

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011519\
 Data File : VW008283.D
 Acq On : 15 Jan 2019 14:45
 Operator : SY/VA
 Sample : K1088-09MSD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-07(15-20)MSD

Quant Time: Jan 16 01:21:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	123017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	213351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	163150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	62141	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	63168	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
35) Dibromofluoromethane	7.88	113	67740	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	
50) Toluene-d8	10.32	98	241722	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
62) 4-Bromofluorobenzene	12.62	95	68800	36.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	26291	26.187	ug/l	95
3) Chloromethane	2.21	50	32332	24.823	ug/l	98
4) Vinyl Chloride	2.36	62	44153	25.973	ug/l	91
5) Bromomethane	2.78	94	30851	24.226	ug/l	99
6) Chloroethane	2.93	64	27710	21.662	ug/l	100
7) Trichlorofluoromethane	3.26	101	35855	25.943	ug/l	92
8) Diethyl Ether	3.68	74	18506	23.686	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	17799	12.972	ug/l	93
10) Methyl Iodide	4.26	142	52394	26.199	ug/l	99
11) Tert butyl alcohol	5.20	59	9239	91.873	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	31374	23.289	ug/l	99
13) Acrolein	3.89	56	2410	24.834	ug/l #	80
14) Allyl chloride	4.67	41	53894	22.034	ug/l	96
15) Acrylonitrile	5.37	53	30634	102.987	ug/l	98
16) Acetone	4.13	43	33500	124.150	ug/l	96
17) Carbon Disulfide	4.37	76	92128	21.891	ug/l	100
18) Methyl Acetate	4.67	43	21636	24.760	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	55159	25.185	ug/l	92
20) Methylene Chloride	4.91	84	37534	25.187	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	35053	23.943	ug/l	95
22) Diisopropyl ether	6.31	45	112098	24.031	ug/l	99
23) Vinyl Acetate	6.26	43	204198	83.348	ug/l	99
24) 1,1-Dichloroethane	6.21	63	66652	24.523	ug/l	97
25) 2-Butanone	7.18	43	40336	104.855	ug/l	96
26) 2,2-Dichloropropane	7.17	77	44297	24.053	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	39073	24.462	ug/l	94
28) Bromochloromethane	7.51	49	21880	20.352	ug/l	89
29) Tetrahydrofuran	7.53	42	25079	97.597	ug/l	97
30) Chloroform	7.67	83	63461	24.530	ug/l	92
31) Cyclohexane	7.95	56	22465	7.721	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	46625	20.712	ug/l	99
36) 1,1-Dichloropropene	8.08	75	37409	17.022	ug/l	97
37) Ethyl Acetate	7.25	43	16599	18.852	ug/l	98
38) Carbon Tetrachloride	8.07	117	33105	16.458	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22903	8.219	ug/l	97
40) Benzene	8.32	78	134676	22.593	ug/l	99
41) Methacrylonitrile	7.49	41	10833	19.477	ug/l	94
42) 1,2-Dichloroethane	8.40	62	36900	22.010	ug/l	95
43) Isopropyl Acetate	8.43	43	37865	21.509	ug/l	98
44) Trichloroethene	9.09	130	30036	19.684	ug/l	100
45) 1,2-Dichloropropane	9.37	63	33255	22.499	ug/l	99
46) Dibromomethane	9.46	93	16419	22.620	ug/l	96
47) Bromodichloromethane	9.65	83	41992	22.783	ug/l	98
48) Methyl methacrylate	9.43	41	17642	21.238	ug/l	94
49) 1,4-Dioxane	9.46	88	4600	394.059	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	88604	103.979	ug/l	98
52) Toluene	10.39	92	62085	16.309	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	38609	20.138	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	48125	21.168	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	22924	22.494	ug/l	99
56) Ethyl methacrylate	10.65	69	27443	21.744	ug/l	98
57) 1,3-Dichloropropane	10.93	76	39460	21.171	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	64910	99.565	ug/l	95
59) 2-Hexanone	10.97	43	62005	107.600	ug/l	98
60) Dibromochloromethane	11.13	129	24370	21.776	ug/l	98
61) 1,2-Dibromoethane	11.24	107	20599	21.302	ug/l	100
64) Tetrachloroethene	10.87	164	12513	11.785	ug/l	92
65) Chlorobenzene	11.66	112	59867	17.320	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	22156	19.708	ug/l	99
67) Ethyl Benzene	11.73	91	76624	12.116	ug/l	99
68) m/p-Xylenes	11.84	106	54679	22.651	ug/l	96
69) o-Xylene	12.17	106	30578	13.679	ug/l	93
70) Styrene	12.18	104	49970	14.272	ug/l	99
71) Bromoform	12.35	173	12134	24.116	ug/l #	96
73) Isopropylbenzene	12.47	105	117899	24.166	ug/l	79
74) N-amyl acetate	12.27	43	24087	22.294	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	22570	28.903	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	15825m	27.936	ug/l	
77) Bromobenzene	12.75	156	16916	16.410	ug/l	76
78) n-propylbenzene	12.80	91	55207	9.235	ug/l	95
79) 2-Chlorotoluene	12.90	91	35638	10.686	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	37342	9.314	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	6377	26.215	ug/l #	31
82) 4-Chlorotoluene	12.99	91	40659	11.576	ug/l	98
83) tert-Butylbenzene	13.21	119	25342	7.145	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	37885	9.162	ug/l	99
85) sec-Butylbenzene	13.39	105	36704	7.065	ug/l	94
86) p-Isopropyltoluene	13.51	119	281379	62.716	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	20334	9.724	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	21086	10.050	ug/l	97
89) n-Butylbenzene	13.83	91	25690	5.846	ug/l	93
90) Hexachloroethane	14.10	117	5314	7.012	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	19593	10.661	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3103	24.691	ug/l	95

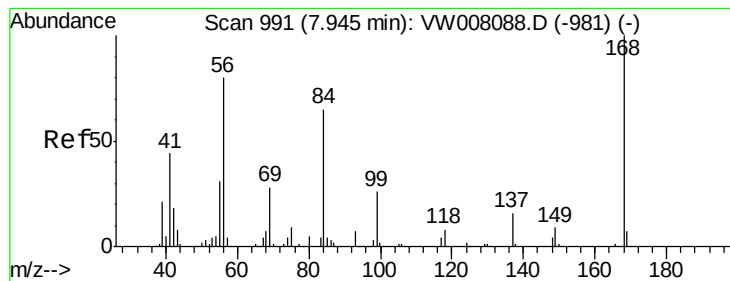
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	6686	5.480	ug/l #	69
94) Hexachlorobutadiene	15.24	225	2275	3.484	ug/l	99
95) Naphthalene	15.37	128	25086	11.011	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.56	180	5678	5.459	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

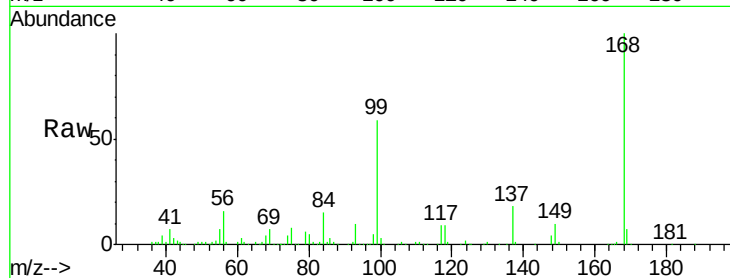
CPSB-07(15-20)MSD

Tot Ion:168 Resp: 123017

Ion Ratio Lower Upper

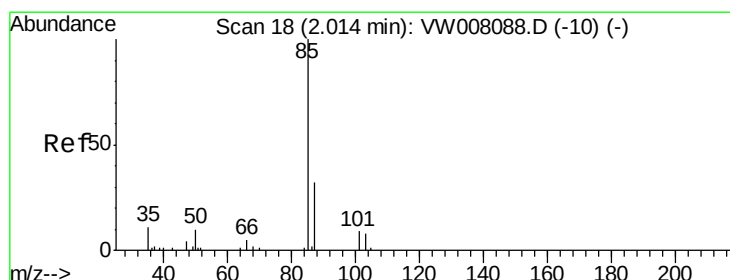
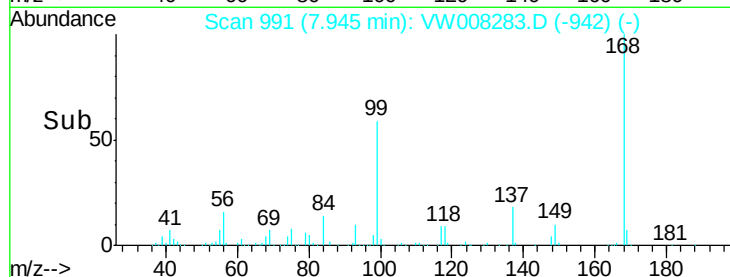
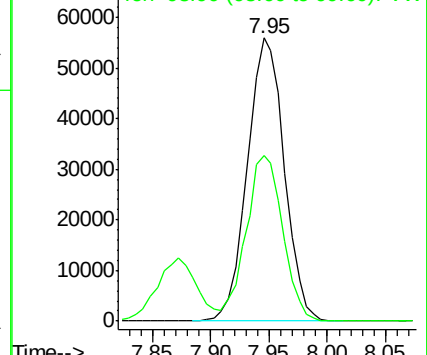
168 100

99 58.4 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 26.187 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008283.D

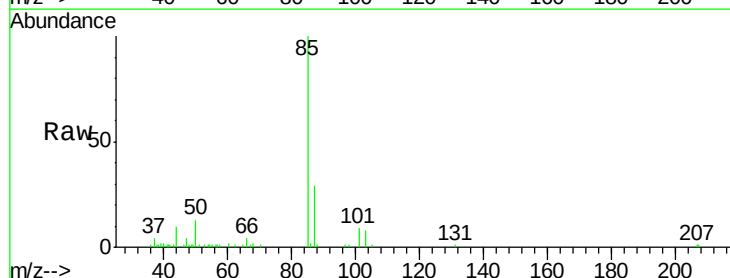
Acq: 15 Jan 2019 14:45

Tgt Ion: 85 Resp: 26291

Ion Ratio Lower Upper

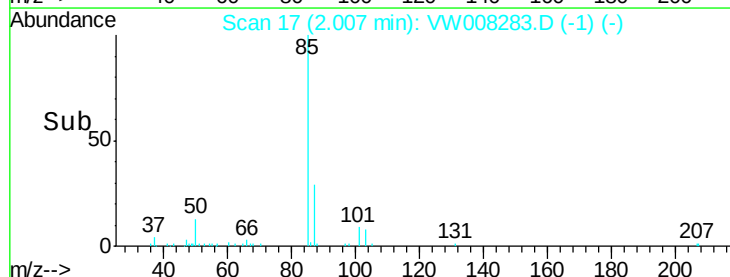
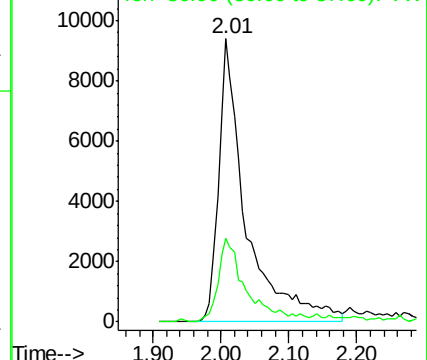
85 100

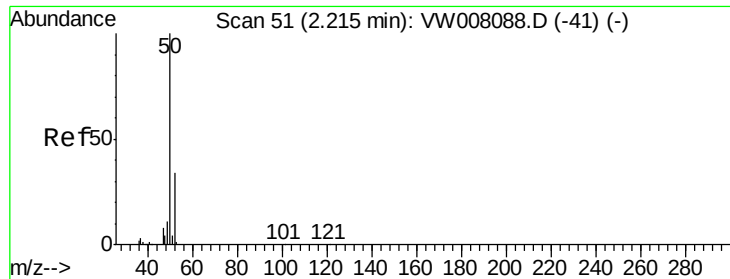
87 29.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 24.823 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

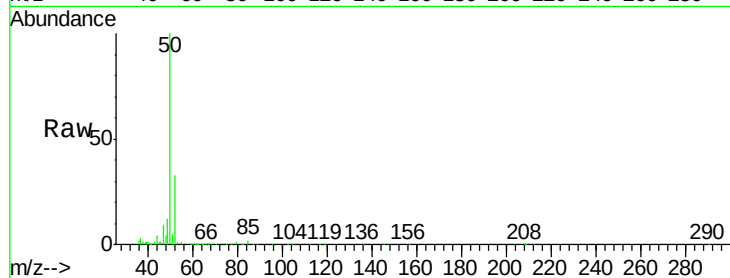
CPSB-07(15-20)MSD

Tot Ion: 50 Resp: 32332

Ion Ratio Lower Upper

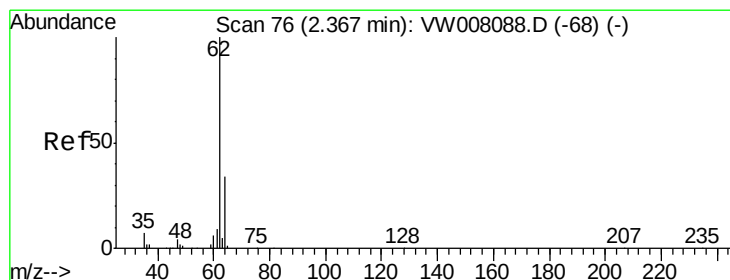
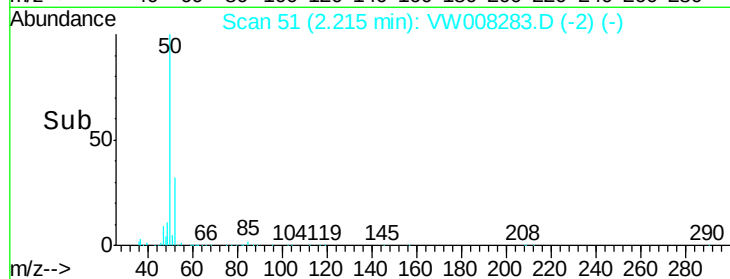
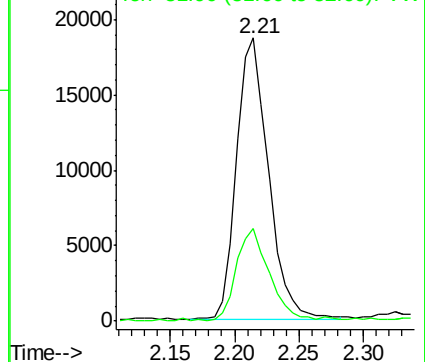
50 100

52 32.4 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 25.973 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008283.D

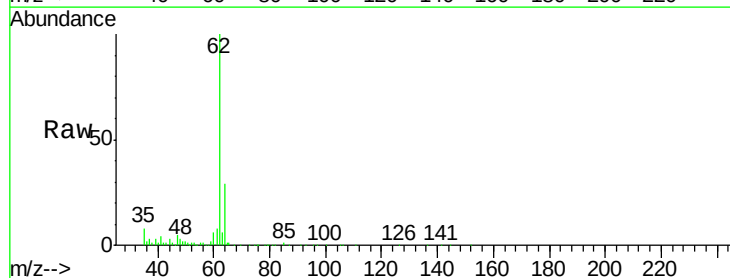
Acq: 15 Jan 2019 14:45

Tgt Ion: 62 Resp: 44153

Ion Ratio Lower Upper

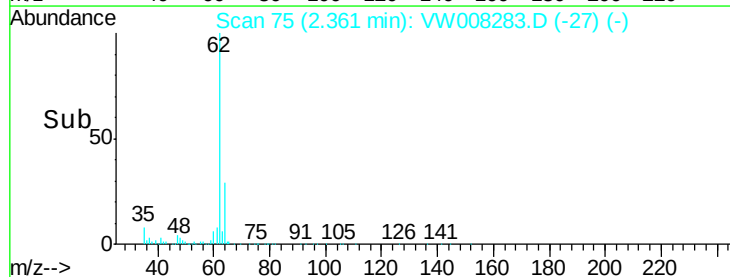
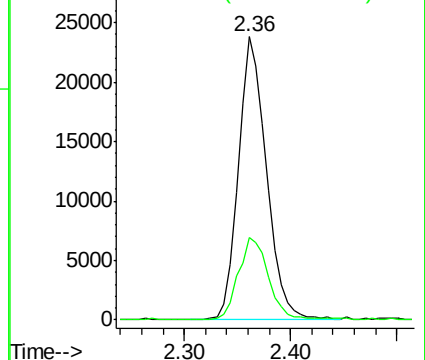
62 100

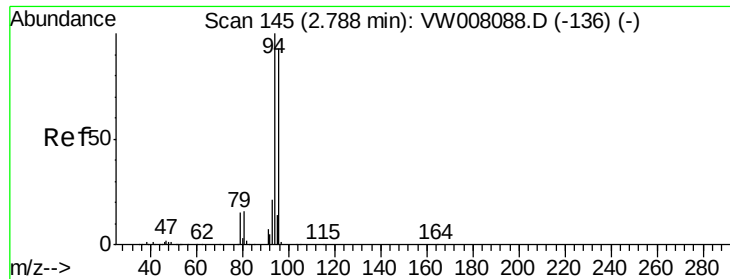
64 28.8 27.0 40.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 24.226 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

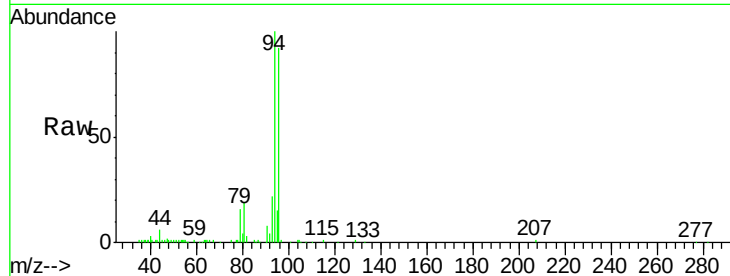
CPSB-07(15-20)MSD

Tot Ion: 94 Resp: 30851

Ion Ratio Lower Upper

94 100

96 91.6 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

15000

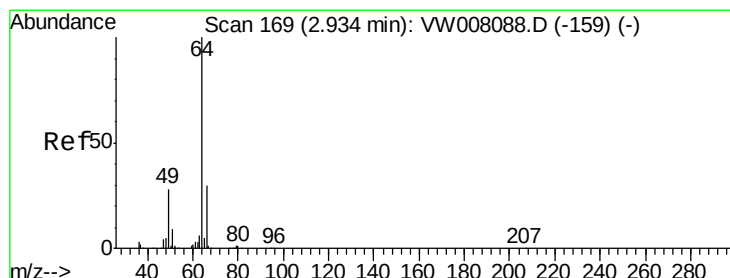
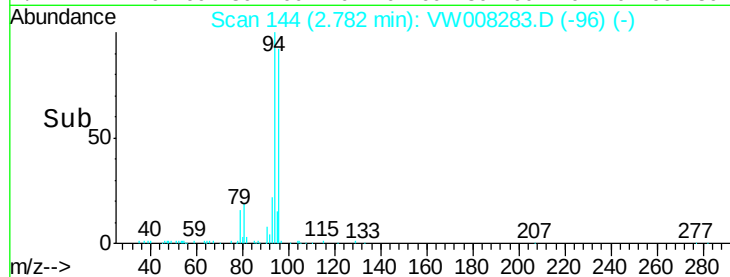
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 21.662 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008283.D

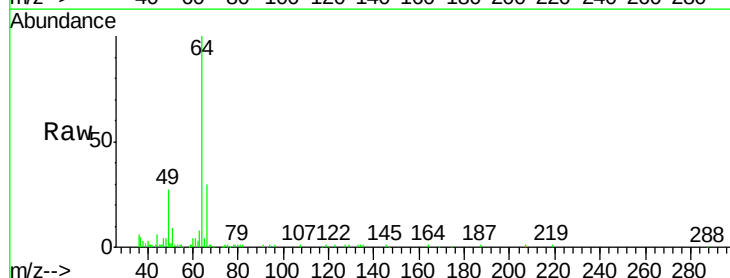
Acq: 15 Jan 2019 14:45

Tgt Ion: 64 Resp: 27710

Ion Ratio Lower Upper

64 100

66 30.1 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

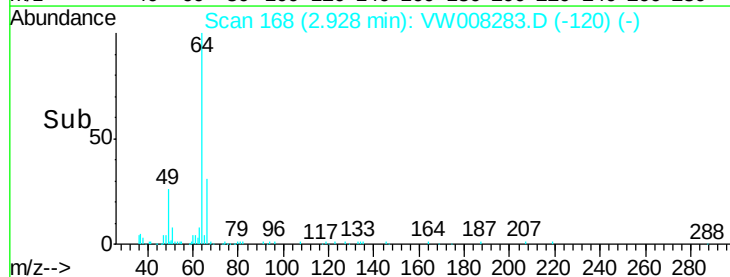
10000

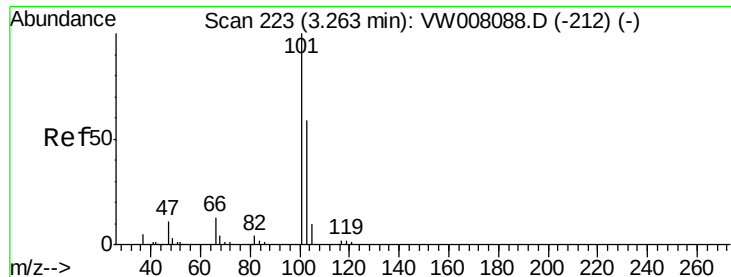
5000

0

Time-->

2.80 2.90 3.00 3.10



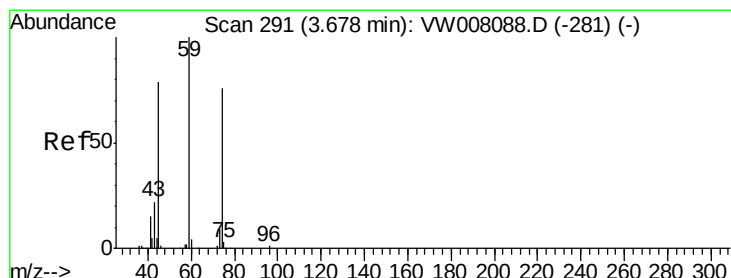
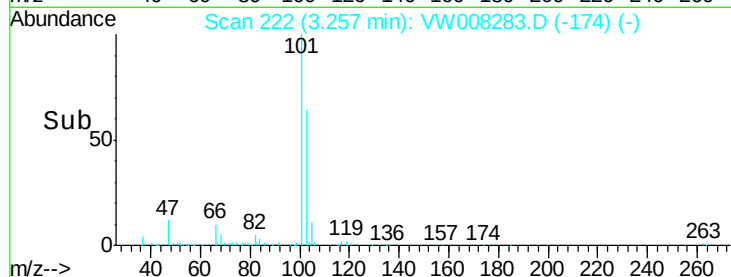
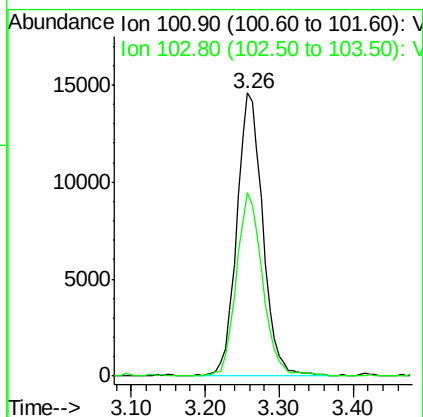
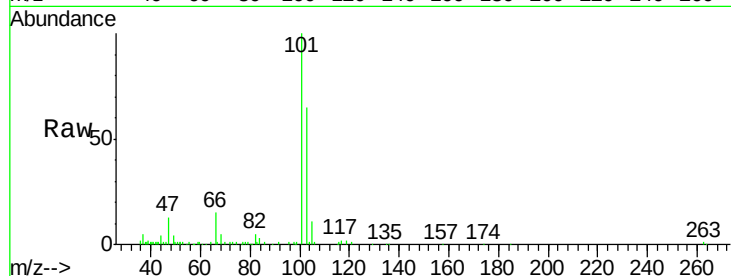


#7

Trichlorofluoromethane
 Concen: 25.943 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

Instrument :
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 ClientSampleId :
 CPSB-07(15-20)MSD

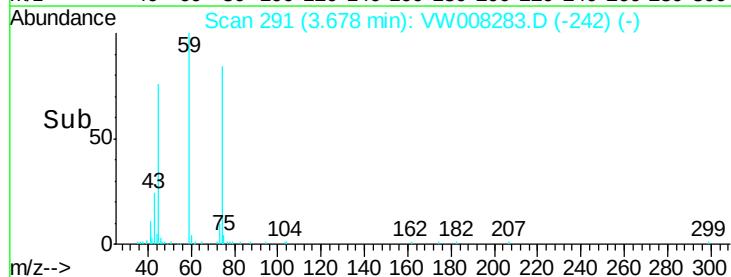
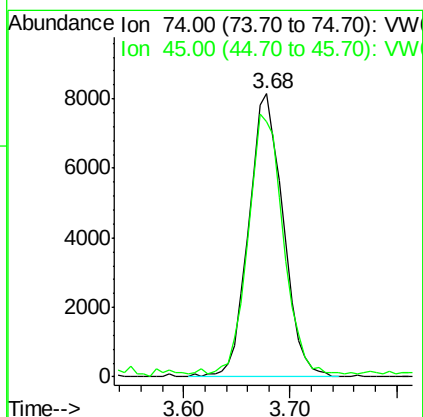
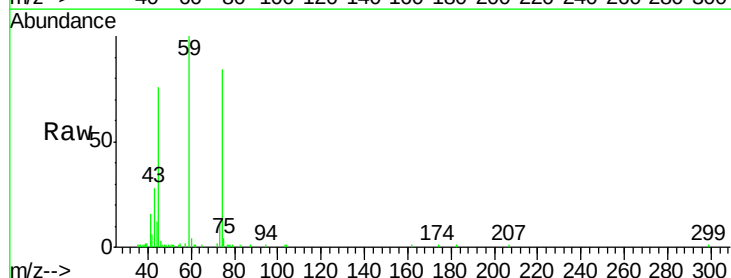
Tot Ion:101 Resp: 35855
 Ion Ratio Lower Upper
 101 100
 103 64.8 47.0 70.6

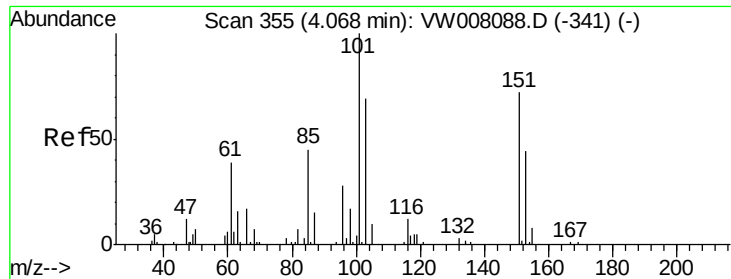


#8

Diethyl Ether
 Concen: 23.686 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

Tgt Ion: 74 Resp: 18506
 Ion Ratio Lower Upper
 74 100
 45 93.8 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.972 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

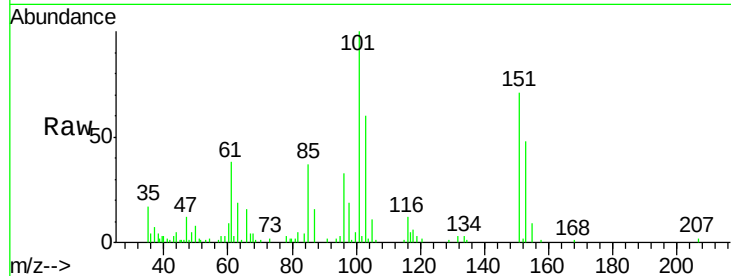
Tot Ion:101 Resp: 17799

Ion Ratio Lower Upper

101 100

85 45.6 35.9 53.9

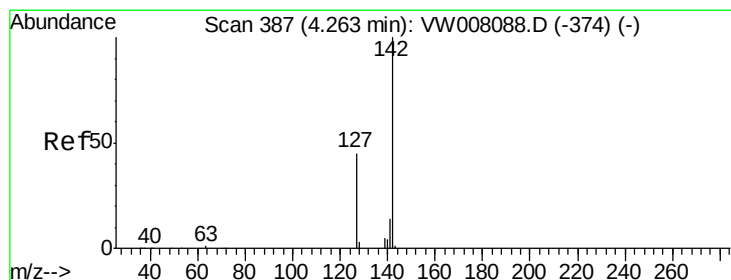
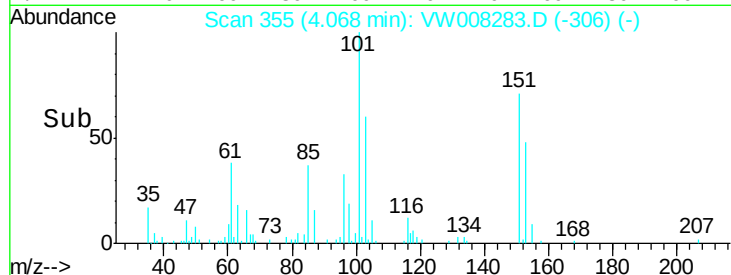
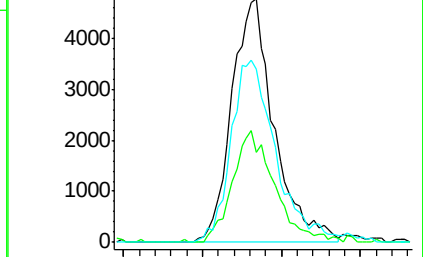
151 79.1 55.8 83.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 26.199 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

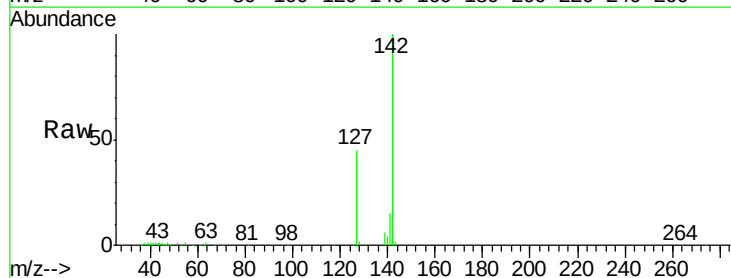
Tgt Ion:142 Resp: 52394

Ion Ratio Lower Upper

142 100

127 43.6 35.0 52.4

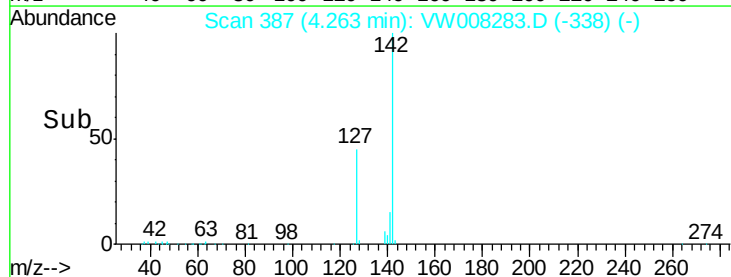
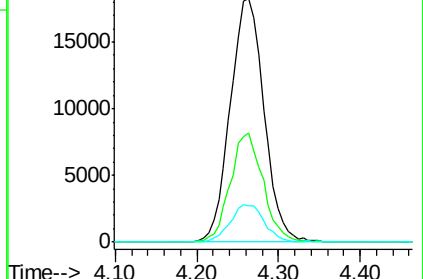
141 15.4 11.8 17.6

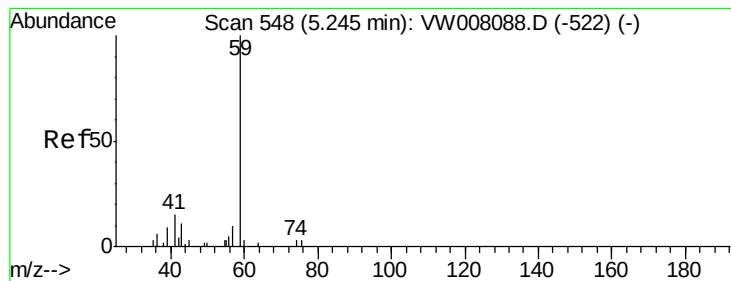


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



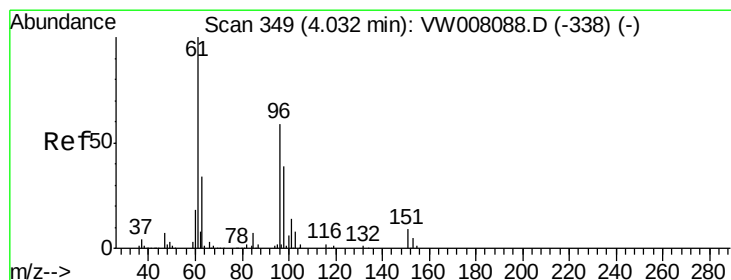
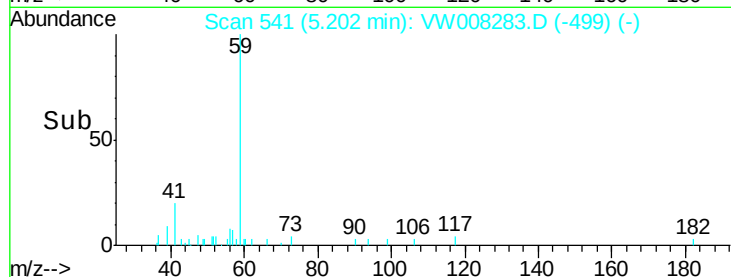
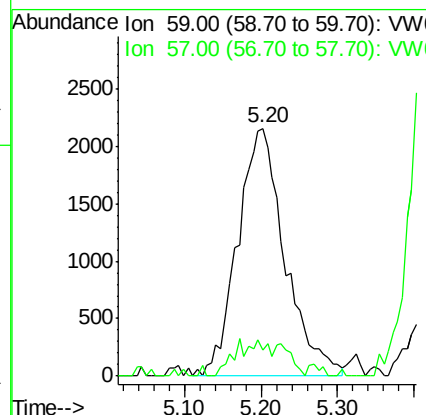
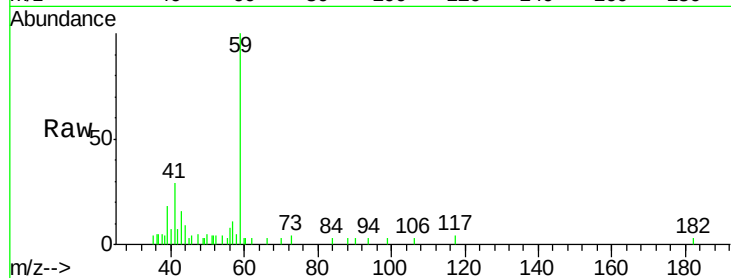


#11

Tert butyl alcohol
 Concen: 91.873 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. -0.04 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-07(15-20)MSD

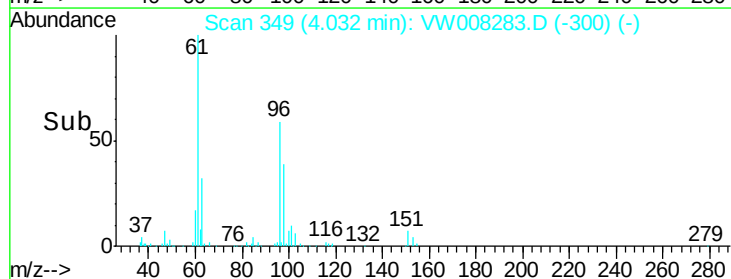
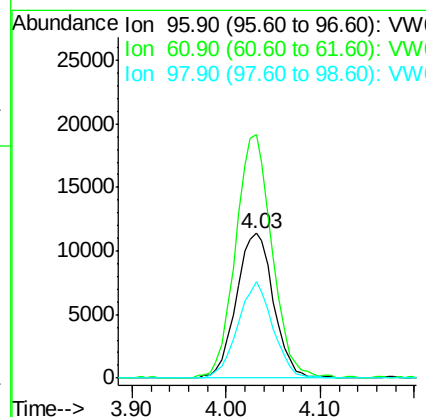
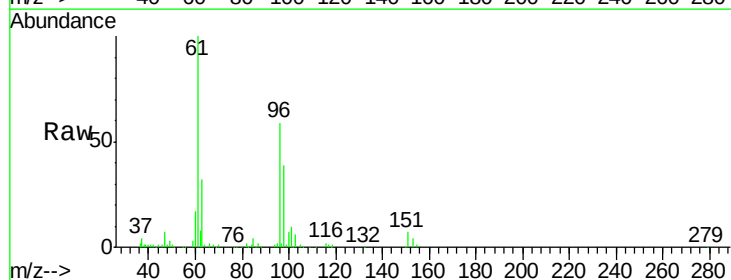
Tot Ion: 59 Resp: 9239
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0

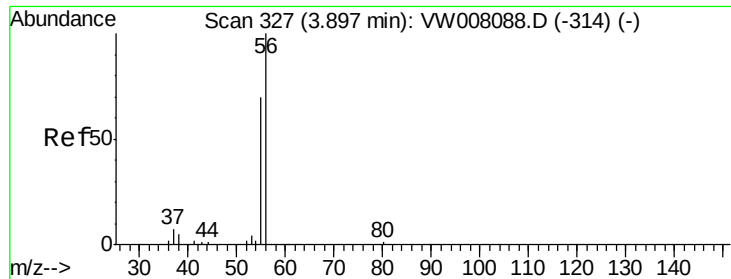


#12

1,1-Dichloroethene
 Concen: 23.289 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

Tgt Ion: 96 Resp: 31374
 Ion Ratio Lower Upper
 96 100
 61 168.3 135.4 203.2
 98 66.4 52.5 78.7





#13

Acrolein

Concen: 24.834 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

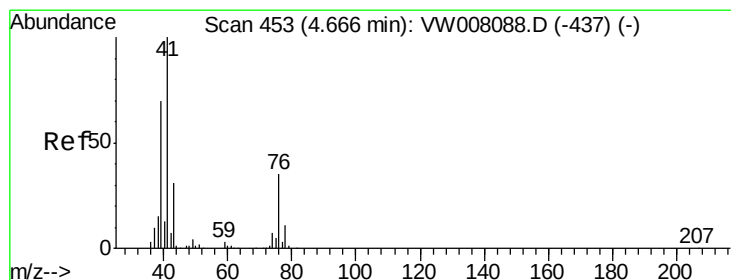
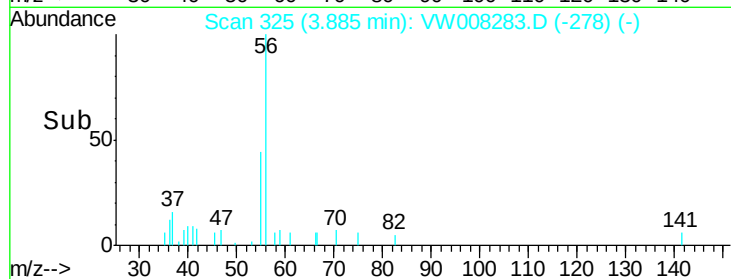
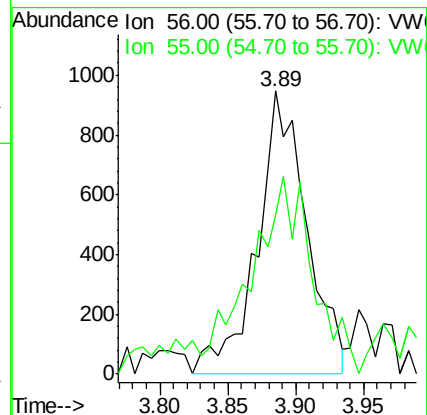
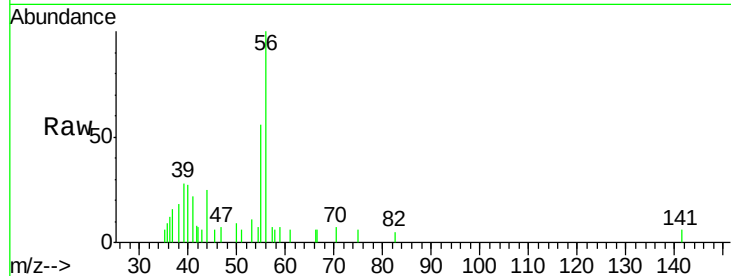
CPSB-07(15-20)MSD

Tot Ion: 56 Resp: 2410

Ion Ratio Lower Upper

56 100

55 86.8 56.6 84.8#



#14

Allyl chloride

Concen: 22.034 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

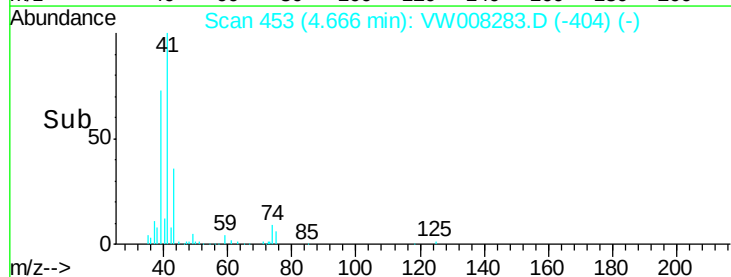
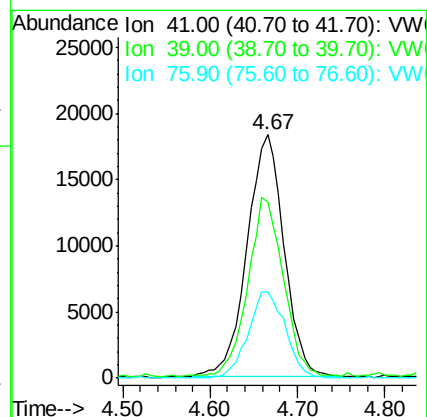
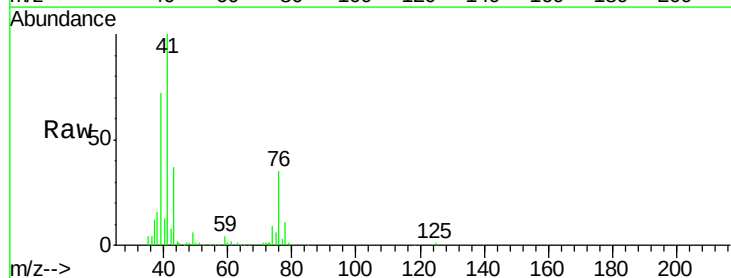
Tgt Ion: 41 Resp: 53894

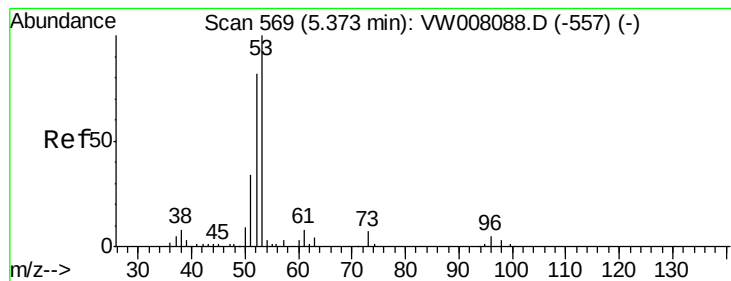
Ion Ratio Lower Upper

41 100

39 70.7 53.8 80.8

76 35.8 27.6 41.4





#15

Acrylonitrile

Concen: 102.987 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

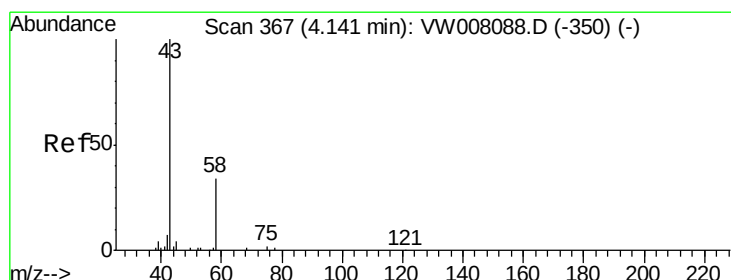
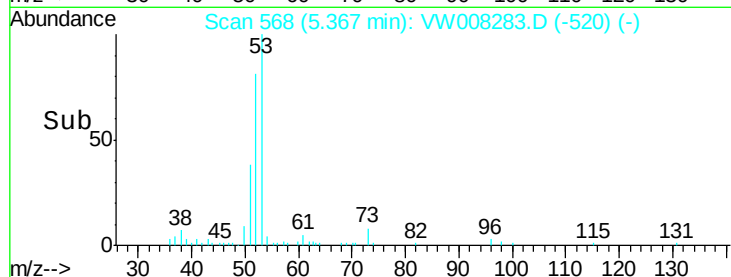
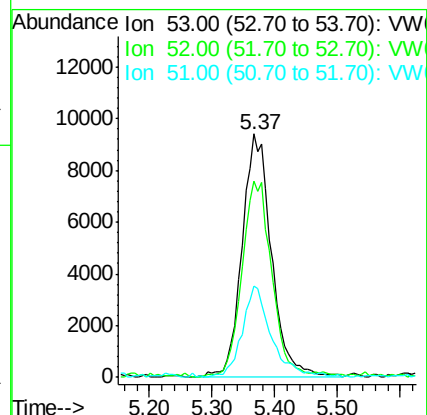
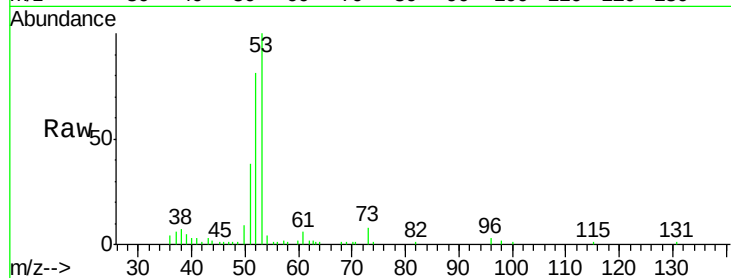
Tot Ion: 53 Resp: 30634

Ion Ratio Lower Upper

53 100

52 81.8 66.8 100.2

51 36.6 29.7 44.5



#16

Acetone

Concen: 124.150 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW008283.D

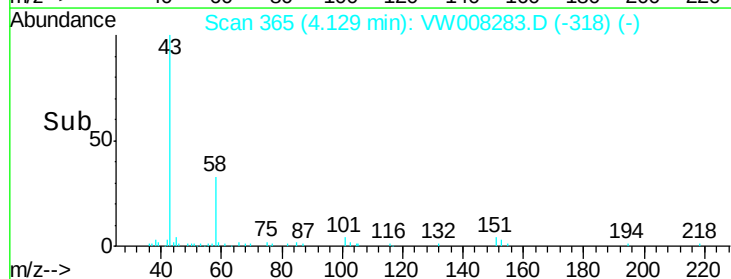
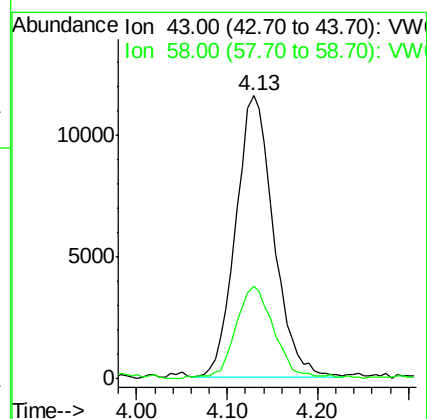
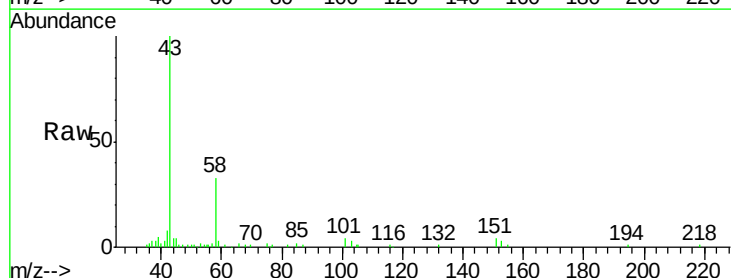
Acq: 15 Jan 2019 14:45

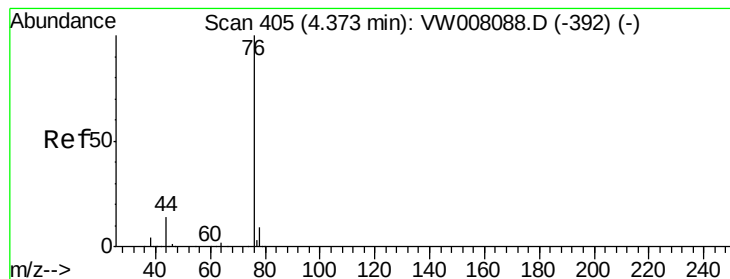
Tgt Ion: 43 Resp: 33500

Ion Ratio Lower Upper

43 100

58 32.3 27.5 41.3





#17

Carbon Disulfide

Concen: 21.891 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

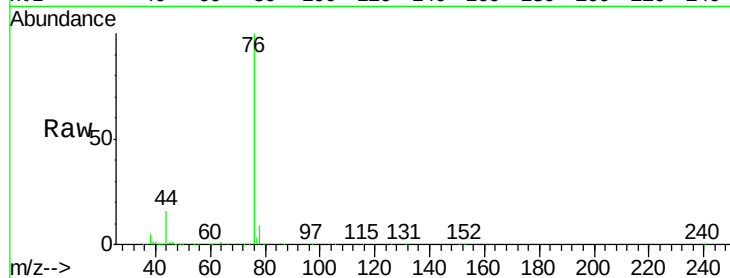
CPSB-07(15-20)MSD

Tot Ion: 76 Resp: 92128

Ion Ratio Lower Upper

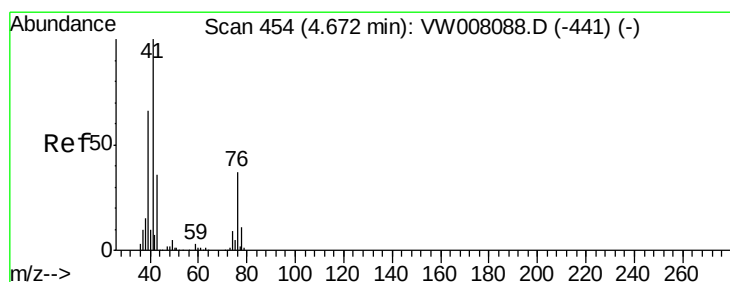
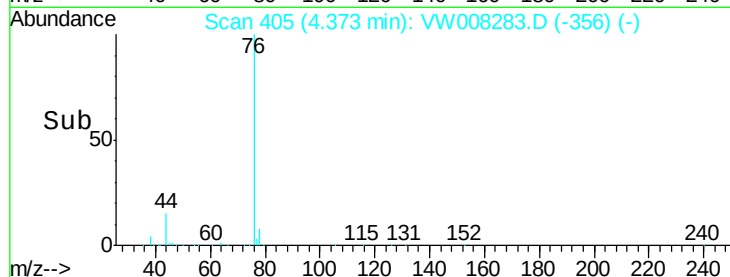
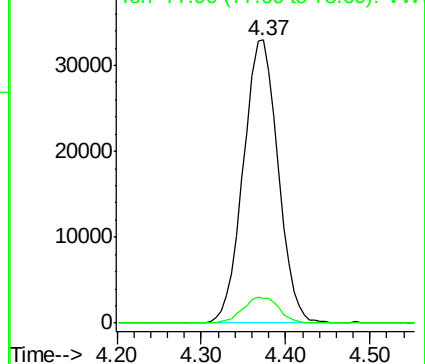
76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 24.760 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008283.D

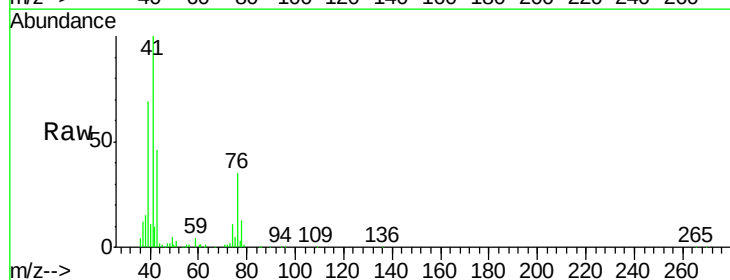
Acq: 15 Jan 2019 14:45

Tgt Ion: 43 Resp: 21636

Ion Ratio Lower Upper

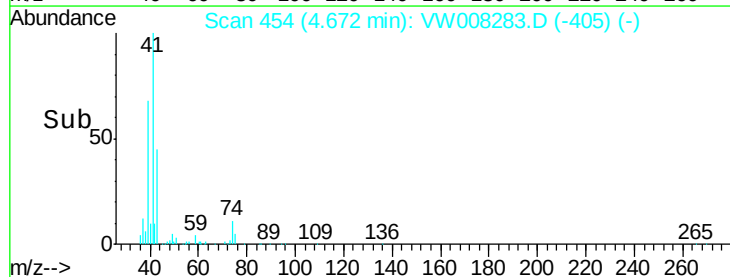
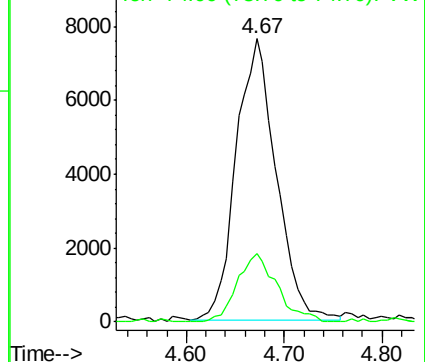
43 100

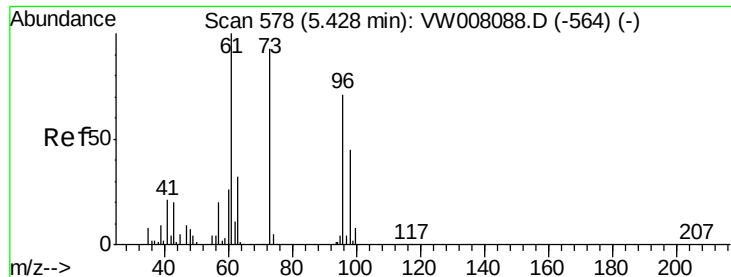
74 24.2 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

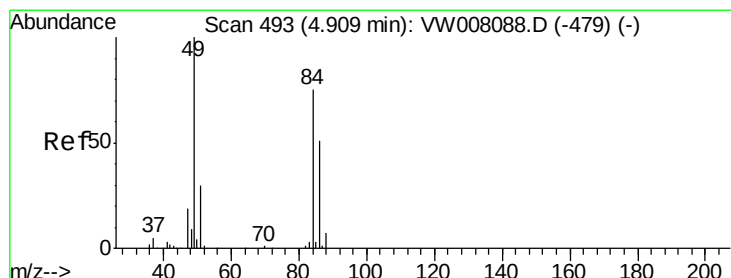
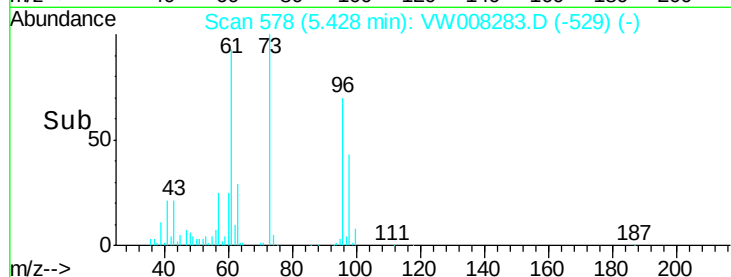
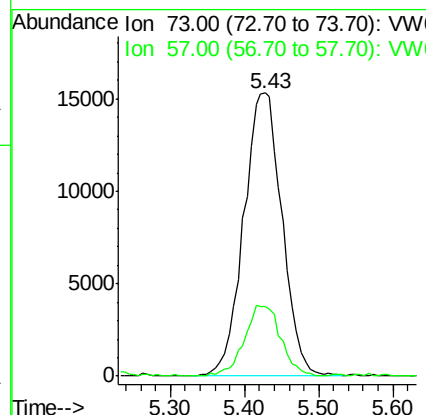
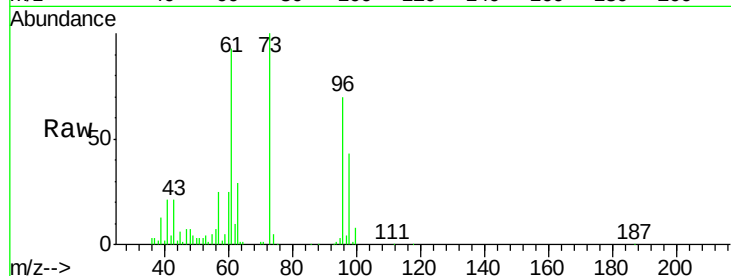




#19
Methyl tert-butyl Ether
Concen: 25.185 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

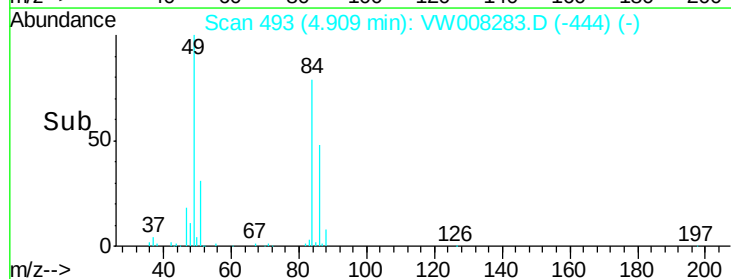
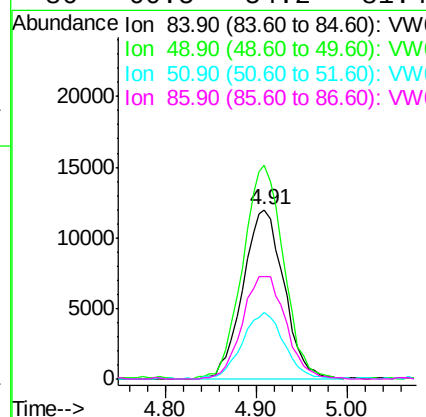
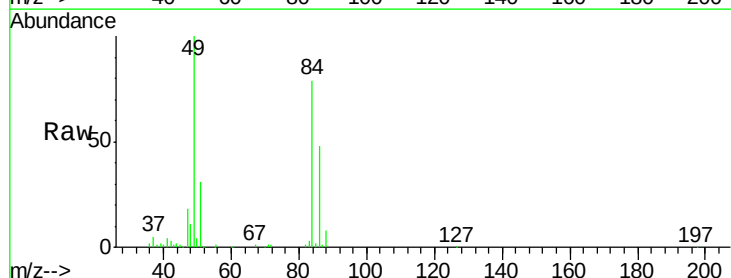
Instrument :
MSVOA_W
ClientSampleId :
CPSB-07(15-20)MSD

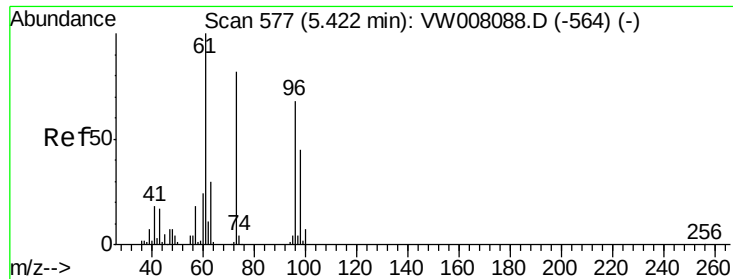
Tot Ion: 73 Resp: 55159
Ion Ratio Lower Upper
73 100
57 24.5 16.7 25.1



#20
Methylene Chloride
Concen: 25.187 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

Tgt Ion: 84 Resp: 37534
Ion Ratio Lower Upper
84 100
49 126.2 107.1 160.7
51 39.0 32.4 48.6
86 60.5 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 23.943 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

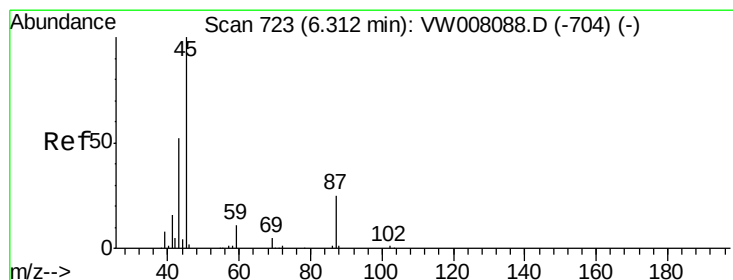
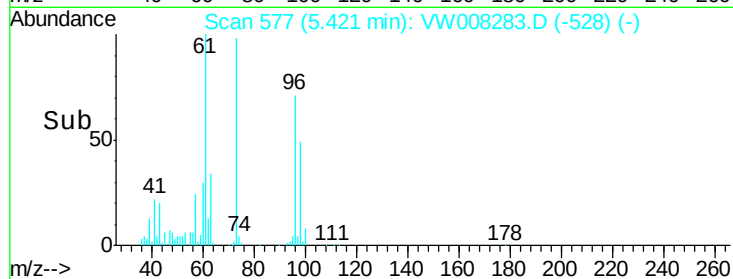
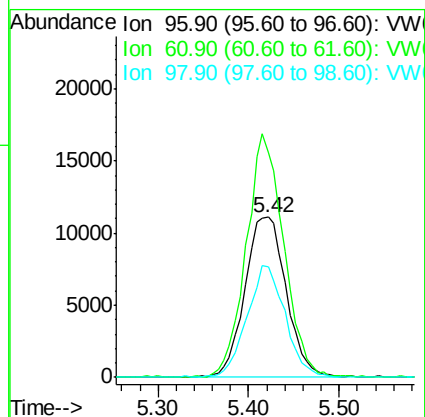
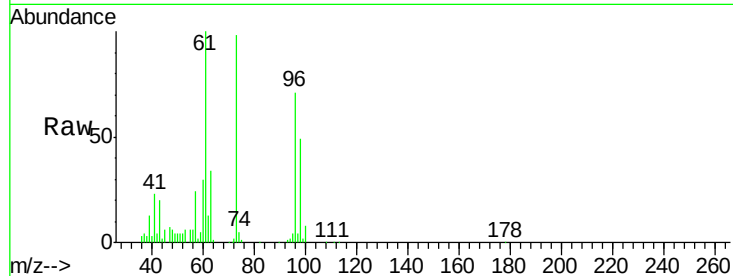
Tot Ion: 96 Resp: 35053

Ion Ratio Lower Upper

96 100

61 140.2 117.4 176.0

98 68.9 52.2 78.4



#22

Diisopropyl ether

Concen: 24.031 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Tgt Ion: 45 Resp: 112098

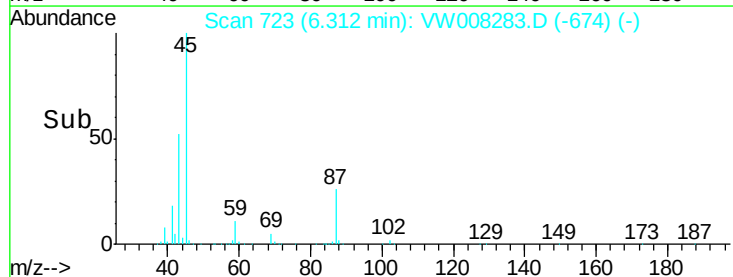
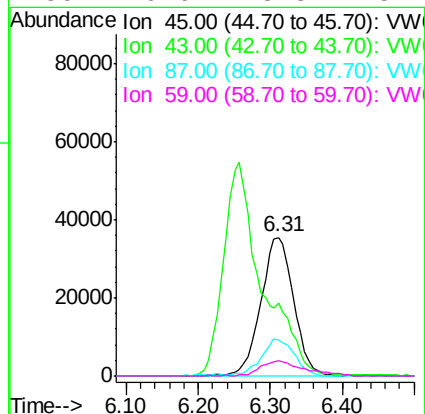
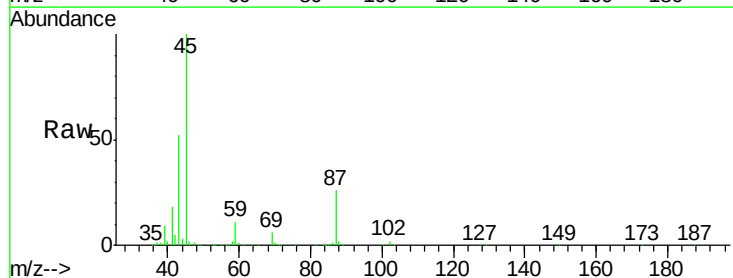
Ion Ratio Lower Upper

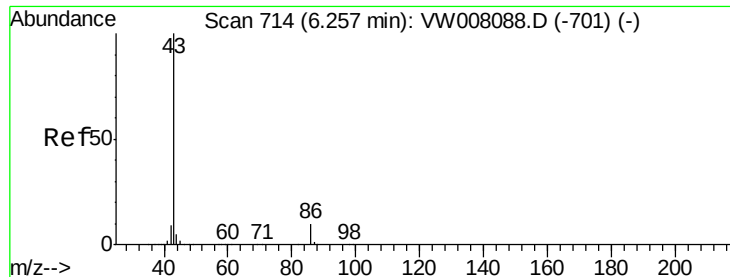
45 100

43 52.1 41.7 62.5

87 26.1 20.1 30.1

59 10.6 8.8 13.2





#23

Vinyl Acetate

Concen: 83.348 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

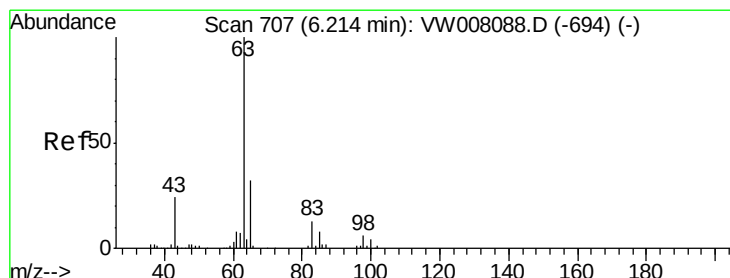
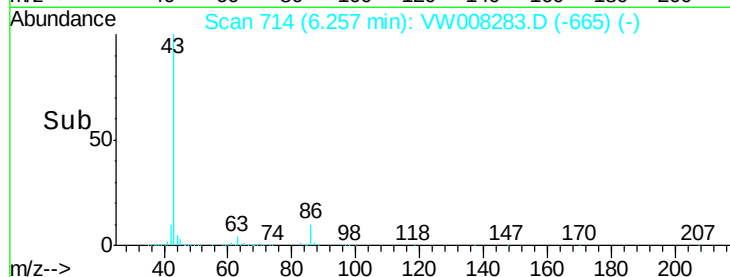
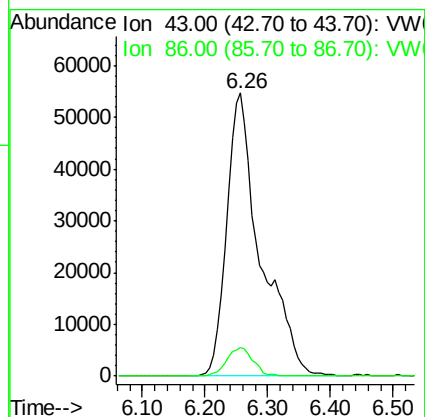
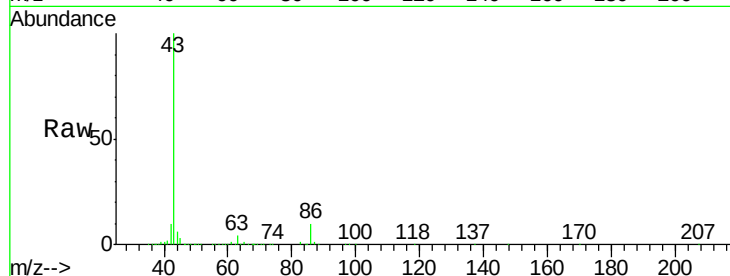
CPSB-07(15-20)MSD

Tot Ion: 43 Resp: 204198

Ion Ratio Lower Upper

43 100

86 10.1 7.7 11.5



#24

1,1-Dichloroethane

Concen: 24.523 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

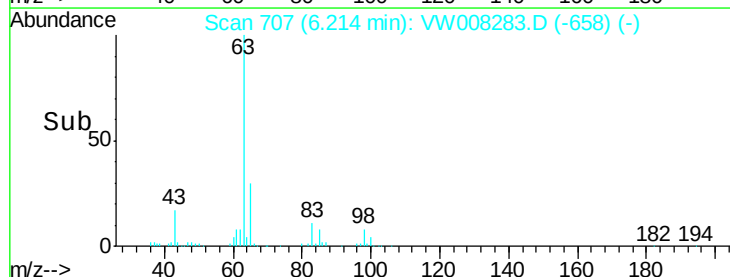
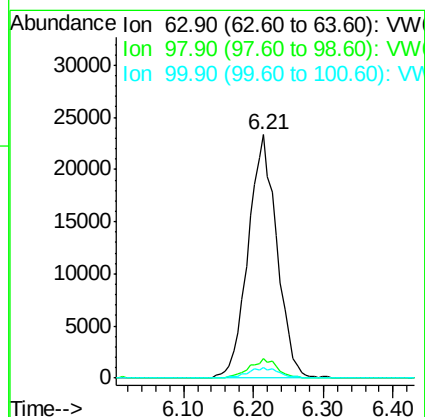
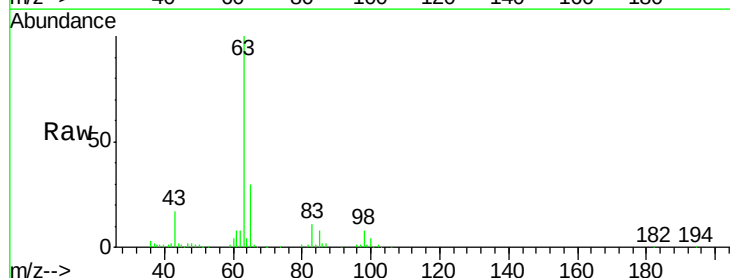
Tgt Ion: 63 Resp: 66652

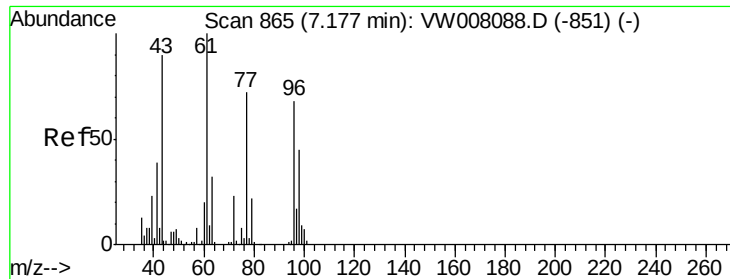
Ion Ratio Lower Upper

63 100

98 8.0 3.2 9.6

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 104.855 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

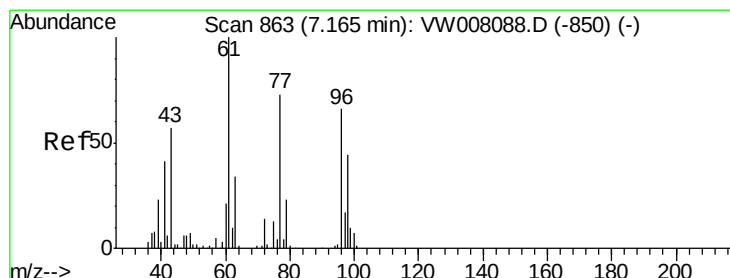
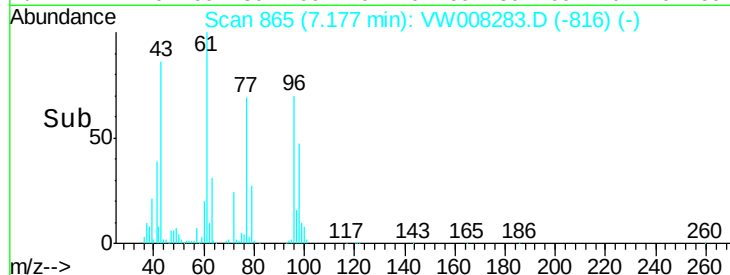
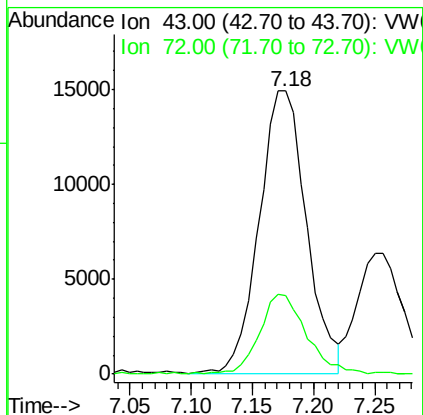
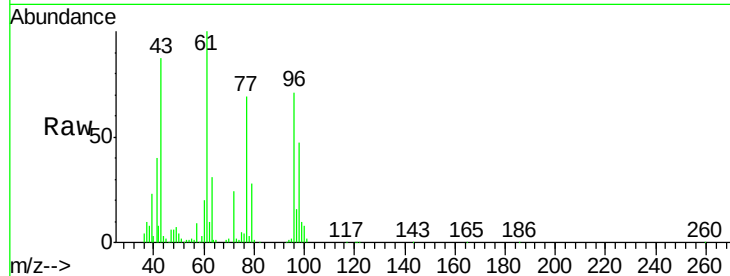
CPSB-07(15-20)MSD

Tot Ion: 43 Resp: 40336

Ion Ratio Lower Upper

43 100

72 27.7 20.5 30.7



#26

2,2-Dichloropropane

Concen: 24.053 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008283.D

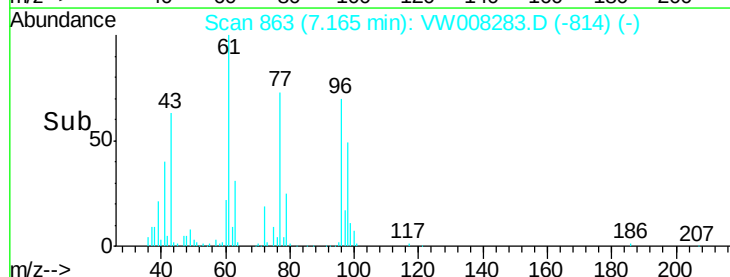
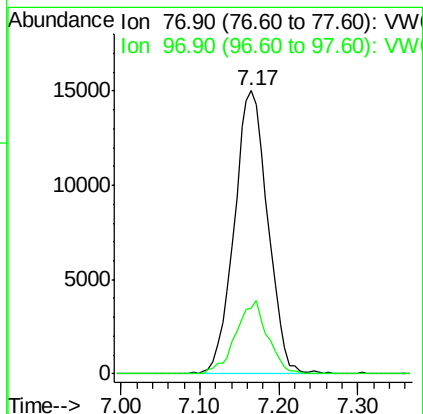
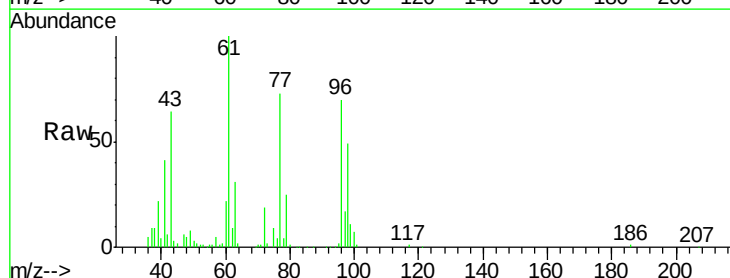
Acq: 15 Jan 2019 14:45

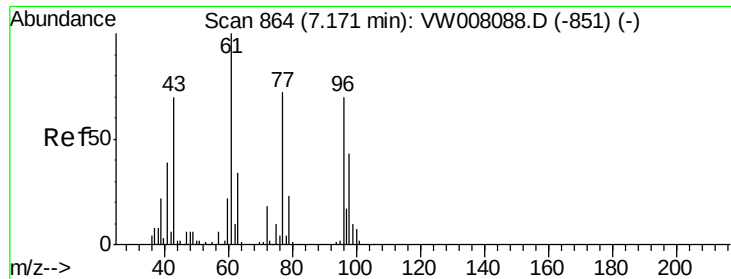
Tgt Ion: 77 Resp: 44297

Ion Ratio Lower Upper

77 100

97 24.6 11.4 34.1



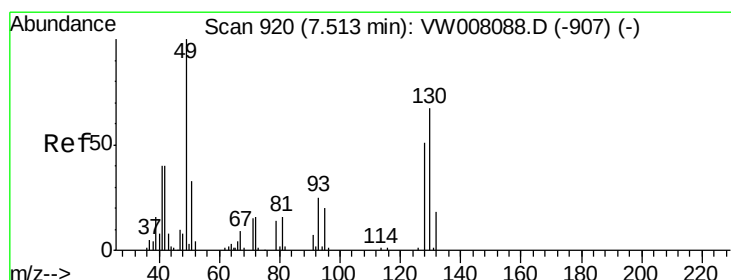
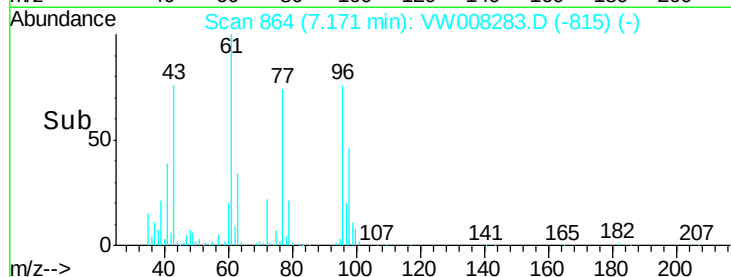
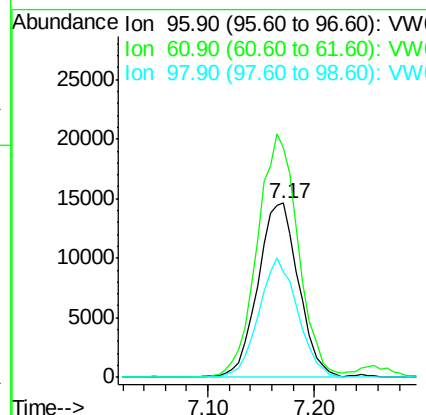
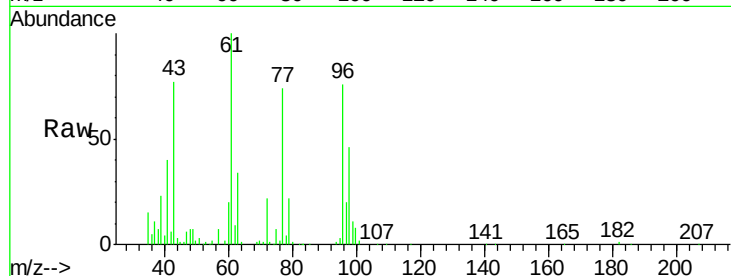


#27

cis-1,2-Dichloroethene
Concen: 24.462 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
CPSB-07(15-20)MSD

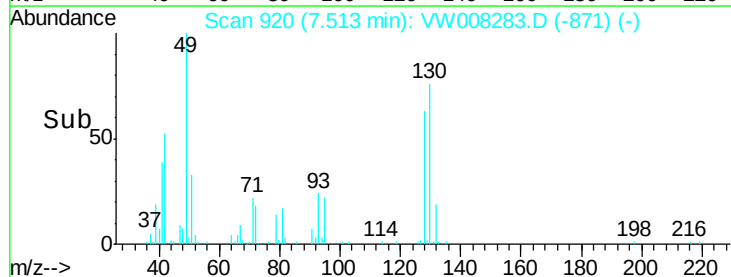
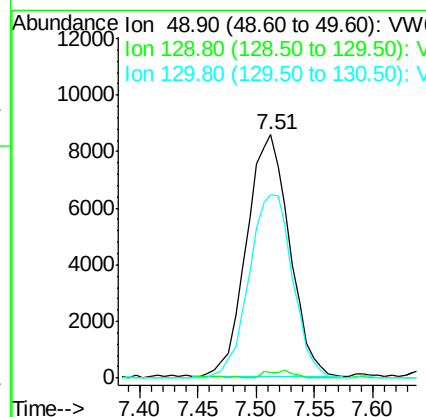
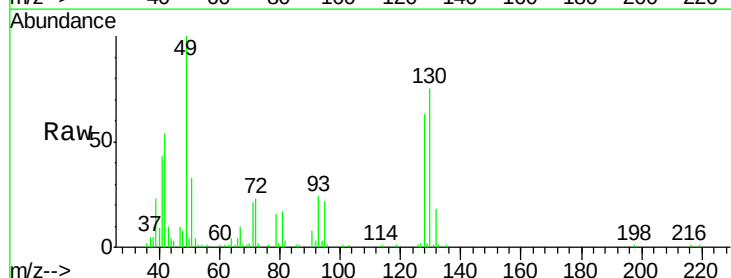
Tot Ion: 96 Resp: 39073
Ion Ratio Lower Upper
96 100
61 140.5 0.0 300.4
98 65.6 0.0 128.4

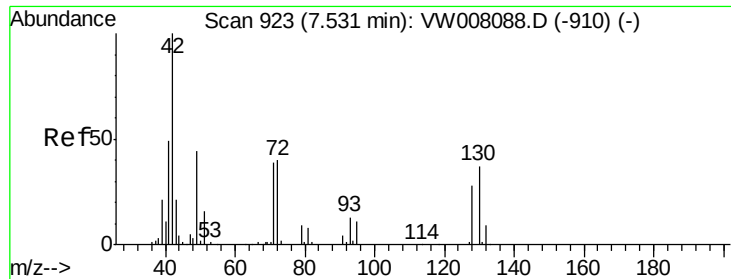


#28

Bromochloromethane
Concen: 20.352 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

Tgt Ion: 49 Resp: 21880
Ion Ratio Lower Upper
49 100
129 2.0 0.0 2.8
130 77.1 54.3 81.5

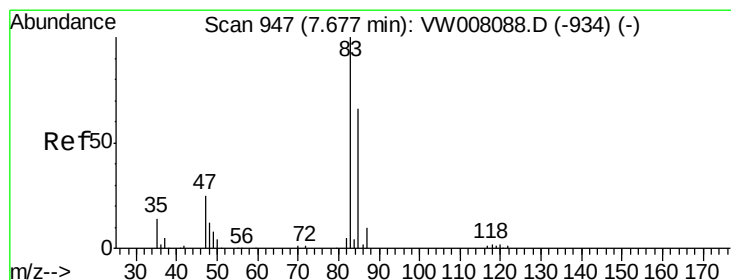
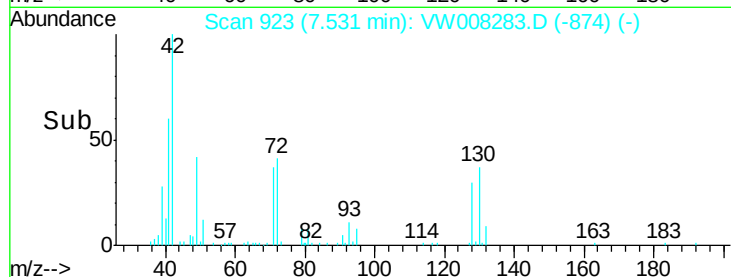
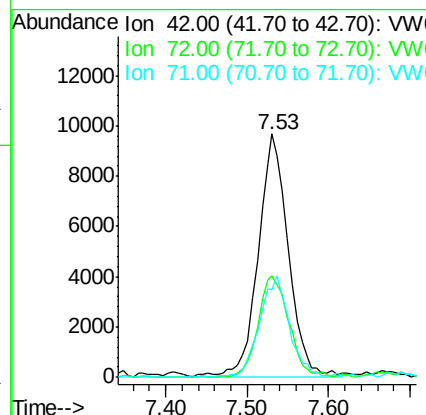
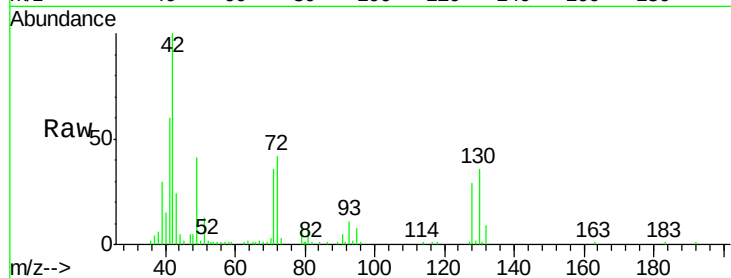




#29
Tetrahydrofuran
Concen: 97.597 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

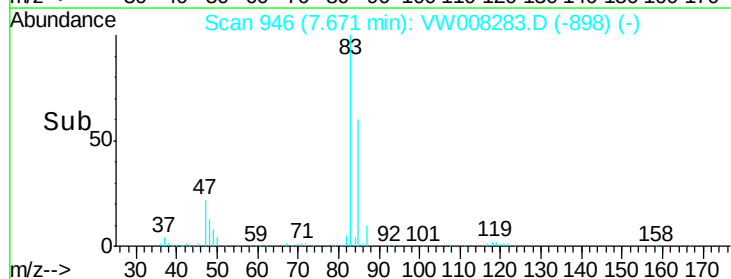
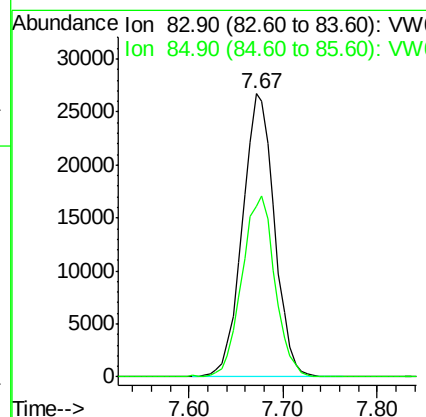
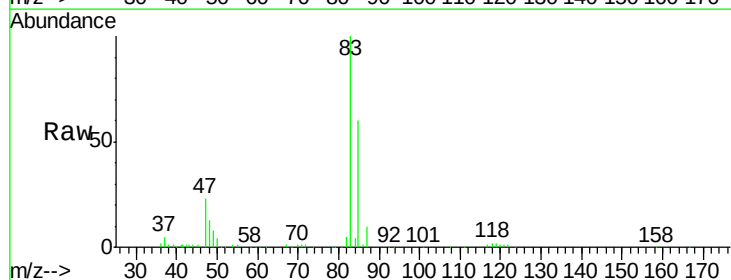
Instrument :
MSVOA_W
ClientSampleId :
CPSB-07(15-20)MSD

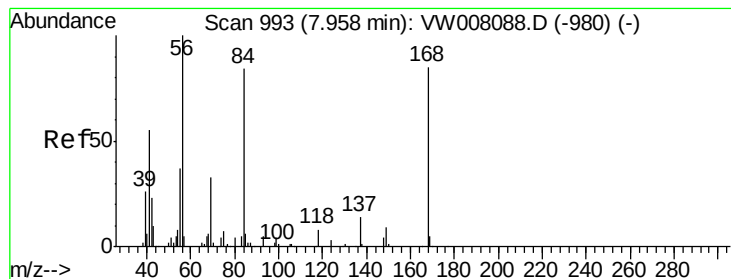
Tot Ion: 42 Resp: 25079
Ion Ratio Lower Upper
42 100
72 42.4 32.4 48.6
71 41.2 31.3 46.9



#30
Chloroform
Concen: 24.530 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

Tgt Ion: 83 Resp: 63461
Ion Ratio Lower Upper
83 100
85 59.9 53.2 79.8





#31

Cyclohexane

Concen: 7.721 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

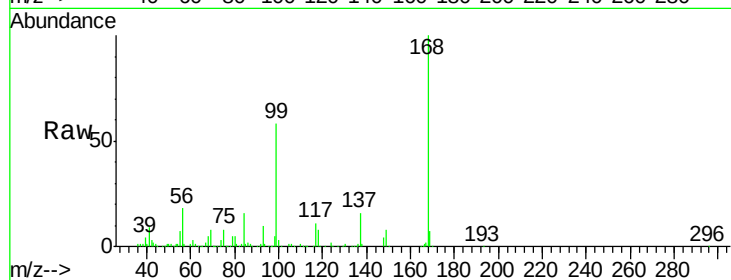
Tot Ion: 56 Resp: 22465

Ion Ratio Lower Upper

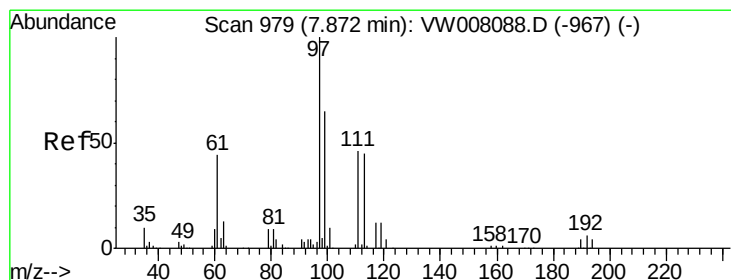
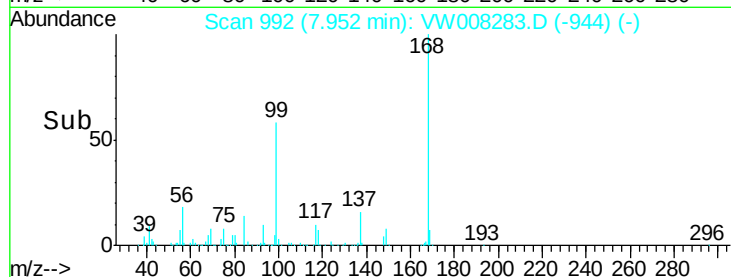
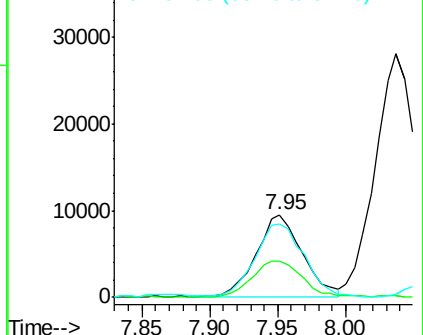
56 100

69 44.1 26.2 39.4#

84 86.3 67.4 101.2



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



#32

1,1,1-Trichloroethane

Concen: 20.712 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

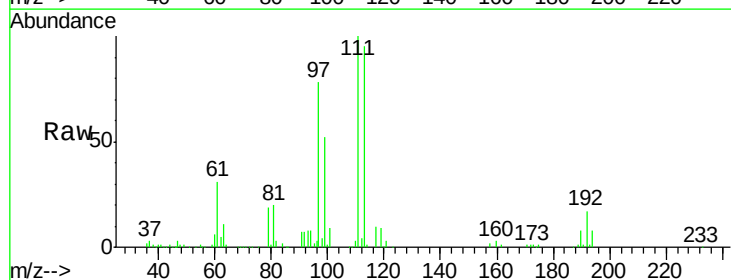
Tgt Ion: 97 Resp: 46625

Ion Ratio Lower Upper

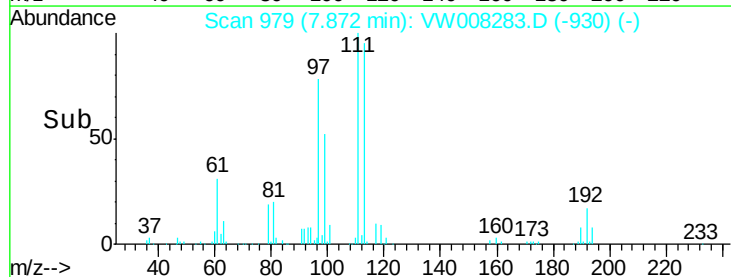
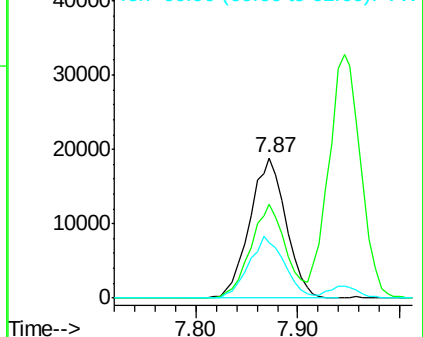
97 100

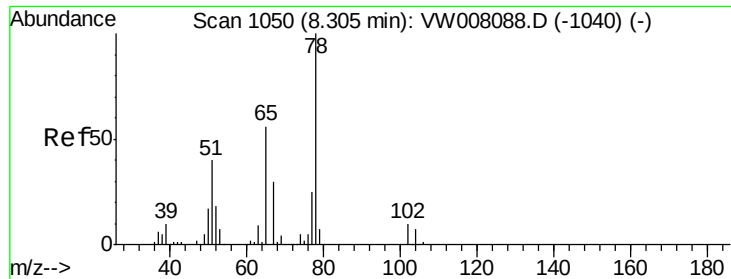
99 65.3 51.4 77.0

61 43.5 35.6 53.4



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

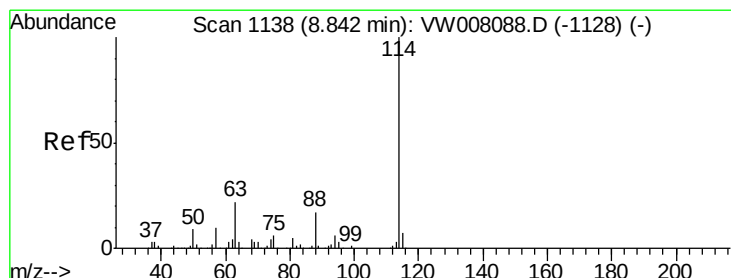
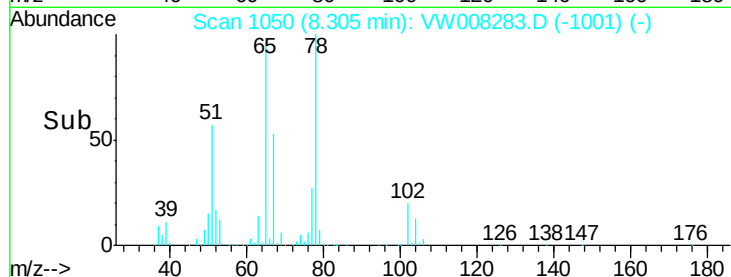
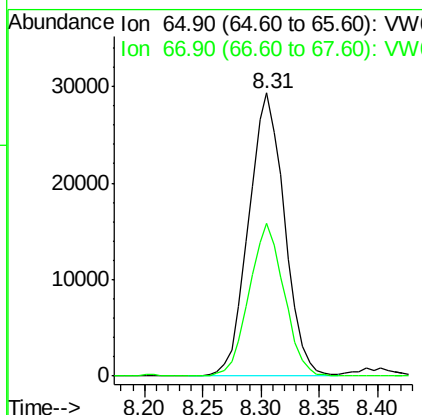
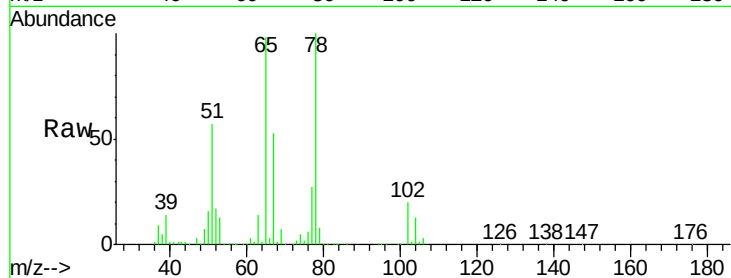




#33
 1,2-Dichloroethane-d4
 Concen: 45.688 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

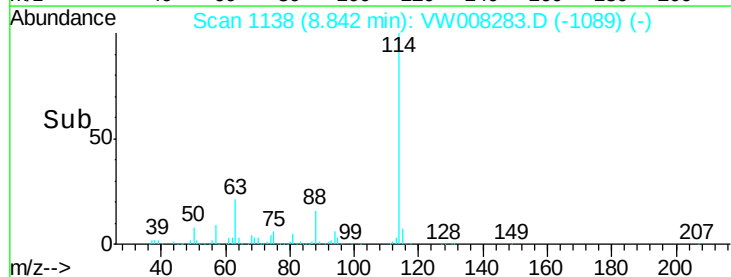
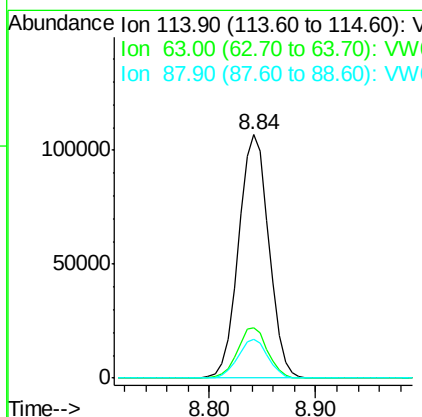
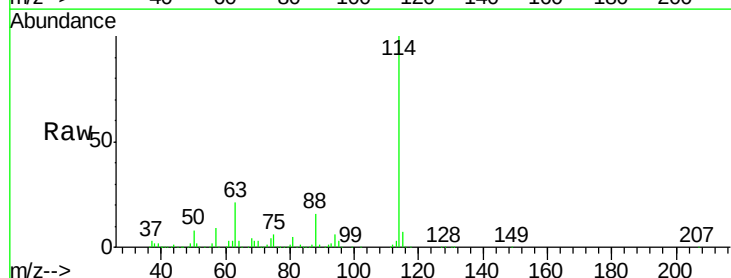
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-07(15-20)MSD

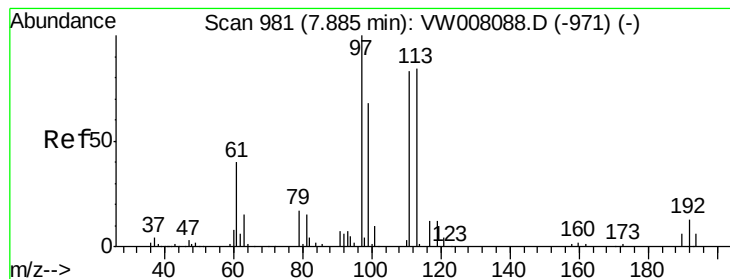
Tot Ion: 65 Resp: 63168
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

Tgt Ion: 114 Resp: 213351
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.4
 88 15.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.438 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

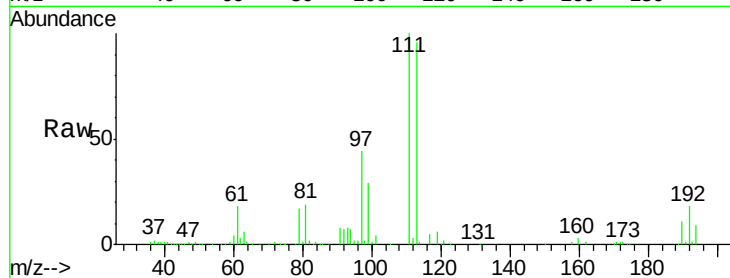
Tot Ion:113 Resp: 67740

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.8

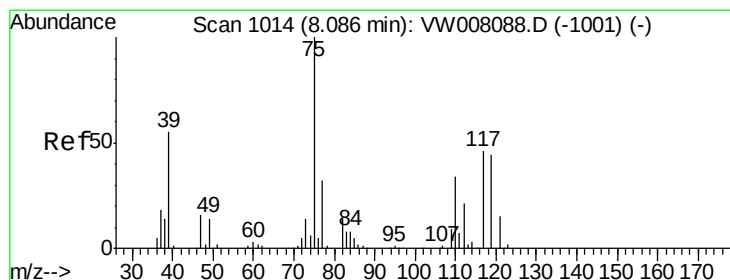
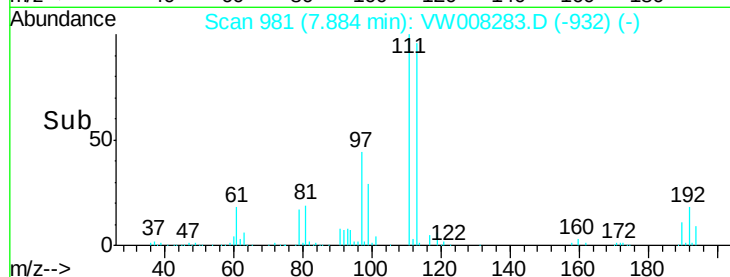
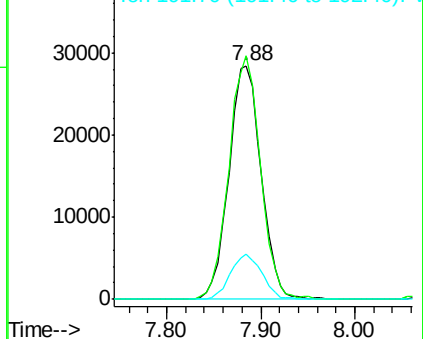
192 18.8 12.8 19.2



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: 17.022 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

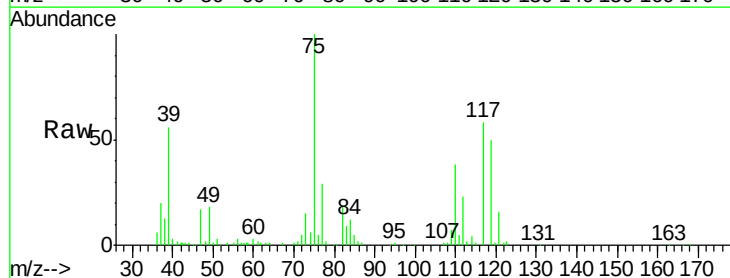
Tgt Ion: 75 Resp: 37409

Ion Ratio Lower Upper

75 100

110 37.1 17.1 51.3

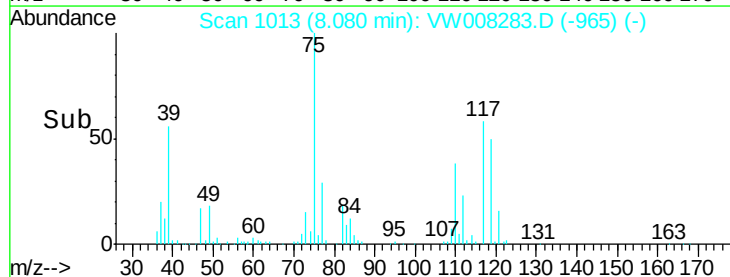
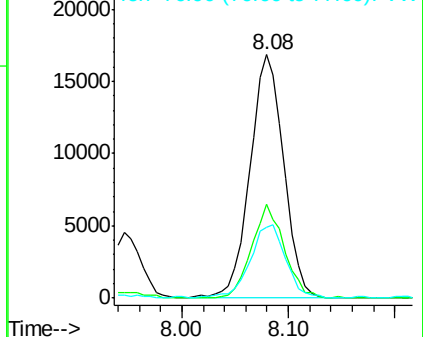
77 31.8 25.5 38.3

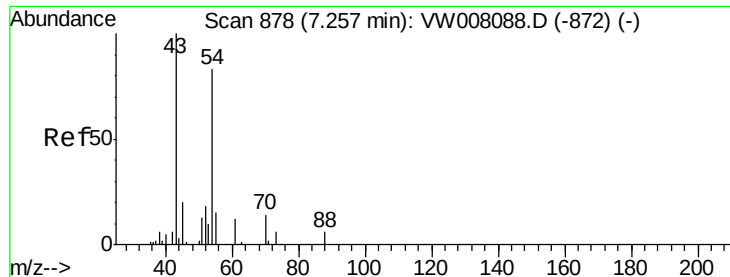


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

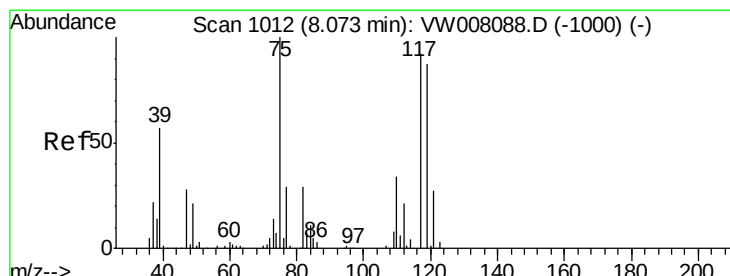
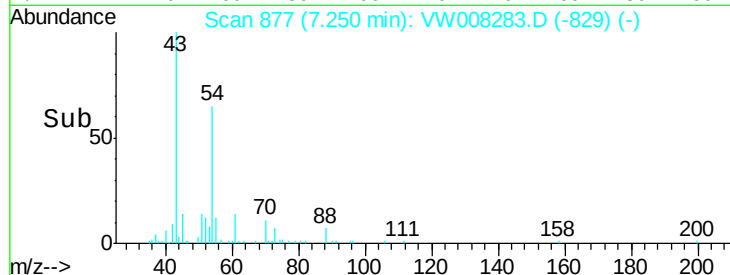
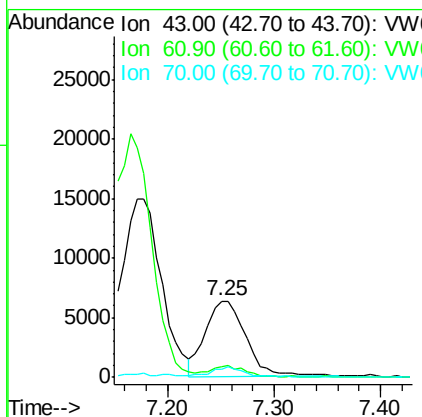
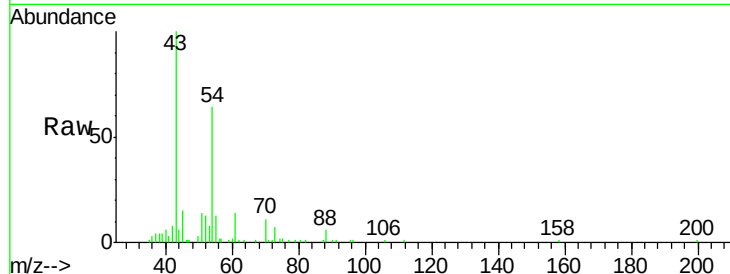




#37
Ethyl Acetate
Concen: 18.852 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

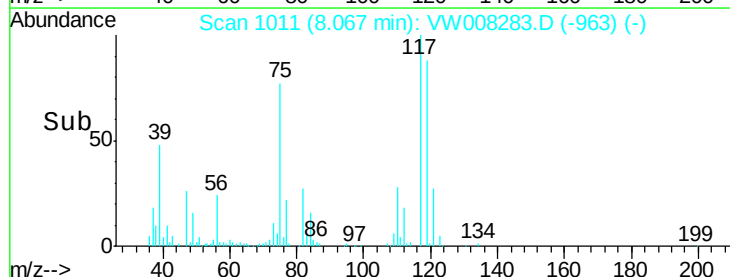
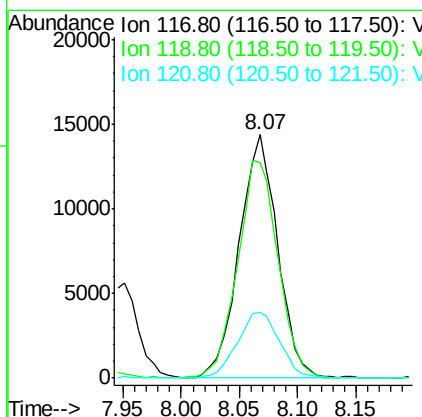
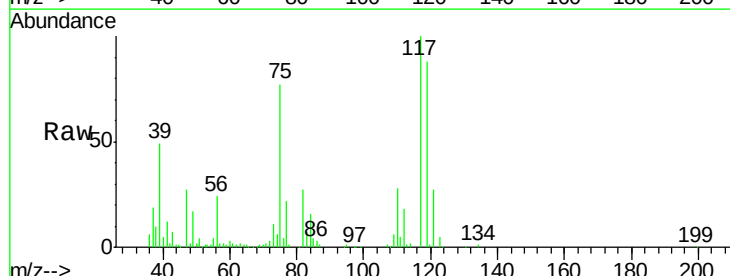
Instrument :
MSVOA_W
ClientSampleId :
CPSB-07(15-20)MSD

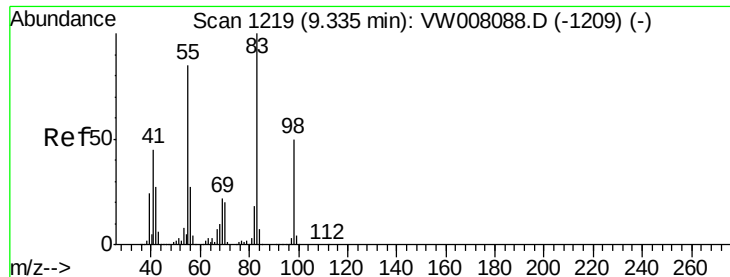
Tot Ion: 43 Resp: 16599
Ion Ratio Lower Upper
43 100
61 12.7 10.6 16.0
70 12.5 8.9 13.3



#38
Carbon Tetrachloride
Concen: 16.458 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

Tgt Ion: 117 Resp: 33105
Ion Ratio Lower Upper
117 100
119 88.5 75.8 113.8
121 27.2 23.7 35.5

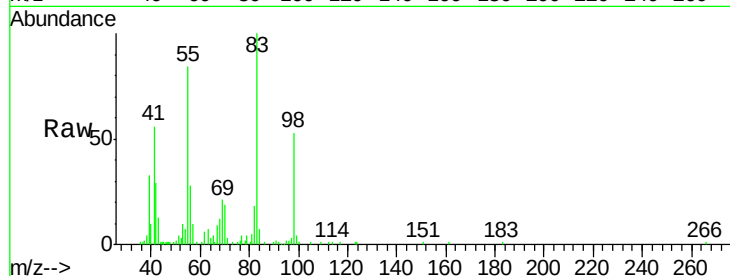




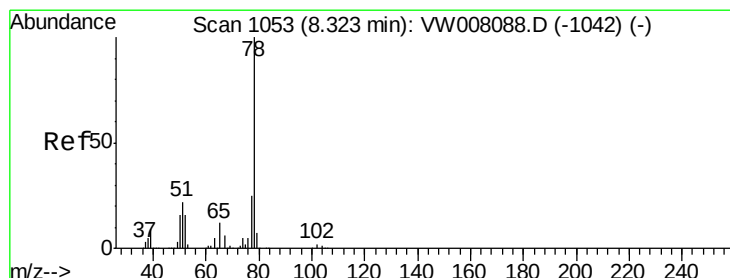
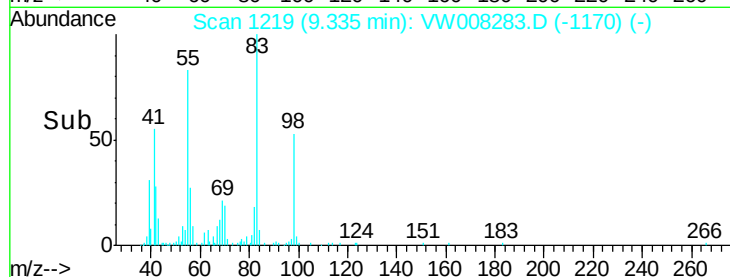
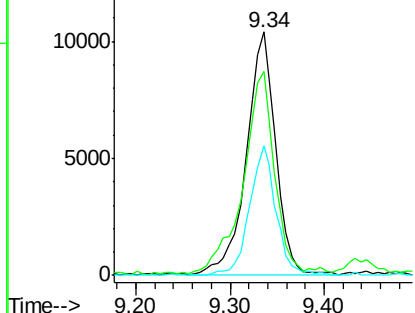
#39
Methylvlcyclohexane
Concen: 8.219 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
CPSB-07(15-20)MSD

Tot Ion: 83 Resp: 22903
Ion Ratio Lower Upper
83 100
55 82.6 67.8 101.6
98 53.1 40.2 60.4

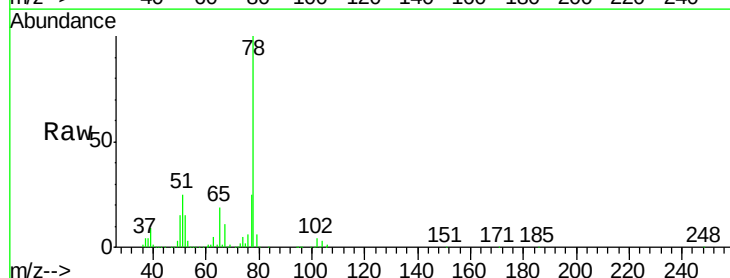


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

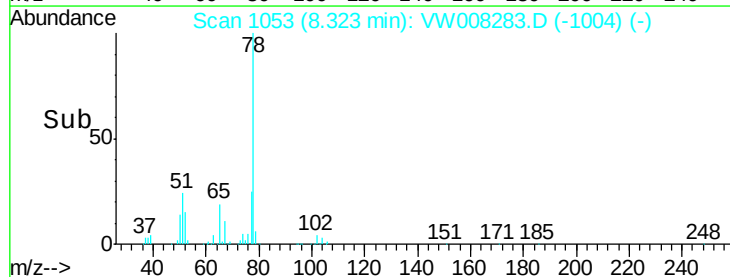
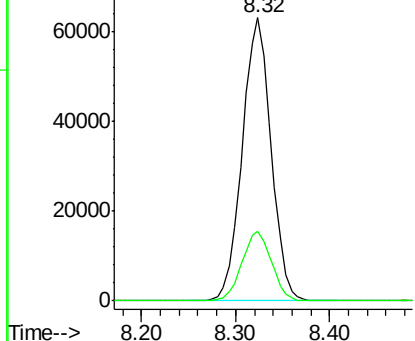


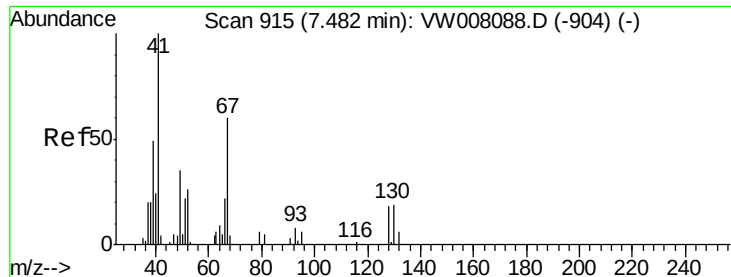
#40
Benzene
Concen: 22.593 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

Tgt Ion: 78 Resp: 134676
Ion Ratio Lower Upper
78 100
77 24.6 20.2 30.4



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

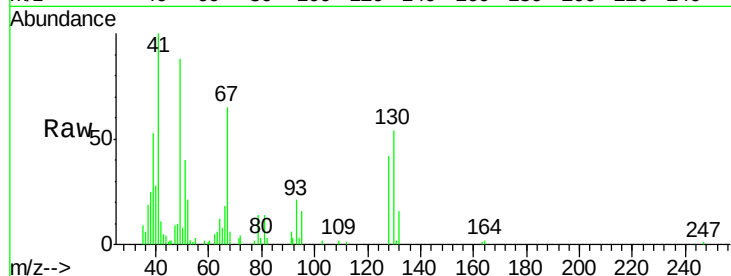




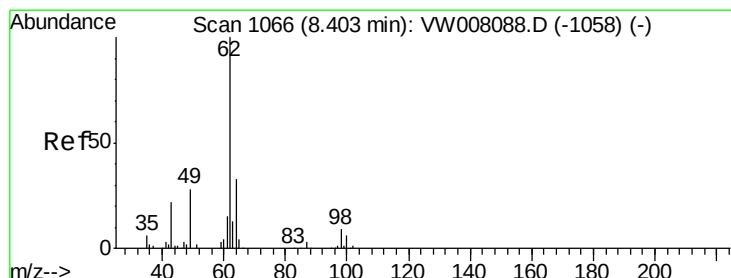
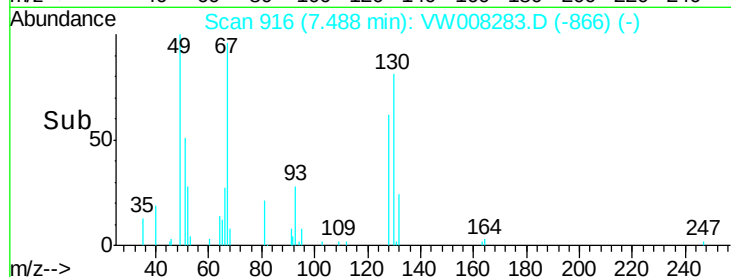
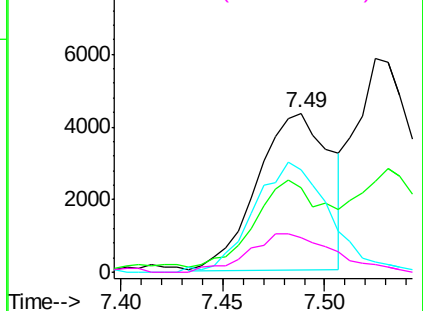
#41
Methacrylonitrile
Concen: 19.477 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
CPSB-07(15-20)MSD

Tot Ion:	41	Resp:	10833
Ion	Ratio	Lower	Upper
41	100		
39	52.8	47.9	71.9
67	73.0	56.3	84.5
52	28.4	24.5	36.7

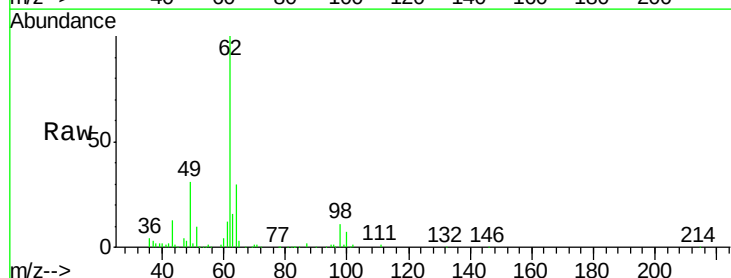


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

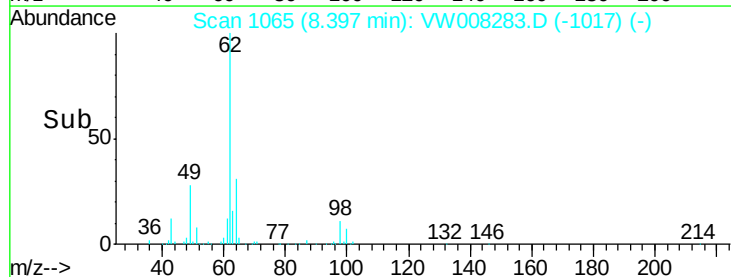
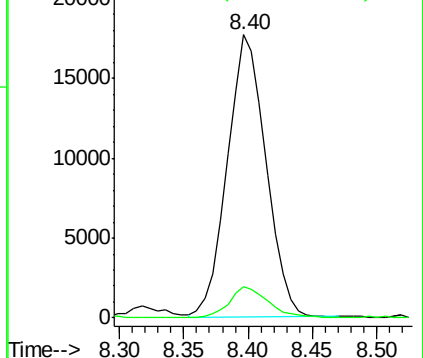


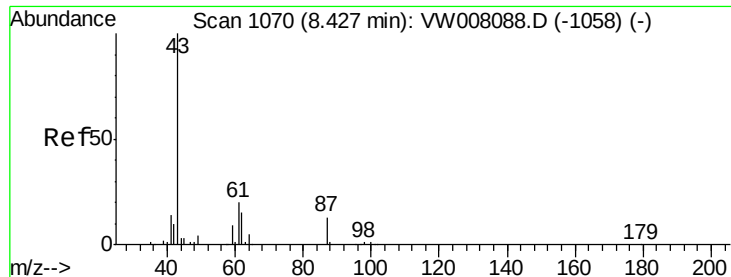
#42
1,2-Dichloroethane
Concen: 22.010 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

Tgt Ion:	62	Resp:	36900
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.509 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

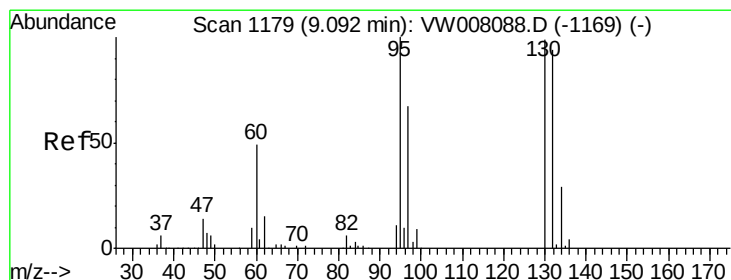
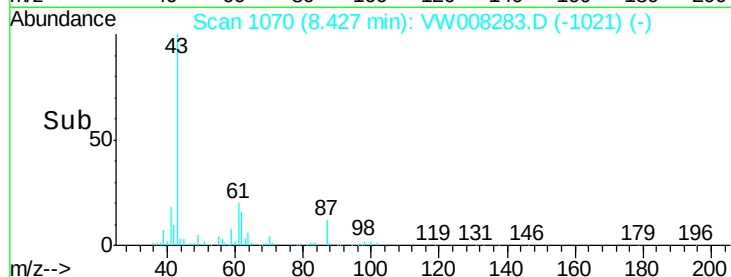
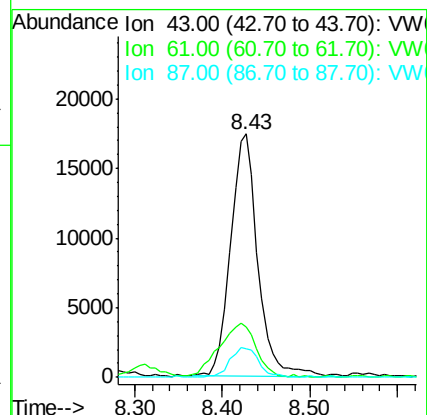
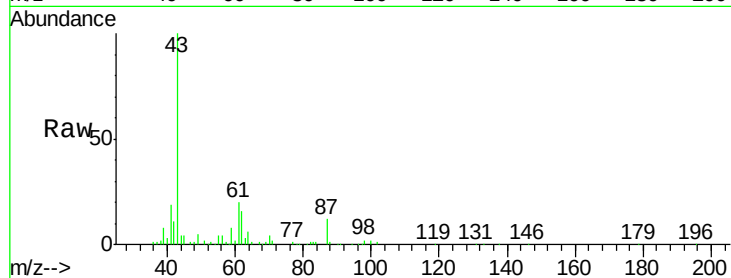
Tot Ion: 43 Resp: 37865

Ion Ratio Lower Upper

43 100

61 29.5 24.8 37.2

87 12.9 10.4 15.6



#44

Trichloroethene

Concen: 19.684 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008283.D

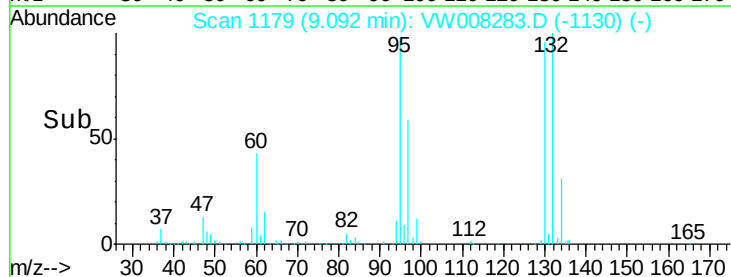
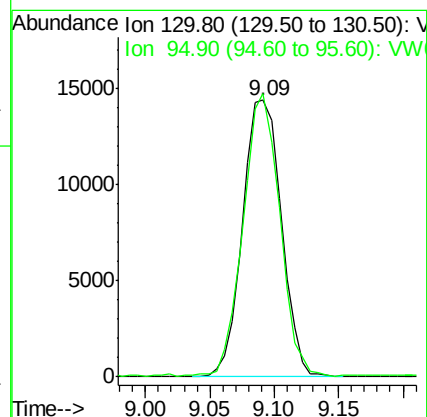
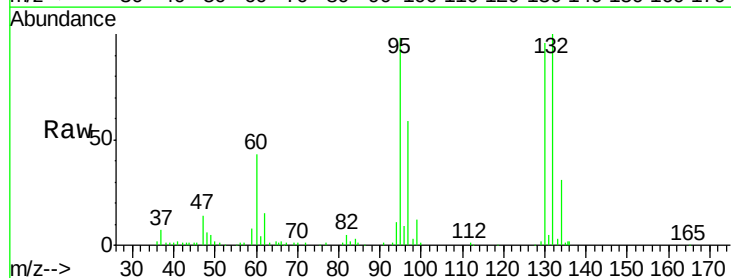
Acq: 15 Jan 2019 14:45

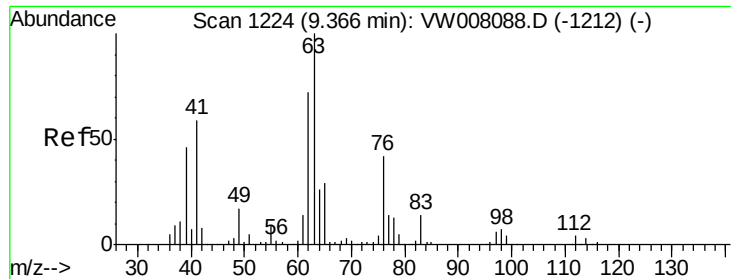
Tgt Ion:130 Resp: 30036

Ion Ratio Lower Upper

130 100

95 101.8 0.0 202.8

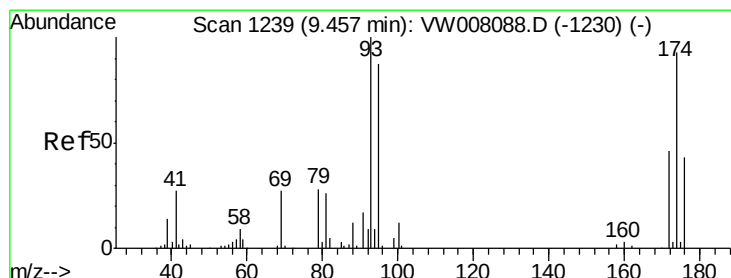
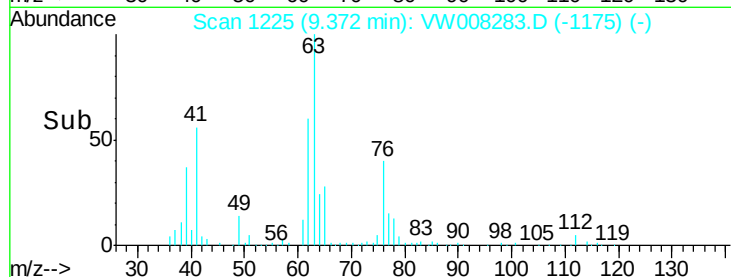
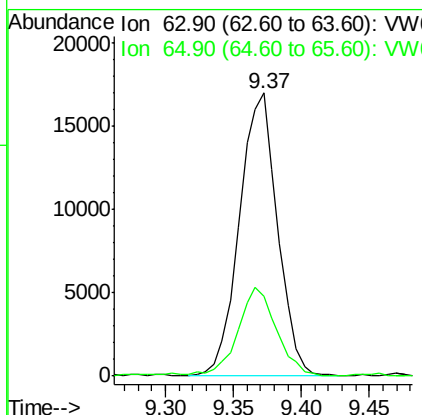
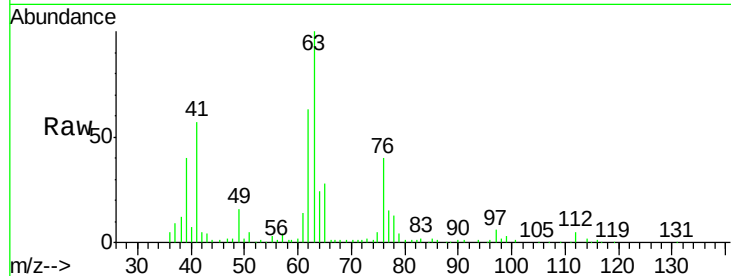




#45
 1,2-Dichloropropane
 Concen: 22.499 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

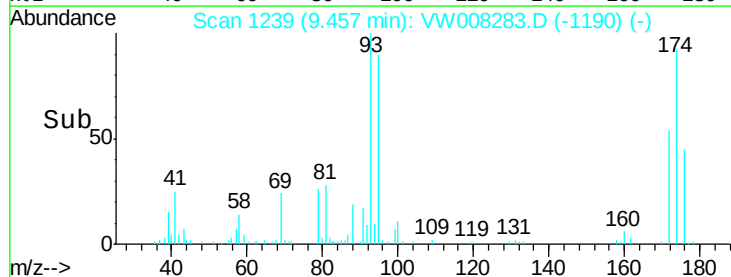
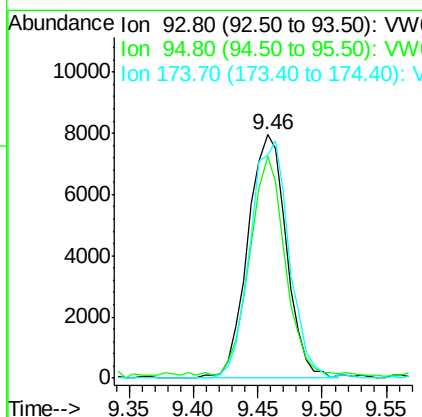
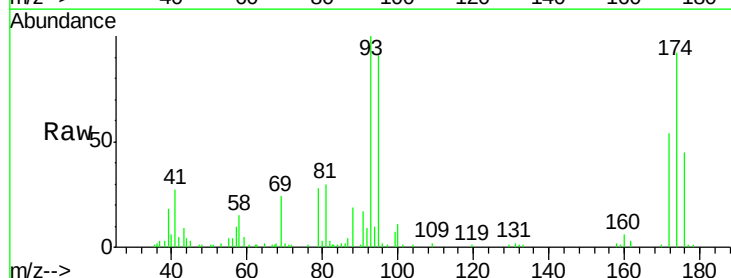
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-07(15-20)MSD

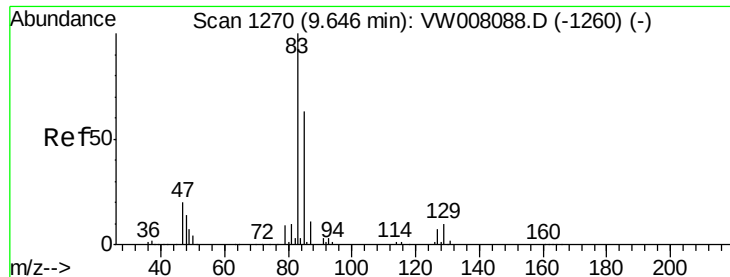
Tot Ion: 63 Resp: 33255
 Ion Ratio Lower Upper
 63 100
 65 28.4 23.3 34.9



#46
 Dibromomethane
 Concen: 22.620 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

Tgt Ion: 93 Resp: 16419
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.5 101.3
 174 98.5 72.5 108.7





#47

Bromodichloromethane

Concen: 22.783 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

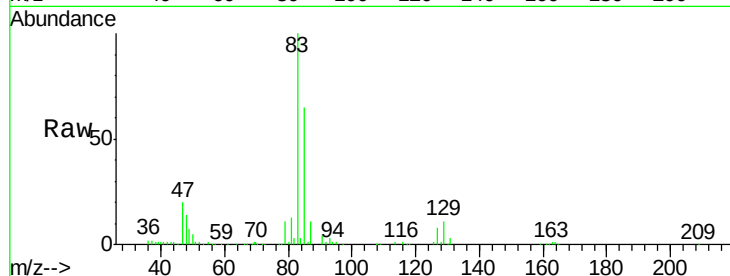
Tot Ion: 83 Resp: 41992

Ion Ratio Lower Upper

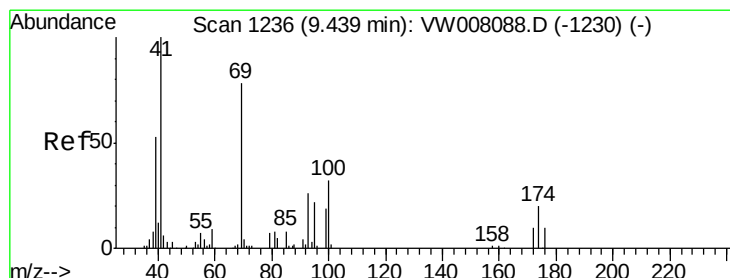
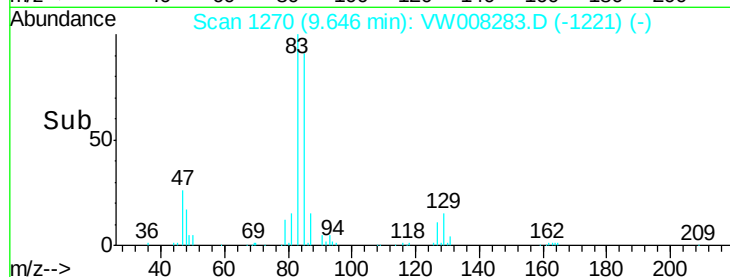
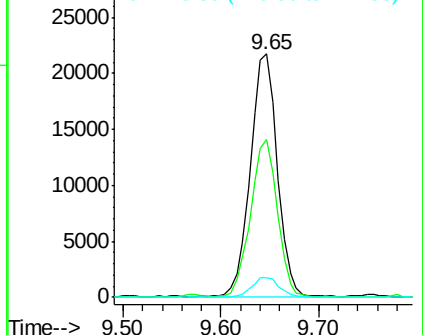
83 100

85 64.8 50.7 76.1

127 8.1 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: 21.238 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

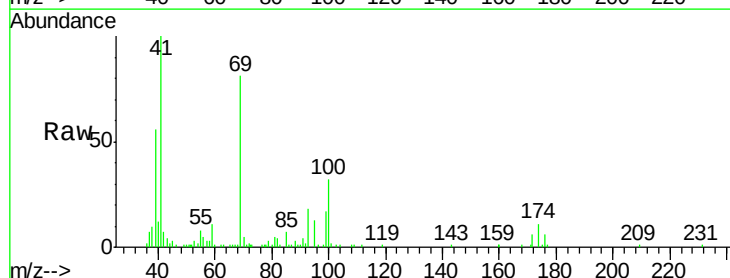
Tgt Ion: 41 Resp: 17642

Ion Ratio Lower Upper

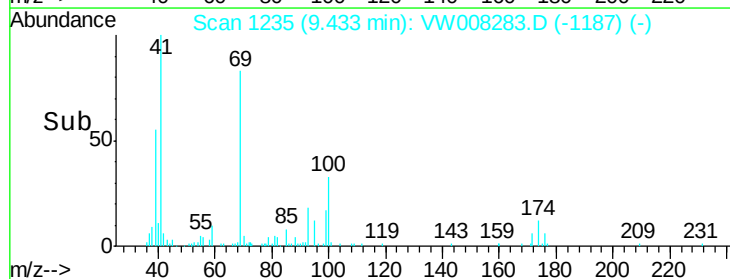
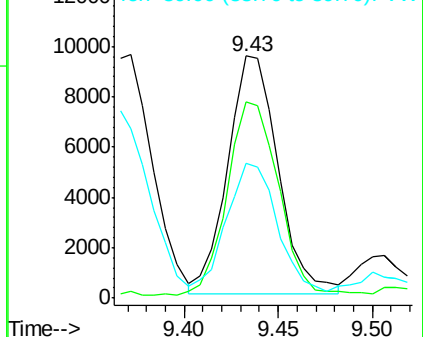
41 100

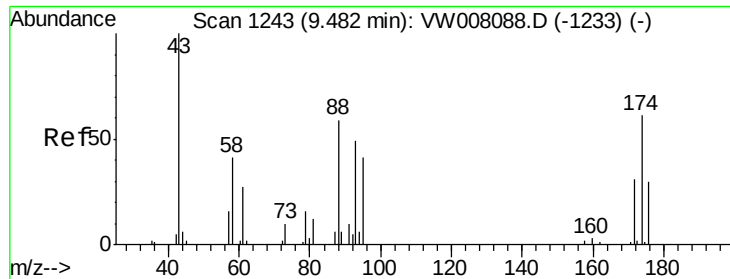
69 85.2 61.9 92.9

39 55.2 43.0 64.4



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 394.059 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.02 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

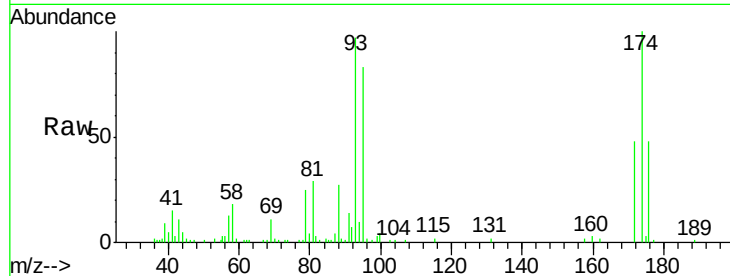
Tot Ion: 88 Resp: 4600

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

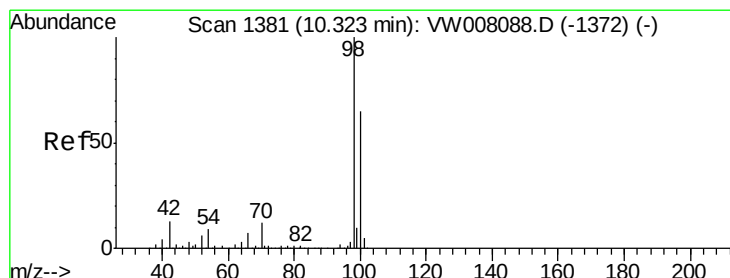
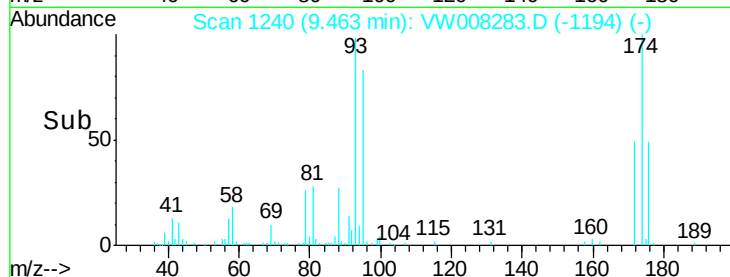
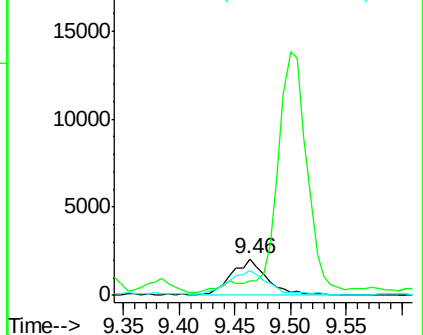
58 80.9 61.7 92.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 46.291 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008283.D

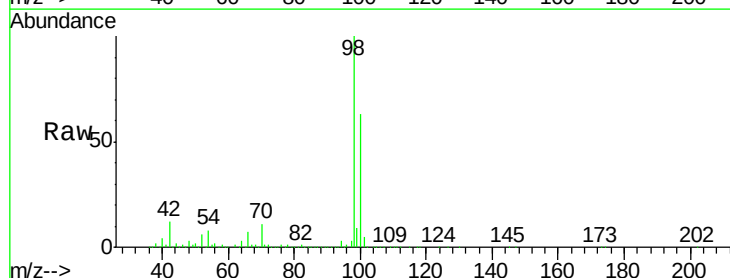
Acq: 15 Jan 2019 14:45

Tgt Ion: 98 Resp: 241722

Ion Ratio Lower Upper

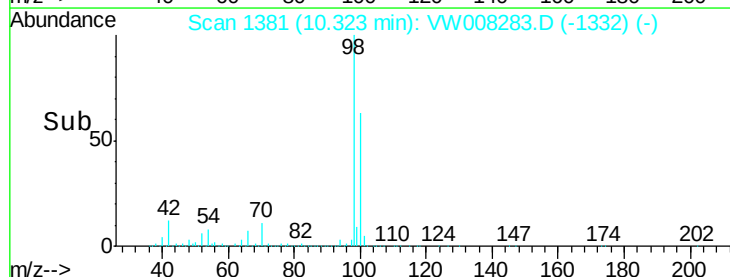
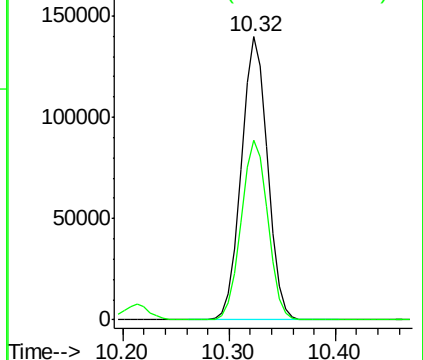
98 100

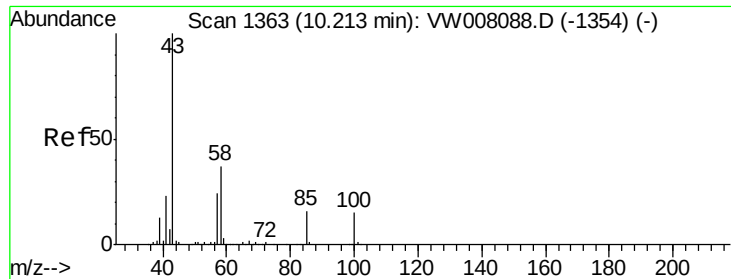
100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

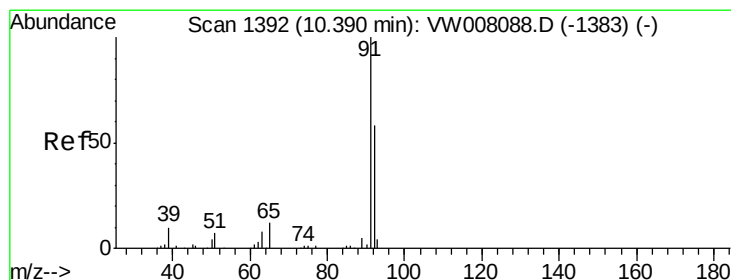
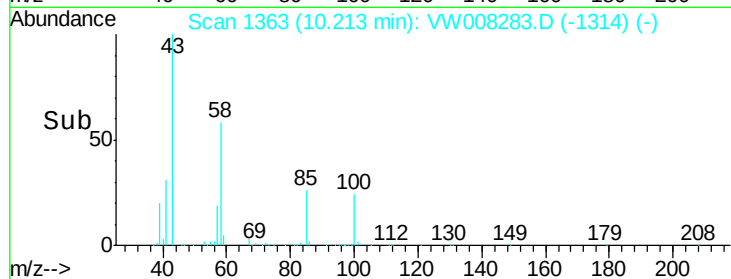
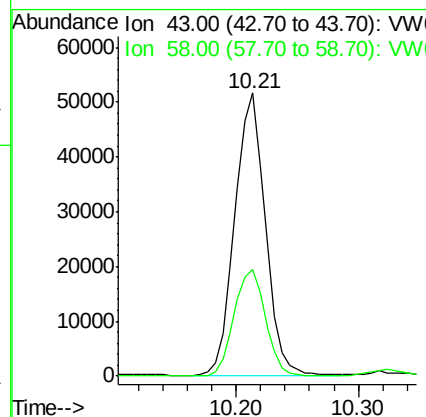
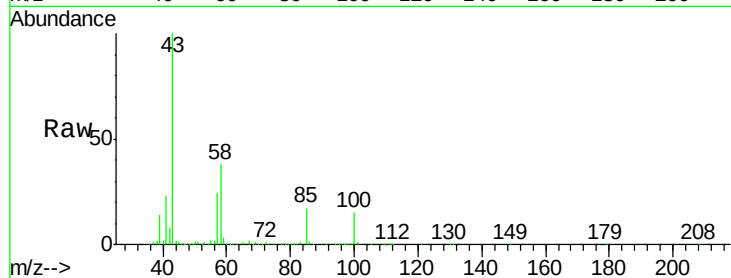




#51
4-Methyl-2-Pentanone
Concen: 103.979 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

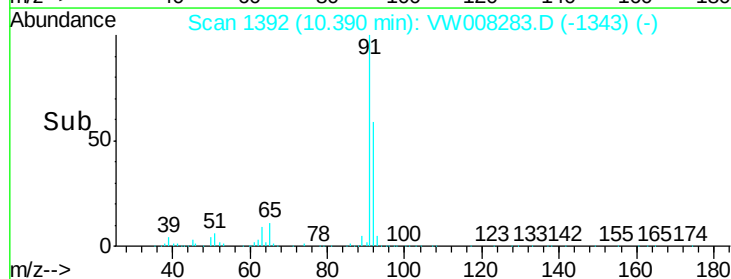
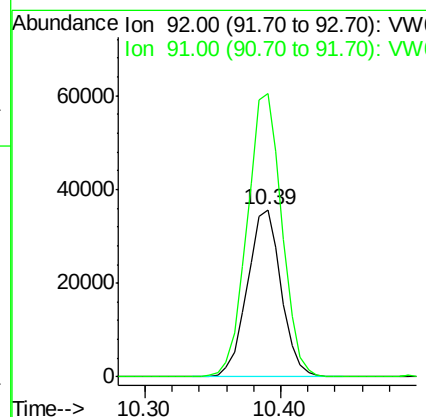
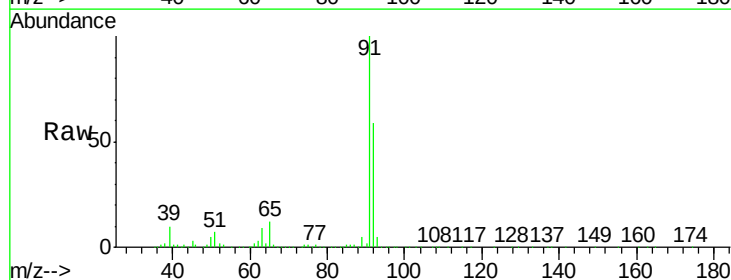
Instrument :
MSVOA_W
ClientSampleId :
CPSB-07(15-20)MSD

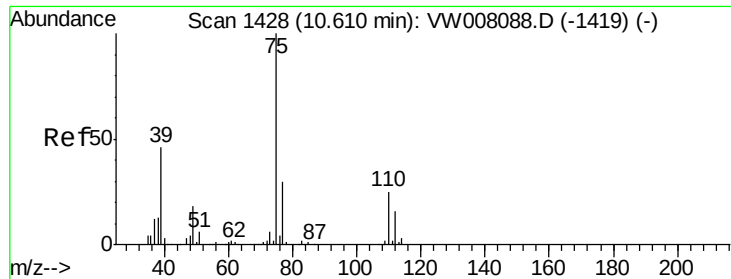
Tot Ion: 43 Resp: 88604
Ion Ratio Lower Upper
43 100
58 39.3 30.6 46.0



#52
Toluene
Concen: 16.309 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

Tgt Ion: 92 Resp: 62085
Ion Ratio Lower Upper
92 100
91 173.1 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 20.138 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

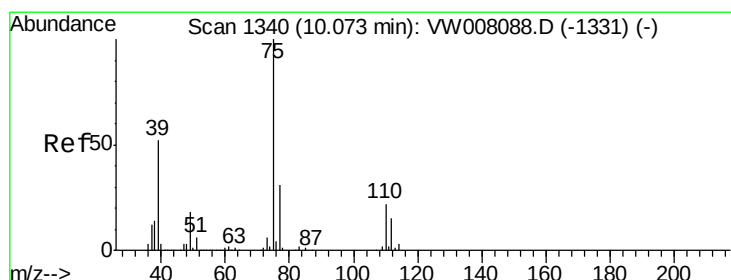
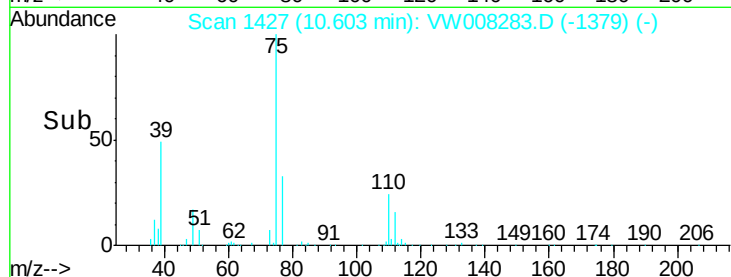
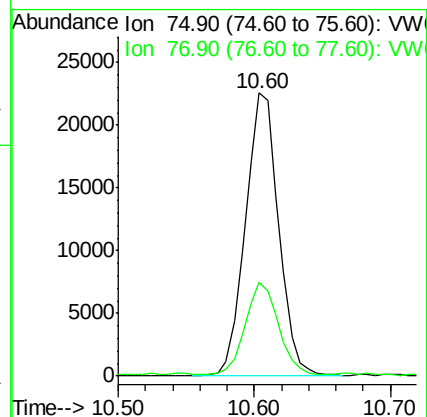
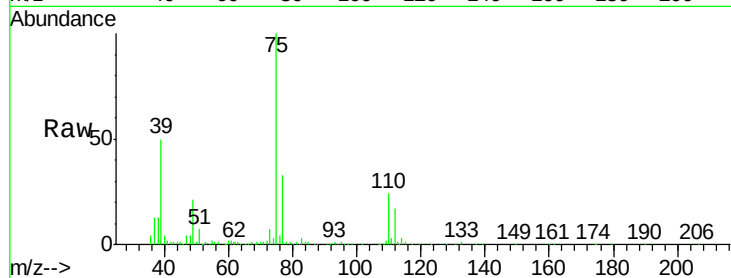
CPSB-07(15-20)MSD

Tot Ion: 75 Resp: 38609

Ion Ratio Lower Upper

75 100

77 32.7 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 21.168 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

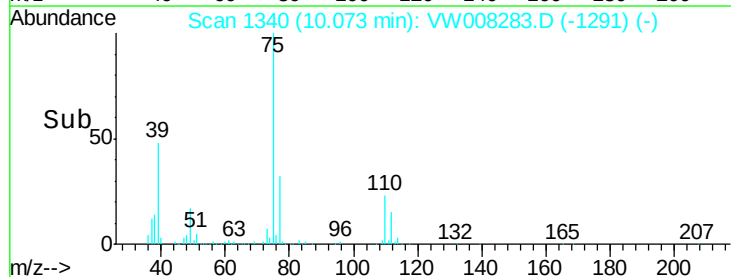
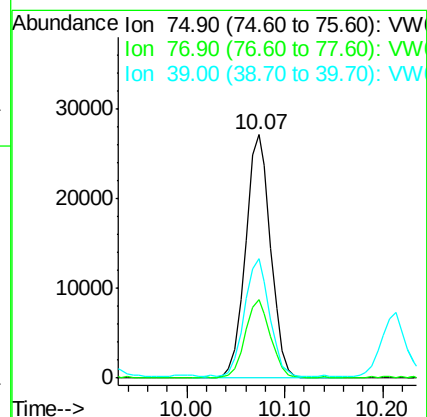
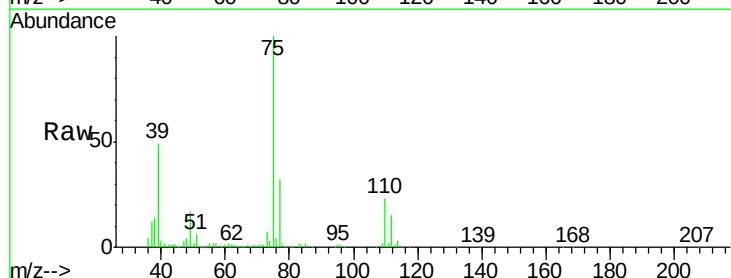
Tgt Ion: 75 Resp: 48125

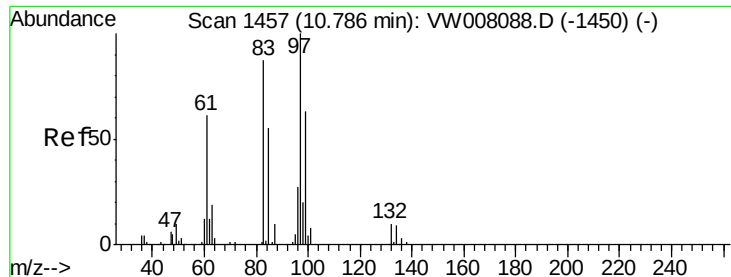
Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

39 48.3 41.4 62.0

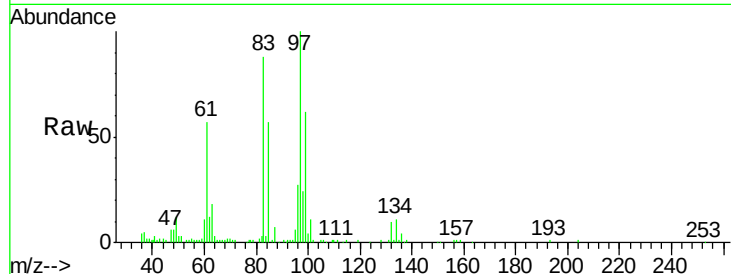




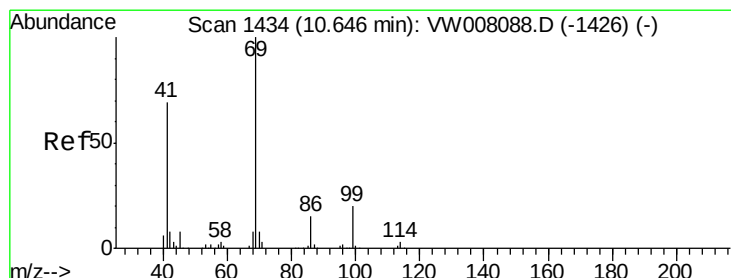
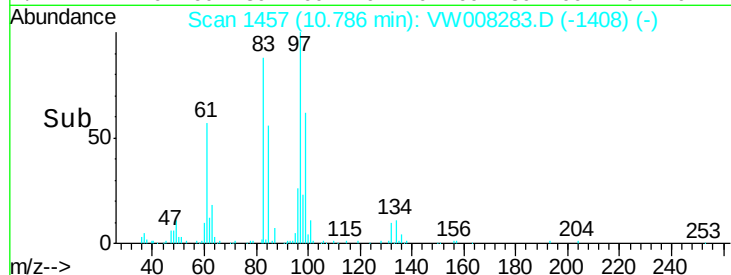
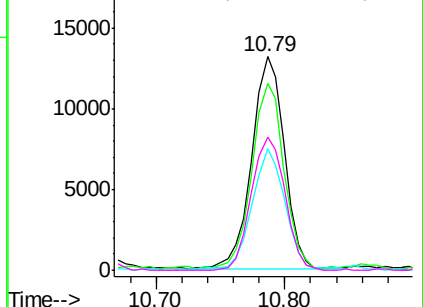
#55
 1,1,2-Trichloroethane
 Concen: 22.494 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-07(15-20)MSD

Tot Ion: 97 Resp: 22924
 Ion Ratio Lower Upper
 97 100
 83 86.6 69.3 103.9
 85 56.8 43.8 65.6
 99 62.7 50.0 75.0

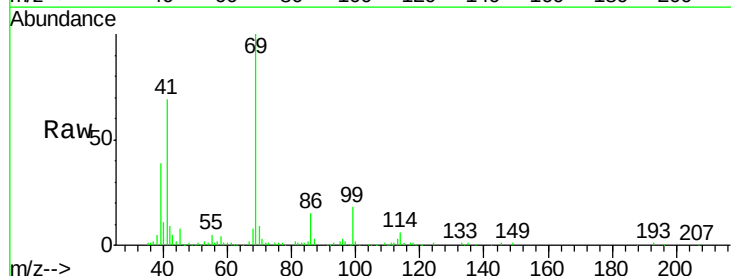


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

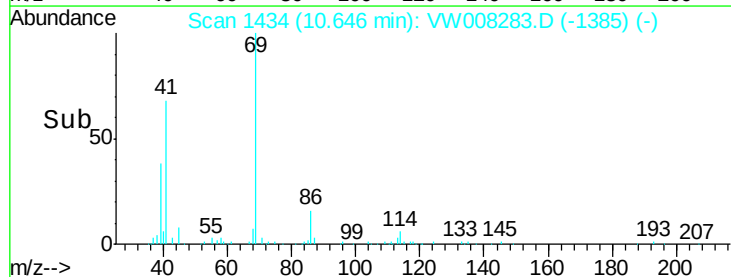
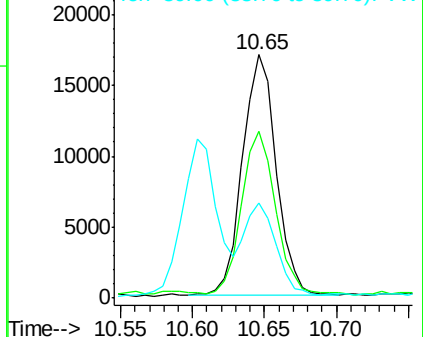


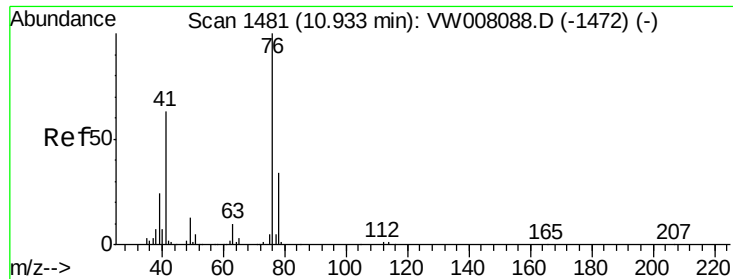
#56
 Ethyl methacrylate
 Concen: 21.744 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

Tgt Ion: 69 Resp: 27443
 Ion Ratio Lower Upper
 69 100
 41 69.2 56.4 84.6
 39 35.9 28.1 42.1



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 21.171 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

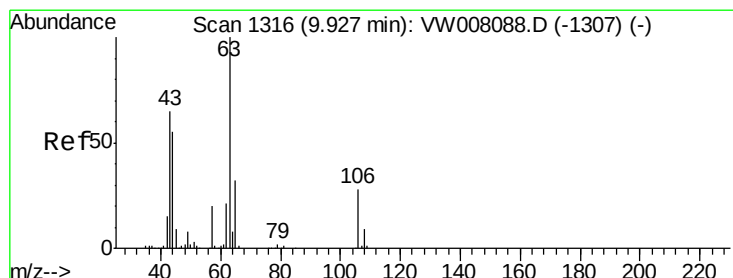
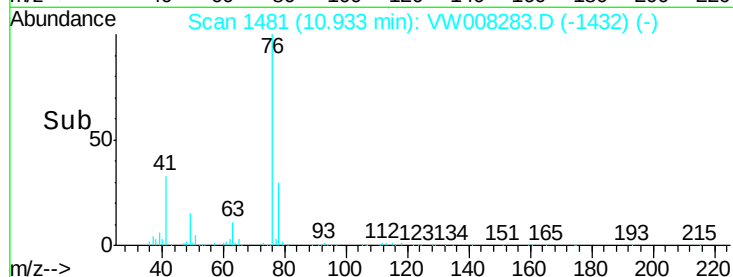
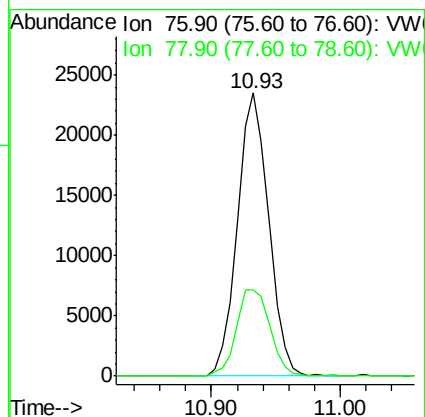
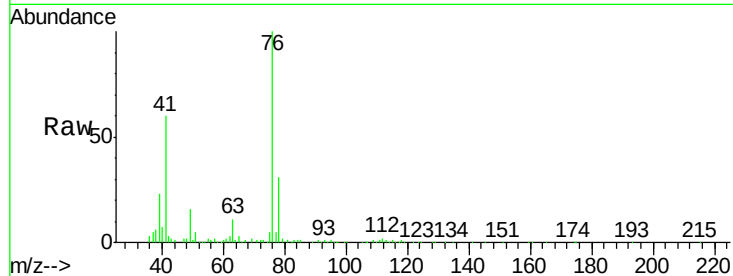
CPSB-07(15-20)MSD

Tot Ion: 76 Resp: 39460

Ion Ratio Lower Upper

76 100

78 33.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 99.565 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW008283.D

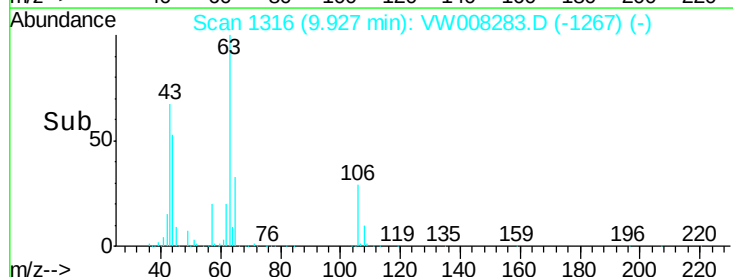
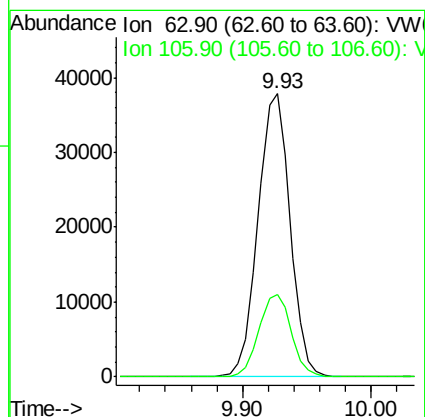
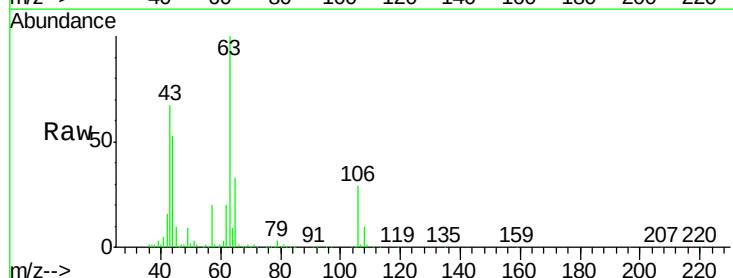
Acq: 15 Jan 2019 14:45

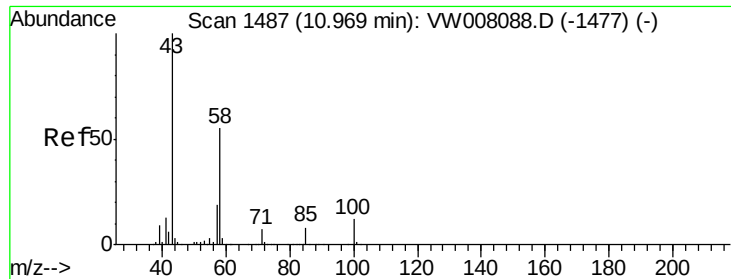
Tgt Ion: 63 Resp: 64910

Ion Ratio Lower Upper

63 100

106 29.6 21.8 32.6





#59

2-Hexanone

Concen: 107.600 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

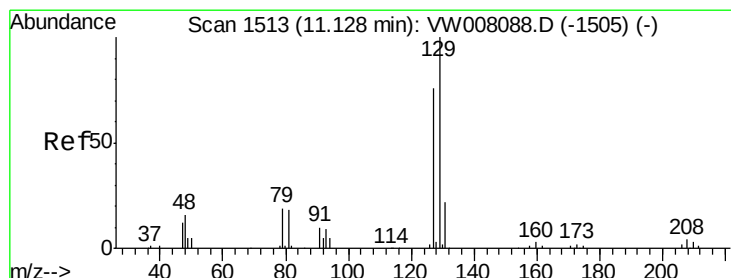
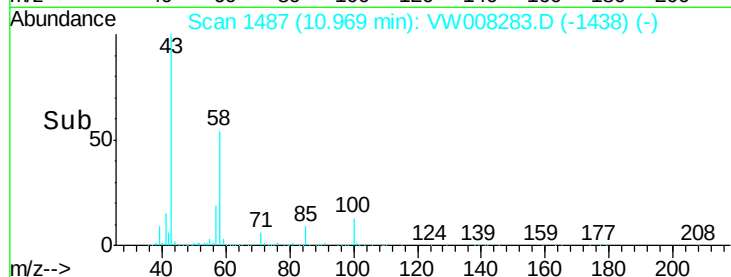
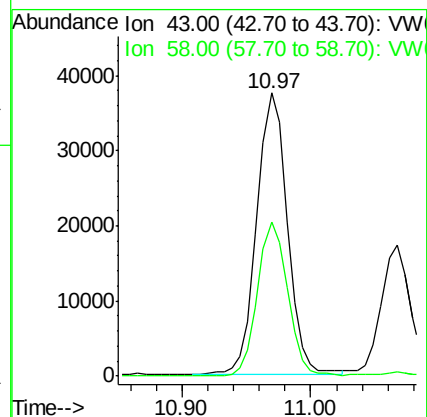
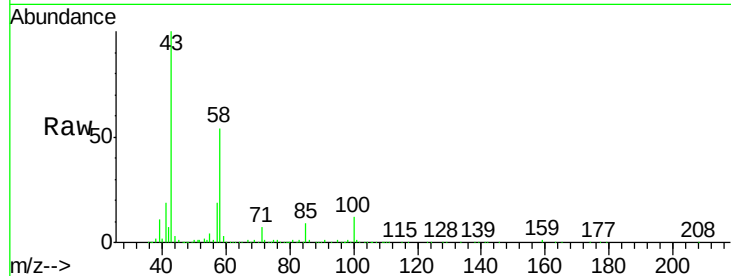
CPSB-07(15-20)MSD

Tot Ion: 43 Resp: 62005

Ion Ratio Lower Upper

43 100

58 53.2 27.2 81.5



#60

Dibromochloromethane

Concen: 21.776 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW008283.D

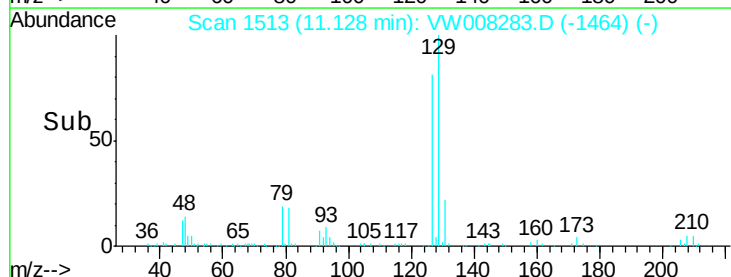
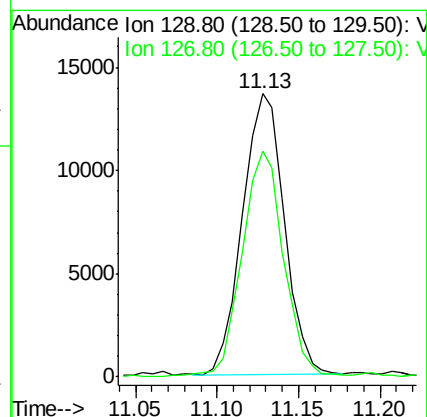
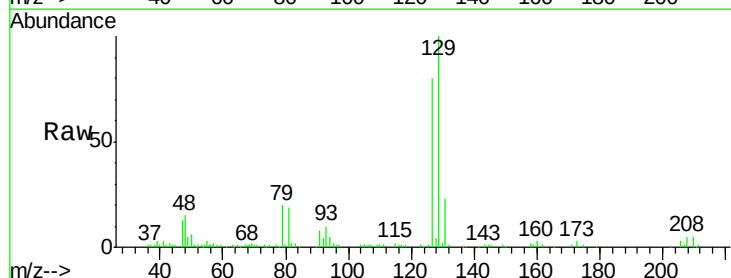
Acq: 15 Jan 2019 14:45

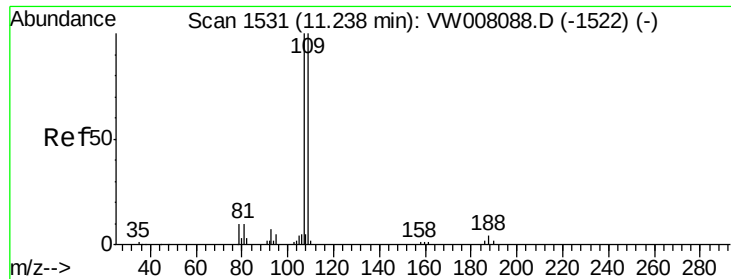
Tgt Ion: 129 Resp: 24370

Ion Ratio Lower Upper

129 100

127 79.8 38.9 116.6

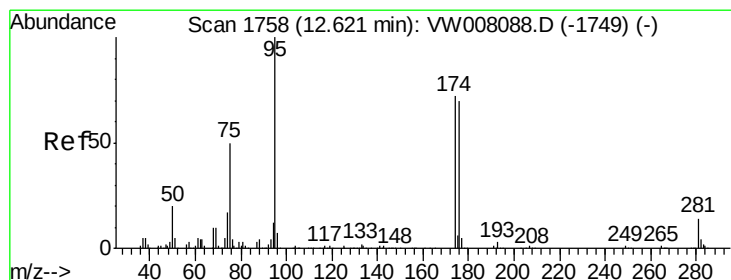
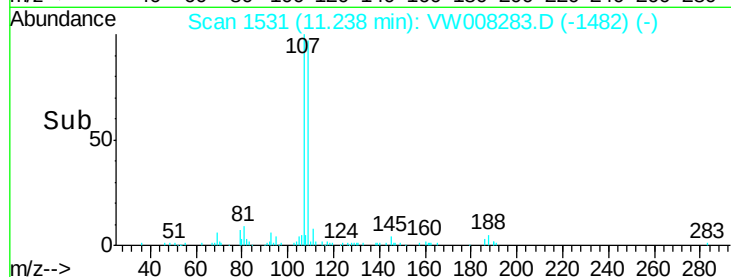
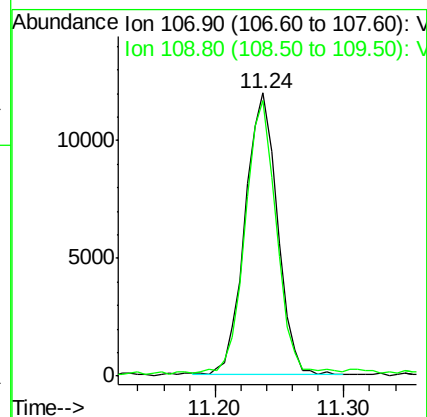
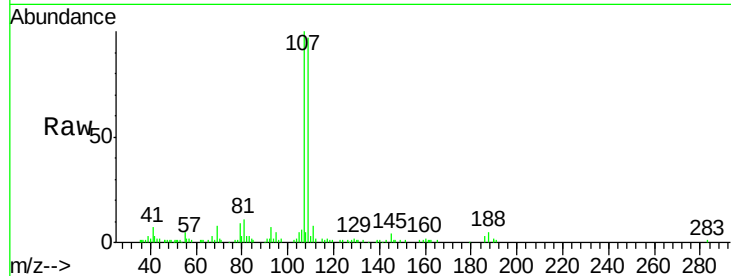




#61
 1,2-Dibromoethane
 Concen: 21.302 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

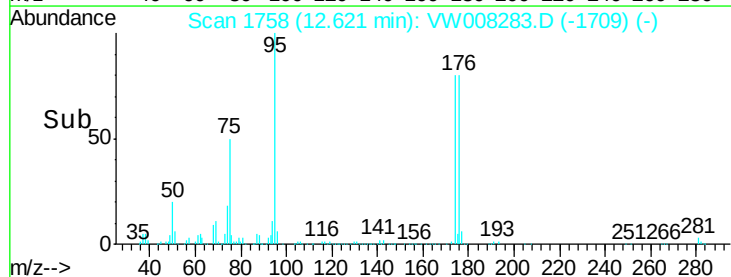
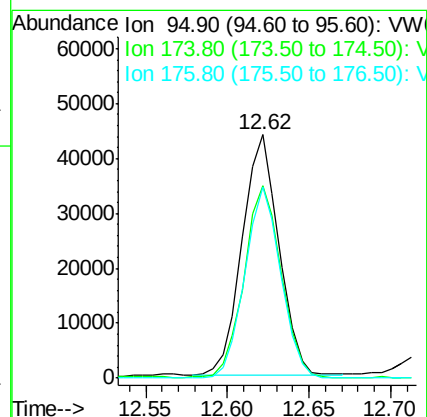
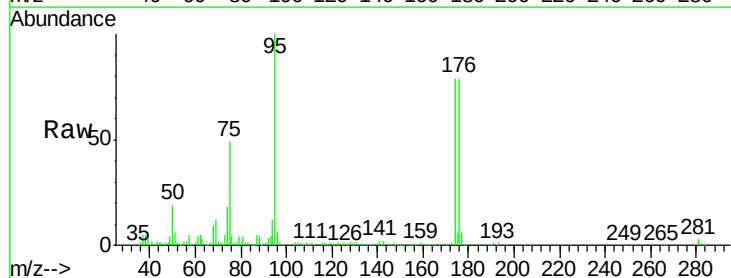
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-07(15-20)MSD

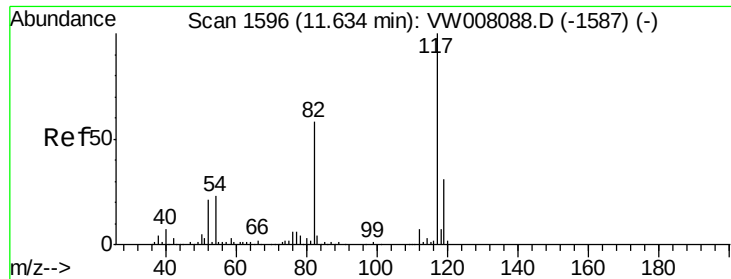
Tot Ion:107 Resp: 20599
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 36.752 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

Tgt Ion: 95 Resp: 68800
 Ion Ratio Lower Upper
 95 100
 174 80.5 0.0 143.0
 176 77.9 0.0 140.2

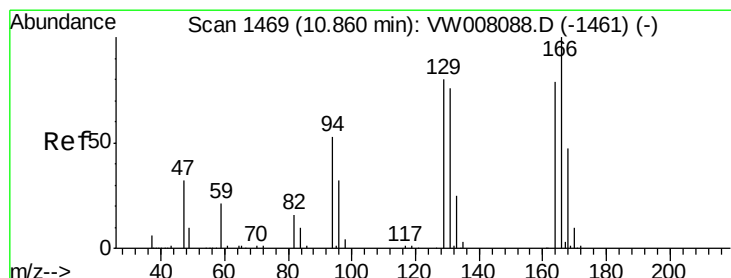
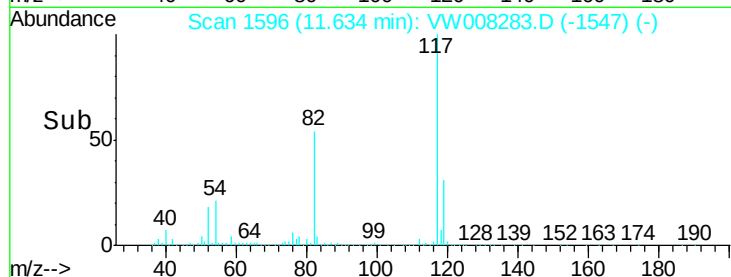
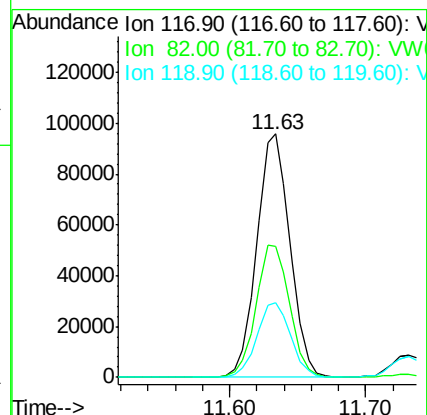
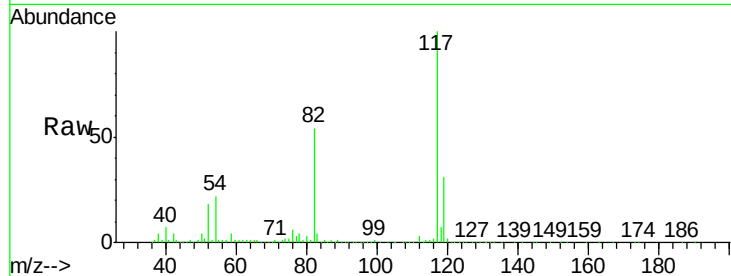




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

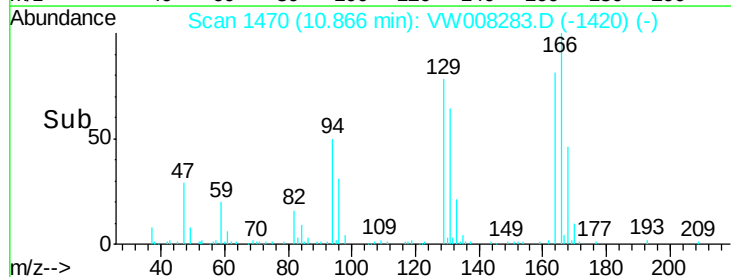
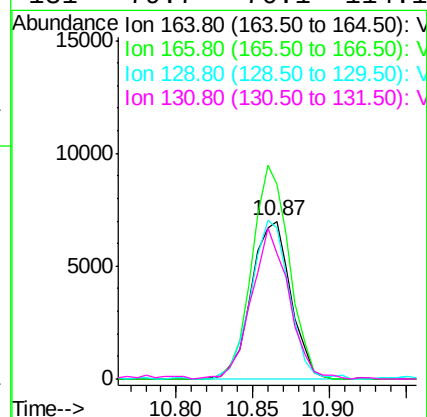
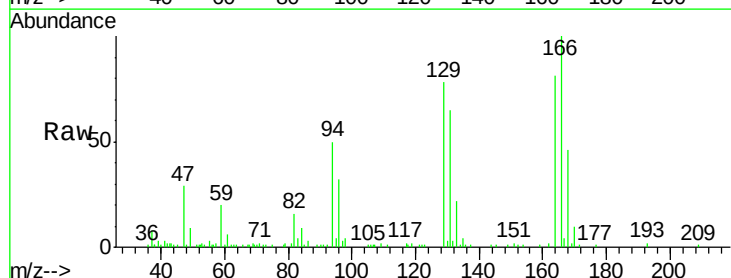
Instrument :
MSVOA_W
ClientSampleId :
CPSB-07(15-20)MSD

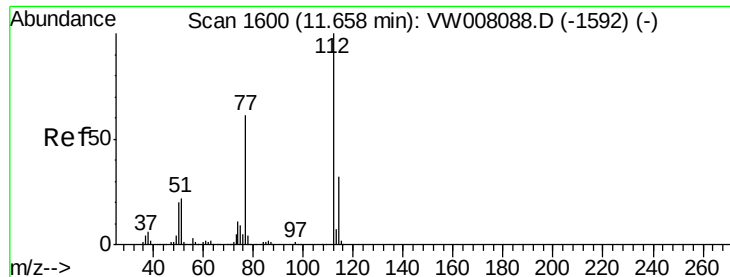
Tot Ion:117 Resp: 163150
Ion Ratio Lower Upper
117 100
82 53.6 46.4 69.6
119 30.6 24.7 37.1



#64
Tetrachloroethene
Concen: 11.785 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

Tgt Ion:164 Resp: 12513
Ion Ratio Lower Upper
164 100
166 122.9 100.7 151.1
129 95.4 81.0 121.4
131 79.7 76.1 114.1





#65

Chlorobenzene

Concen: 17.320 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

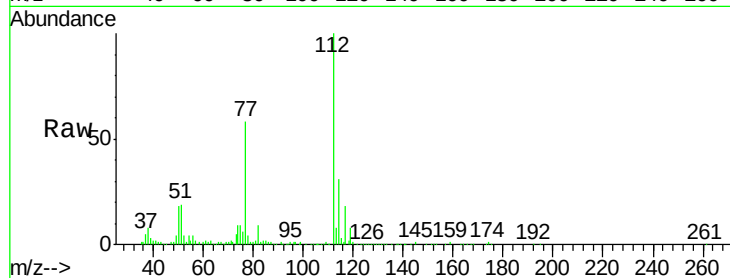
CPSB-07(15-20)MSD

Tot Ion:112 Resp: 59867

Ion Ratio Lower Upper

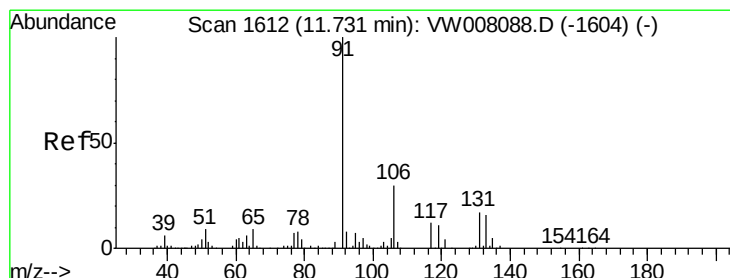
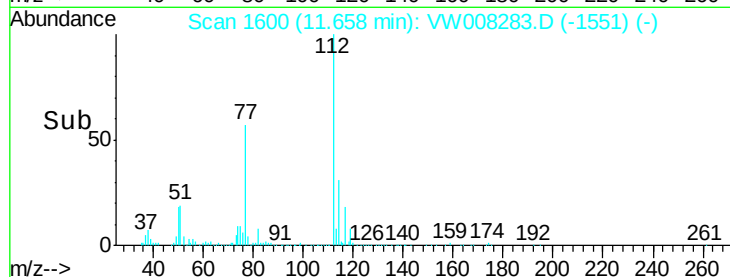
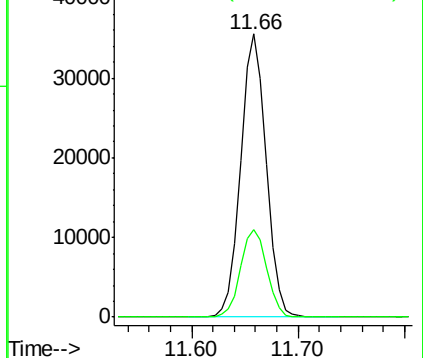
112 100

114 30.9 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: 19.708 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

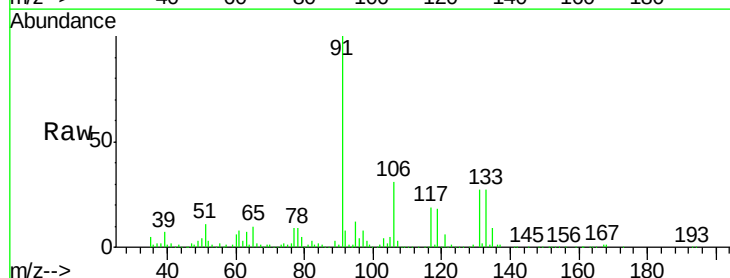
Tgt Ion:131 Resp: 22156

Ion Ratio Lower Upper

131 100

133 95.5 47.9 143.7

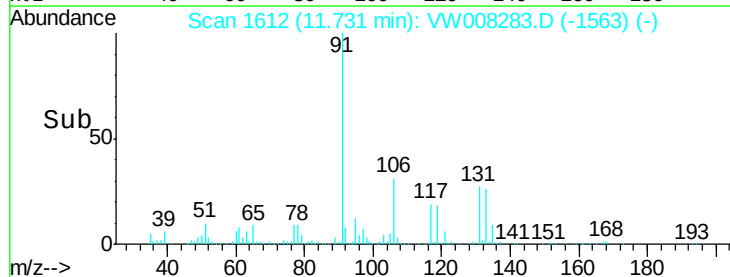
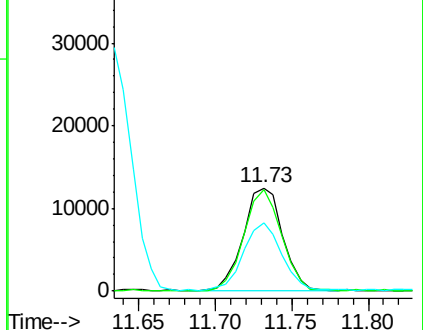
119 63.3 32.5 97.4

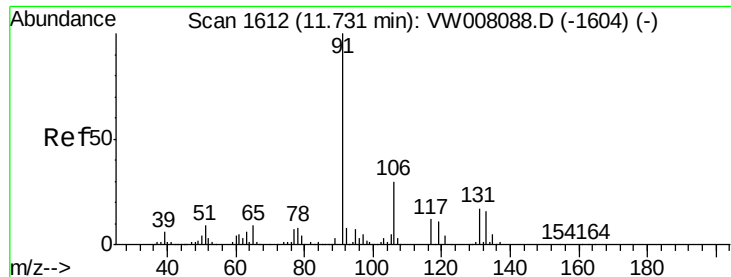


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 12.116 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

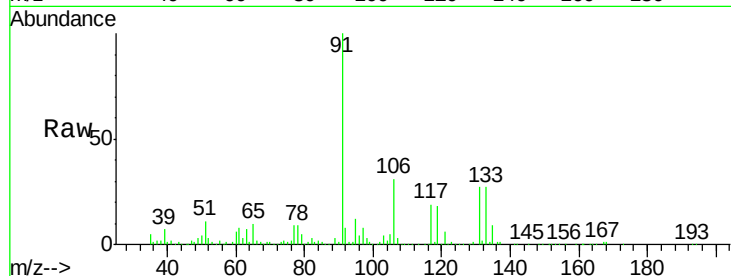
CPSB-07(15-20)MSD

Tot Ion: 91 Resp: 76624

Ion Ratio Lower Upper

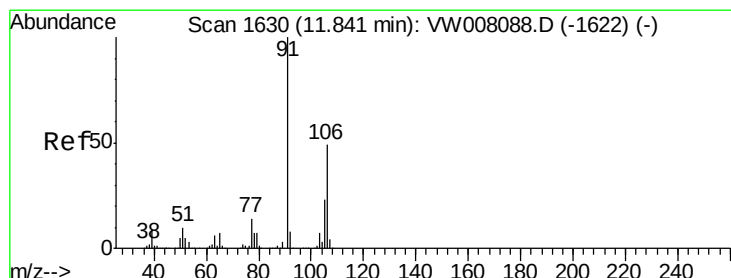
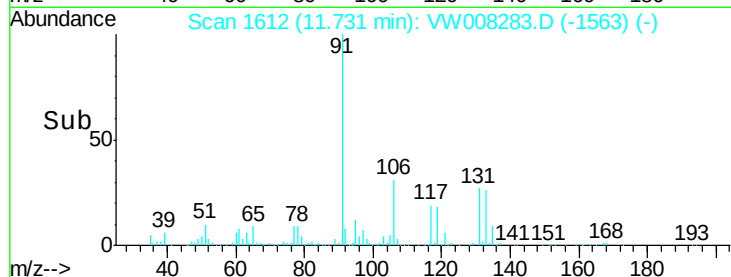
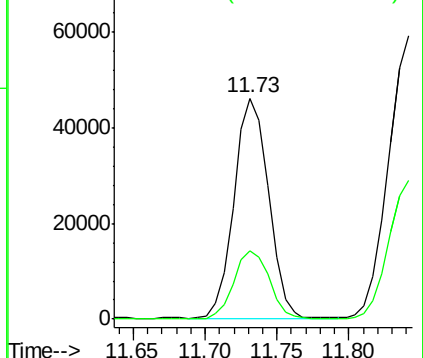
91 100

106 31.1 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 22.651 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW008283.D

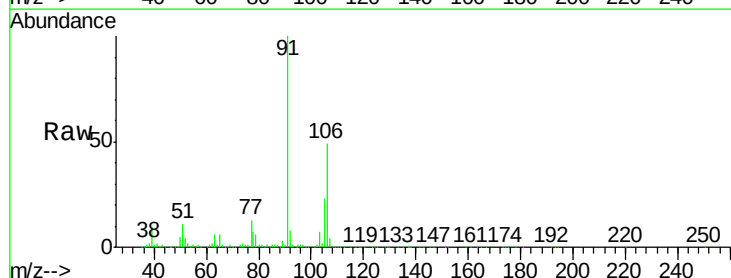
Acq: 15 Jan 2019 14:45

Tgt Ion: 106 Resp: 54679

Ion Ratio Lower Upper

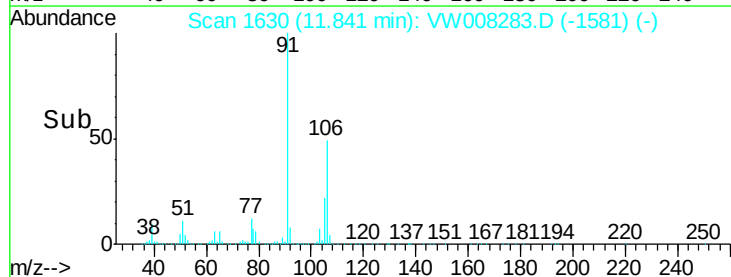
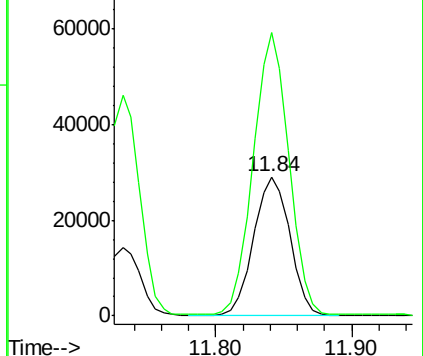
106 100

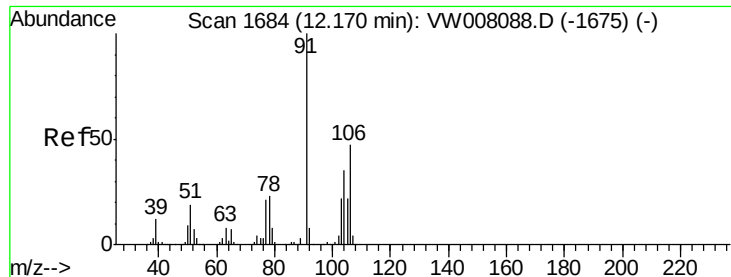
91 197.1 162.4 243.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

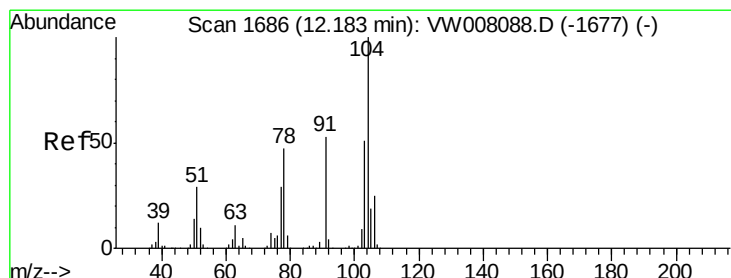
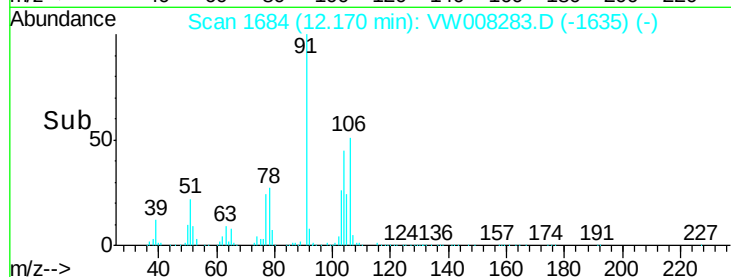
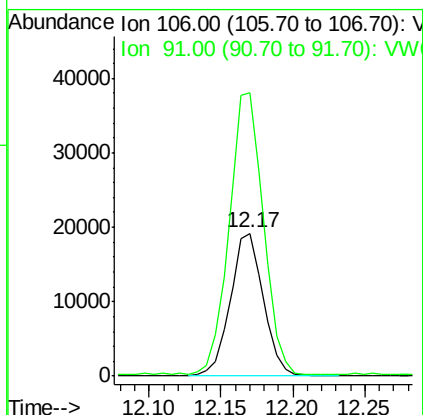
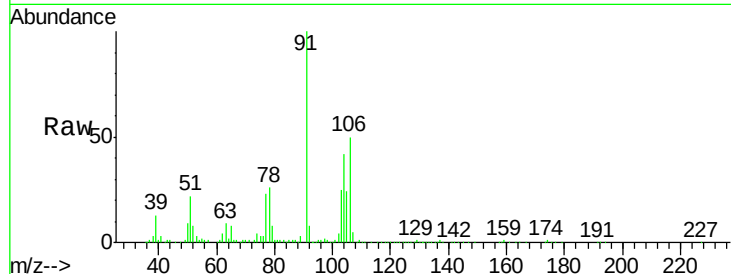




#69
o-Xylene
Concen: 13.679 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

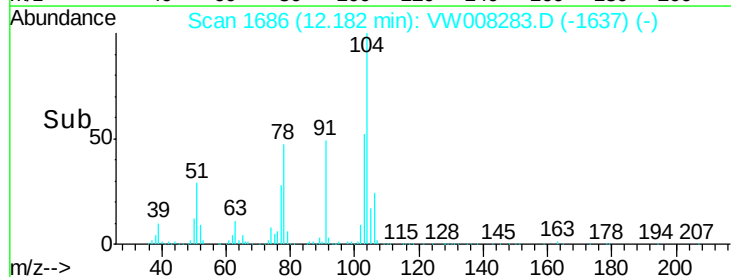
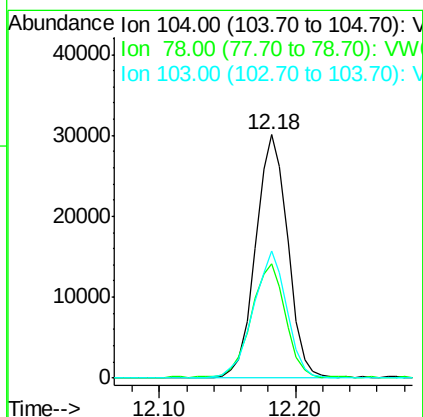
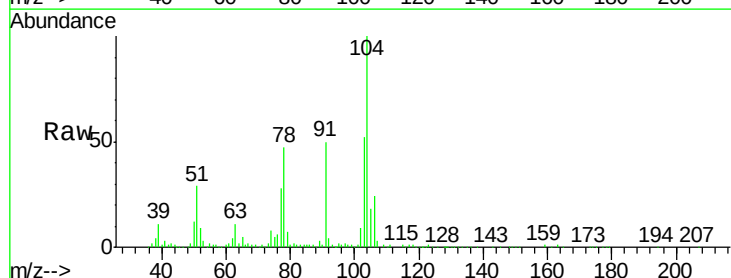
Instrument :
MSVOA_W
ClientSampleId :
CPSB-07(15-20)MSD

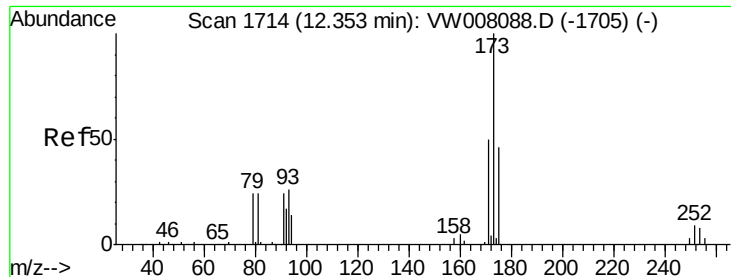
Tot Ion:106 Resp: 30578
Ion Ratio Lower Upper
106 100
91 204.9 107.8 323.6



#70
Styrene
Concen: 14.272 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

Tgt Ion:104 Resp: 49970
Ion Ratio Lower Upper
104 100
78 50.8 41.8 62.8
103 54.4 43.8 65.8





#71

Bromoform

Concen: 24.116 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

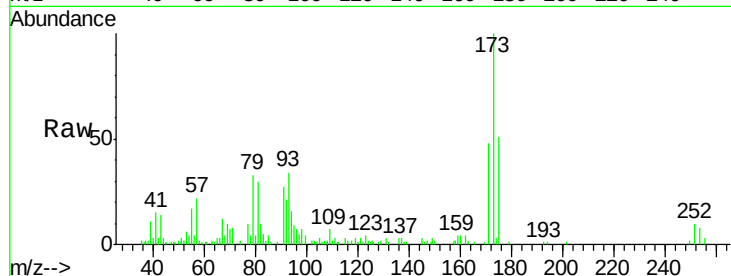
Tot Ion:173 Resp: 12134

Ion Ratio Lower Upper

173 100

175 49.0 23.3 69.8

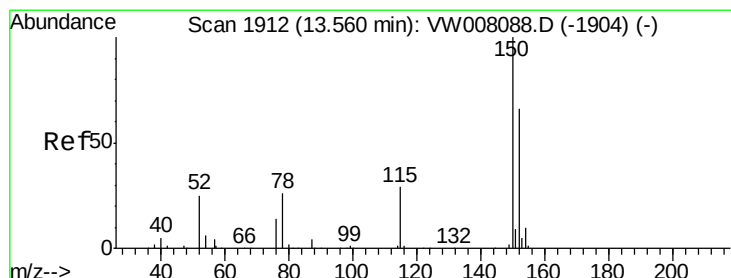
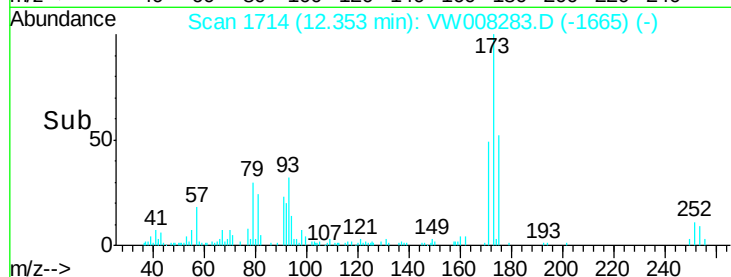
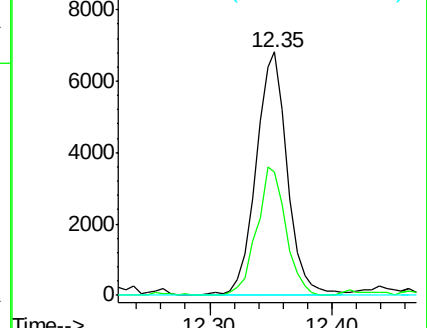
254 0.0 0.0 0.0



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: VW008283.D

Acq: 15 Jan 2019 14:45

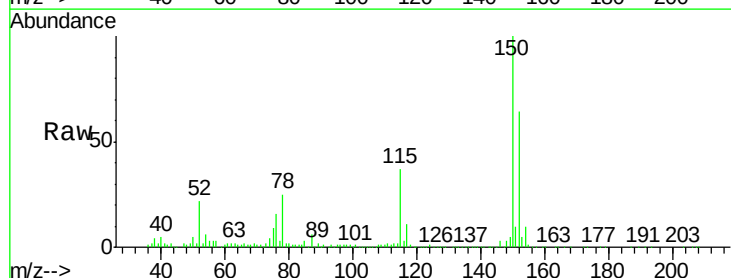
Tgt Ion:152 Resp: 62141

Ion Ratio Lower Upper

152 100

115 56.9 30.8 92.4

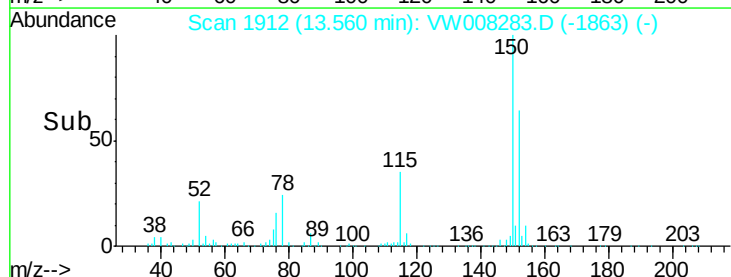
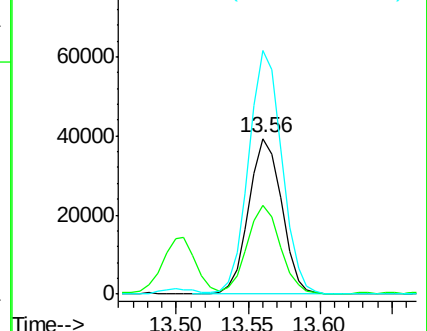
150 158.9 0.0 350.2

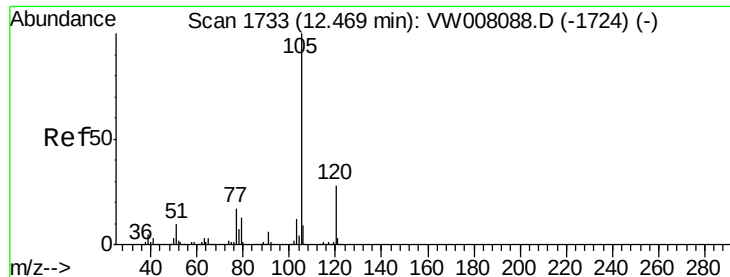


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.166 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

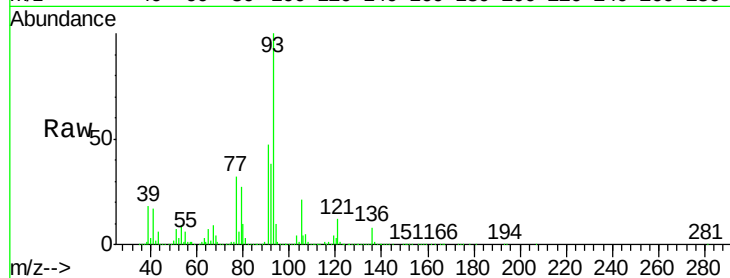
CPSB-07(15-20)MSD

Tot Ion:105 Resp: 117899

Ion Ratio Lower Upper

105 100

120 16.3 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

60000

40000

20000

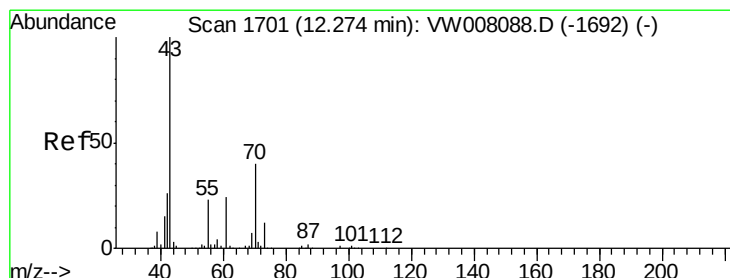
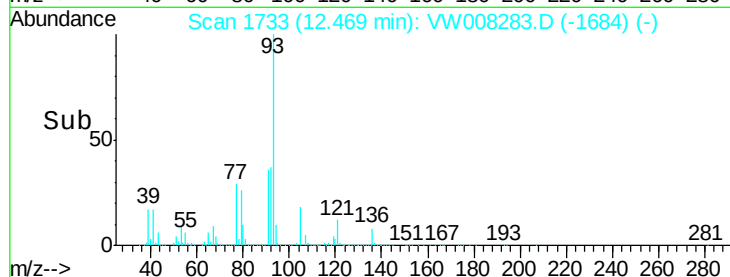
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 22.294 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Tgt Ion: 43 Resp: 24087

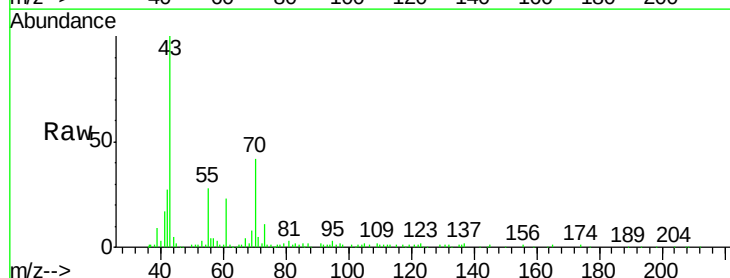
Ion Ratio Lower Upper

43 100

70 42.8 32.4 48.6

55 25.9 18.7 28.1

61 23.9 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

25000

20000

15000

10000

5000

0

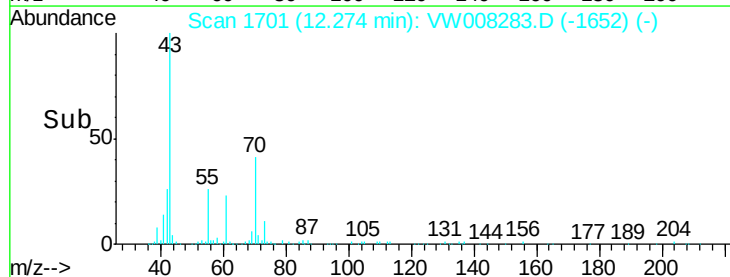
12.27

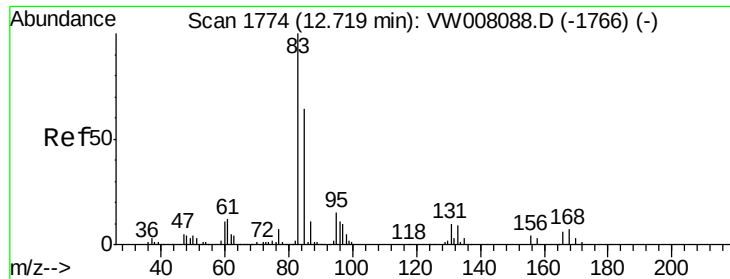
12.20

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 28.903 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

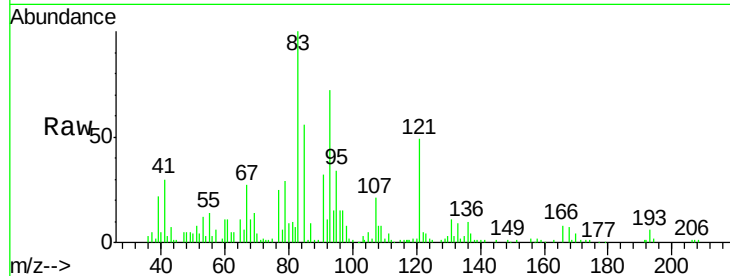
Tot Ion: 83 Resp: 22570

Ion Ratio Lower Upper

83 100

131 10.1 5.3 16.1

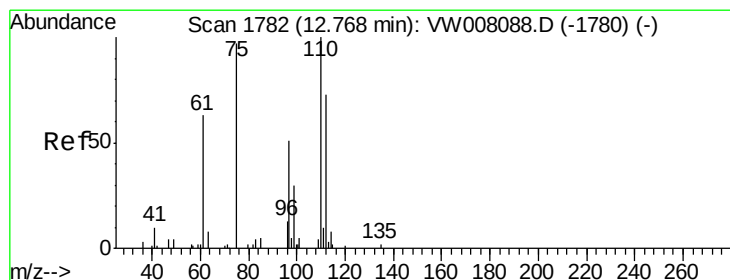
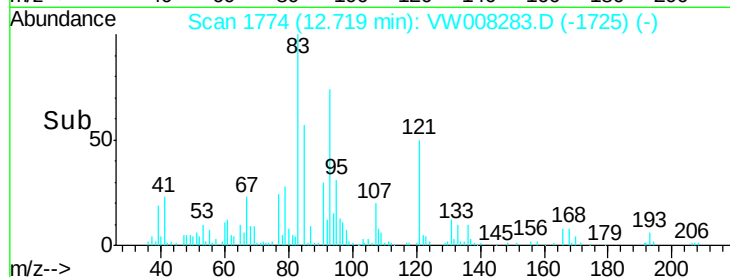
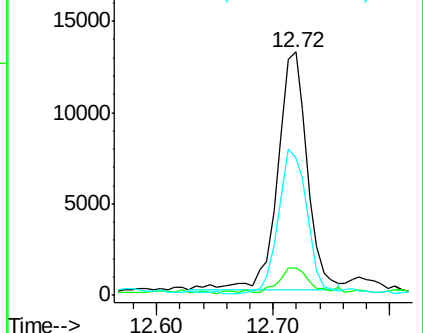
85 59.3 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 27.936 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008283.D

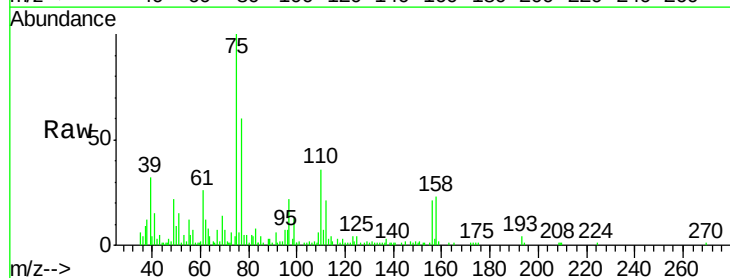
Acq: 15 Jan 2019 14:45

Tgt Ion: 75 Resp: 15825

Ion Ratio Lower Upper

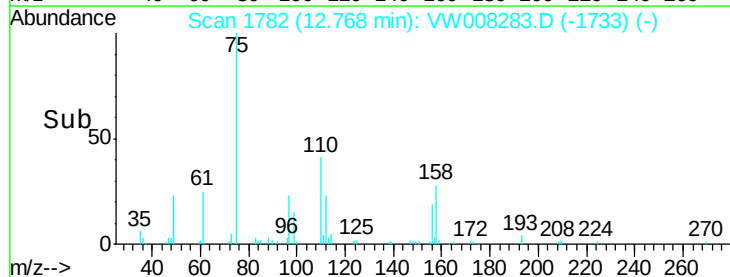
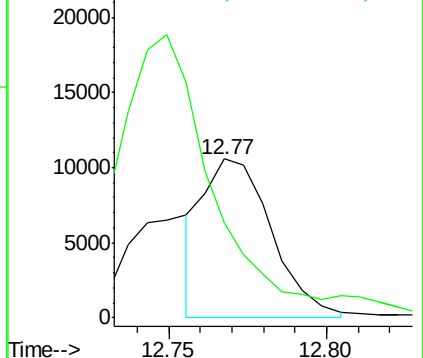
75 100

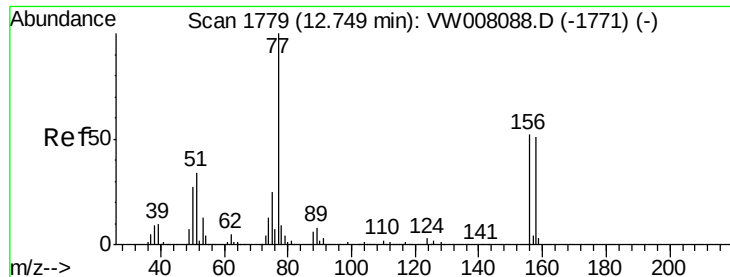
77 276.1 179.4 538.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 16.410 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

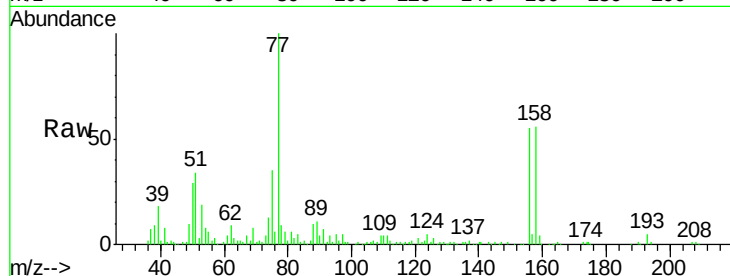
Tot Ion:156 Resp: 16916

Ion Ratio Lower Upper

156 100

77 258.3 104.2 312.5

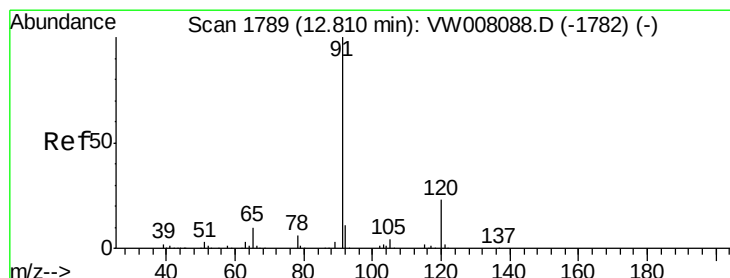
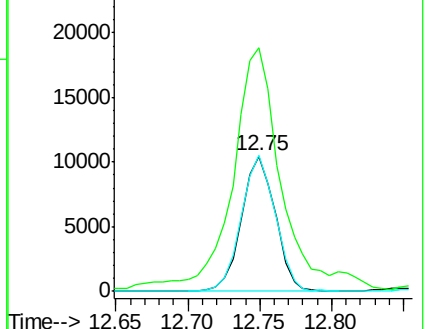
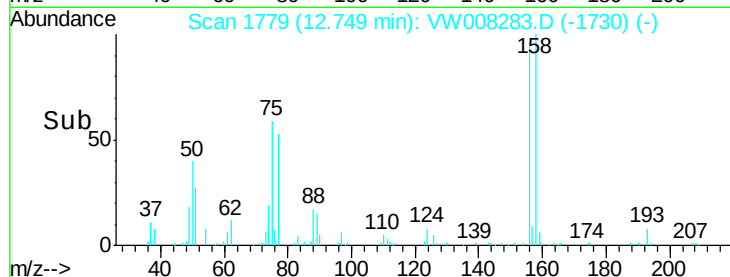
158 101.4 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.235 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008283.D

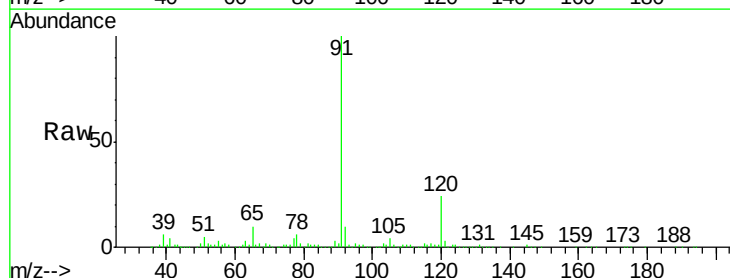
Acq: 15 Jan 2019 14:45

Tgt Ion: 91 Resp: 55207

Ion Ratio Lower Upper

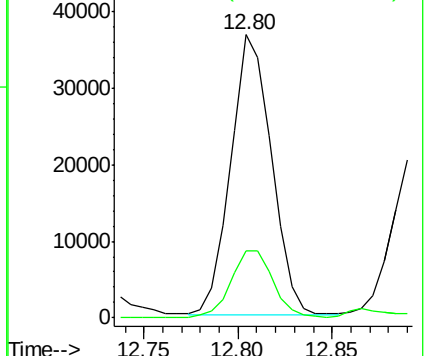
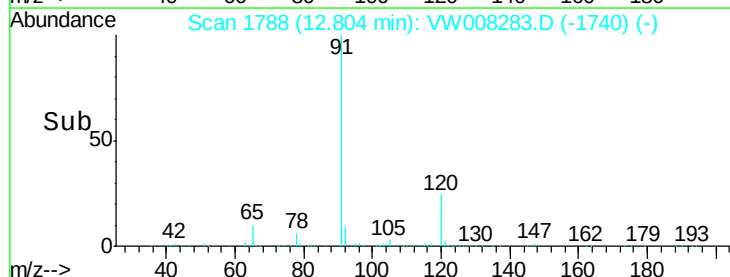
91 100

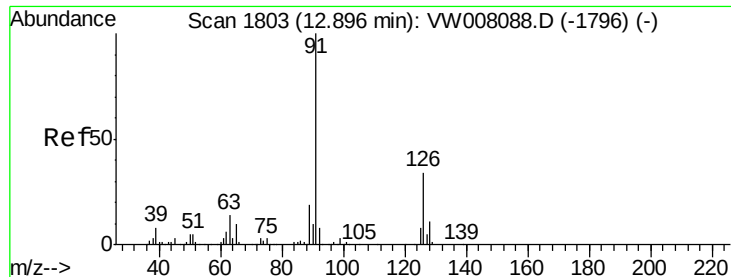
120 25.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.686 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

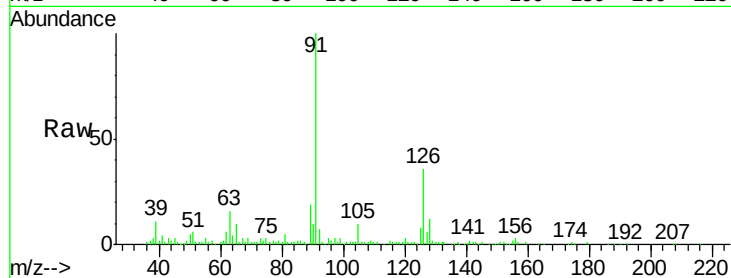
CPSB-07(15-20)MSD

Tot Ion: 91 Resp: 35638

Ion Ratio Lower Upper

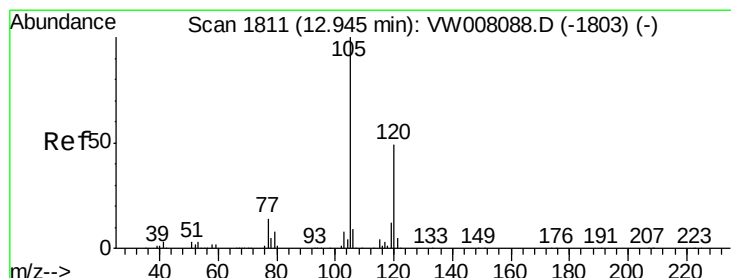
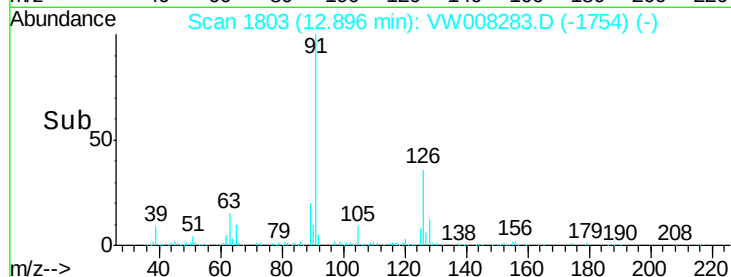
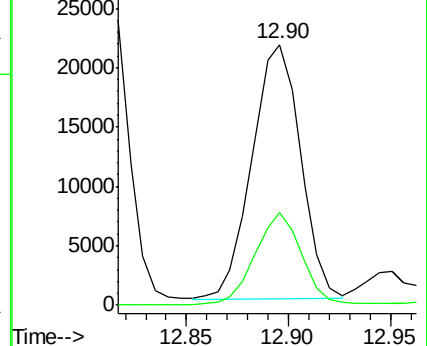
91 100

126 35.5 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.314 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008283.D

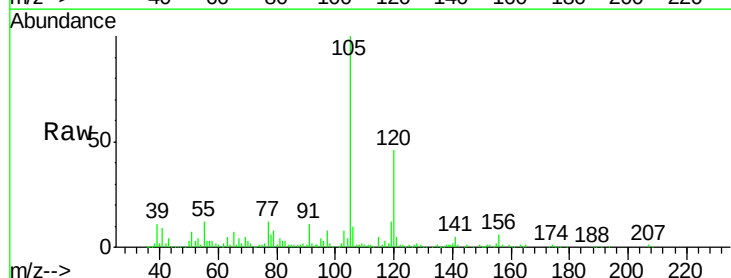
Acq: 15 Jan 2019 14:45

Tgt Ion:105 Resp: 37342

Ion Ratio Lower Upper

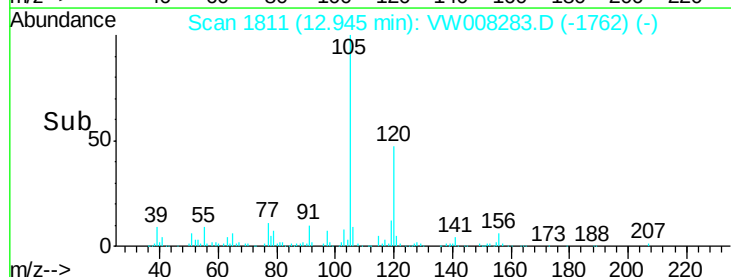
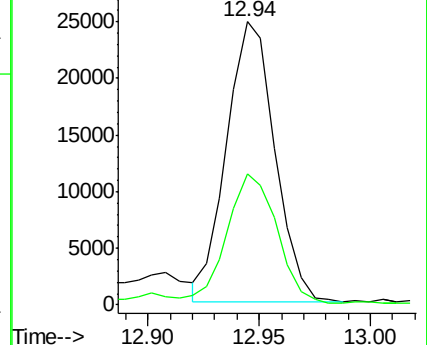
105 100

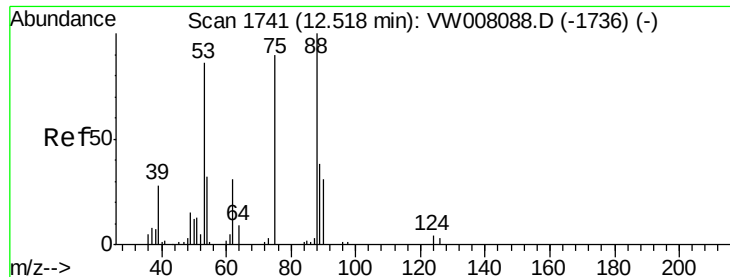
120 47.8 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 26.215 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

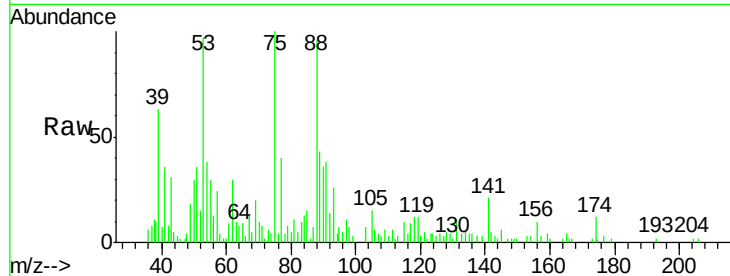
Tot Ion: 75 Resp: 6377

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

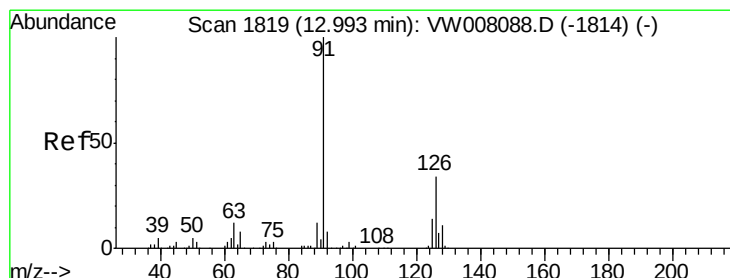
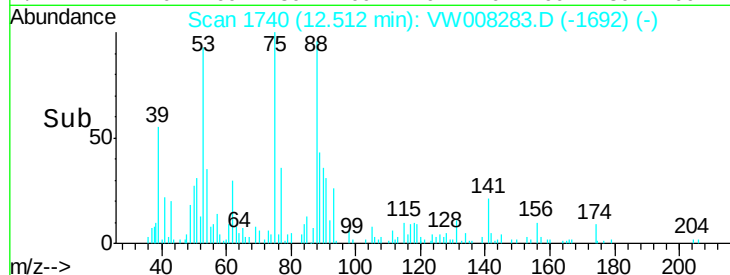
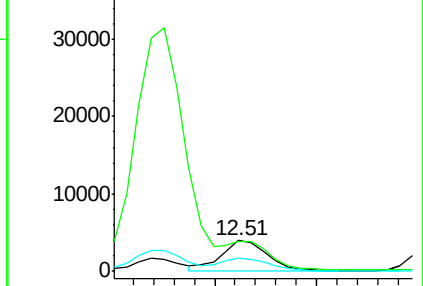
89 46.1 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 11.576 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008283.D

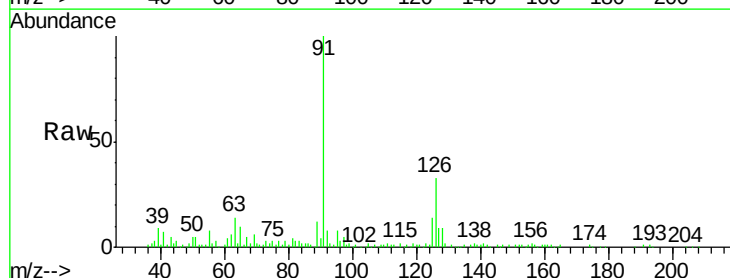
Acq: 15 Jan 2019 14:45

Tgt Ion: 91 Resp: 40659

Ion Ratio Lower Upper

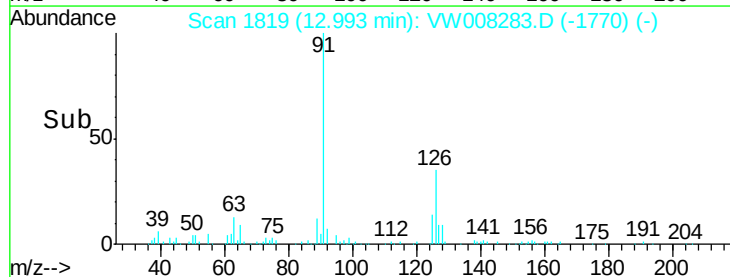
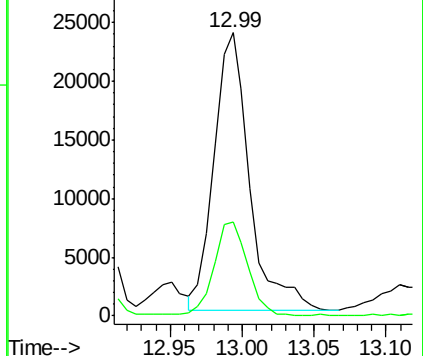
91 100

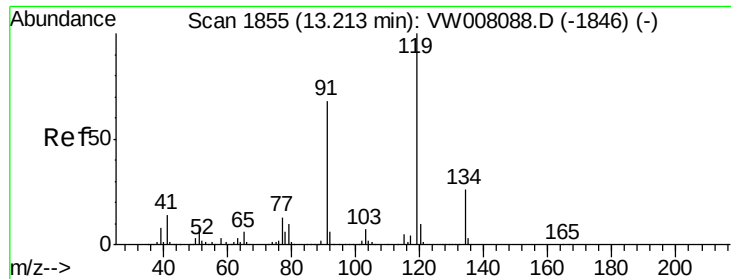
126 31.7 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

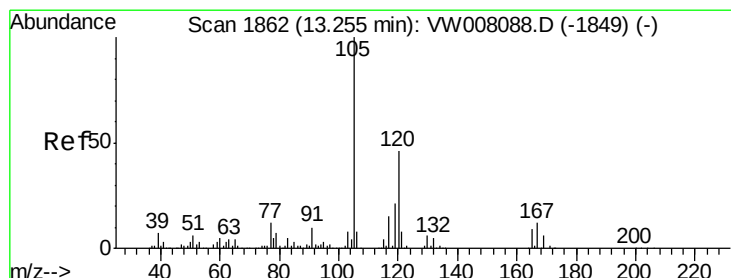
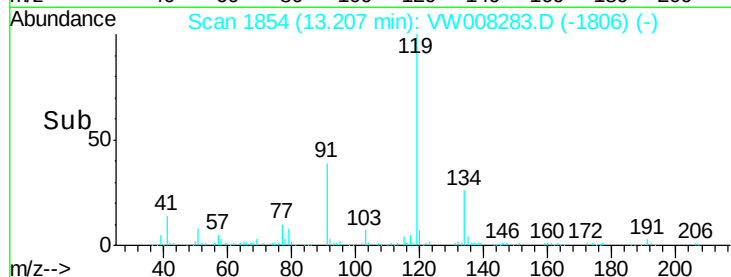
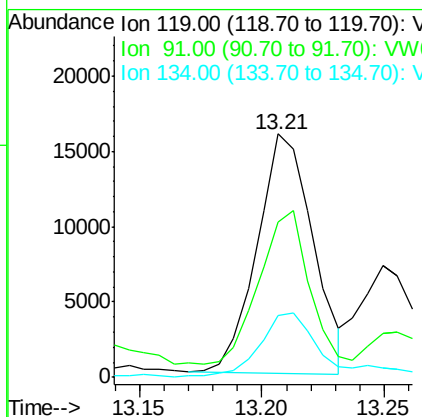
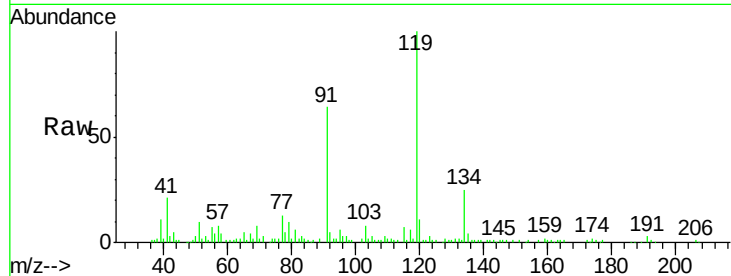




#83
tert-Butylbenzene
Concen: 7.145 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

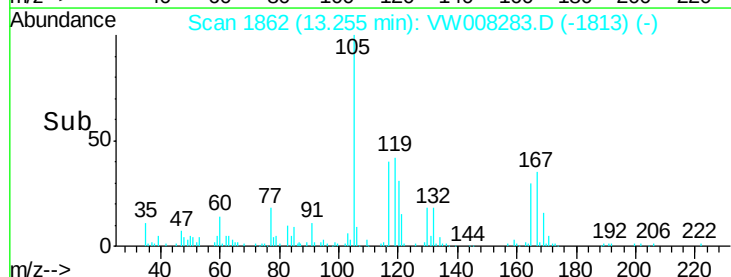
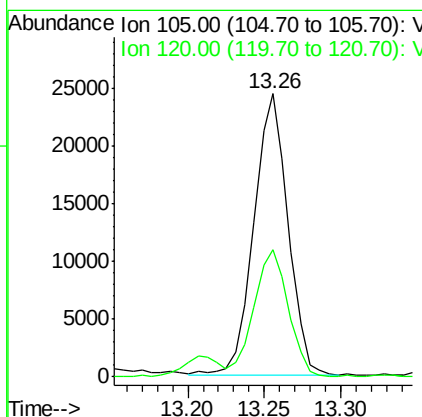
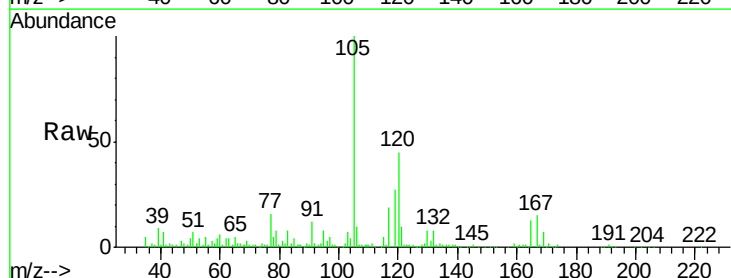
Instrument :
MSVOA_W
ClientSampleId :
CPSB-07(15-20)MSD

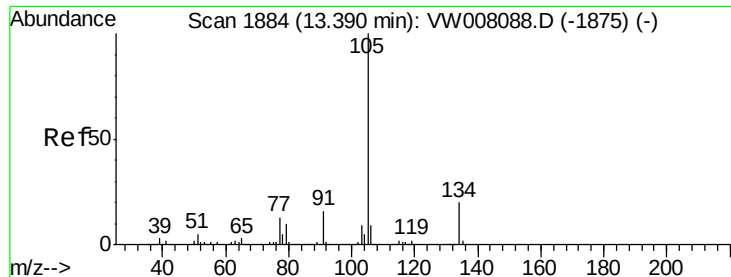
Tot Ion:119 Resp: 25342
Ion Ratio Lower Upper
119 100
91 62.6 33.9 101.6
134 26.0 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 9.162 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008283.D
Acq: 15 Jan 2019 14:45

Tgt Ion:105 Resp: 37885
Ion Ratio Lower Upper
105 100
120 45.8 22.7 68.1





#85

sec-Butylbenzene

Concen: 7.065 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

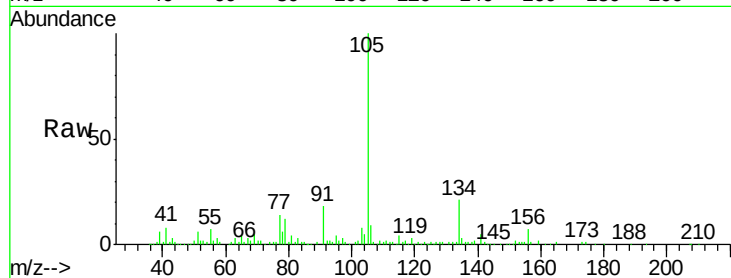
CPSB-07(15-20)MSD

Tot Ion:105 Resp: 36704

Ion Ratio Lower Upper

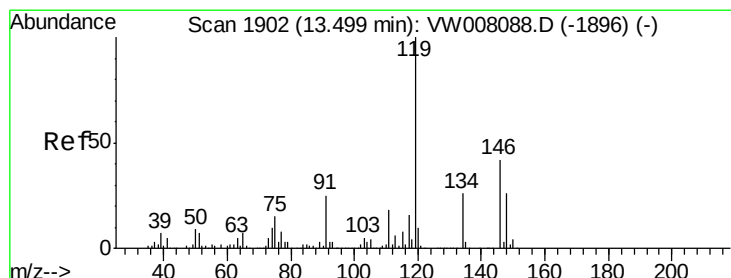
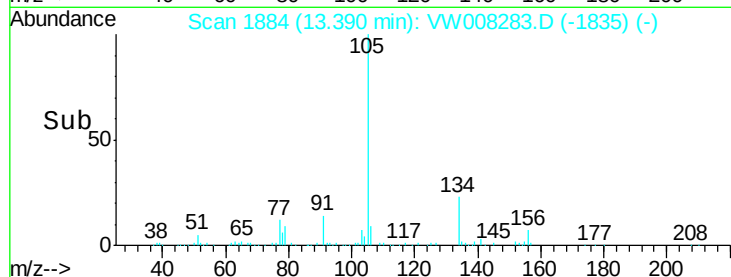
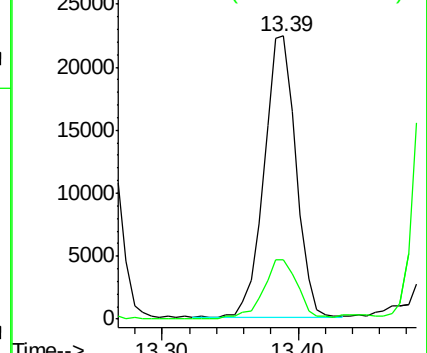
105 100

134 23.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 62.716 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

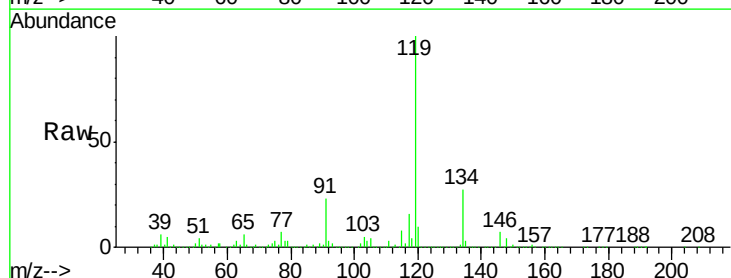
Tgt Ion:119 Resp: 281379

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

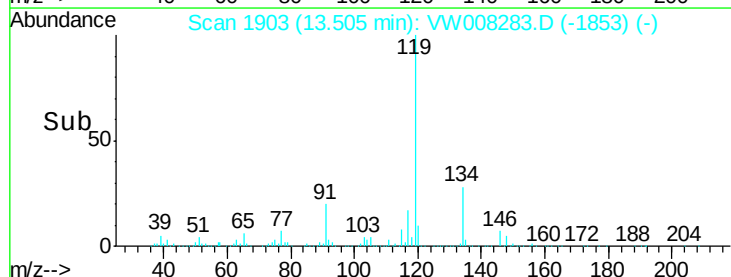
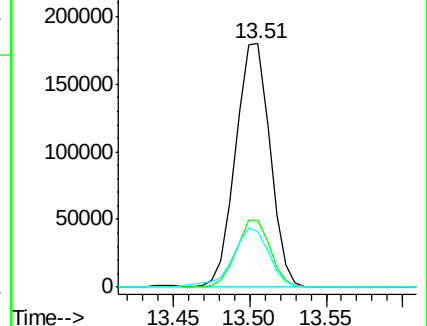
91 25.4 12.3 36.9

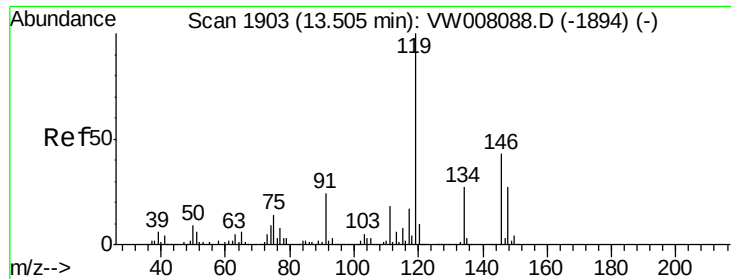


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

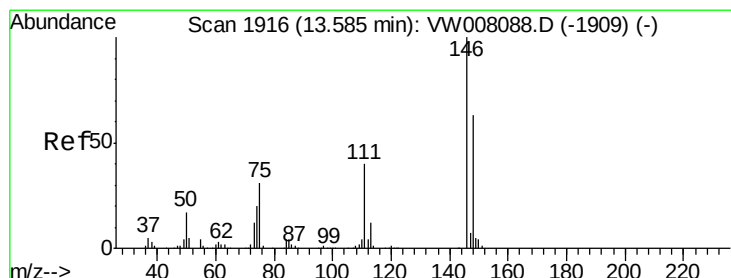
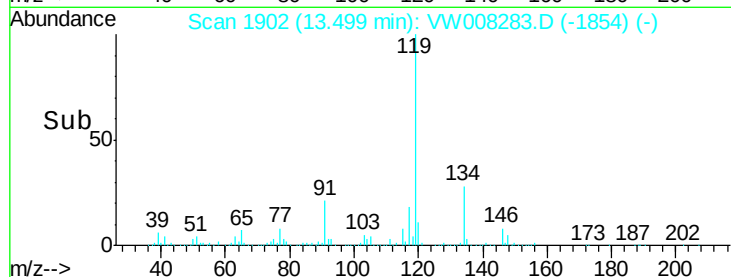
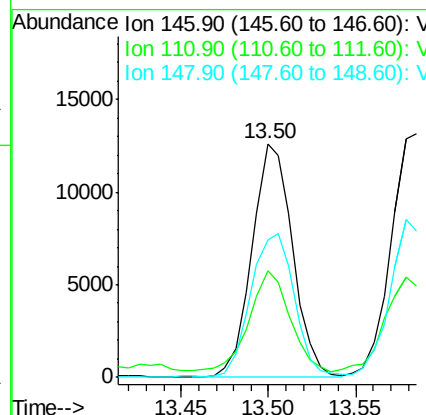
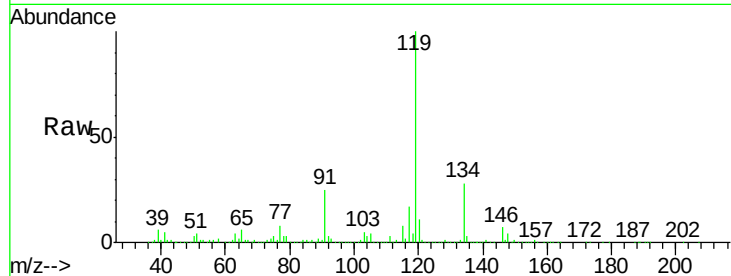




#87
 1,3-Dichlorobenzene
 Concen: 9.724 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

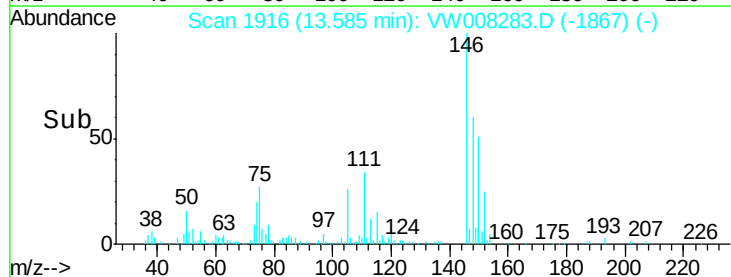
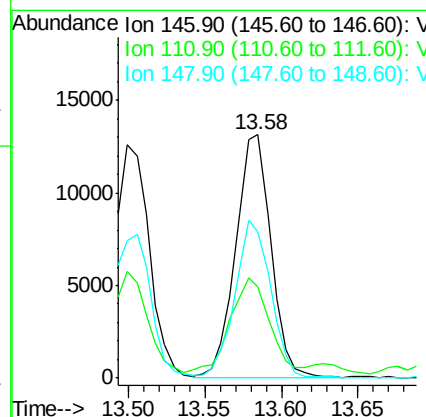
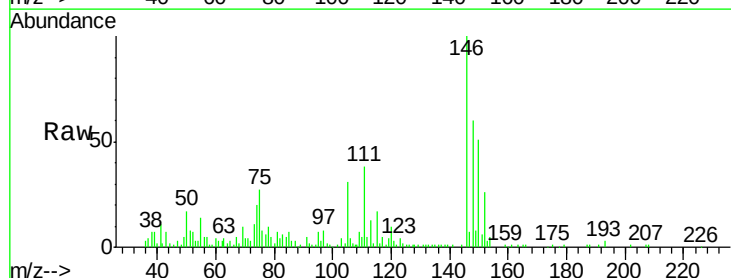
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-07(15-20)MSD

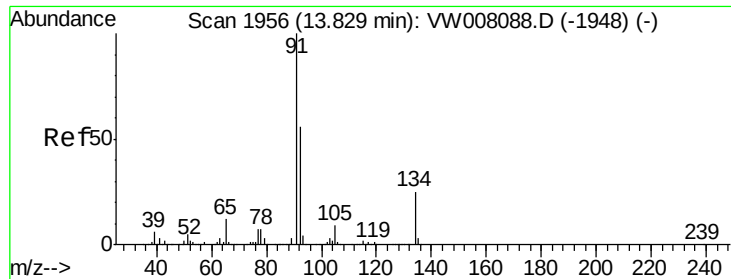
Tot Ion:146 Resp: 20334
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.1 63.1
 148 66.8 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 10.050 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

Tgt Ion:146 Resp: 21086
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.5 61.5
 148 66.0 31.6 94.8





#89

n-Butylbenzene

Concen: 5.846 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

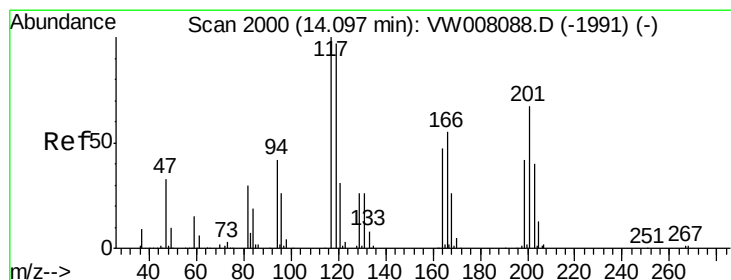
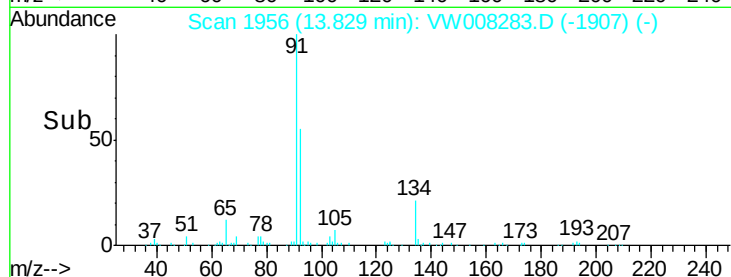
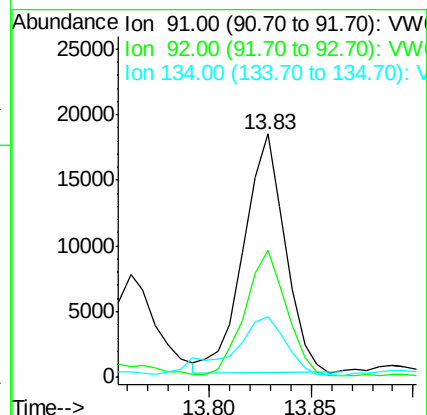
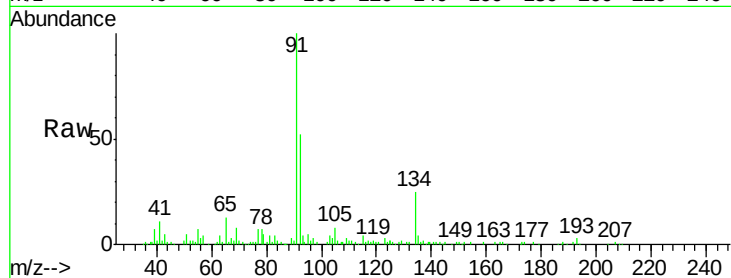
Tot Ion: 91 Resp: 25690

Ion Ratio Lower Upper

91 100

92 51.9 27.4 82.2

134 32.5 12.6 37.8



#90

Hexachloroethane

Concen: 7.012 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008283.D

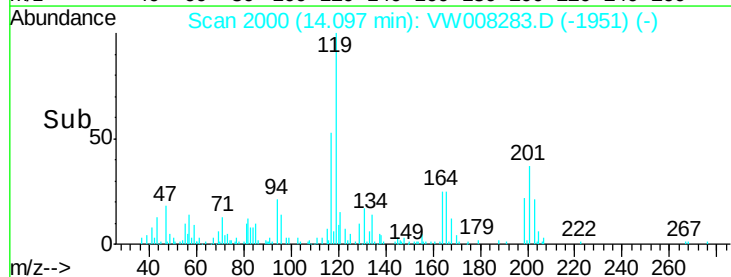
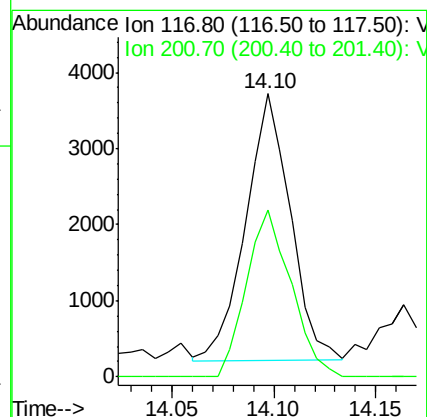
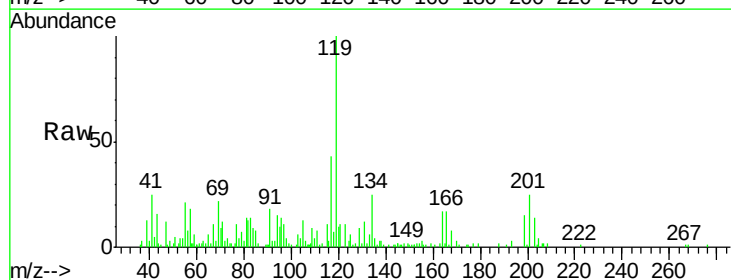
Acq: 15 Jan 2019 14:45

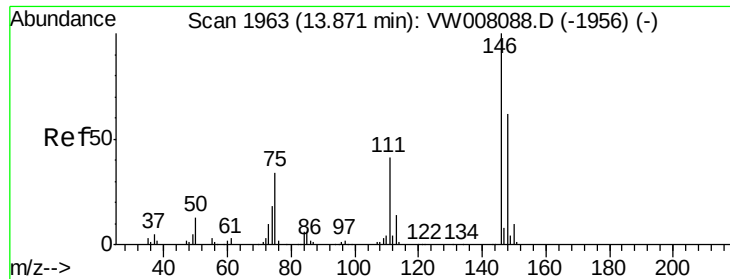
Tgt Ion: 117 Resp: 5314

Ion Ratio Lower Upper

117 100

201 62.6 33.0 98.9

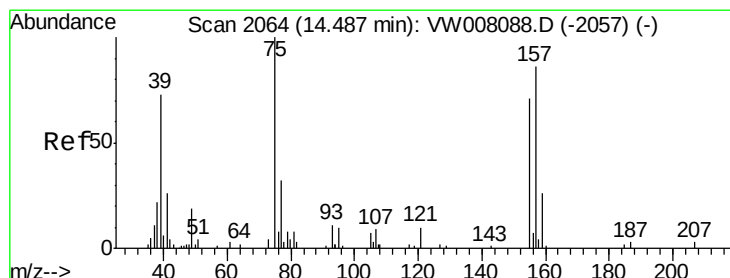
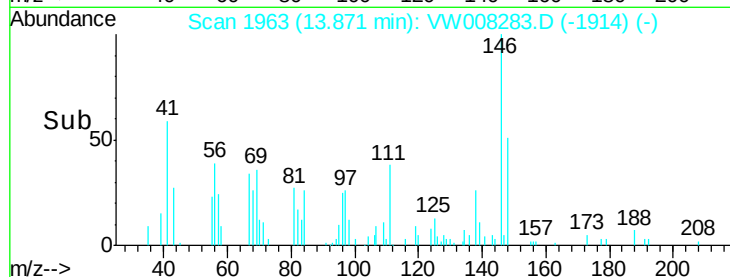
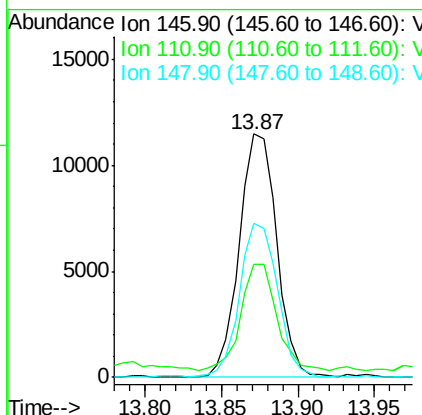
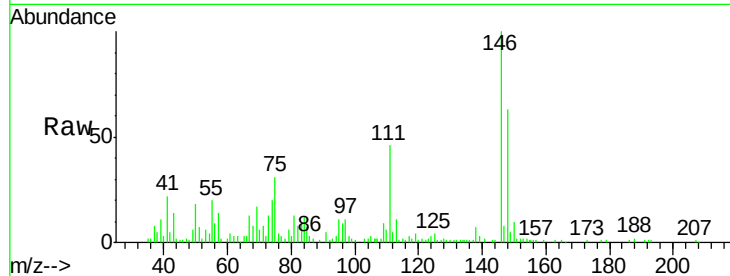




#91
 1,2-Dichlorobenzene
 Concen: 10.661 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

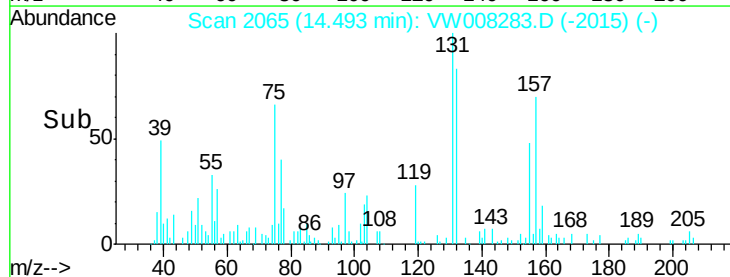
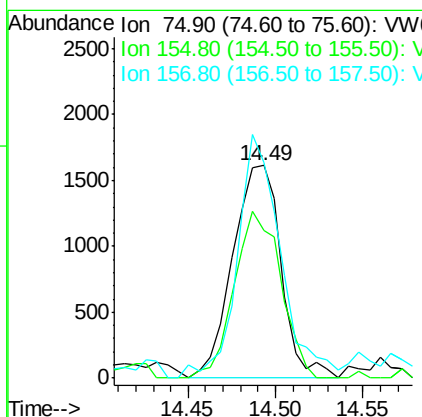
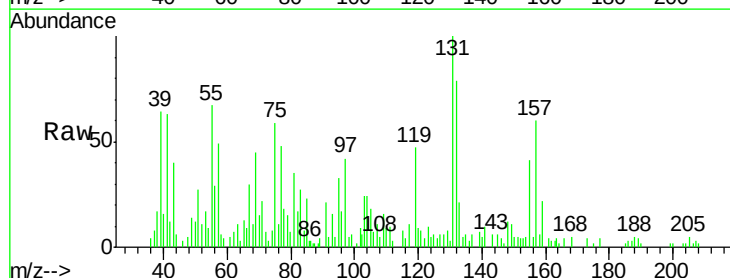
Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-07(15-20)MSD

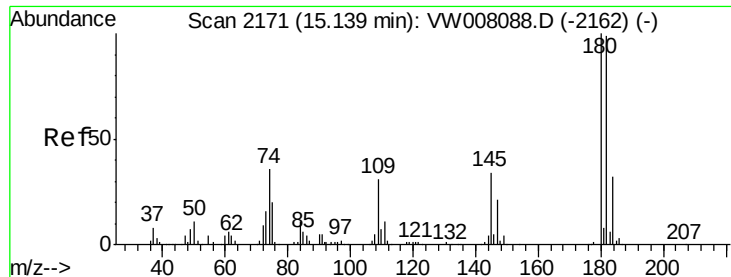
Tot Ion:146 Resp: 19593
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.3 63.7
 148 64.3 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.691 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

Tgt Ion: 75 Resp: 3103
 Ion Ratio Lower Upper
 75 100
 155 75.6 38.6 115.7
 157 102.4 47.5 142.6

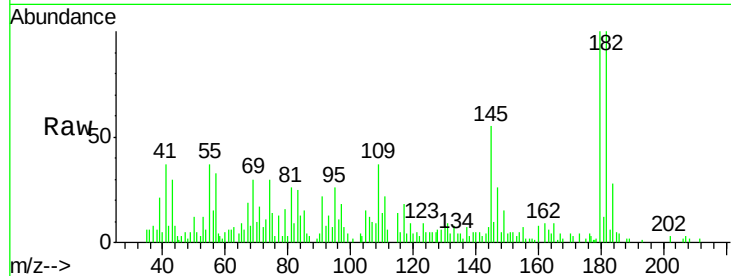




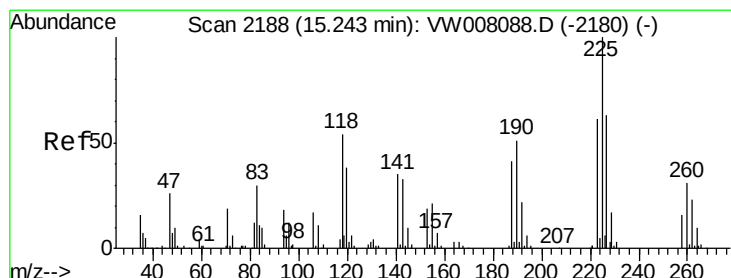
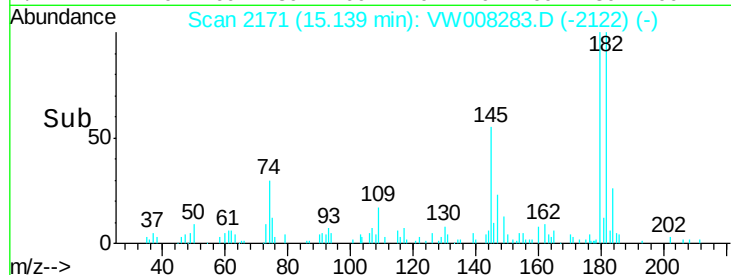
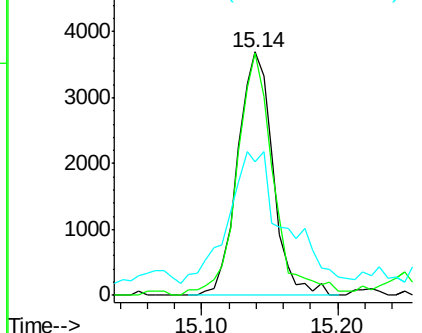
#93
 1,2,4-Trichlorobenzene
 Concen: 5.480 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-07(15-20)MSD

Tot Ion:180 Resp: 6686
 Ion Ratio Lower Upper
 180 100
 182 103.1 48.6 145.9
 145 92.0 16.6 49.7#

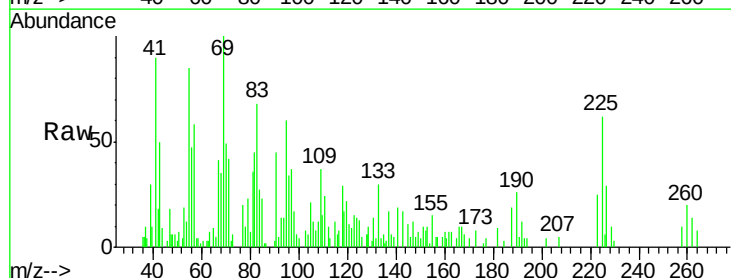


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

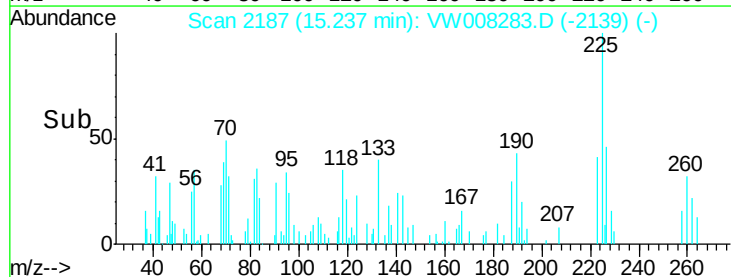
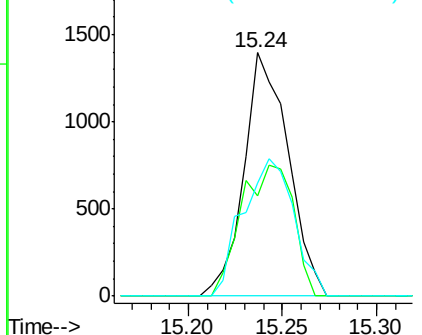


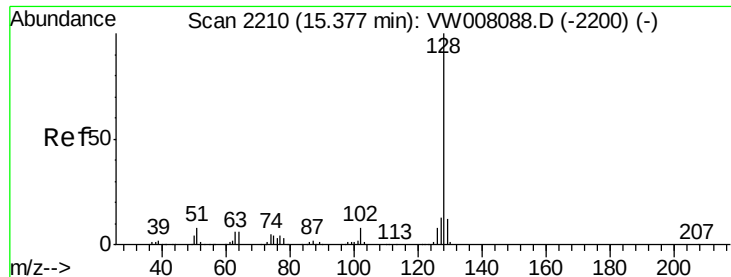
#94
 Hexachlorobutadiene
 Concen: 3.484 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008283.D
 Acq: 15 Jan 2019 14:45

Tgt Ion:225 Resp: 2275
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.4 94.3
 227 65.2 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 11.011 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

CPSB-07(15-20)MSD

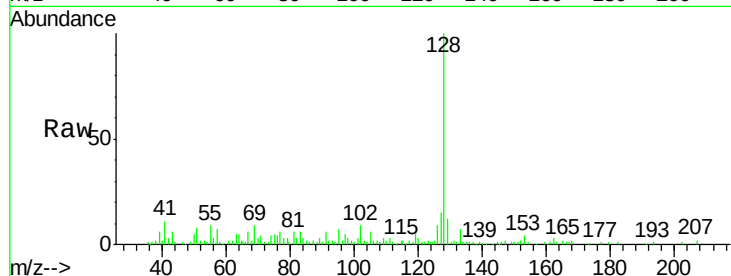
Tot Ion:128 Resp: 25086

Ion Ratio Lower Upper

128 100

127 18.4 11.0 16.4#

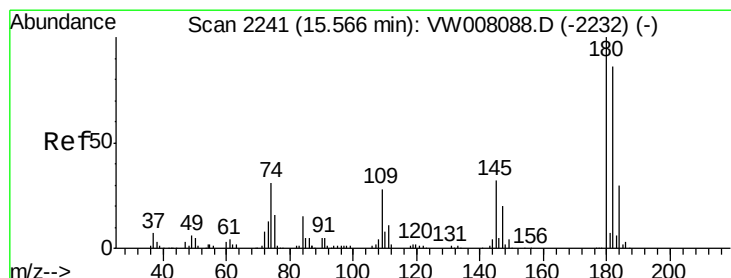
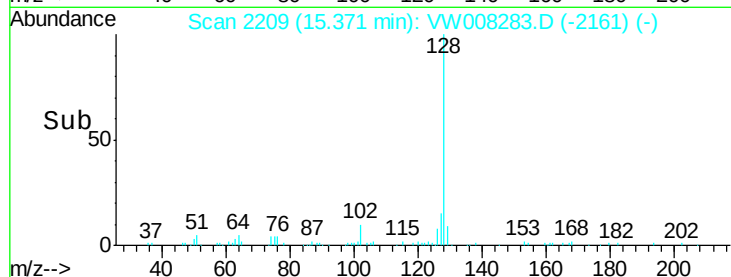
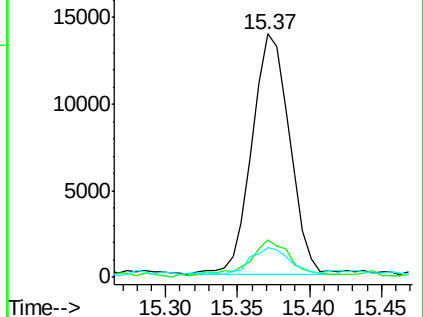
129 10.8 9.0 13.6



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: 5.459 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008283.D

Acq: 15 Jan 2019 14:45

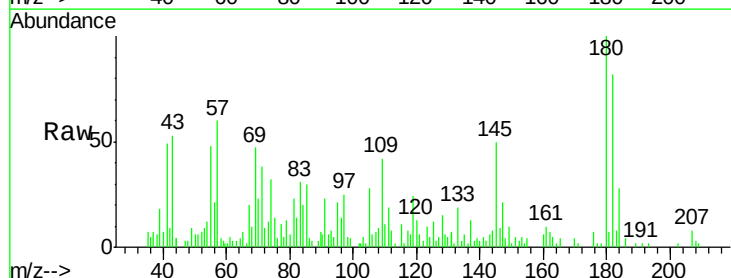
Tgt Ion:180 Resp: 5678

Ion Ratio Lower Upper

180 100

182 101.4 46.5 139.3

145 84.3 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

