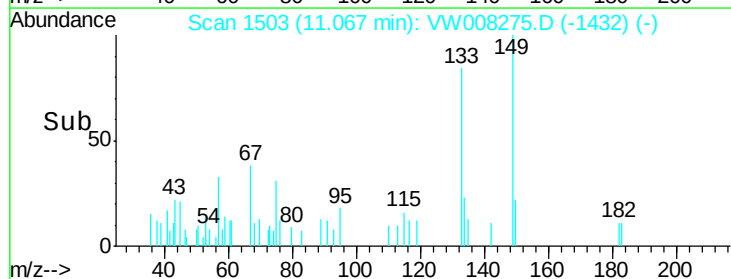
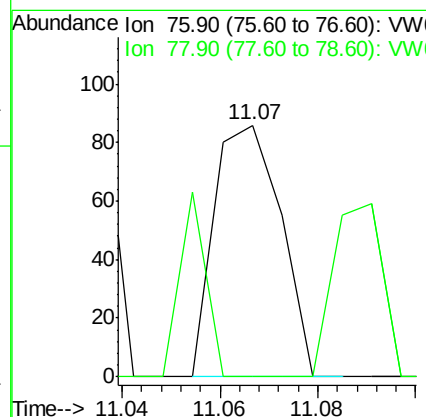
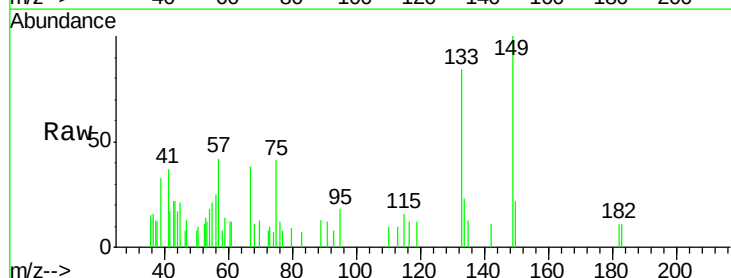
Acq: 15 Jan 2019 09:38

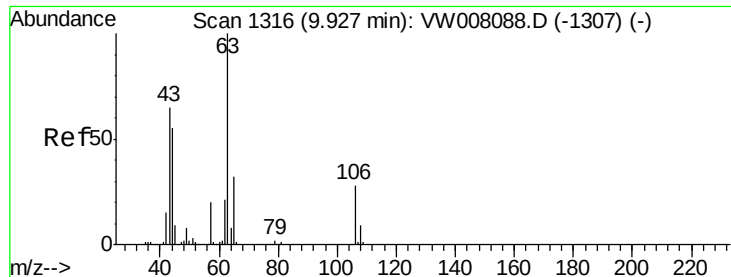
Tgt Ion: 76 Resp: 81

Ion Ratio Lower Upper

76 100

78 28.4 25.7 38.5

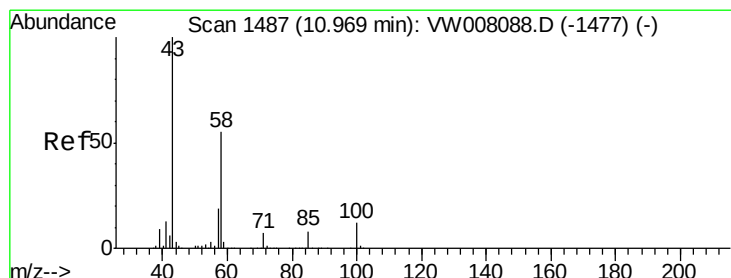
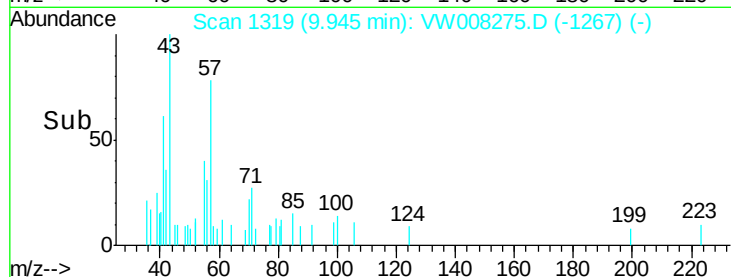
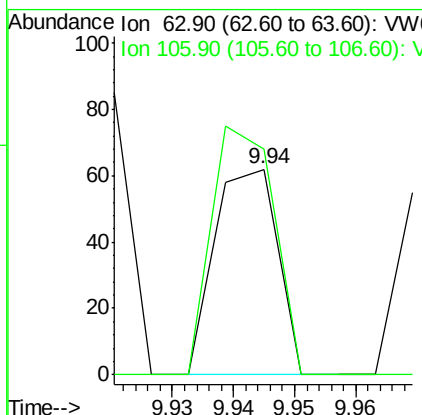
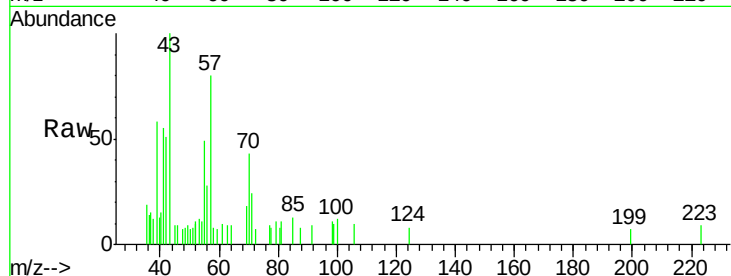




#58
2-Chloroethyl Vinyl ether
Concen: 47.838 ug/l
RT: 9.94 min Scan# 1319
Delta R.T. 0.02 min
Lab File: VW008275.D
Acq: 15 Jan 2019 09:38

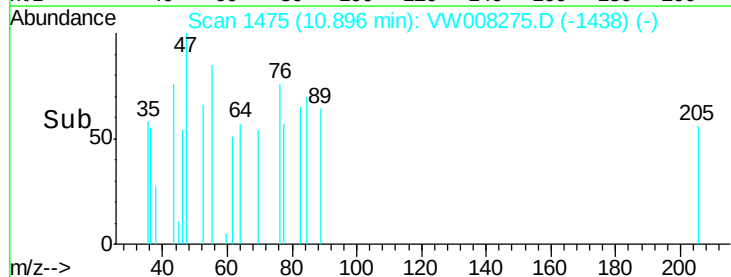
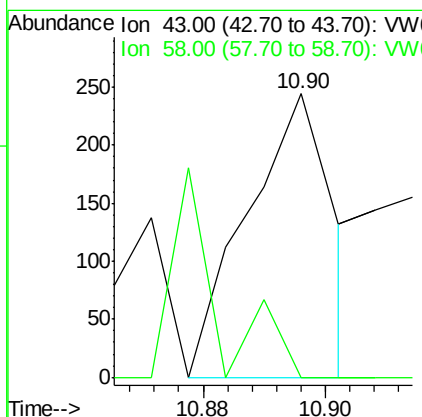
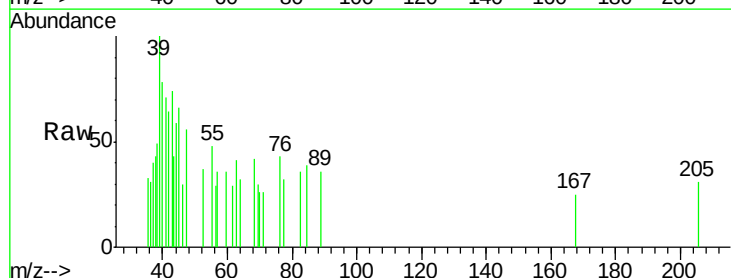
Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)RE

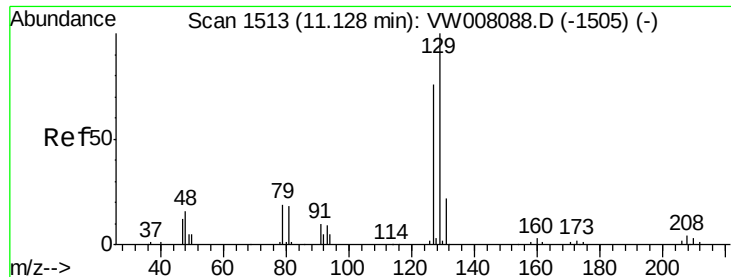
Tot Ion: 63 Resp: 44
Ion Ratio Lower Upper
63 100
106 118.2 21.8 32.6#



#59
2-Hexanone
Concen: 293.976 ug/l
RT: 10.90 min Scan# 1475
Delta R.T. -0.07 min
Lab File: VW008275.D
Acq: 15 Jan 2019 09:38

Tgt Ion: 43 Resp: 239
Ion Ratio Lower Upper
43 100
58 38.1 27.2 81.5





#60

Dibromochloromethane

Concen: 12.667 ug/l

RT: 11.04 min Scan# 1498

Delta R.T. -0.09 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

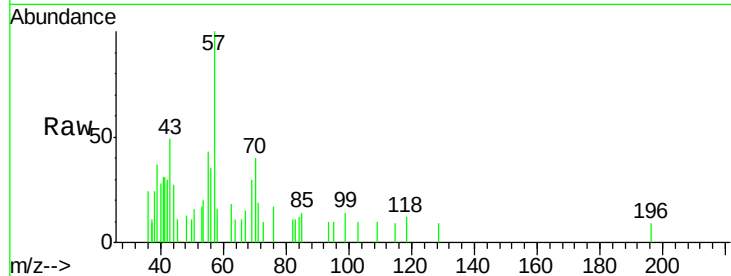
CPSB-19(15-20)RE

Tot Ion:129 Resp: 20

Ion Ratio Lower Upper

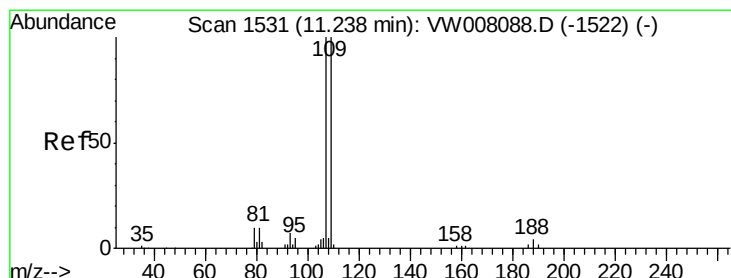
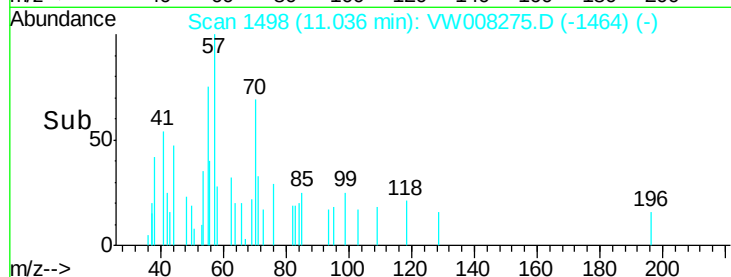
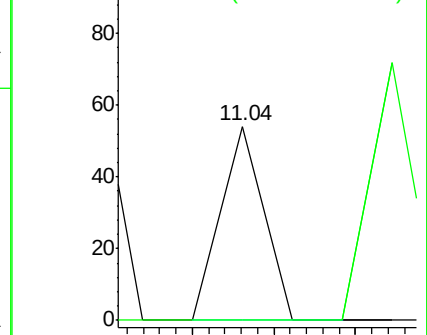
129 100

127 130.0 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 41.047 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008275.D

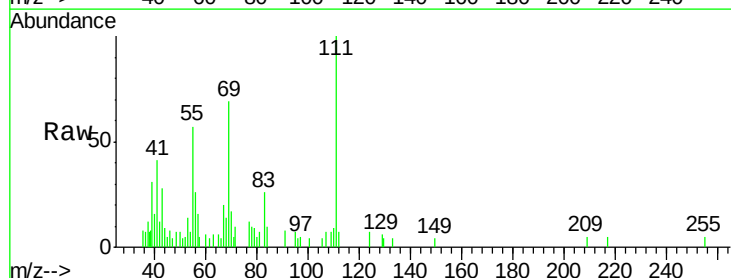
Acq: 15 Jan 2019 09:38

Tgt Ion:107 Resp: 56

Ion Ratio Lower Upper

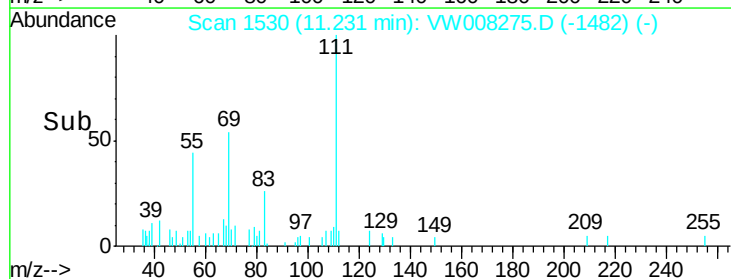
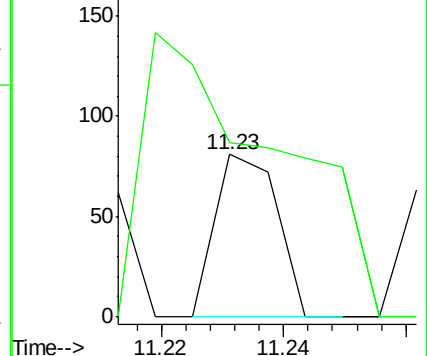
107 100

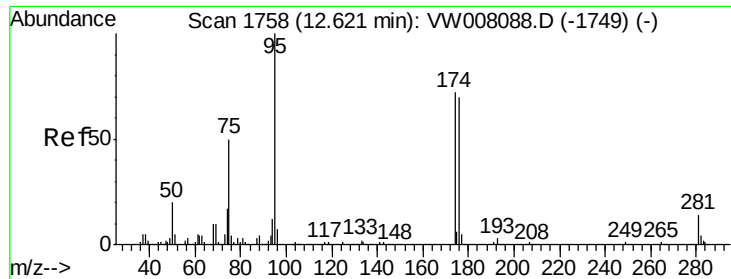
109 387.5 75.9 113.9#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 246.494 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)RE

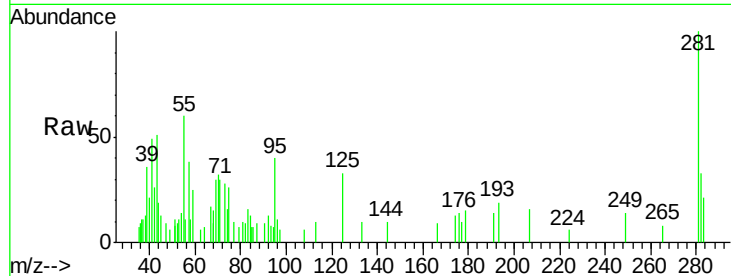
Tot Ion: 95 Resp: 651

Ion Ratio Lower Upper

95 100

174 23.5 0.0 143.0

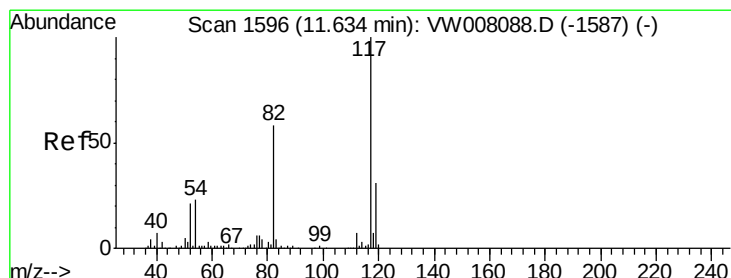
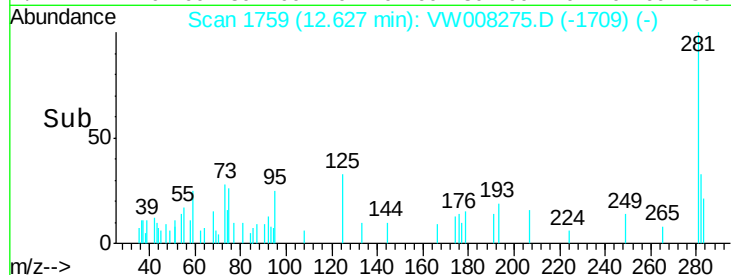
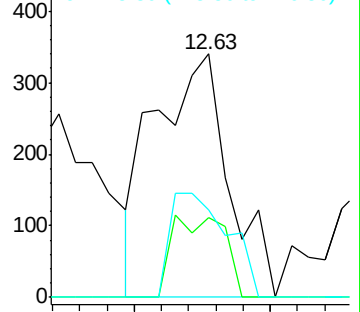
176 33.2 0.0 140.2



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: VW008275.D

Acq: 15 Jan 2019 09:38

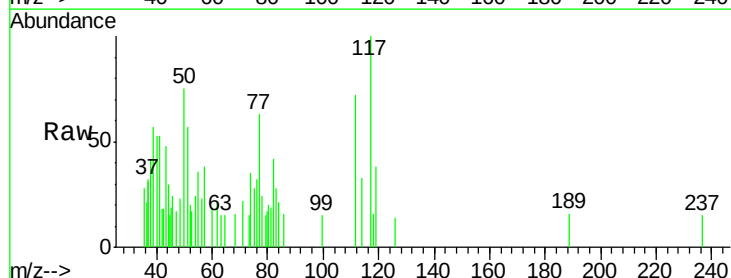
Tgt Ion: 117 Resp: 445

Ion Ratio Lower Upper

117 100

82 25.1 46.4 69.6#

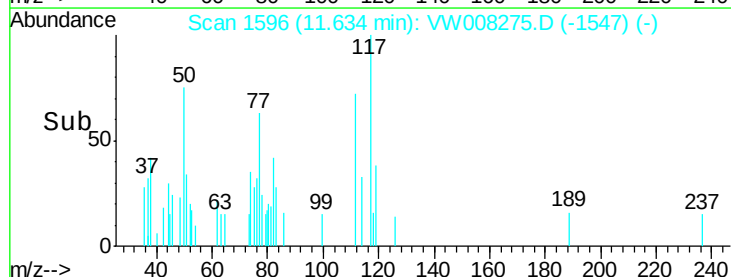
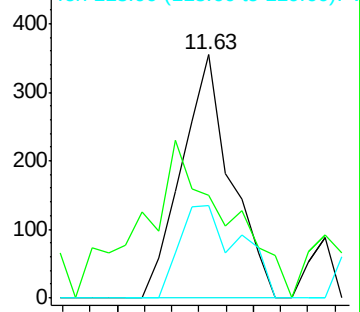
119 38.0 24.7 37.1#

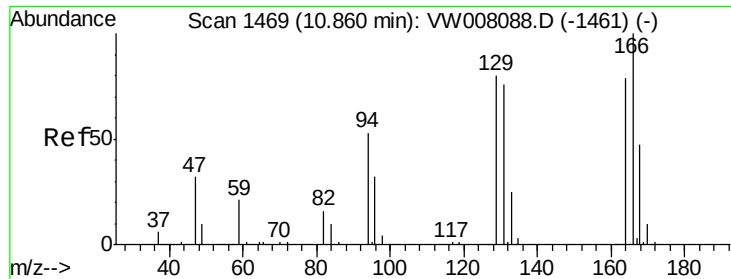


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 58.701 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)RE

Tot Ion:164 Resp: 170

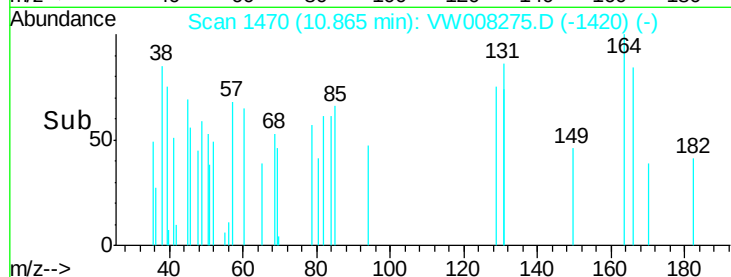
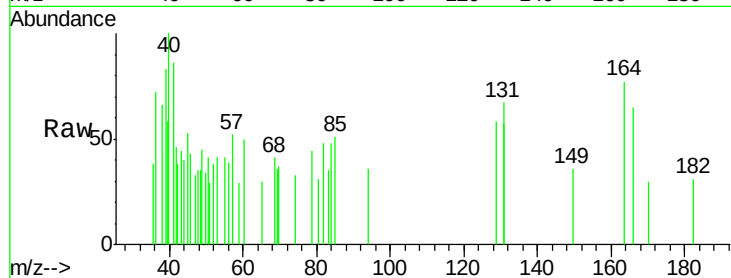
Ion Ratio Lower Upper

164 100

166 83.6 100.7 151.1#

129 75.0 81.0 121.4#

131 160.7 76.1 114.1#

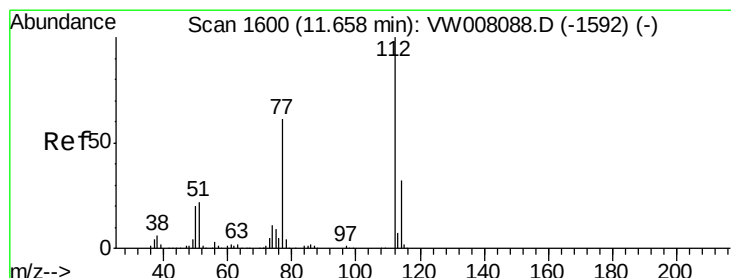
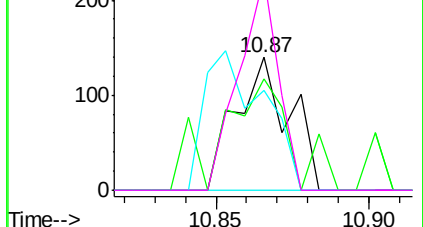


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 771.455 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008275.D

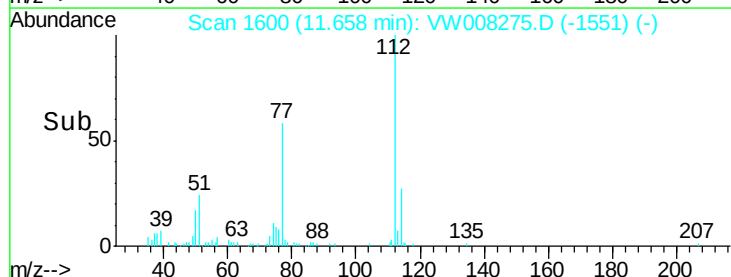
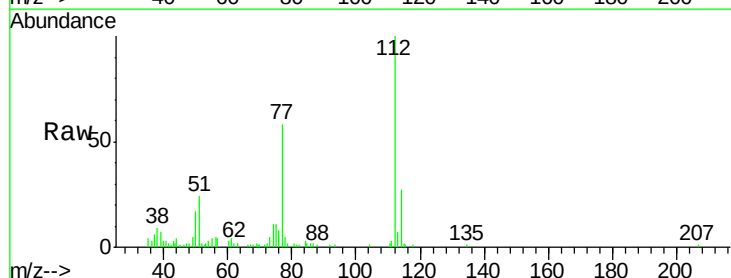
Acq: 15 Jan 2019 09:38

Tgt Ion:112 Resp: 7273

Ion Ratio Lower Upper

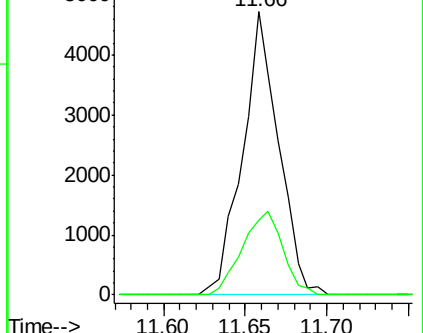
112 100

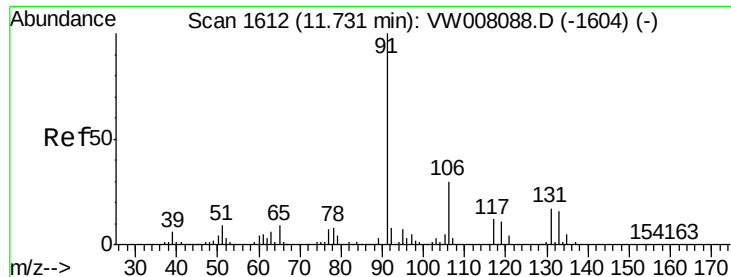
114 26.5 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

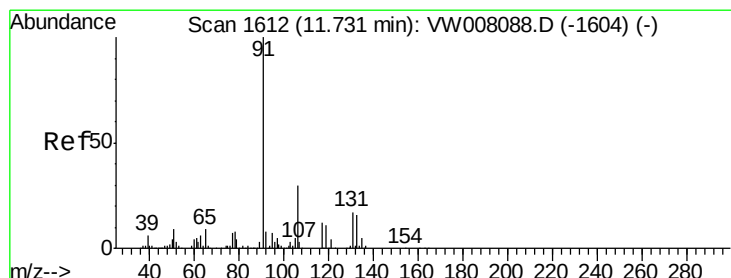
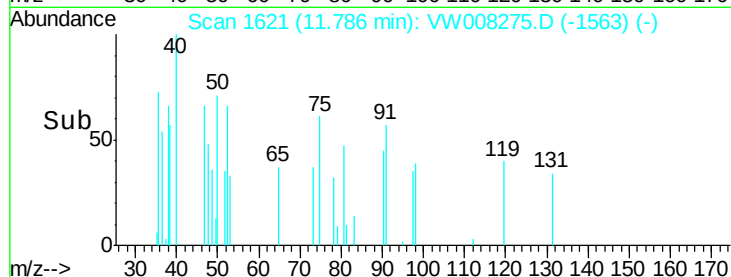
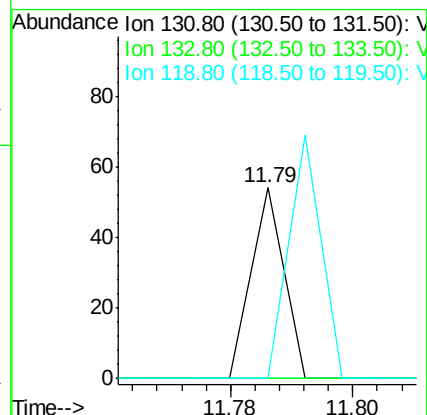
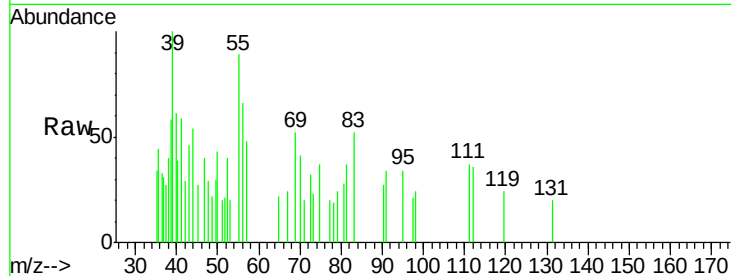




#66
 1,1,1,2-Tetrachloroethane
 Concen: 6.522 ug/l
 RT: 11.79 min Scan# 1621
 Delta R.T. 0.05 min
 Lab File: VW008275.D
 Acq: 15 Jan 2019 09:38

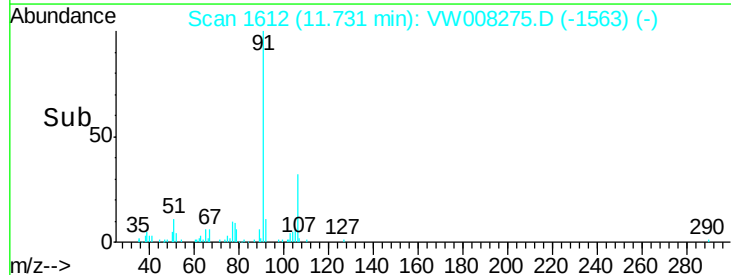
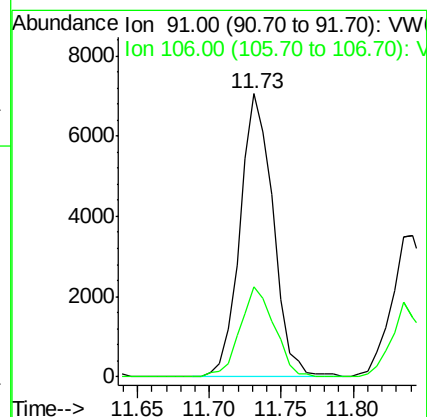
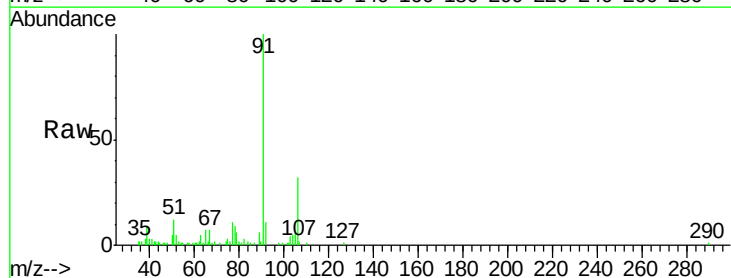
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)RE

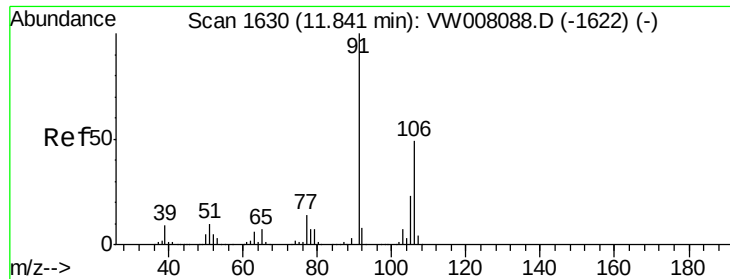
Tot Ion:131 Resp: 20
 Ion Ratio Lower Upper
 131 100
 133 0.0 47.9 143.7#
 119 125.0 32.5 97.4#



#67
 Ethyl Benzene
 Concen: 652.521 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW008275.D
 Acq: 15 Jan 2019 09:38

Tgt Ion: 91 Resp: 11256
 Ion Ratio Lower Upper
 91 100
 106 31.7 24.2 36.4

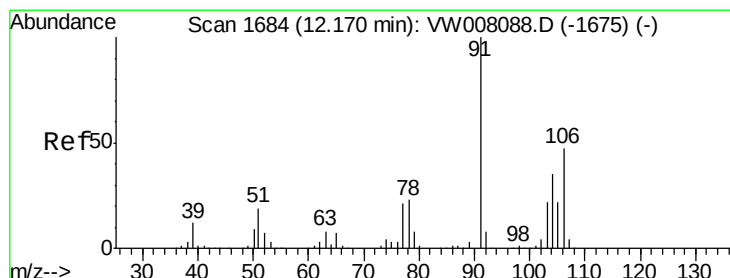
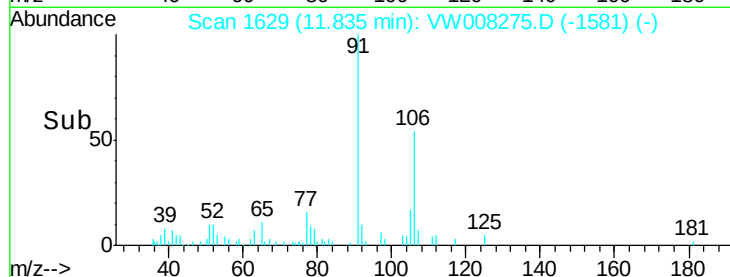
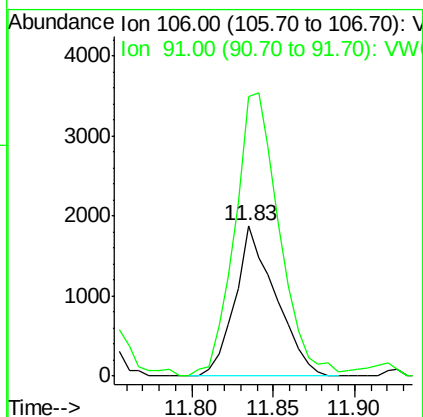
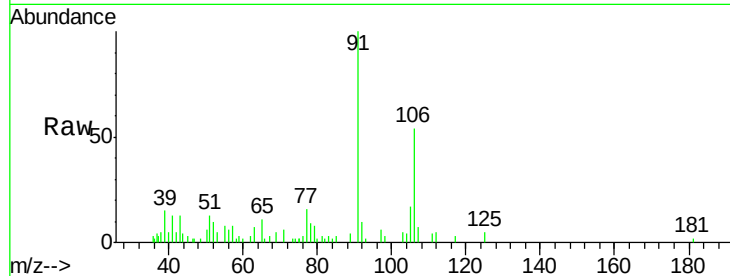




#68
m/p-Xylenes
Concen: 491.485 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008275.D
Acq: 15 Jan 2019 09:38

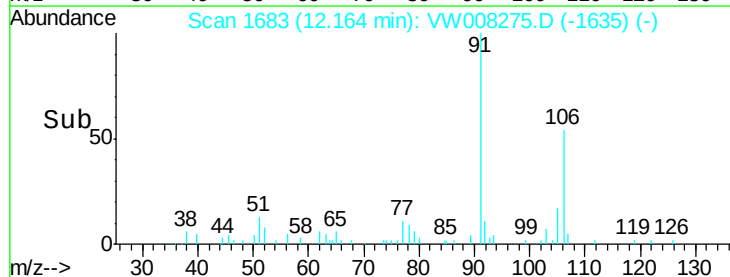
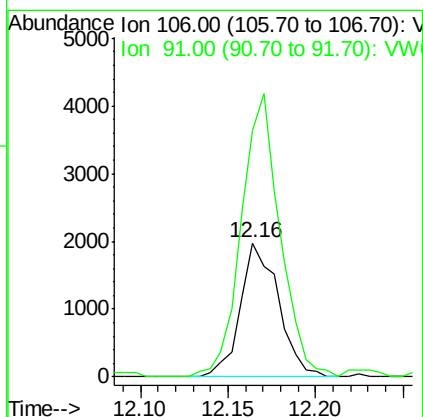
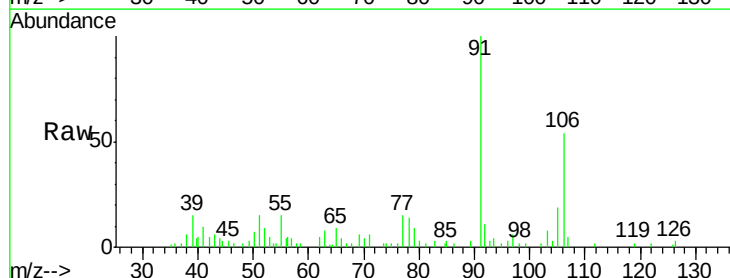
Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)RE

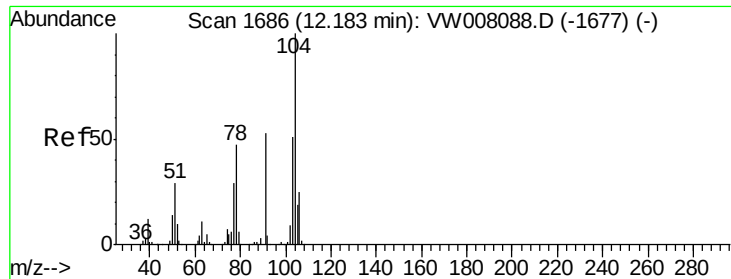
Tot Ion:106 Resp: 3236
Ion Ratio Lower Upper
106 100
91 208.4 162.4 243.6



#69
o-Xylene
Concen: 491.539 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008275.D
Acq: 15 Jan 2019 09:38

Tgt Ion:106 Resp: 2997
Ion Ratio Lower Upper
106 100
91 214.6 107.8 323.6





#70

Stvrene

Concen: 31.099 ug/l

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)RE

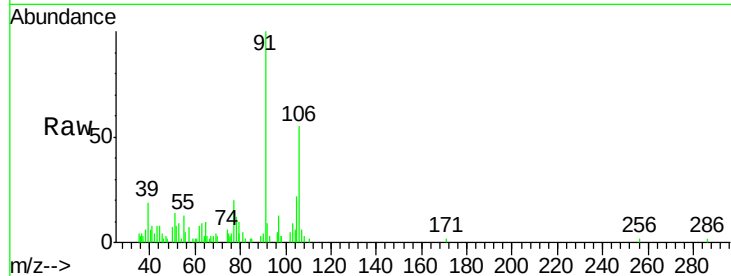
Tot Ion:104 Resp: 297

Ion Ratio Lower Upper

104 100

78 252.9 41.8 62.8#

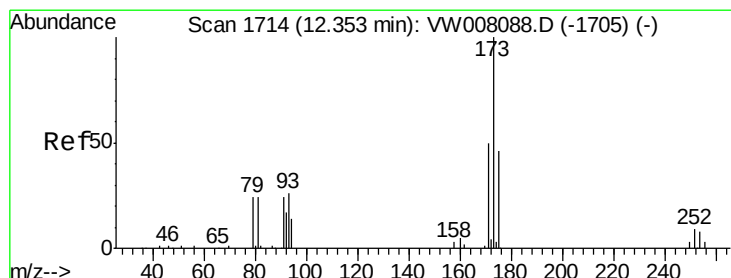
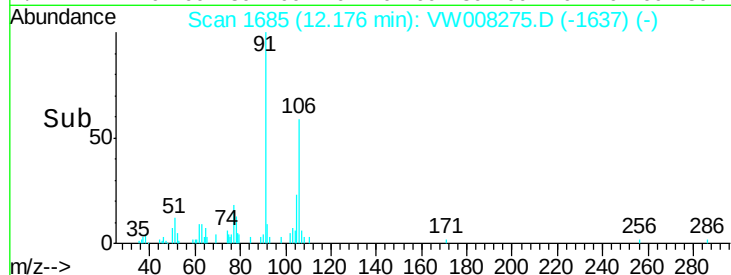
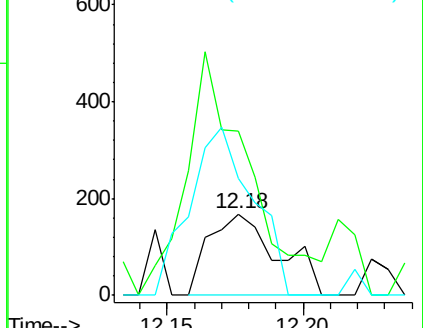
103 189.2 43.8 65.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 14.573 ug/l

RT: 12.46 min Scan# 1731

Delta R.T. 0.10 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

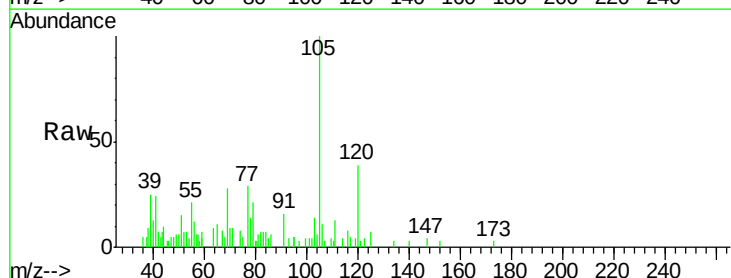
Tgt Ion:173 Resp: 20

Ion Ratio Lower Upper

173 100

175 0.0 23.3 69.8#

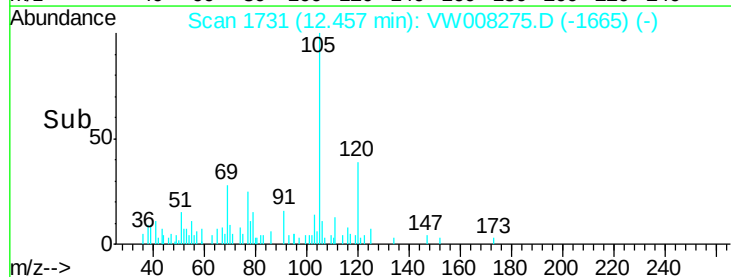
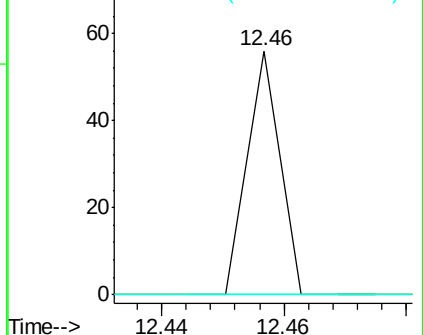
254 0.0 0.0 0.0

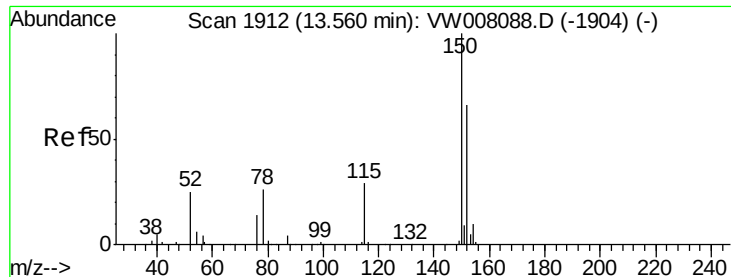


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)RE

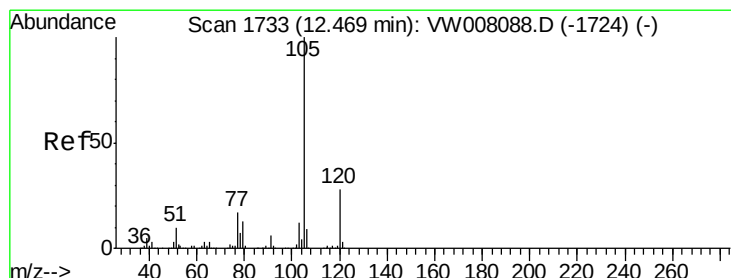
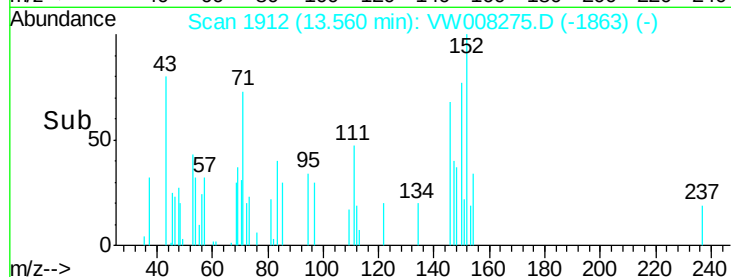
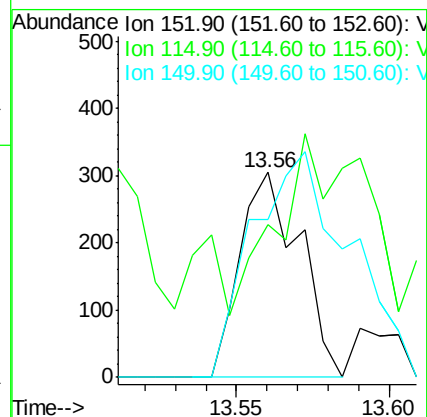
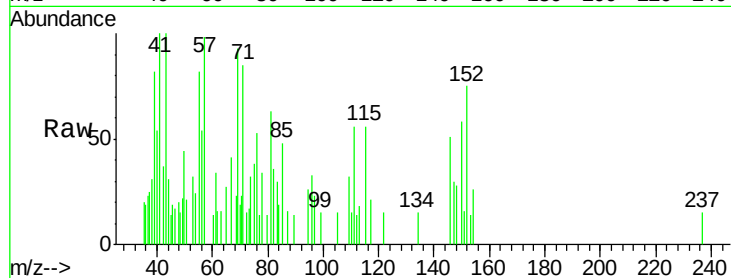
Tot Ion:152 Resp: 412

Ion Ratio Lower Upper

152 100

115 211.9 30.8 92.4#

150 178.2 0.0 350.2



#73

Isopropylbenzene

Concen: 163.298 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008275.D

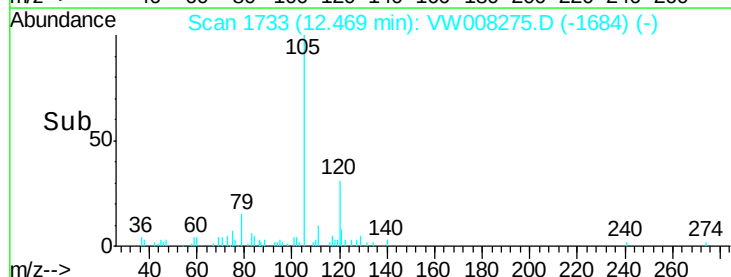
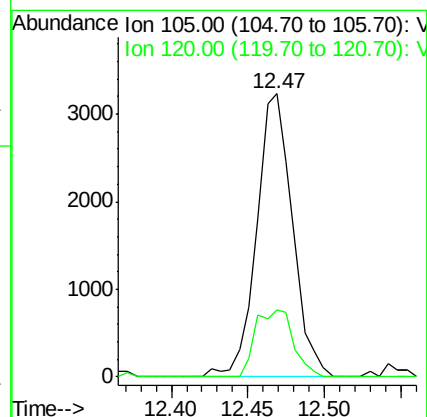
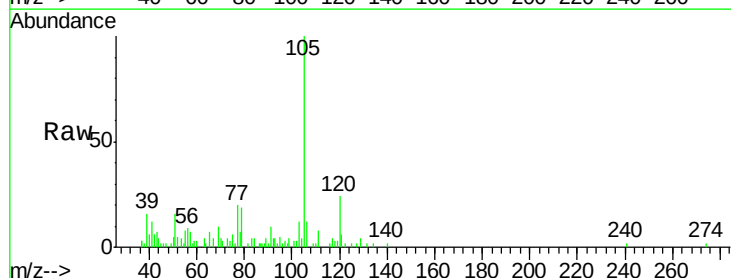
Acq: 15 Jan 2019 09:38

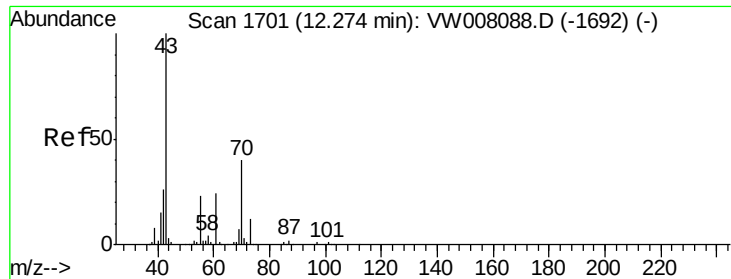
Tgt Ion:105 Resp: 5282

Ion Ratio Lower Upper

105 100

120 25.1 13.6 40.8





#74

N-amyl acetate

Concen: 255.474 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)RE

Tot Ion: 43 Resp: 1830

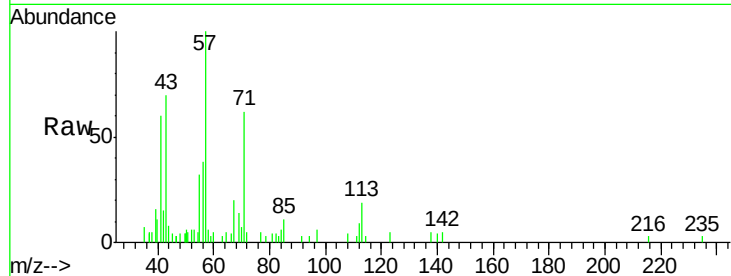
Ion Ratio Lower Upper

43 100

70 0.0 32.4 48.6#

55 0.0 18.7 28.1#

61 1.3 19.0 28.6#

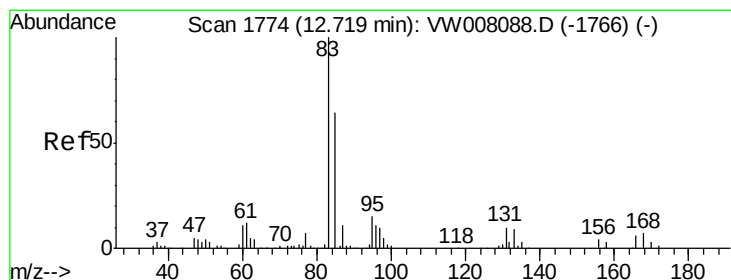
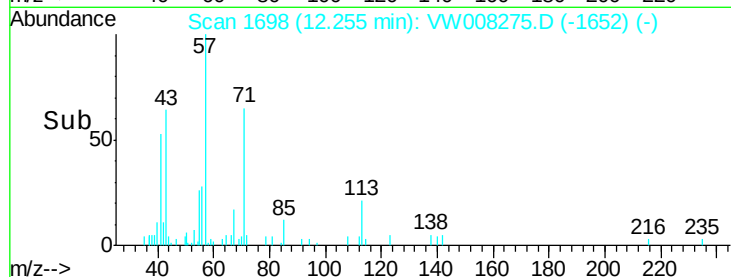
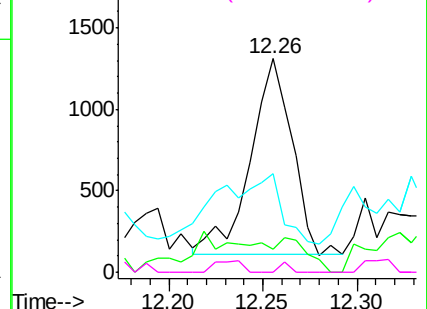


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 85.564 ug/l

RT: 12.79 min Scan# 1785

Delta R.T. 0.07 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

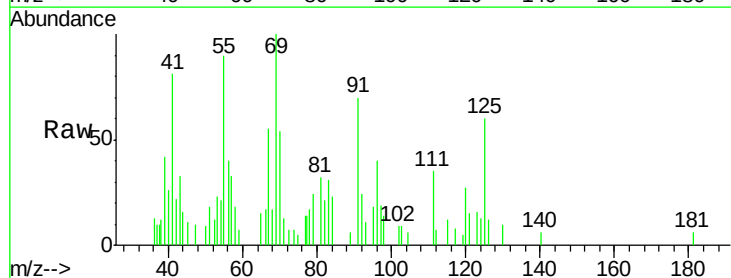
Tgt Ion: 83 Resp: 443

Ion Ratio Lower Upper

83 100

131 15.6 5.3 16.1

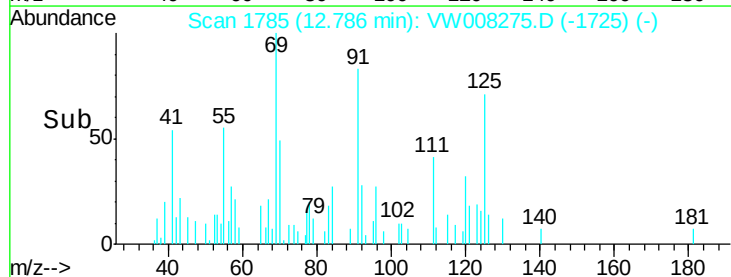
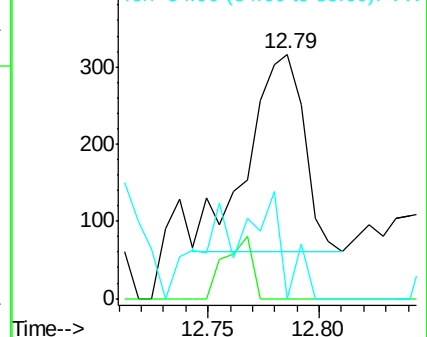
85 33.0 32.4 97.2

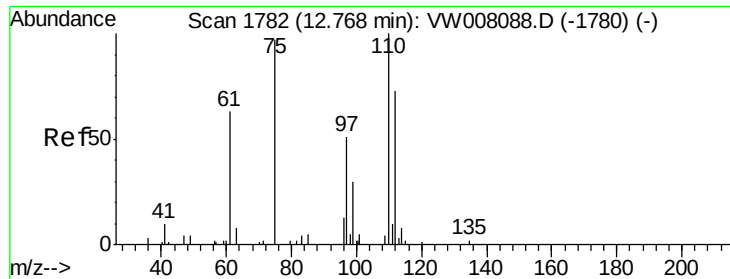


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

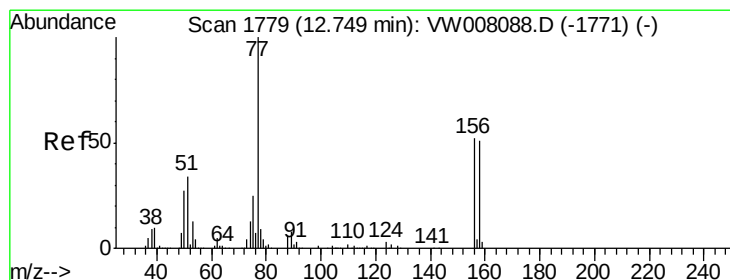
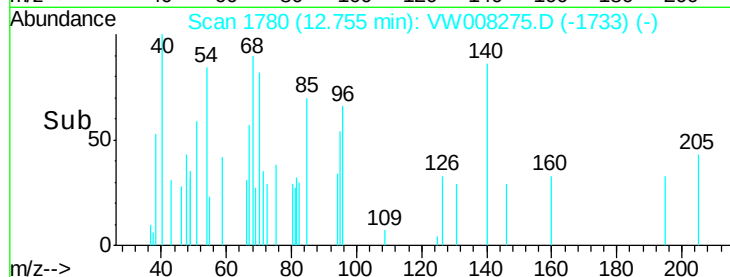
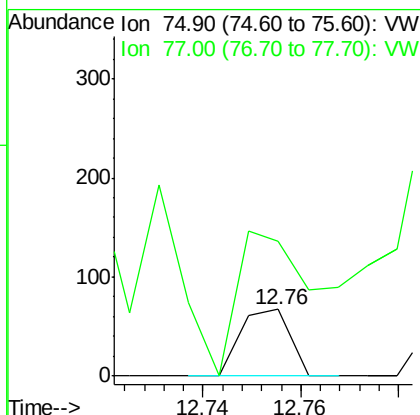
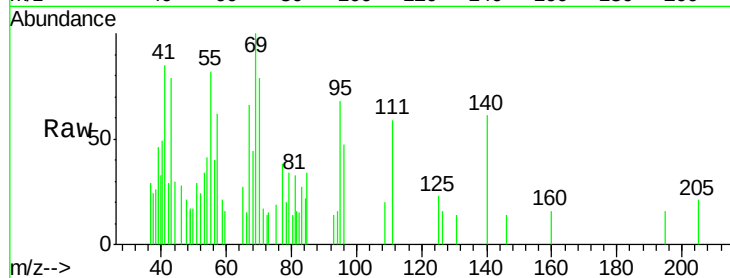




#76
 1,2,3-Trichloropropane
 Concen: 12.514 ug/l
 RT: 12.76 min Scan# 1780
 Delta R.T. -0.01 min
 Lab File: VW008275.D
 Acq: 15 Jan 2019 09:38

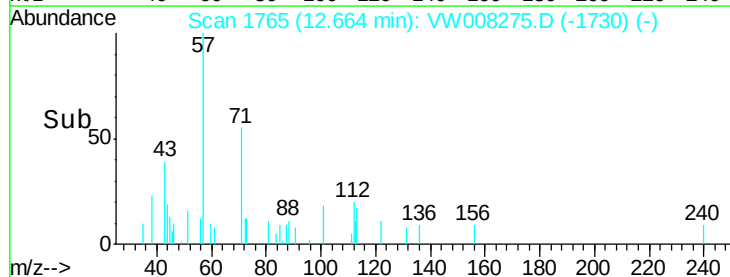
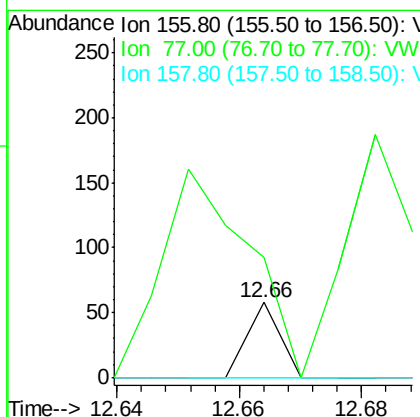
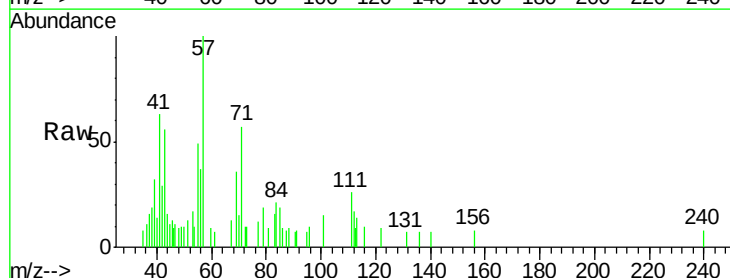
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)RE

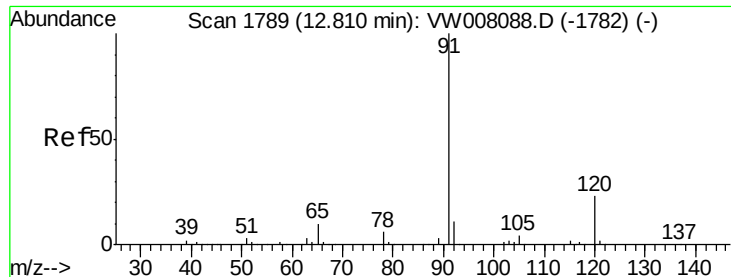
Tot Ion: 75 Resp: 47
 Ion Ratio Lower Upper
 75 100
 77 357.4 179.4 538.2



#77
 Bromobenzene
 Concen: 3.073 ug/l
 RT: 12.66 min Scan# 1765
 Delta R.T. -0.09 min
 Lab File: VW008275.D
 Acq: 15 Jan 2019 09:38

Tgt Ion: 156 Resp: 21
 Ion Ratio Lower Upper
 156 100
 77 757.1 104.2 312.5#
 158 0.0 47.9 143.6#





#78

n-propylbenzene

Concen: 348.197 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

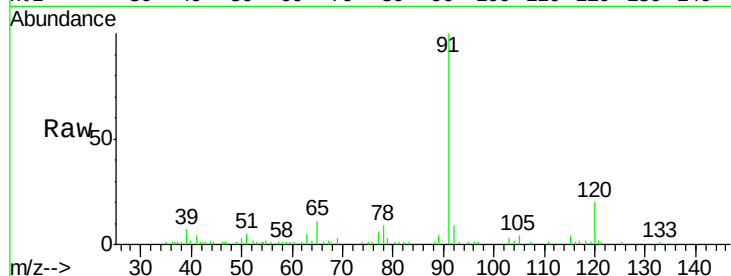
CPSB-19(15-20)RE

Tot Ion: 91 Resp: 13800

Ion Ratio Lower Upper

91 100

120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12.81

12.81

12.81

12.81

12.81

12.81

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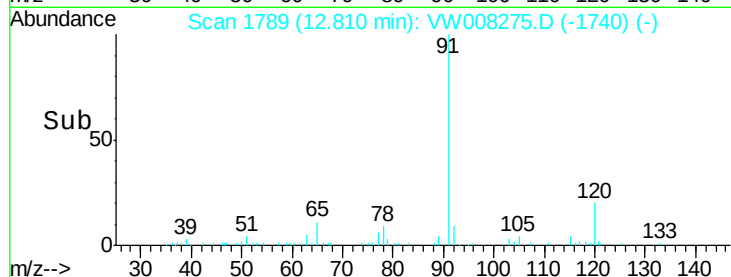
12.81

12.81

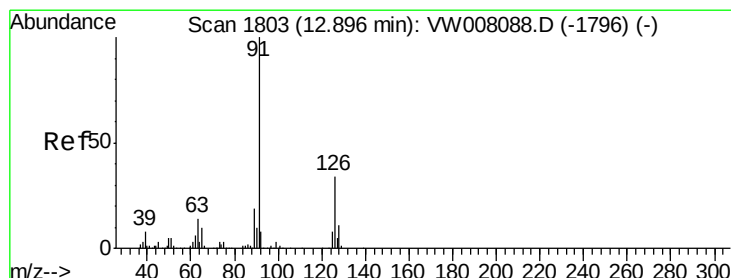
12.81

12.81

12.81



Time-->



#79

2-Chlorotoluene

Concen: 45.678 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW008275.D

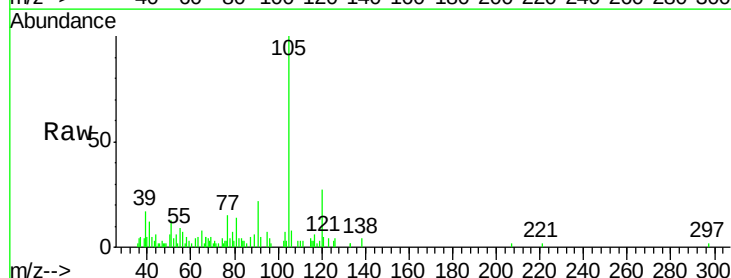
Acq: 15 Jan 2019 09:38

Tgt Ion: 91 Resp: 1010

Ion Ratio Lower Upper

91 100

126 27.6 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.90

12.90

12.90

12.90

12.90

12.90

12.90

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12.90

12.90

12.90

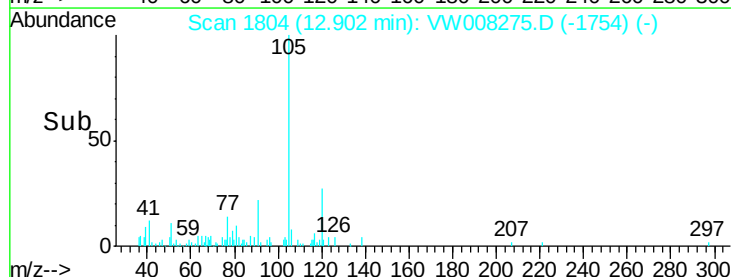
12.90

12.90

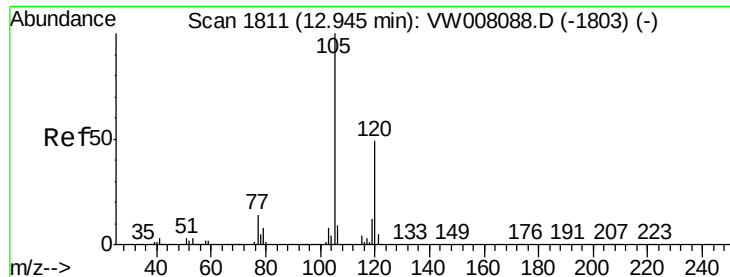
12.90

12.90

12.90



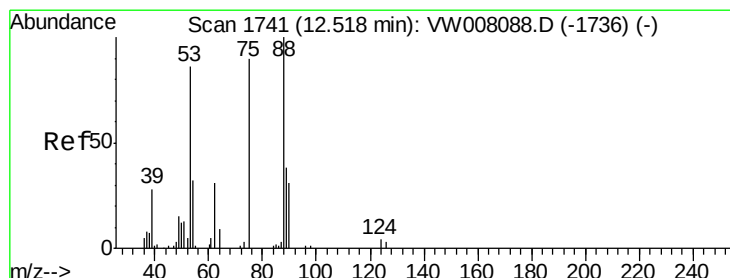
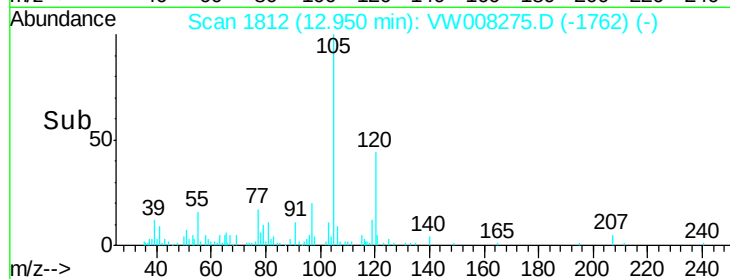
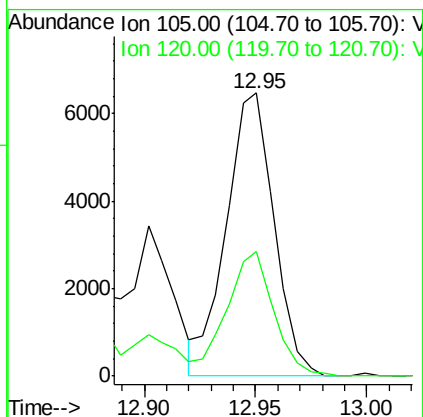
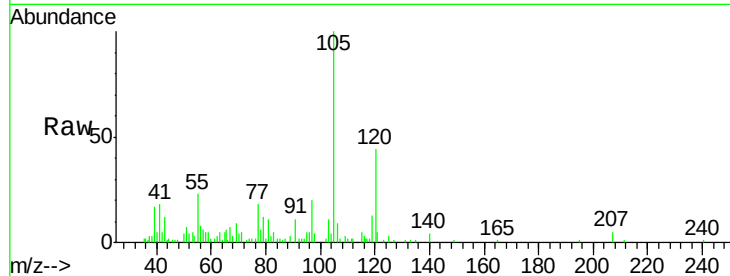
Time-->



#80
 1,3,5-Trimethylbenzene
 Concen: 362.897 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW008275.D
 Acq: 15 Jan 2019 09:38

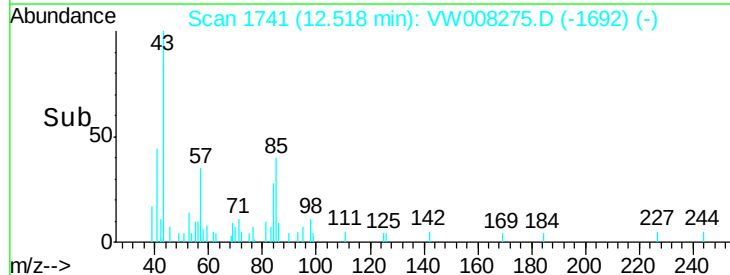
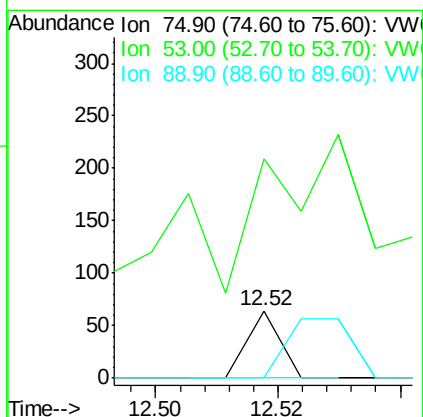
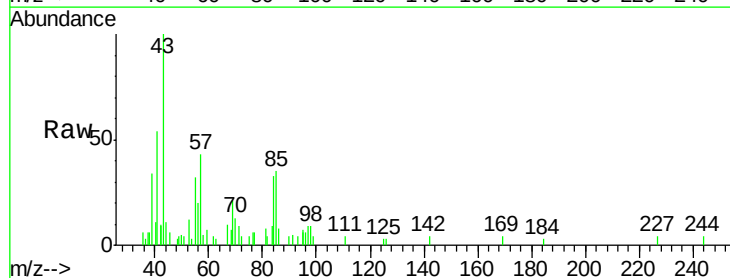
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)RE

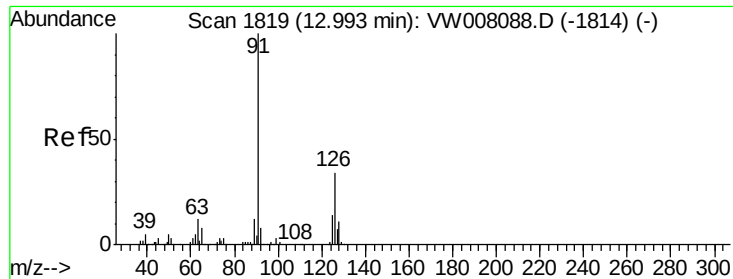
Tot Ion:105 Resp: 9646
 Ion Ratio Lower Upper
 105 100
 120 43.6 24.7 74.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 14.261 ug/l
 RT: 12.52 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VW008275.D
 Acq: 15 Jan 2019 09:38

Tgt Ion: 75 Resp: 23
 Ion Ratio Lower Upper
 75 100
 53 813.0 78.8 118.2#
 89 178.3 35.4 53.2#

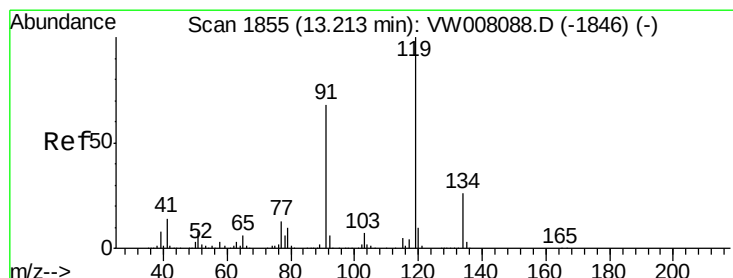
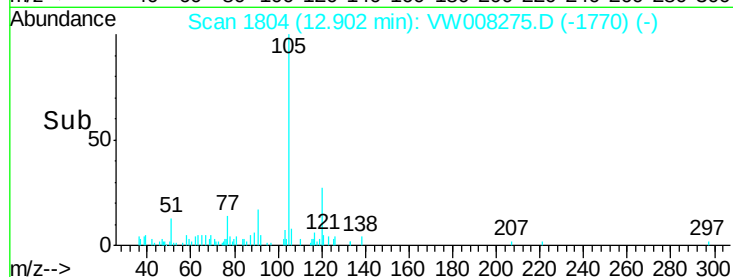
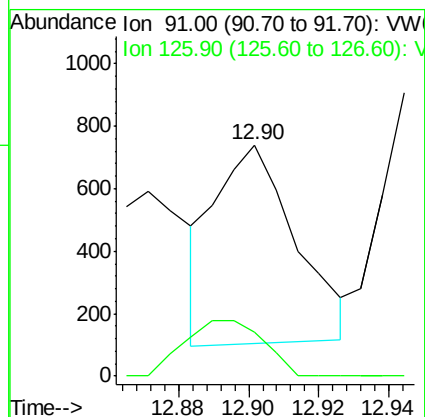
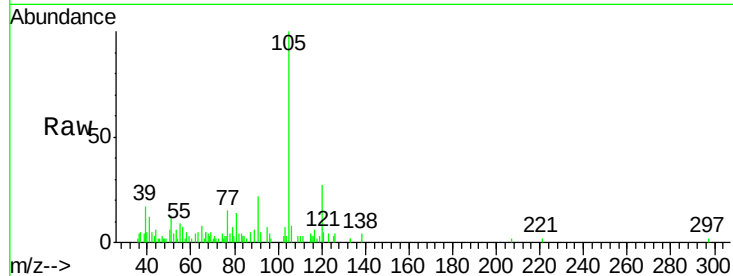




#82
4-Chlorotoluene
Concen: 43.585 ug/l
RT: 12.90 min Scan# 1804
Delta R.T. -0.09 min
Lab File: VW008275.D
Acq: 15 Jan 2019 09:38

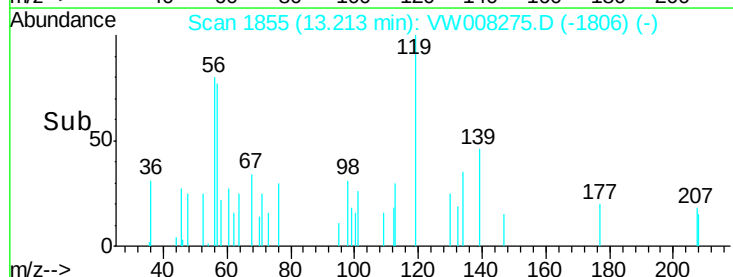
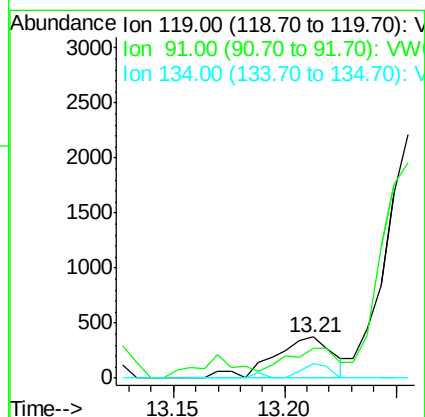
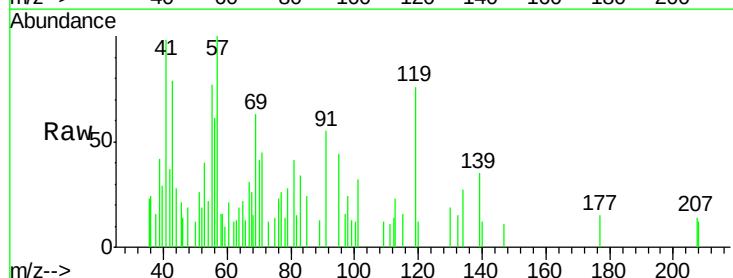
Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)RE

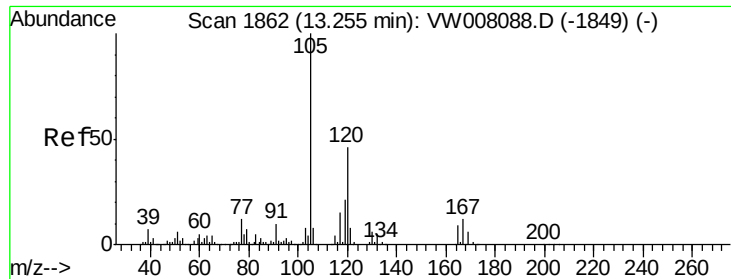
Tot Ion: 91 Resp: 1015
Ion Ratio Lower Upper
91 100
126 27.5 16.5 49.5



#83
tert-Butylbenzene
Concen: 29.045 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008275.D
Acq: 15 Jan 2019 09:38

Tgt Ion: 119 Resp: 683
Ion Ratio Lower Upper
119 100
91 51.0 33.9 101.6
134 16.1 13.6 40.8

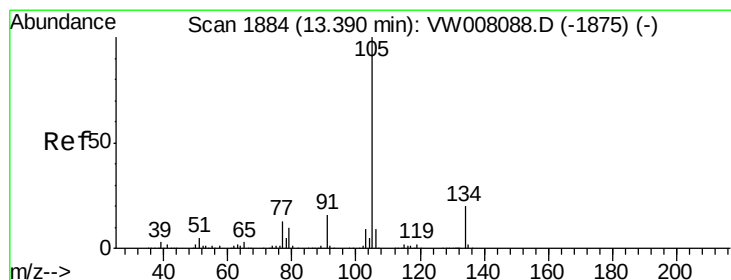
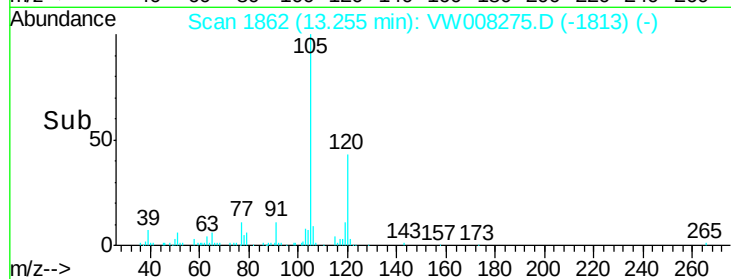
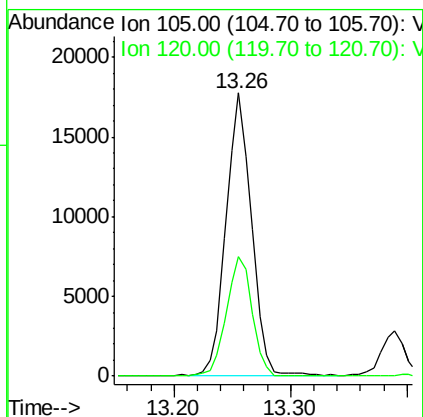
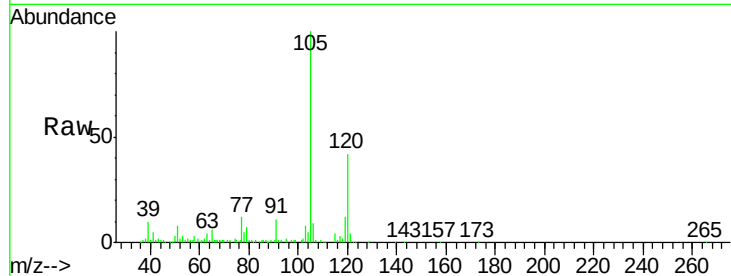




#84
 1,2,4-Trimethylbenzene
 Concen: 987.141 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008275.D
 Acq: 15 Jan 2019 09:38

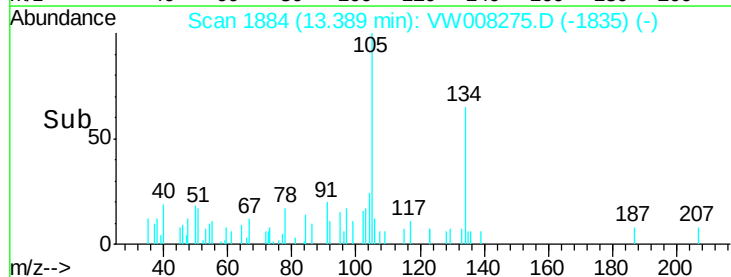
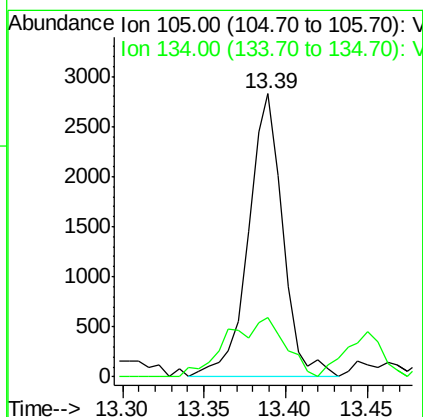
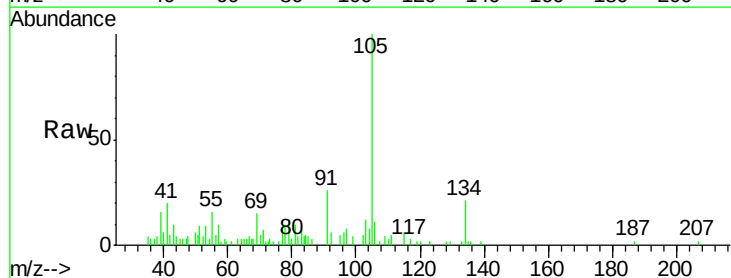
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)RE

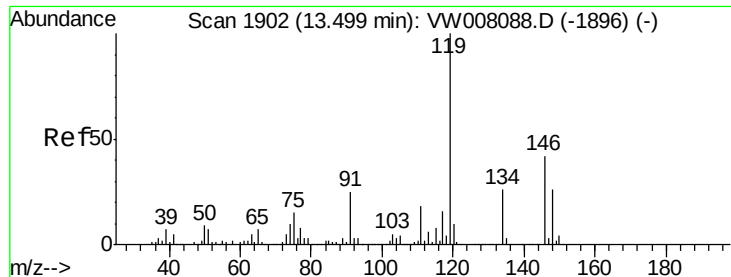
Tot Ion:105 Resp: 27062
 Ion Ratio Lower Upper
 105 100
 120 42.6 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 120.737 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008275.D
 Acq: 15 Jan 2019 09:38

Tgt Ion:105 Resp: 4159
 Ion Ratio Lower Upper
 105 100
 134 35.2 10.1 30.1#

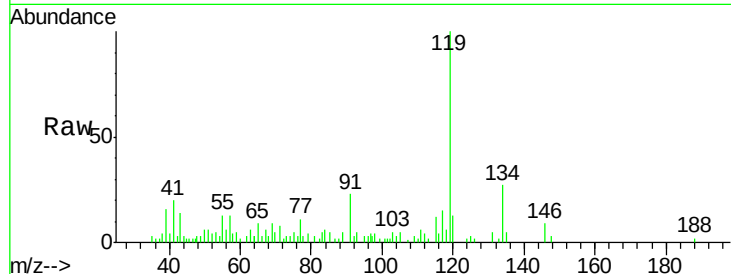




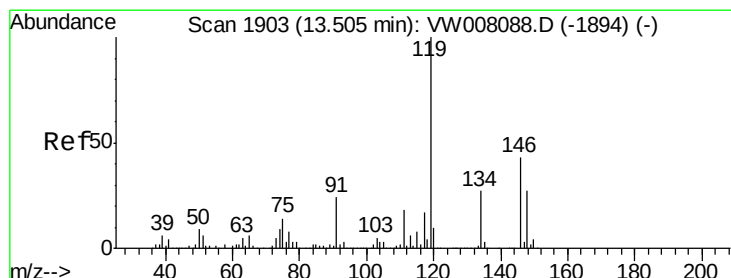
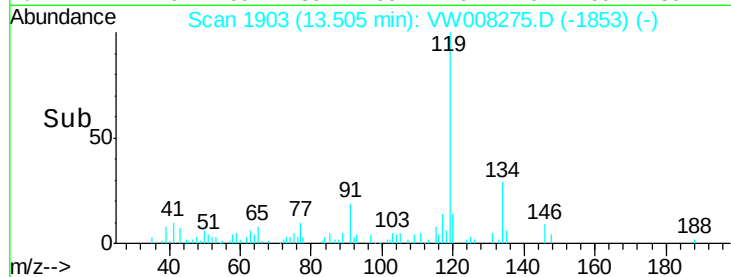
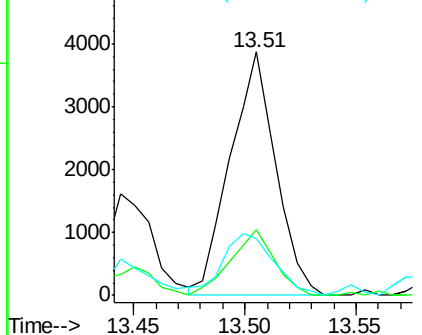
#86
 p-Isopropyltoluene
 Concen: 184.966 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW008275.D
 Acq: 15 Jan 2019 09:38

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)RE

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.3	39.8
91	29.4	12.3	36.9

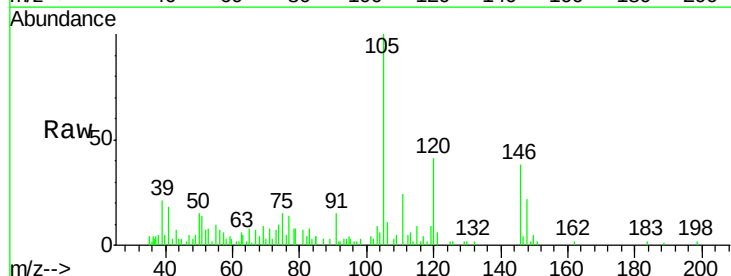


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

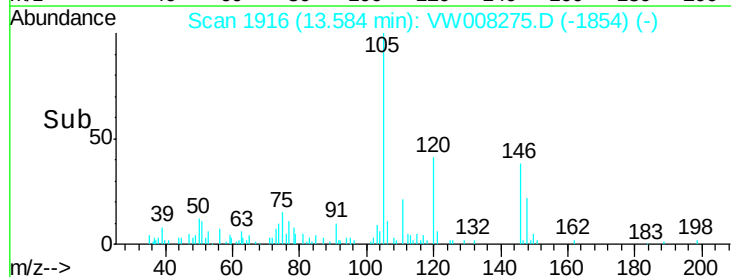
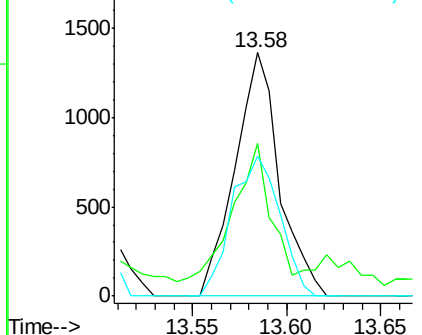


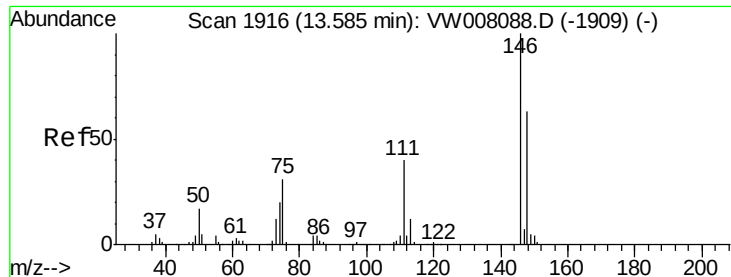
#87
 1,3-Dichlorobenzene
 Concen: 159.980 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.08 min
 Lab File: VW008275.D
 Acq: 15 Jan 2019 09:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.6	21.1	63.1
148	62.6	31.3	93.9



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





#88

1,4-Dichlorobenzene

Concen: 159.453 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)RE

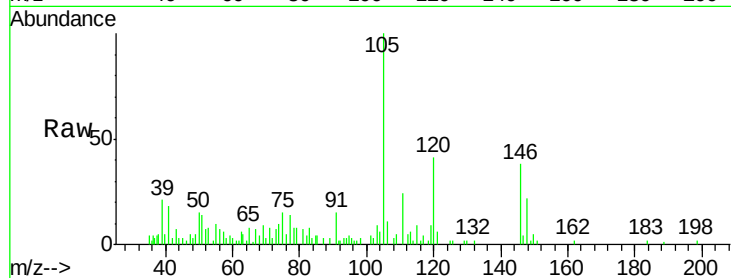
Tot Ion:146 Resp: 2218

Ion Ratio Lower Upper

146 100

111 48.6 20.5 61.5

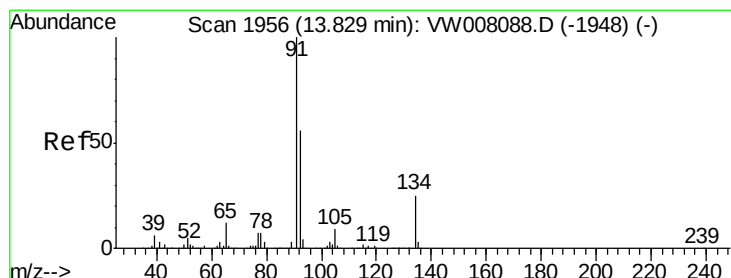
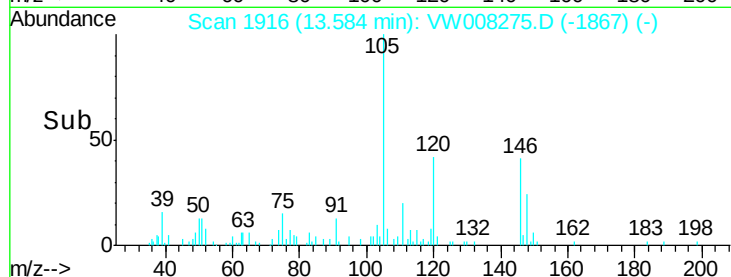
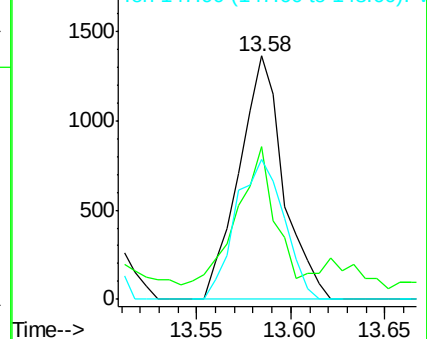
148 62.6 31.6 94.8



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



#89

n-Butylbenzene

Concen: 242.709 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

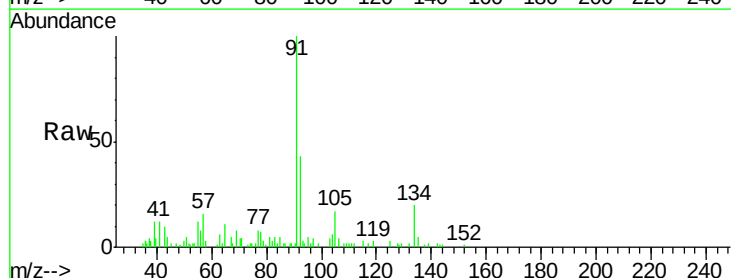
Tgt Ion: 91 Resp: 7071

Ion Ratio Lower Upper

91 100

92 38.3 27.4 82.2

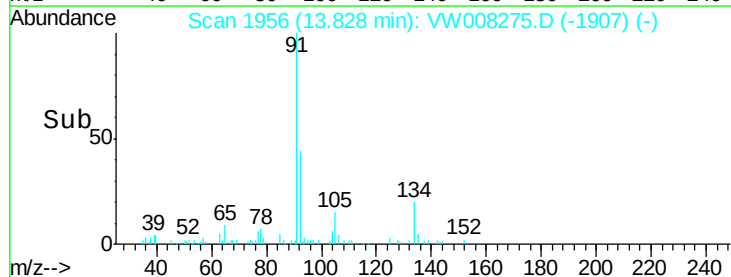
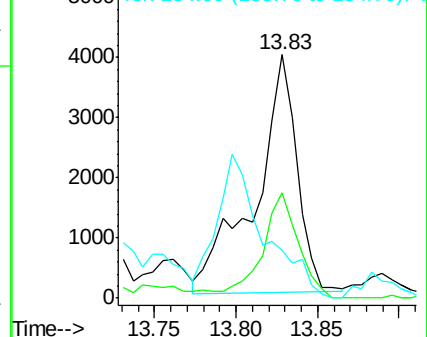
134 0.0 12.6 37.8#

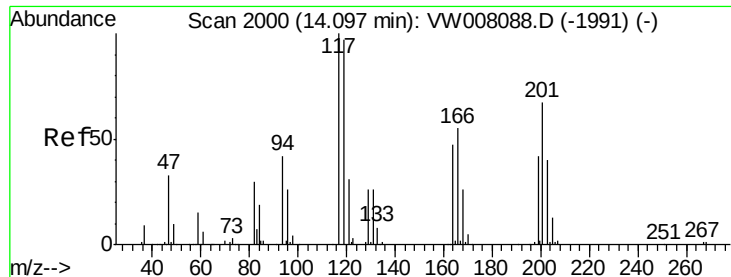


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

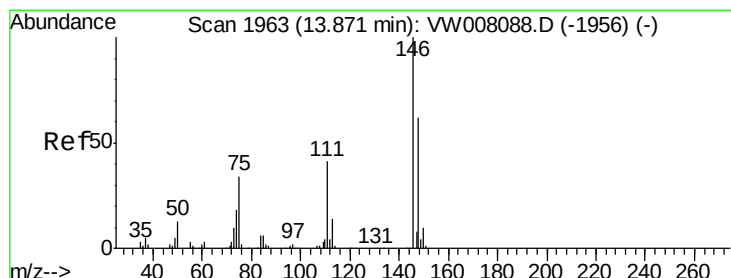
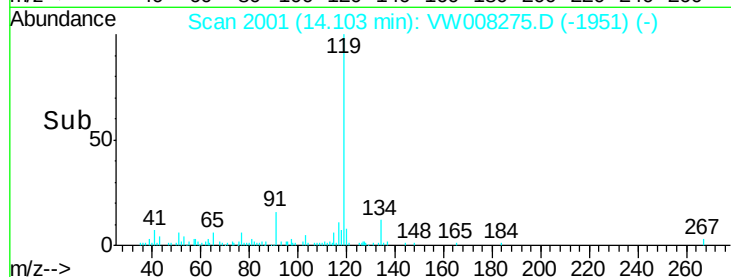
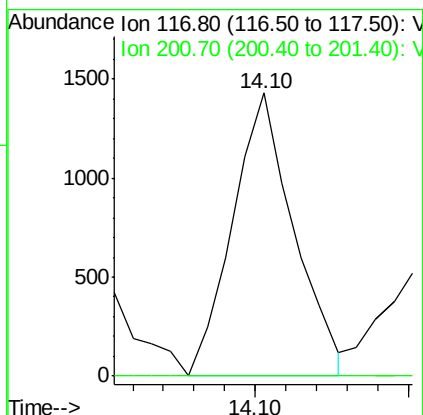
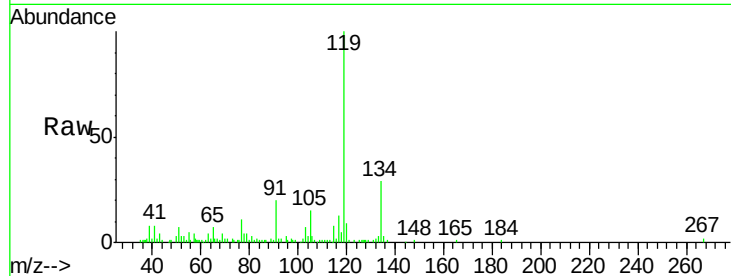




#90
Hexachloroethane
Concen: 395.677 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW008275.D
Acq: 15 Jan 2019 09:38

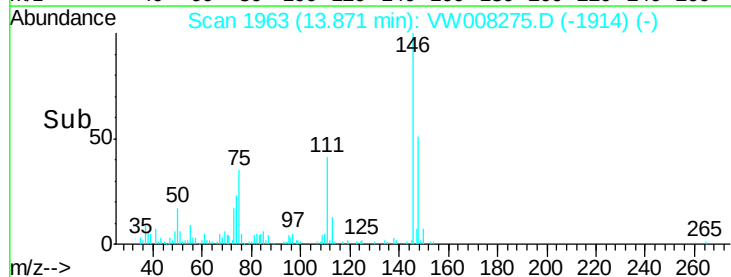
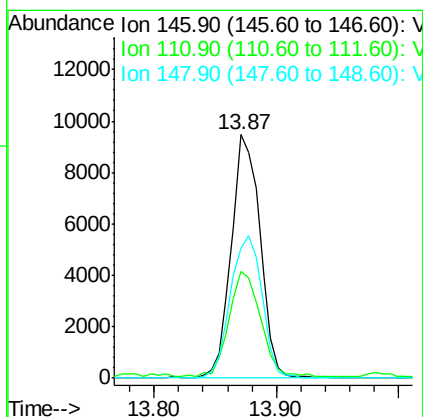
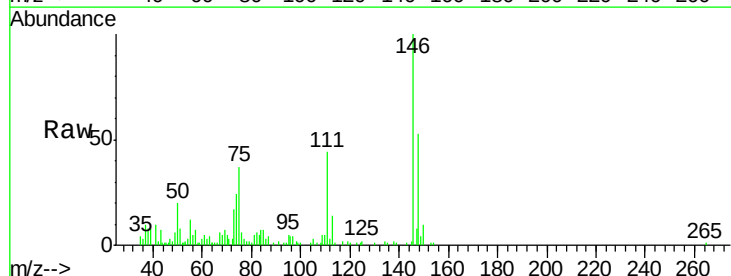
Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)RE

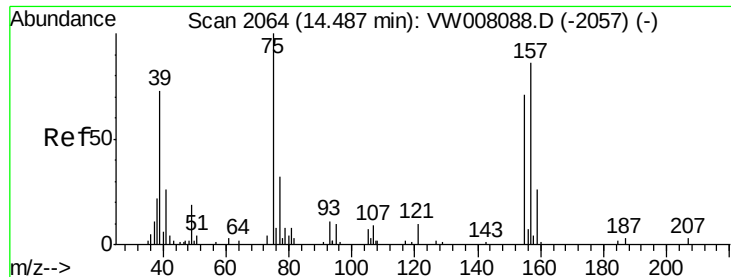
Tot Ion:117 Resp: 1988
Ion Ratio Lower Upper
117 100
201 0.0 33.0 98.9#



#91
1,2-Dichlorobenzene
Concen: 1267.511 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW008275.D
Acq: 15 Jan 2019 09:38

Tgt Ion:146 Resp: 15444
Ion Ratio Lower Upper
146 100
111 47.2 21.3 63.7
148 64.1 31.5 94.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 85.212 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.02 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)RE

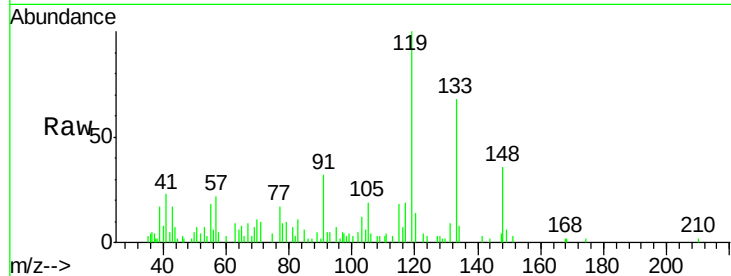
Tot Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.7#

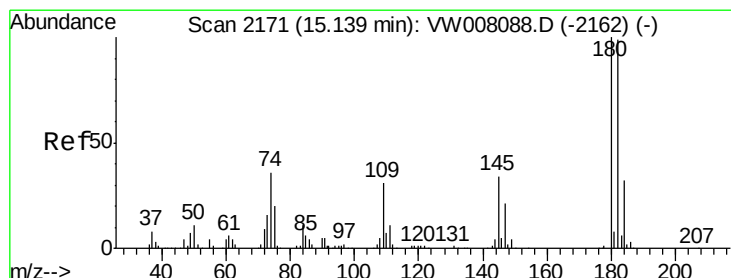
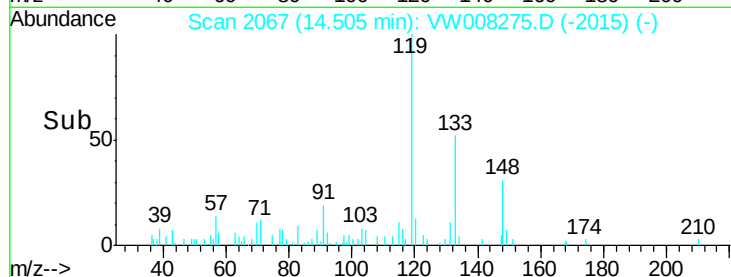
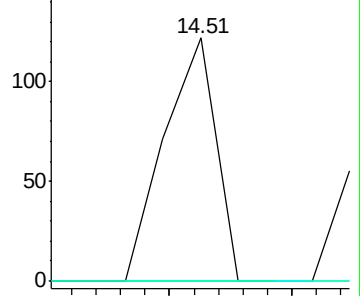
157 0.0 47.5 142.6#



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: 32.882 ug/l

RT: 15.15 min Scan# 2172

Delta R.T. 0.01 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

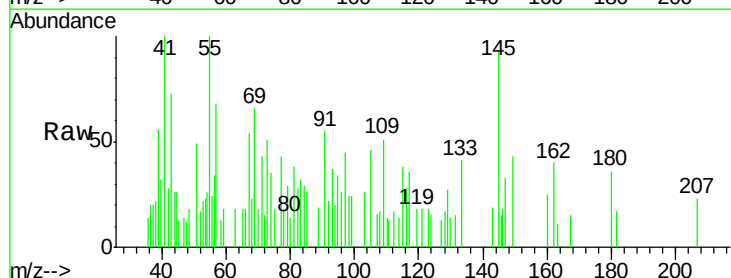
Tgt Ion: 180 Resp: 266

Ion Ratio Lower Upper

180 100

182 80.8 48.6 145.9

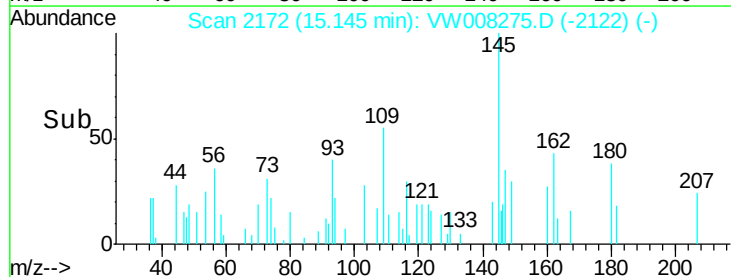
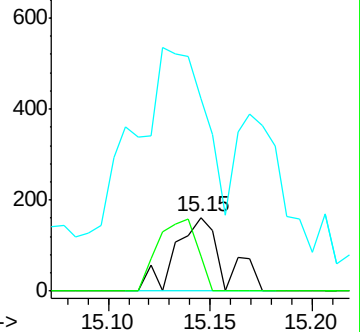
145 565.8 16.6 49.7#

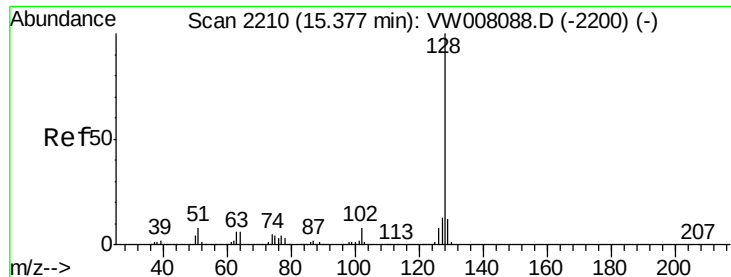


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 781.333 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)RE

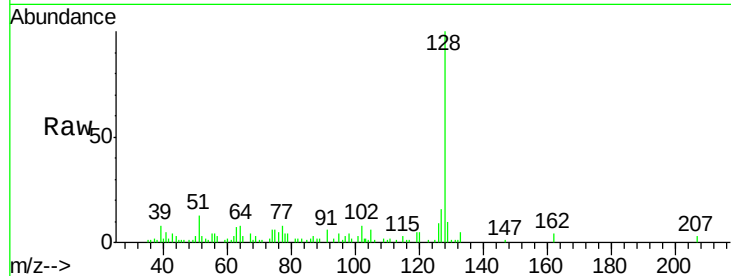
Tot Ion:128 Resp: 11802

Ion Ratio Lower Upper

128 100

127 18.1 11.0 16.4#

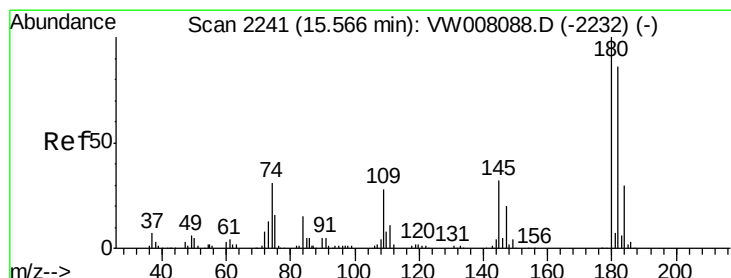
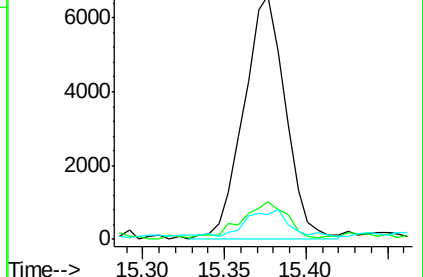
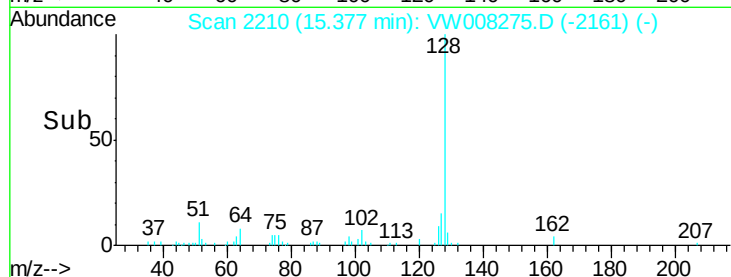
129 10.8 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 12.181 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008275.D

Acq: 15 Jan 2019 09:38

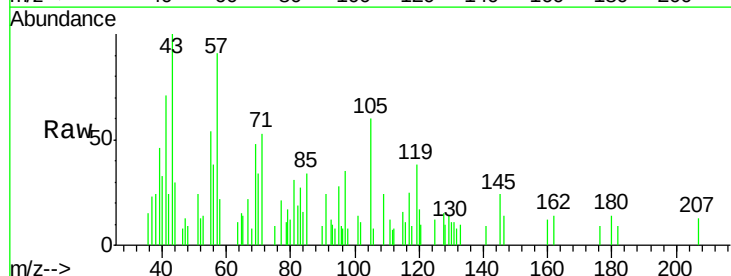
Tgt Ion:180 Resp: 84

Ion Ratio Lower Upper

180 100

182 89.3 46.5 139.3

145 0.0 17.4 52.2#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

