

Data File : VW015307.D
Acq On : 22 Apr 2020 14:50
Operator : SY/VA
Sample : L2314-17MS
Misc : 5.36G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WB-4-1MS

Quant Time: Apr 23 07:02:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	157501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	234224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	170245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	48131	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	72203	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
35) Dibromofluoromethane	7.88	113	74744	57.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.22%	
50) Toluene-d8	10.32	98	264073	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.62	95	65709	31.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	70394	56.597	ug/l	96
3) Chloromethane	2.22	50	79085	58.389	ug/l	99
4) Vinyl Chloride	2.35	62	87841	54.921	ug/l	99
5) Bromomethane	2.76	94	74900	65.863	ug/l	93
6) Chloroethane	2.92	64	55609	56.052	ug/l	98
7) Trichlorofluoromethane	3.26	101	118351	52.293	ug/l	99
8) Diethyl Ether	3.68	74	37010	58.259	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	62757	44.965	ug/l	91
10) Methyl Iodide	4.27	142	76855	52.427	ug/l	98
11) Tert butyl alcohol	5.17	59	27548	262.387	ug/l	100
12) 1,1-Dichloroethene	4.04	96	66960	49.844	ug/l	90
13) Acrolein	3.90	56	8899	161.943	ug/l	93
14) Allyl chloride	4.67	41	81604	45.789	ug/l	86
15) Acrylonitrile	5.37	53	65729	271.882	ug/l	99
16) Acetone	4.12	43	75560	335.885	ug/l	97
17) Carbon Disulfide	4.38	76	139855	35.032	ug/l	97
18) Methyl Acetate	4.68	43	57347	96.306	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	184271	59.753	ug/l	95
20) Methylene Chloride	4.92	84	81920	55.564	ug/l	90
21) trans-1,2-Dichloroethene	5.43	96	66873	43.892	ug/l	94
22) Diisopropyl ether	6.31	45	204465	59.804	ug/l #	93
23) Vinyl Acetate	6.26	43	428367	213.511	ug/l #	94
24) 1,1-Dichloroethane	6.22	63	132764	56.031	ug/l	98
25) 2-Butanone	7.17	43	88972	298.105	ug/l	92
26) 2,2-Dichloropropane	7.17	77	127424	51.117	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	84428	51.329	ug/l	98
28) Bromochloromethane	7.51	49	48345	56.118	ug/l #	72
29) Tetrahydrofuran	7.53	42	53678	288.677	ug/l	88
30) Chloroform	7.68	83	143228	56.007	ug/l	98
31) Cyclohexane	7.95	56	71943	30.205	ug/l	89
32) 1,1,1-Trichloroethane	7.87	97	128346	52.001	ug/l	99
36) 1,1-Dichloropropene	8.08	75	83428	39.464	ug/l	96
37) Ethyl Acetate	7.25	43	32639	47.573	ug/l #	96
38) Carbon Tetrachloride	8.07	117	107748	46.640	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	50949	18.107	ug/l	96
40) Benzene	8.32	78	301850	53.452	ug/l	97
41) Methacrylonitrile	7.48	41	24301	59.032	ug/l	96
42) 1,2-Dichloroethane	8.40	62	86924	52.287	ug/l	100
43) Isopropyl Acetate	8.42	43	71966	50.012	ug/l	93
44) Trichloroethene	9.09	130	73412	42.500	ug/l	93
45) 1,2-Dichloropropane	9.37	63	68981	52.528	ug/l	98
46) Dibromomethane	9.46	93	38031	50.064	ug/l #	87
47) Bromodichloromethane	9.65	83	103743	51.086	ug/l	99
48) Methyl methacrylate	9.43	41	36907	54.256	ug/l #	88
49) 1,4-Dioxane	9.45	88	11869	1172.007	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	187496	277.572	ug/l	96
52) Toluene	10.38	92	183245	46.366	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	81615	40.759	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	104527	44.911	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	56220	52.853	ug/l	98
56) Ethyl methacrylate	10.65	69	71202	51.960	ug/l	93
57) 1,3-Dichloropropane	10.93	76	89570	50.833	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	161725	254.561	ug/l	89
59) 2-Hexanone	10.97	43	137986	286.167	ug/l	97
60) Dibromochloromethane	11.13	129	70480	50.183	ug/l	99
61) 1,2-Dibromoethane	11.23	107	48226	46.463	ug/l	96
64) Tetrachloroethene	10.86	164	57257	47.123	ug/l	92
65) Chlorobenzene	11.66	112	165761	49.619	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	74627	62.153	ug/l	97
67) Ethyl Benzene	11.73	91	294582	47.285	ug/l	99
68) m/p-Xylenes	11.83	106	223165	91.386	ug/l	99
69) o-Xylene	12.16	106	113291	49.704	ug/l	100
70) Styrene	12.18	104	169893	43.727	ug/l	98
71) Bromoform	12.35	173	39398	58.235	ug/l #	98
73) Isopropylbenzene	12.46	105	235751	70.645	ug/l	99
74) N-amyl acetate	12.27	43	56764	97.773	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	55920	118.022	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	67508	181.305	ug/l #	100
77) Bromobenzene	12.74	156	60762	79.251	ug/l	88
78) n-propylbenzene	12.80	91	207889	53.504	ug/l	97
79) 2-Chlorotoluene	12.89	91	144390	65.941	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	161755	56.269	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	17211	101.044	ug/l	91
82) 4-Chlorotoluene	12.99	91	134795	57.979	ug/l	98
83) tert-Butylbenzene	13.21	119	133287	53.049	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	163704	57.737	ug/l	99
85) sec-Butylbenzene	13.38	105	130088	37.490	ug/l	97
86) p-Isopropyltoluene	13.49	119	120612	37.408	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	70433	46.235	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	72127	48.300	ug/l	98
89) n-Butylbenzene	13.82	91	71534	24.273	ug/l	97
90) Hexachloroethane	14.09	117	23092	39.053	ug/l	73
91) 1,2-Dichlorobenzene	13.87	146	71815	54.250	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8684	101.277	ug/l	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042220\
Quantitation Report (Not Reviewed)

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ClientSampleId :
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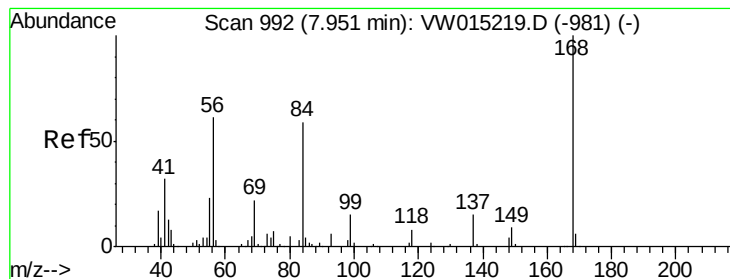
Quant Time: Apr 23 07:02:27 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	17254	18.752	ug/l	98
94) Hexachlorobutadiene	15.23	225	7286	11.877	ug/l	98
95) Naphthalene	15.36	128	71394	48.235	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	15803	21.109	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampleId :

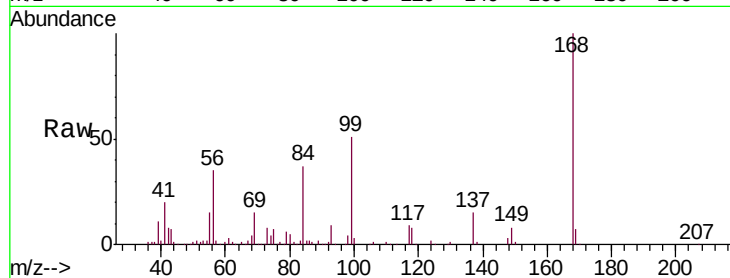
WB-4-1MS

Tgt Ion:168 Resp: 157501

Ion Ratio Lower Upper

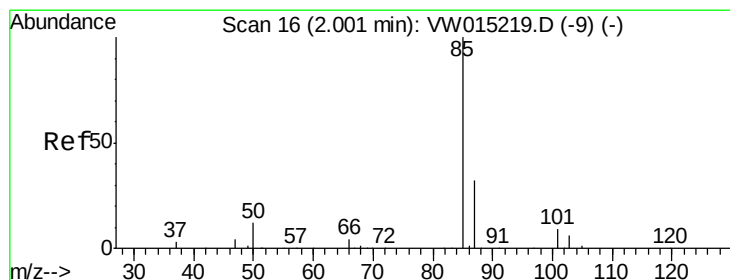
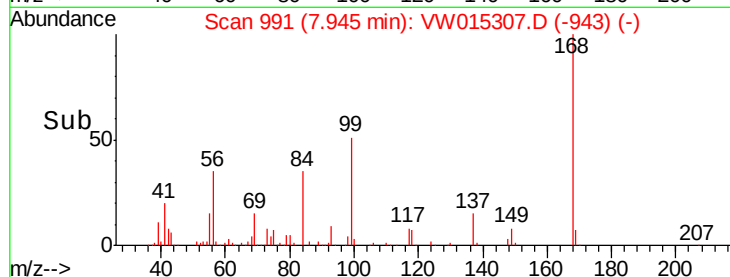
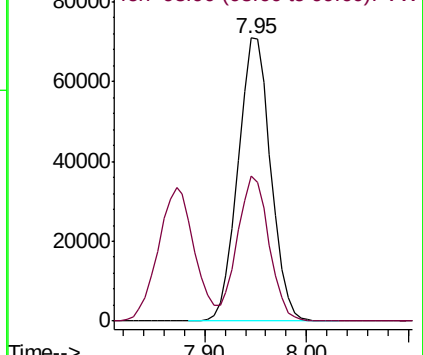
168 100

99 51.2 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 56.597 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015307.D

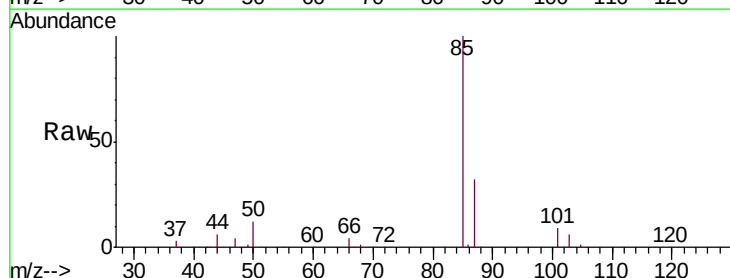
Acq: 22 Apr 2020 14:50

Tgt Ion: 85 Resp: 70394

Ion Ratio Lower Upper

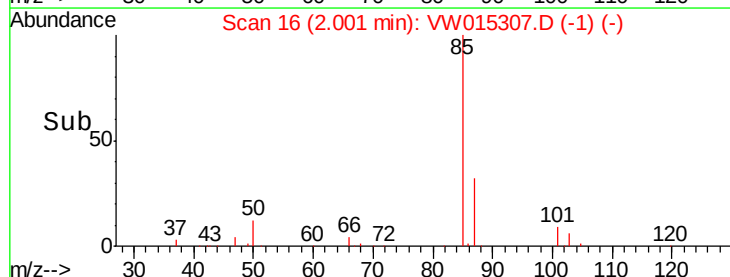
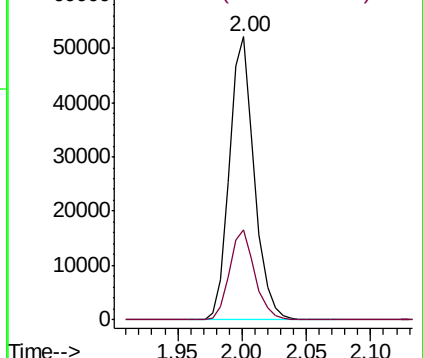
85 100

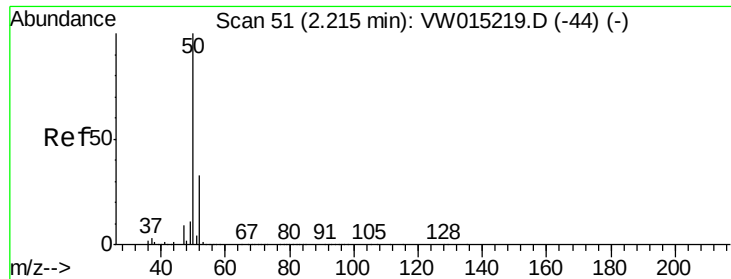
87 32.0 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 58.389 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampleId :

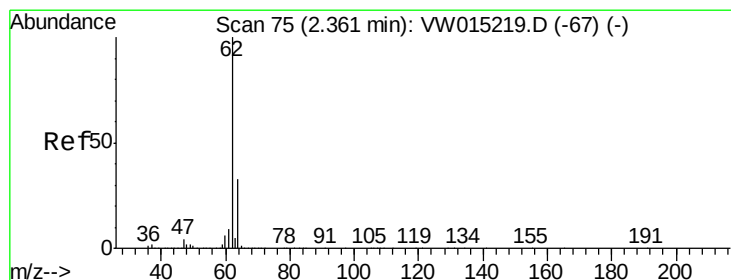
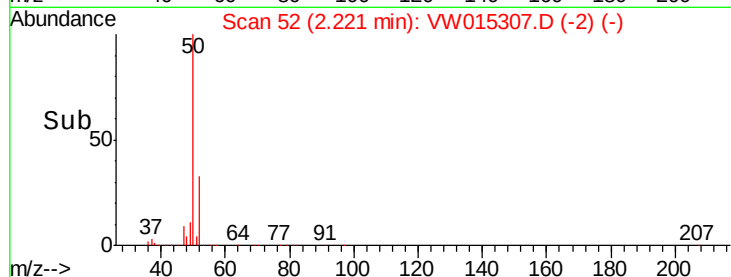
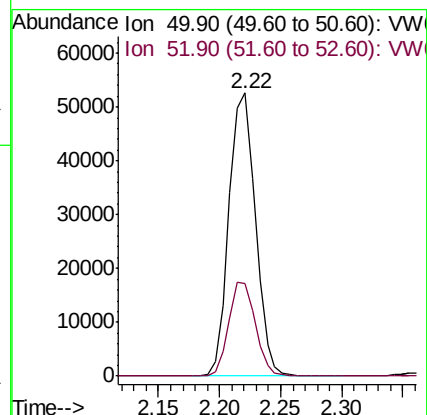
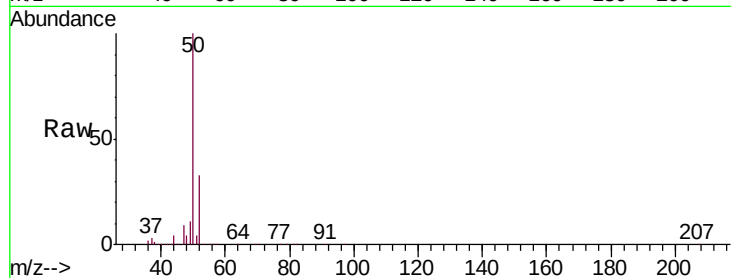
WB-4-1MS

Tgt Ion: 50 Resp: 79085

Ion Ratio Lower Upper

50 100

52 32.6 26.5 39.7



#4

Vinyl Chloride

Concen: 54.921 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW015307.D

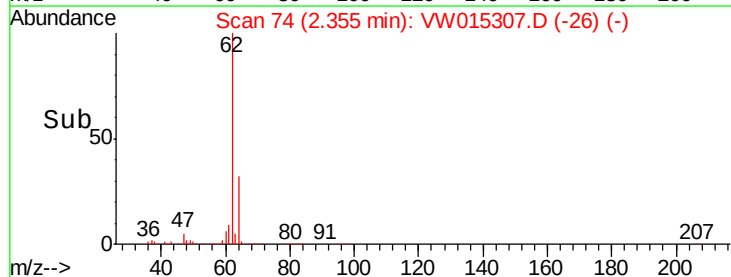
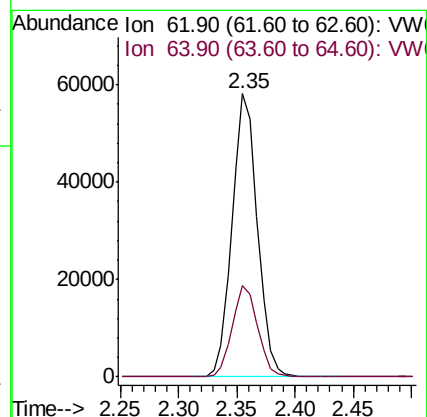
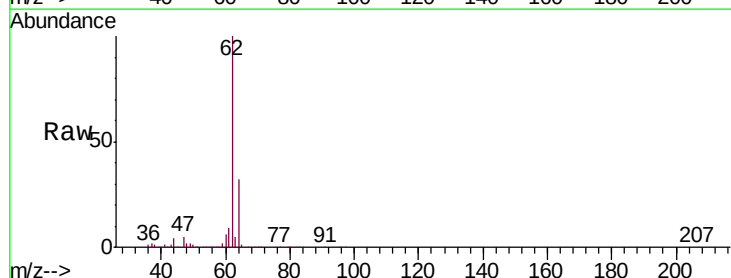
Acq: 22 Apr 2020 14:50

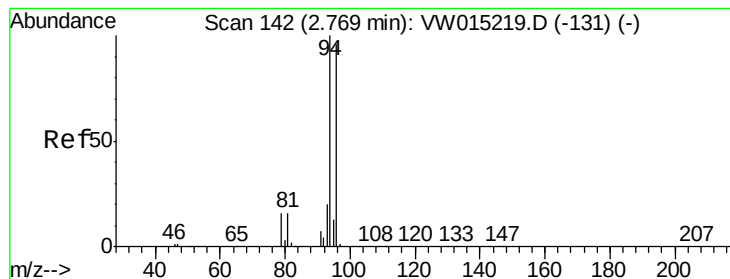
Tgt Ion: 62 Resp: 87841

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 65.863 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampleId :

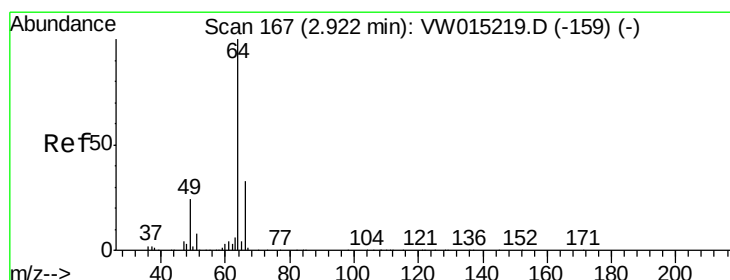
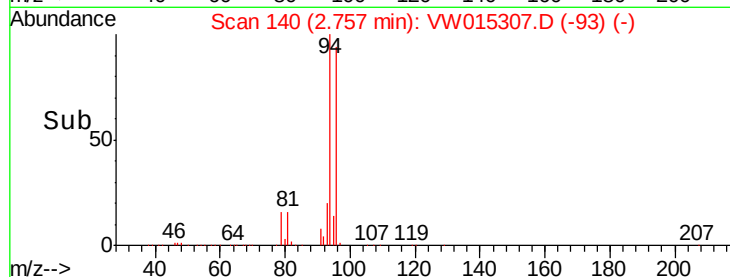
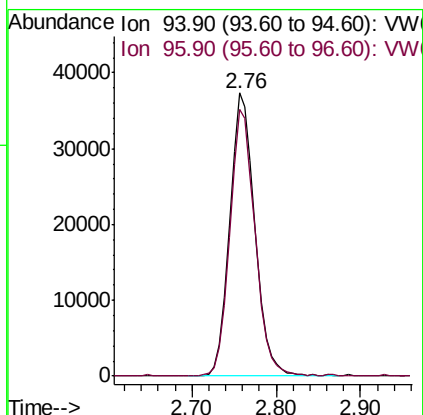
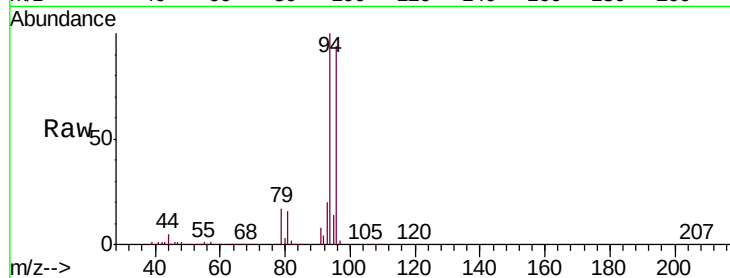
WB-4-1MS

Tgt Ion: 94 Resp: 74900

Ion Ratio Lower Upper

94 100

96 94.3 70.4 105.6



#6

Chloroethane

Concen: 56.052 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015307.D

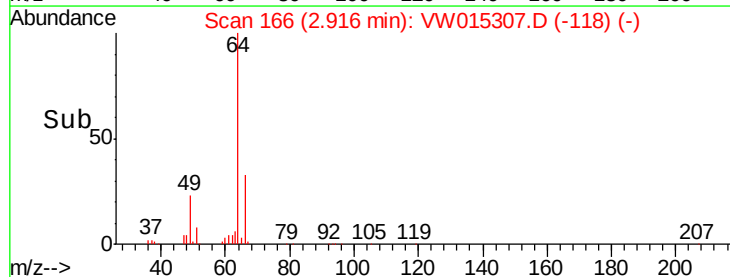
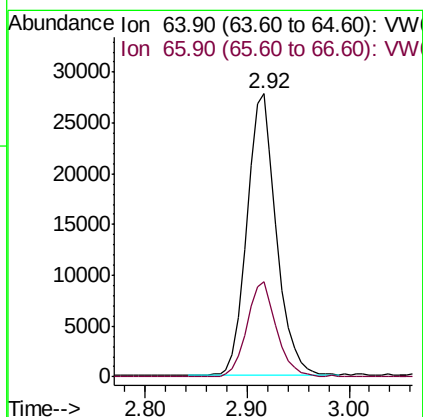
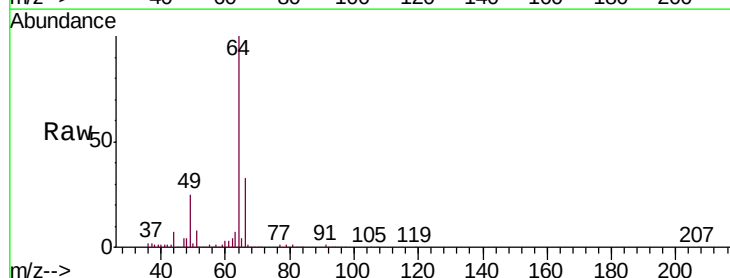
Acq: 22 Apr 2020 14:50

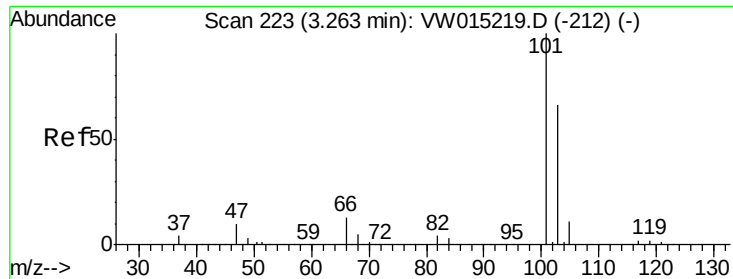
Tgt Ion: 64 Resp: 55609

Ion Ratio Lower Upper

64 100

66 33.4 25.8 38.6



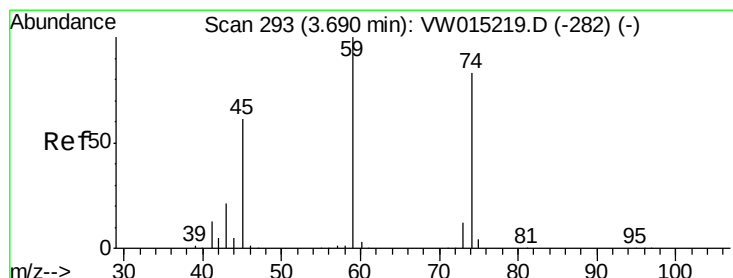
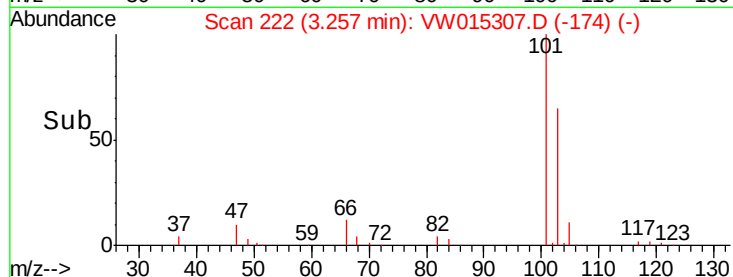
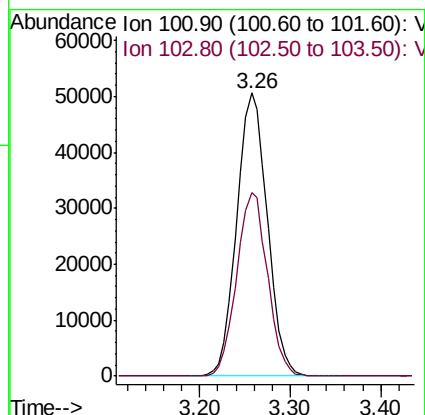
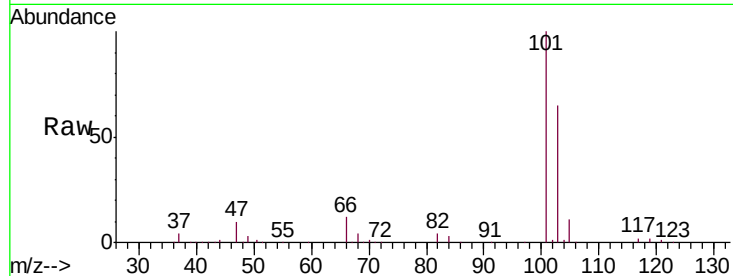


#7

Trichlorofluoromethane
 Concen: 52.293 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
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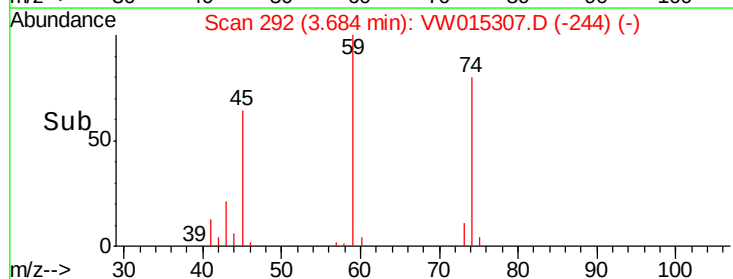
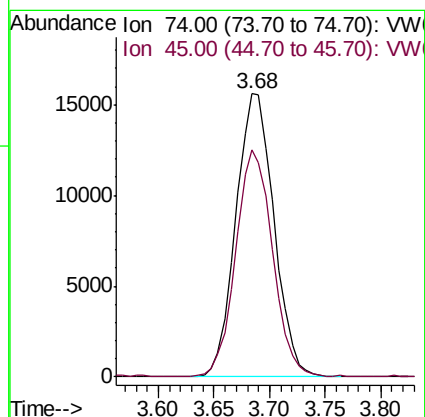
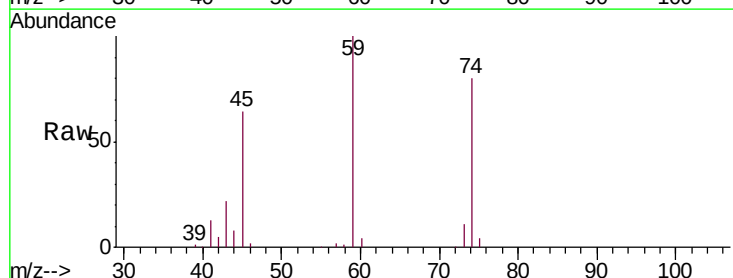
Tgt Ion: 101 Resp: 118351
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.3 76.9

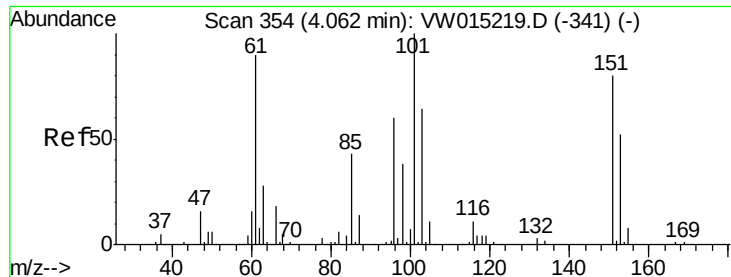


#8

Diethyl Ether
 Concen: 58.259 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Tgt Ion: 74 Resp: 37010
 Ion Ratio Lower Upper
 74 100
 45 77.9 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.965 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MS

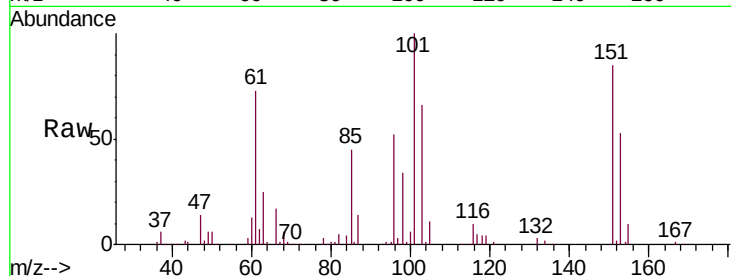
Tgt Ion:101 Resp: 62757

Ion Ratio Lower Upper

101 100

85 44.2 35.3 52.9

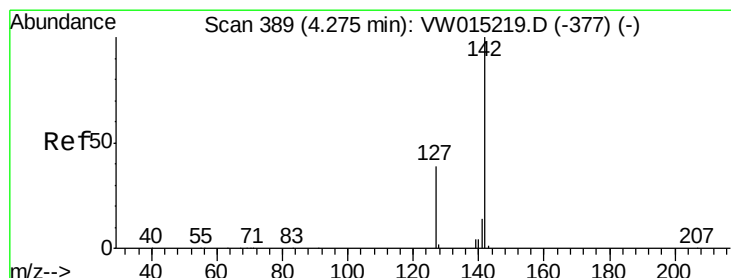
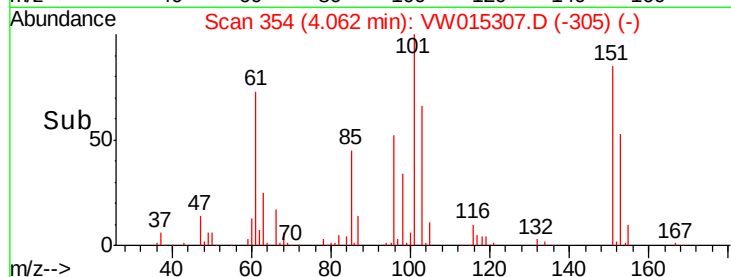
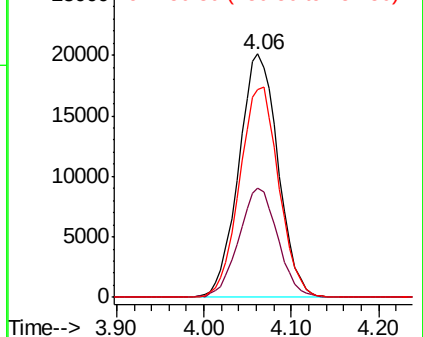
151 86.0 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.427 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

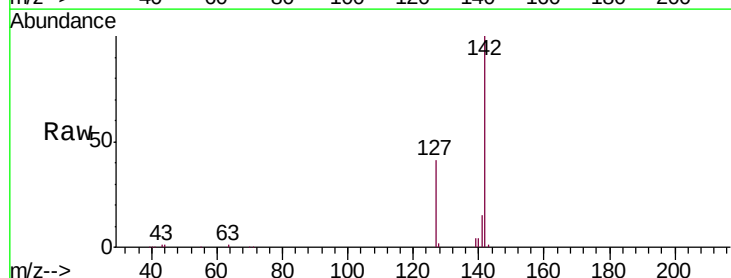
Tgt Ion:142 Resp: 76855

Ion Ratio Lower Upper

142 100

127 41.0 33.9 50.9

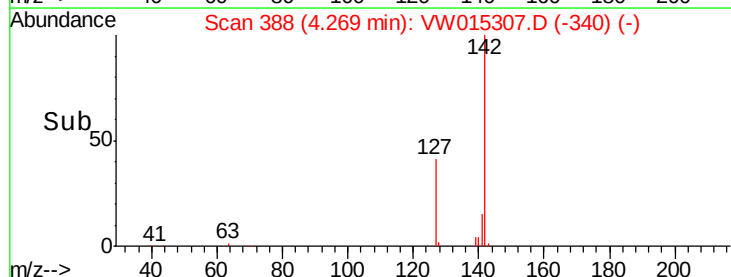
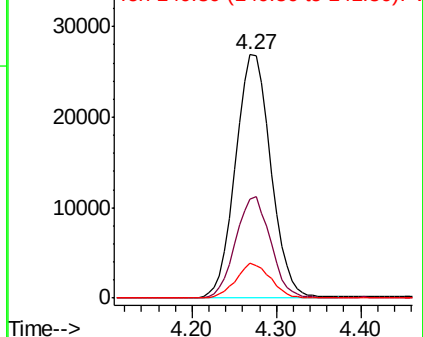
141 14.0 11.4 17.2

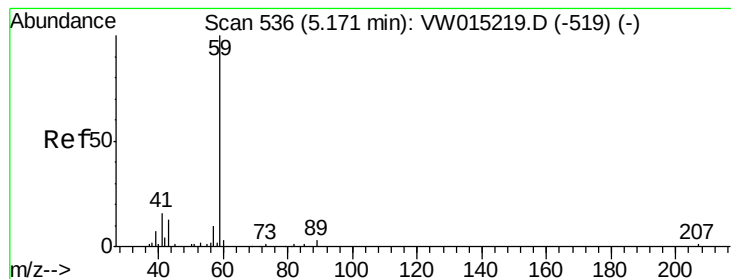


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



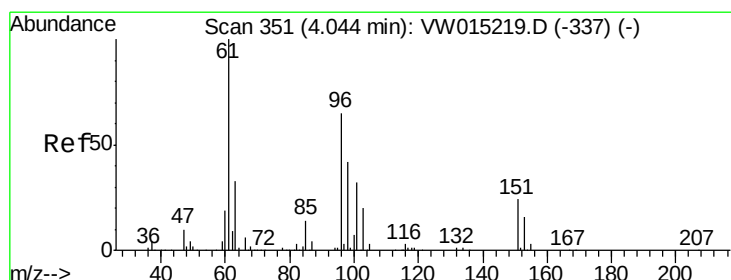
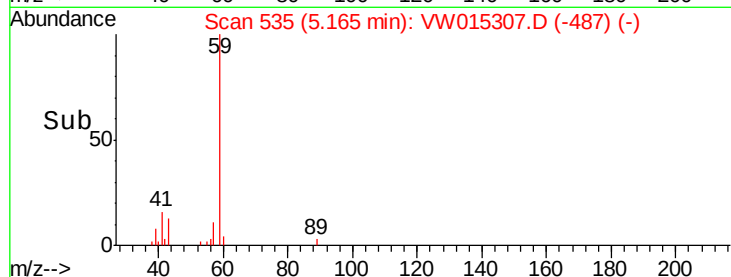
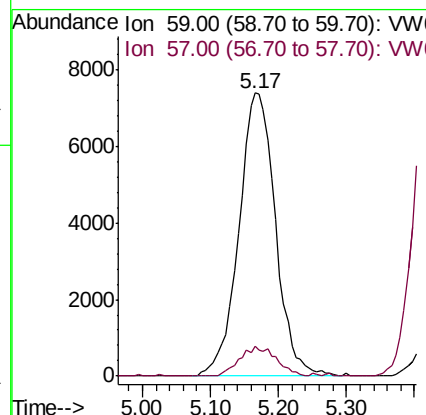
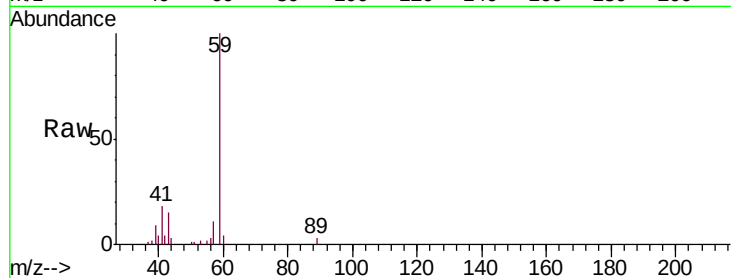


#11

Tert butyl alcohol
 Concen: 262.387 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Instrument :
 MSVOA_W
 ClientSampled :
 WB-4-1MS

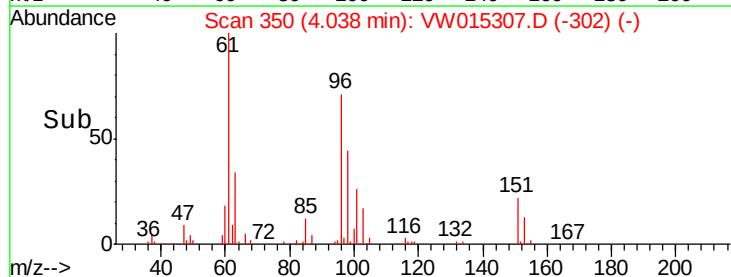
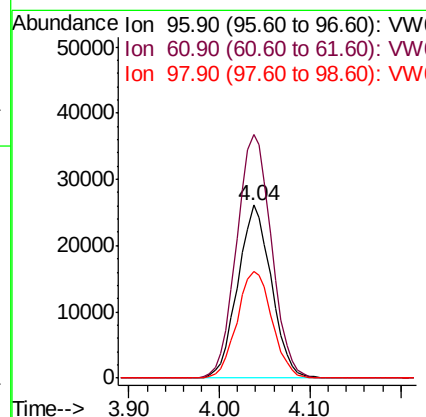
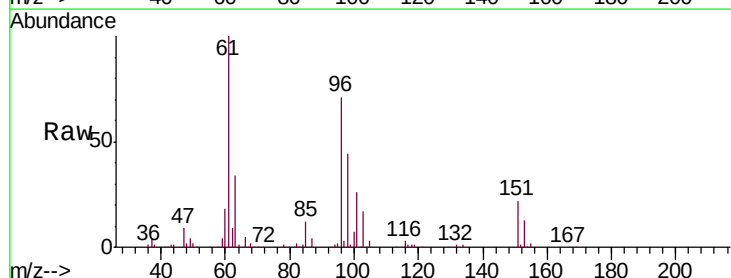
Tgt Ion: 59 Resp: 27548
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

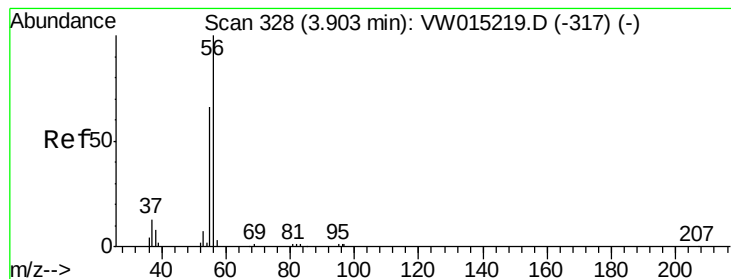


#12

1,1-Dichloroethene
 Concen: 49.844 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Tgt Ion: 96 Resp: 66960
 Ion Ratio Lower Upper
 96 100
 61 140.6 127.0 190.4
 98 61.8 51.0 76.4





#13

Acrolein

Concen: 161.943 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampleId :

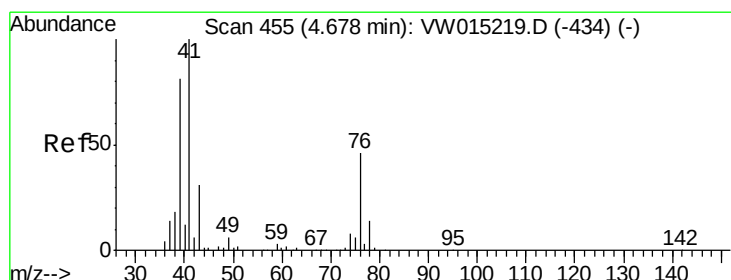
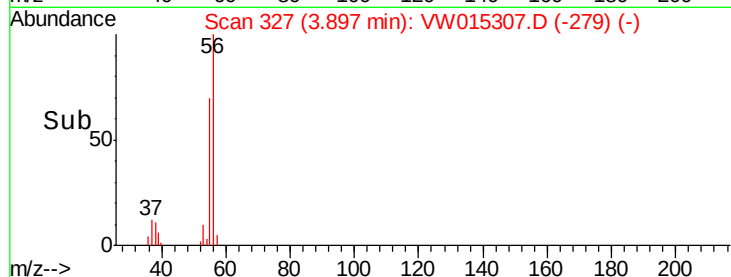
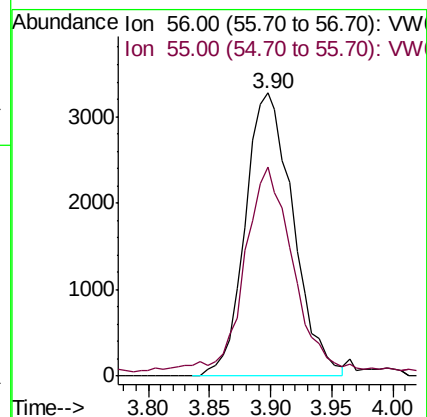
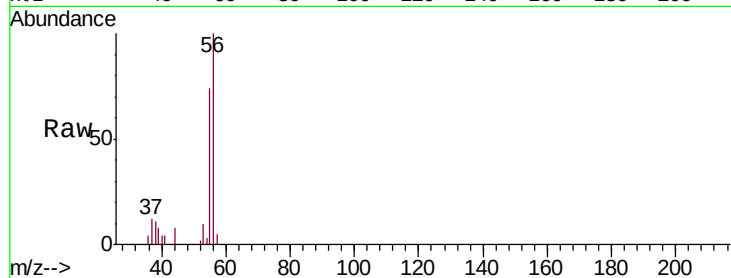
WB-4-1MS

Tgt Ion: 56 Resp: 8899

Ion Ratio Lower Upper

56 100

55 75.6 56.2 84.2



#14

Allyl chloride

Concen: 45.789 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

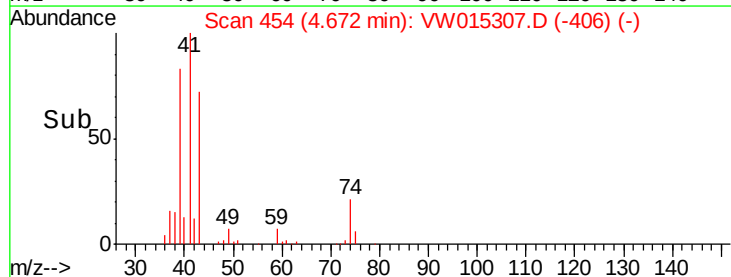
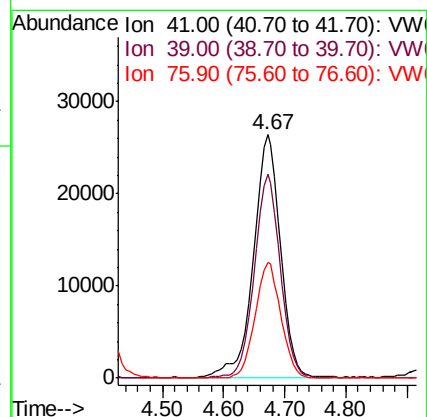
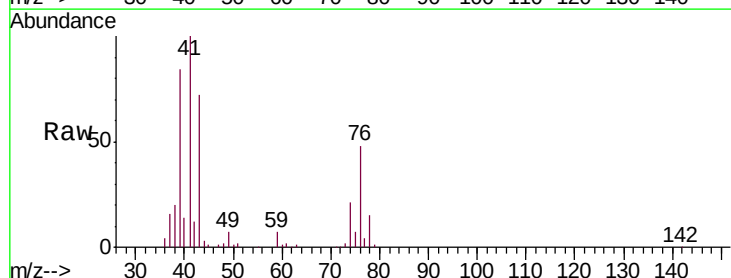
Tgt Ion: 41 Resp: 81604

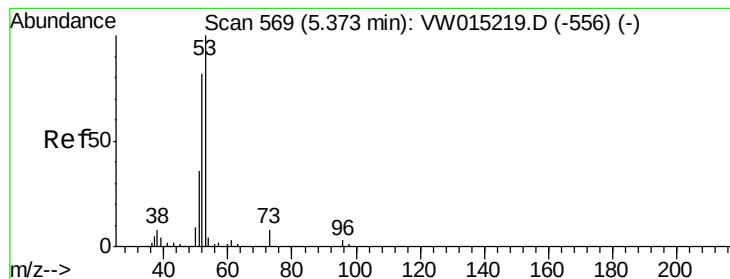
Ion Ratio Lower Upper

41 100

39 80.9 54.0 81.0

76 45.4 31.8 47.6





#15

Acrylonitrile

Concen: 271.882 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampled :

WB-4-1MS

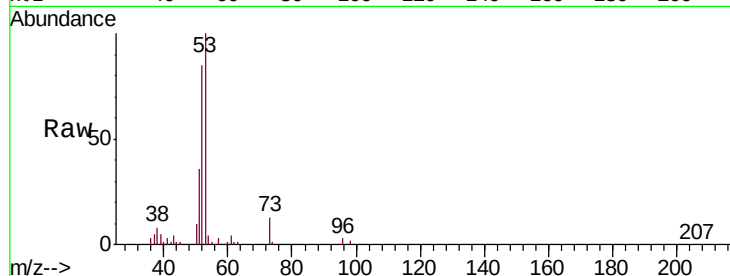
Tgt Ion: 53 Resp: 65729

Ion Ratio Lower Upper

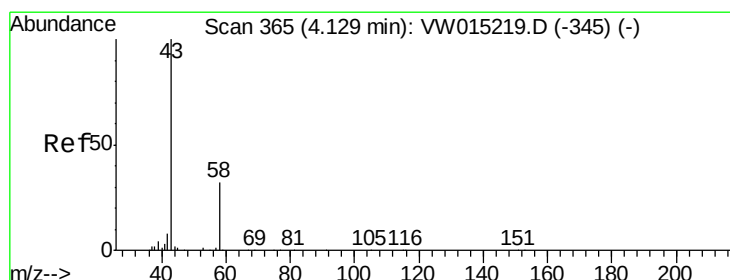
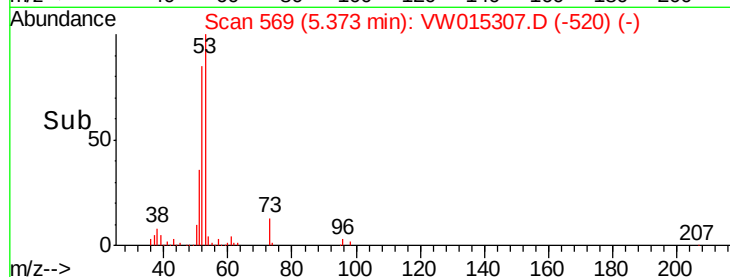
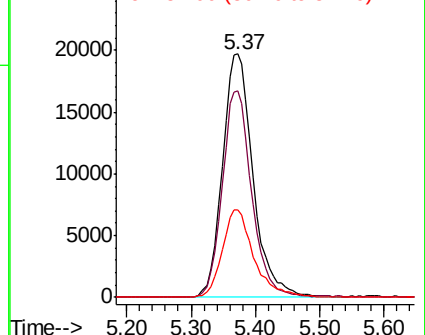
53 100

52 81.4 65.2 97.8

51 37.4 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 335.885 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015307.D

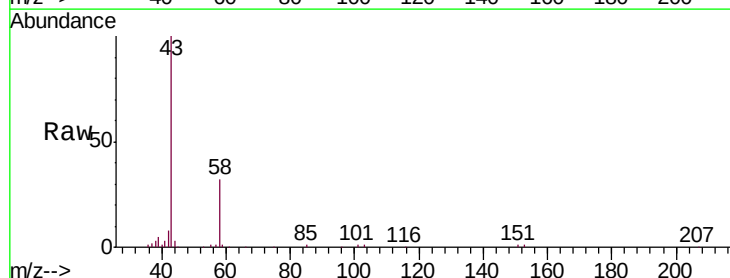
Acq: 22 Apr 2020 14:50

Tgt Ion: 43 Resp: 75560

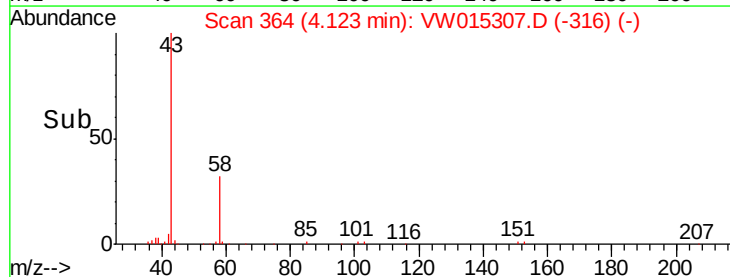
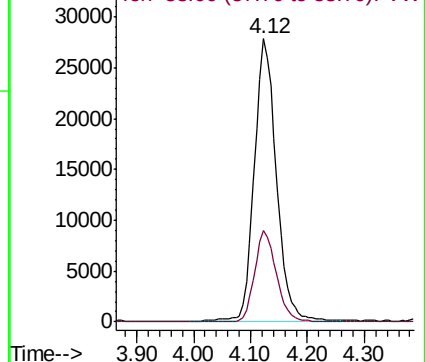
Ion Ratio Lower Upper

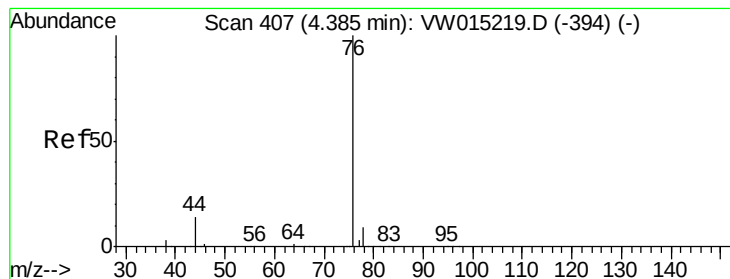
43 100

58 32.1 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 35.032 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampleId :

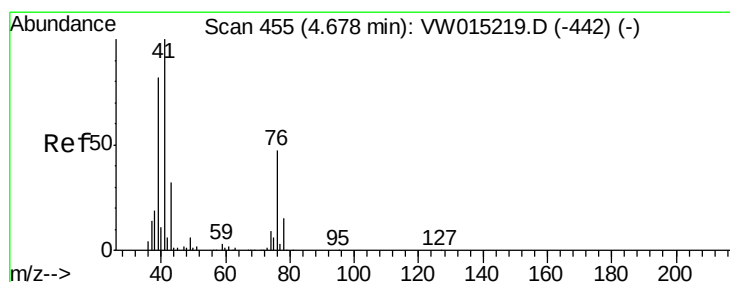
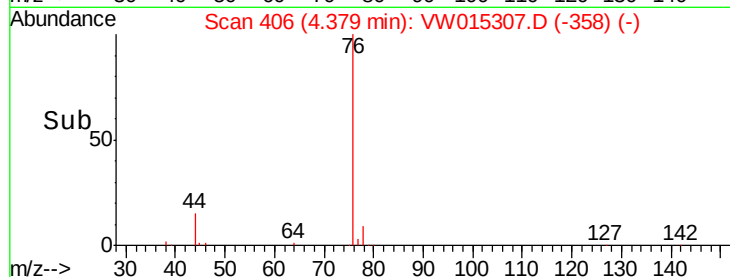
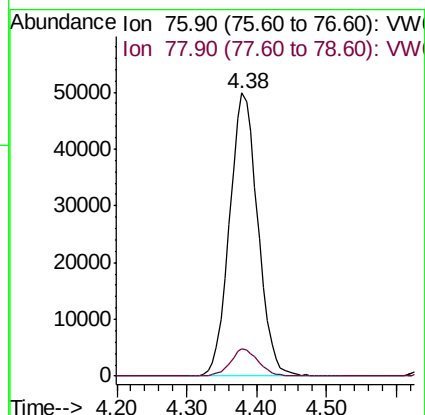
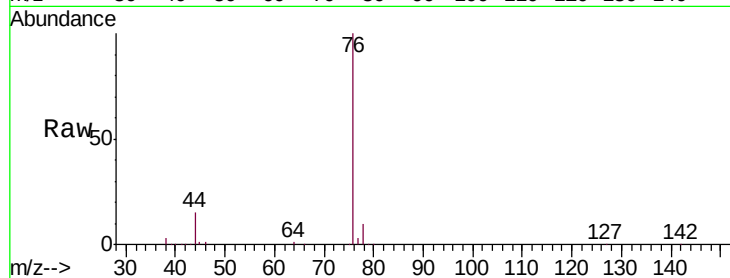
WB-4-1MS

Tgt Ion: 76 Resp: 139855

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.6



#18

Methyl Acetate

Concen: 96.306 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015307.D

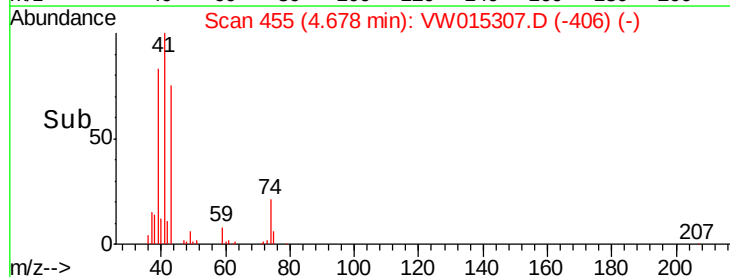
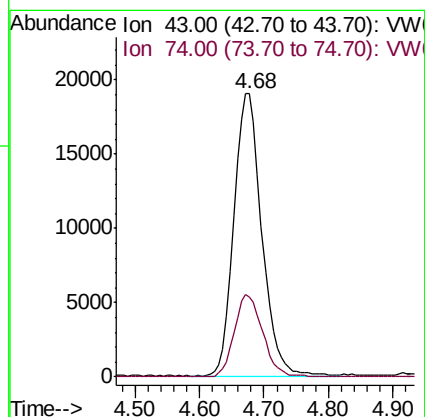
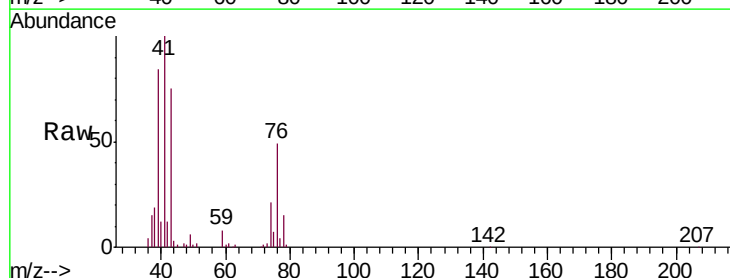
Acq: 22 Apr 2020 14:50

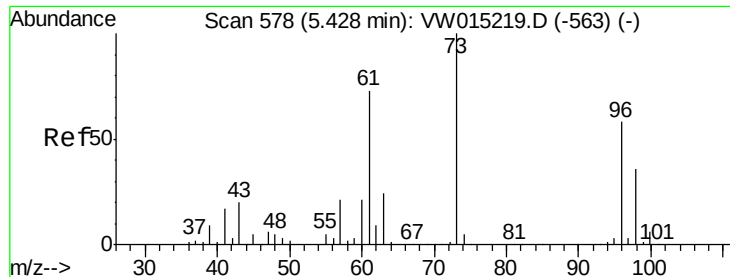
Tgt Ion: 43 Resp: 57347

Ion Ratio Lower Upper

43 100

74 29.5 20.6 31.0

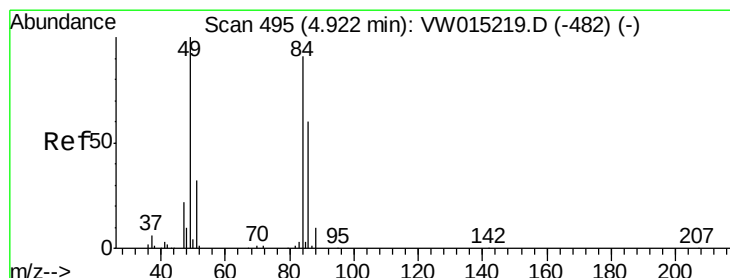
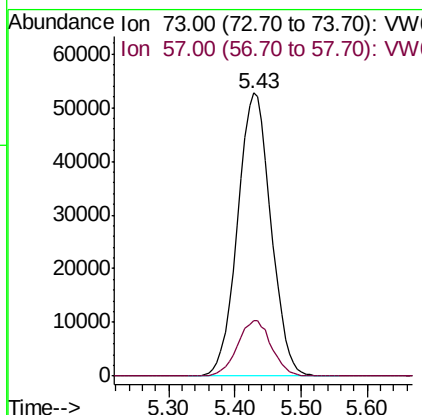
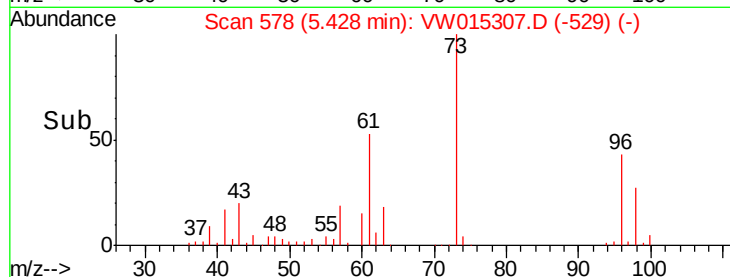
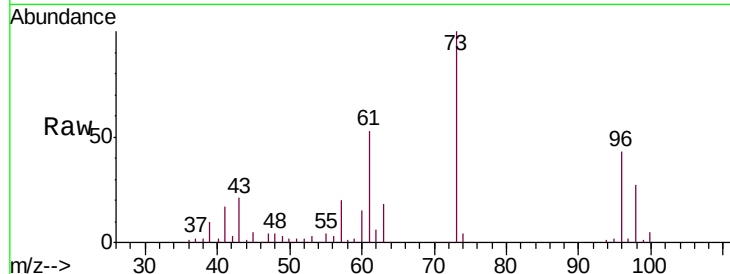




#19
Methyl tert-butyl Ether
Concen: 59.753 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015307.D
Acq: 22 Apr 2020 14:50

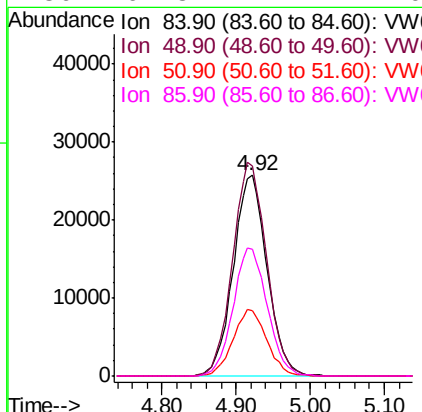
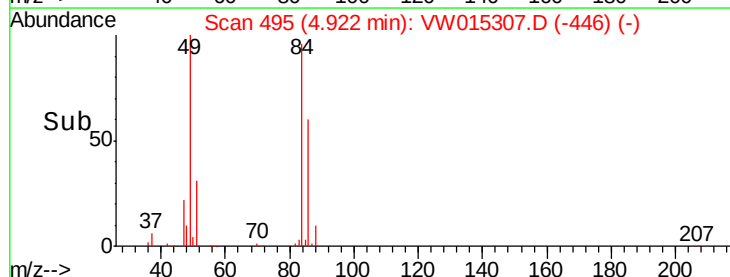
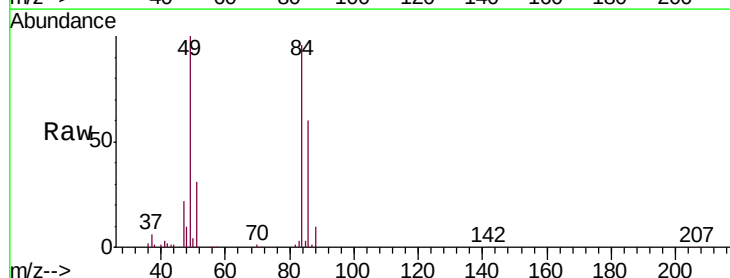
Instrument :
MSVOA_W
ClientSampleId :
WB-4-1MS

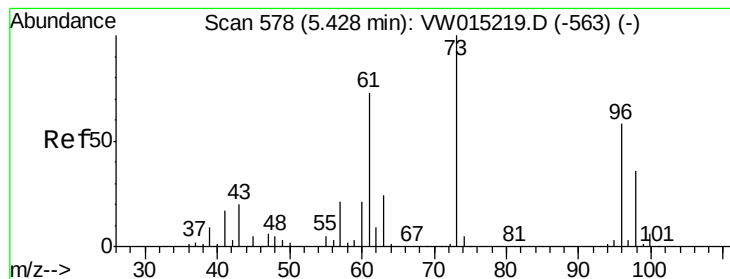
Tgt Ion: 73 Resp: 184271
Ion Ratio Lower Upper
73 100
57 19.8 17.8 26.6



#20
Methylene Chloride
Concen: 55.564 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015307.D
Acq: 22 Apr 2020 14:50

Tgt Ion: 84 Resp: 81920
Ion Ratio Lower Upper
84 100
49 104.5 95.4 143.0
51 32.8 29.8 44.8
86 62.8 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 43.892 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MS

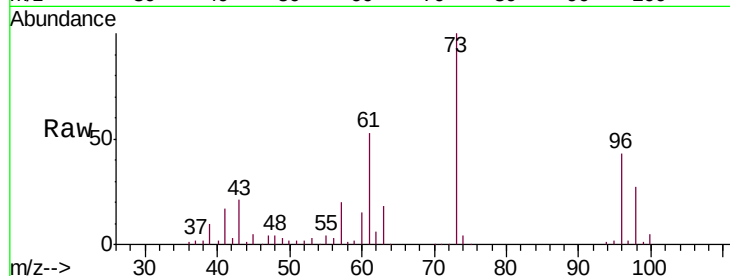
Tgt Ion: 96 Resp: 66873

Ion Ratio Lower Upper

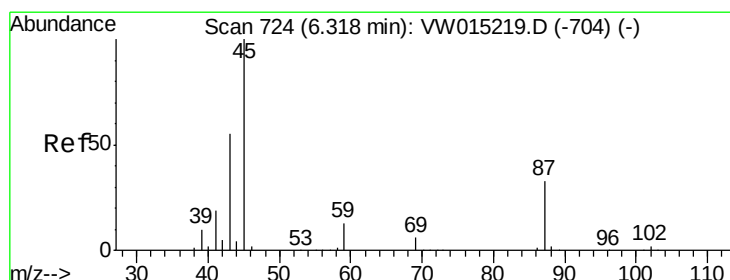
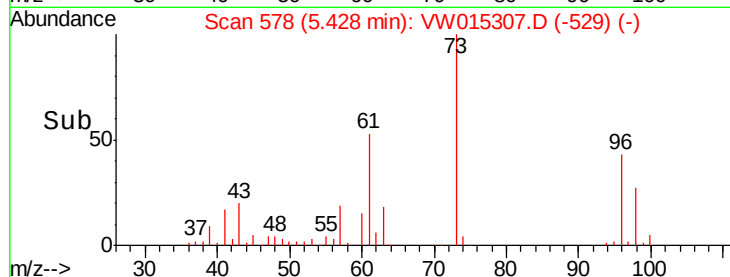
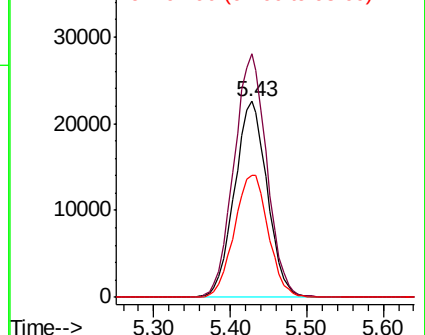
96 100

61 124.4 107.8 161.6

98 62.6 50.2 75.2



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 59.804 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Tgt Ion: 45 Resp: 204465

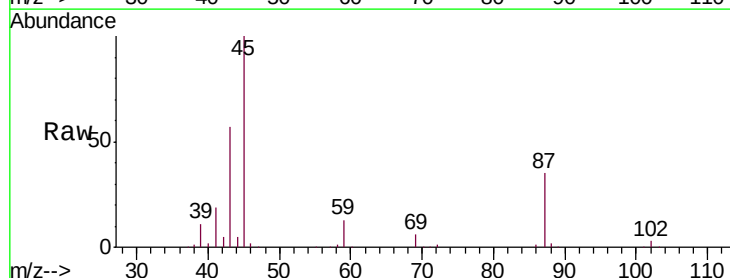
Ion Ratio Lower Upper

45 100

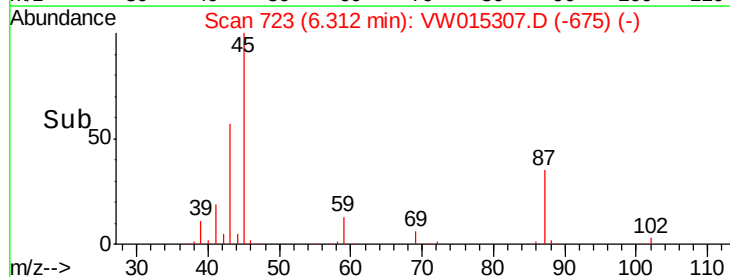
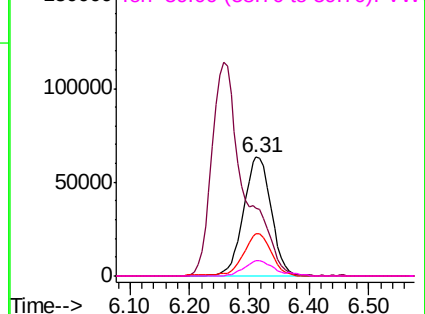
43 56.8 41.8 62.6

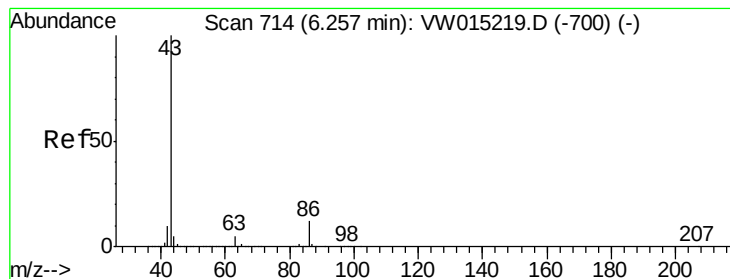
87 35.3 23.2 34.8#

59 12.5 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 213.511 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampleId :

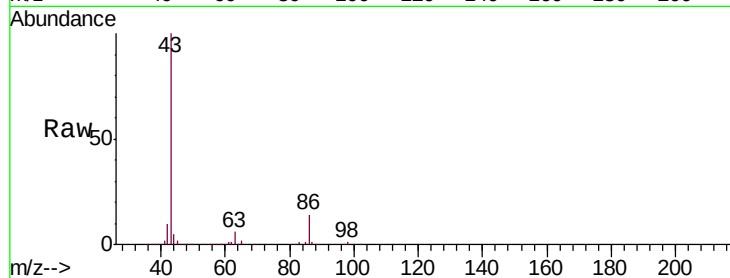
WB-4-1MS

Tgt Ion: 43 Resp: 428367

Ion Ratio Lower Upper

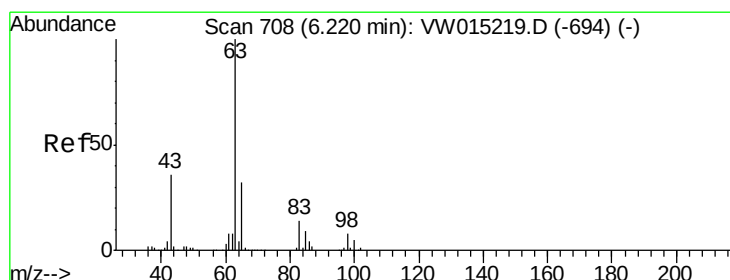
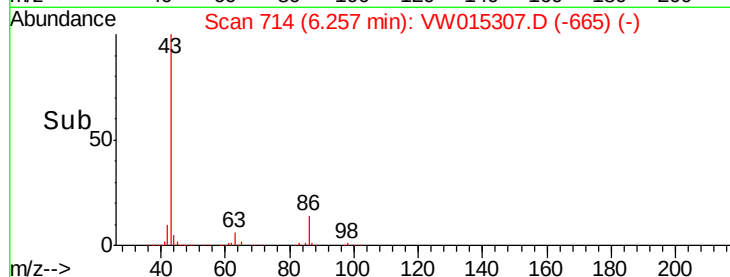
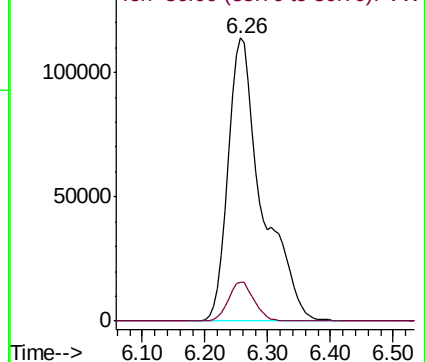
43 100

86 13.7 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 56.031 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

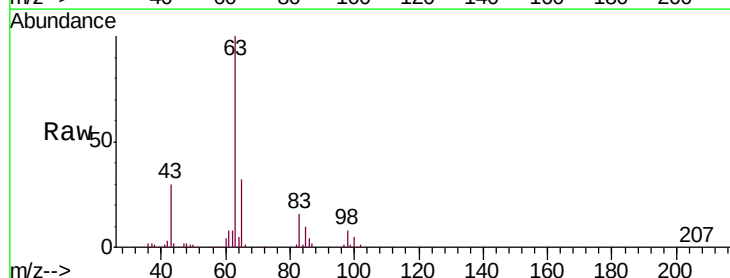
Tgt Ion: 63 Resp: 132764

Ion Ratio Lower Upper

63 100

98 8.4 3.6 10.9

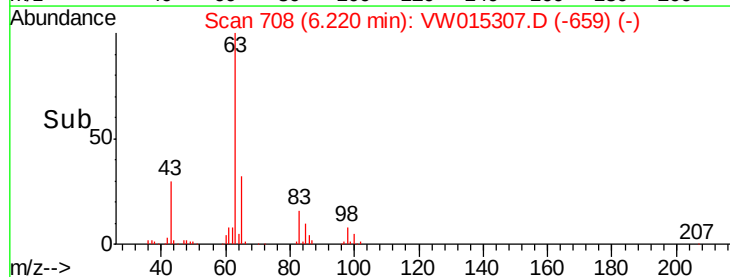
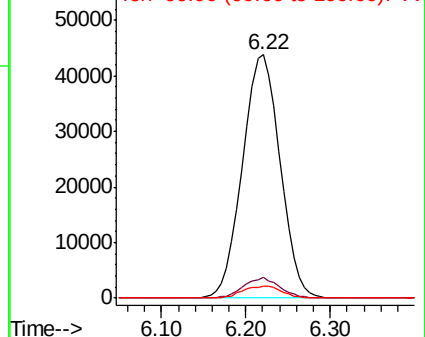
100 4.8 2.4 7.2

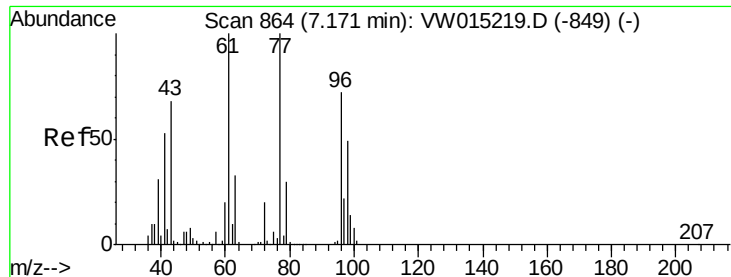


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 298.105 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampled :

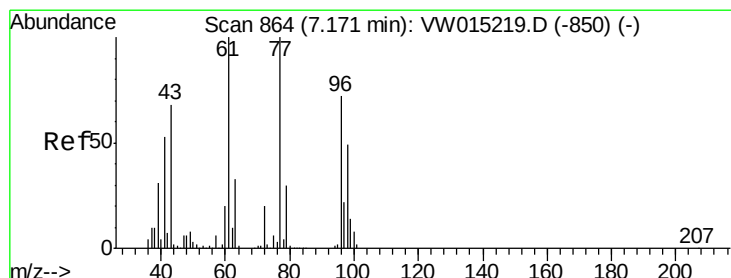
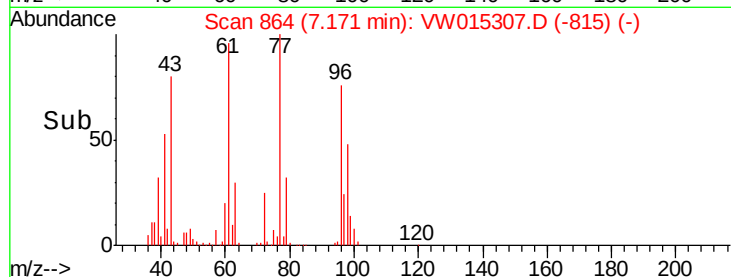
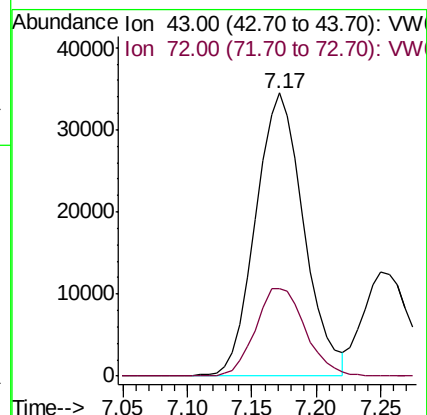
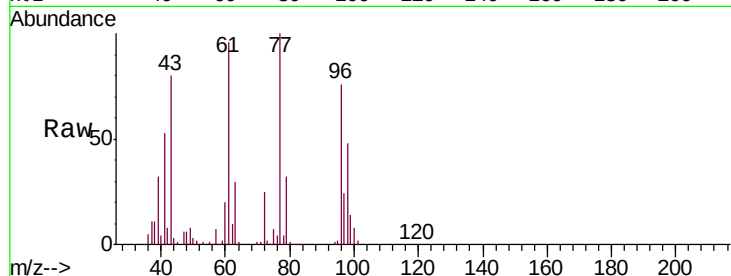
WB-4-1MS

Tgt Ion: 43 Resp: 88972

Ion Ratio Lower Upper

43 100

72 31.0 21.6 32.4



#26

2,2-Dichloropropane

Concen: 51.117 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015307.D

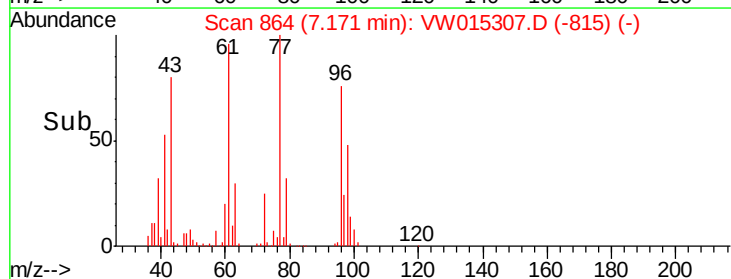
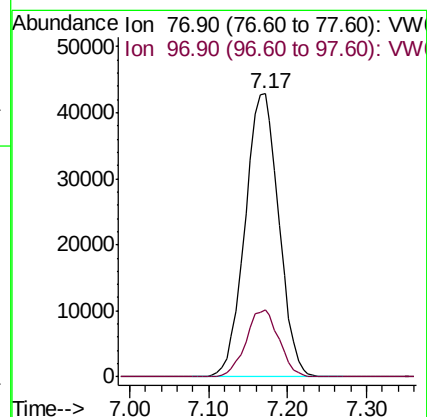
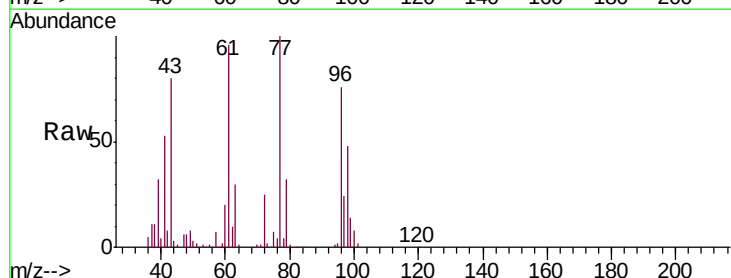
Acq: 22 Apr 2020 14:50

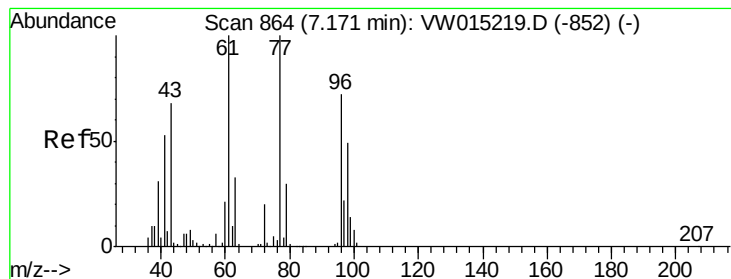
Tgt Ion: 77 Resp: 127424

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.5



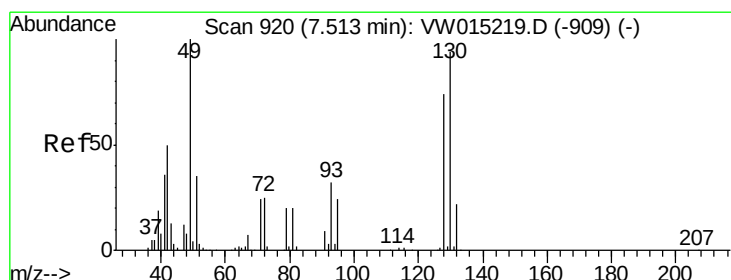
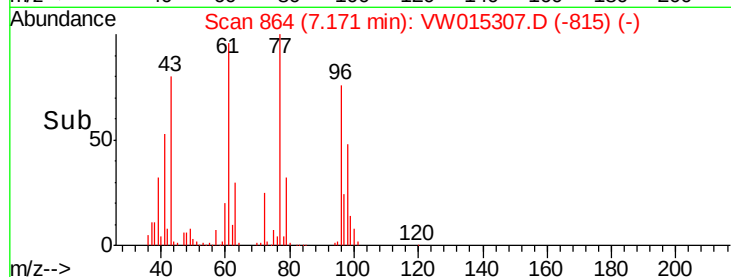
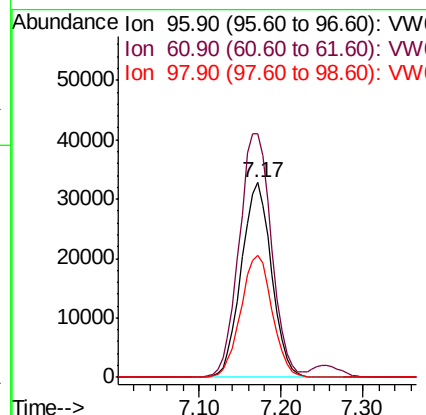
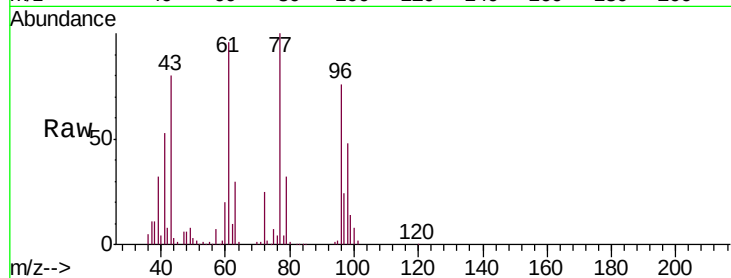


#27

cis-1,2-Dichloroethene
 Concen: 51.329 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Instrument :
 MSVOA_W
 ClientSampleId :
 WB-4-1MS

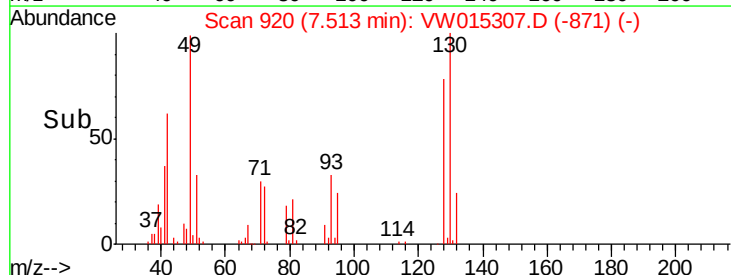
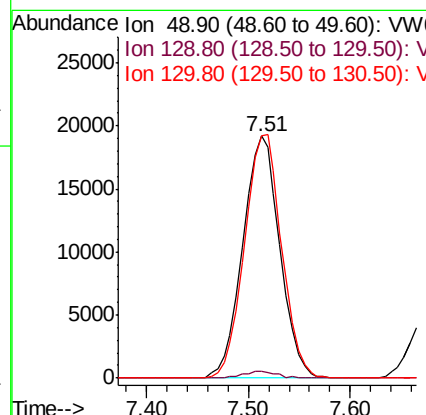
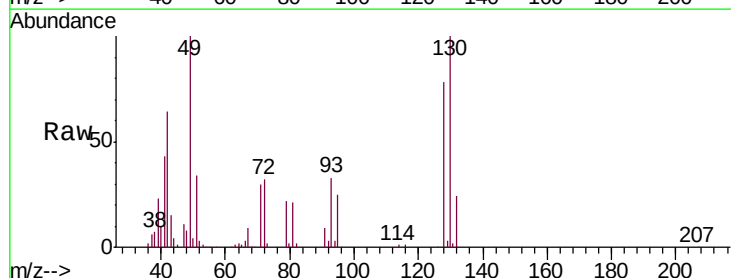
Tgt Ion: 96 Resp: 84428
 Ion Ratio Lower Upper
 96 100
 61 133.6 0.0 275.0
 98 64.8 0.0 130.8

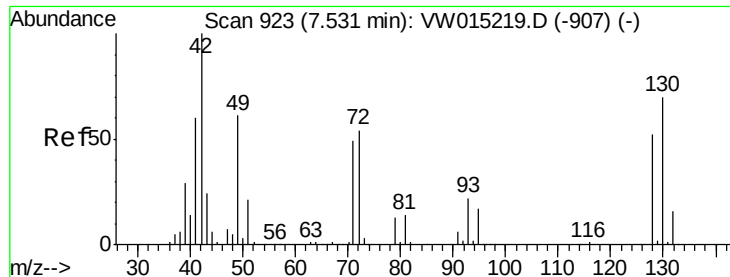


#28

Bromochloromethane
 Concen: 56.118 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Tgt Ion: 49 Resp: 48345
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 4.6
 130 100.7 60.9 91.3#





#29

Tetrahydrofuran

Concen: 288.677 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MS

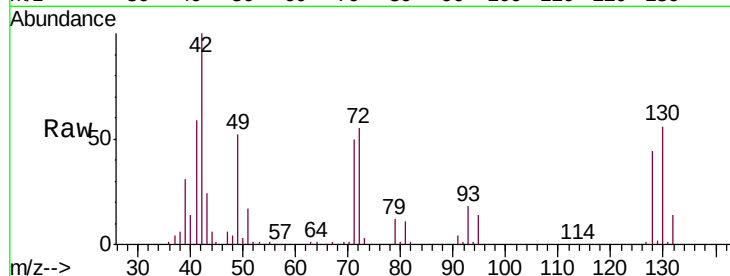
Tgt Ion: 42 Resp: 53678

Ion Ratio Lower Upper

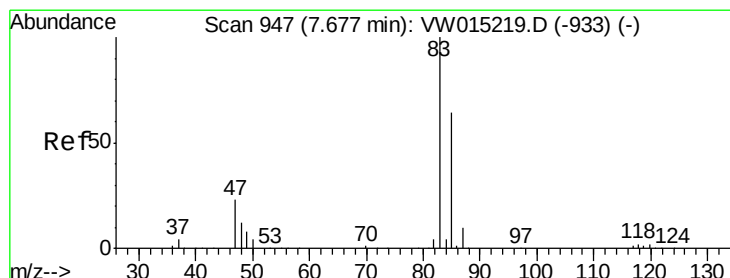
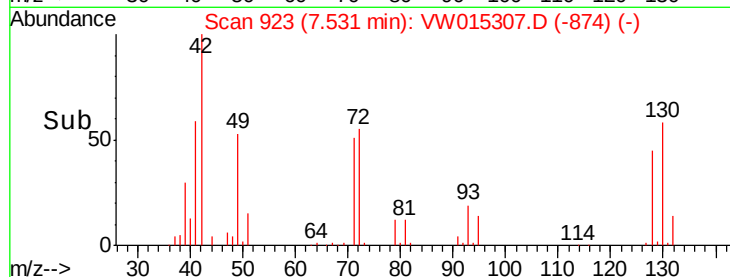
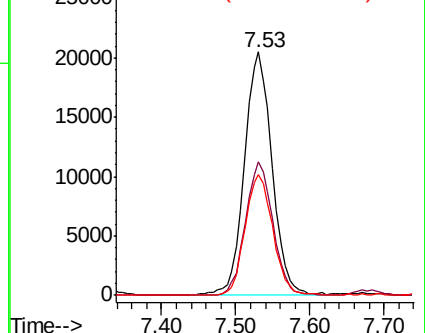
42 100

72 54.1 36.2 54.2

71 49.7 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 56.007 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015307.D

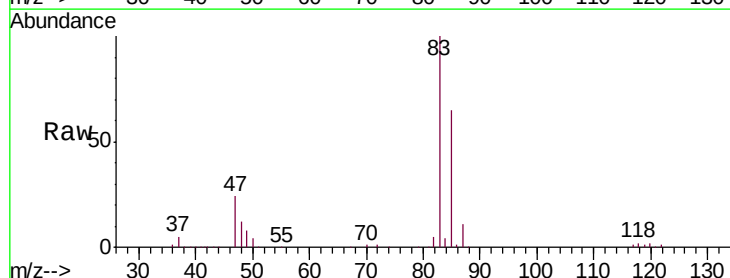
Acq: 22 Apr 2020 14:50

Tgt Ion: 83 Resp: 143228

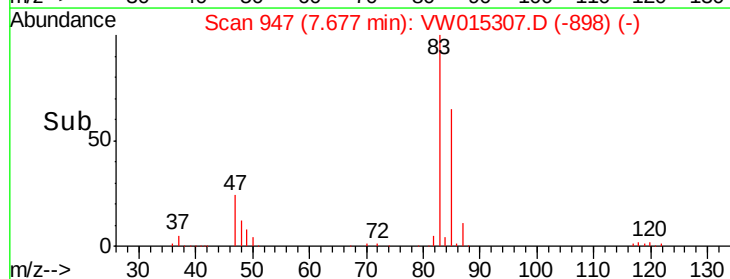
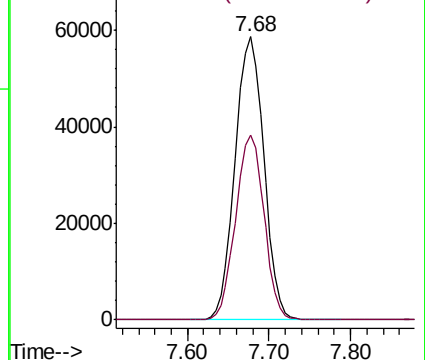
Ion Ratio Lower Upper

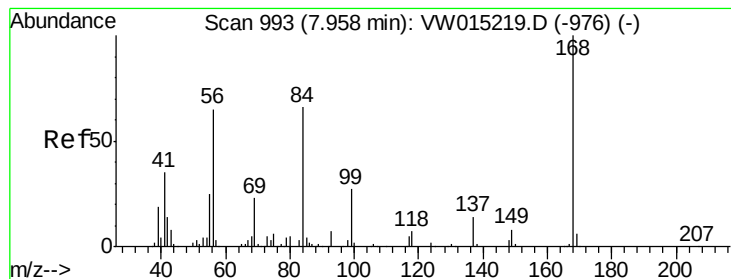
83 100

85 65.3 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 30.205 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MS

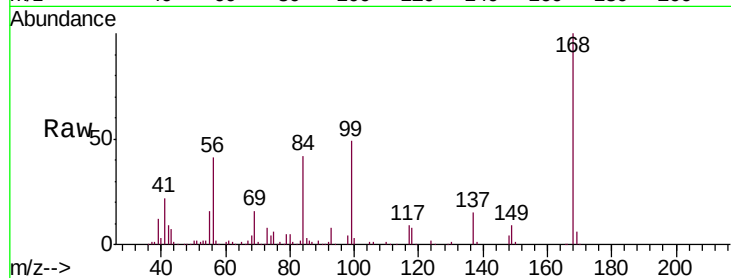
Tgt Ion: 56 Resp: 71943

Ion Ratio Lower Upper

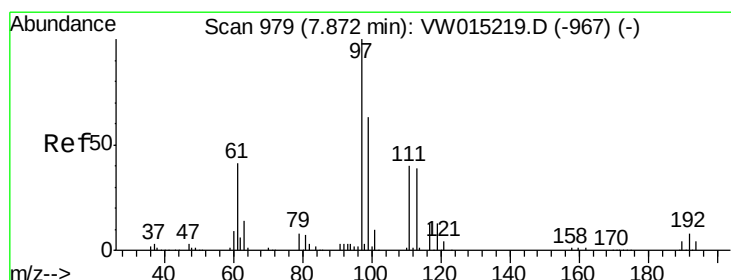
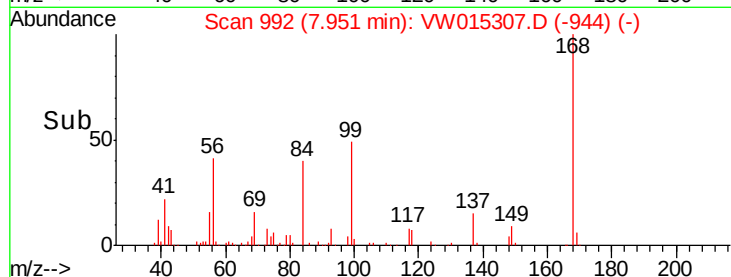
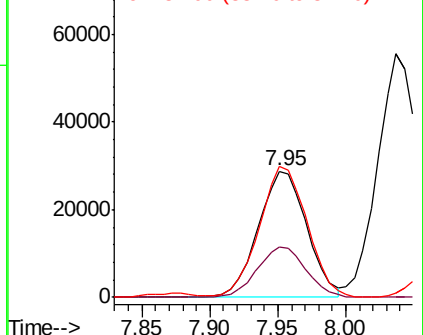
56 100

69 39.5 27.1 40.7

84 101.1 71.9 107.9



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: 52.001 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

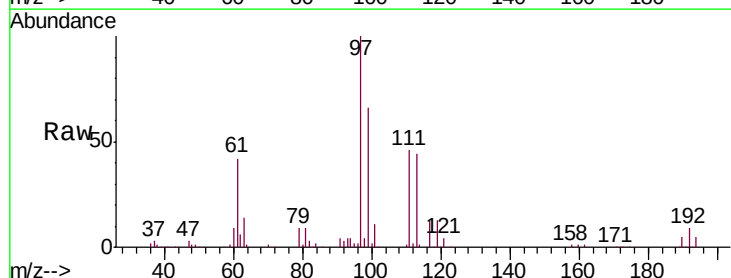
Tgt Ion: 97 Resp: 128346

Ion Ratio Lower Upper

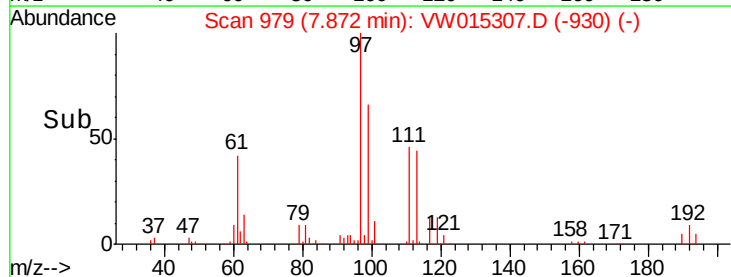
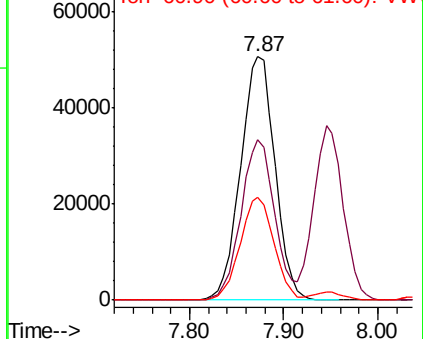
97 100

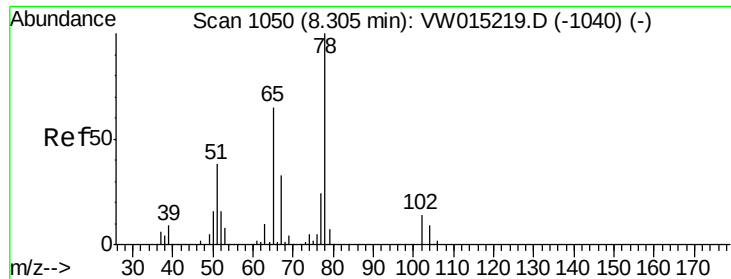
99 65.3 52.2 78.2

61 41.8 34.2 51.2



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

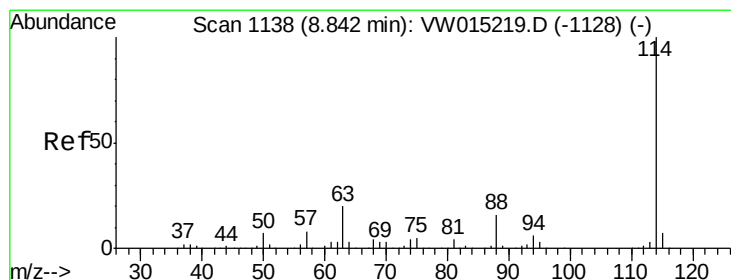
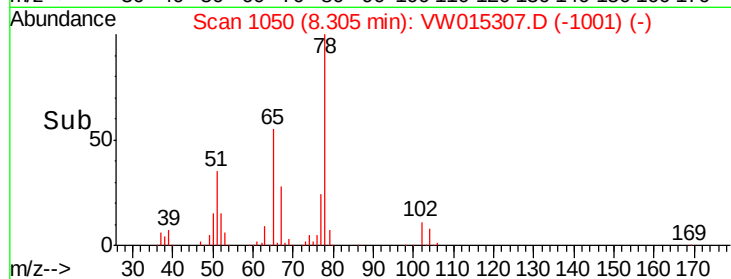
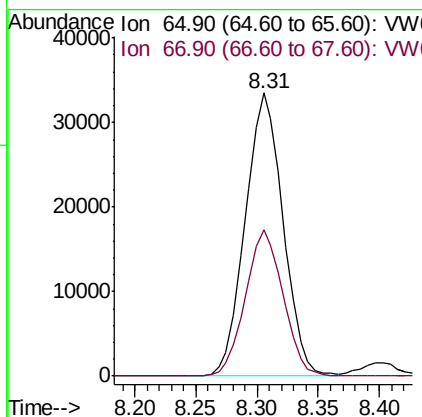
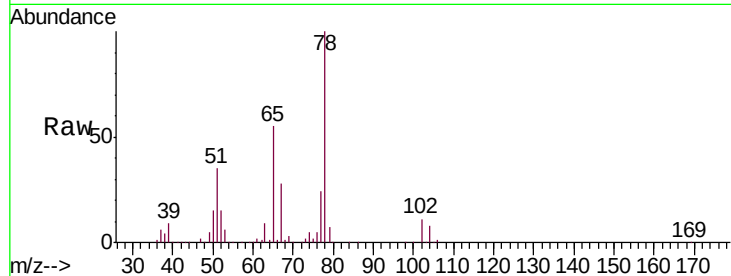




#33
 1,2-Dichloroethane-d4
 Concen: 56.060 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

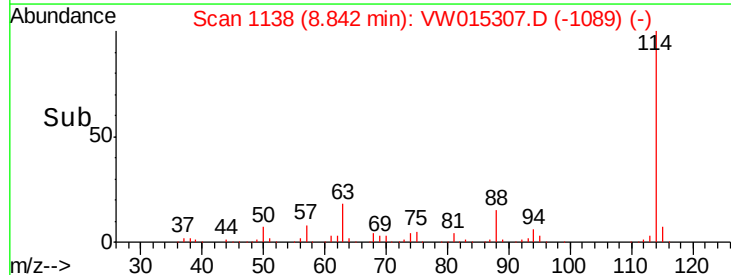
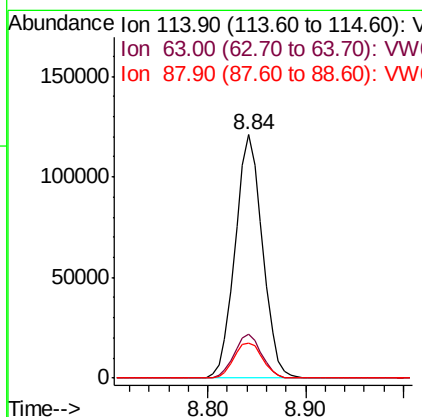
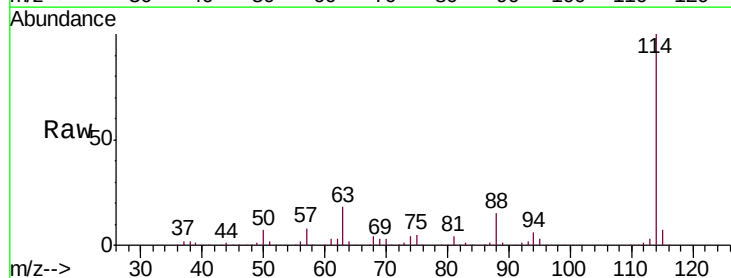
Instrument :
 MSVOA_W
 ClientSampleId :
 WB-4-1MS

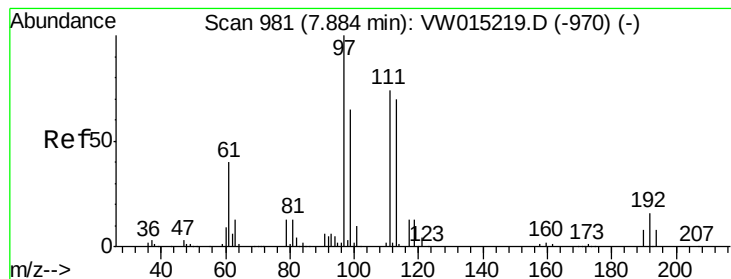
Tgt Ion: 65 Resp: 72203
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Tgt Ion: 114 Resp: 234224
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.8
 88 14.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 57.610 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MS

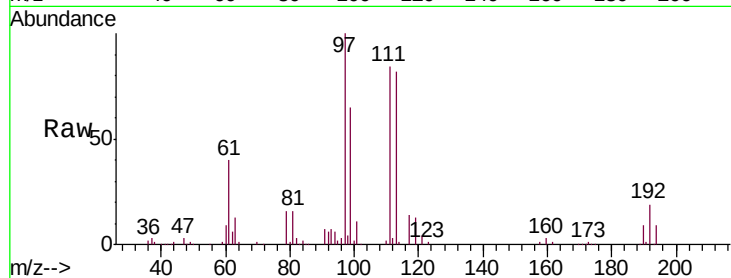
Tgt Ion:113 Resp: 74744

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

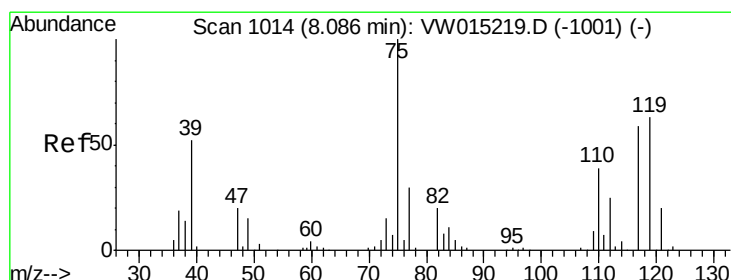
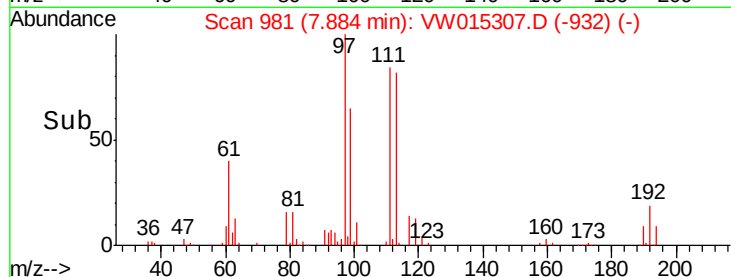
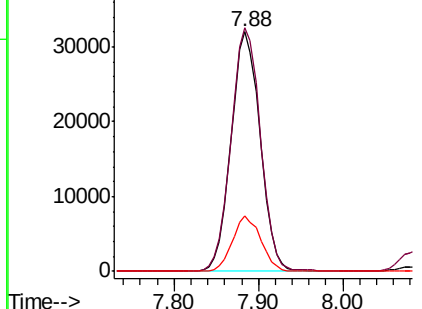
192 22.4 15.1 22.7



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: 39.464 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

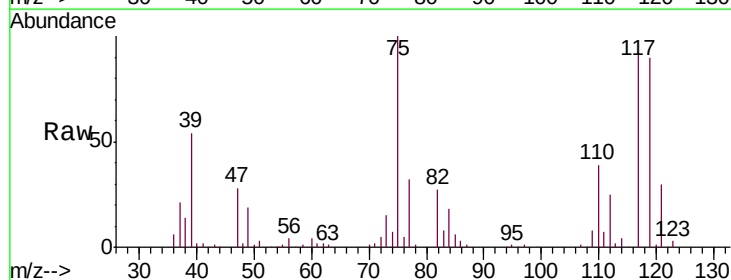
Tgt Ion: 75 Resp: 83428

Ion Ratio Lower Upper

75 100

110 38.8 18.2 54.6

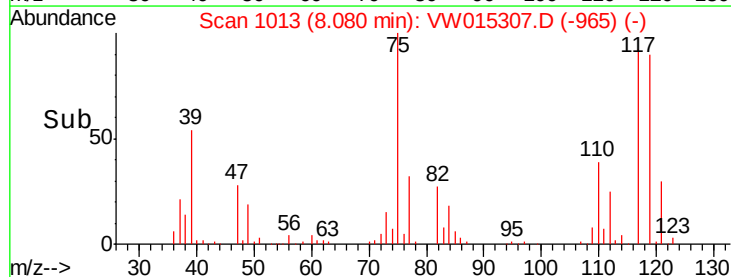
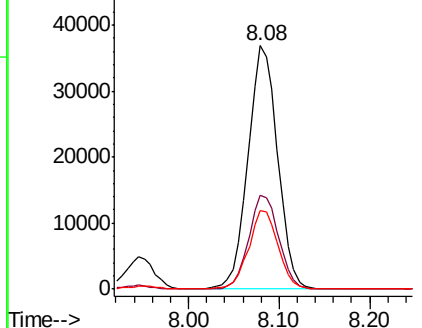
77 32.3 24.5 36.7

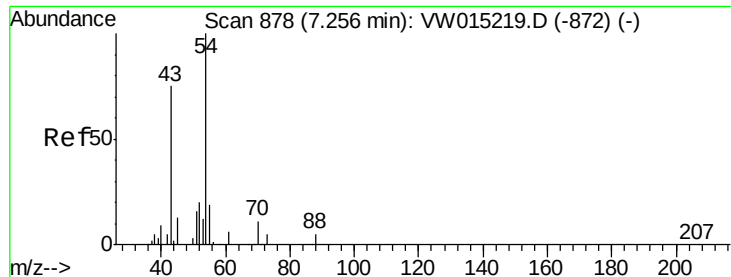


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

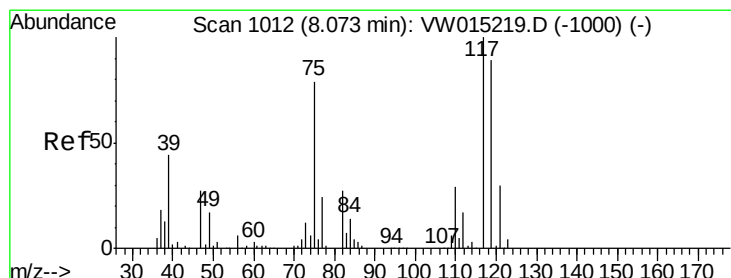
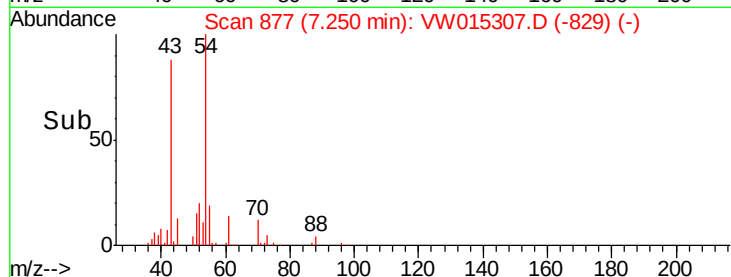
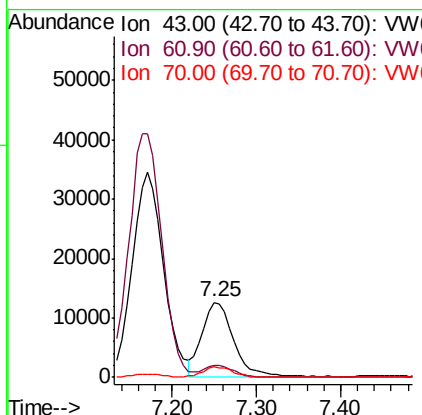
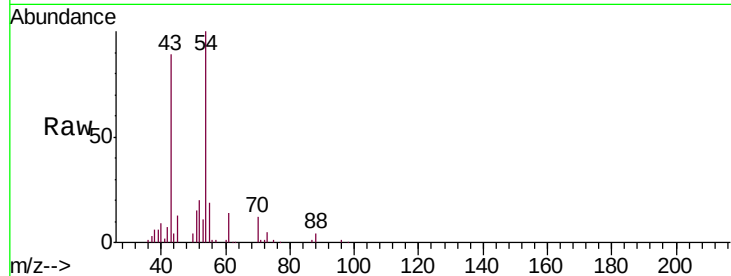




#37
 Ethyl Acetate
 Concen: 47.573 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

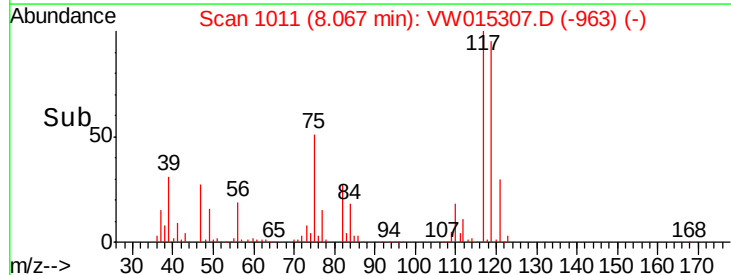
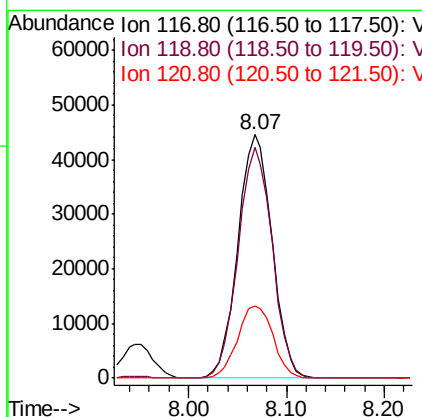
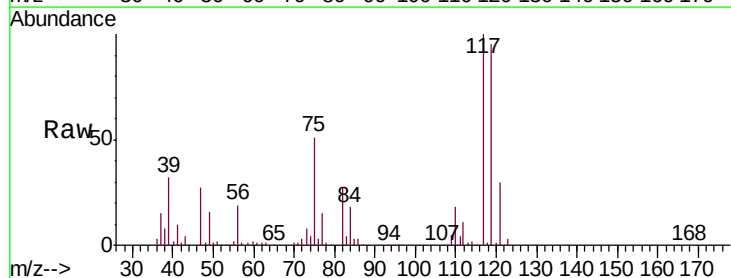
Instrument :
 MSVOA_W
 ClientSampleID :
 WB-4-1MS

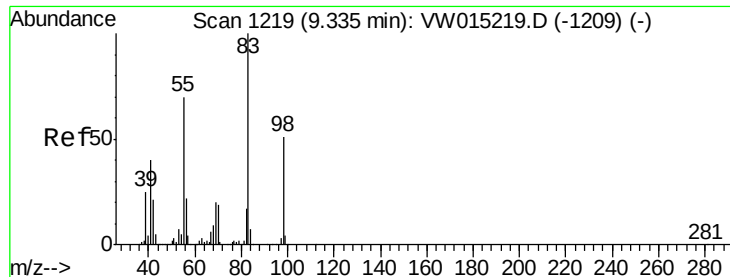
Tgt Ion: 43 Resp: 32639
 Ion Ratio Lower Upper
 43 100
 61 15.5 11.9 17.9
 70 13.6 8.8 13.2#



#38
 Carbon Tetrachloride
 Concen: 46.640 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Tgt Ion: 117 Resp: 107748
 Ion Ratio Lower Upper
 117 100
 119 95.0 72.3 108.5
 121 29.7 23.7 35.5

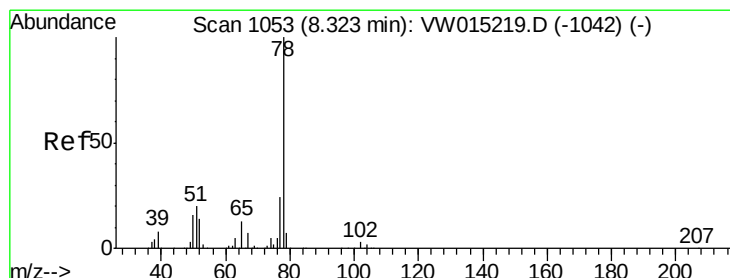
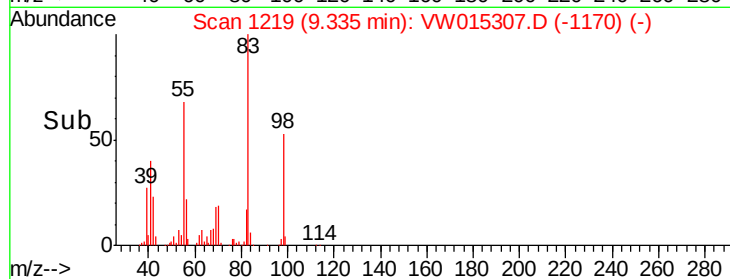
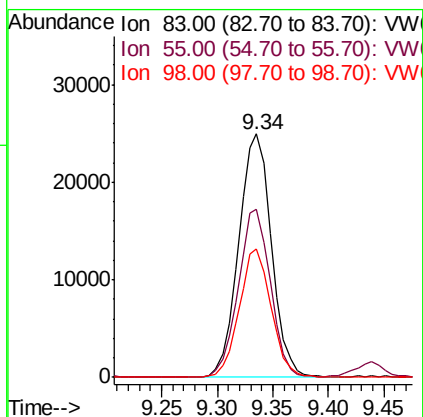
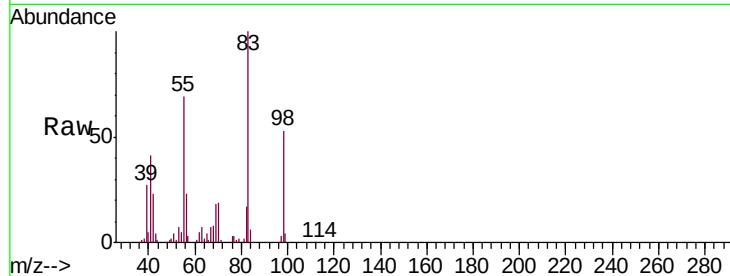




#39
Methylcyclohexane
Concen: 18.107 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015307.D
Acq: 22 Apr 2020 14:50

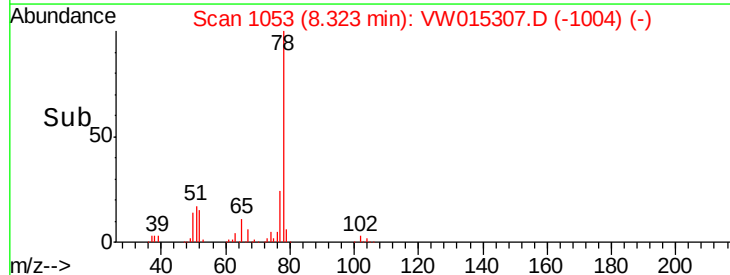
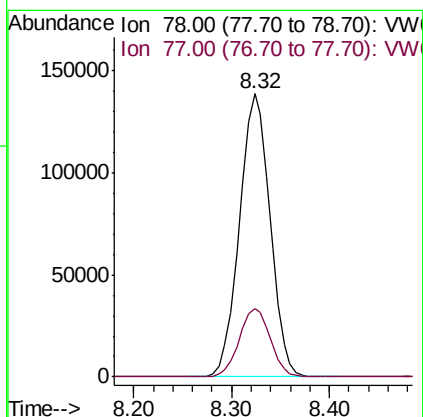
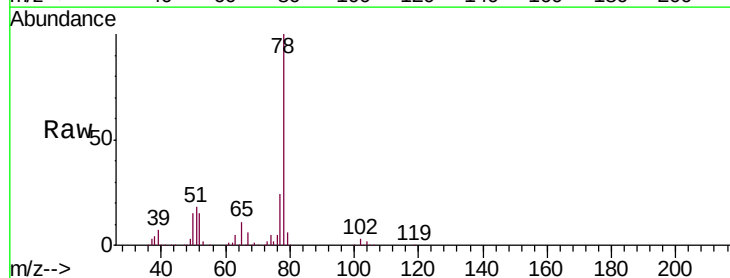
Instrument :
MSVOA_W
ClientSampleId :
WB-4-1MS

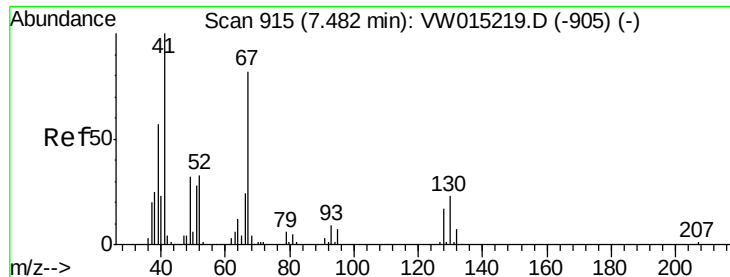
Tgt Ion: 83 Resp: 50949
Ion Ratio Lower Upper
83 100
55 68.8 58.1 87.1
98 52.8 40.2 60.4



#40
Benzene
Concen: 53.452 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015307.D
Acq: 22 Apr 2020 14:50

Tgt Ion: 78 Resp: 301850
Ion Ratio Lower Upper
78 100
77 24.0 18.2 27.2

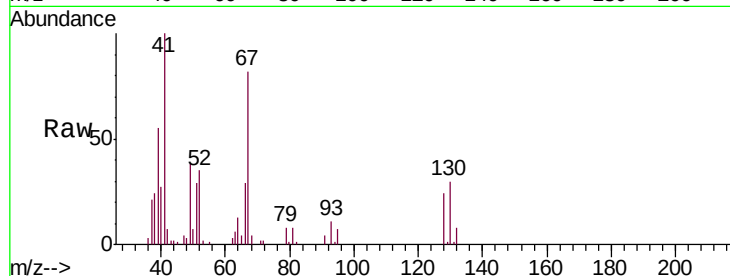




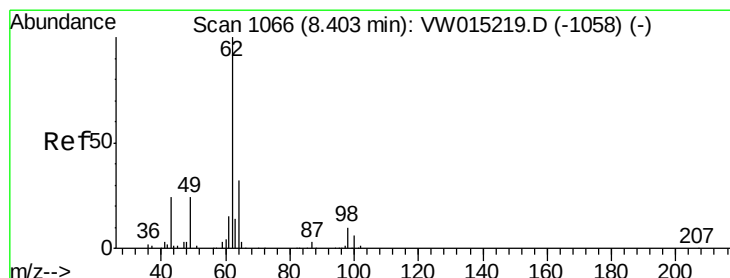
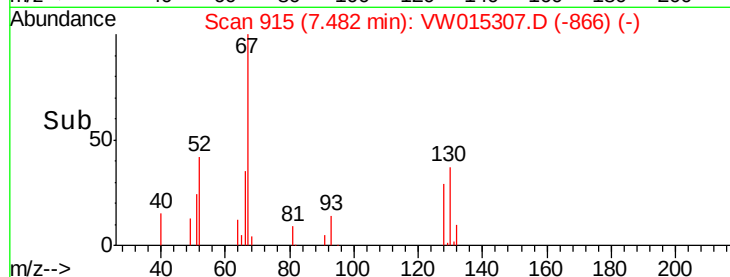
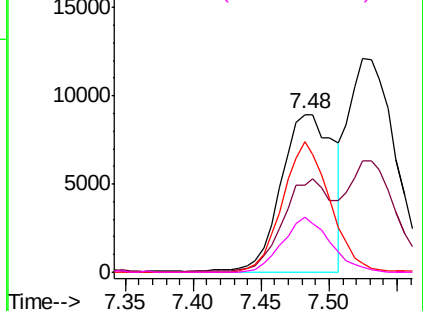
#41
Methacrylonitrile
Concen: 59.032 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015307.D
Acq: 22 Apr 2020 14:50

Instrument :
MSVOA_W
ClientSampled :
WB-4-1MS

Tgt Ion:	41	Resp:	24301
Ion	Ratio	Lower	Upper
41	100		
39	56.9	41.9	62.9
67	74.1	60.6	91.0
52	31.2	23.8	35.8

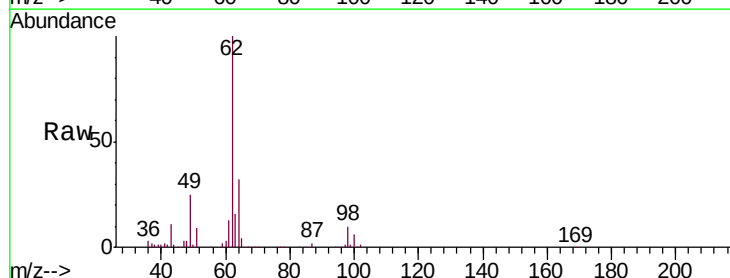


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

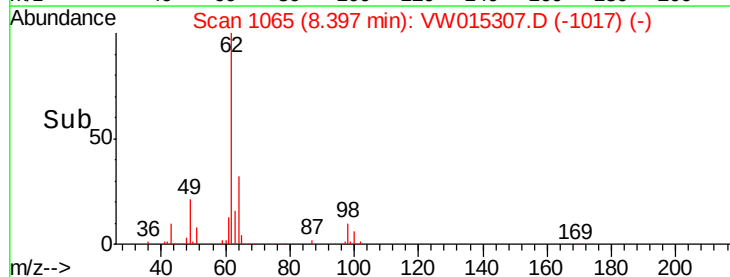
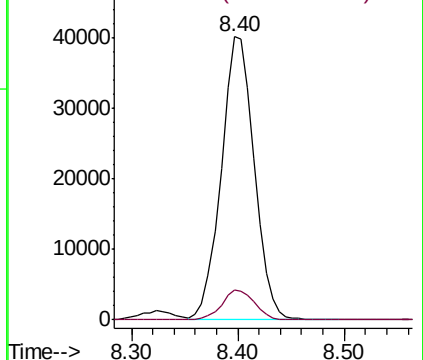


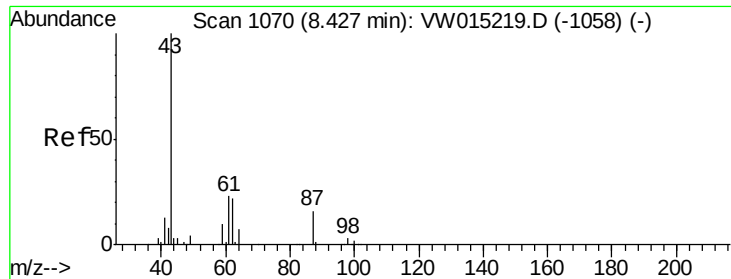
#42
1,2-Dichloroethane
Concen: 52.287 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW015307.D
Acq: 22 Apr 2020 14:50

Tgt Ion:	62	Resp:	86924
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.4



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

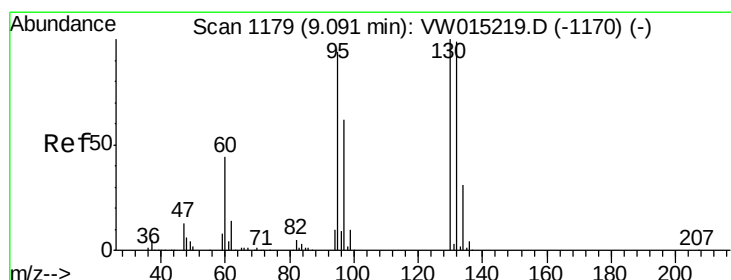
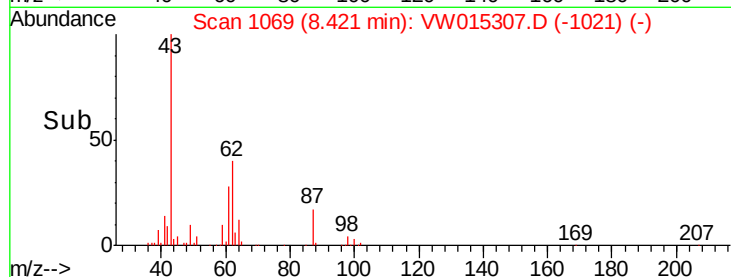
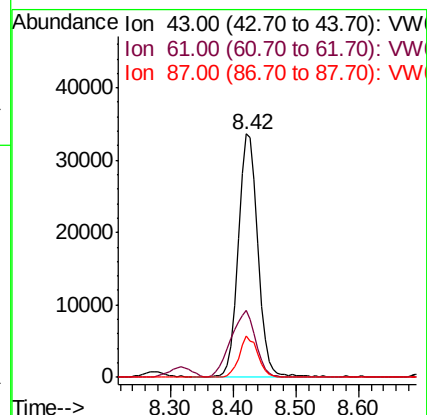
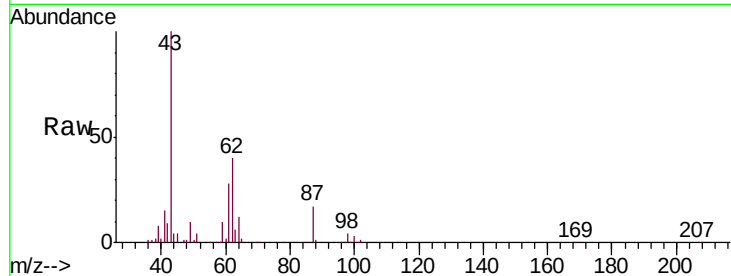




#43
Isopropyl Acetate
Concen: 50.012 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW015307.D
Acq: 22 Apr 2020 14:50

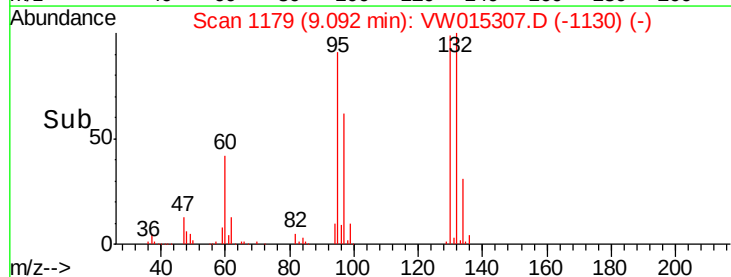
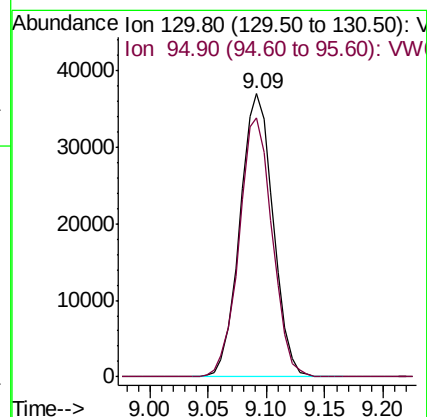
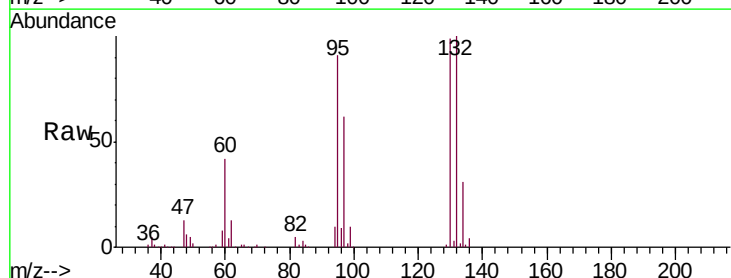
Instrument :
MSVOA_W
ClientSampleId :
WB-4-1MS

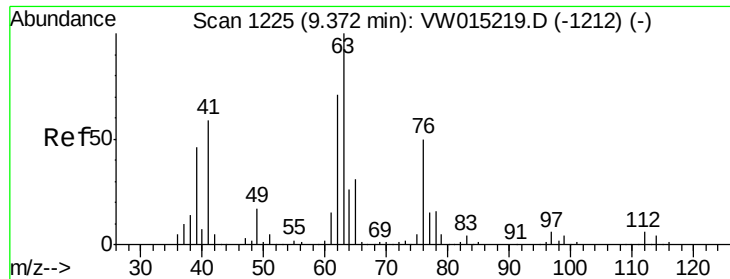
Tgt Ion: 43 Resp: 71966
Ion Ratio Lower Upper
43 100
61 35.1 24.8 37.2
87 16.1 11.4 17.2



#44
Trichloroethene
Concen: 42.500 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW015307.D
Acq: 22 Apr 2020 14:50

Tgt Ion: 130 Resp: 73412
Ion Ratio Lower Upper
130 100
95 91.7 0.0 196.4

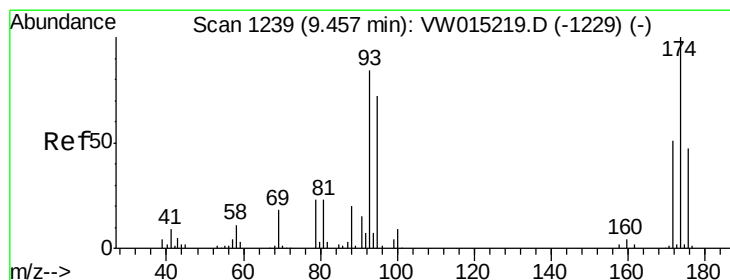
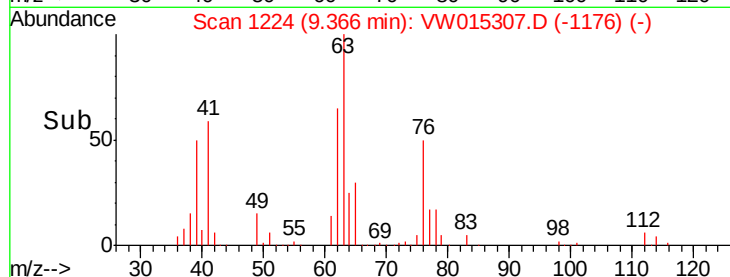
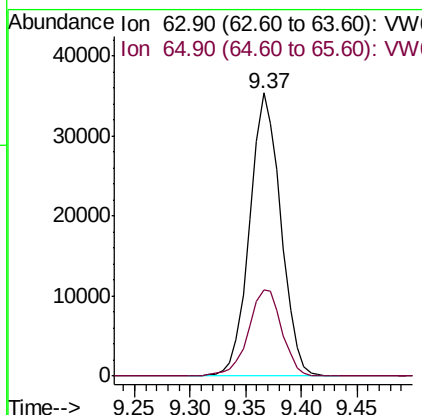
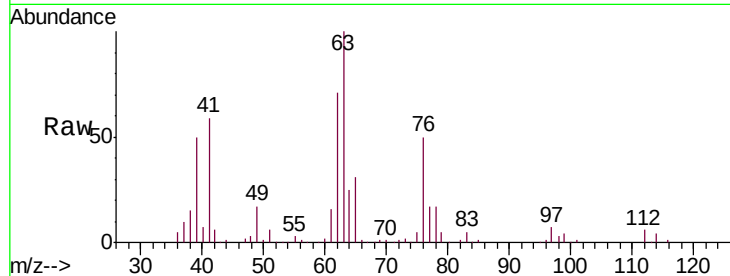




#45
 1,2-Dichloropropane
 Concen: 52.528 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

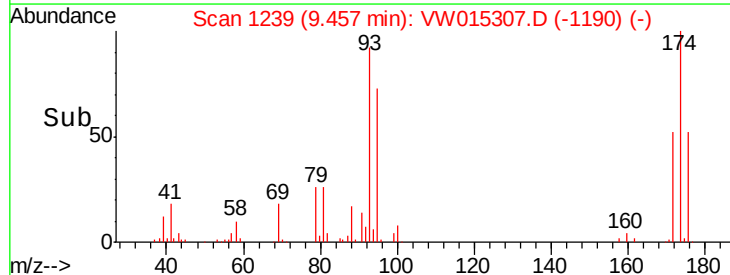
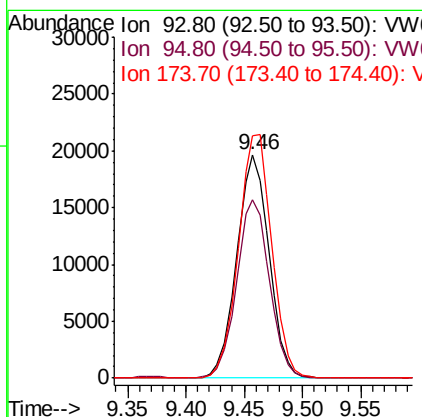
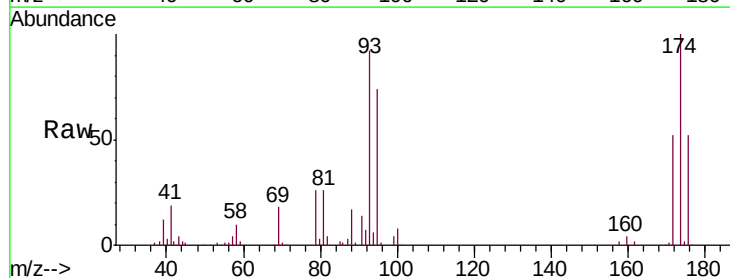
Instrument :
 MSVOA_W
 ClientSampled :
 WB-4-1MS

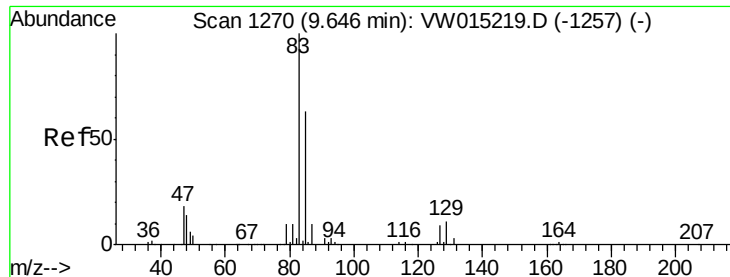
Tgt Ion: 63 Resp: 68981
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.5 38.3



#46
 Dibromomethane
 Concen: 50.064 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Tgt Ion: 93 Resp: 38031
 Ion Ratio Lower Upper
 93 100
 95 81.0 67.5 101.3
 174 112.5 74.1 111.1#

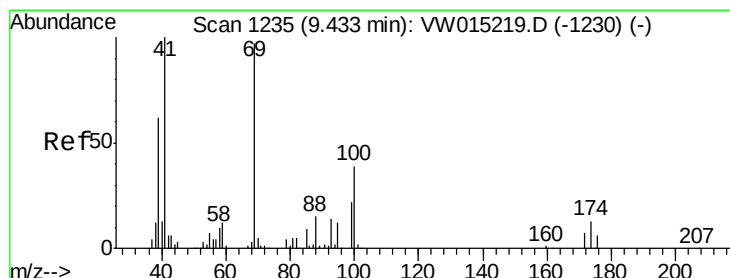
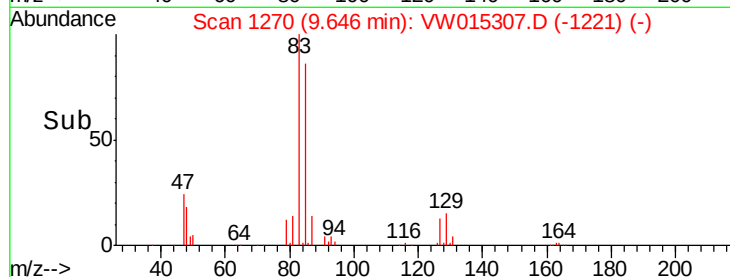
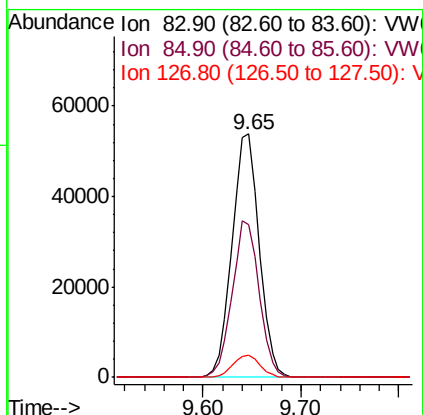
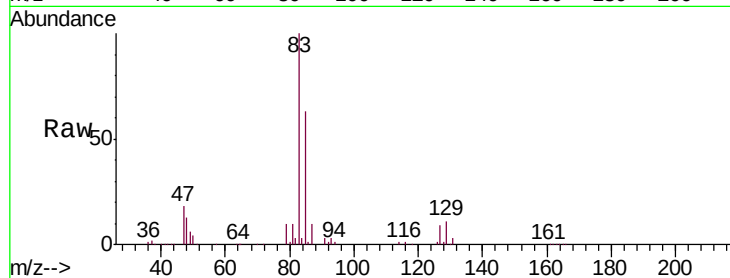




#47
 Bromodichloromethane
 Concen: 51.086 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

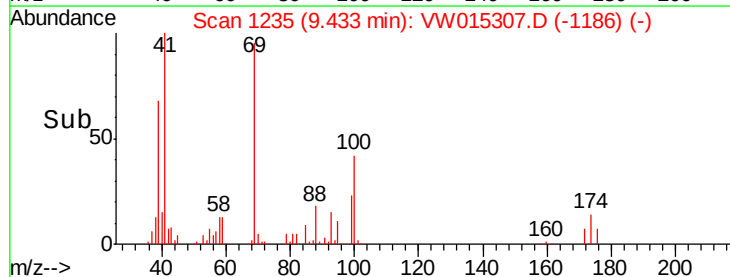
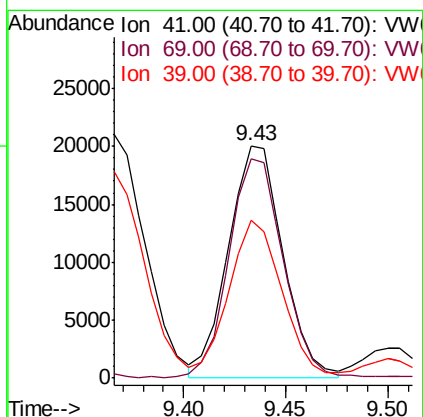
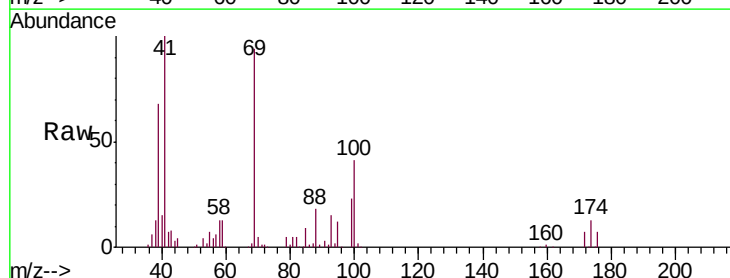
Instrument :
 MSVOA_W
 ClientSampleId :
 WB-4-1MS

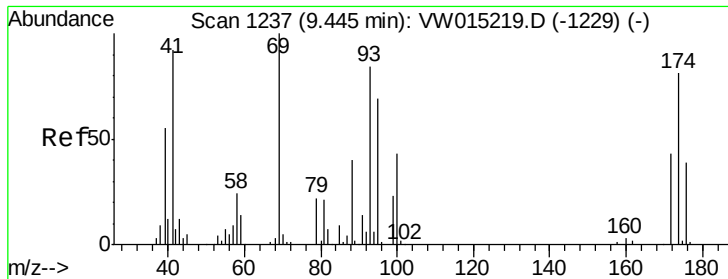
Tgt Ion: 83 Resp: 103743
 Ion Ratio Lower Upper
 83 100
 85 62.5 50.6 76.0
 127 9.4 6.7 10.1



#48
 Methyl methacrylate
 Concen: 54.256 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Tgt Ion: 41 Resp: 36907
 Ion Ratio Lower Upper
 41 100
 69 94.3 70.6 105.8
 39 67.5 42.6 64.0#





#49

1,4-Dioxane

Concen: 1172.007 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MS

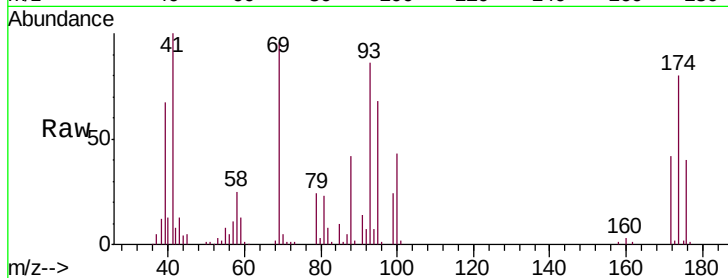
Tgt Ion: 88 Resp: 11869

Ion Ratio Lower Upper

88 100

43 28.9 23.5 35.3

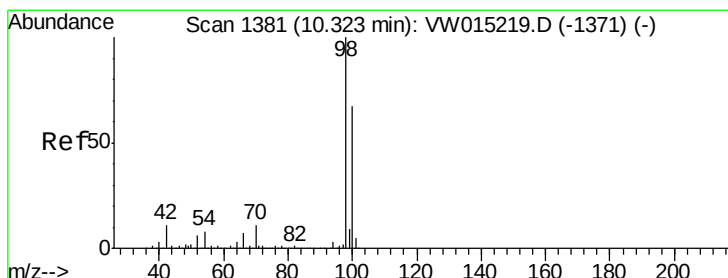
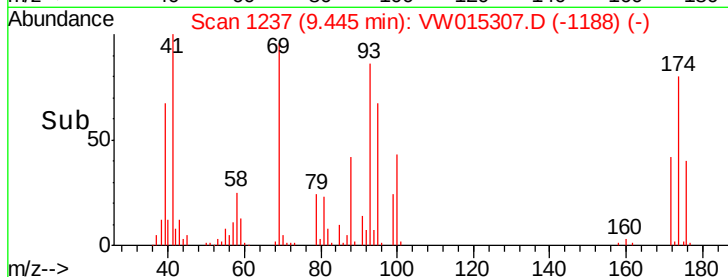
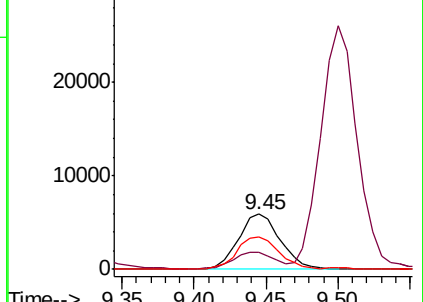
58 59.4 55.4 83.2



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: 48.384 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015307.D

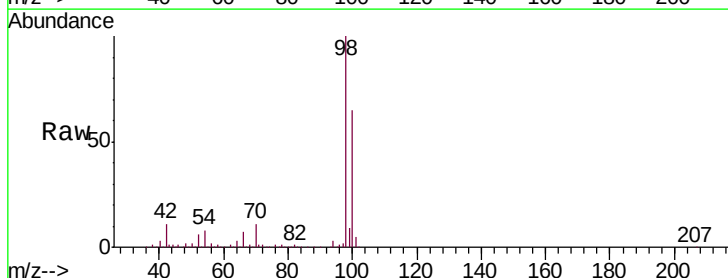
Acq: 22 Apr 2020 14:50

Tgt Ion: 98 Resp: 264073

Ion Ratio Lower Upper

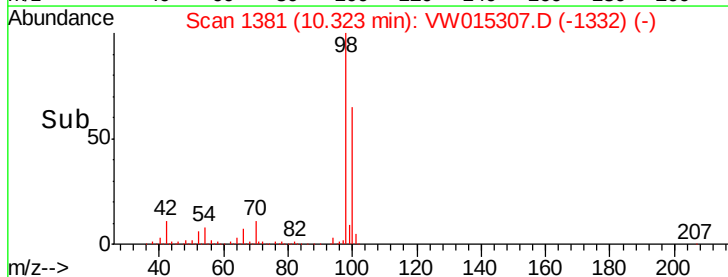
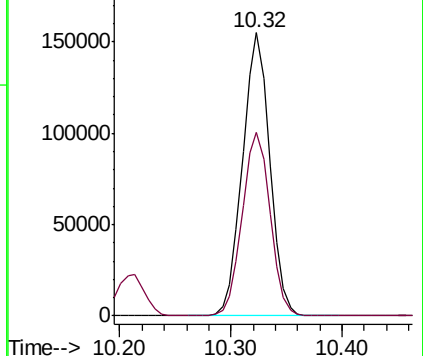
98 100

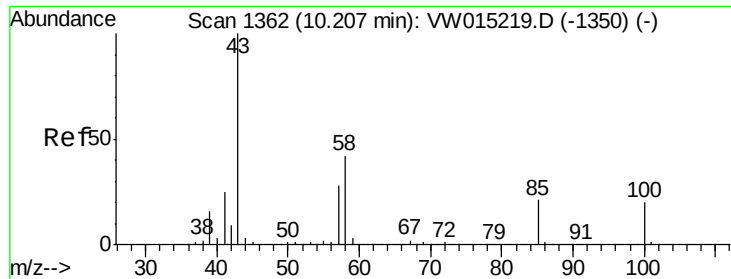
100 66.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

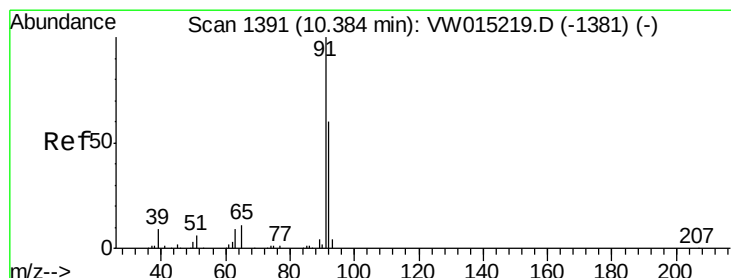
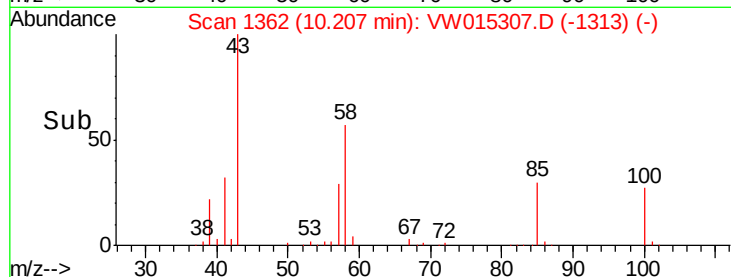
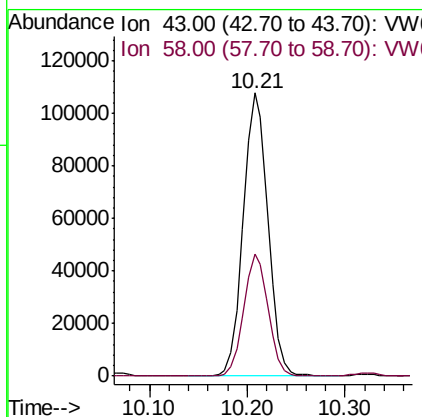
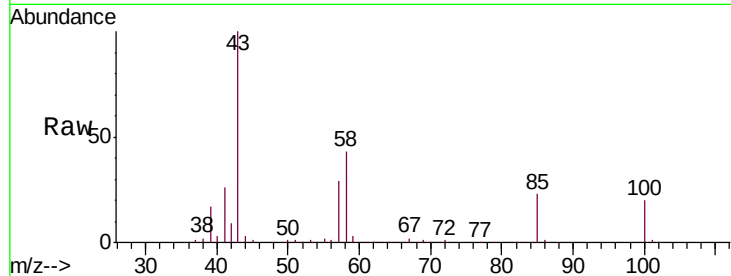




#51
 4-Methyl-2-Pentanone
 Concen: 277.572 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

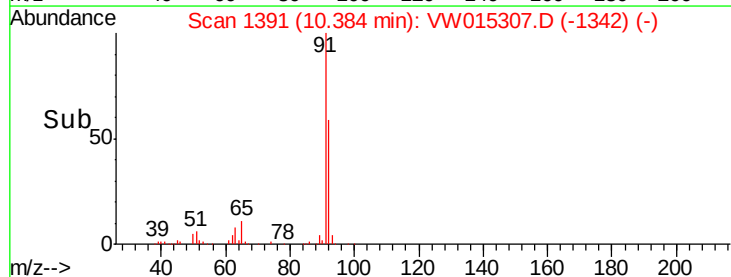
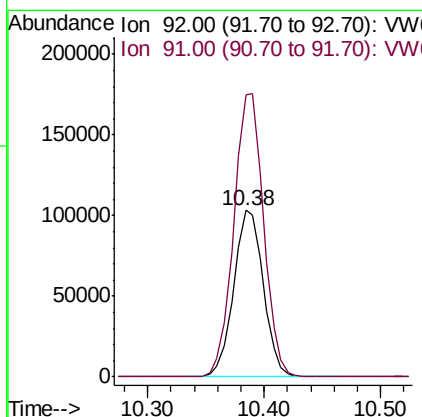
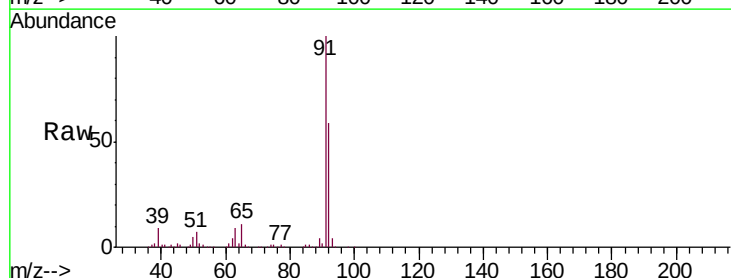
Instrument :
 MSVOA_W
 ClientSampleId :
 WB-4-1MS

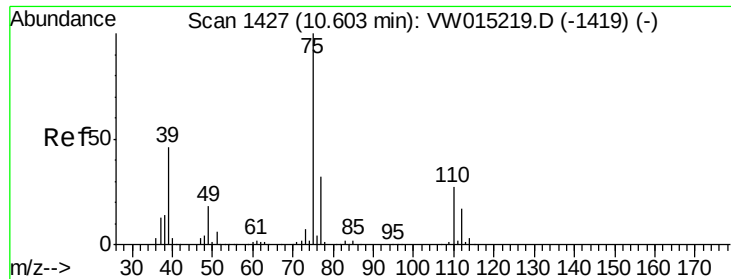
Tgt Ion: 43 Resp: 187496
 Ion Ratio Lower Upper
 43 100
 58 42.8 32.3 48.5



#52
 Toluene
 Concen: 46.366 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Tgt Ion: 92 Resp: 183245
 Ion Ratio Lower Upper
 92 100
 91 171.3 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 40.759 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampled :

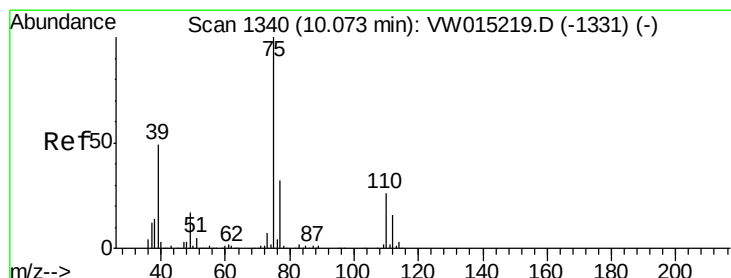
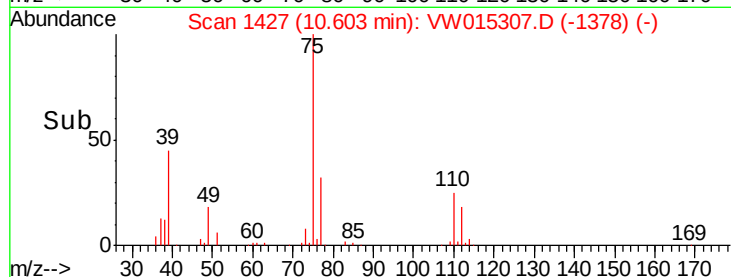
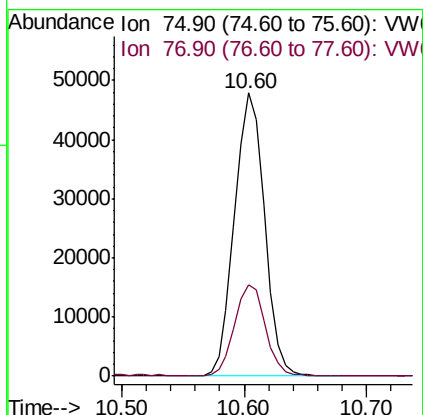
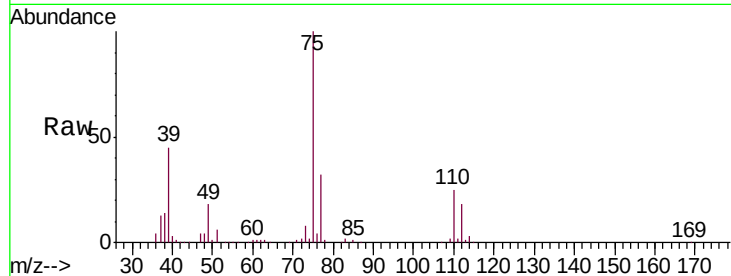
WB-4-1MS

Tgt Ion: 75 Resp: 81615

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 44.911 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015307.D

Acq: 22 Apr 2020 14:50

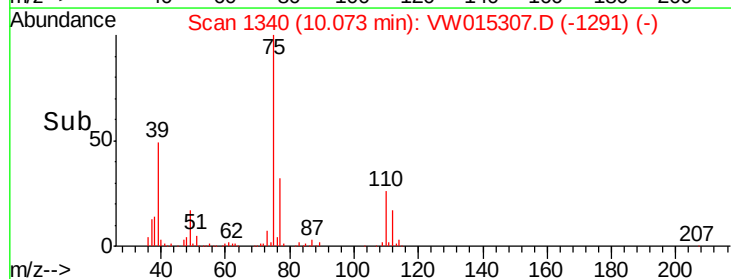
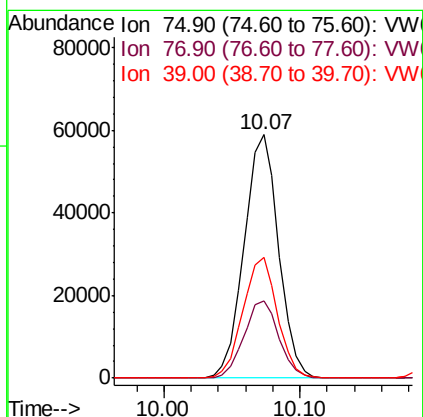
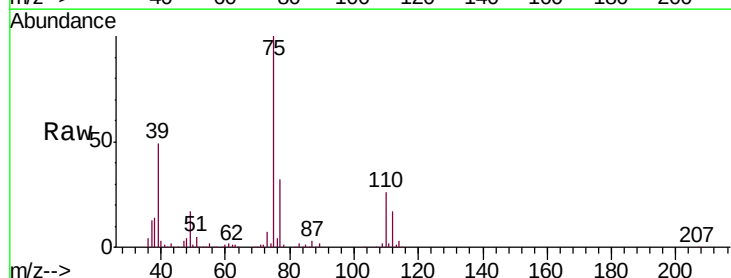
Tgt Ion: 75 Resp: 104527

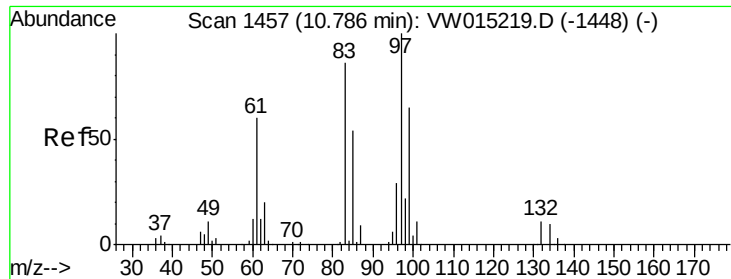
Ion Ratio Lower Upper

75 100

77 31.6 26.6 39.8

39 49.4 37.8 56.6

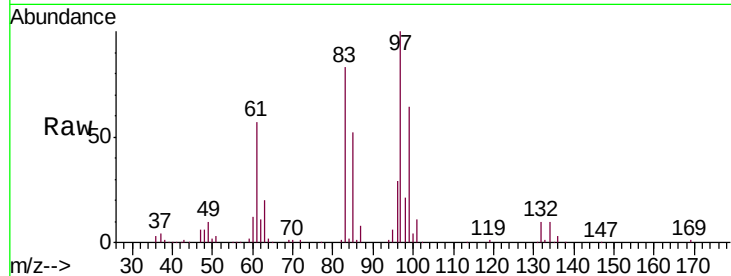




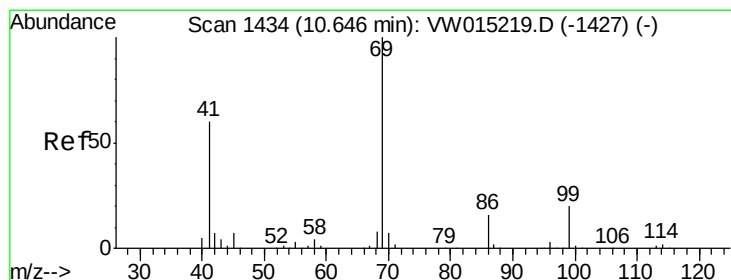
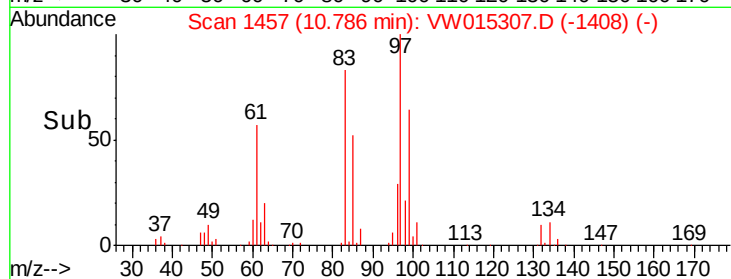
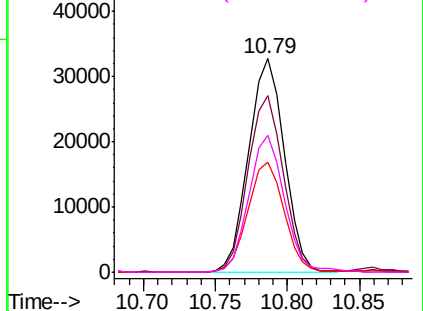
#55
 1,1,2-Trichloroethane
 Concen: 52.853 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Instrument :
 MSVOA_W
 ClientSampleID :
 WB-4-1MS

Tgt Ion:	97	Resp:	56220
Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.3	100.9
85	51.8	43.8	65.8
99	64.2	51.4	77.0

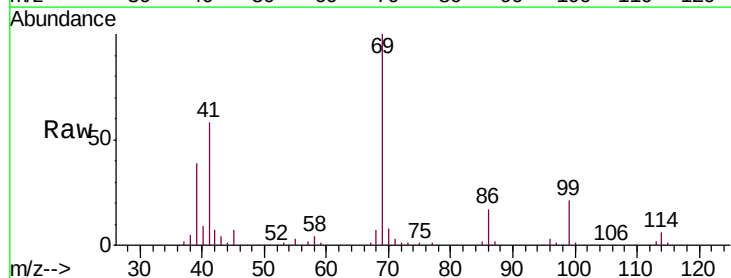


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

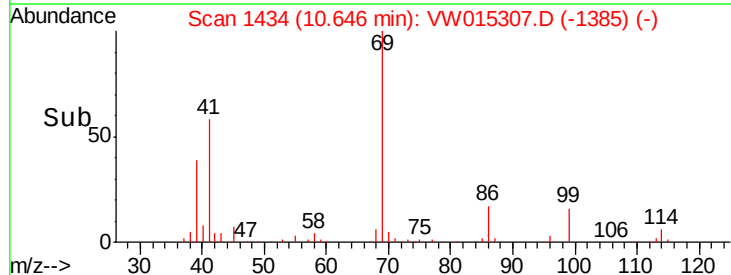
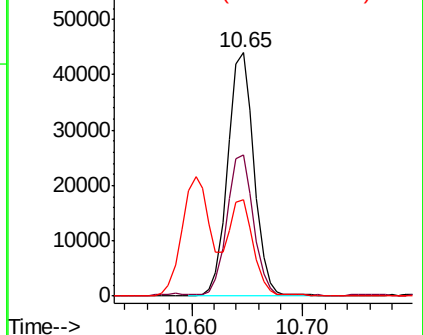


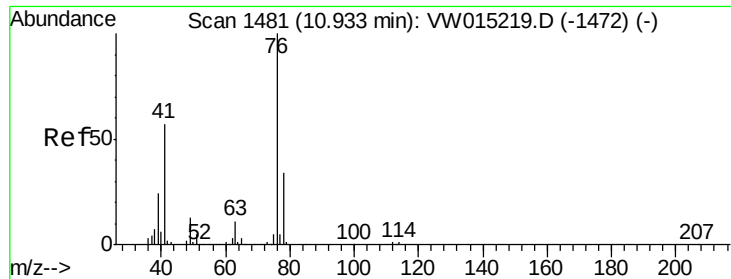
#56
 Ethyl methacrylate
 Concen: 51.960 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Tgt Ion:	69	Resp:	71202
Ion	Ratio	Lower	Upper
69	100		
41	58.7	51.3	76.9
39	35.3	24.6	37.0



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

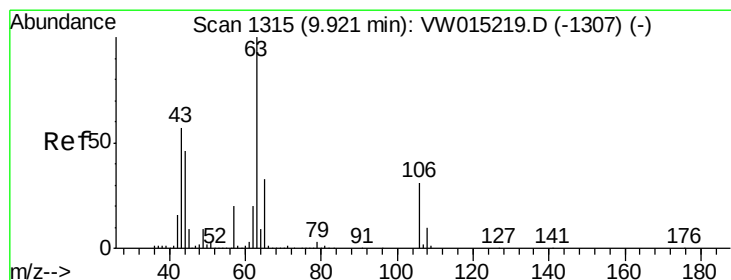
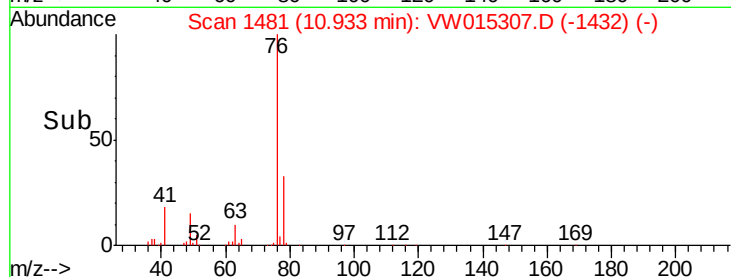
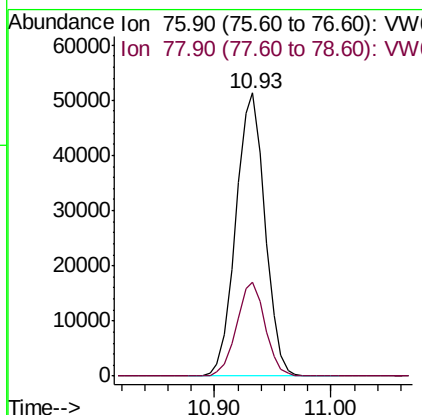
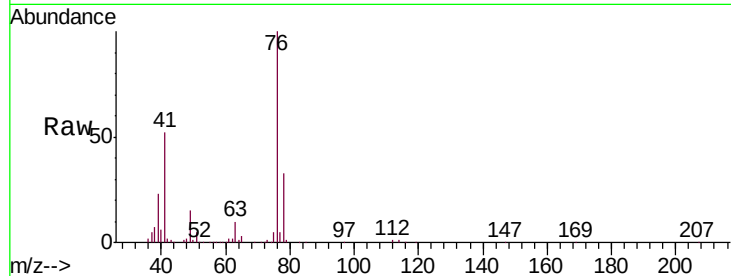




#57
 1,3-Dichloropropane
 Concen: 50.833 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

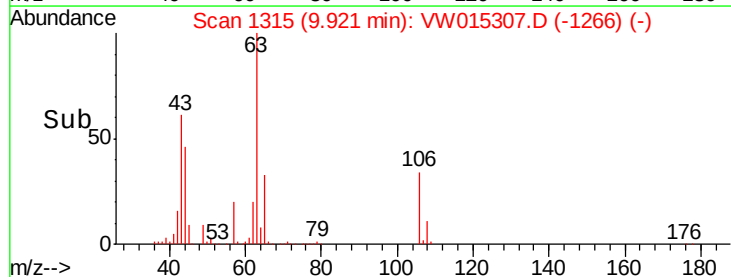
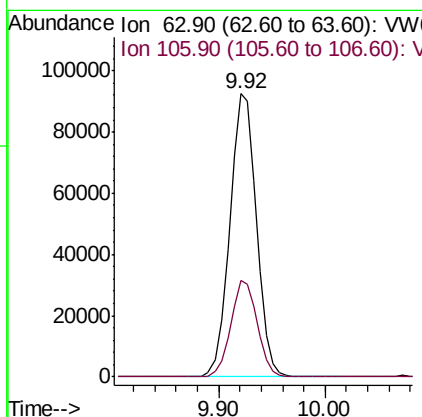
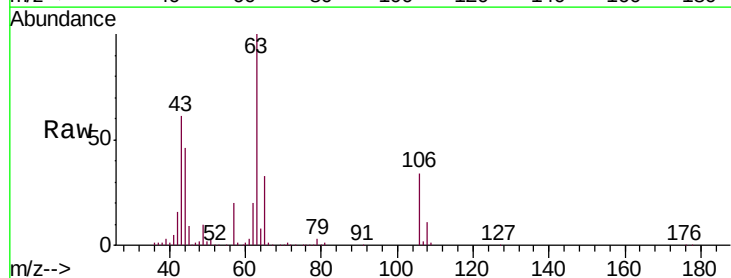
Instrument :
 MSVOA_W
 ClientSampleId :
 WB-4-1MS

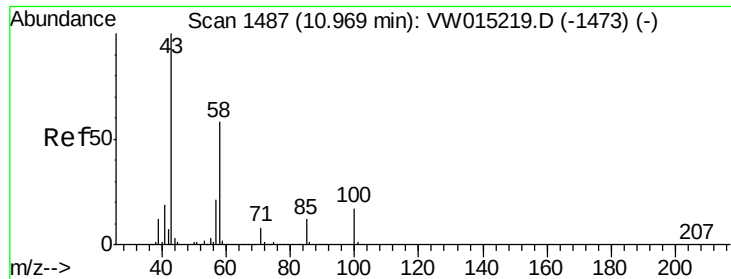
Tgt Ion: 76 Resp: 89570
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.561 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Tgt Ion: 63 Resp: 161725
 Ion Ratio Lower Upper
 63 100
 106 33.8 22.6 33.8

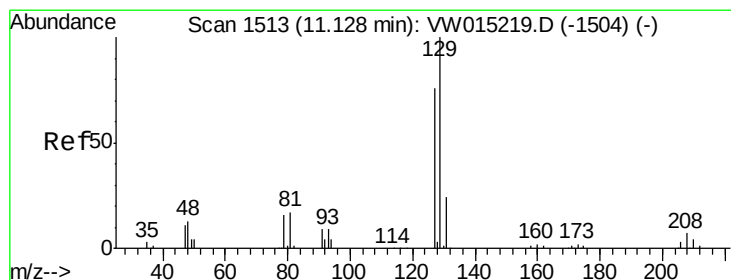
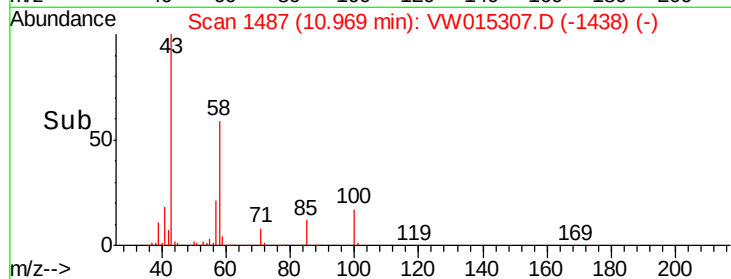
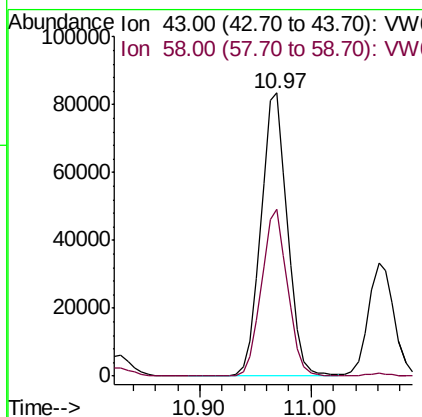
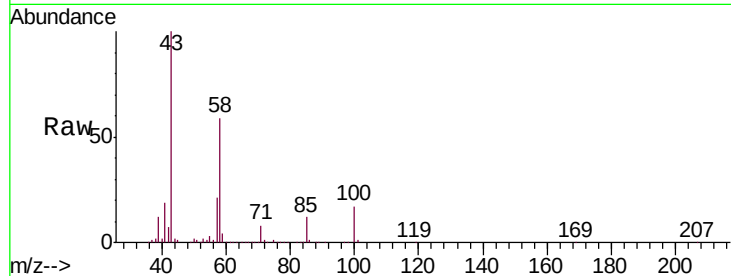




#59
2-Hexanone
Concen: 286.167 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015307.D
Acq: 22 Apr 2020 14:50

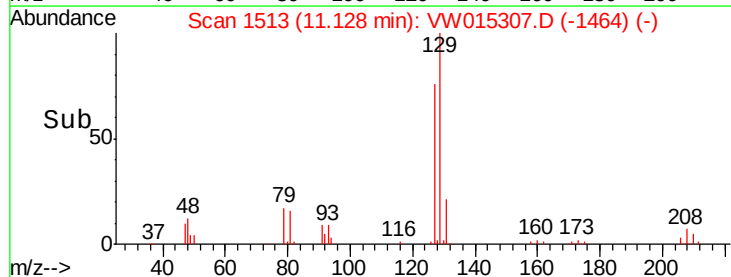
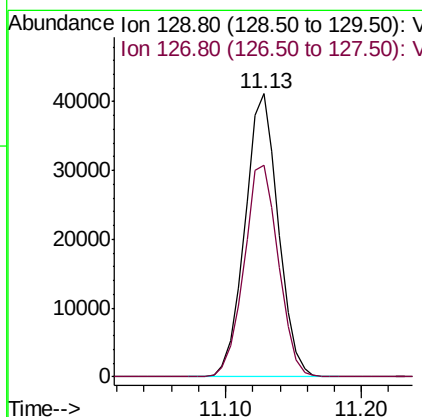
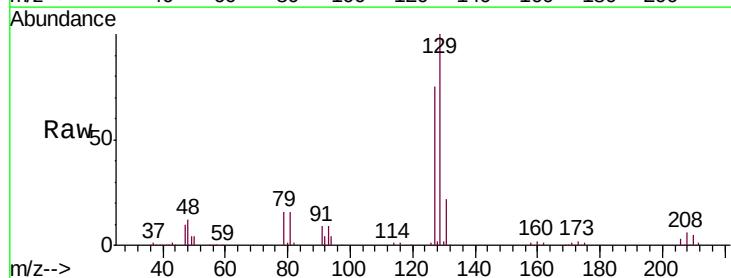
Instrument :
MSVOA_W
ClientSampleId :
WB-4-1MS

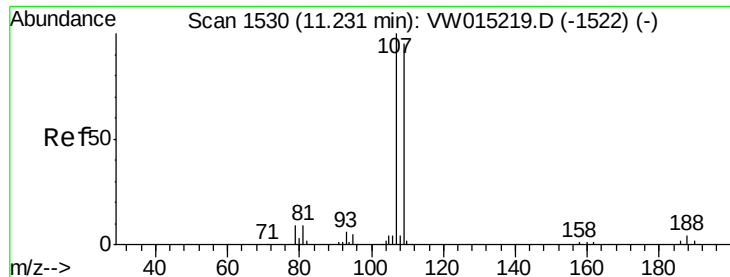
Tgt Ion: 43 Resp: 137986
Ion Ratio Lower Upper
43 100
58 58.4 28.1 84.3



#60
Dibromochloromethane
Concen: 50.183 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015307.D
Acq: 22 Apr 2020 14:50

Tgt Ion: 129 Resp: 70480
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8

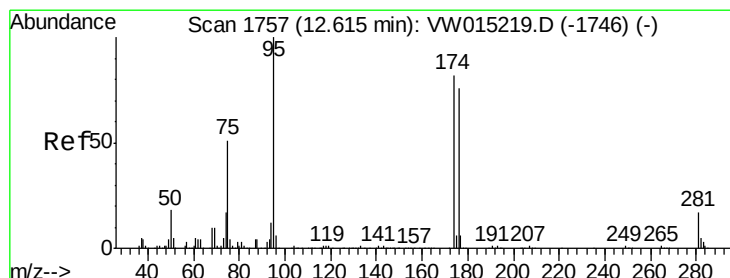
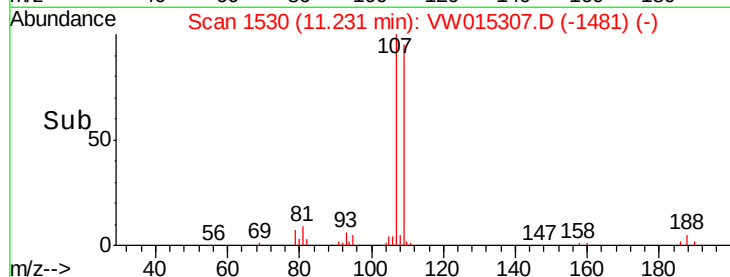
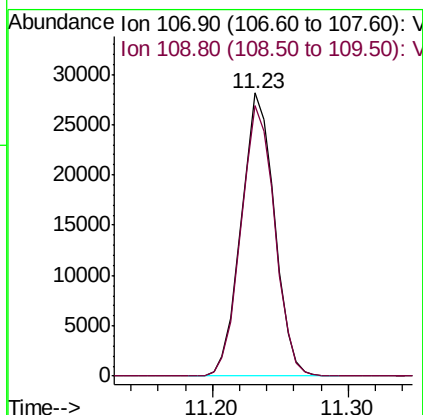
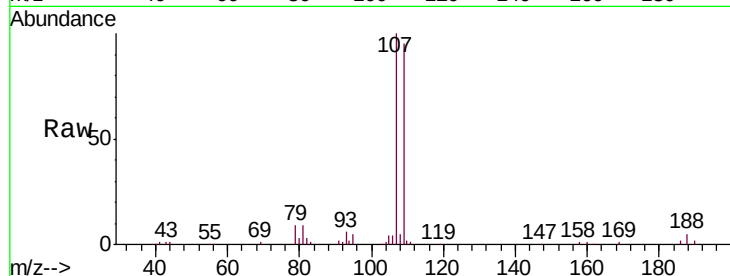




#61
 1,2-Dibromoethane
 Concen: 46.463 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

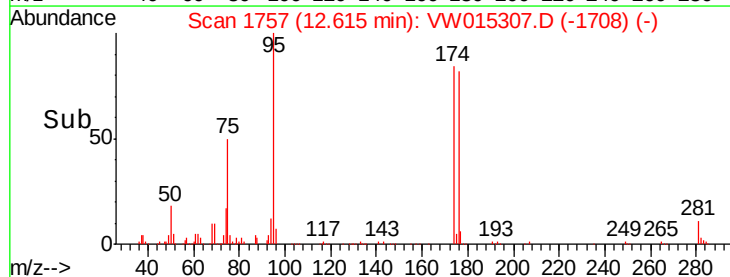
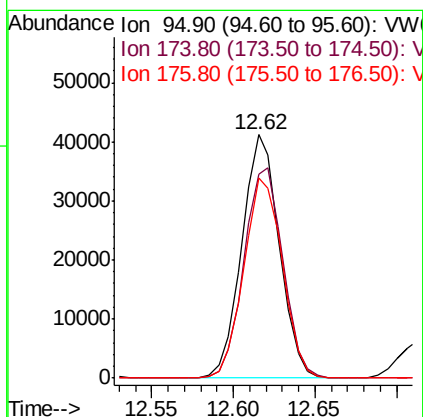
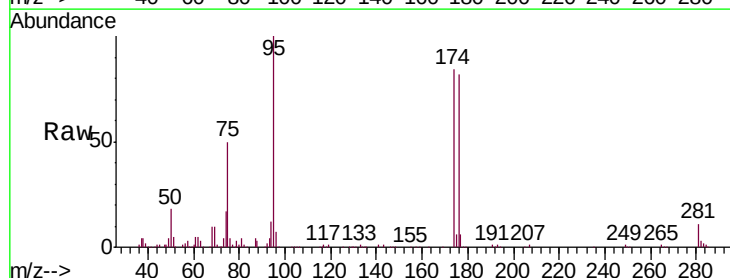
Instrument :
 MSVOA_W
 ClientSampleId :
 WB-4-1MS

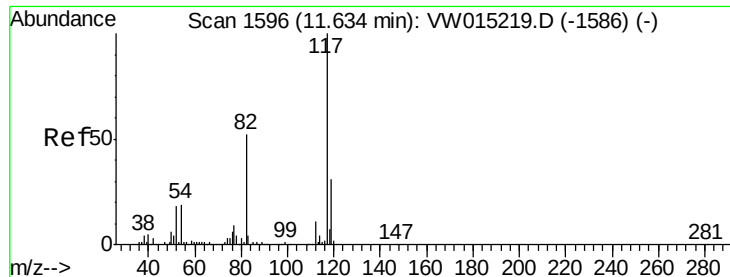
Tgt Ion: 107 Resp: 48226
 Ion Ratio Lower Upper
 107 100
 109 96.5 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 31.554 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015307.D
 Acq: 22 Apr 2020 14:50

Tgt Ion: 95 Resp: 65709
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 144.4
 176 85.1 0.0 140.6

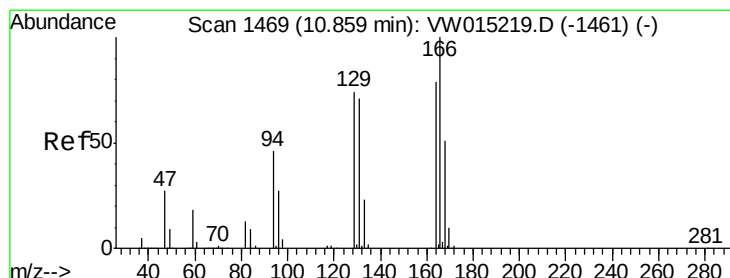
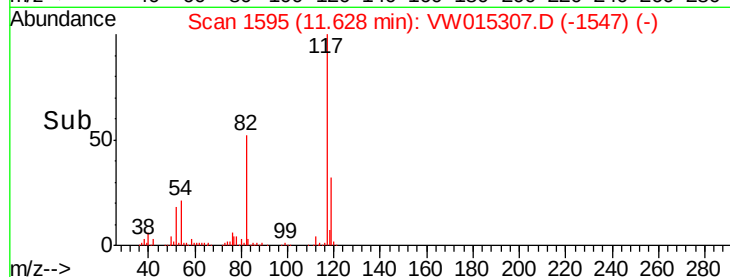
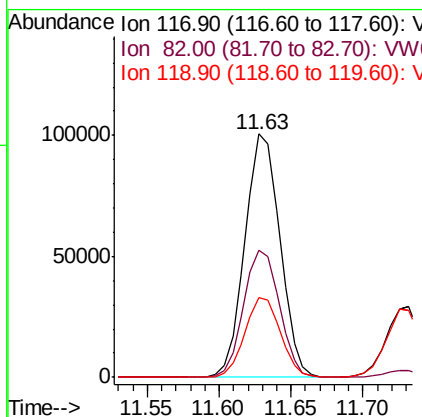
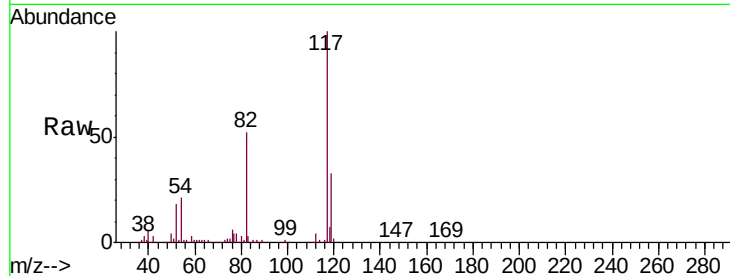




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015307.D
Acq: 22 Apr 2020 14:50

Instrument :
MSVOA_W
ClientSampleId :
WB-4-1MS

Tgt Ion:117 Resp: 170245
Ion Ratio Lower Upper
117 100
82 52.5 44.1 66.1
119 32.4 24.9 37.3



#64
Tetrachloroethene
Concen: 47.123 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015307.D
Acq: 22 Apr 2020 14:50

Tgt Ion:164 Resp: 57257
Ion Ratio Lower Upper
164 100
166 125.4 102.6 154.0
129 88.3 80.2 120.2
131 84.4 77.4 116.2

