

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110518\
 Data File : VW006653.D
 Acq On : 05 Nov 2018 23:52
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Nov 06 03:22:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	326858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180573	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	98470	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.88	113	106064	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
50) Toluene-d8	10.32	98	400906	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.62	95	147107	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	57374	48.044	ug/l	95
3) Chloromethane	2.21	50	74328	50.304	ug/l	99
4) Vinyl Chloride	2.37	62	109325	52.990	ug/l	97
5) Bromomethane	2.79	94	92739	53.562	ug/l	98
6) Chloroethane	2.93	64	76426	53.017	ug/l	100
7) Trichlorofluoromethane	3.26	101	96436	52.932	ug/l	92
8) Diethyl Ether	3.68	74	51255	51.466	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104539	53.734	ug/l	100
10) Methyl Iodide	4.27	142	175177	49.660	ug/l	99
11) Tert butyl alcohol	5.23	59	27819	260.742	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	98131	52.224	ug/l	97
13) Acrolein	3.90	56	32335	240.967	ug/l	99
14) Allyl chloride	4.67	41	128205	52.270	ug/l	99
15) Acrylonitrile	5.38	53	96597	270.509	ug/l	99
16) Acetone	4.14	43	82059	256.674	ug/l	98
17) Carbon Disulfide	4.37	76	283887	53.091	ug/l	100
18) Methyl Acetate	4.68	43	49285	53.611	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	144304	51.593	ug/l	99
20) Methylene Chloride	4.91	84	108607	52.748	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	114759	53.973	ug/l	96
22) Diisopropyl ether	6.31	45	274869	53.755	ug/l	97
23) Vinyl Acetate	6.26	43	777719	274.269	ug/l	100
24) 1,1-Dichloroethane	6.21	63	184796	53.324	ug/l	99
25) 2-Butanone	7.18	43	121360	266.023	ug/l	100
26) 2,2-Dichloropropane	7.17	77	110326	52.849	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	126084	53.004	ug/l	99
28) Bromochloromethane	7.51	49	72716	52.842	ug/l	100
29) Tetrahydrofuran	7.54	42	77162	268.913	ug/l	99
30) Chloroform	7.68	83	204533	53.831	ug/l	100
31) Cyclohexane	7.96	56	155332	49.247	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	173105	53.842	ug/l	100
36) 1,1-Dichloropropene	8.08	75	155590	54.129	ug/l	99
37) Ethyl Acetate	7.26	43	54730	54.944	ug/l	98
38) Carbon Tetrachloride	8.07	117	166025	55.277	ug/l	99

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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	195922	53.711	ug/l	97
40) Benzene	8.32	78	451336	55.281	ug/l	99
41) Methacrylonitrile	7.49	41	31534	51.627	ug/l	94
42) 1,2-Dichloroethane	8.40	62	126394	53.982	ug/l	100
43) Isopropyl Acetate	8.43	43	108880	54.777	ug/l	99
44) Trichloroethene	9.09	130	136388	54.135	ug/l	96
45) 1,2-Dichloropropane	9.37	63	104774	55.144	ug/l	99
46) Dibromomethane	9.46	93	62120	55.619	ug/l	99
47) Bromodichloromethane	9.65	83	148343	57.202	ug/l	97
48) Methyl methacrylate	9.44	41	52865	55.202	ug/l	98
49) 1,4-Dioxane	9.49	88	18127	1108.988	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	285825	279.986	ug/l	100
52) Toluene	10.39	92	298294	54.473	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	142374	57.044	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	166149	56.334	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	87868	55.447	ug/l	96
56) Ethyl methacrylate	10.65	69	100540	55.819	ug/l	97
57) 1,3-Dichloropropane	10.93	76	142302	55.300	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	229657	262.295	ug/l	100
59) 2-Hexanone	10.97	43	195355	281.753	ug/l	99
60) Dibromochloromethane	11.13	129	109118	58.116	ug/l	100
61) 1,2-Dibromoethane	11.24	107	86574	55.013	ug/l	99
64) Tetrachloroethene	10.87	164	129238	52.689	ug/l	99
65) Chlorobenzene	11.66	112	349606	53.993	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	127969	56.229	ug/l	100
67) Ethyl Benzene	11.74	91	590433	54.555	ug/l	99
68) m/p-Xylenes	11.84	106	479608	110.920	ug/l	99
69) o-Xylene	12.17	106	229133	55.663	ug/l	99
70) Styrene	12.18	104	378870	56.453	ug/l	100
71) Bromoform	12.35	173	70756	58.651	ug/l #	98
73) Isopropylbenzene	12.47	105	624094	52.466	ug/l	100
74) N-amyl acetate	12.28	43	109522	53.282	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	101577	54.066	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	127325	90.373	ug/l #	100
77) Bromobenzene	12.75	156	162578	52.788	ug/l	100
78) n-propylbenzene	12.81	91	735300	53.742	ug/l	100
79) 2-Chlorotoluene	12.90	91	417156	53.126	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	541093	54.145	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	28524	52.302	ug/l	97
82) 4-Chlorotoluene	12.99	91	444315	53.485	ug/l	100
83) tert-Butylbenzene	13.21	119	475639	53.371	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	553647	54.012	ug/l	99
85) sec-Butylbenzene	13.39	105	674247	54.019	ug/l	99
86) p-Isopropyltoluene	13.51	119	618196	54.431	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	328749	54.201	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	323842	53.864	ug/l	100
89) n-Butylbenzene	13.83	91	554962	55.046	ug/l	100
90) Hexachloroethane	14.10	117	105695	56.624	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	293833	53.856	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15958	52.347	ug/l	97

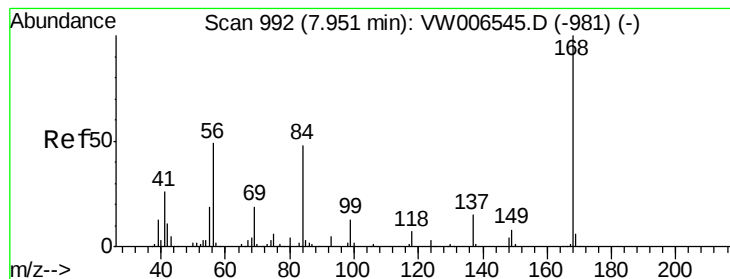
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW110518\
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QLast Update : Thu Nov 01 03:48:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	218821	53.939	ug/l	99
94) Hexachlorobutadiene	15.24	225	137650	54.441	ug/l	99
95) Naphthalene	15.38	128	356084	54.613	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	194353	54.510	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

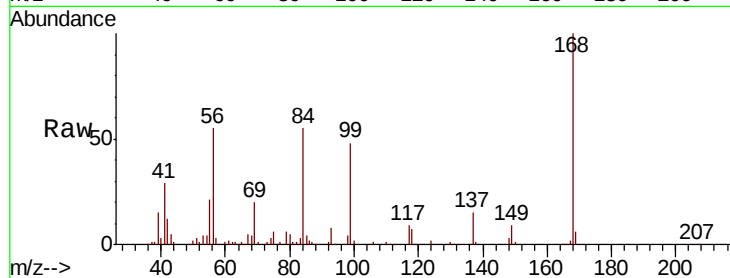
BFB

Tgt Ion:168 Resp: 230364

Ion Ratio Lower Upper

168 100

99 48.3 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

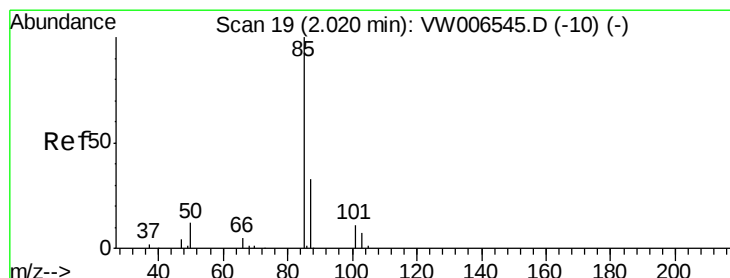
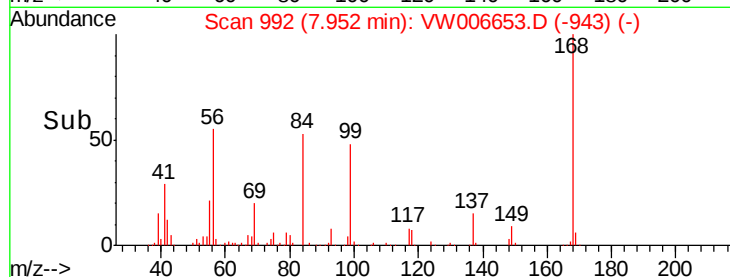
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 48.044 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW006653.D

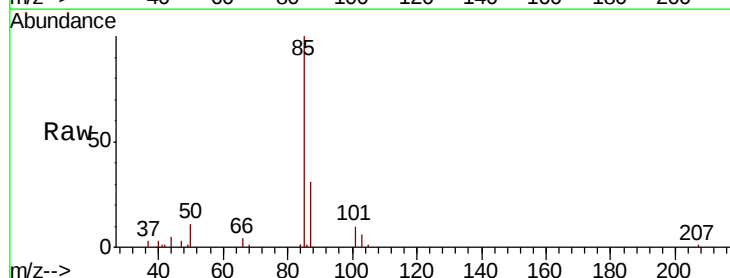
Acq: 05 Nov 2018 23:52

Tgt Ion: 85 Resp: 57374

Ion Ratio Lower Upper

85 100

87 30.8 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

10000

5000

0

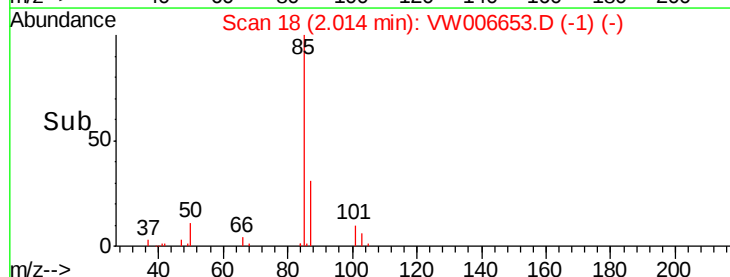
1.90

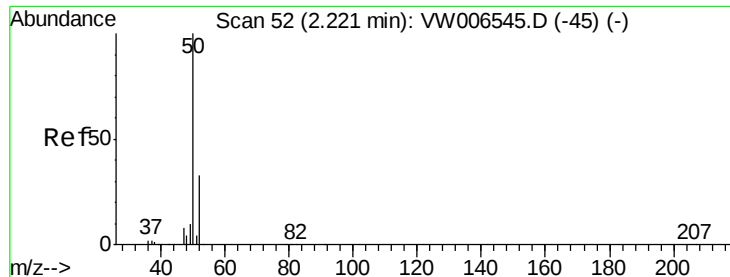
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 50.304 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampled :

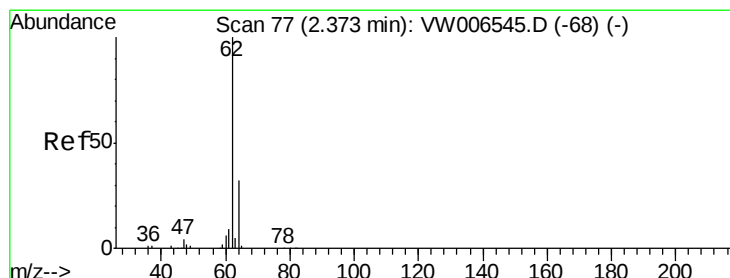
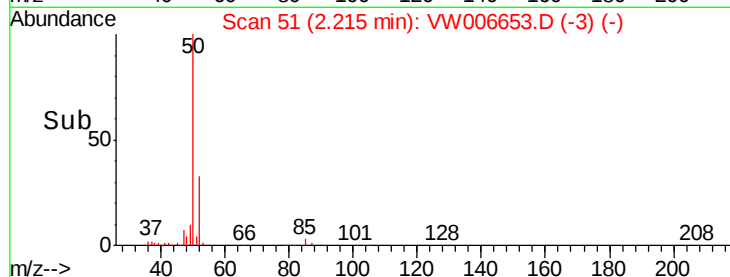
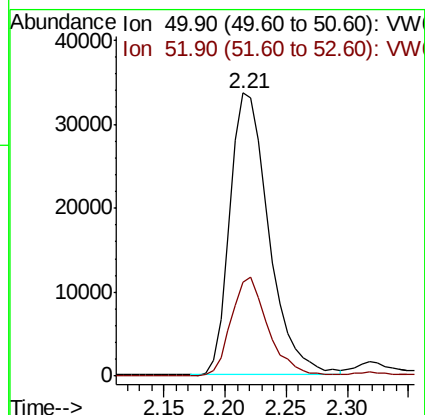
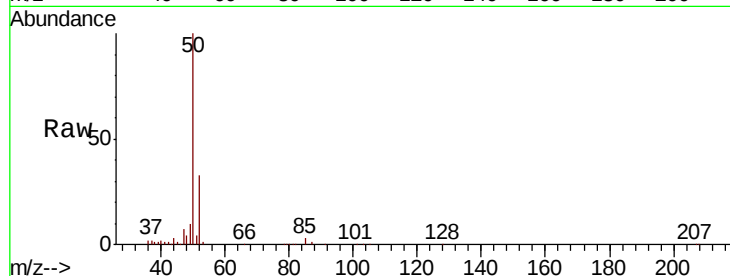
BFB

Tgt Ion: 50 Resp: 74328

Ion Ratio Lower Upper

50 100

52 33.4 26.2 39.4



#4

Vinyl Chloride

Concen: 52.990 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006653.D

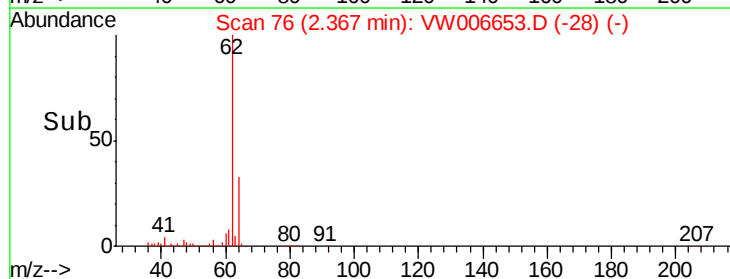
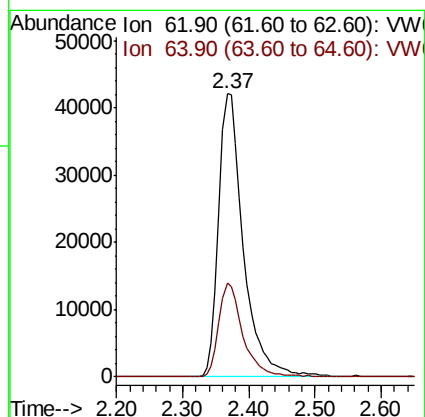
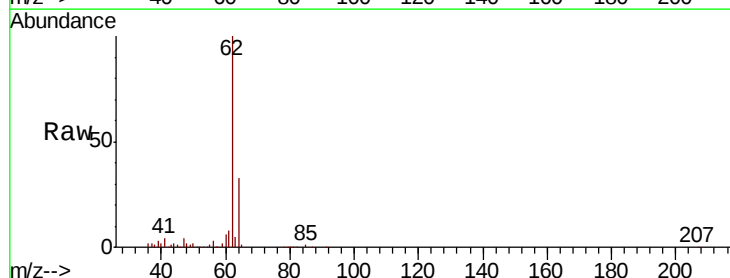
Acq: 05 Nov 2018 23:52

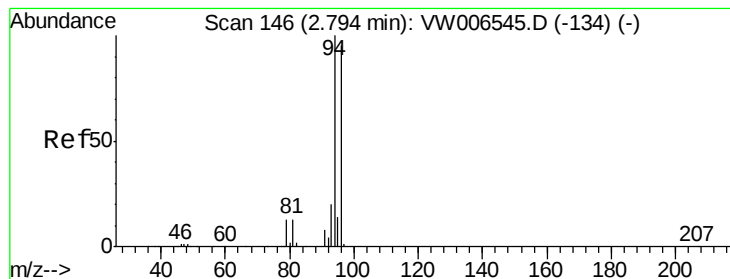
Tgt Ion: 62 Resp: 109325

Ion Ratio Lower Upper

62 100

64 33.2 25.4 38.0





#5

Bromomethane

Concen: 53.562 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

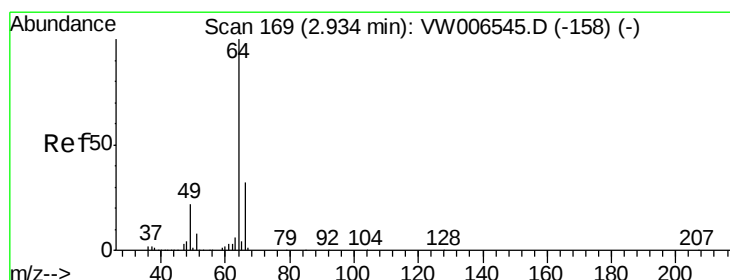
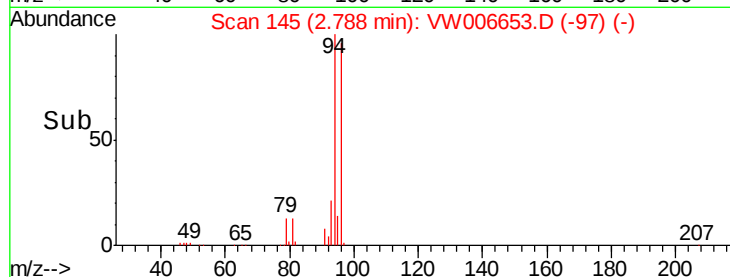
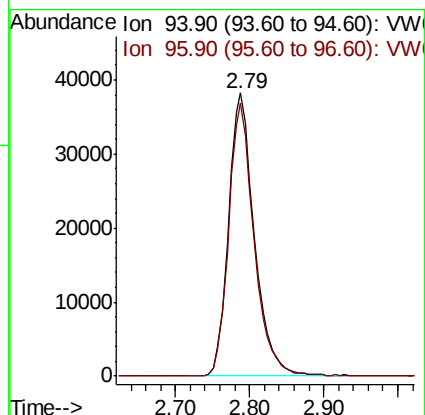
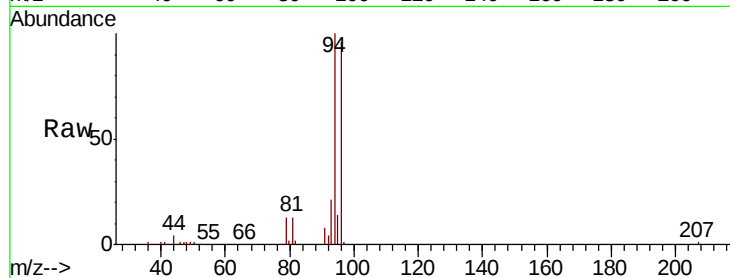
BFB

Tgt Ion: 94 Resp: 92739

Ion Ratio Lower Upper

94 100

96 96.2 75.7 113.5



#6

Chloroethane

Concen: 53.017 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006653.D

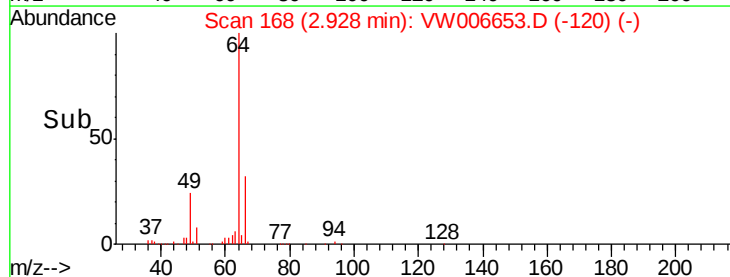
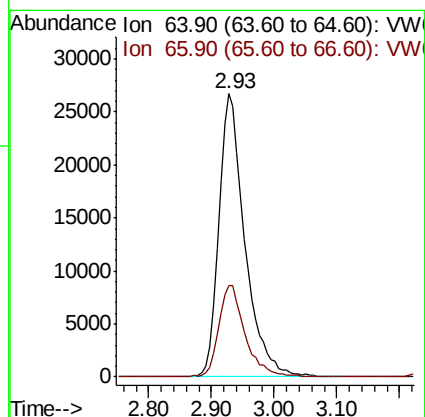
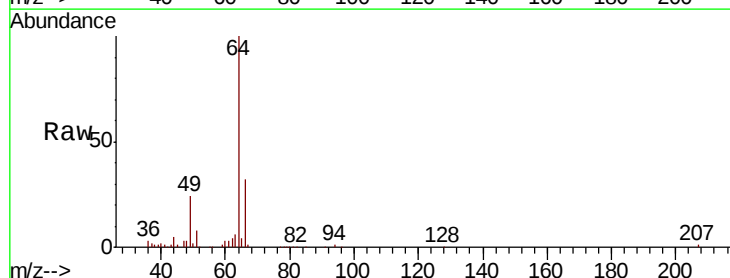
Acq: 05 Nov 2018 23:52

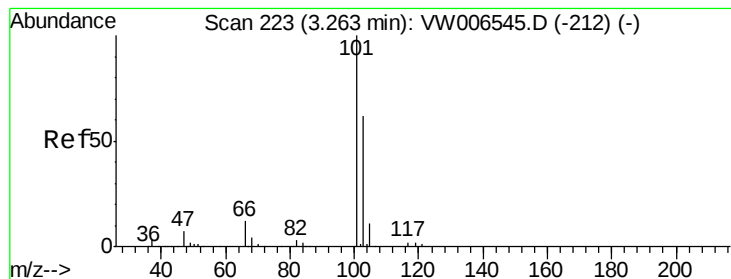
Tgt Ion: 64 Resp: 76426

Ion Ratio Lower Upper

64 100

66 32.5 25.9 38.9



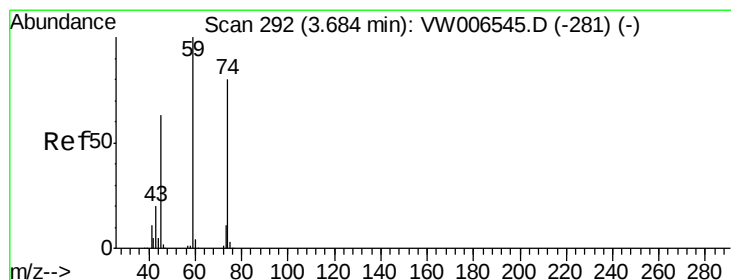
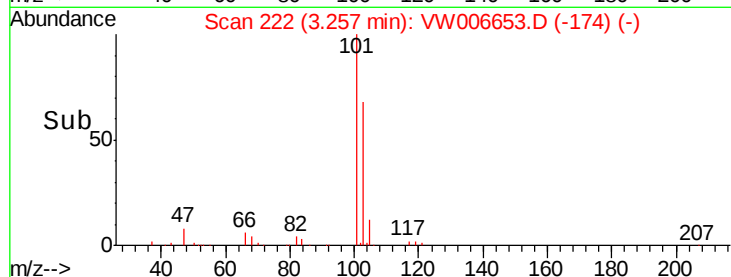
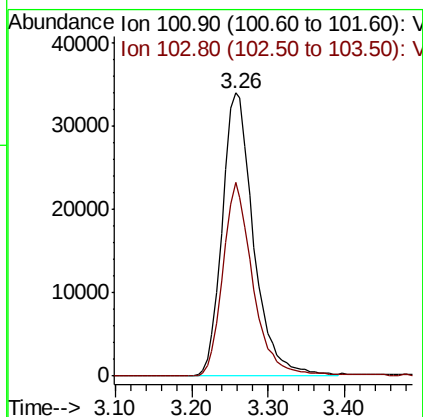
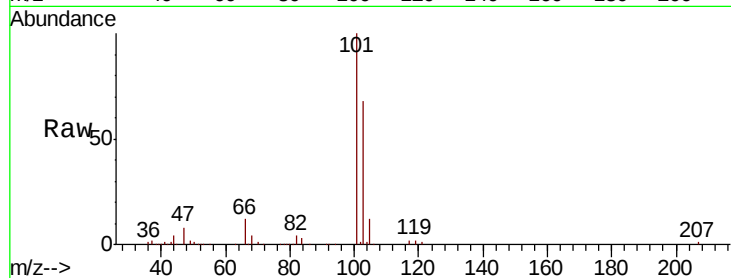


#7

Trichlorofluoromethane
 Concen: 52.932 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006653.D
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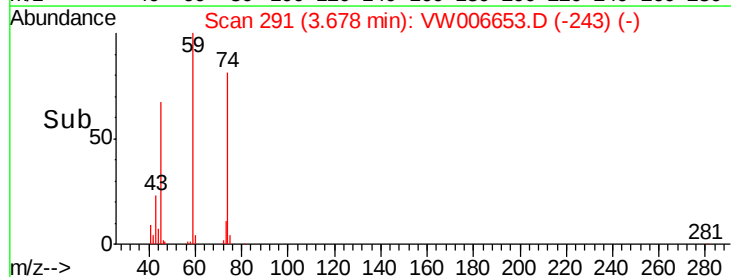
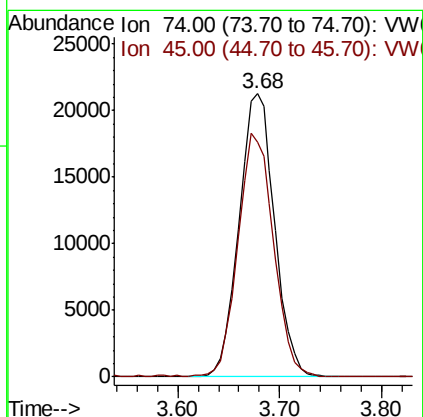
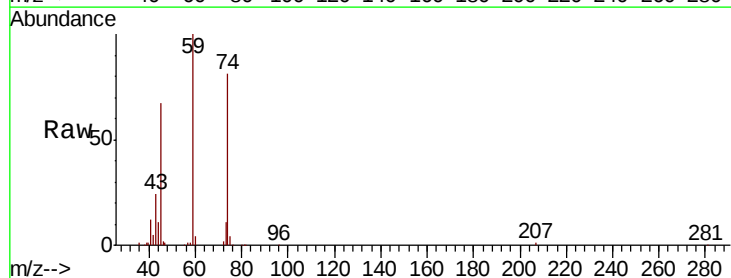
Tgt Ion:101 Resp: 96436
 Ion Ratio Lower Upper
 101 100
 103 68.3 49.8 74.8

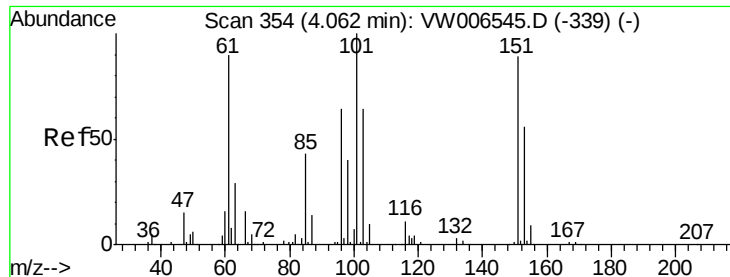


#8

Diethyl Ether
 Concen: 51.466 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Tgt Ion: 74 Resp: 51255
 Ion Ratio Lower Upper
 74 100
 45 86.5 41.1 123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.734 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

BFB

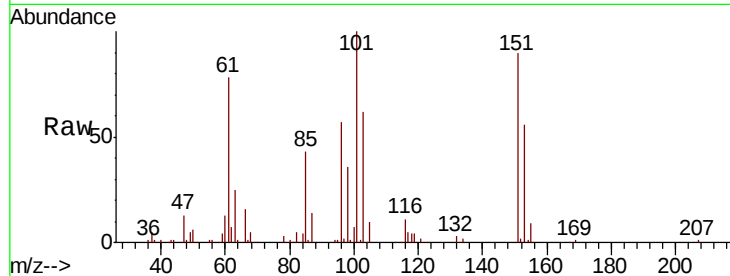
Tgt Ion:101 Resp: 104539

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

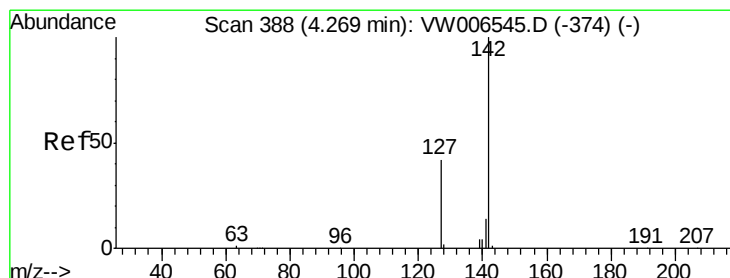
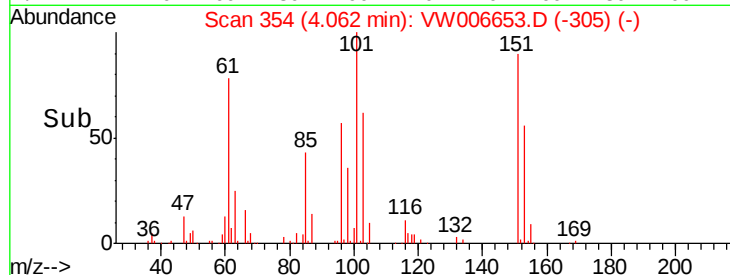
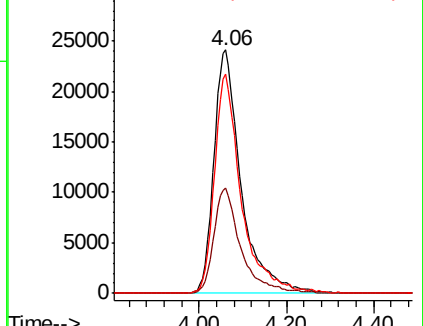
151 88.3 70.7 106.1



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: 49.660 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006653.D

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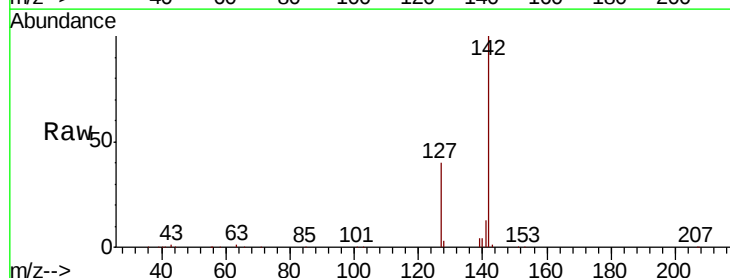
Tgt Ion:142 Resp: 175177

Ion Ratio Lower Upper

142 100

127 41.0 32.3 48.5

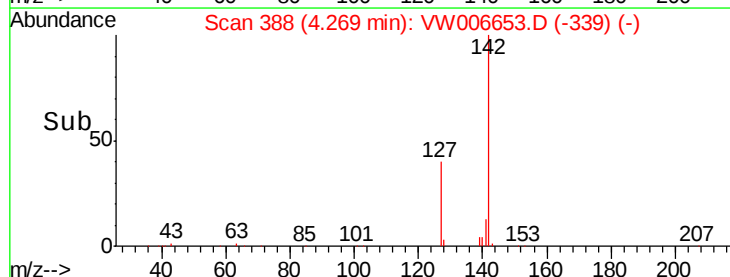
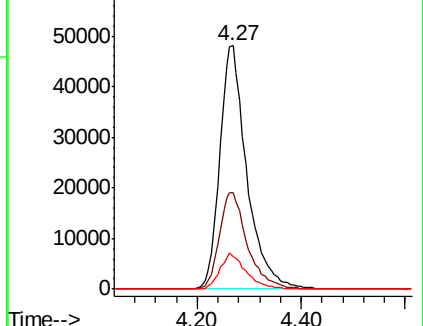
141 14.3 11.3 16.9

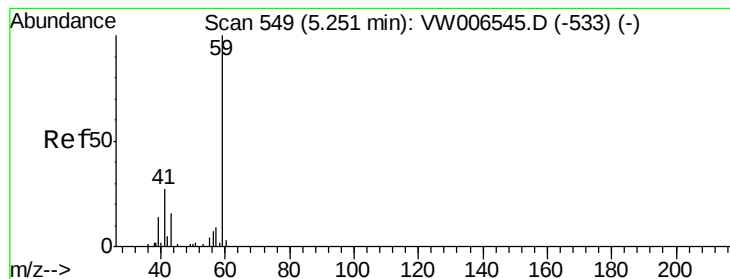


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



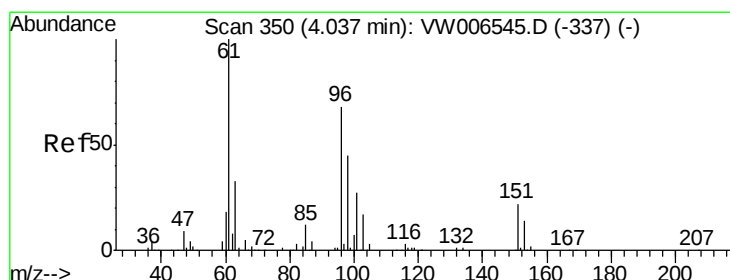
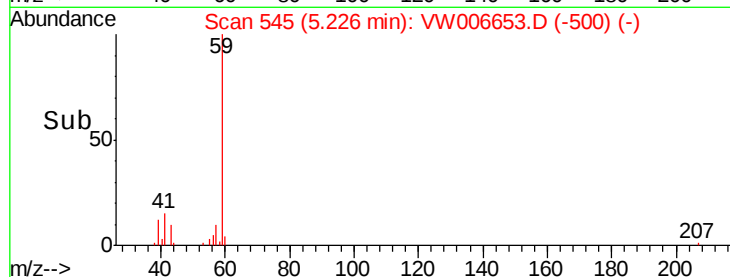
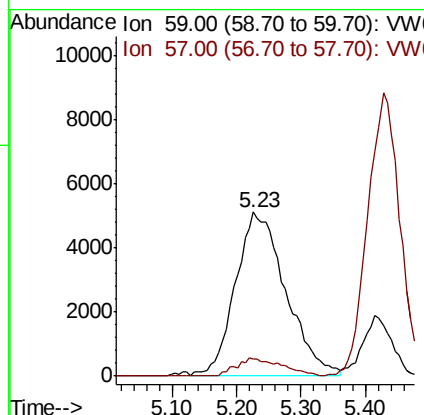
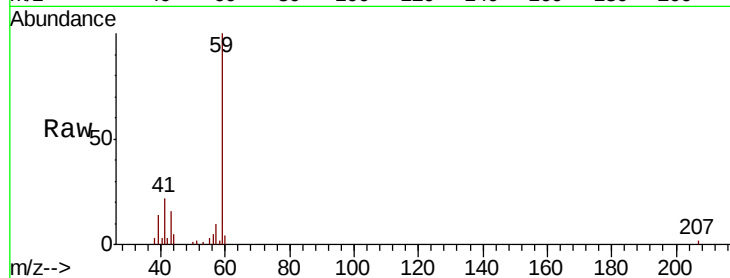


#11

Tert butyl alcohol
 Concen: 260.742 ug/l
 RT: 5.23 min Scan# 545
 Delta R.T. -0.02 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

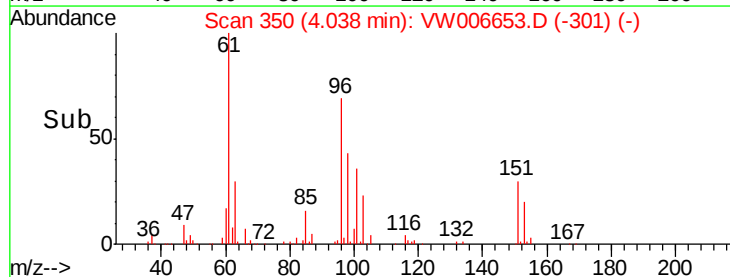
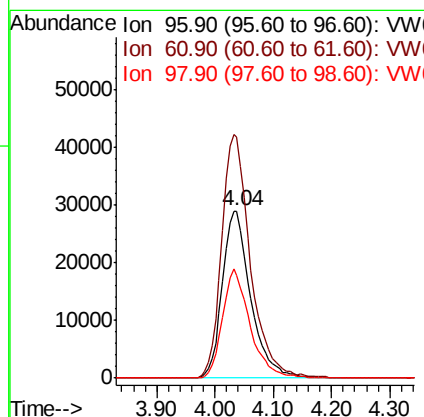
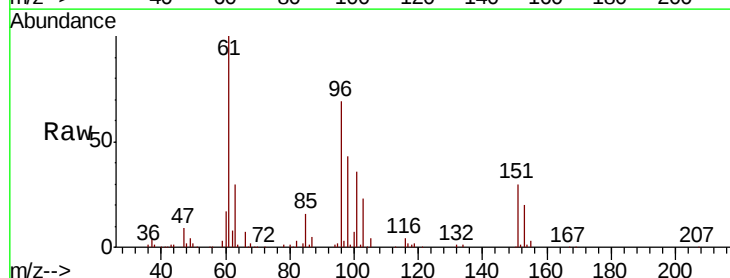
Tgt Ion: 59 Resp: 27819
 Ion Ratio Lower Upper
 59 100
 57 10.1 4.3 6.5#

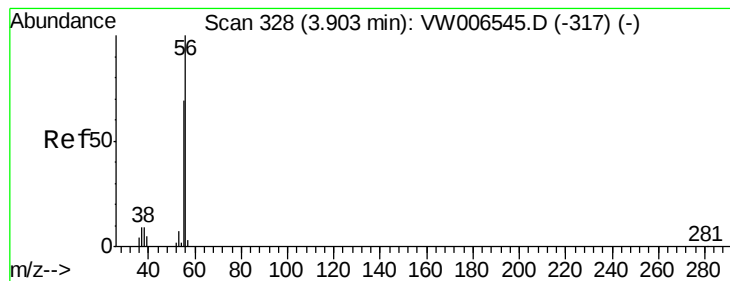


#12

1,1-Dichloroethene
 Concen: 52.224 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Tgt Ion: 96 Resp: 98131
 Ion Ratio Lower Upper
 96 100
 61 144.2 117.0 175.4
 98 61.7 52.5 78.7





#13

Acrolein

Concen: 240.967 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

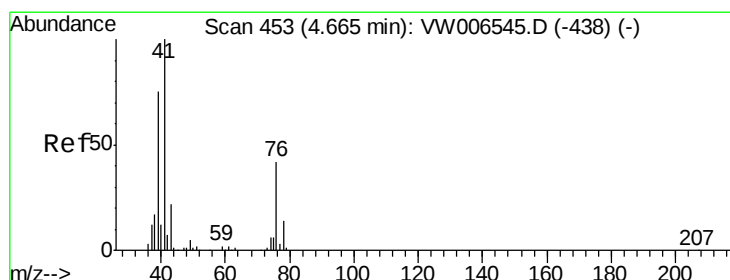
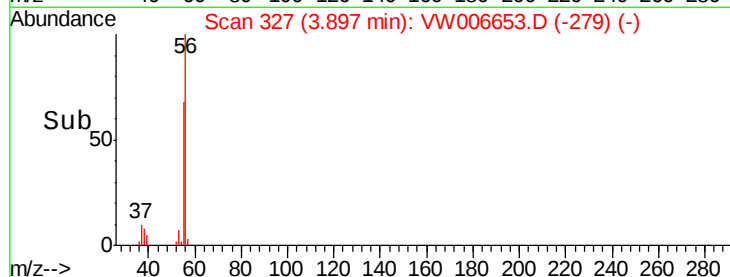
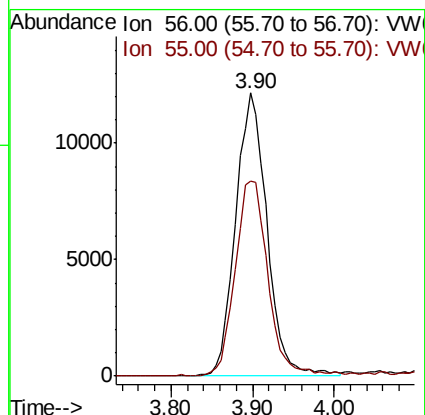
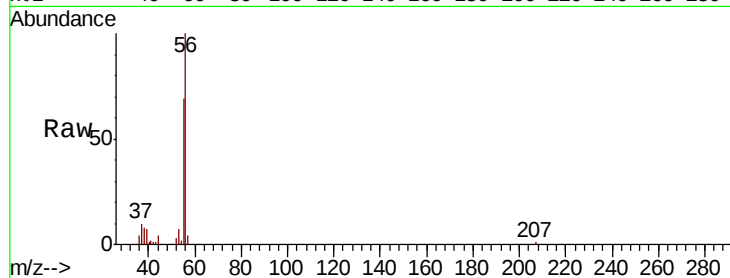
BFB

Tgt Ion: 56 Resp: 32335

Ion Ratio Lower Upper

56 100

55 71.8 56.9 85.3



#14

Allyl chloride

Concen: 52.270 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

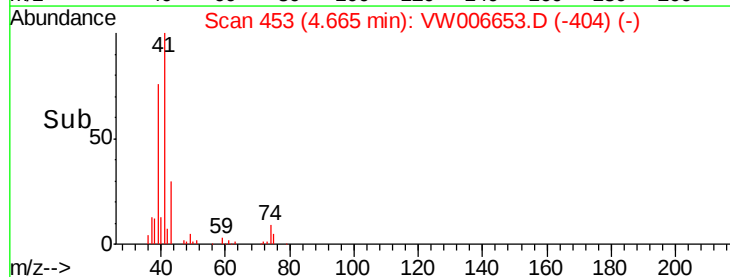
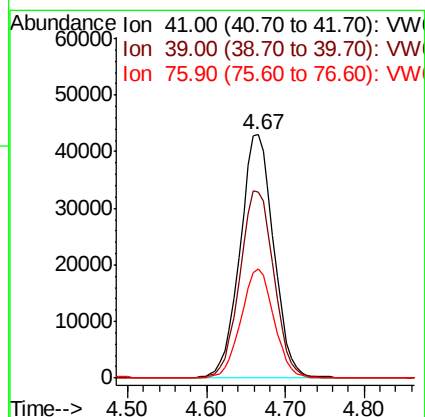
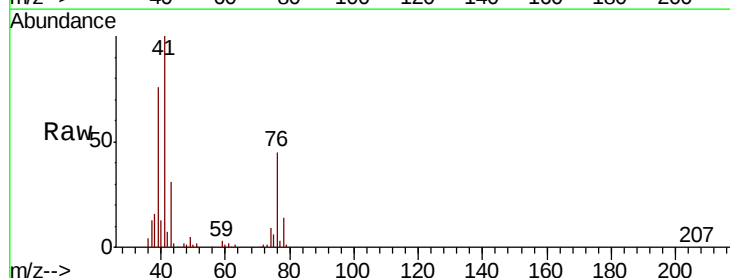
Tgt Ion: 41 Resp: 128205

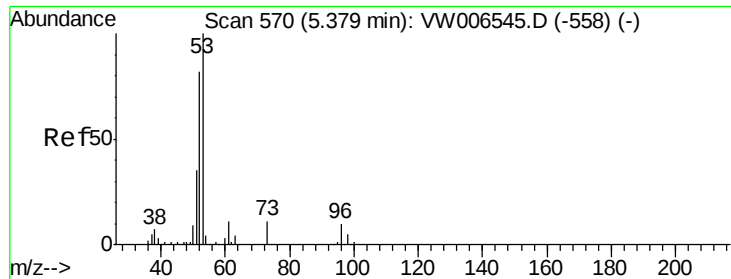
Ion Ratio Lower Upper

41 100

39 77.7 62.1 93.1

76 43.5 34.2 51.2





#15

Acrylonitrile

Concen: 270.509 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

BFB

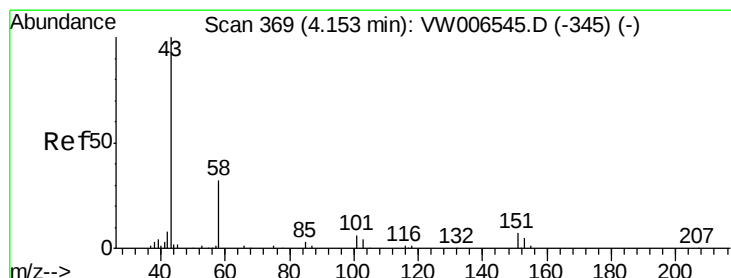
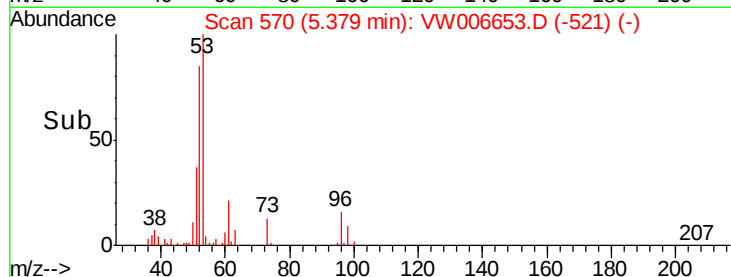
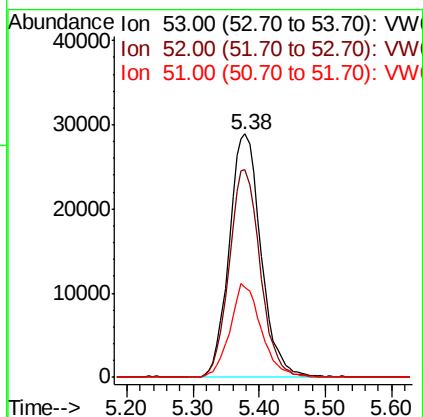
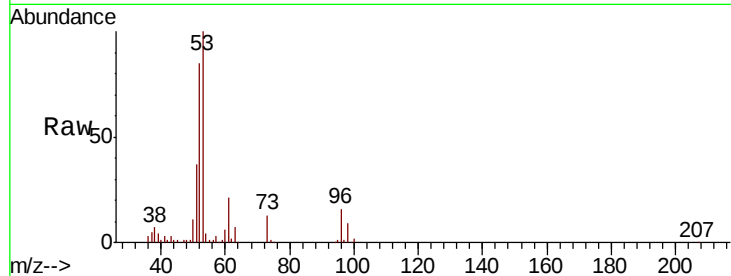
Tgt Ion: 53 Resp: 96597

Ion Ratio Lower Upper

53 100

52 83.2 65.8 98.8

51 37.8 29.6 44.4



#16

Acetone

Concen: 256.674 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006653.D

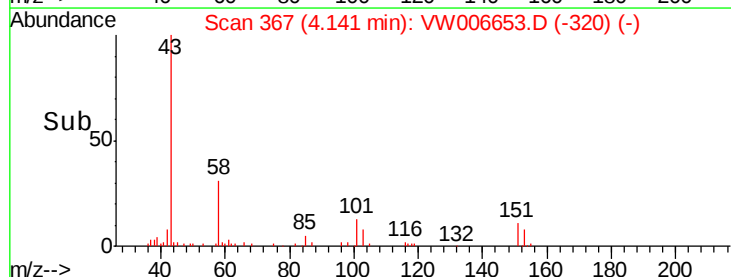
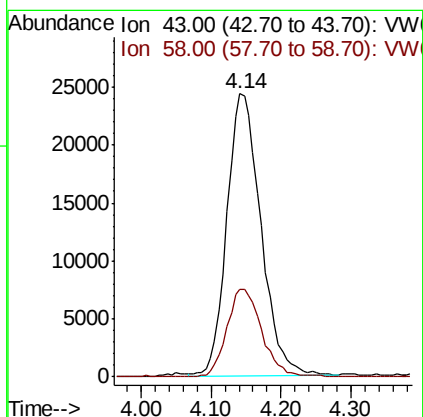
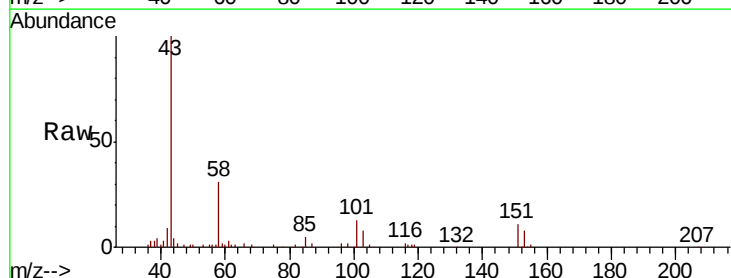
Acq: 05 Nov 2018 23:52

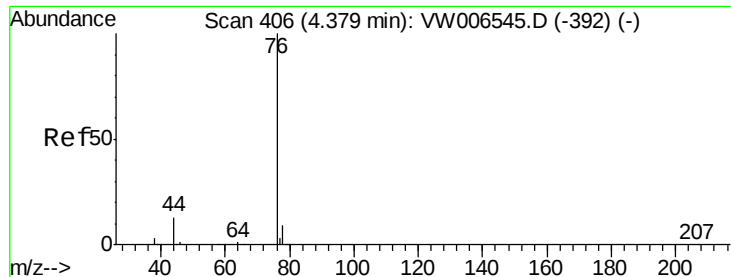
Tgt Ion: 43 Resp: 82059

Ion Ratio Lower Upper

43 100

58 31.4 25.8 38.8

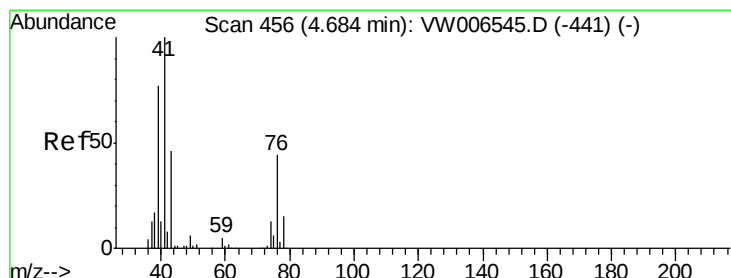
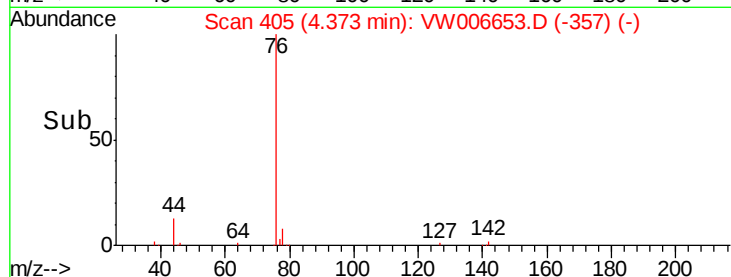
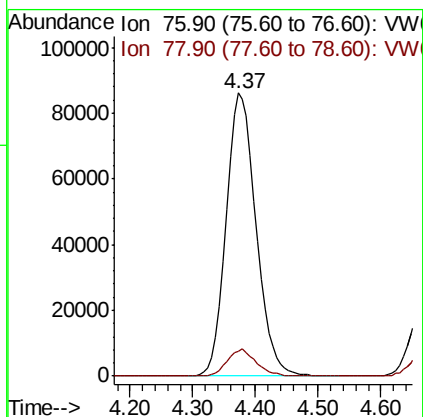
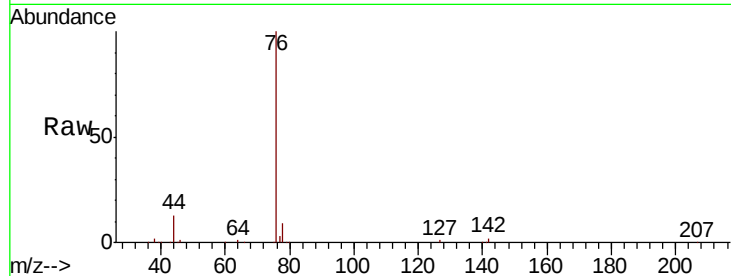




#17
Carbon Disulfide
Concen: 53.091 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

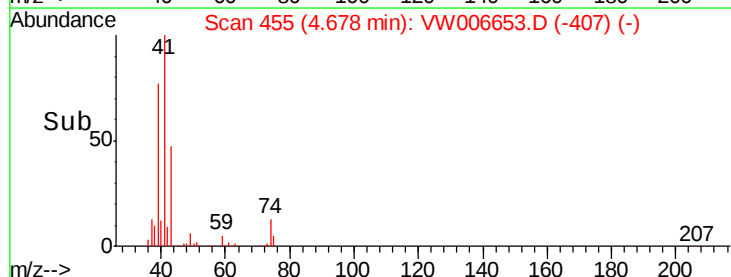
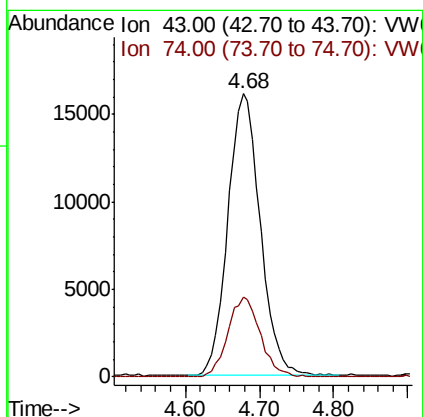
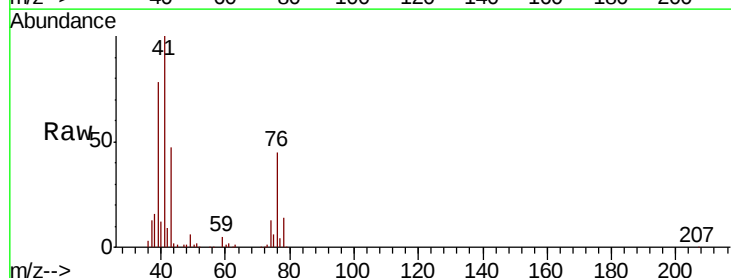
Instrument :
MSVOA_W
ClientSampleId :
BFB

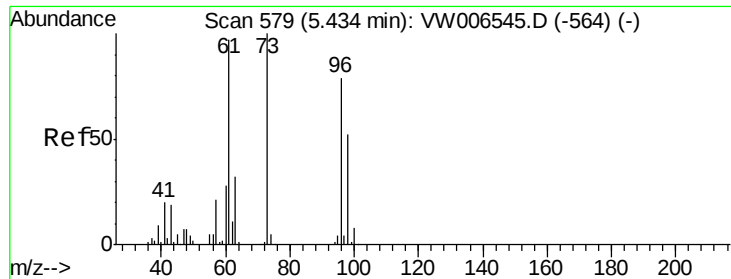
Tgt Ion: 76 Resp: 283887
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 53.611 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Tgt Ion: 43 Resp: 49285
Ion Ratio Lower Upper
43 100
74 28.1 21.9 32.9



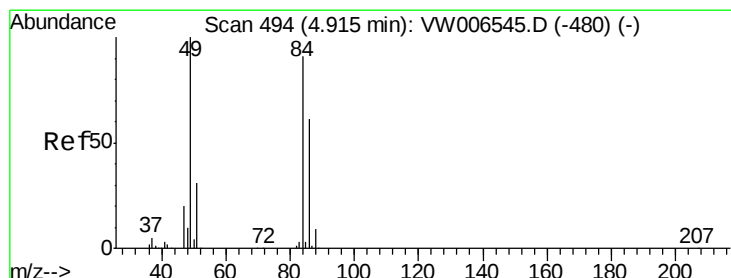
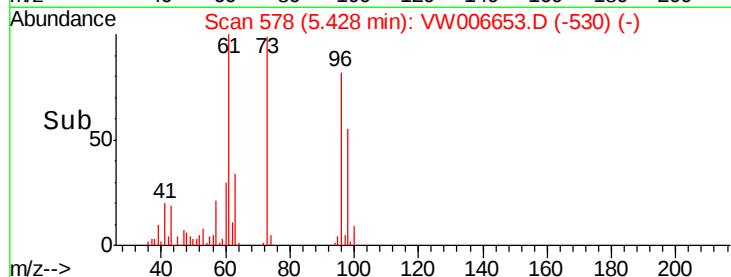
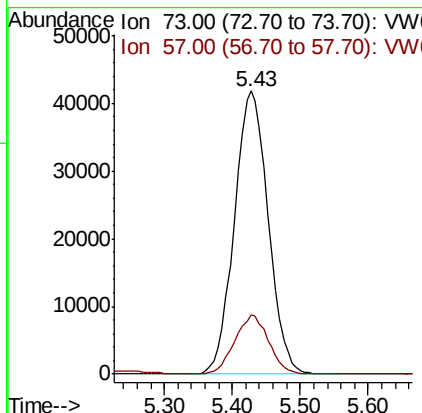
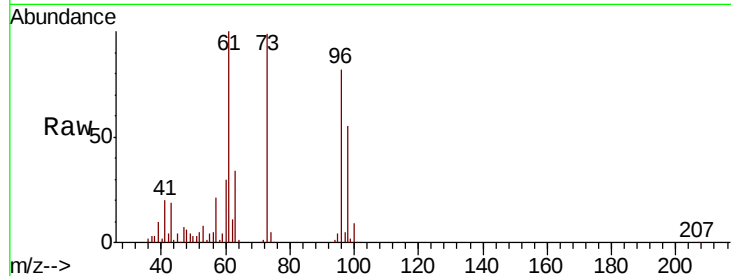


#19

Methyl tert-butyl Ether
 Concen: 51.593 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

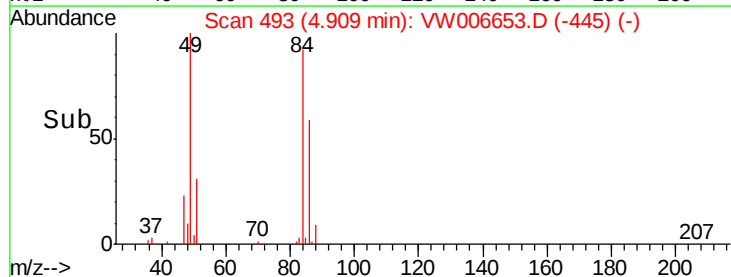
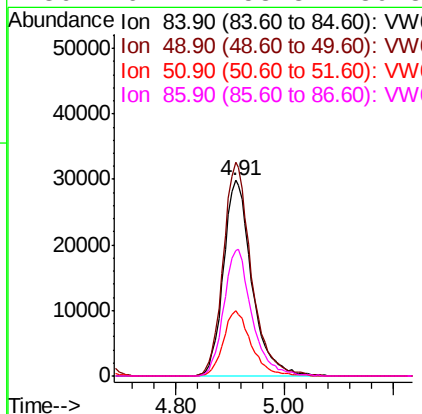
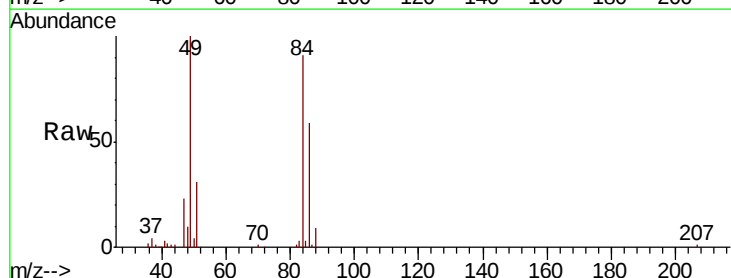
Tgt Ion: 73 Resp: 144304
 Ion Ratio Lower Upper
 73 100
 57 21.1 16.7 25.1

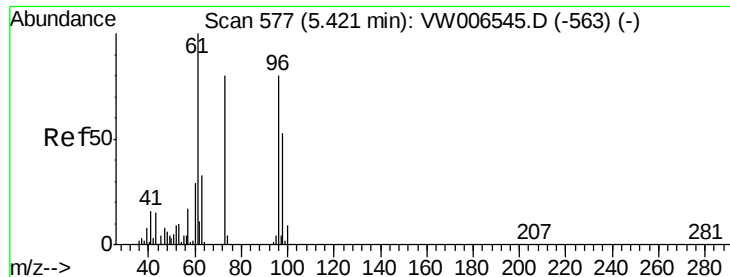


#20

Methylene Chloride
 Concen: 52.748 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Tgt Ion: 84 Resp: 108607
 Ion Ratio Lower Upper
 84 100
 49 109.4 88.2 132.4
 51 33.6 27.0 40.6
 86 64.4 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 53.973 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

BFB

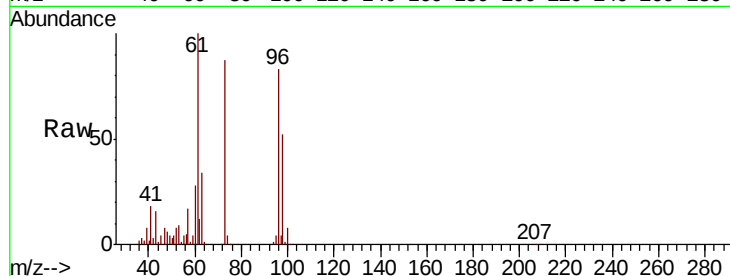
Tgt Ion: 96 Resp: 114759

Ion Ratio Lower Upper

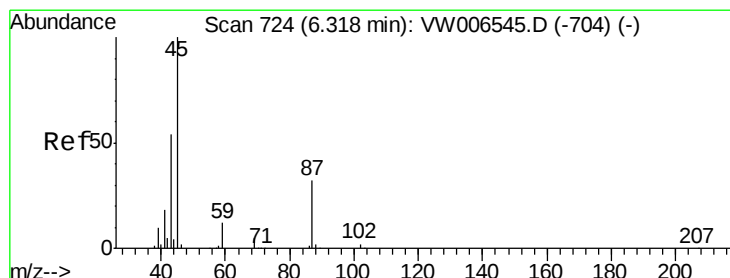
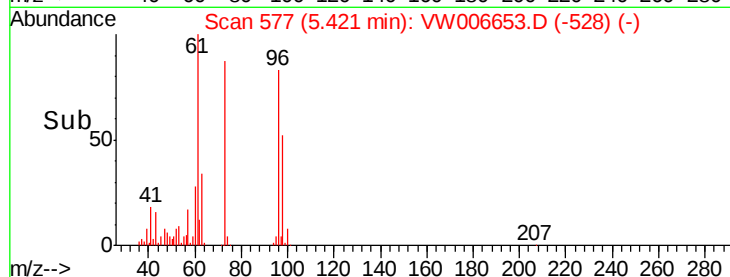
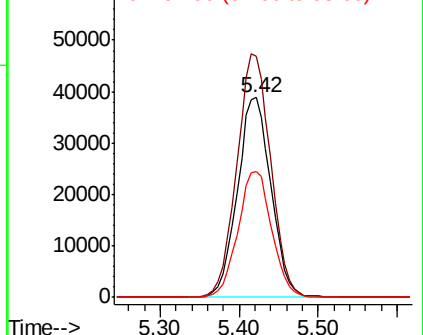
96 100

61 120.3 100.6 150.8

98 63.1 52.9 79.3



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: 53.755 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Tgt Ion: 45 Resp: 274869

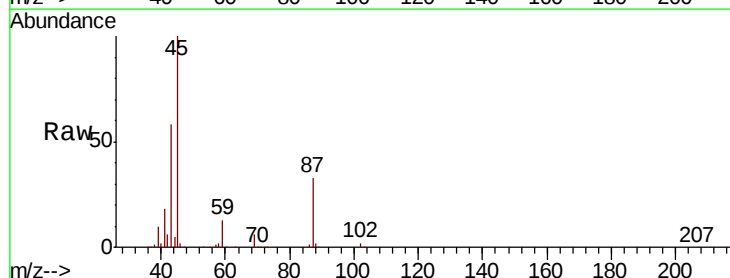
Ion Ratio Lower Upper

45 100

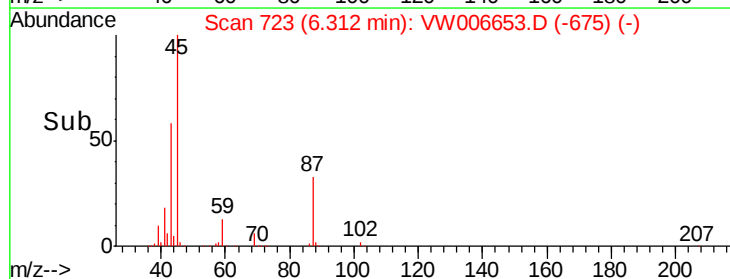
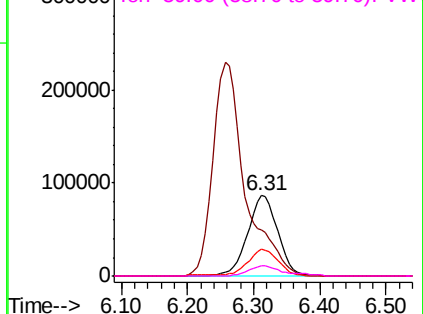
43 57.5 43.6 65.4

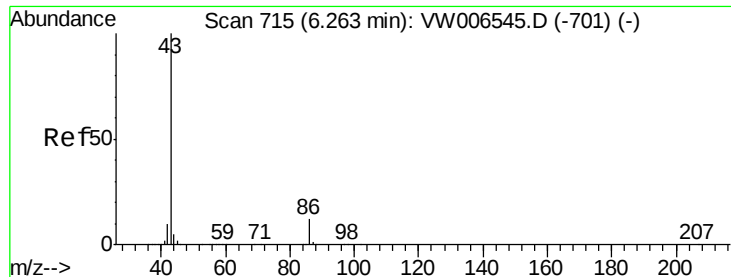
87 33.2 26.3 39.5

59 12.9 9.8 14.8



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: 274.269 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampled :

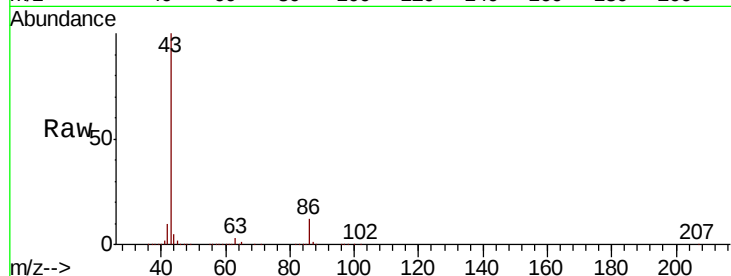
BFB

Tgt Ion: 43 Resp: 777719

Ion Ratio Lower Upper

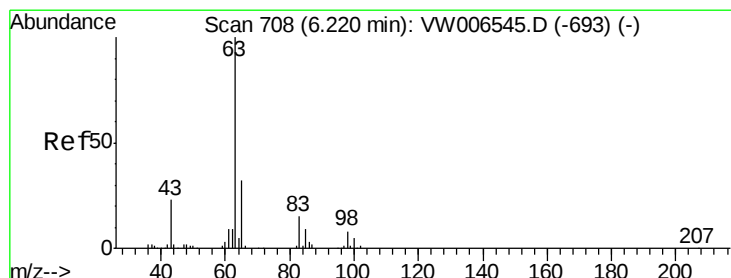
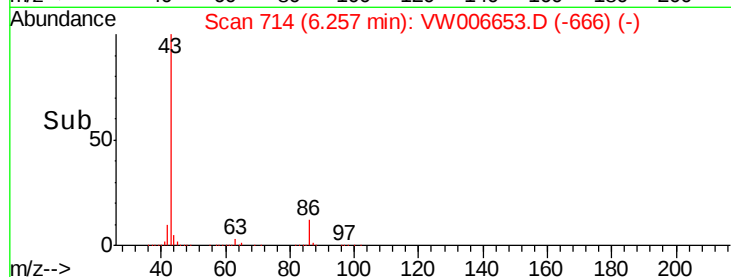
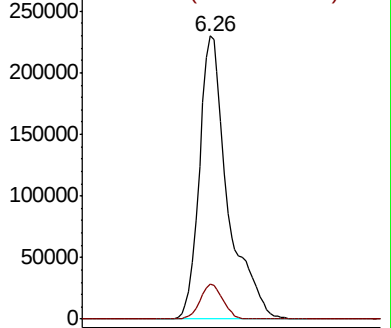
43 100

86 12.4 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.324 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

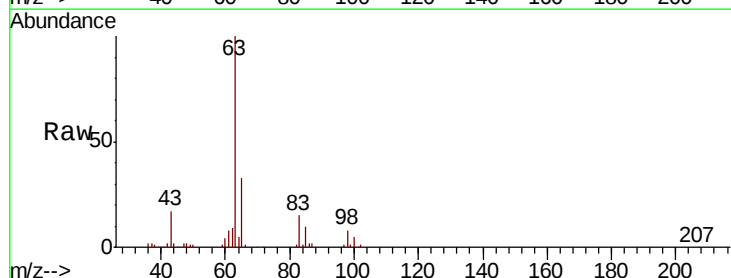
Tgt Ion: 63 Resp: 184796

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.4

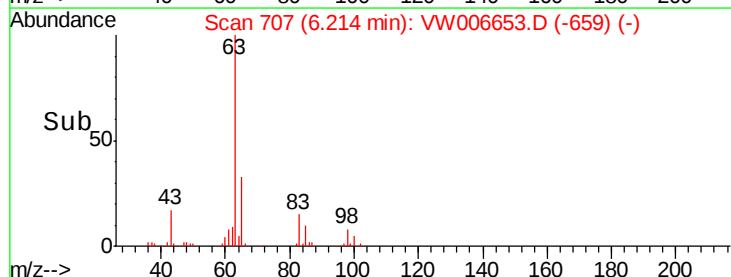
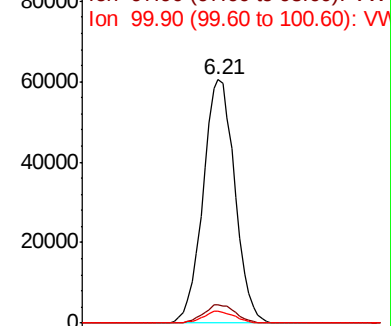
100 5.1 2.4 7.2

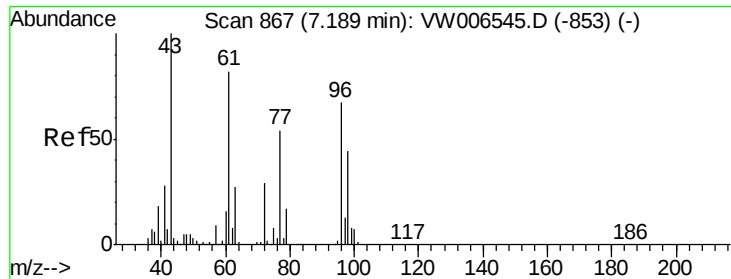


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 266.023 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

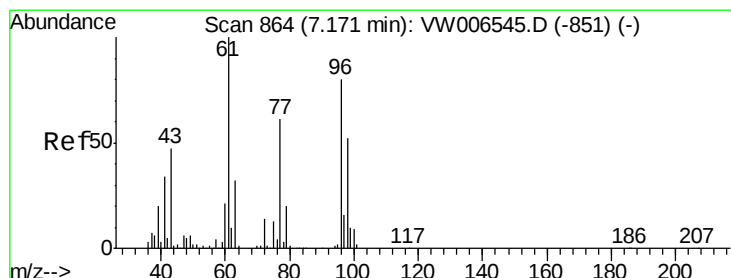
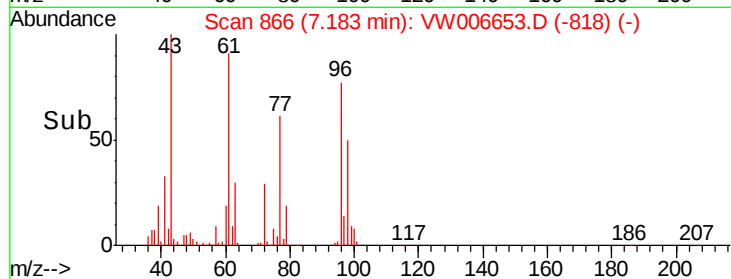
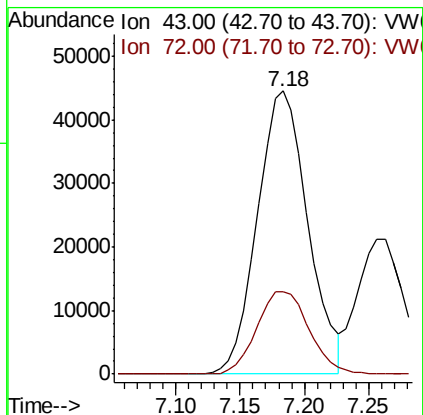
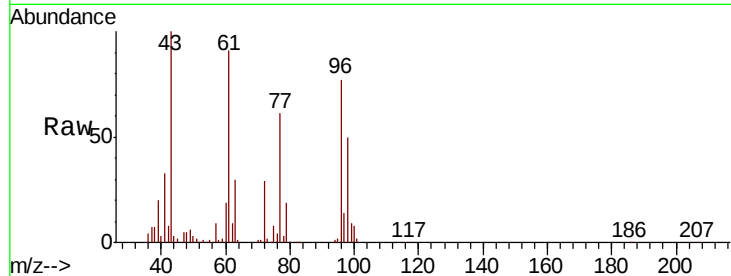
BFB

Tgt Ion: 43 Resp: 121360

Ion Ratio Lower Upper

43 100

72 29.2 23.2 34.8



#26

2,2-Dichloropropane

Concen: 52.849 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006653.D

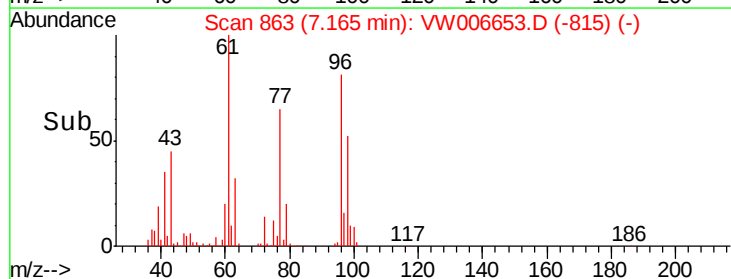
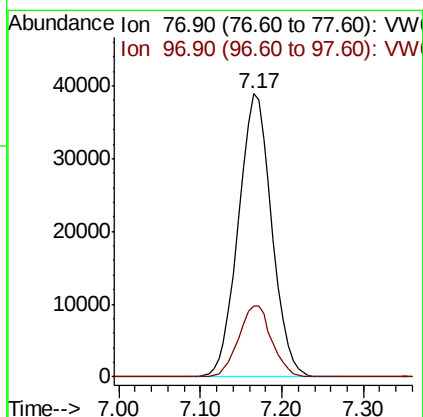
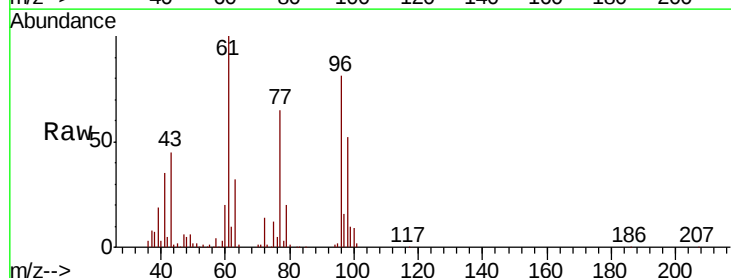
Acq: 05 Nov 2018 23:52

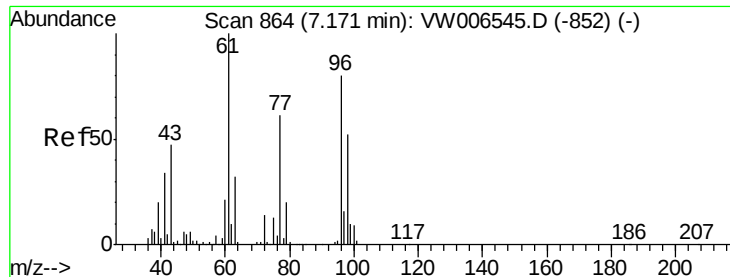
Tgt Ion: 77 Resp: 110326

Ion Ratio Lower Upper

77 100

97 25.0 12.8 38.4



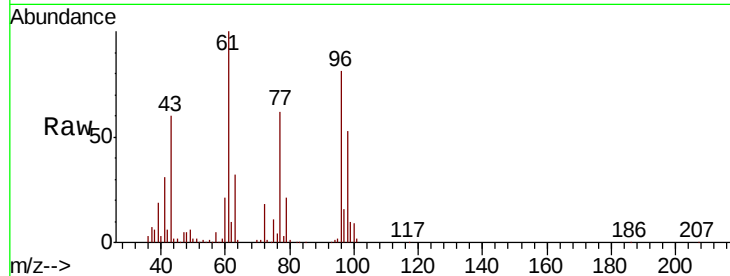


#27

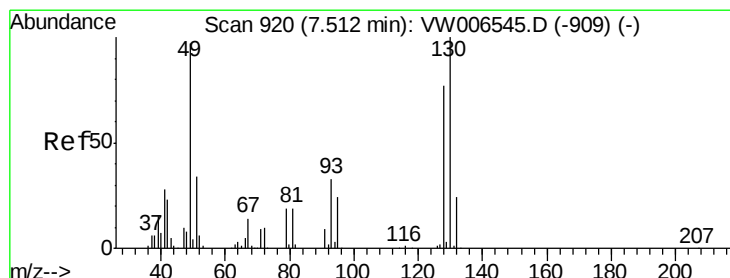
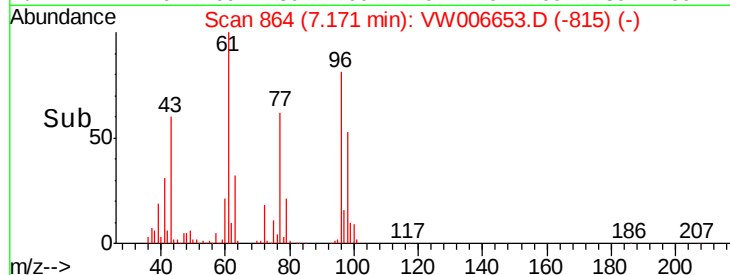
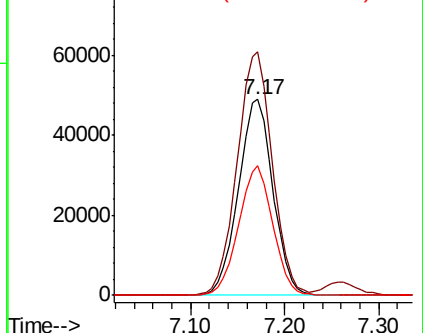
cis-1,2-Dichloroethene
Concen: 53.004 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion: 96 Resp: 126084
Ion Ratio Lower Upper
96 100
61 126.0 0.0 254.2
98 65.1 0.0 129.6



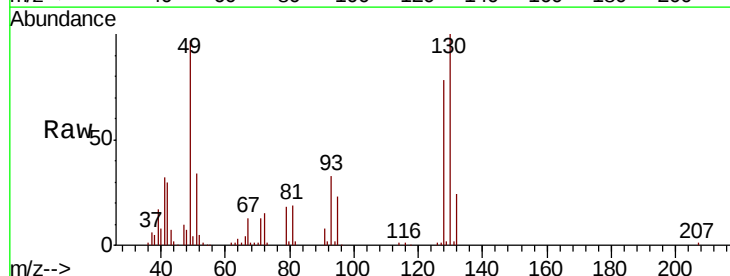
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



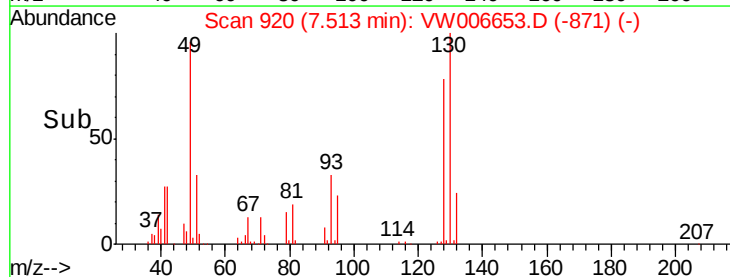
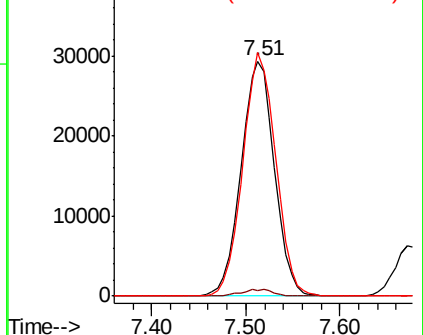
#28

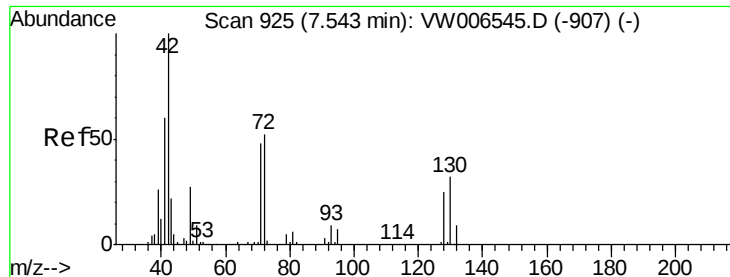
Bromochloromethane
Concen: 52.842 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Tgt Ion: 49 Resp: 72716
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.6
130 102.5 82.2 123.2



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 268.913 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

BFB

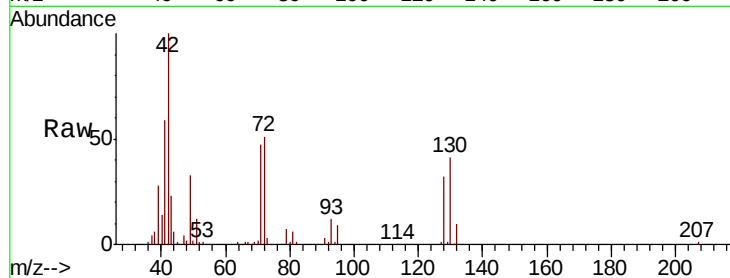
Tgt Ion: 42 Resp: 77162

Ion Ratio Lower Upper

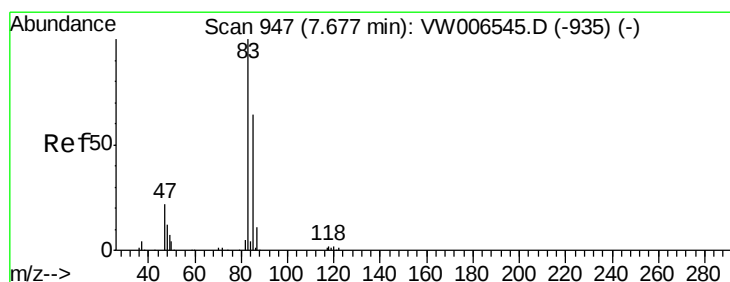
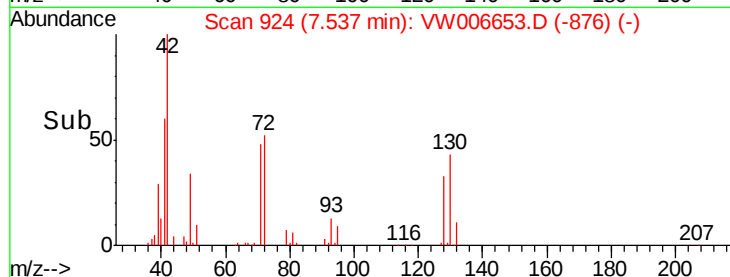
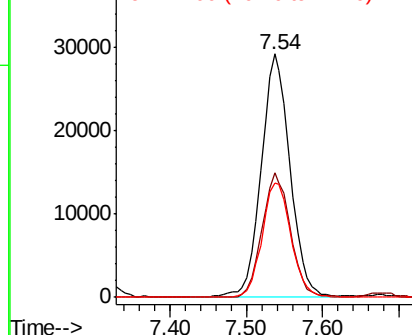
42 100

72 49.9 39.2 58.8

71 47.0 37.6 56.4



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: 53.831 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006653.D

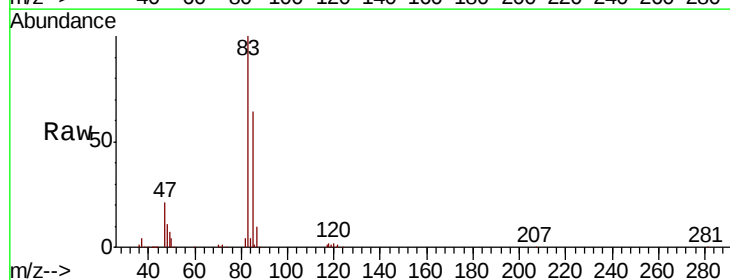
Acq: 05 Nov 2018 23:52

Tgt Ion: 83 Resp: 204533

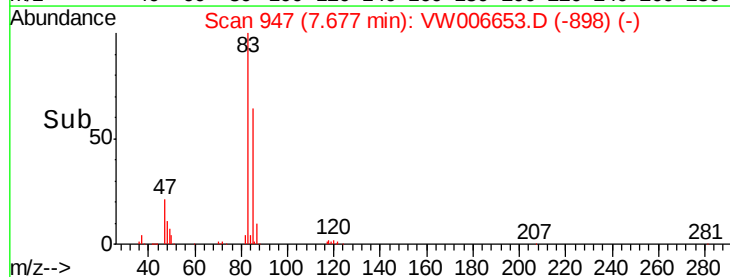
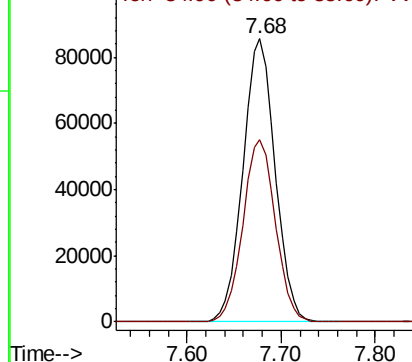
Ion Ratio Lower Upper

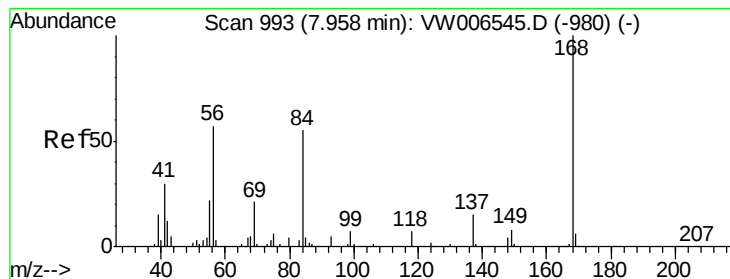
83 100

85 64.3 51.3 76.9



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





#31

Cyclohexane

Concen: 49.247 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampled :

BFB

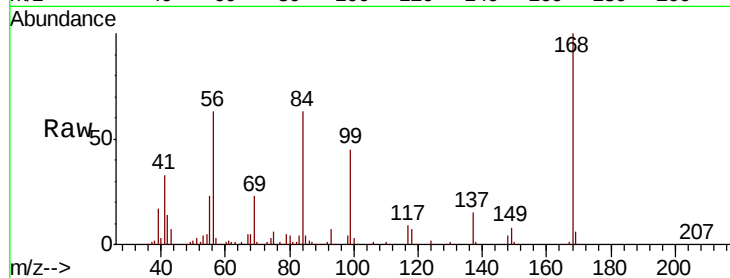
Tgt Ion: 56 Resp: 155332

Ion Ratio Lower Upper

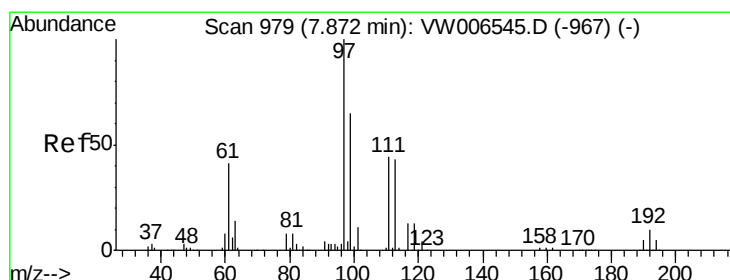
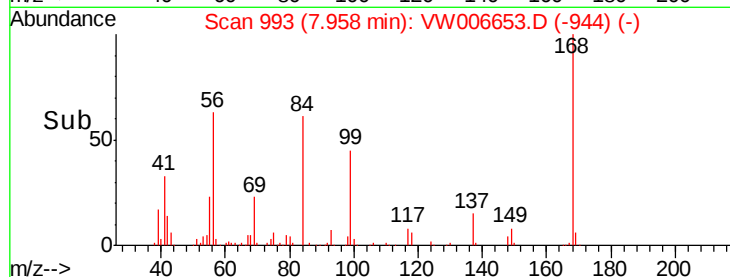
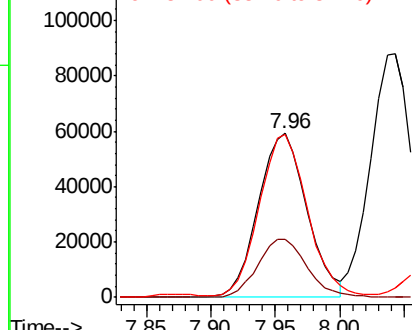
56 100

69 35.7 29.0 43.4

84 98.2 77.8 116.6



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: 53.842 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

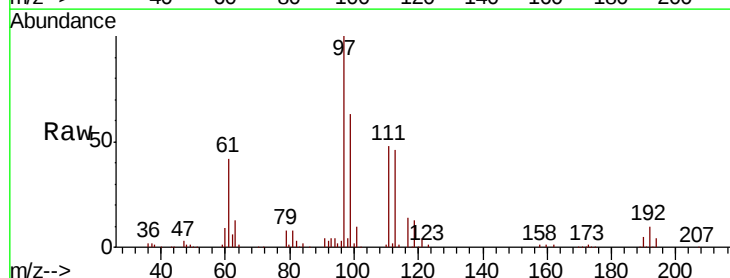
Tgt Ion: 97 Resp: 173105

Ion Ratio Lower Upper

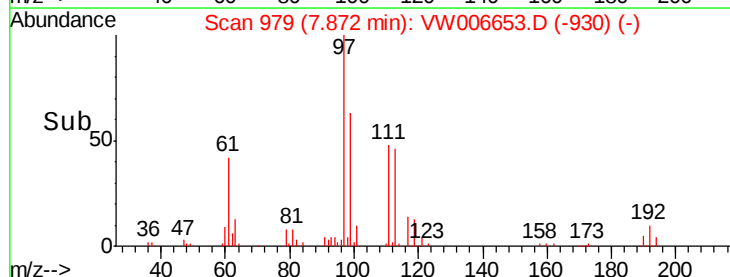
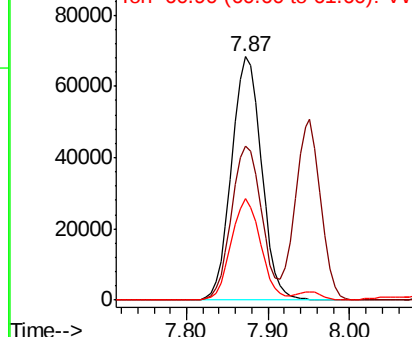
97 100

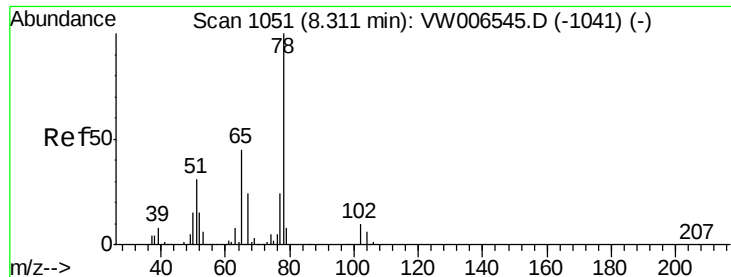
99 64.5 51.7 77.5

61 41.0 32.9 49.3



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

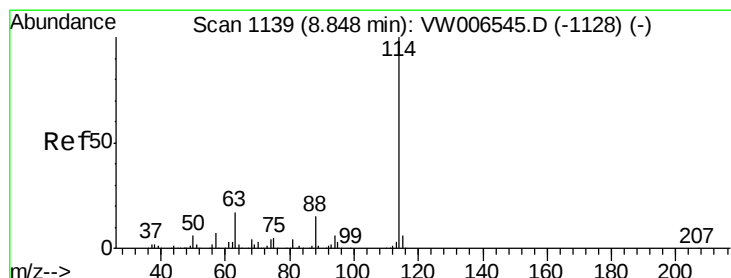
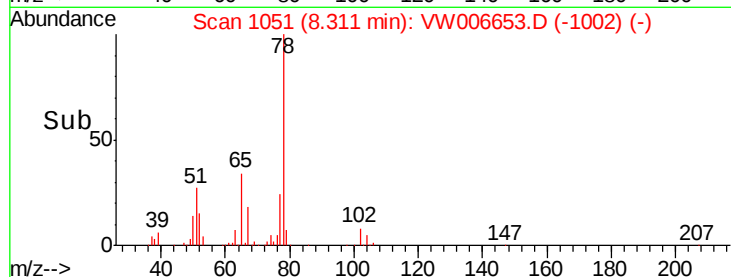
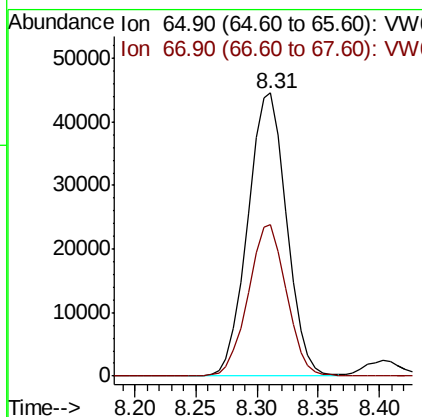
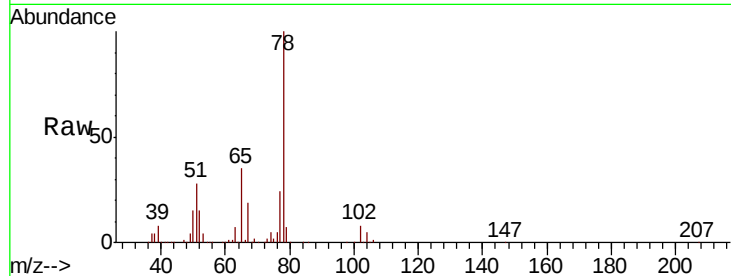




#33
 1,2-Dichloroethane-d4
 Concen: 49.727 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

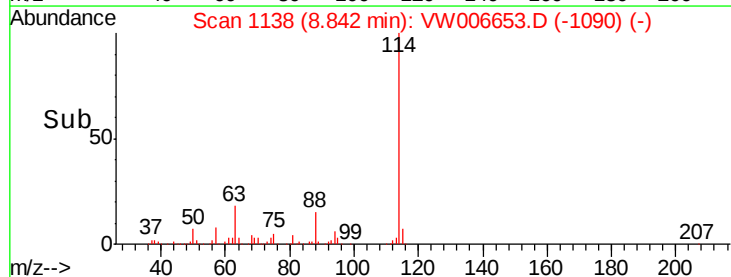
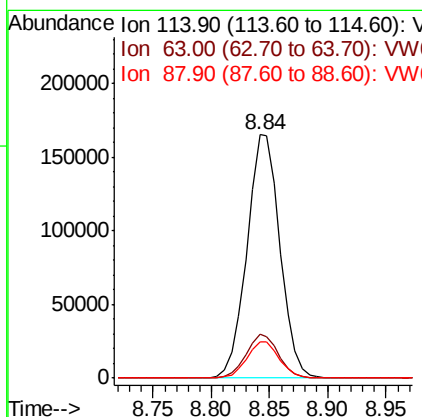
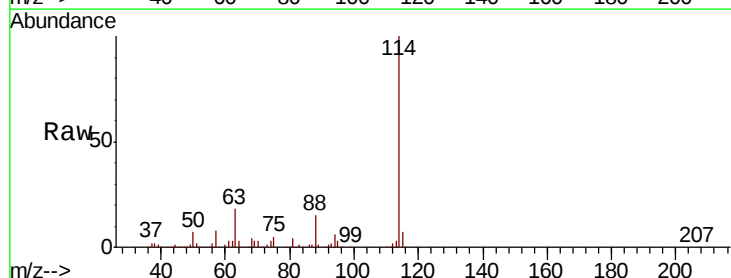
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

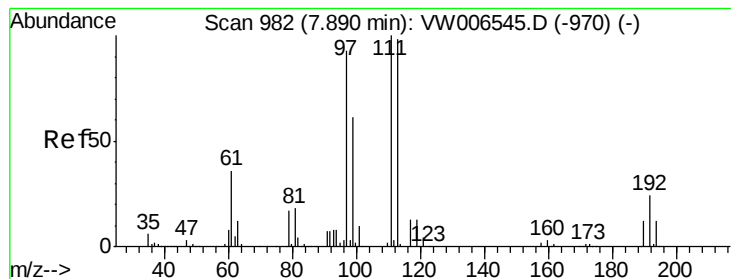
Tgt Ion: 65 Resp: 98470
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Tgt Ion: 114 Resp: 326858
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.4
 88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.706 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

BFB

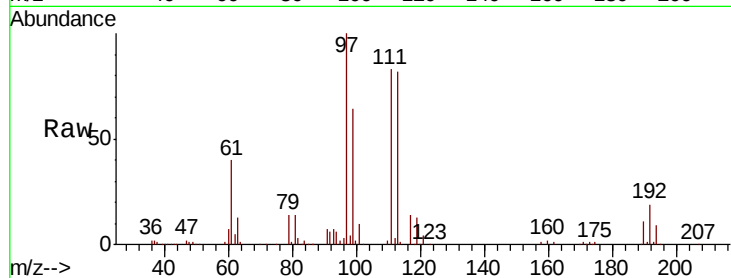
Tgt Ion:113 Resp: 106064

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

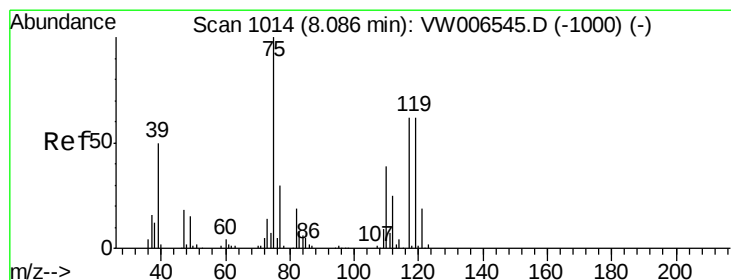
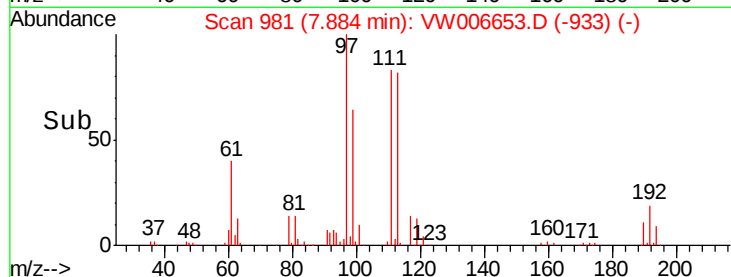
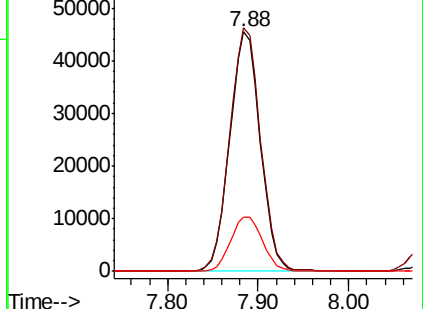
192 23.8 19.0 28.6



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: 54.129 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

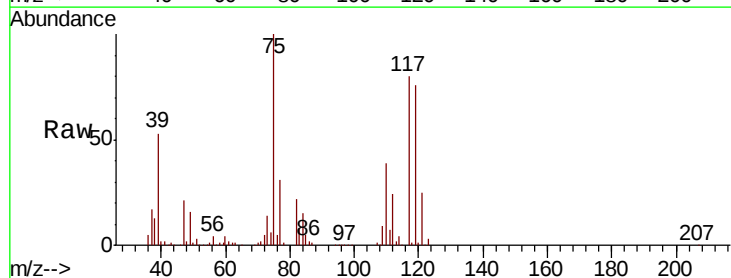
Tgt Ion: 75 Resp: 155590

Ion Ratio Lower Upper

75 100

110 38.8 19.5 58.5

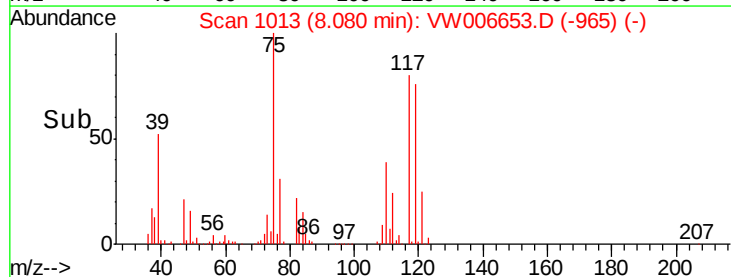
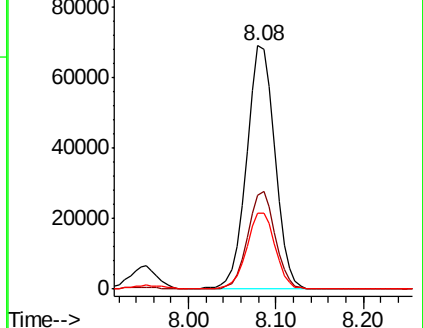
77 31.6 24.6 37.0

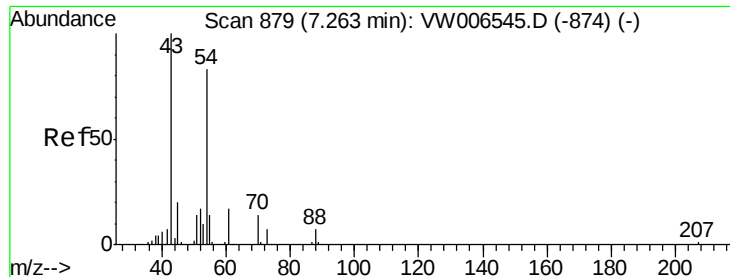


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

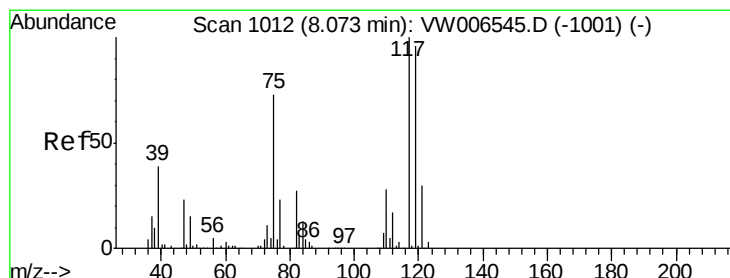
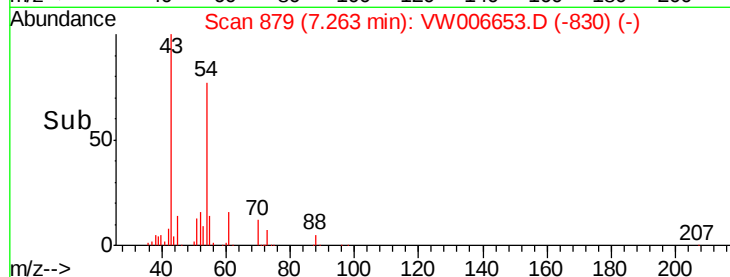
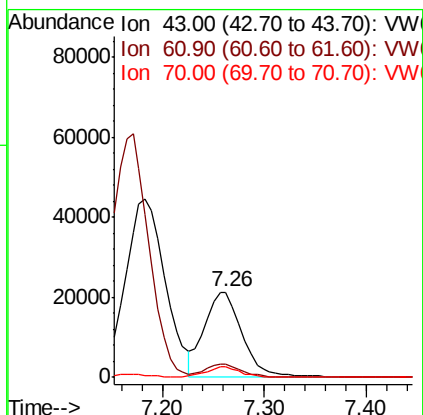
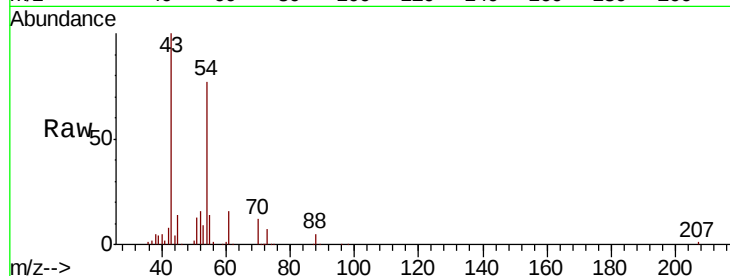




#37
Ethyl Acetate
Concen: 54.944 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

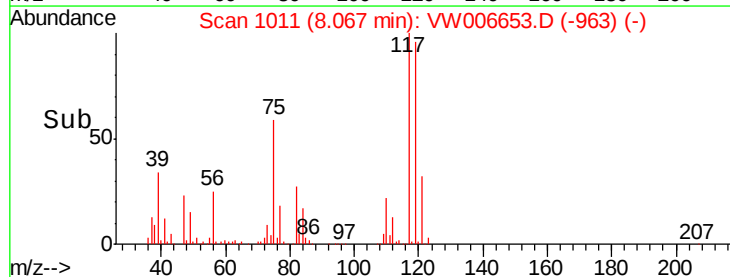
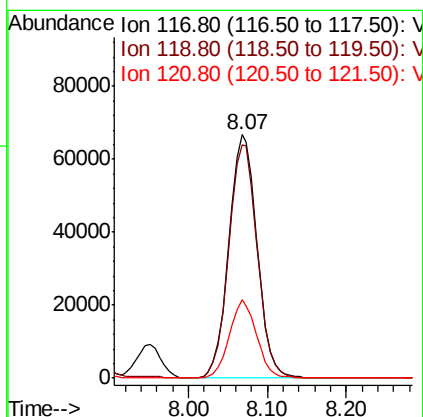
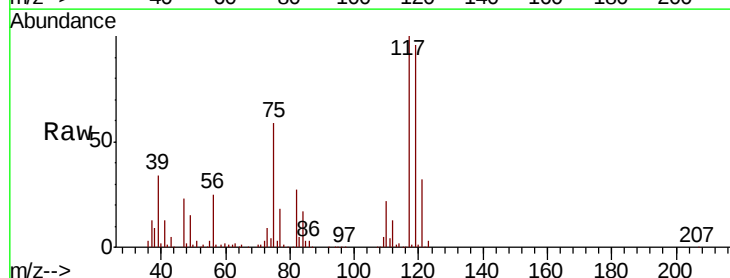
Instrument :
MSVOA_W
ClientSampleId :
BFB

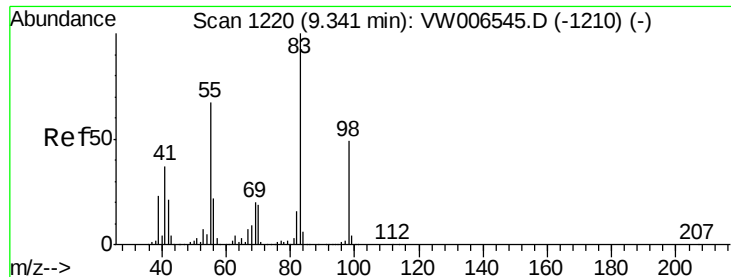
Tgt Ion: 43 Resp: 54730
Ion Ratio Lower Upper
43 100
61 15.4 12.1 18.1
70 11.2 9.8 14.6



#38
Carbon Tetrachloride
Concen: 55.277 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Tgt Ion: 117 Resp: 166025
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5
121 32.3 24.1 36.1

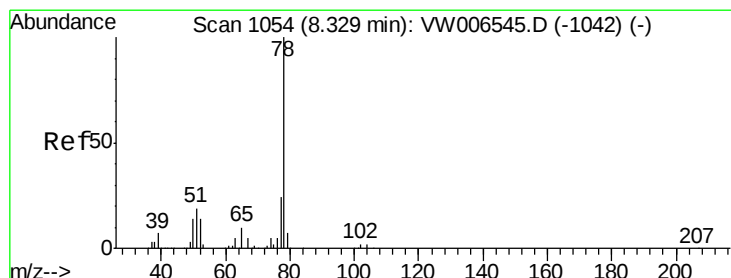
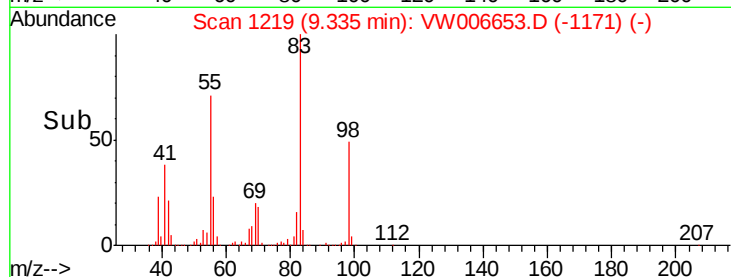
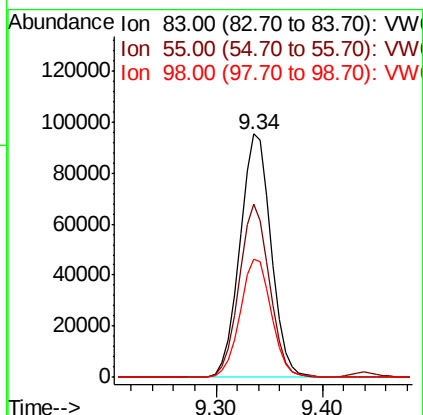
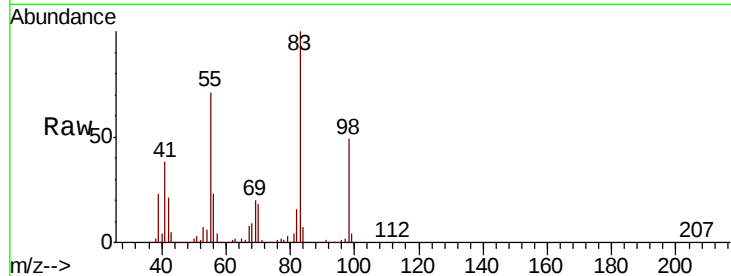




#39
Methylcyclohexane
Concen: 53.711 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

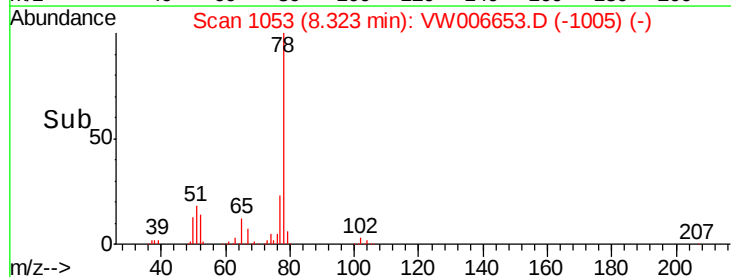
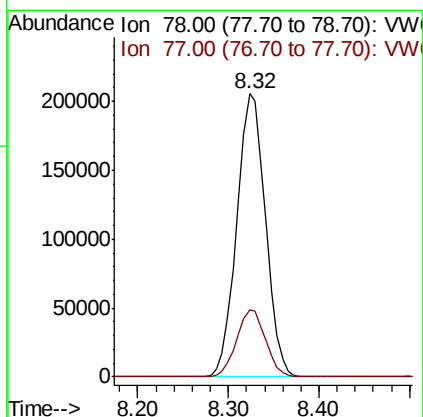
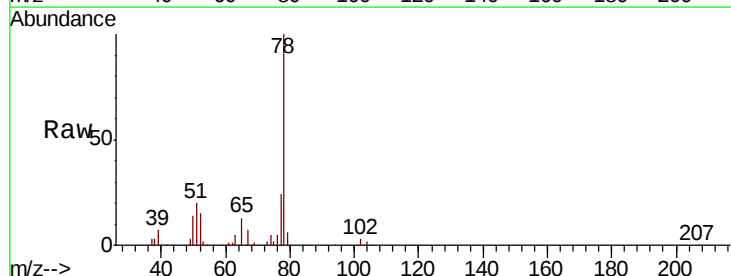
Instrument :
MSVOA_W
ClientSampled :
BFB

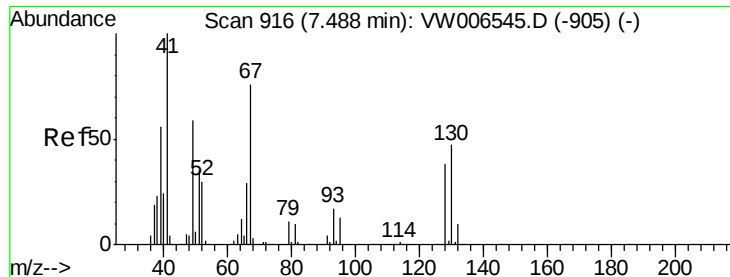
Tgt Ion: 83 Resp: 195922
Ion Ratio Lower Upper
83 100
55 71.0 53.7 80.5
98 48.7 39.2 58.8



#40
Benzene
Concen: 55.281 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Tgt Ion: 78 Resp: 451336
Ion Ratio Lower Upper
78 100
77 23.6 19.2 28.8

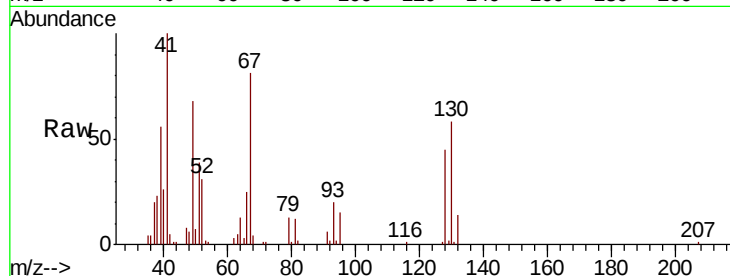




#41
Methacrylonitrile
Concen: 51.627 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion:	41	Resp:	31534
Ion	Ratio	Lower	Upper
41	100		
39	61.6	44.5	66.7
67	84.7	63.8	95.8
52	34.4	26.3	39.5



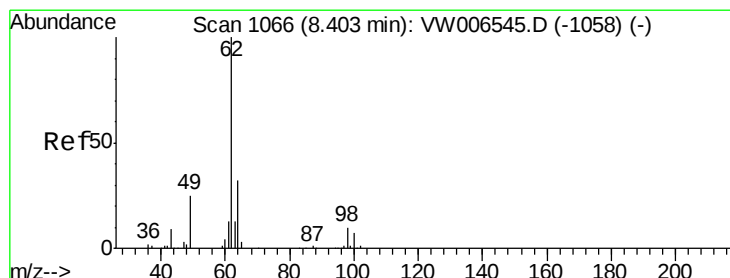
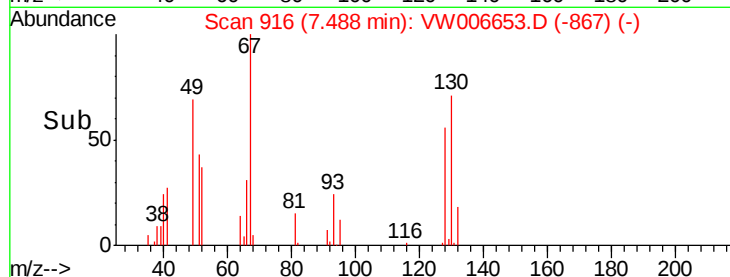
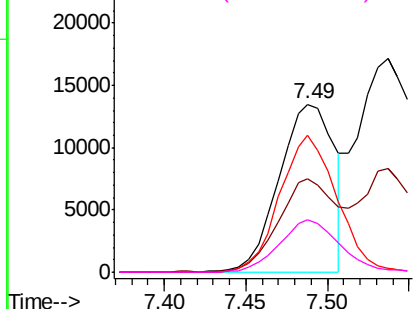
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

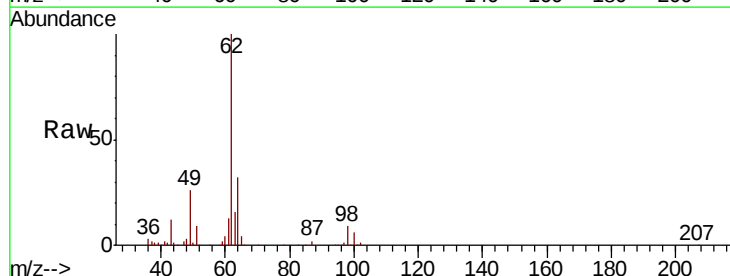
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 53.982 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

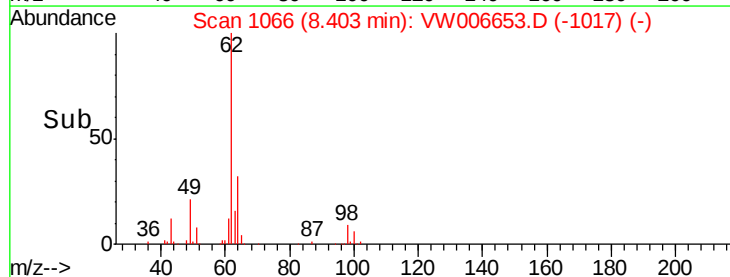
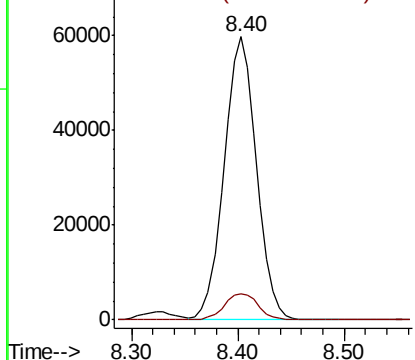
Tgt Ion:	62	Resp:	126394
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8

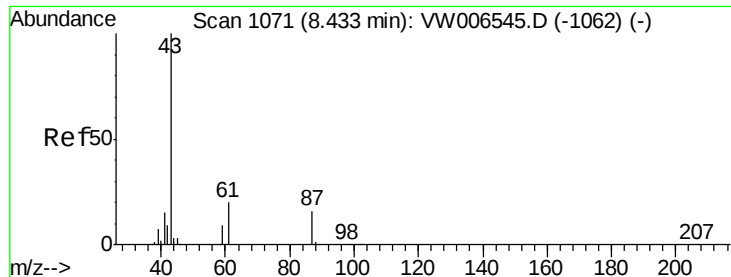


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 54.777 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

BFB

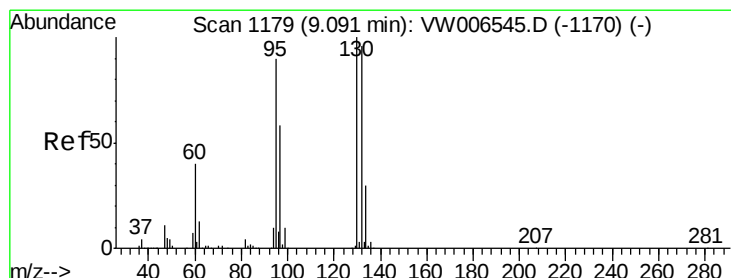
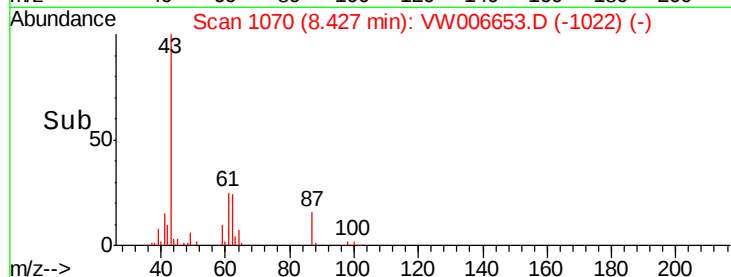
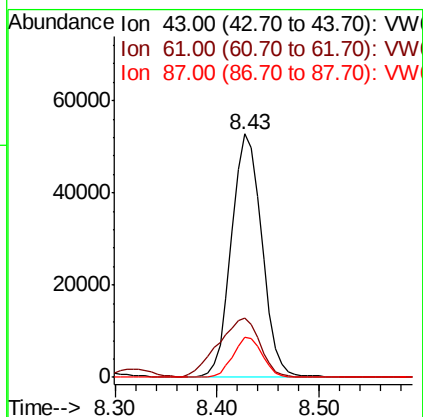
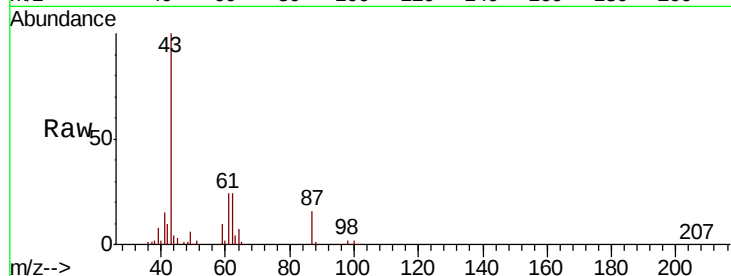
Tgt Ion: 43 Resp: 108880

Ion Ratio Lower Upper

43 100

61 33.5 27.2 40.8

87 15.8 12.9 19.3



#44

Trichloroethene

Concen: 54.135 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW006653.D

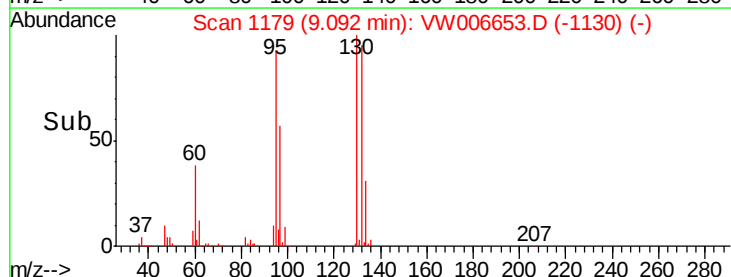
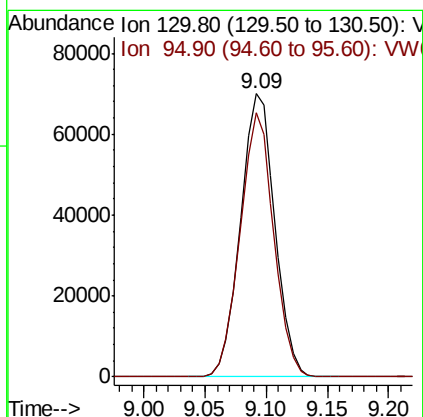
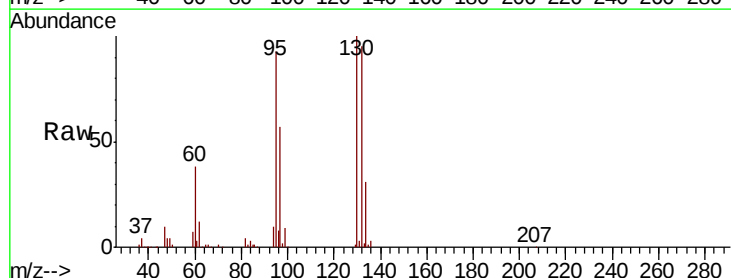
Acq: 05 Nov 2018 23:52

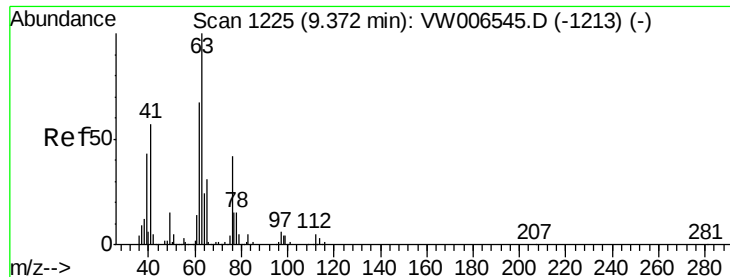
Tgt Ion: 130 Resp: 136388

Ion Ratio Lower Upper

130 100

95 93.1 0.0 179.2

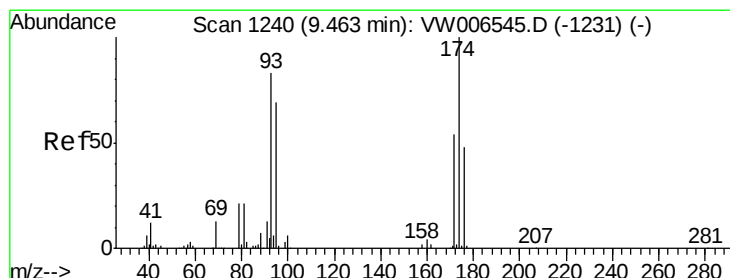
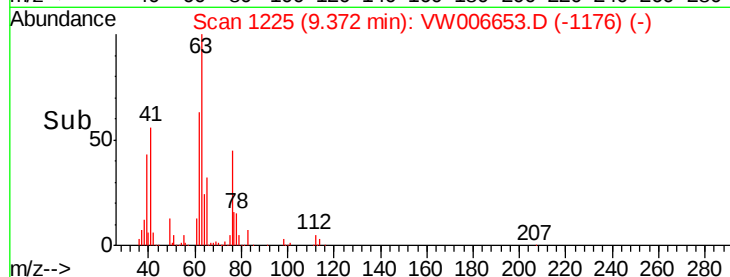
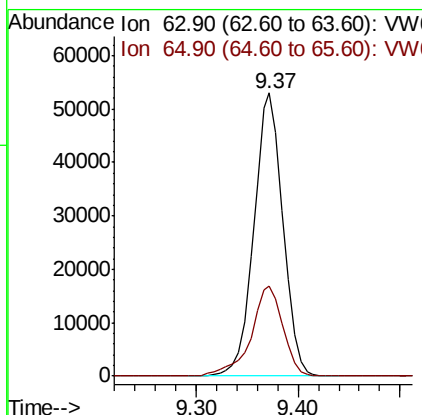
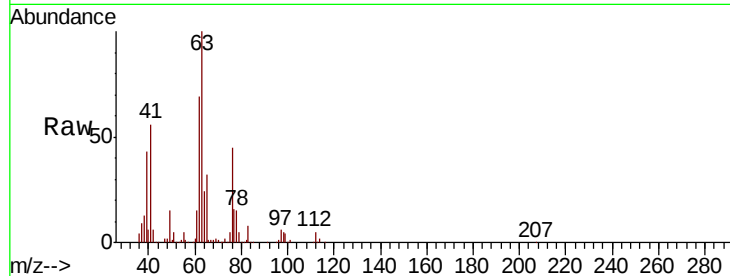




#45
 1,2-Dichloropropane
 Concen: 55.144 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

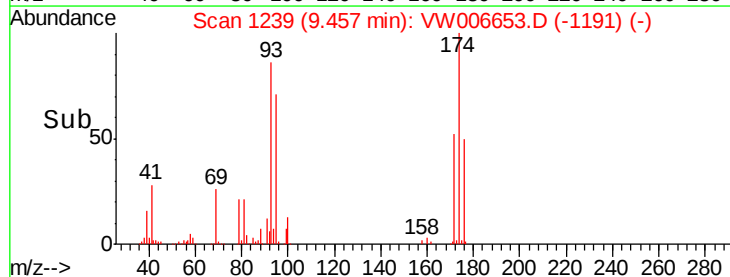
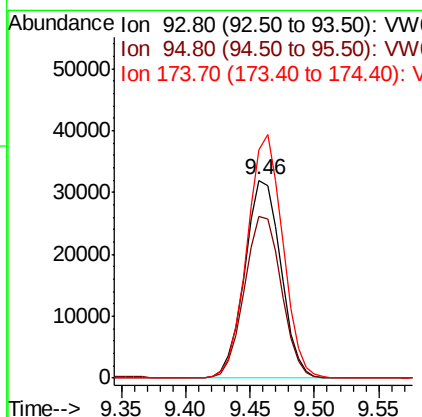
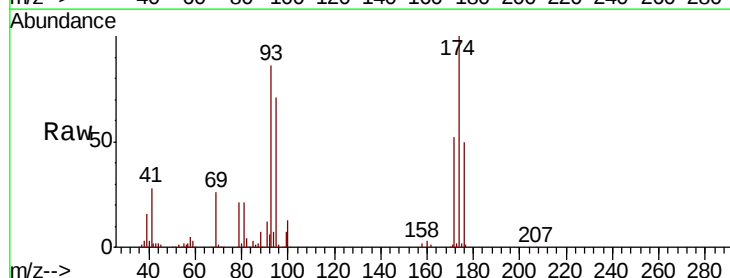
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

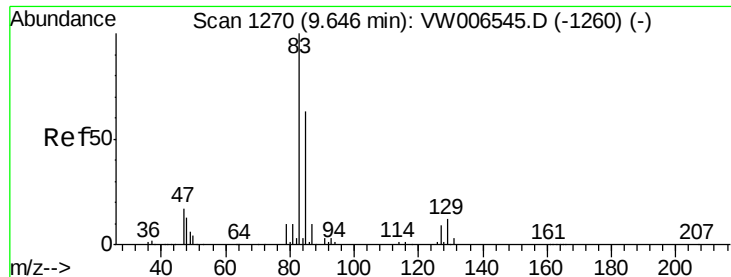
Tgt Ion: 63 Resp: 104774
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.1 37.7



#46
 Dibromomethane
 Concen: 55.619 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Tgt Ion: 93 Resp: 62120
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.2 100.8
 174 121.0 97.3 145.9

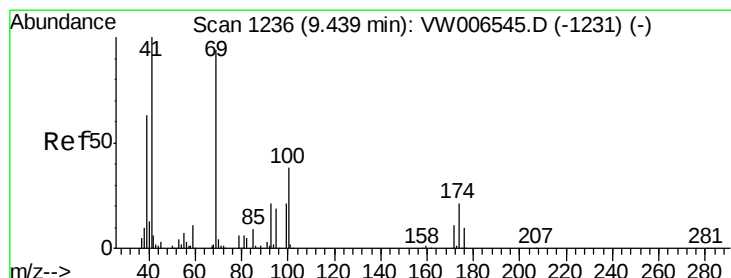
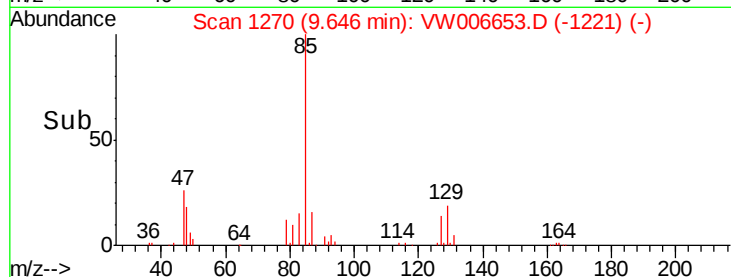
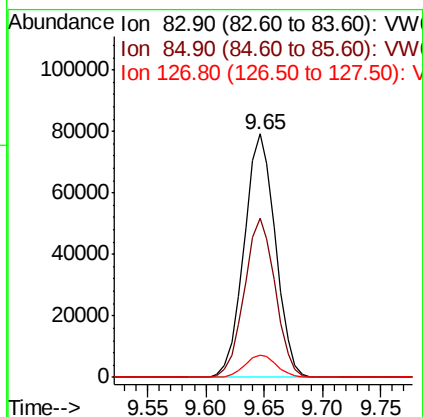
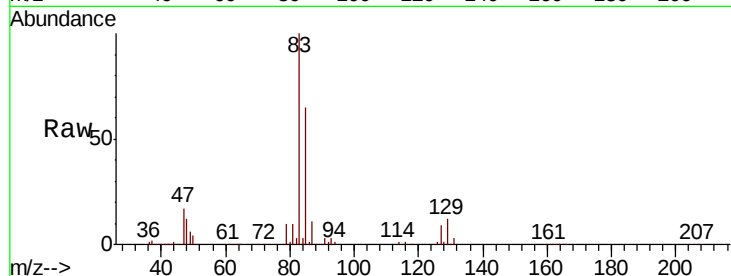




#47
Bromodichloromethane
Concen: 57.202 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

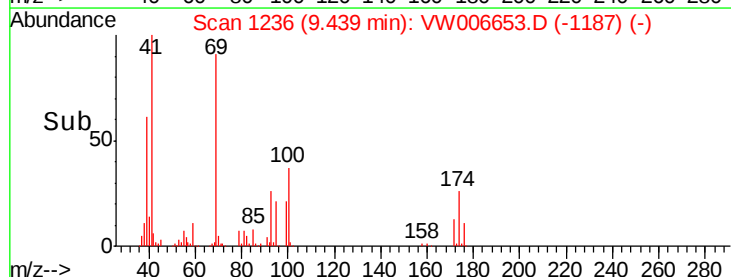
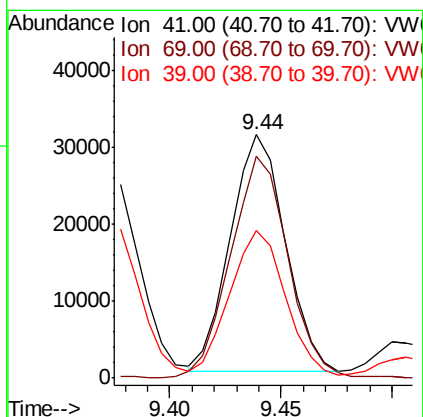
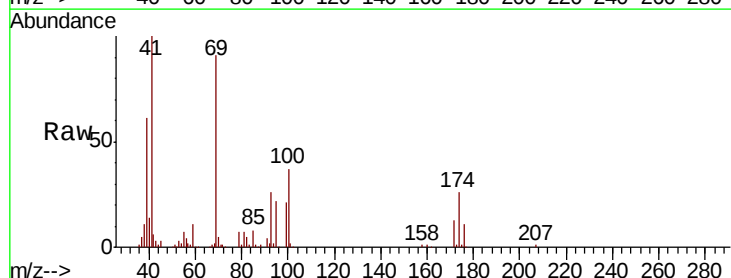
Instrument :
MSVOA_W
ClientSampled :
BFB

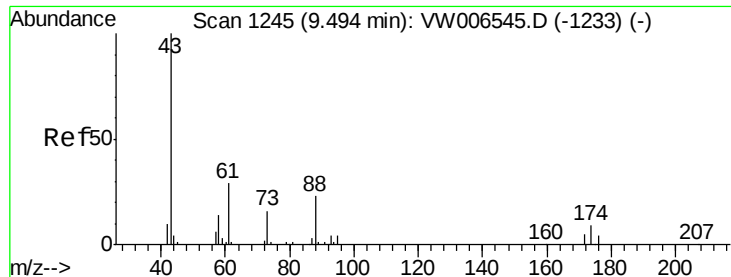
Tgt Ion: 83 Resp: 148343
Ion Ratio Lower Upper
83 100
85 65.4 50.6 75.8
127 9.1 7.5 11.3



#48
Methyl methacrylate
Concen: 55.202 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Tgt Ion: 41 Resp: 52865
Ion Ratio Lower Upper
41 100
69 98.6 77.8 116.8
39 63.8 48.7 73.1

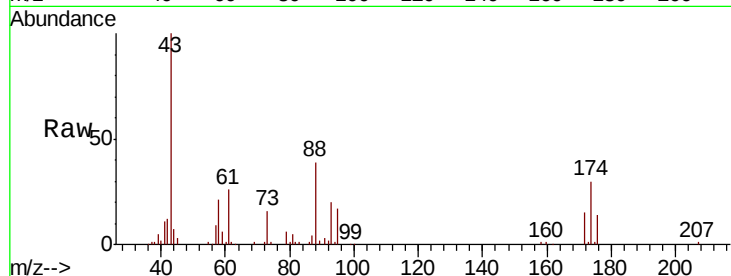




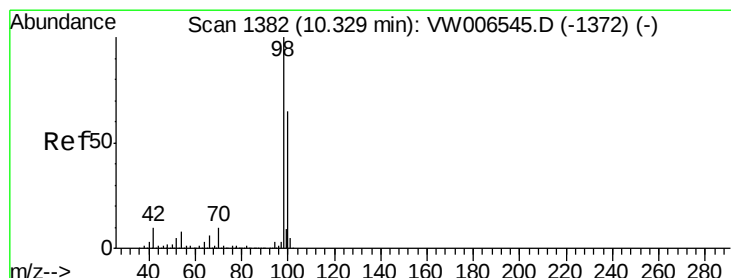
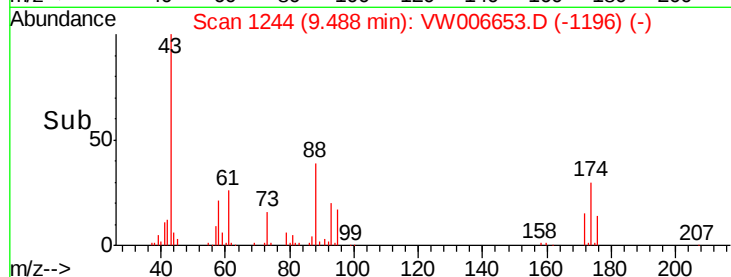
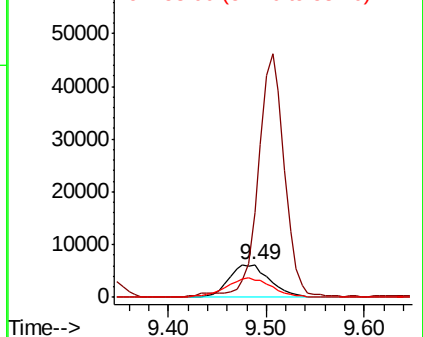
#49
1,4-Dioxane
Concen: 1108.988 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion: 88 Resp: 18127
Ion Ratio Lower Upper
88 100
43 0.0 356.6 534.8#
58 65.4 51.4 77.2

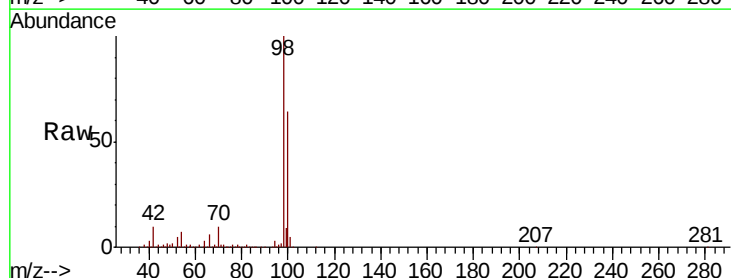


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

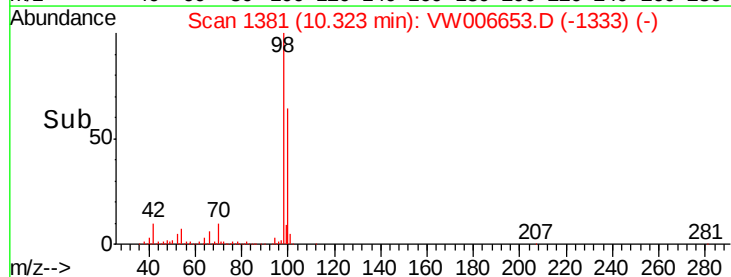
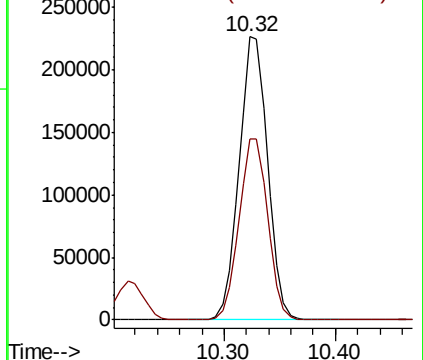


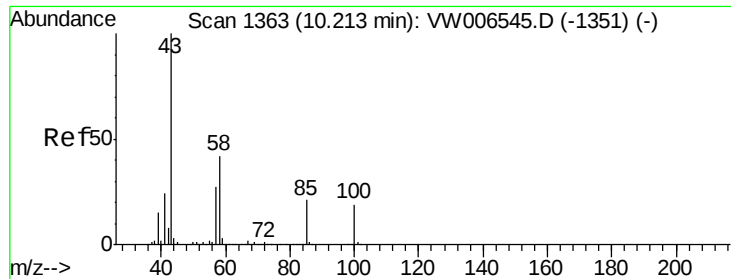
#50
Toluene-d8
Concen: 51.340 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Tgt Ion: 98 Resp: 400906
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

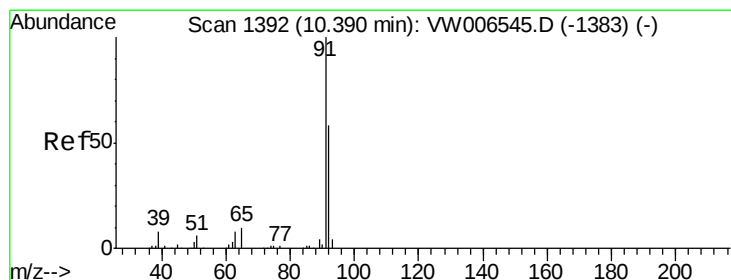
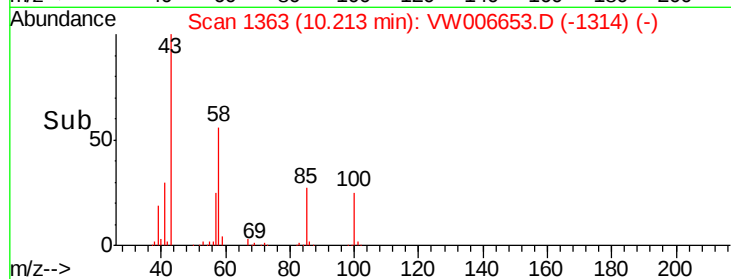
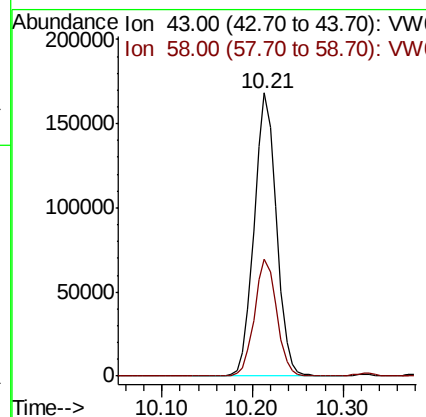
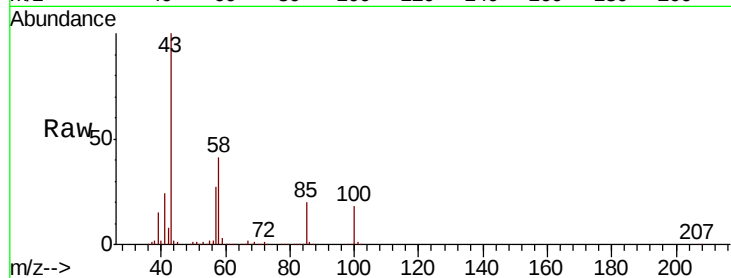




#51
 4-Methyl-2-Pentanone
 Concen: 279.986 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

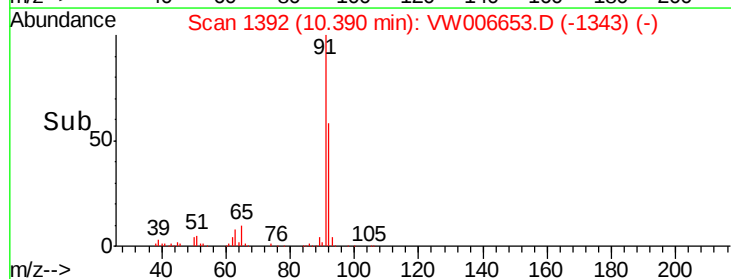
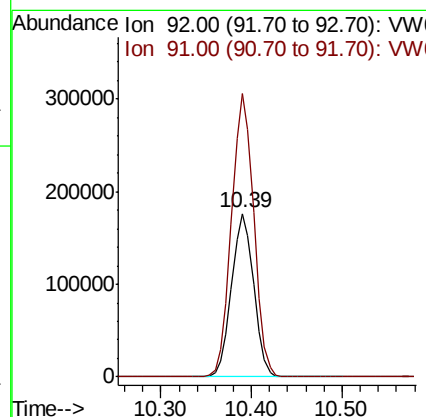
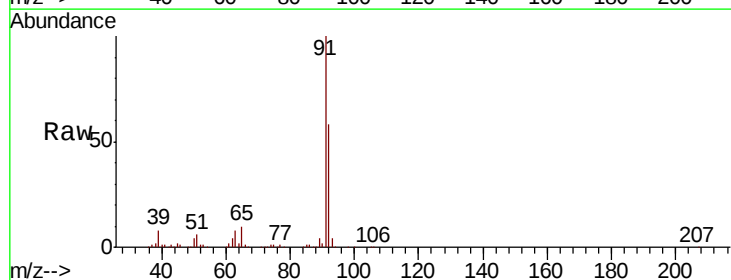
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

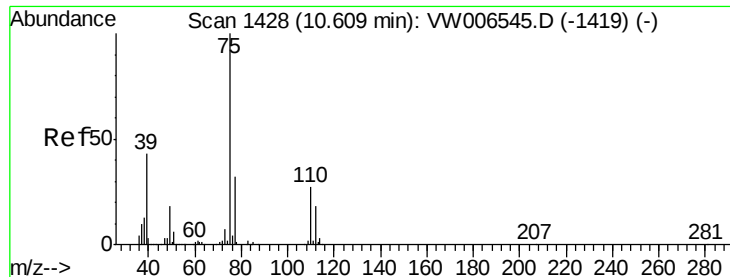
Tgt Ion: 43 Resp: 285825
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.4 50.0



#52
 Toluene
 Concen: 54.473 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Tgt Ion: 92 Resp: 298294
 Ion Ratio Lower Upper
 92 100
 91 174.3 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 57.044 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

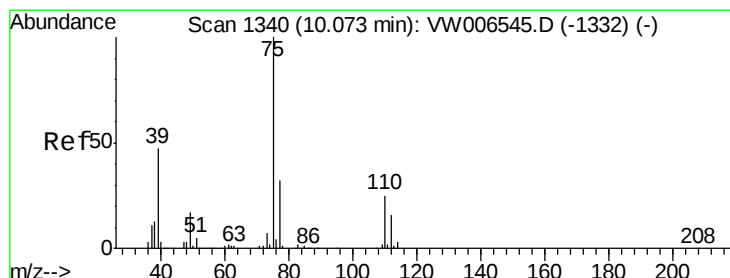
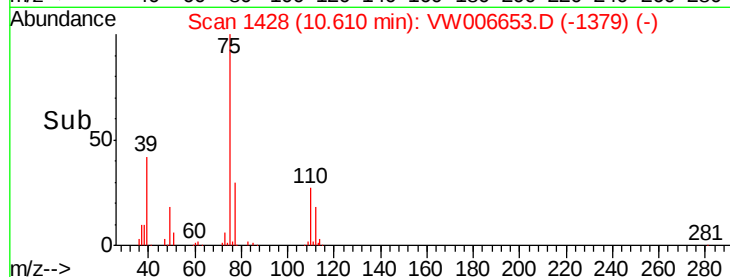
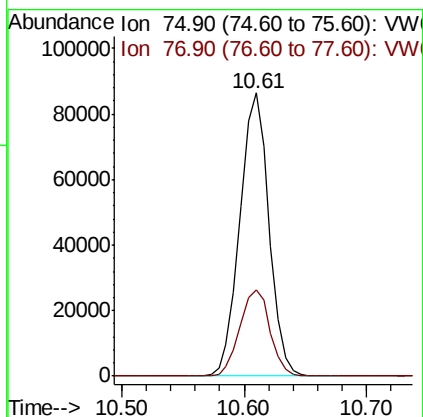
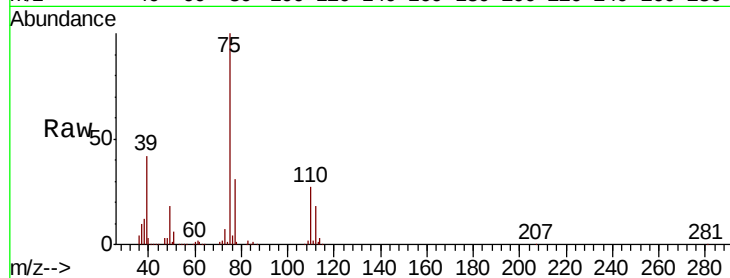
BFB

Tgt Ion: 75 Resp: 142374

Ion Ratio Lower Upper

75 100

77 30.6 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 56.334 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

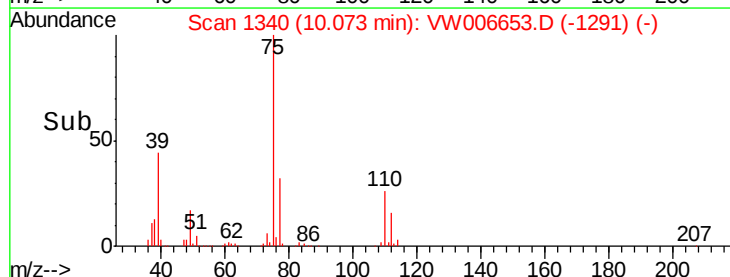
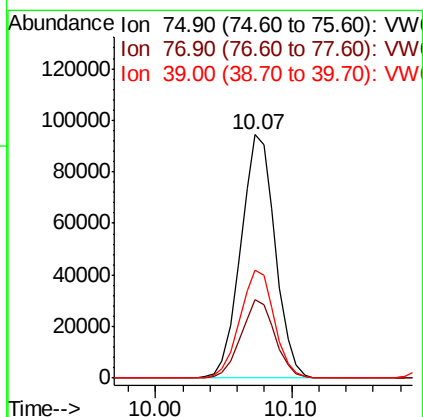
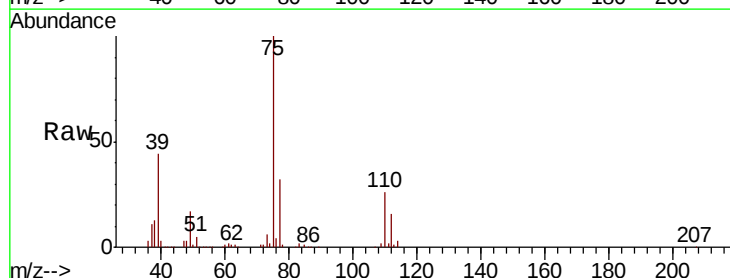
Tgt Ion: 75 Resp: 166149

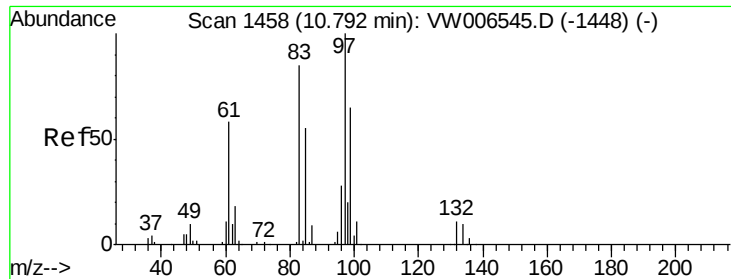
Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5

39 44.2 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 55.447 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 87868

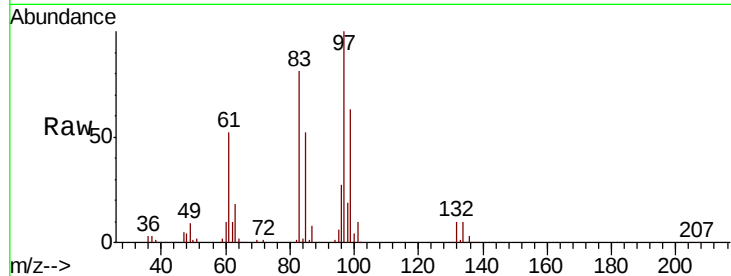
Ion Ratio Lower Upper

97 100

83 81.2 67.9 101.9

85 51.8 44.0 66.0

99 63.4 52.2 78.2



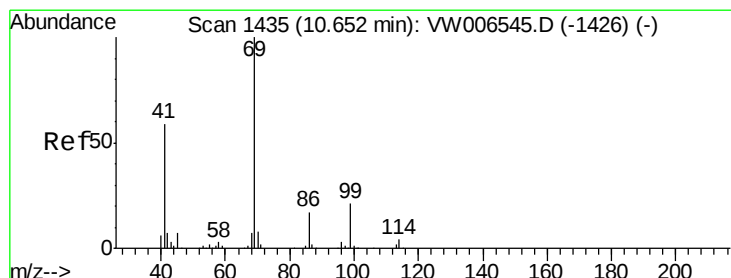
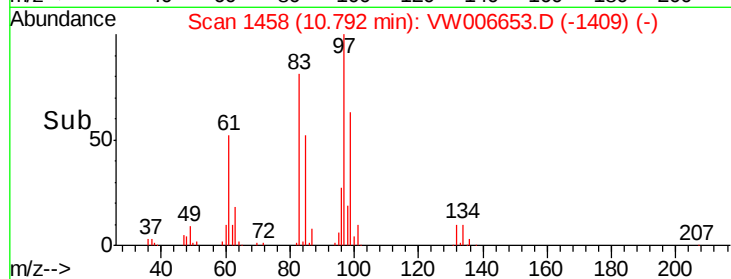
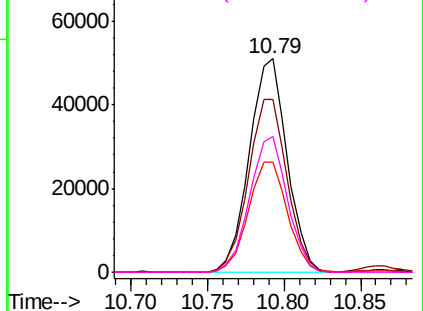
Abundance

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: 55.819 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

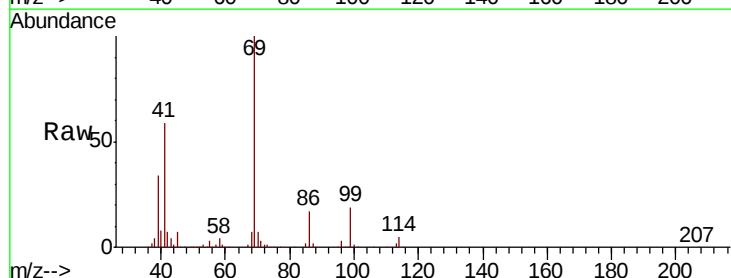
Tgt Ion: 69 Resp: 100540

Ion Ratio Lower Upper

69 100

41 61.2 47.4 71.2

39 34.3 25.3 37.9

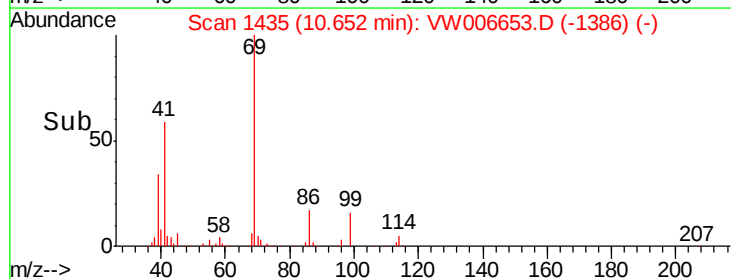
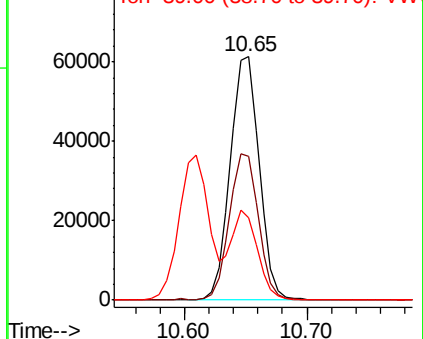


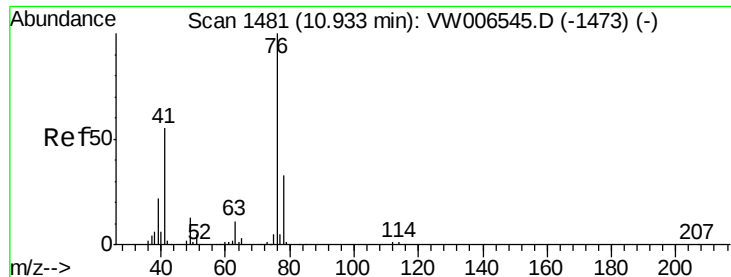
Abundance

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

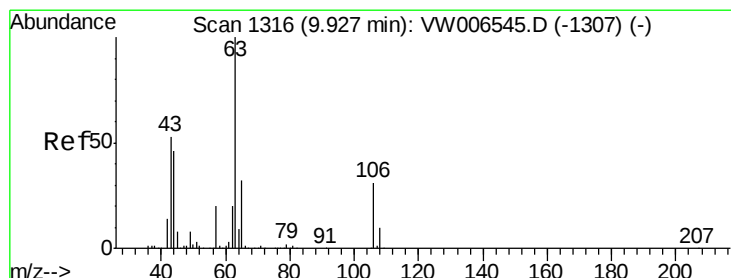
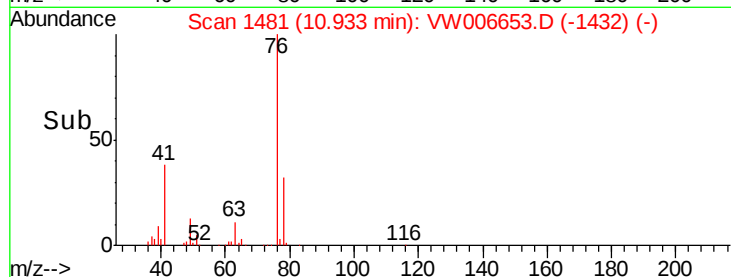
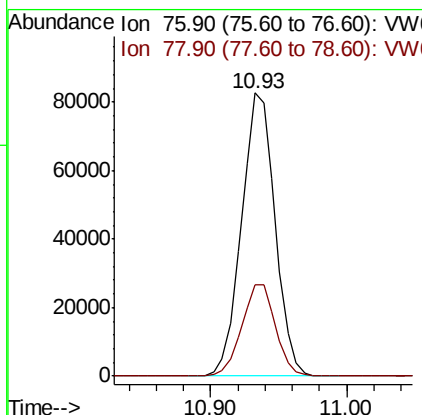
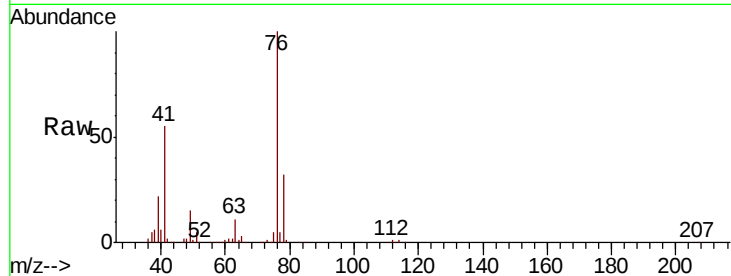




#57
 1,3-Dichloropropane
 Concen: 55.300 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

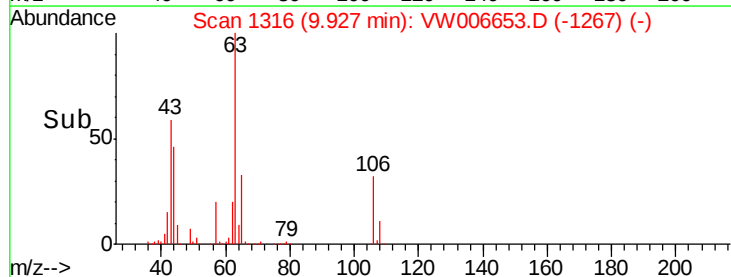
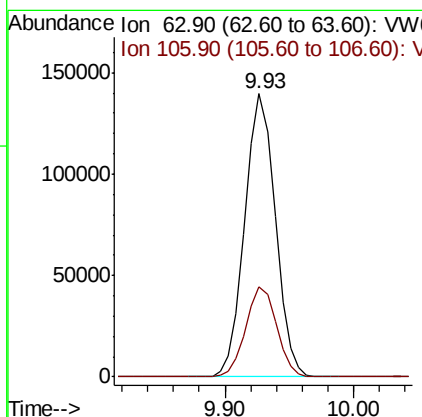
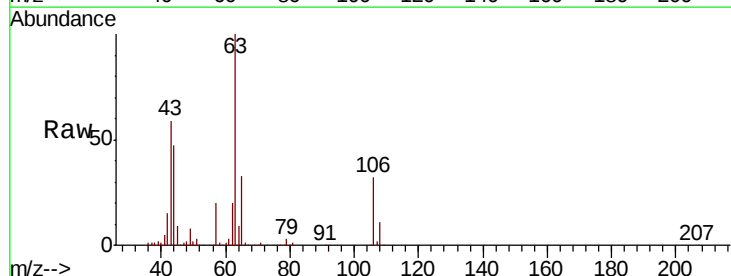
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

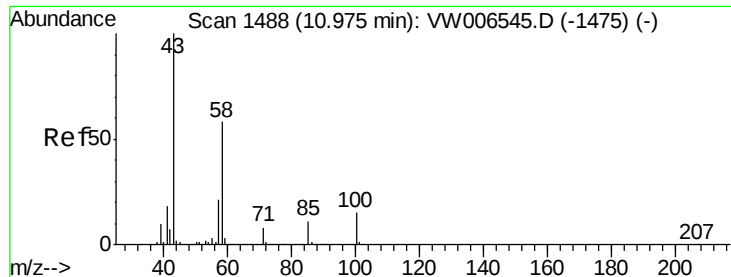
Tgt Ion: 76 Resp: 142302
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.295 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Tgt Ion: 63 Resp: 229657
 Ion Ratio Lower Upper
 63 100
 106 32.0 25.4 38.2

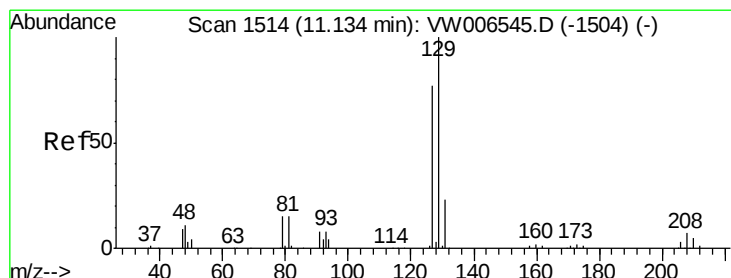
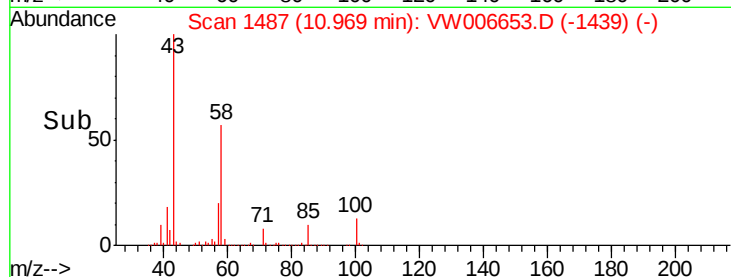
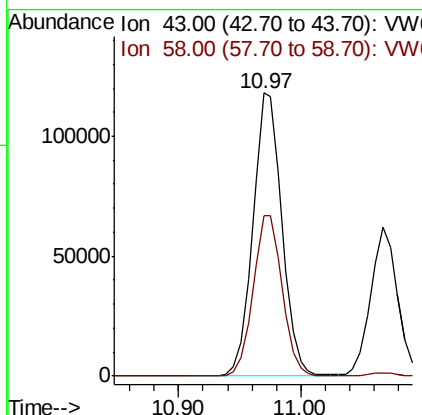
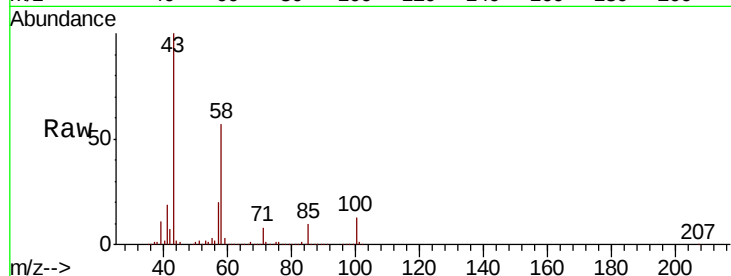




#59
2-Hexanone
Concen: 281.753 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

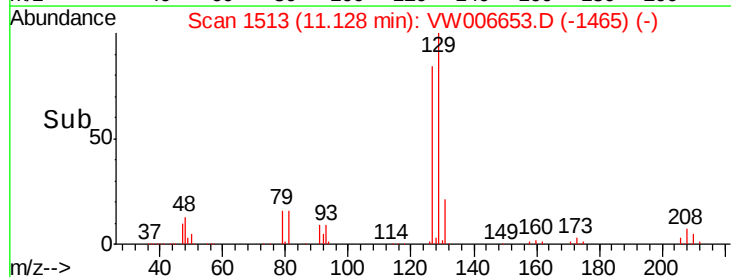
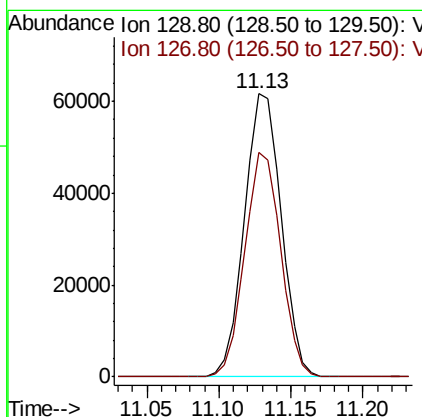
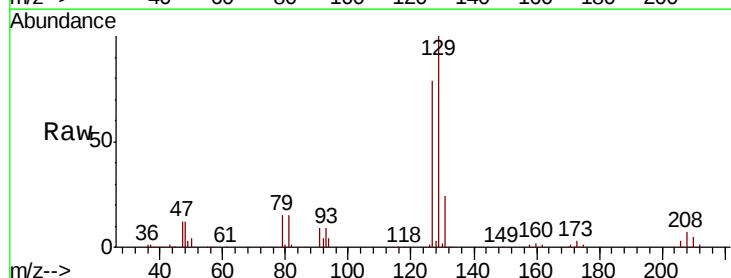
Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion: 43 Resp: 195355
Ion Ratio Lower Upper
43 100
58 56.9 28.8 86.4



#60
Dibromochloromethane
Concen: 58.116 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Tgt Ion: 129 Resp: 109118
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.3

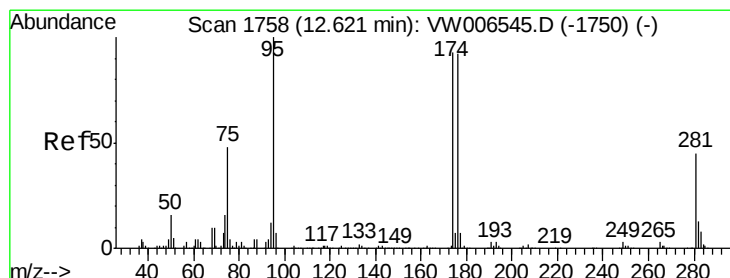
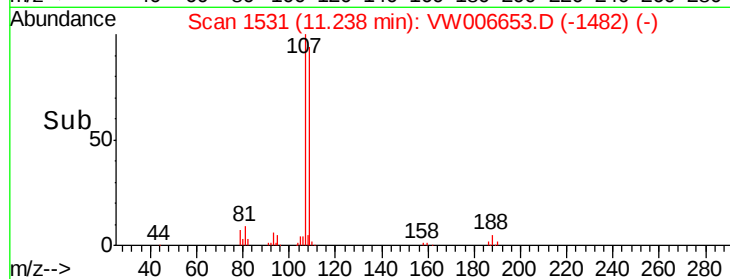
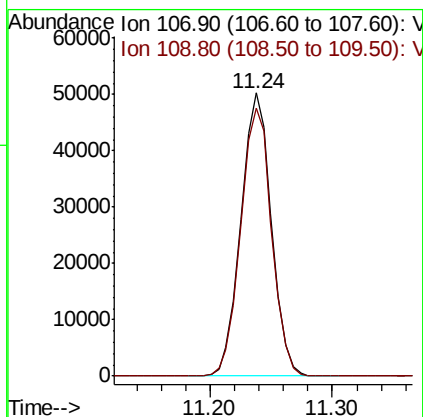
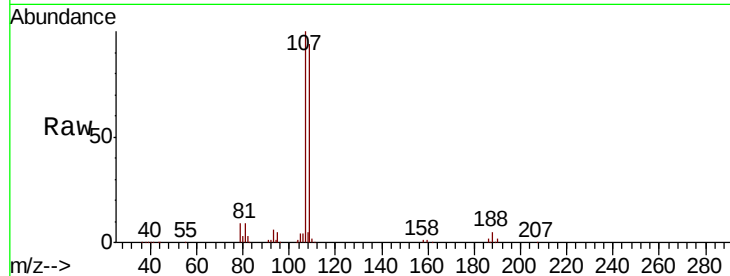




#61
 1,2-Dibromoethane
 Concen: 55.013 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

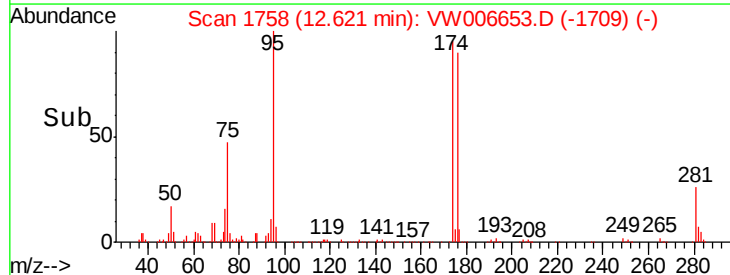
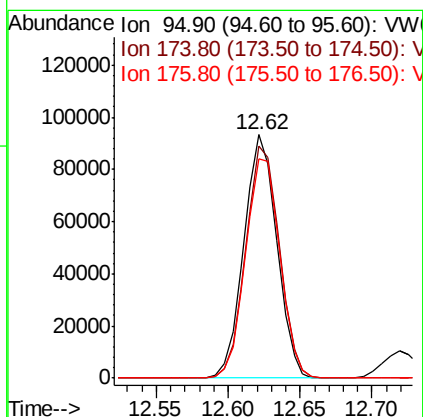
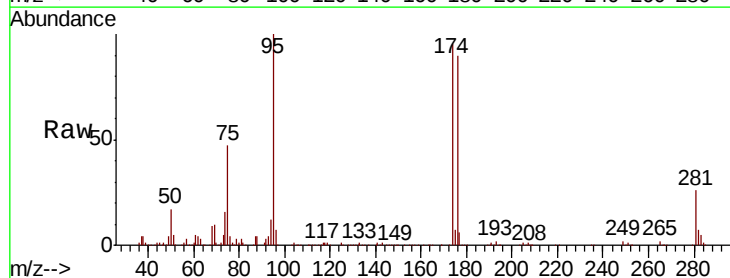
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

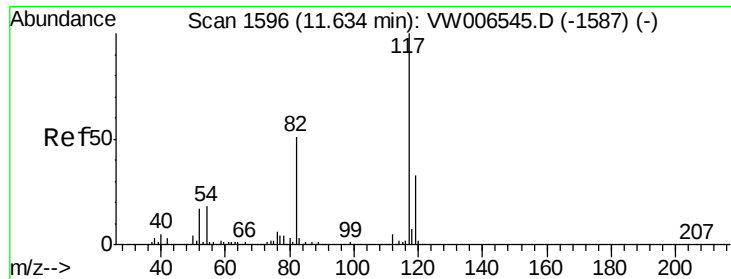
Tgt Ion: 107 Resp: 86574
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 51.962 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Tgt Ion: 95 Resp: 147107
 Ion Ratio Lower Upper
 95 100
 174 97.6 0.0 192.4
 176 94.2 0.0 187.4

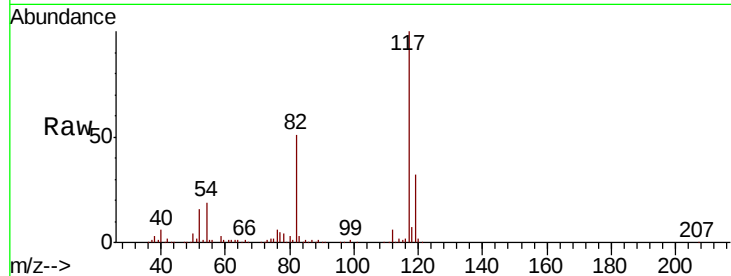




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.6	40.8	61.2
119	31.9	26.1	39.1

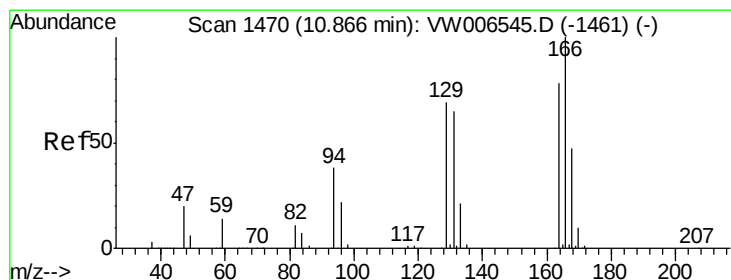
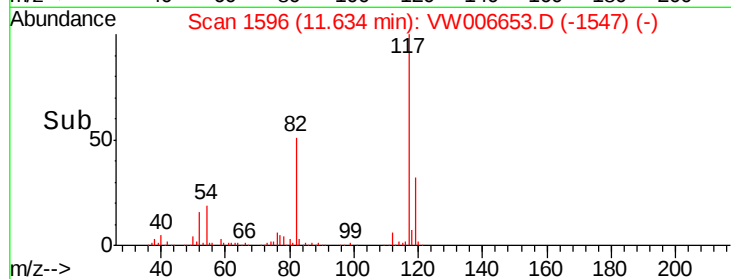
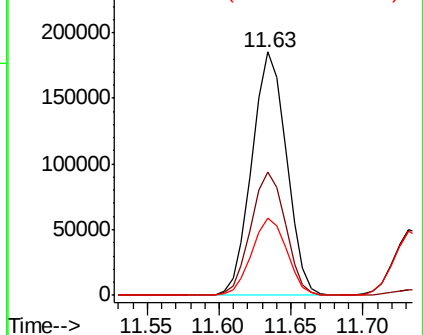


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.689 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.8	154.2
129	88.7	70.9	106.3
131	85.9	67.0	100.6

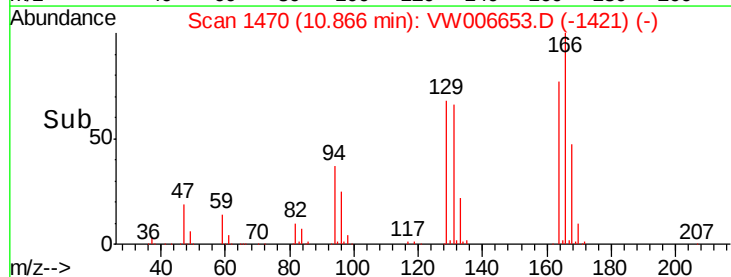
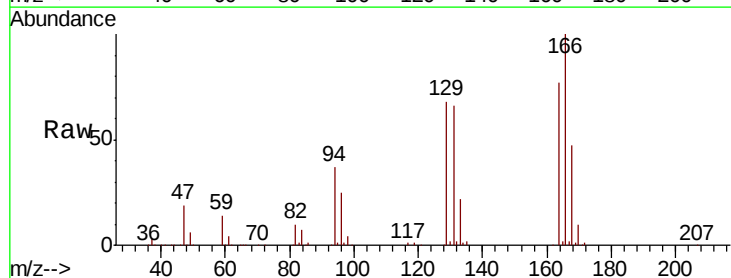
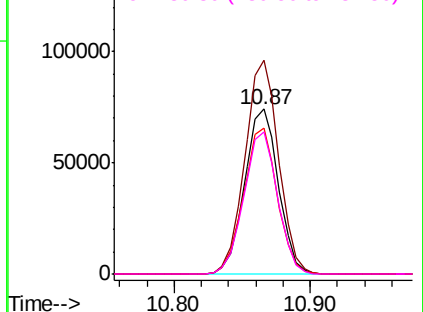
Abundance

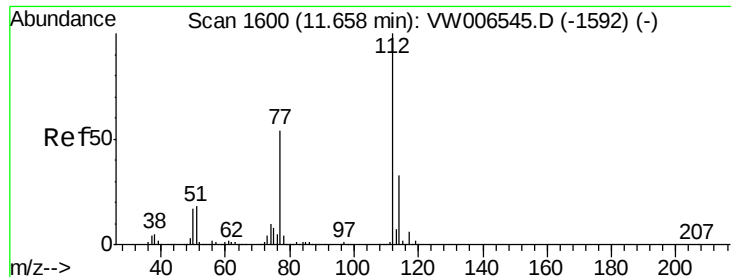
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

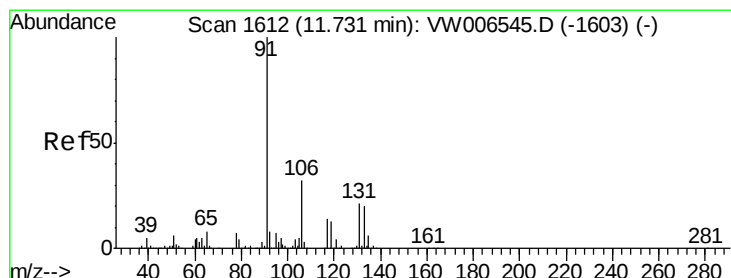
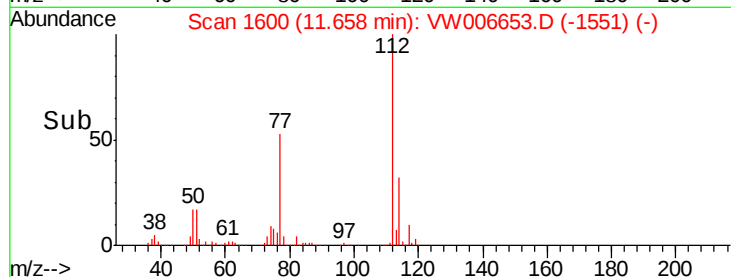
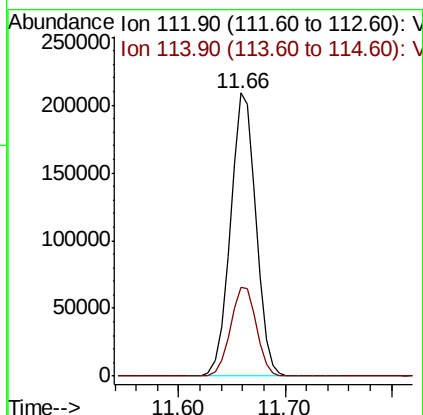
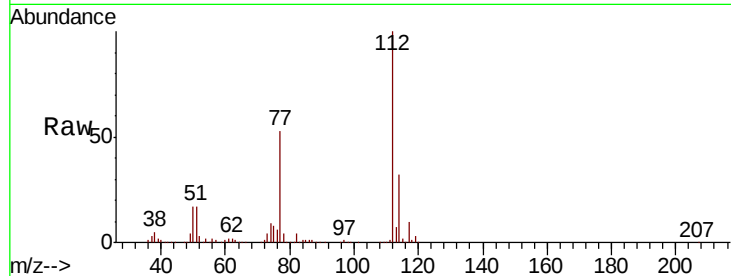




#65
Chlorobenzene
Concen: 53.993 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

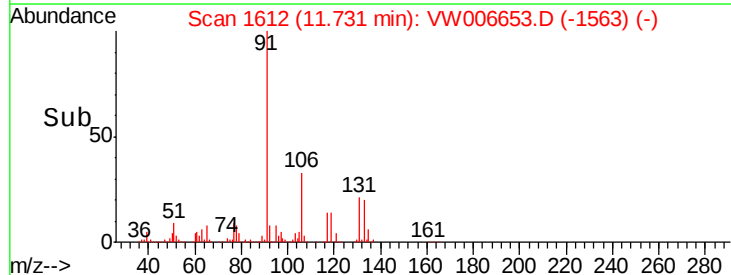
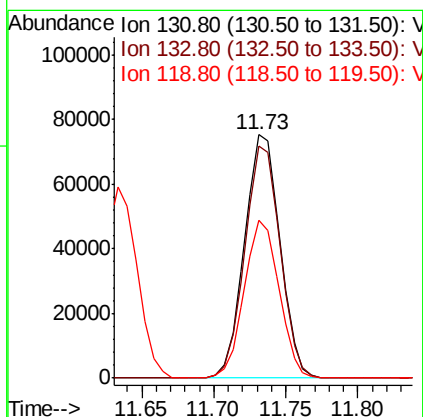
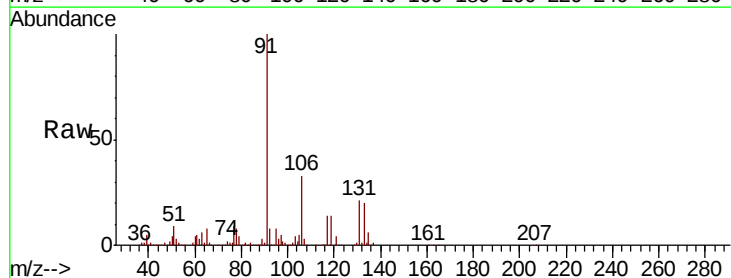
Instrument :
MSVOA_W
ClientSampled :
BFB

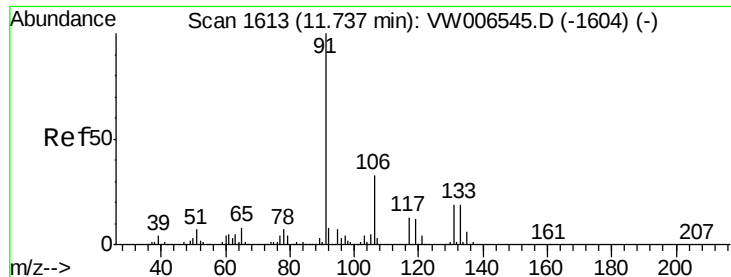
Tgt Ion:112 Resp: 349606
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 56.229 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Tgt Ion:131 Resp: 127969
Ion Ratio Lower Upper
131 100
133 95.2 47.5 142.5
119 63.7 31.9 95.5

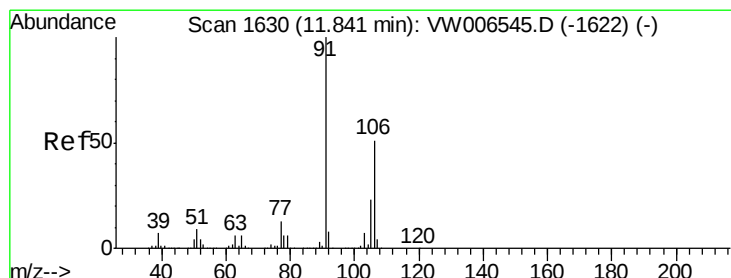
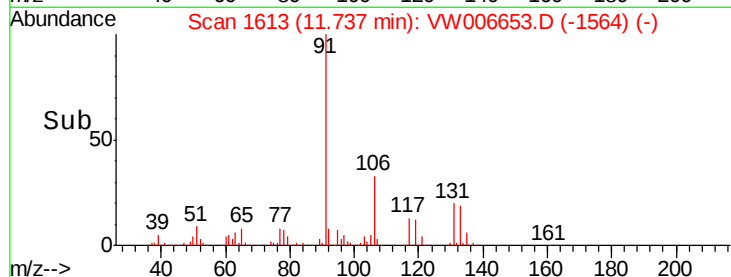
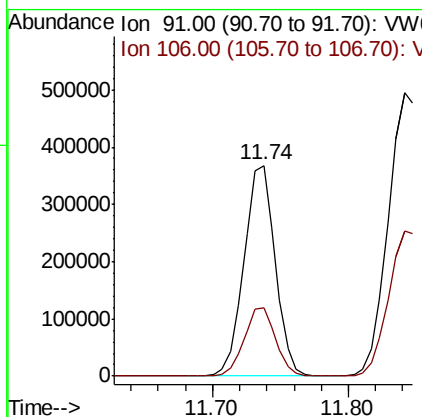
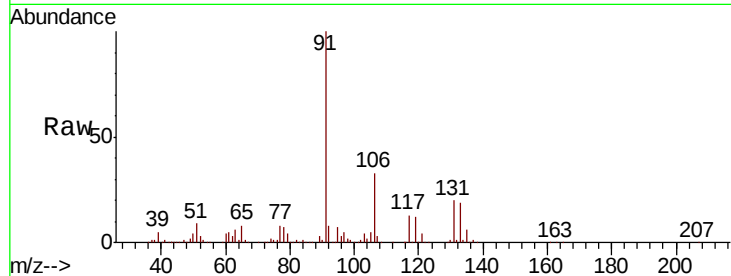




#67
Ethyl Benzene
Concen: 54.555 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

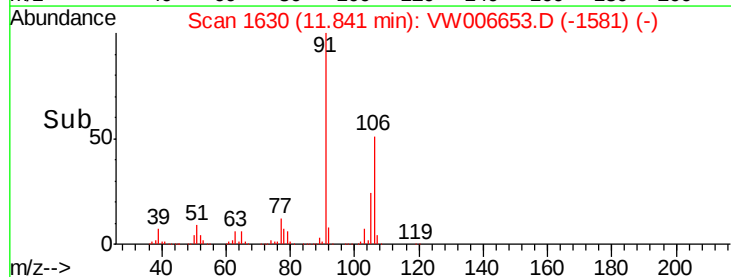
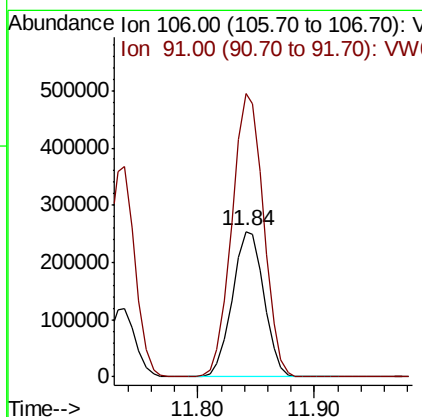
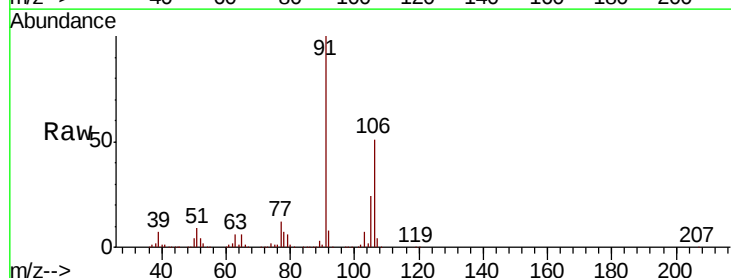
Instrument :
MSVOA_W
ClientSampled :
BFB

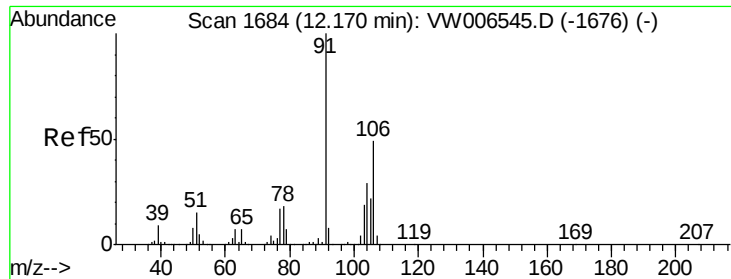
Tgt Ion: 91 Resp: 590433
Ion Ratio Lower Upper
91 100
106 32.5 26.3 39.5



#68
m/p-Xylenes
Concen: 110.920 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Tgt Ion: 106 Resp: 479608
Ion Ratio Lower Upper
106 100
91 194.7 156.7 235.1

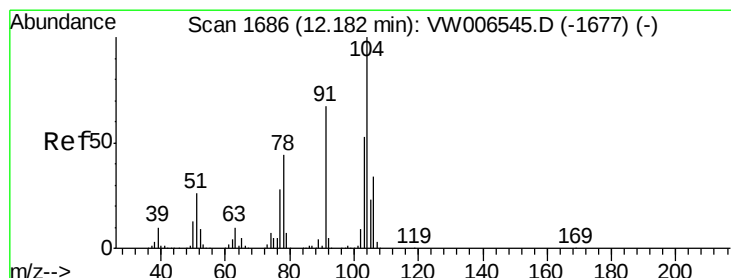
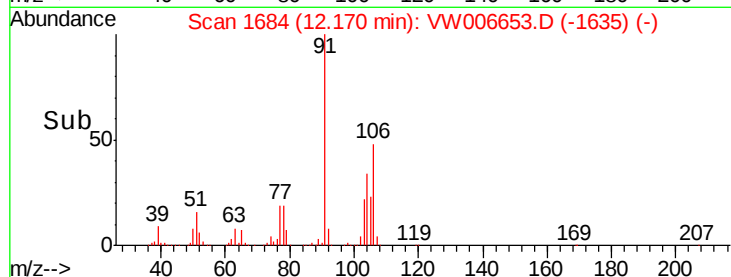
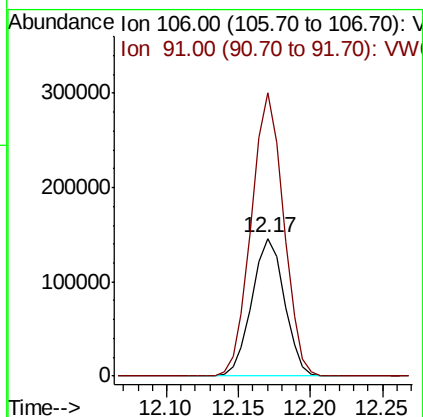
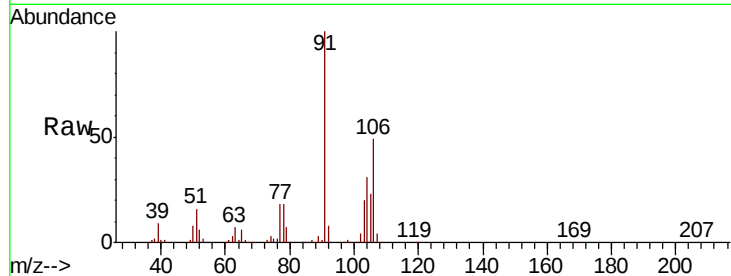




#69
o-Xylene
Concen: 55.663 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

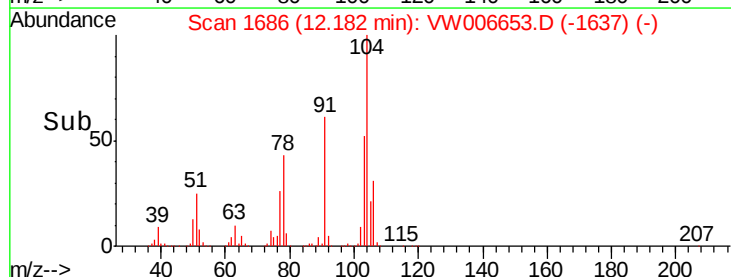
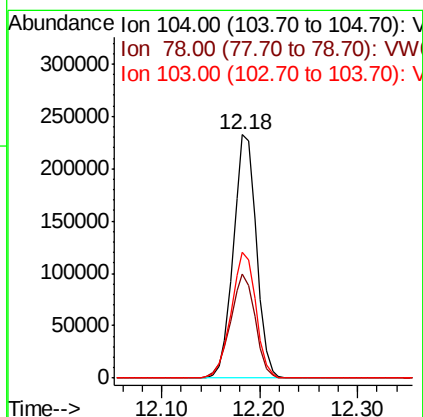
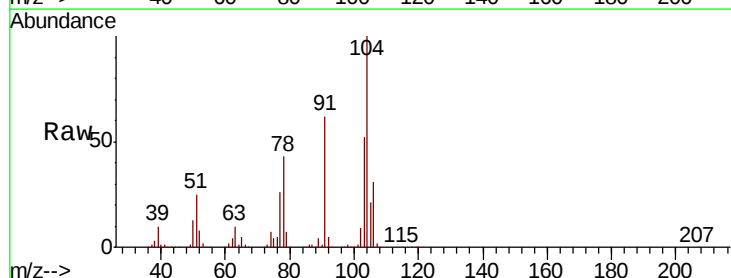
Instrument :
MSVOA_W
ClientSampleId :
BFB

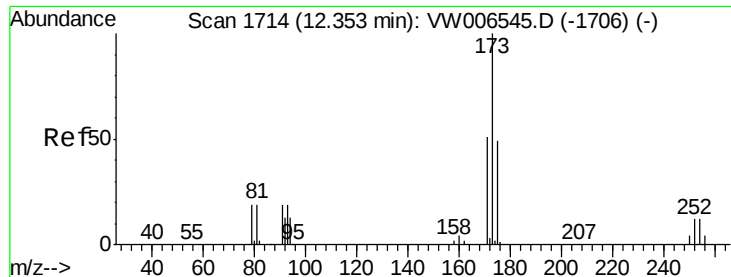
Tgt Ion:106 Resp: 229133
Ion Ratio Lower Upper
106 100
91 203.5 102.8 308.4



#70
Styrene
Concen: 56.453 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Tgt Ion:104 Resp: 378870
Ion Ratio Lower Upper
104 100
78 45.9 37.2 55.8
103 55.2 44.2 66.2





#71

Bromoform

Concen: 58.651 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampled :

BFB

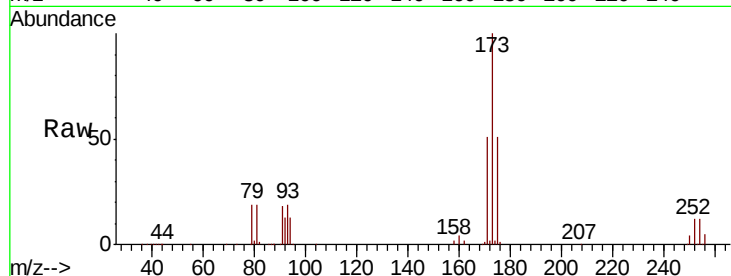
Tgt Ion:173 Resp: 70756

Ion Ratio Lower Upper

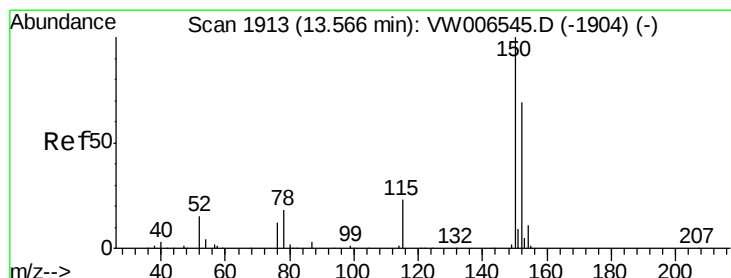
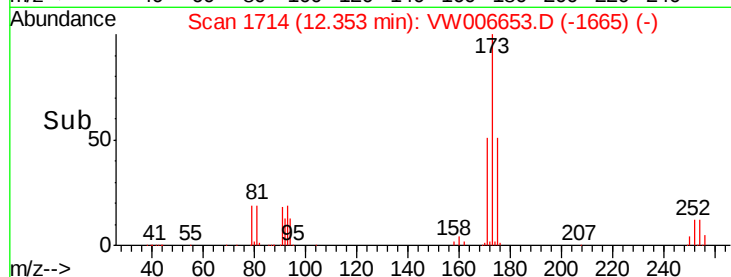
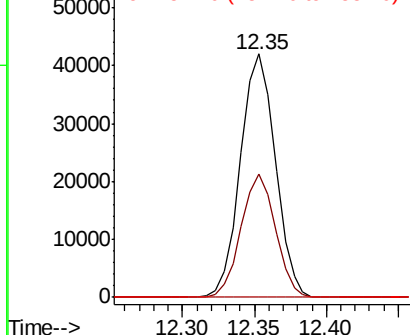
173 100

175 49.7 24.1 72.4

254 0.1 0.1 0.1#



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: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

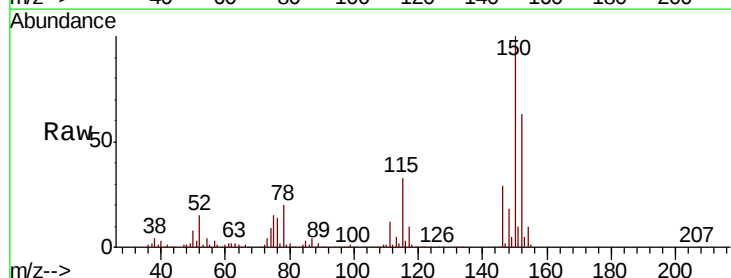
Tgt Ion:152 Resp: 180573

Ion Ratio Lower Upper

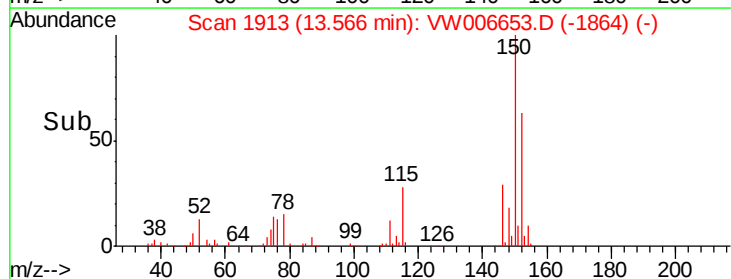
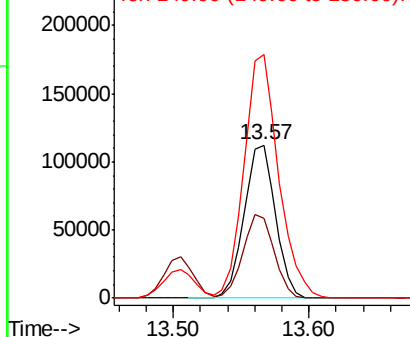
152 100

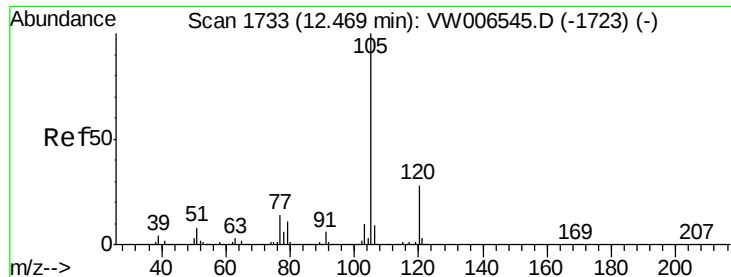
115 54.7 26.6 79.8

150 175.8 0.0 344.6



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: 52.466 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

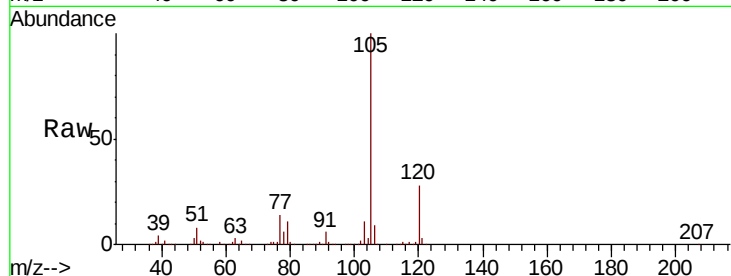
BFB

Tgt Ion: 105 Resp: 624094

Ion Ratio Lower Upper

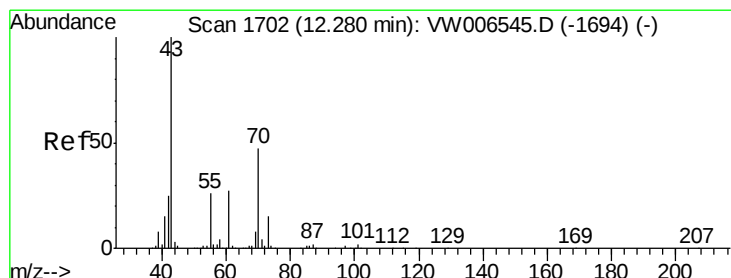
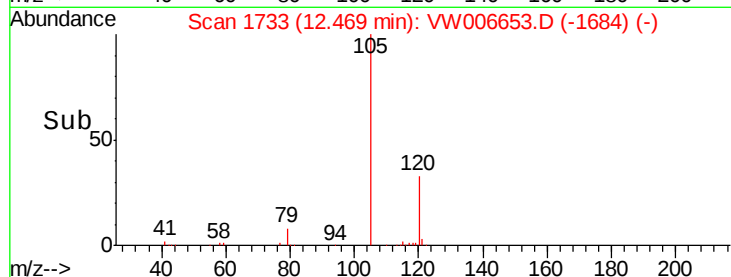
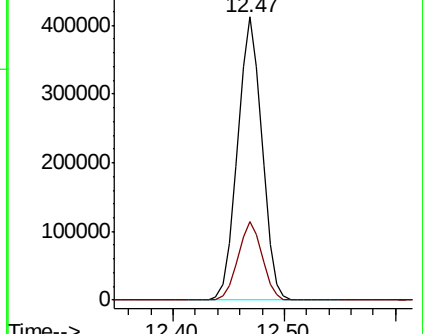
105 100

120 27.6 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.282 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Tgt Ion: 43 Resp: 109522

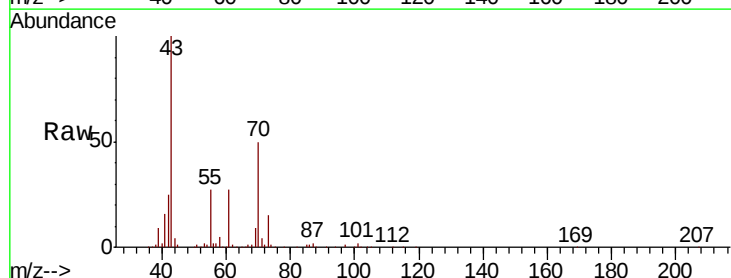
Ion Ratio Lower Upper

43 100

70 48.1 36.9 55.3

55 27.8 20.7 31.1

61 25.9 20.7 31.1

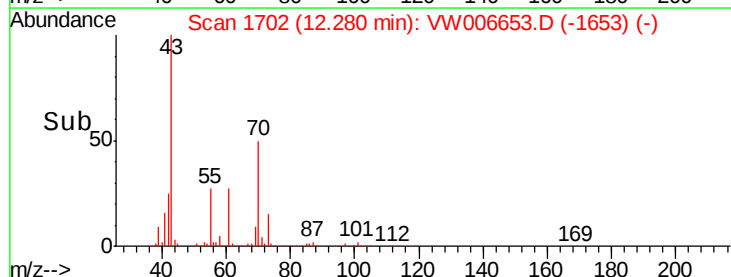
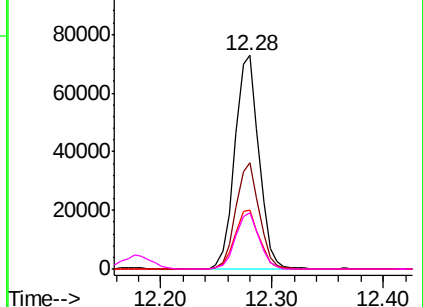


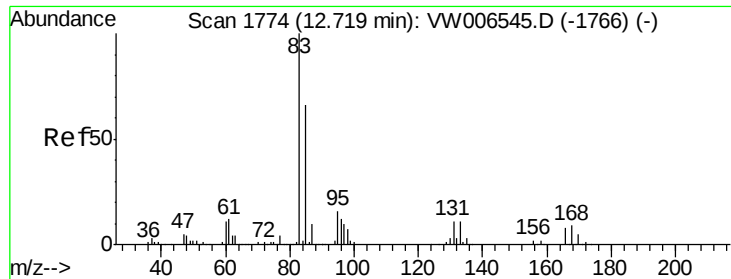
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 54.066 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampled :

BFB

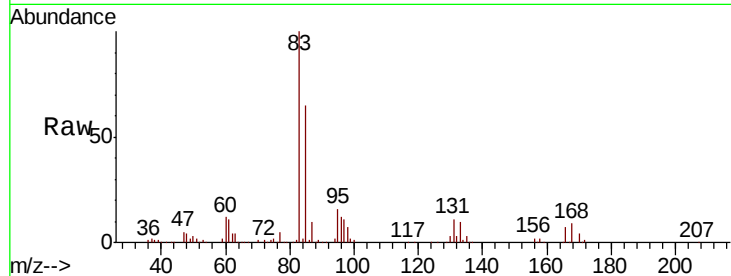
Tgt Ion: 83 Resp: 101577

Ion Ratio Lower Upper

83 100

131 11.9 5.9 17.7

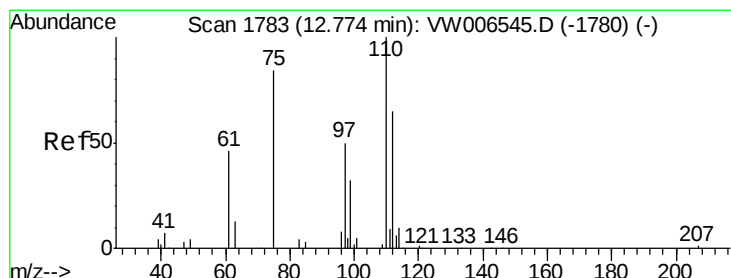
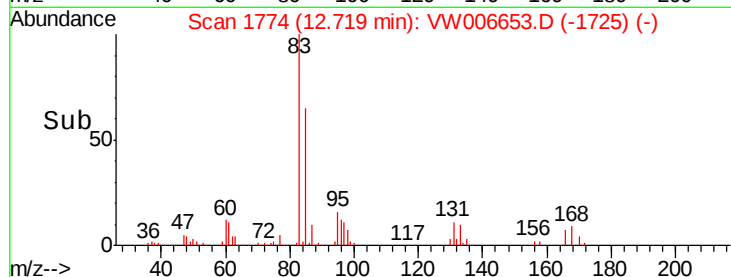
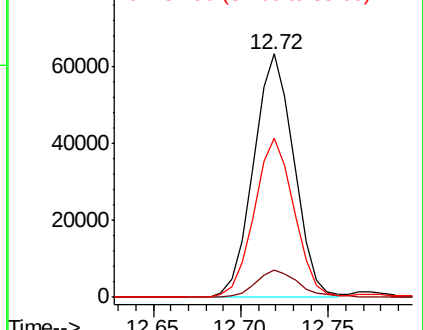
85 64.8 32.3 96.8



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: 90.373 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006653.D

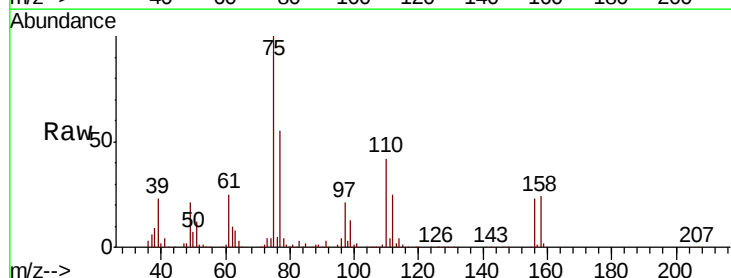
Acq: 05 Nov 2018 23:52

Tgt Ion: 75 Resp: 127325

Ion Ratio Lower Upper

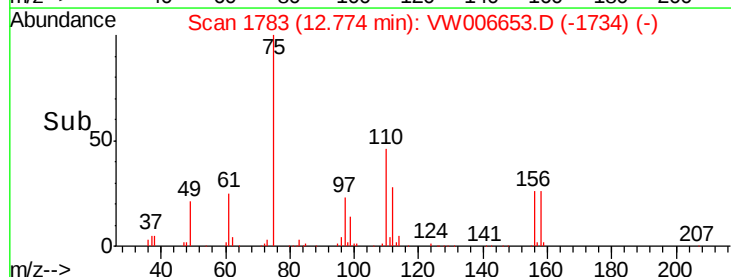
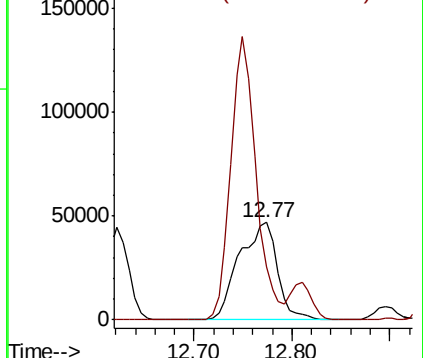
75 100

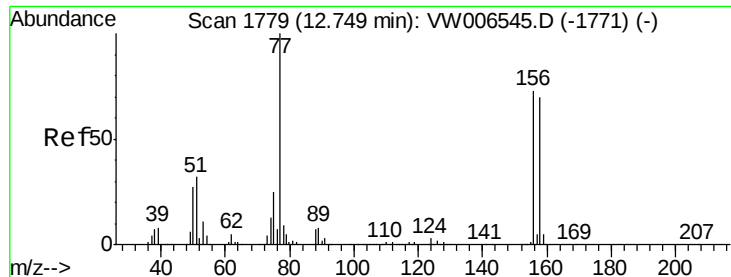
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.788 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampled :

BFB

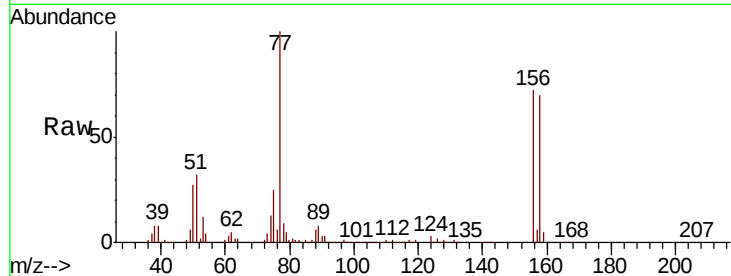
Tgt Ion:156 Resp: 162578

Ion Ratio Lower Upper

156 100

77 151.8 75.9 227.8

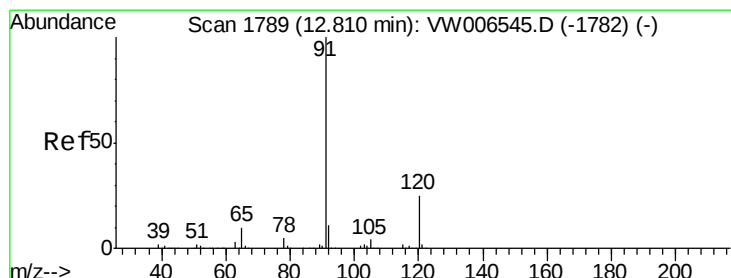
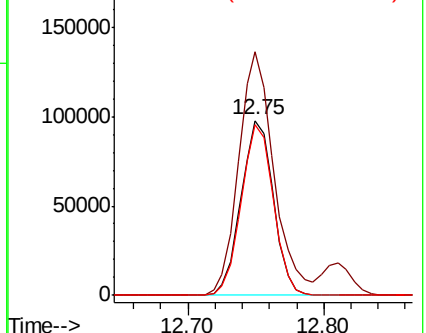
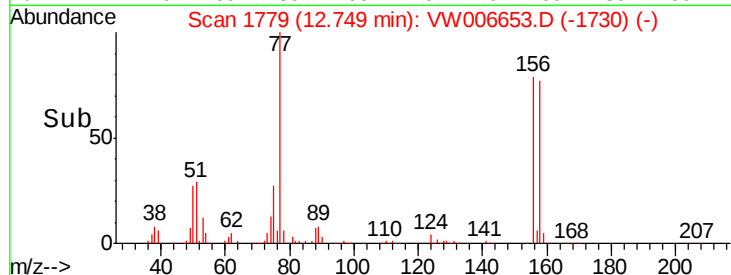
158 97.2 48.6 145.9



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: 53.742 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006653.D

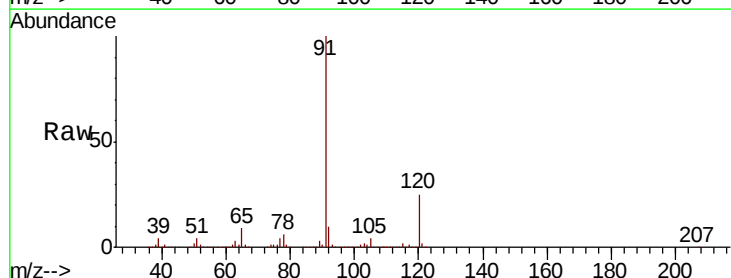
Acq: 05 Nov 2018 23:52

Tgt Ion: 91 Resp: 735300

Ion Ratio Lower Upper

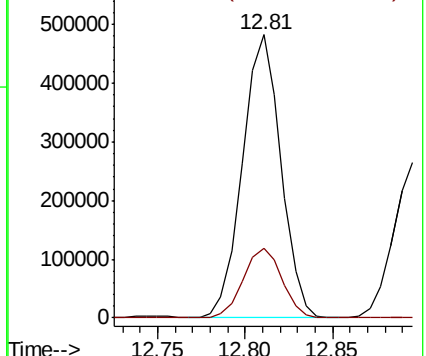
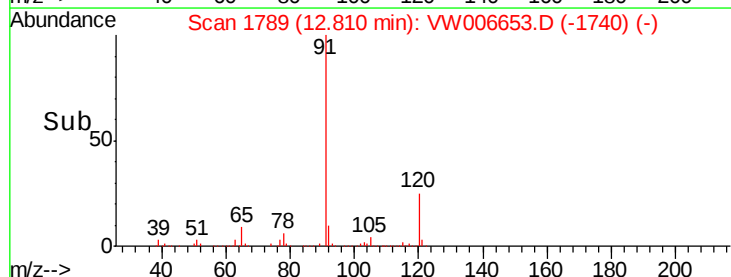
91 100

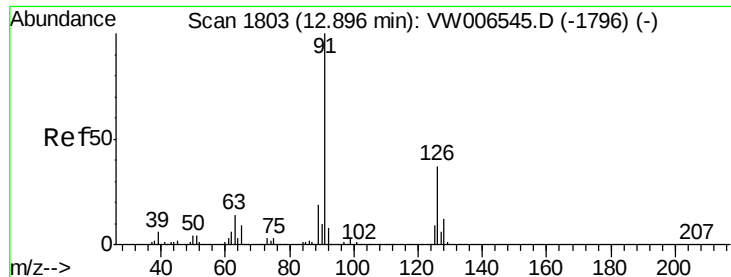
120 24.9 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.126 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampled :

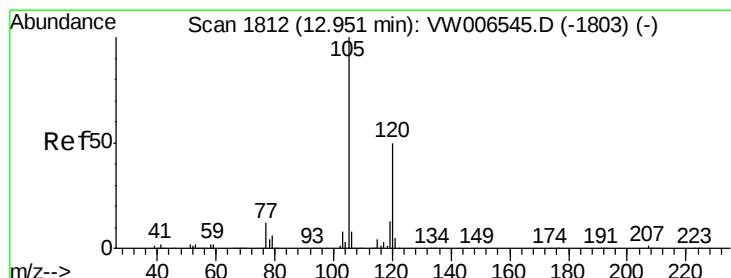
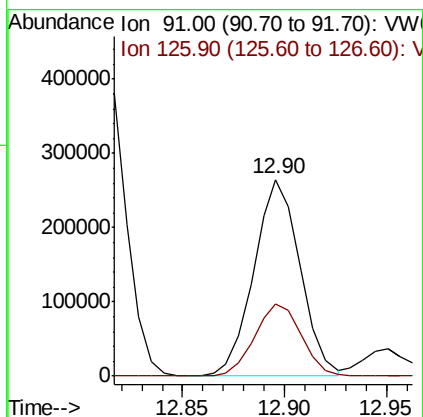
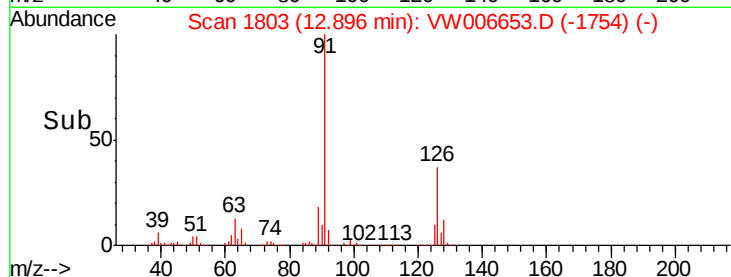
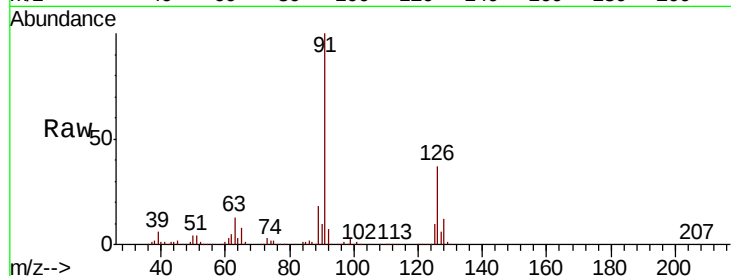
BFB

Tgt Ion: 91 Resp: 417156

Ion Ratio Lower Upper

91 100

126 37.2 18.5 55.5



#80

1,3,5-Trimethylbenzene

Concen: 54.145 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006653.D

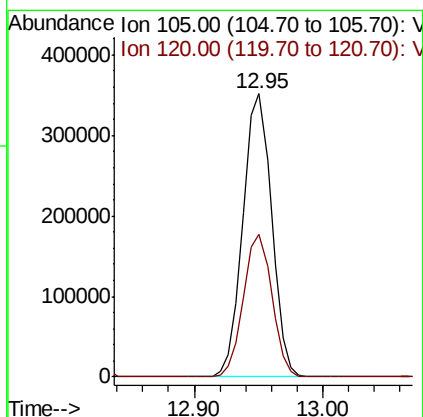
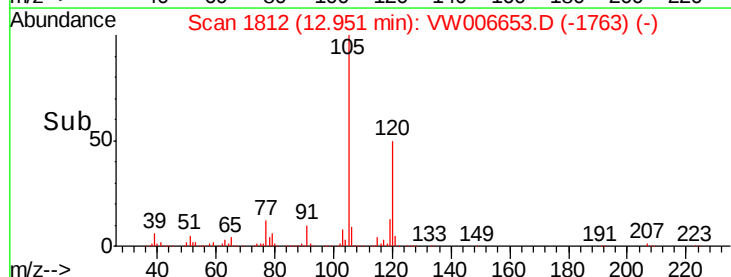
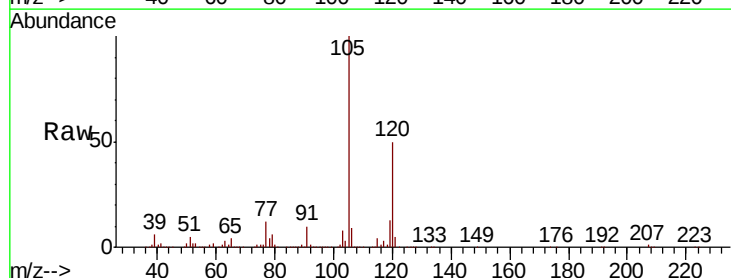
Acq: 05 Nov 2018 23:52

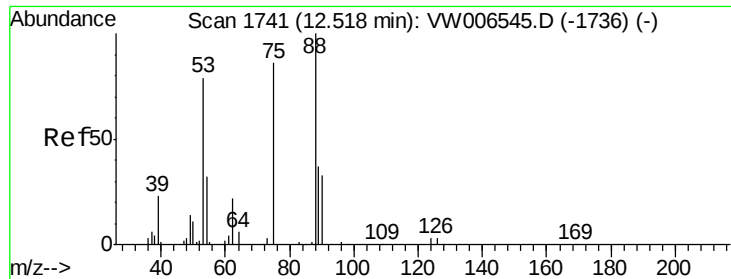
Tgt Ion: 105 Resp: 541093

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 52.302 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

BFB

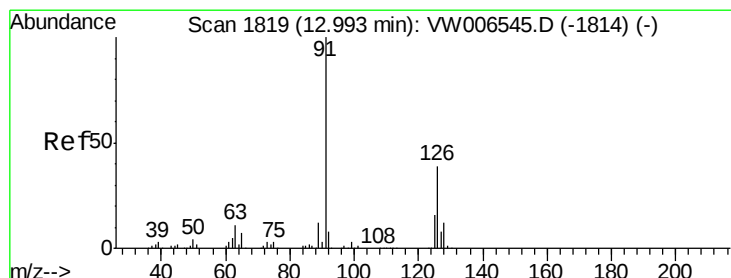
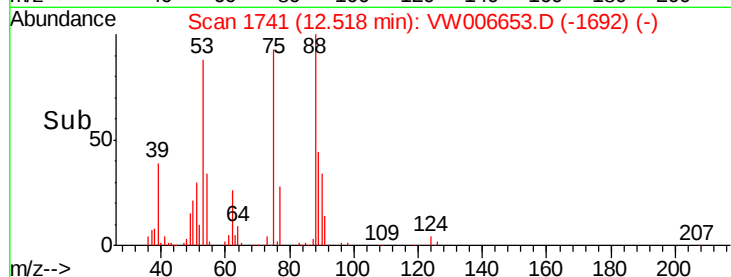
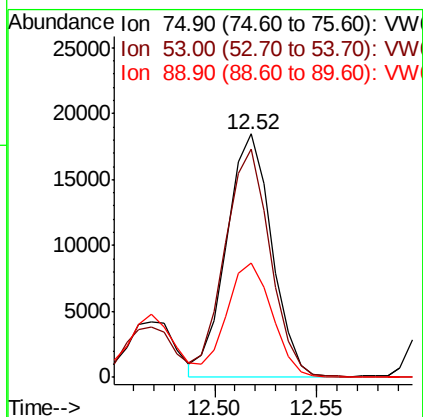
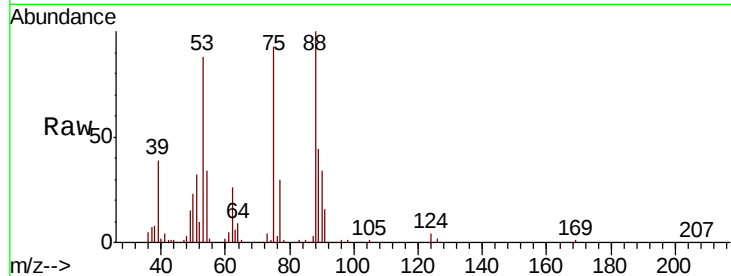
Tgt Ion: 75 Resp: 28524

Ion Ratio Lower Upper

75 100

53 94.0 77.2 115.8

89 46.6 38.6 58.0



#82

4-Chlorotoluene

Concen: 53.485 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006653.D

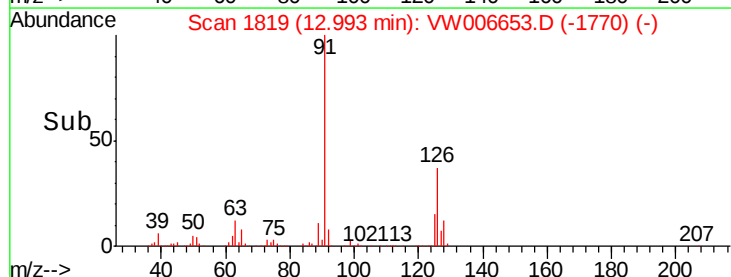
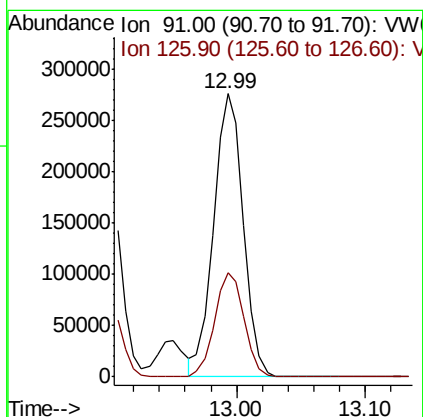
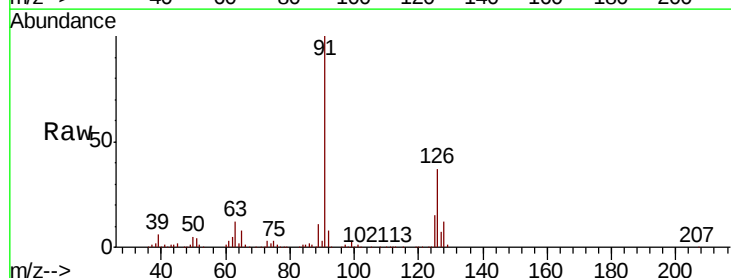
Acq: 05 Nov 2018 23:52

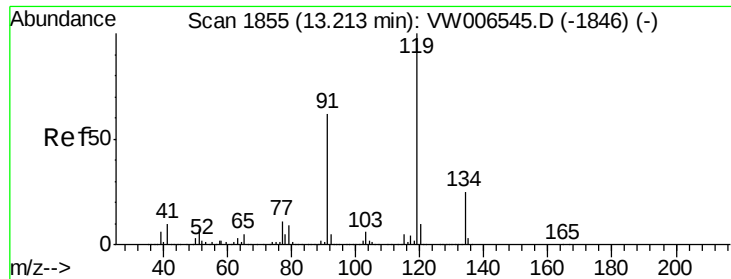
Tgt Ion: 91 Resp: 444315

Ion Ratio Lower Upper

91 100

126 36.8 18.5 55.5

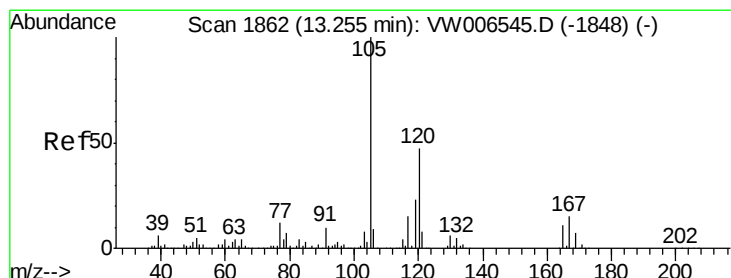
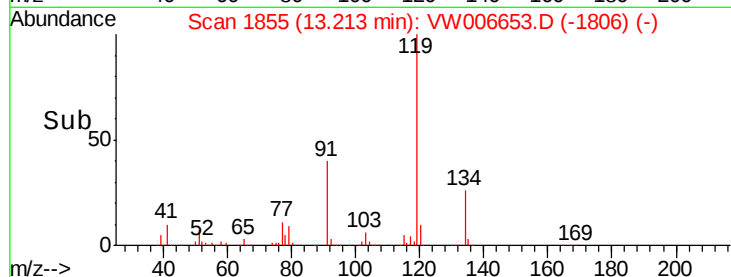
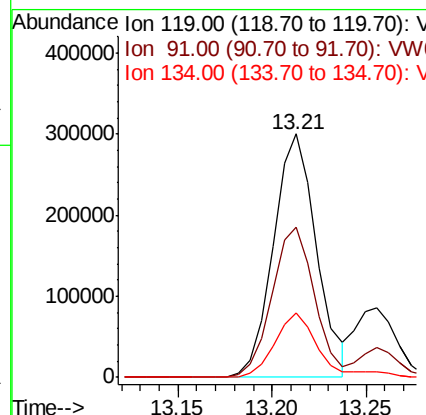
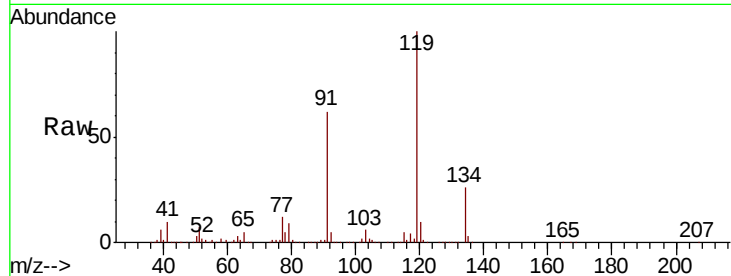




#83
 tert-Butylbenzene
 Concen: 53.371 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

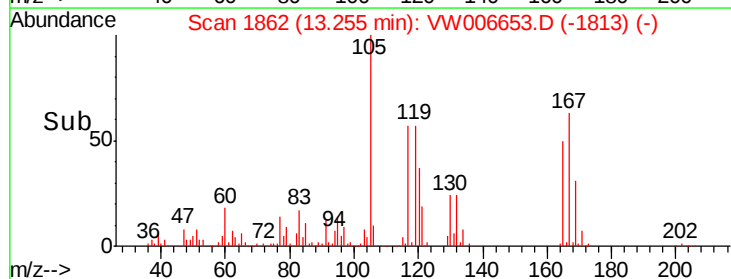
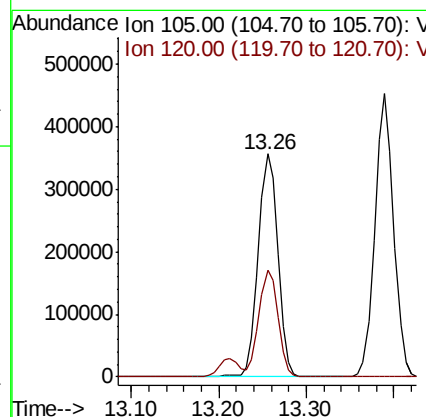
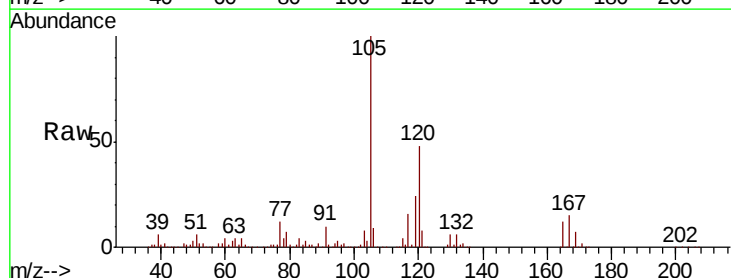
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

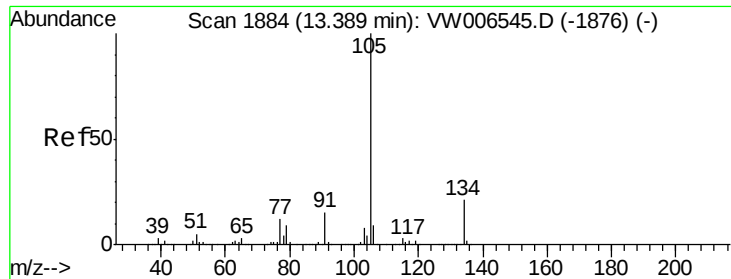
Tgt Ion:119 Resp: 475639
 Ion Ratio Lower Upper
 119 100
 91 60.8 30.4 91.3
 134 27.1 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 54.012 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Tgt Ion:105 Resp: 553647
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.2 69.6

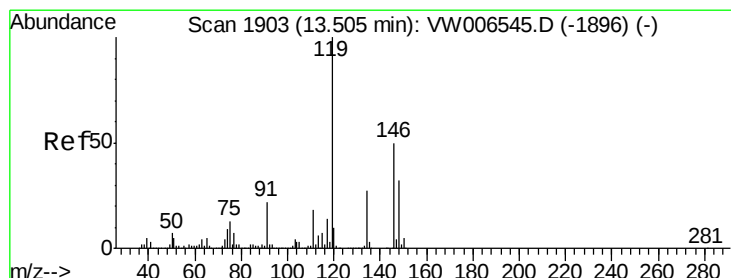
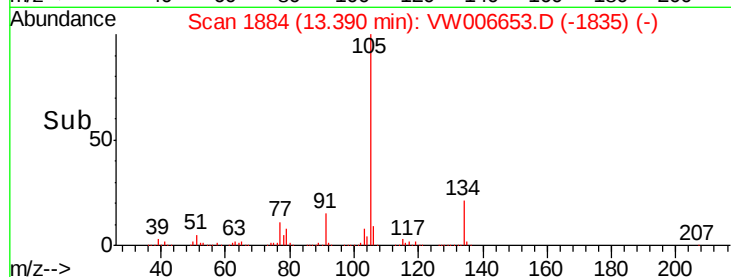
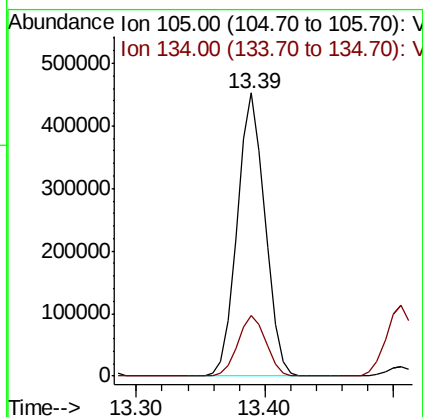
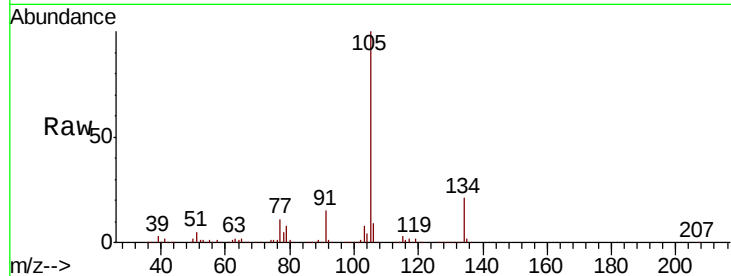




#85
 sec-Butylbenzene
 Concen: 54.019 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

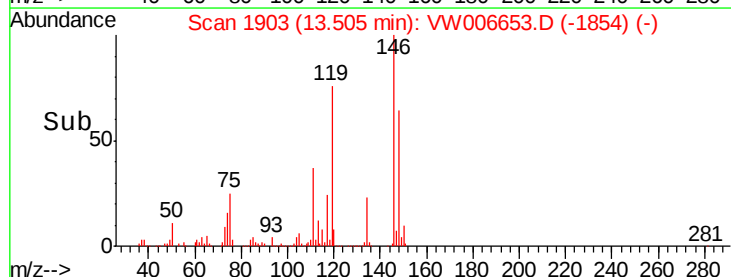
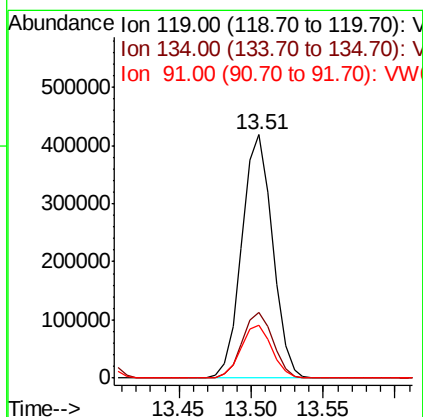
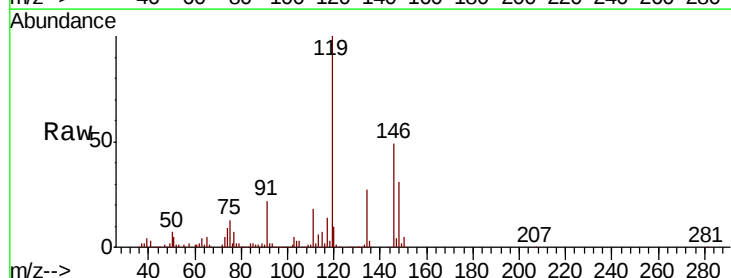
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

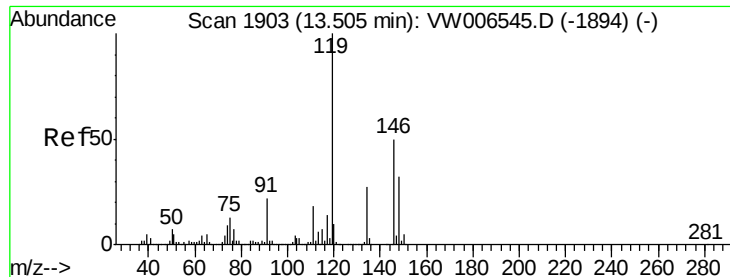
Tgt Ion:105 Resp: 674247
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 54.431 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Tgt Ion:119 Resp: 618196
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.6 40.7
 91 21.8 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 54.201 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampled :

BFB

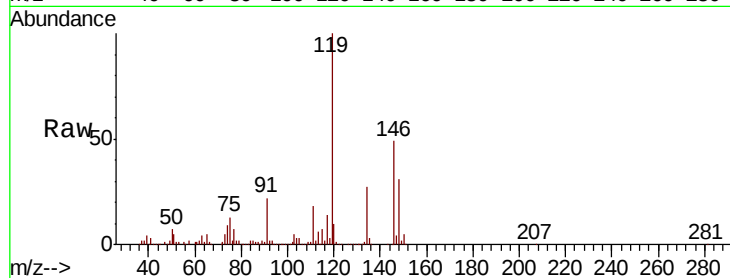
Tgt Ion:146 Resp: 328749

Ion Ratio Lower Upper

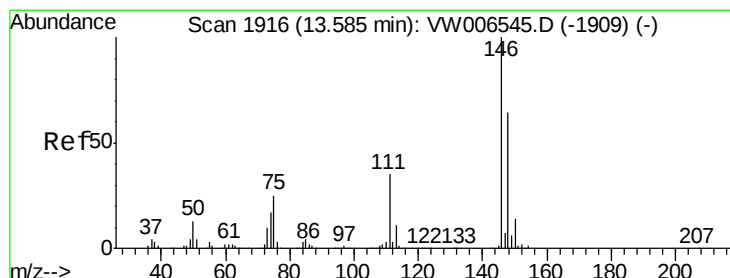
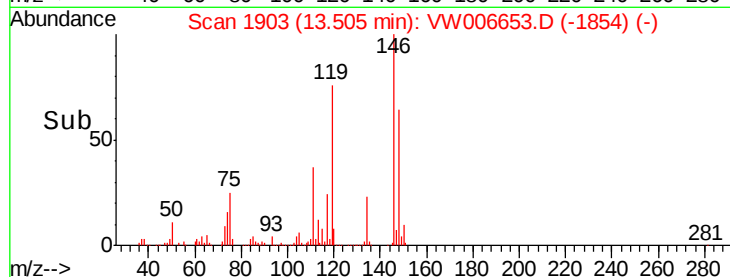
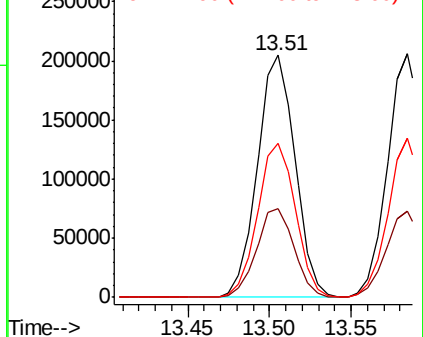
146 100

111 36.7 18.6 55.6

148 64.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 53.864 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

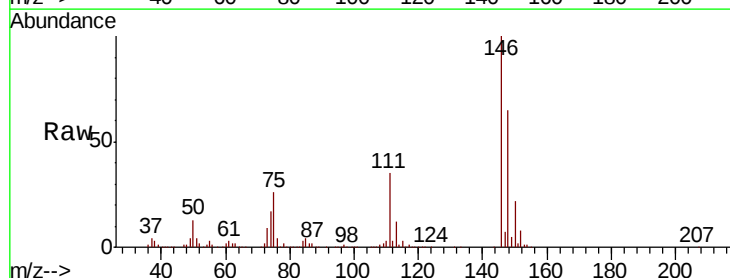
Tgt Ion:146 Resp: 323842

Ion Ratio Lower Upper

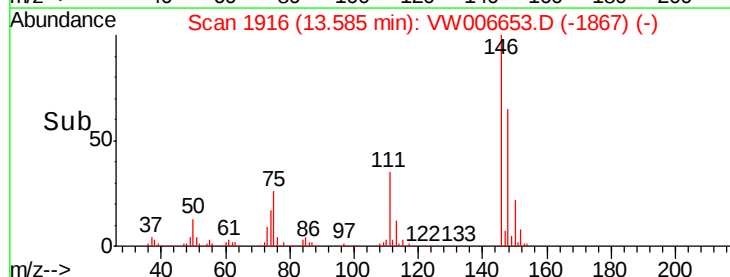
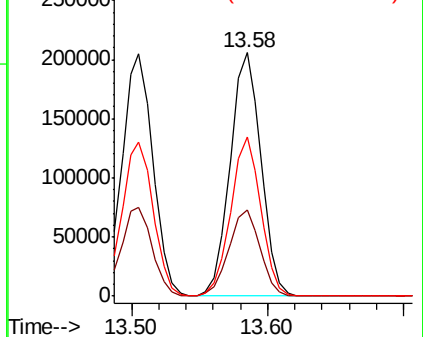
146 100

111 36.0 17.9 53.7

148 64.0 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 55.046 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampled :

BFB

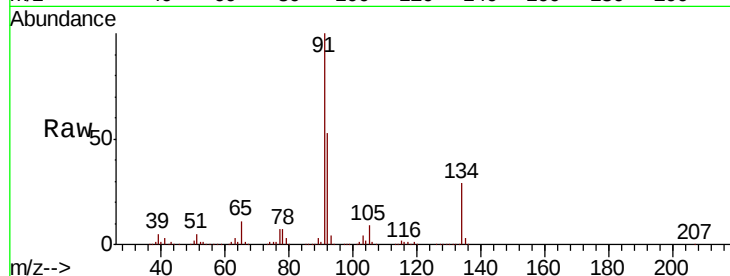
Tgt Ion: 91 Resp: 554962

Ion Ratio Lower Upper

91 100

92 52.9 26.4 79.0

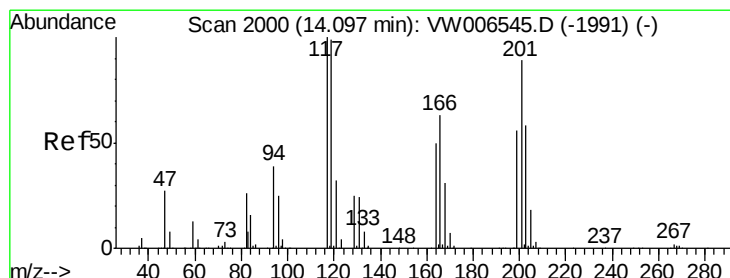
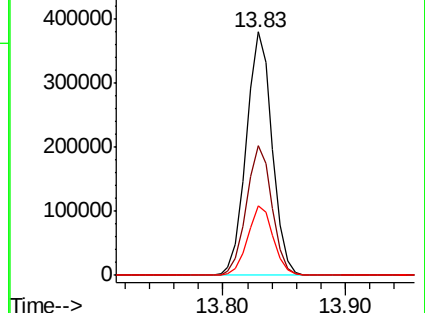
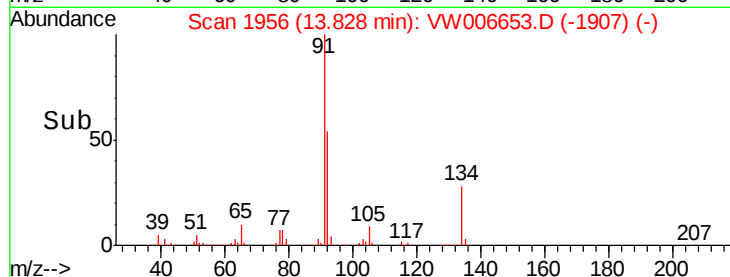
134 28.5 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 56.624 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006653.D

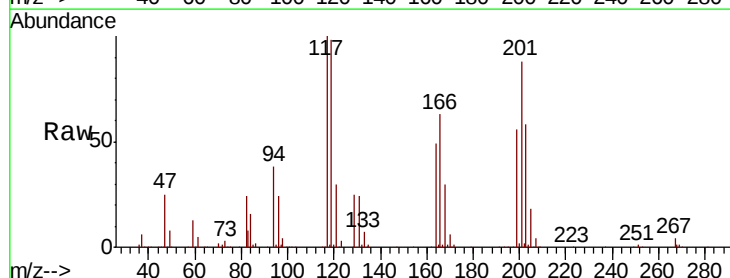
Acq: 05 Nov 2018 23:52

Tgt Ion: 117 Resp: 105695

Ion Ratio Lower Upper

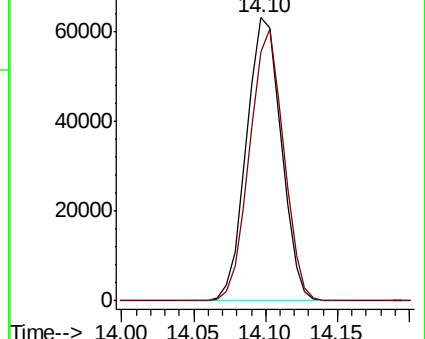
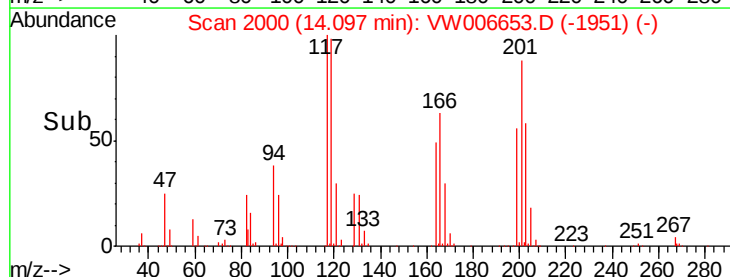
117 100

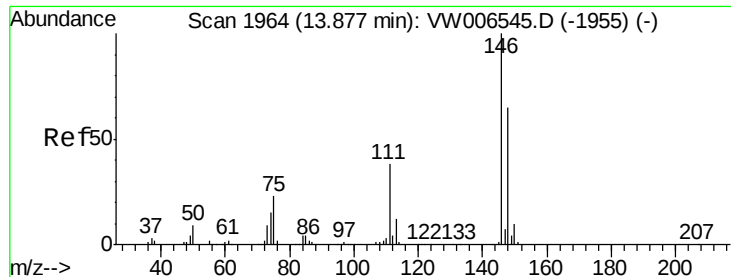
201 92.8 46.8 140.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 53.856 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

Instrument :

MSVOA_W

ClientSampleId :

BFB

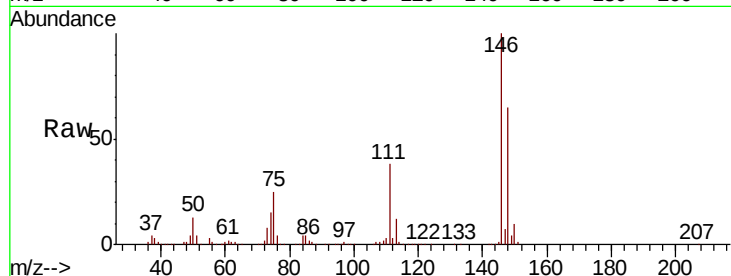
Tgt Ion:146 Resp: 293833

Ion Ratio Lower Upper

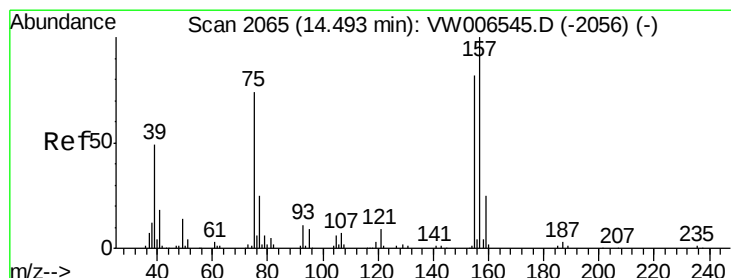
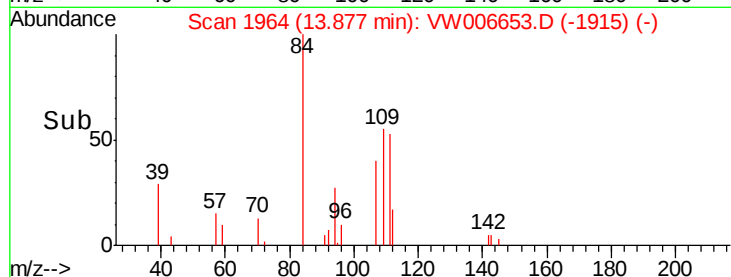
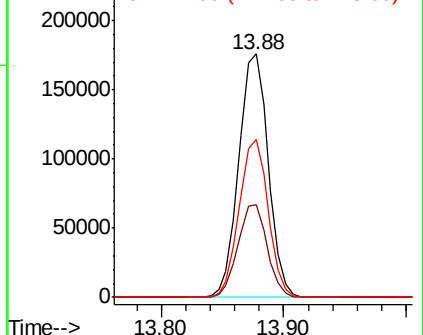
146 100

111 37.8 19.1 57.5

148 63.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.347 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006653.D

Acq: 05 Nov 2018 23:52

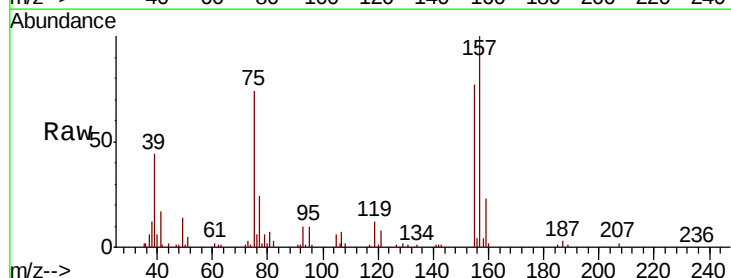
Tgt Ion: 75 Resp: 15958

Ion Ratio Lower Upper

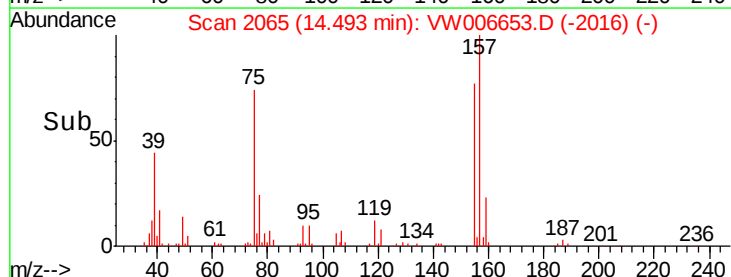
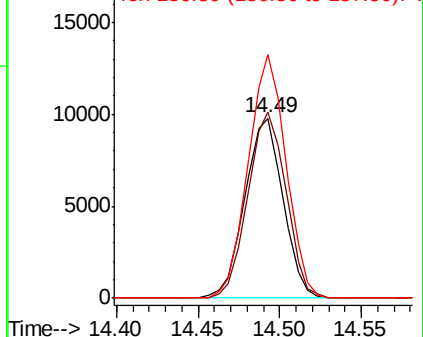
75 100

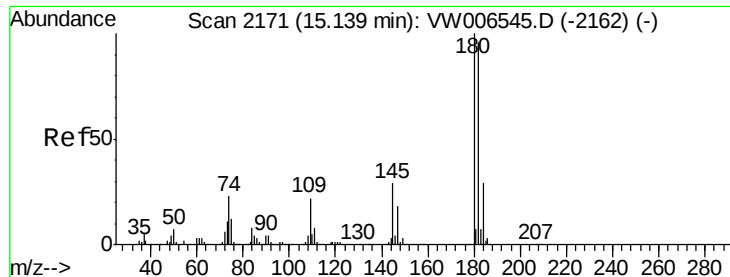
155 103.2 50.6 151.8

157 134.1 65.0 195.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

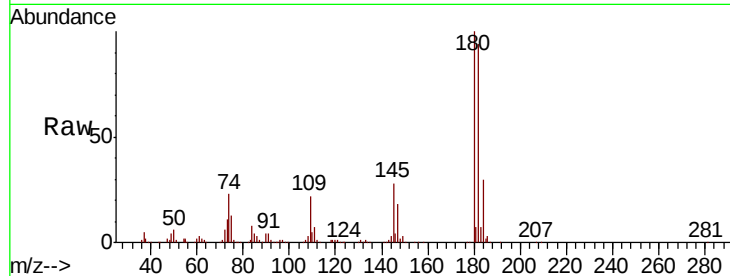




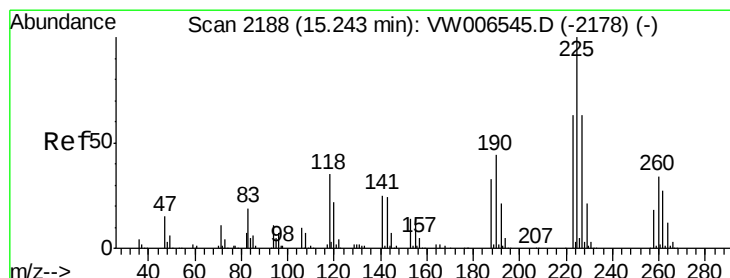
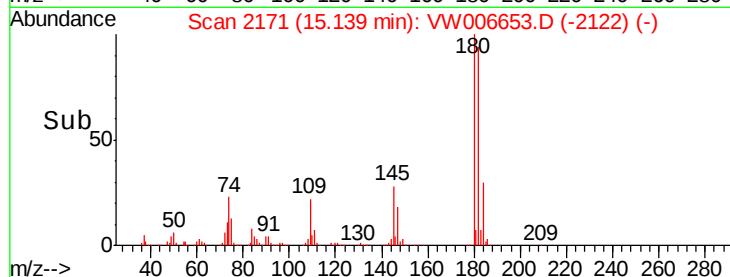
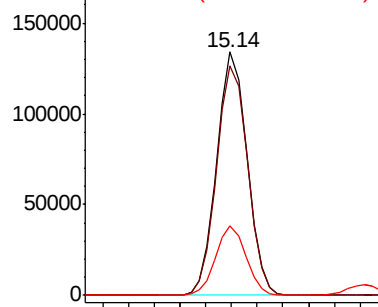
#93
 1,2,4-Trichlorobenzene
 Concen: 53.939 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 218821
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.5 142.6
 145 28.2 14.0 42.0

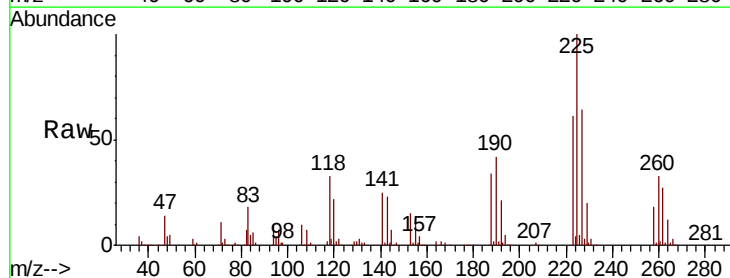


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

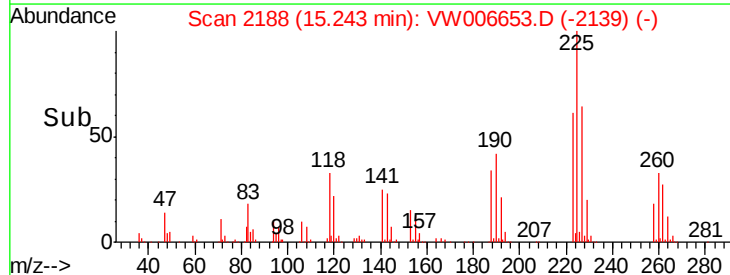
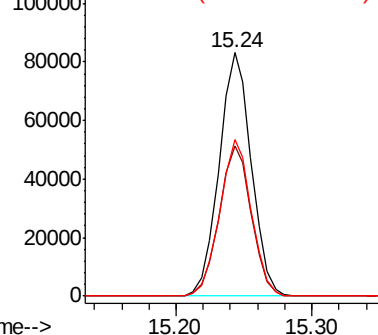


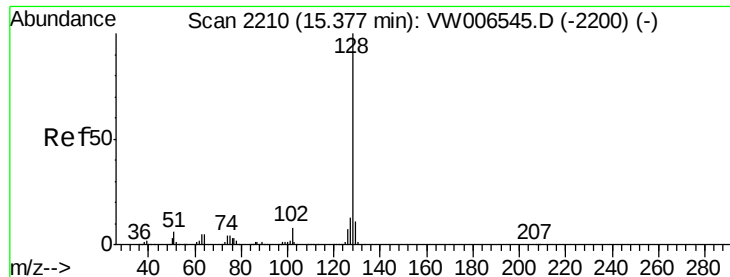
#94
 Hexachlorobutadiene
 Concen: 54.441 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006653.D
 Acq: 05 Nov 2018 23:52

Tgt Ion:225 Resp: 137650
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.4 94.2
 227 63.3 32.2 96.6



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

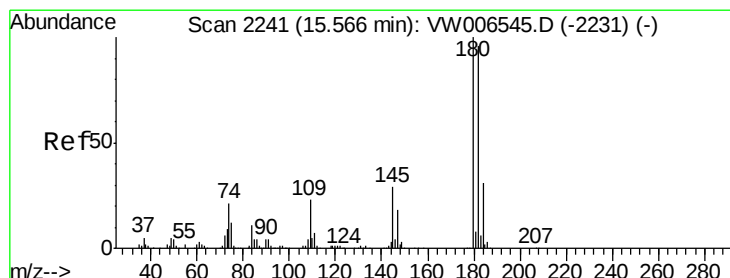
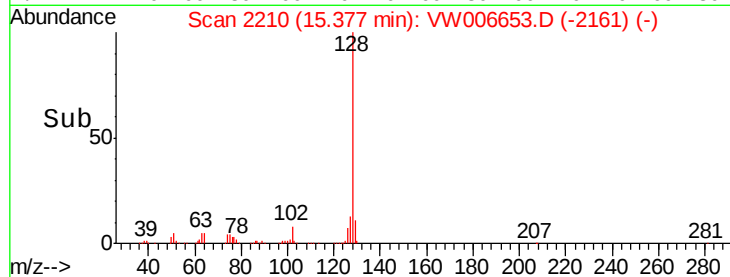
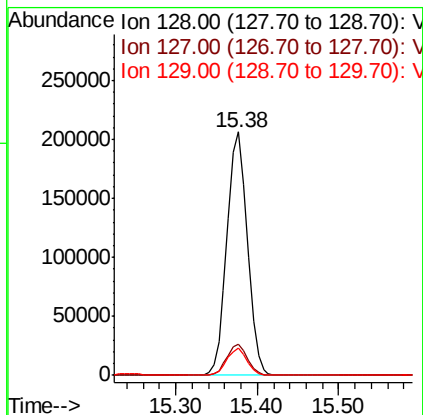
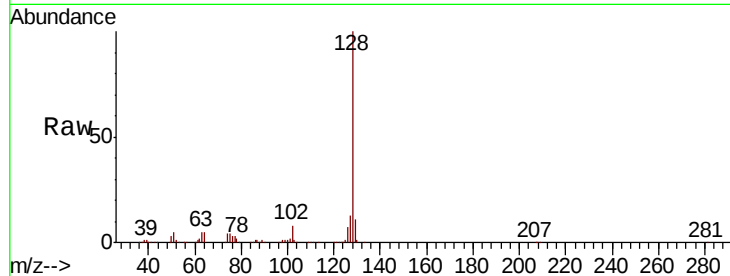




#95
Naphthalene
Concen: 54.613 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion:128 Resp: 356084
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.510 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006653.D
Acq: 05 Nov 2018 23:52

Tgt Ion:180 Resp: 194353
Ion Ratio Lower Upper
180 100
182 94.8 48.2 144.6
145 29.3 14.9 44.5

