

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002547.D
 Acq On : 15 May 2018 12:09
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: May 16 05:40:02 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	244441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	321045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	172547	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	117284	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
35) Dibromofluoromethane	7.88	113	113498	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.33	98	448447	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.63	95	156974	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	49546	52.53	ug/l	99
3) Chloromethane	2.21	50	89362	49.53	ug/l	96
4) Vinyl Chloride	2.36	62	146324	51.72	ug/l	95
5) Bromomethane	2.77	94	111668	48.13	ug/l	93
6) Chloroethane	2.92	64	98150	50.41	ug/l	99
7) Trichlorofluoromethane	3.25	101	74944	60.11	ug/l	100
8) Diethyl Ether	3.67	74	72143	48.36	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	108626	52.59	ug/l	99
10) Methyl Iodide	4.26	142	161003	48.91	ug/l	99
11) Tert butyl alcohol	5.18	59	35394	182.28	ug/l	96
12) 1,1-Dichloroethene	4.02	96	103793	50.77	ug/l	98
13) Acrolein	3.88	56	48731	254.75	ug/l	99
14) Allyl chloride	4.65	41	154867	51.05	ug/l	98
15) Acrylonitrile	5.36	53	114586	212.99	ug/l	98
16) Acetone	4.12	43	135475	254.04	ug/l	96
17) Carbon Disulfide	4.37	76	279794	49.73	ug/l	100
18) Methyl Acetate	4.67	43	64126	41.25	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	170273	45.33	ug/l	98
20) Methylene Chloride	4.90	84	103035	48.48	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	109610	49.59	ug/l	96
22) Diisopropyl ether	6.31	45	319444	47.53	ug/l	97
23) Vinyl Acetate	6.25	43	950186	233.28	ug/l	99
24) 1,1-Dichloroethane	6.21	63	201146	49.66	ug/l	100
25) 2-Butanone	7.17	43	161923	214.72	ug/l	99
26) 2,2-Dichloropropane	7.16	77	122342	53.90	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	121668	48.25	ug/l	99
28) Bromochloromethane	7.51	49	80032	44.26	ug/l	98
29) Tetrahydrofuran	7.53	42	95265	202.23	ug/l	99
30) Chloroform	7.67	83	210164	48.59	ug/l	95
31) Cyclohexane	7.95	56	173757	48.42	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	166763	51.12	ug/l	98
36) 1,1-Dichloropropene	8.08	75	164293	53.20	ug/l	99
37) Ethyl Acetate	7.25	43	64736	42.27	ug/l	99
38) Carbon Tetrachloride	8.06	117	163466	54.06	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	193866	54.81	ug/l	99
40) Benzene	8.32	78	452236	51.00	ug/l	100
41) Methacrylonitrile	7.48	41	38715	45.16	ug/l	95
42) 1,2-Dichloroethane	8.40	62	135363	48.07	ug/l	99
43) Isopropyl Acetate	8.43	43	128981	43.78	ug/l	98
44) Trichloroethene	9.09	130	126083	51.89	ug/l	99
45) 1,2-Dichloropropane	9.37	63	114239	50.56	ug/l	98
46) Dibromomethane	9.46	93	60177	46.81	ug/l	99
47) Bromodichloromethane	9.65	83	152540	50.87	ug/l	99
48) Methyl methacrylate	9.44	41	63569	44.54	ug/l	99
49) 1,4-Dioxane	9.45	88	18977	885.68	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	343694	212.50	ug/l	99
52) Toluene	10.39	92	293824	52.41	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	153937	50.77	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	172678	51.09	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	84135	46.45	ug/l	97
56) Ethyl methacrylate	10.65	69	103272	46.79	ug/l	99
57) 1,3-Dichloropropane	10.94	76	143361	47.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	242907	224.16	ug/l	98
59) 2-Hexanone	10.98	43	250193	224.06	ug/l	98
60) Dibromochloromethane	11.13	129	103077	48.23	ug/l	98
61) 1,2-Dibromoethane	11.24	107	82625	47.26	ug/l	98
64) Tetrachloroethene	10.87	164	109799	48.52	ug/l	96
65) Chlorobenzene	11.66	112	328683	51.40	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	116763	51.01	ug/l	99
67) Ethyl Benzene	11.74	91	585946	53.92	ug/l	99
68) m/p-Xylenes	11.85	106	452959	107.20	ug/l	100
69) o-Xylene	12.18	106	213783	53.25	ug/l	98
70) Styrene	12.19	104	350350	52.44	ug/l	100
71) Bromoform	12.36	173	64342	47.84	ug/l #	99
73) Isopropylbenzene	12.48	105	598180	56.24	ug/l	100
74) N-amyl acetate	12.28	43	126645	46.74	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	99760	46.29	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	133147	81.63	ug/l #	100
77) Bromobenzene	12.76	156	141945	52.31	ug/l	96
78) n-propylbenzene	12.82	91	721188	56.14	ug/l	100
79) 2-Chlorotoluene	12.90	91	397883	54.55	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	506406	55.79	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	30311	50.67	ug/l	96
82) 4-Chlorotoluene	13.00	91	426298	54.05	ug/l	100
83) tert-Butylbenzene	13.22	119	443581	56.59	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	521400	55.34	ug/l	100
85) sec-Butylbenzene	13.40	105	645560	57.32	ug/l	100
86) p-Isopropyltoluene	13.51	119	581903	57.44	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	289316	52.71	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	284004	52.01	ug/l	100
89) n-Butylbenzene	13.84	91	549735	57.37	ug/l	100
90) Hexachloroethane	14.11	117	101400	55.89	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	250916	50.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	16767	44.10	ug/l	97

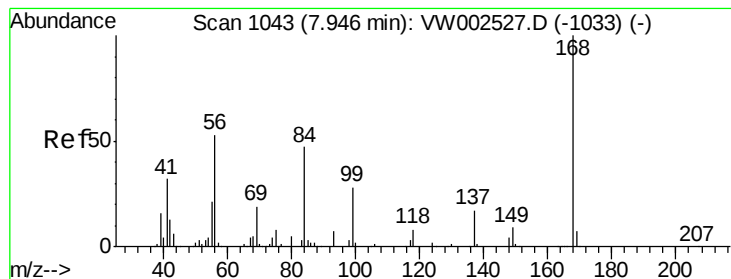
Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	183388	50.58	ug/l	98
94) Hexachlorobutadiene	15.26	225	111412	55.22	ug/l	99
95) Naphthalene	15.38	128	308377	46.78	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	159790	49.26	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

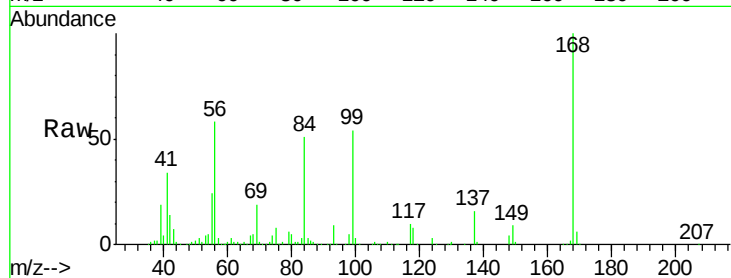
BFB

Tgt Ion:168 Resp: 244441

Ion Ratio Lower Upper

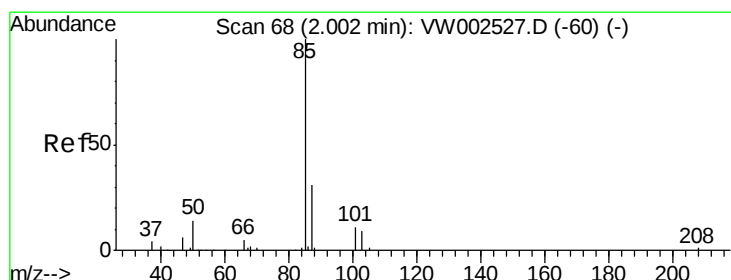
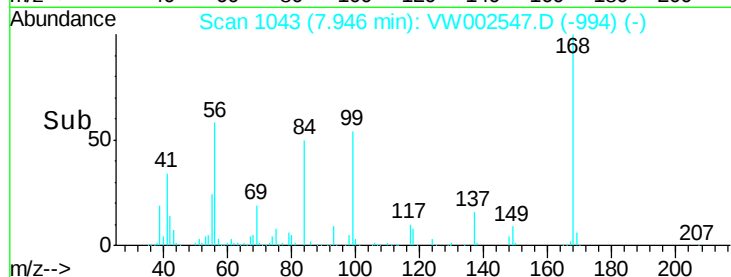
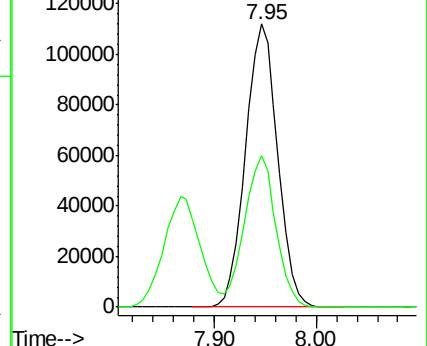
168 100

99 53.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 52.53 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW002547.D

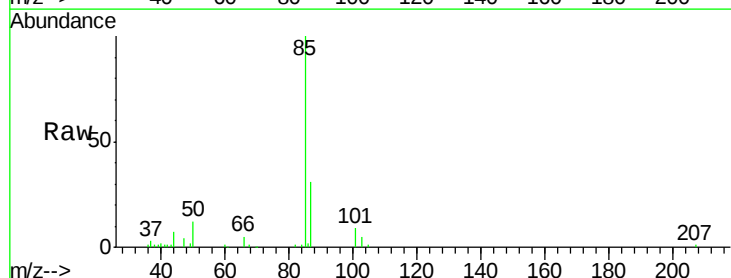
Acq: 15 May 2018 12:09

Tgt Ion: 85 Resp: 49546

Ion Ratio Lower Upper

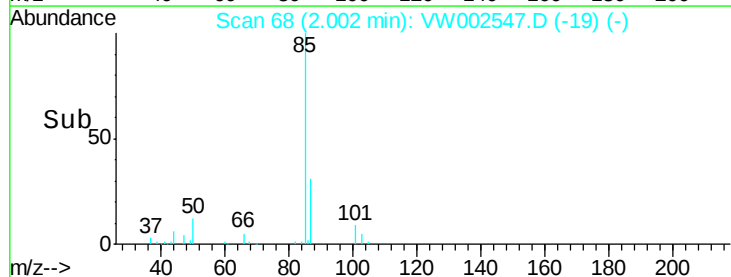
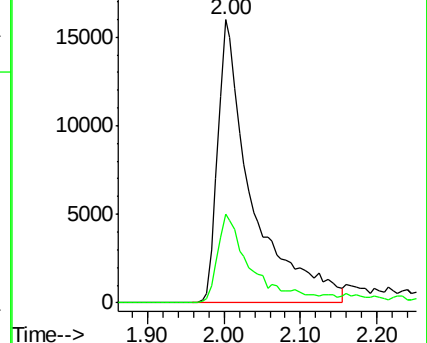
85 100

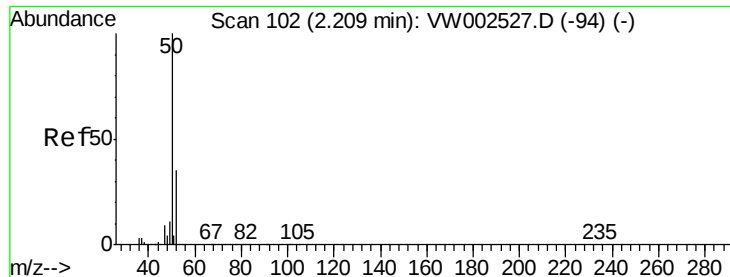
87 31.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 49.53 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampleId :

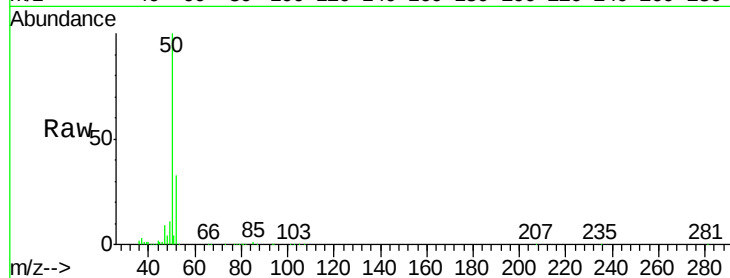
BFB

Tgt Ion: 50 Resp: 89362

Ion Ratio Lower Upper

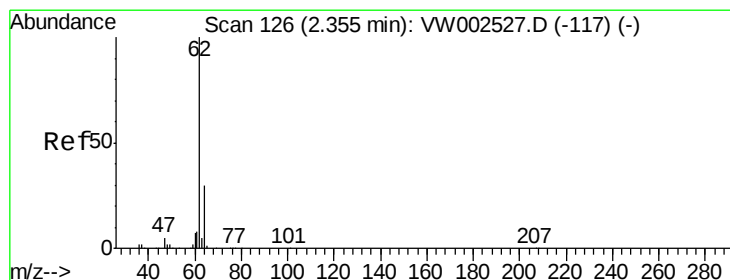
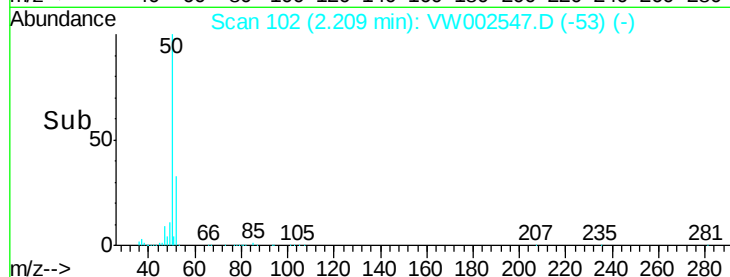
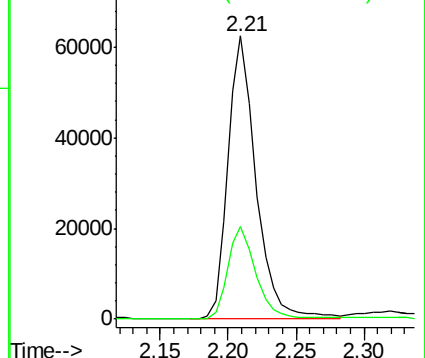
50 100

52 32.6 27.8 41.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 51.72 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW002547.D

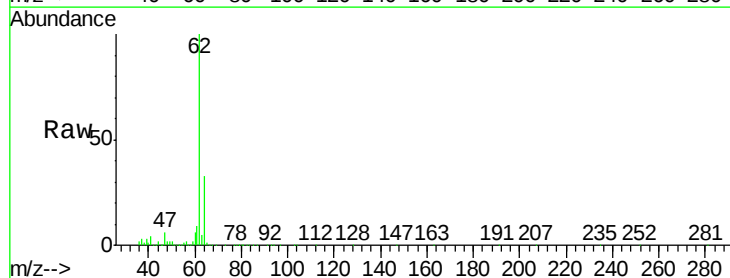
Acq: 15 May 2018 12:09

Tgt Ion: 62 Resp: 146324

Ion Ratio Lower Upper

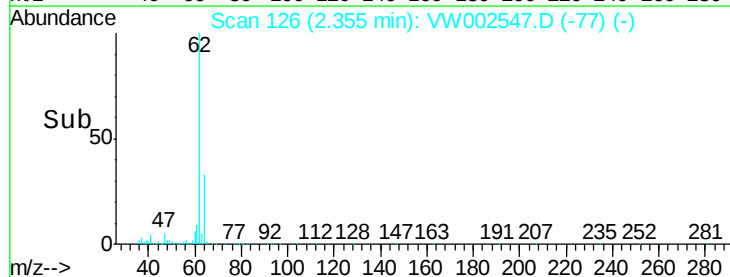
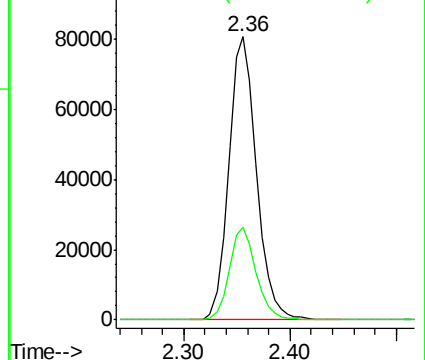
62 100

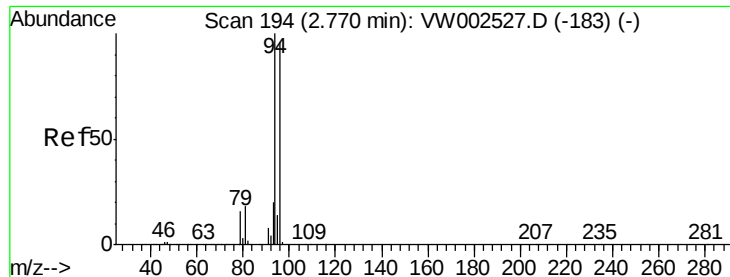
64 32.7 24.0 36.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 48.13 ug/l

RT: 2.77 min Scan# 194

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampleId :

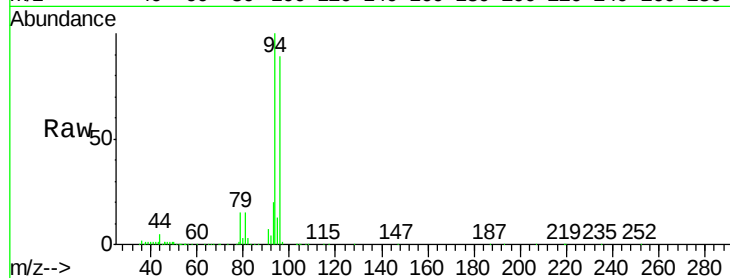
BFB

Tgt Ion: 94 Resp: 111668

Ion Ratio Lower Upper

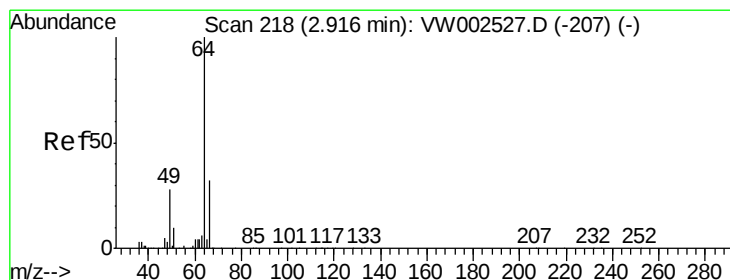
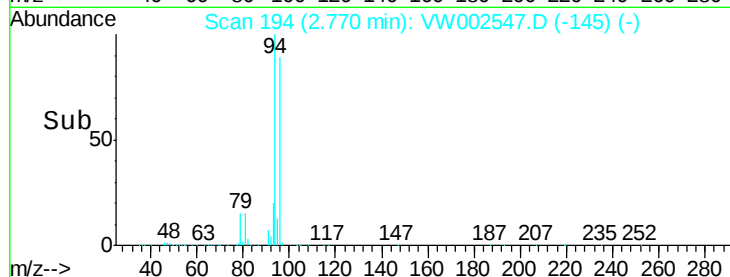
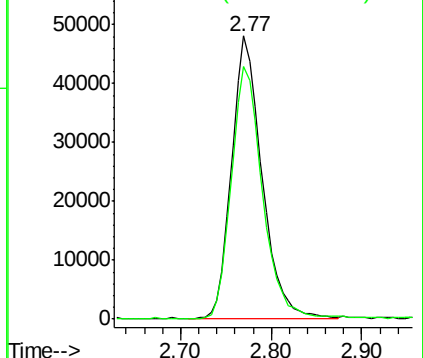
94 100

96 89.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 50.41 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW002547.D

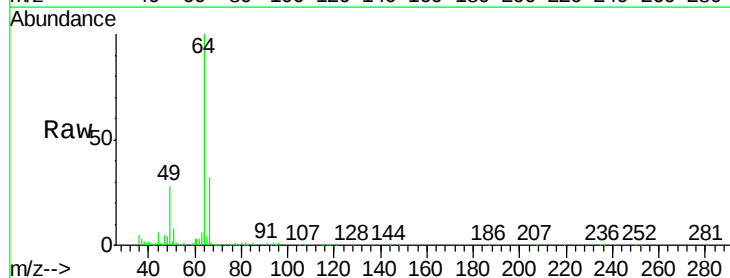
Acq: 15 May 2018 12:09

Tgt Ion: 64 Resp: 98150

Ion Ratio Lower Upper

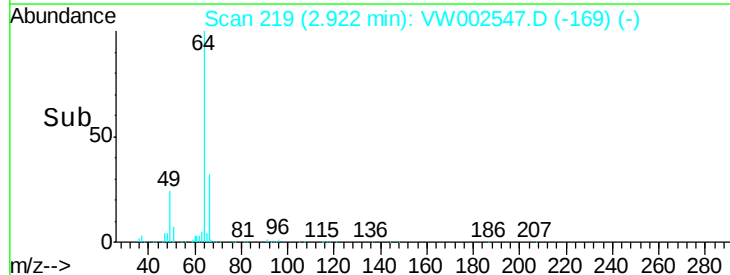
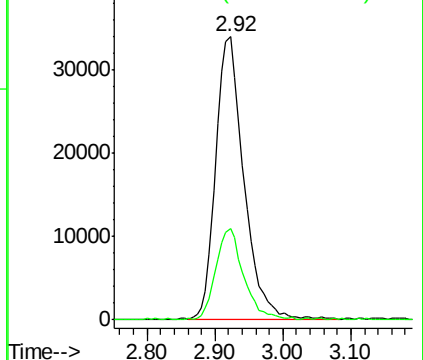
64 100

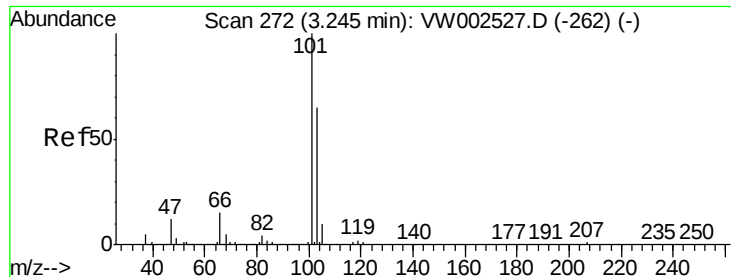
66 31.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

Trichlorofluoromethane

Concen: 60.11 ug/l

RT: 3.25 min Scan# 272

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

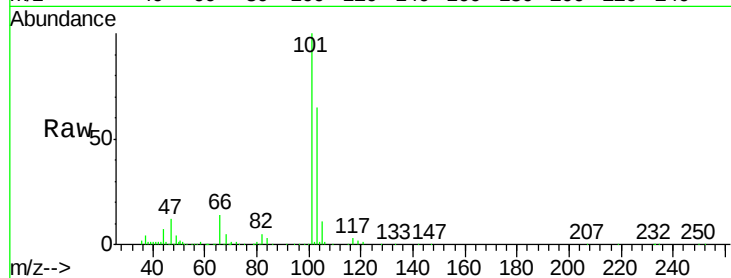
BFB

Tgt Ion:101 Resp: 74944

Ion Ratio Lower Upper

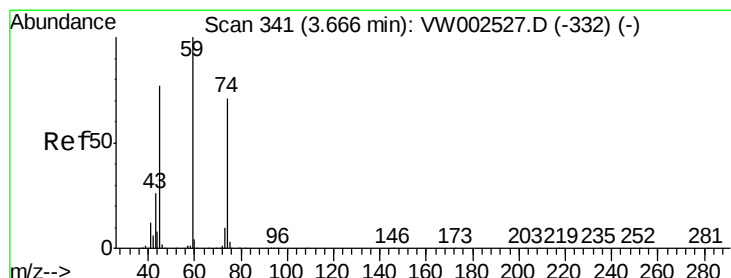
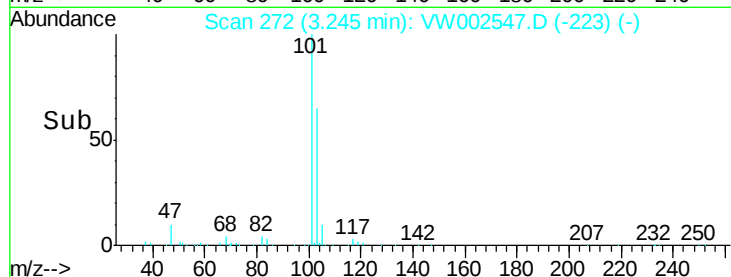
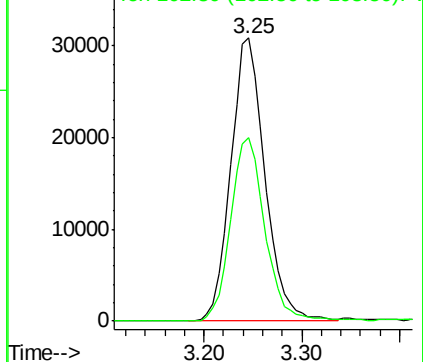
101 100

103 64.5 51.8 77.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.36 ug/l

RT: 3.67 min Scan# 341

Delta R.T. 0.00 min

Lab File: VW002547.D

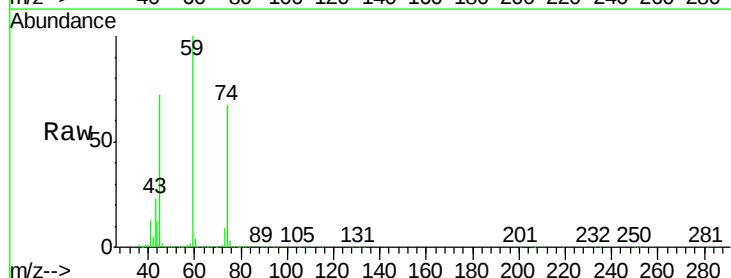
Acq: 15 May 2018 12:09

Tgt Ion: 74 Resp: 72143

Ion Ratio Lower Upper

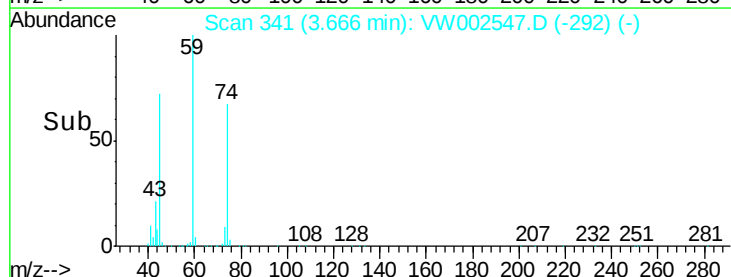
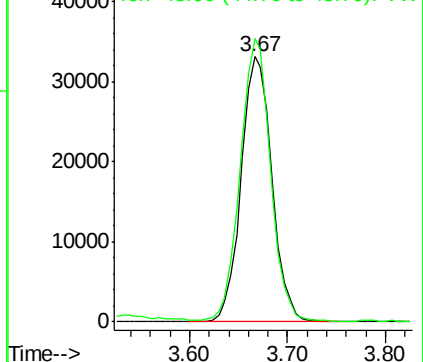
74 100

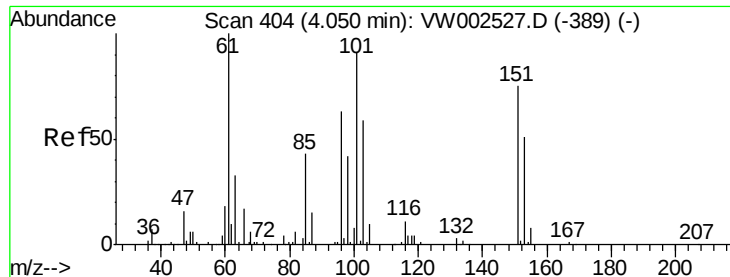
45 105.4 52.3 156.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.59 ug/l

RT: 4.05 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

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ClientSampleId :

BFB

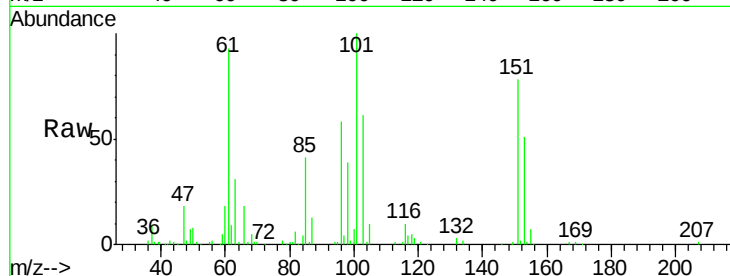
Tgt Ion:101 Resp: 108626

Ion Ratio Lower Upper

101 100

85 45.3 36.5 54.7

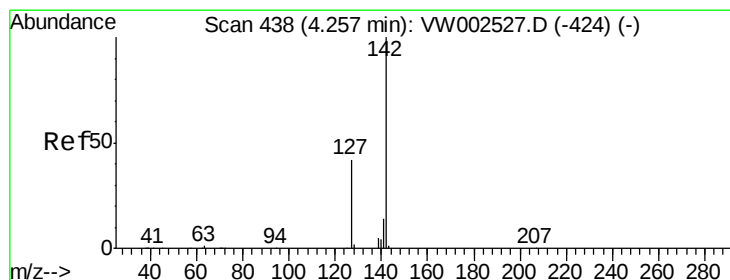
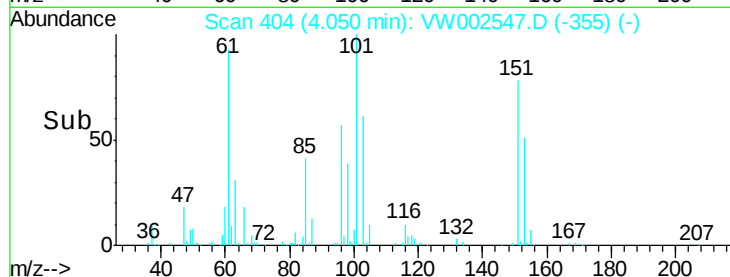
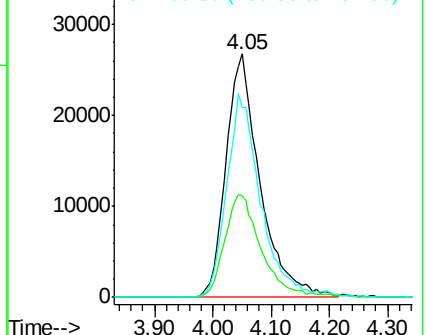
151 82.6 66.7 100.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.91 ug/l

RT: 4.26 min Scan# 438

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

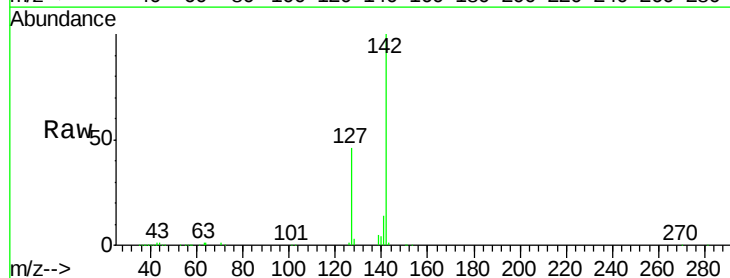
Tgt Ion:142 Resp: 161003

Ion Ratio Lower Upper

142 100

127 44.2 34.6 52.0

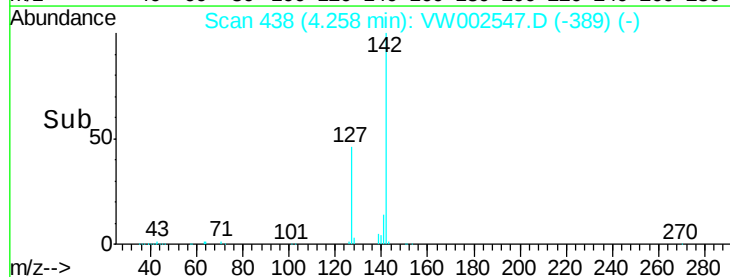
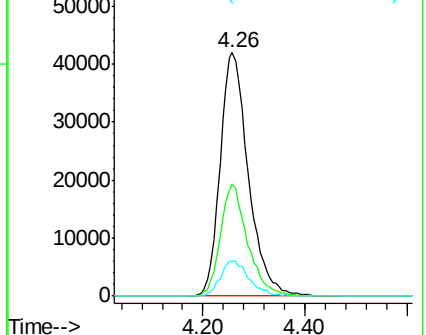
141 14.8 11.8 17.8

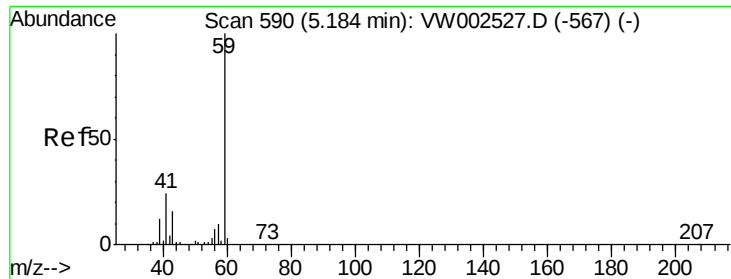


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



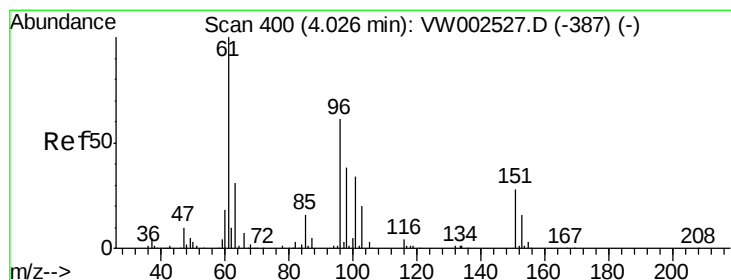
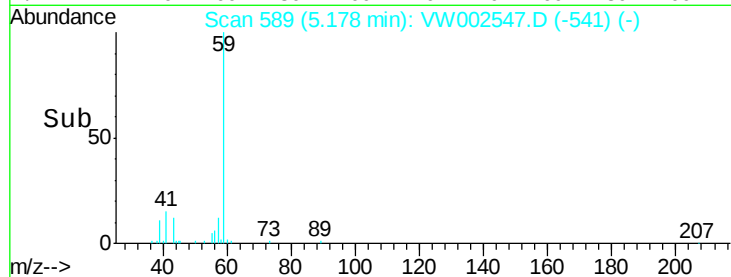
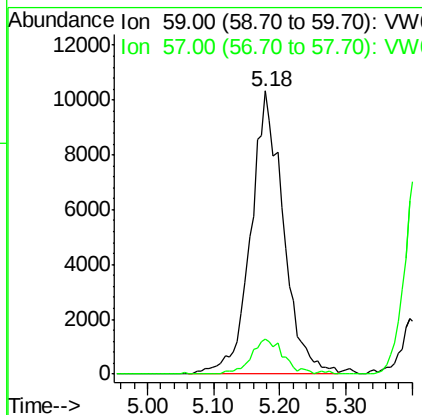
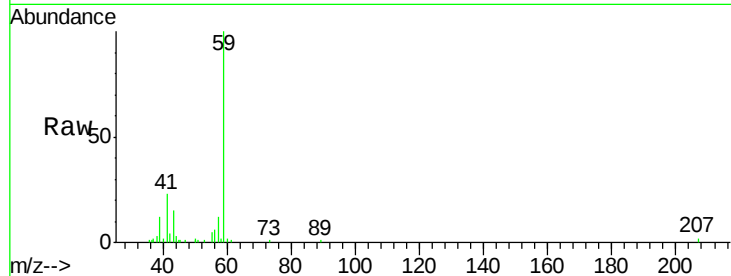


#11

Tert butyl alcohol
 Concen: 182.28 ug/l
 RT: 5.18 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

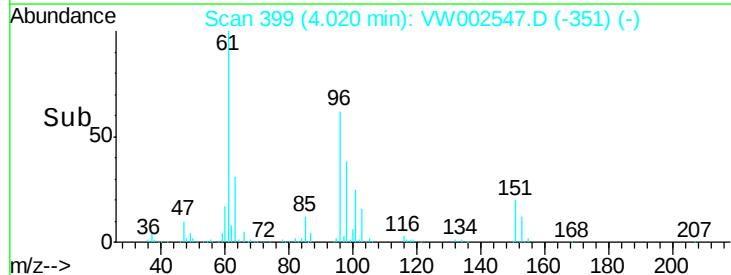
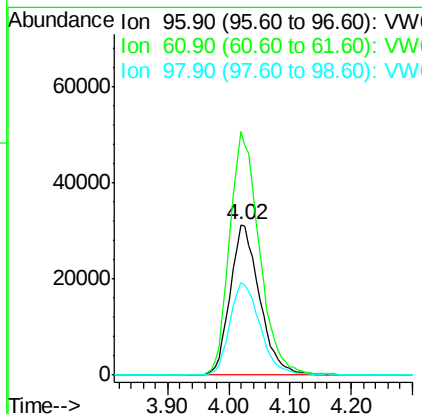
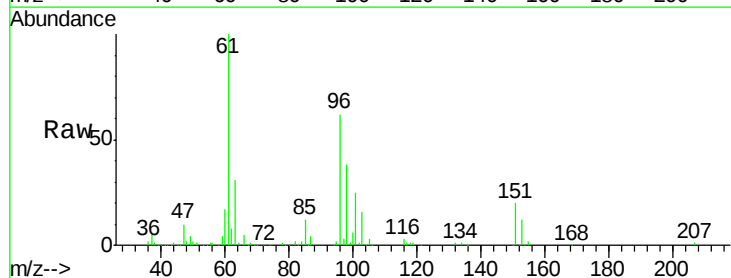
Tgt Ion: 59 Resp: 35394
 Ion Ratio Lower Upper
 59 100
 57 11.7 8.2 12.4

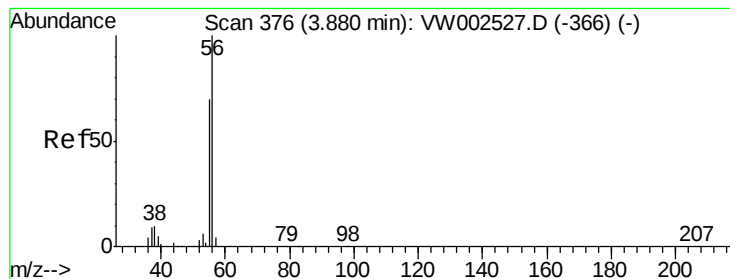


#12

1,1-Dichloroethene
 Concen: 50.77 ug/l
 RT: 4.02 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion: 96 Resp: 103793
 Ion Ratio Lower Upper
 96 100
 61 162.1 132.2 198.2
 98 61.4 50.6 76.0





#13

Acrolein

Concen: 254.75 ug/l

RT: 3.88 min Scan# 376

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampleId :

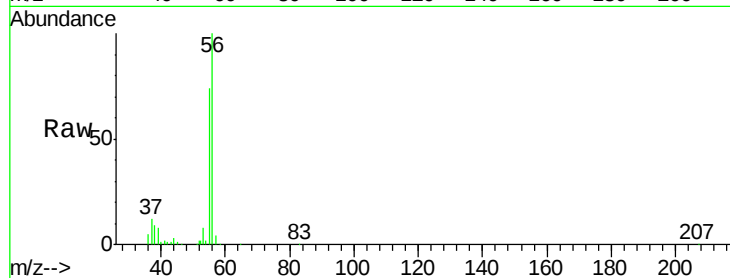
BFB

Tgt Ion: 56 Resp: 48731

Ion Ratio Lower Upper

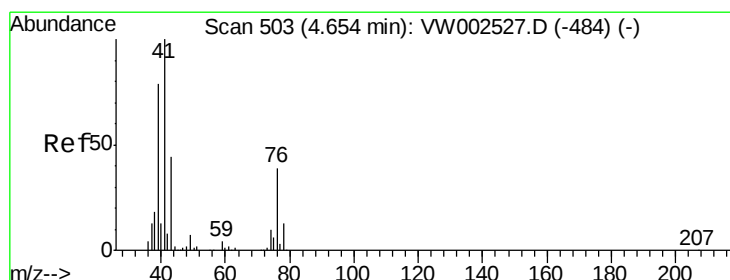
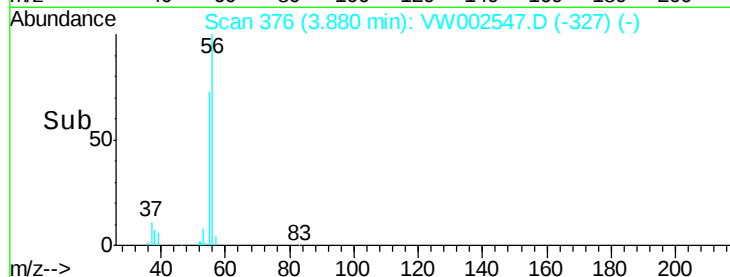
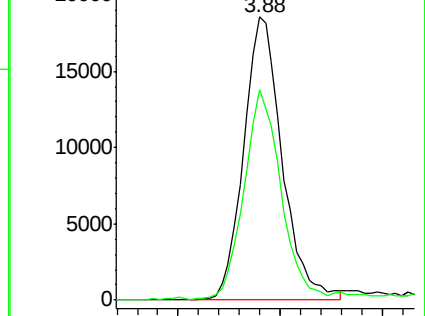
56 100

55 70.4 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 51.05 ug/l

RT: 4.65 min Scan# 502

Delta R.T. -0.01 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

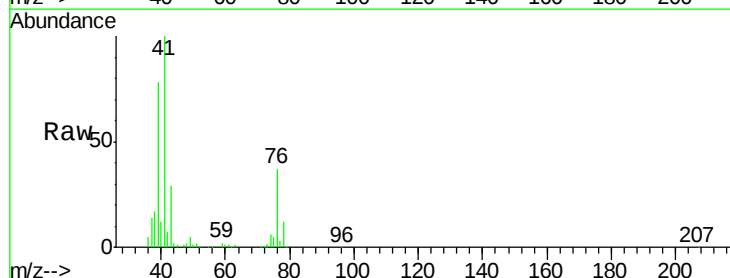
Tgt Ion: 41 Resp: 154867

Ion Ratio Lower Upper

41 100

39 79.4 61.4 92.2

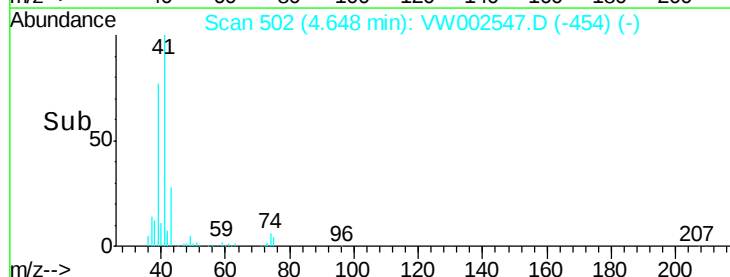
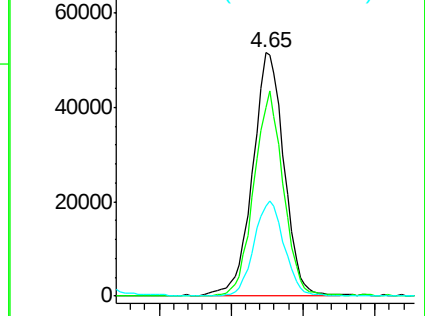
76 37.5 29.6 44.4

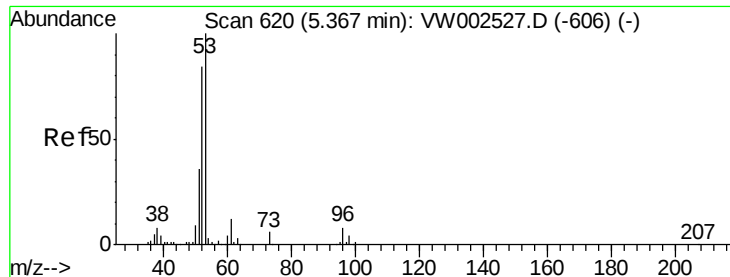


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 212.99 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.01 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampleId :

BFB

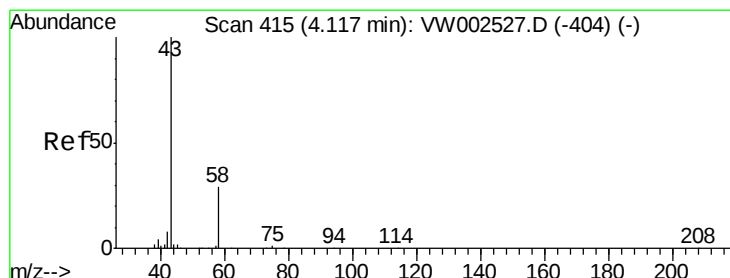
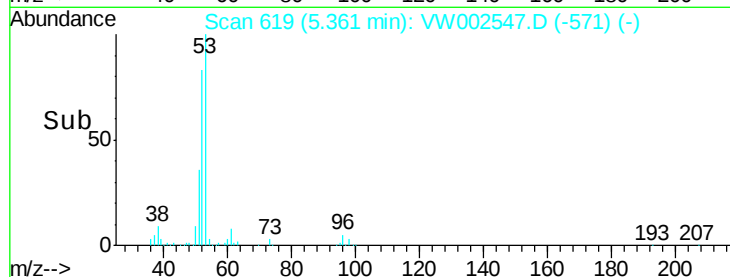
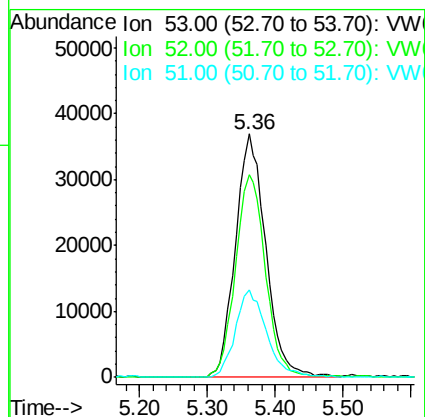
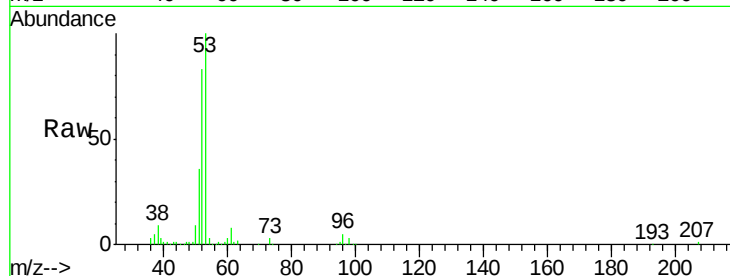
Tgt Ion: 53 Resp: 114586

Ion Ratio Lower Upper

53 100

52 81.9 66.6 100.0

51 37.1 30.6 46.0



#16

Acetone

Concen: 254.04 ug/l

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

Lab File: VW002547.D

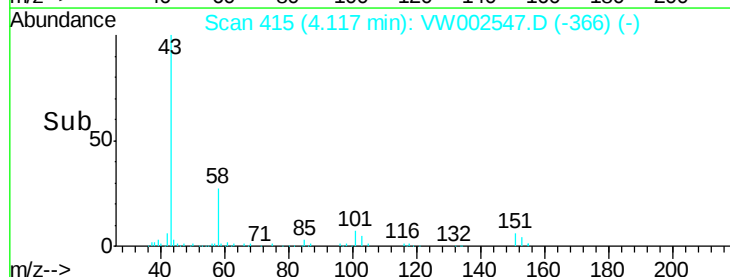
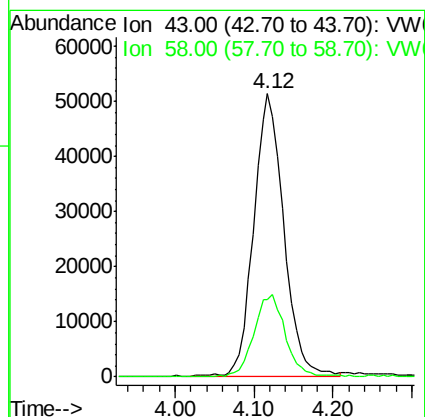
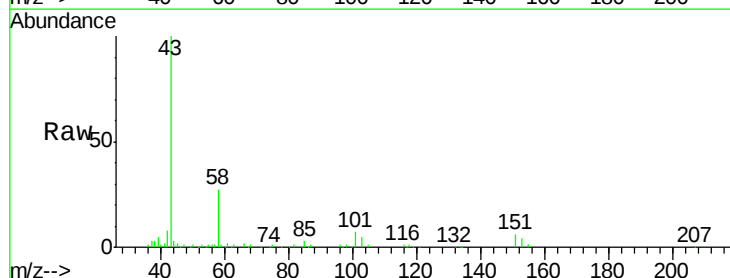
Acq: 15 May 2018 12:09

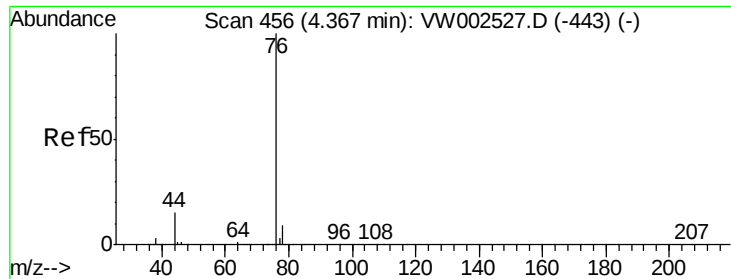
Tgt Ion: 43 Resp: 135475

Ion Ratio Lower Upper

43 100

58 27.0 23.4 35.0

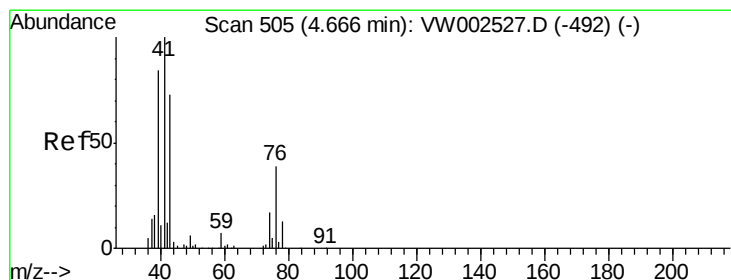
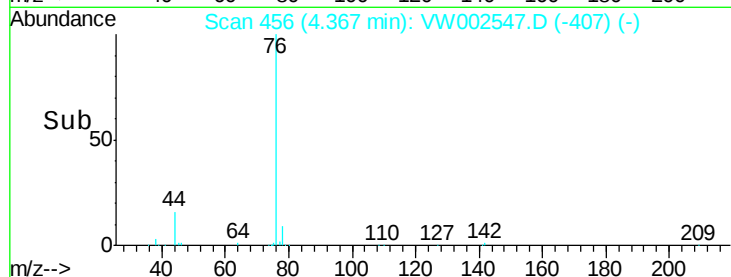
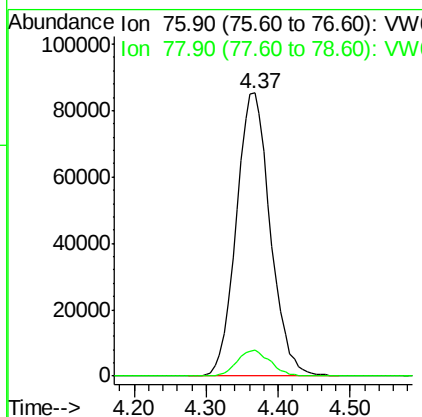
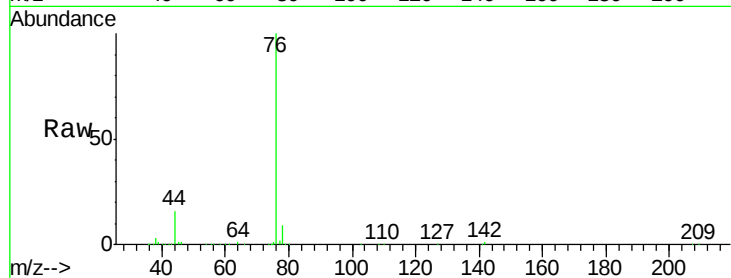




#17
Carbon Disulfide
Concen: 49.73 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

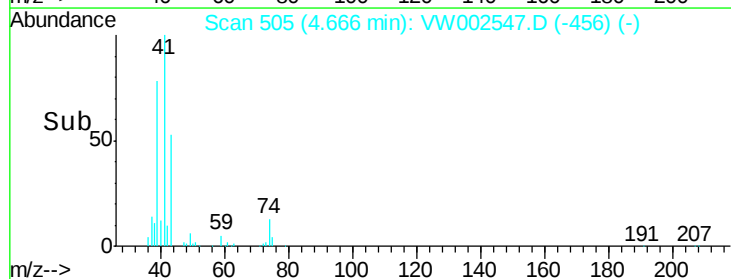
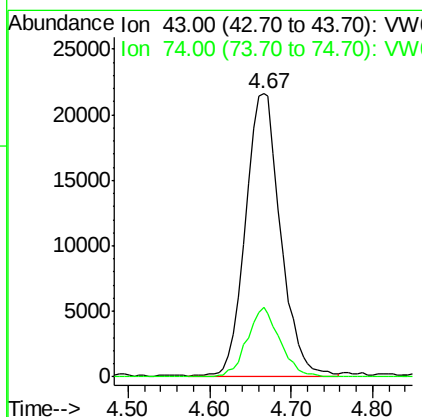
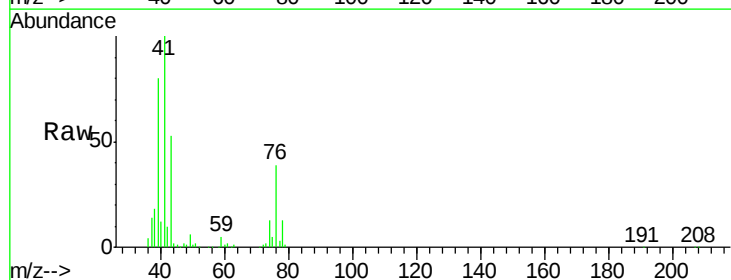
Instrument :
MSVOA_W
ClientSampleId :
BFB

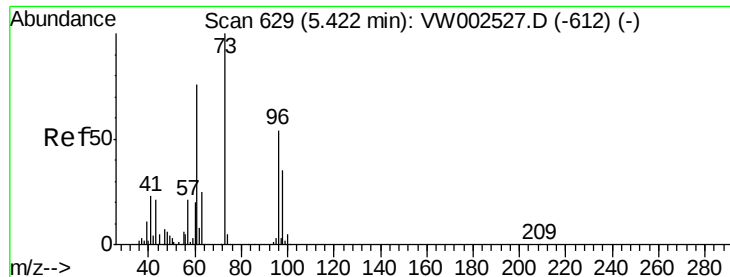
Tgt Ion: 76 Resp: 279794
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 41.25 ug/l
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

Tgt Ion: 43 Resp: 64126
Ion Ratio Lower Upper
43 100
74 23.1 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 45.33 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

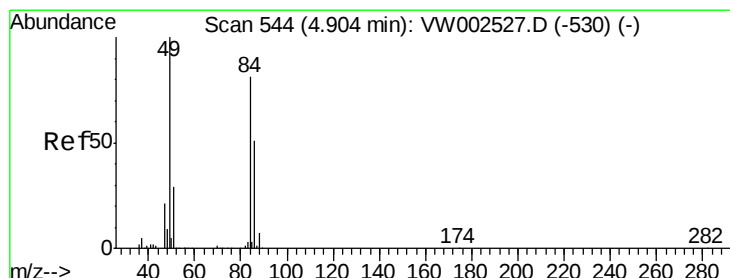
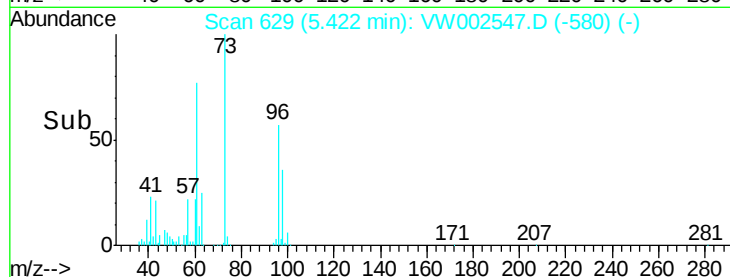
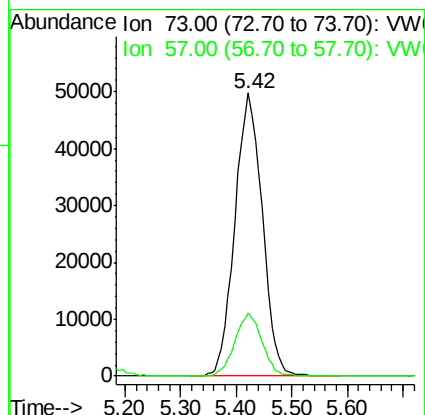
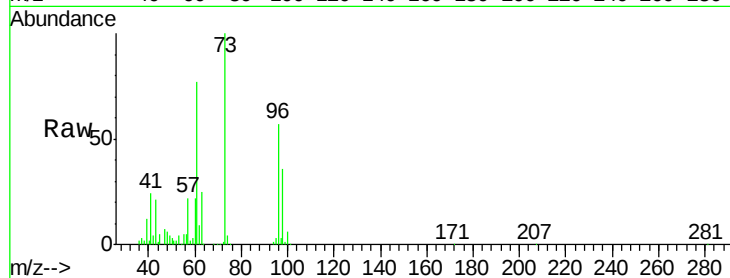
BFB

Tgt Ion: 73 Resp: 170273

Ion Ratio Lower Upper

73 100

57 22.2 17.0 25.6



#20

Methylene Chloride

Concen: 48.48 ug/l

RT: 4.90 min Scan# 544

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Tgt Ion: 84 Resp: 103035

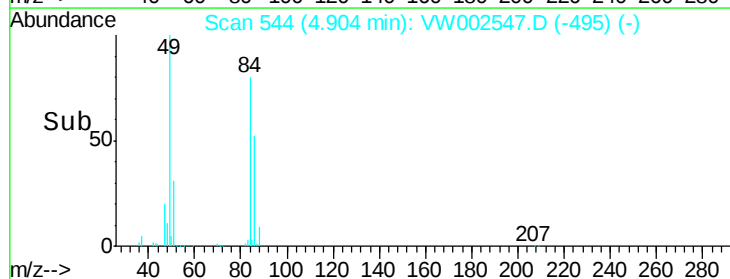
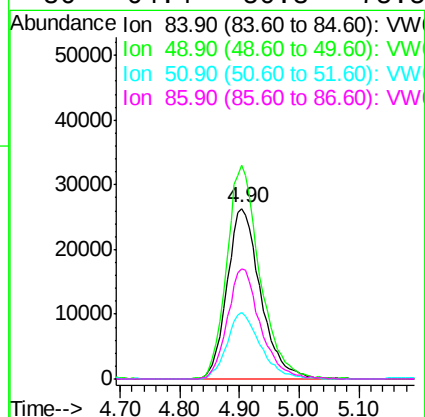
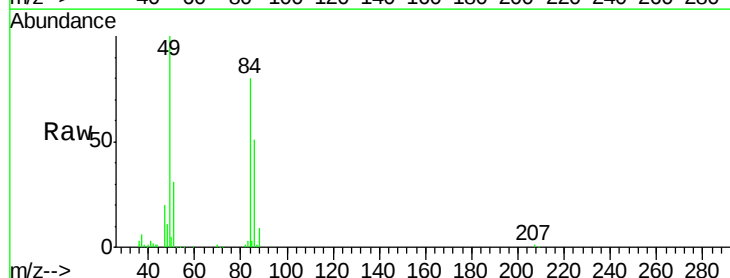
Ion Ratio Lower Upper

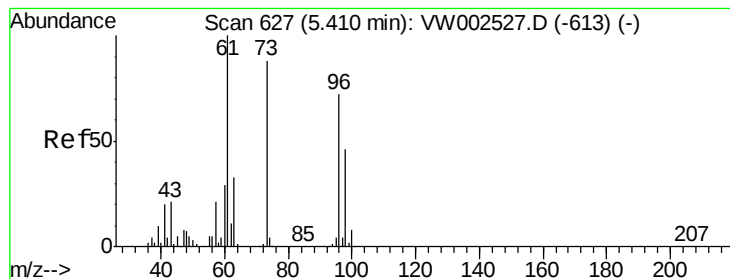
84 100

49 125.1 99.4 149.0

51 38.7 29.0 43.6

86 64.4 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 49.59 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampleId :

BFB

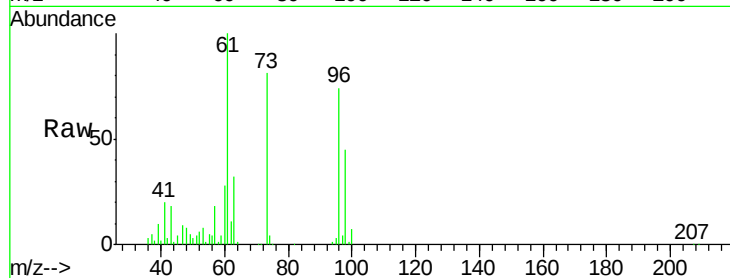
Tgt Ion: 96 Resp: 109610

Ion Ratio Lower Upper

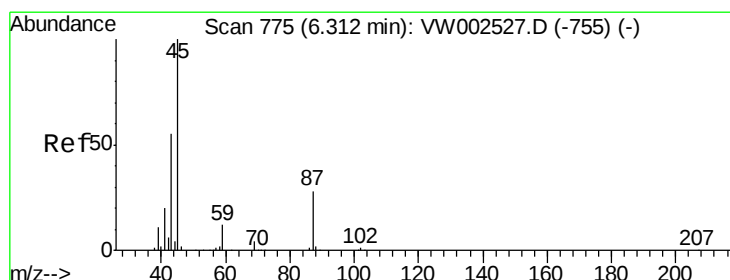
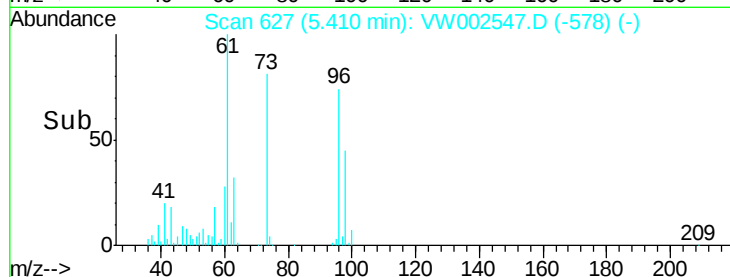
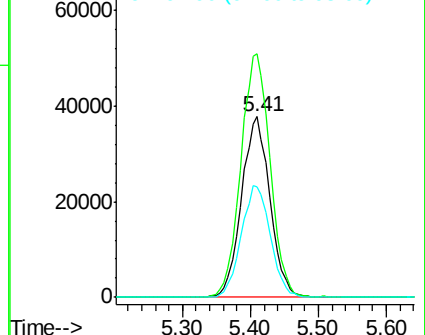
96 100

61 135.0 111.6 167.4

98 61.0 51.7 77.5



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: 47.53 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Tgt Ion: 45 Resp: 319444

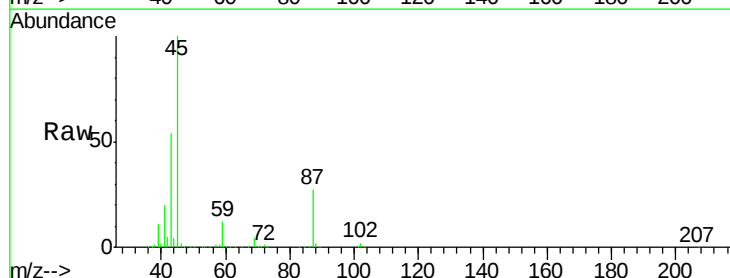
Ion Ratio Lower Upper

45 100

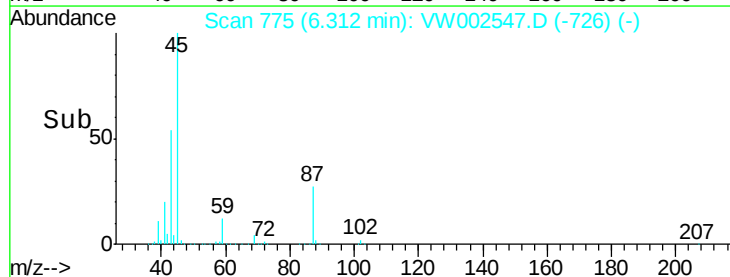
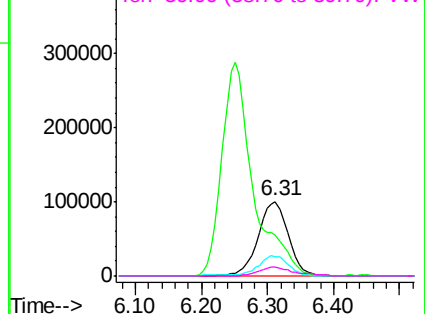
43 53.9 44.4 66.6

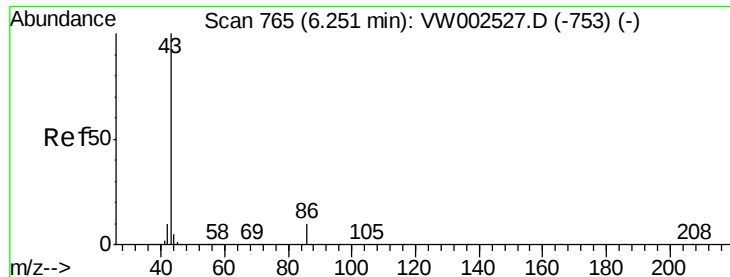
87 26.4 23.0 34.4

59 11.3 9.4 14.2



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: 233.28 ug/l

RT: 6.25 min Scan# 765

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampleId :

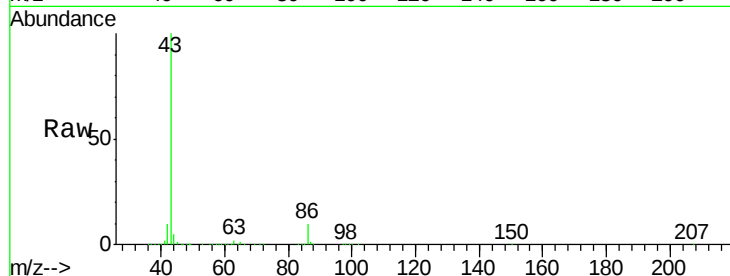
BFB

Tgt Ion: 43 Resp: 950186

Ion Ratio Lower Upper

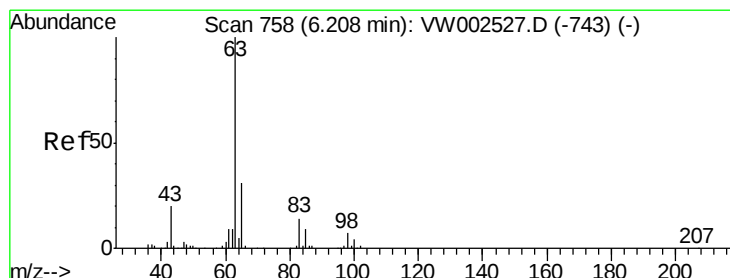
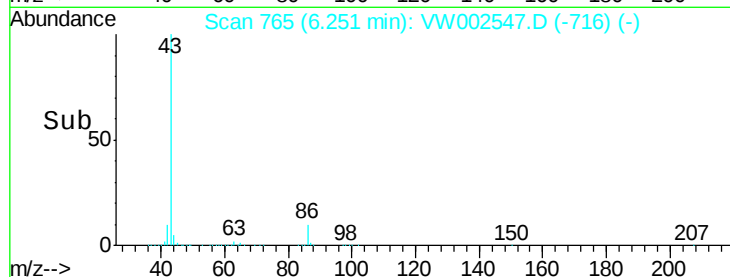
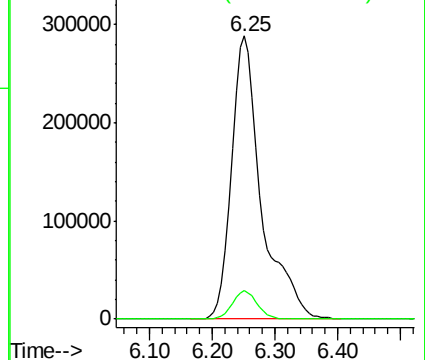
43 100

86 10.2 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.66 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

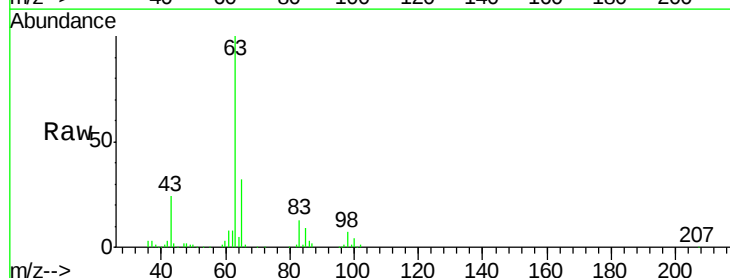
Tgt Ion: 63 Resp: 201146

Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.9

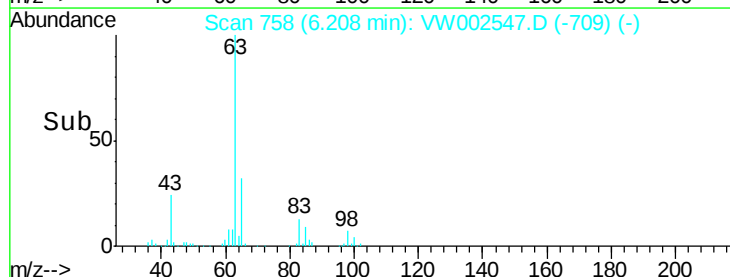
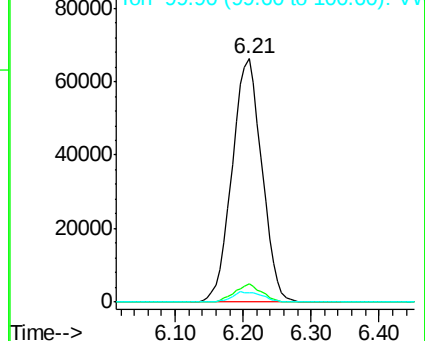
100 4.1 2.1 6.5

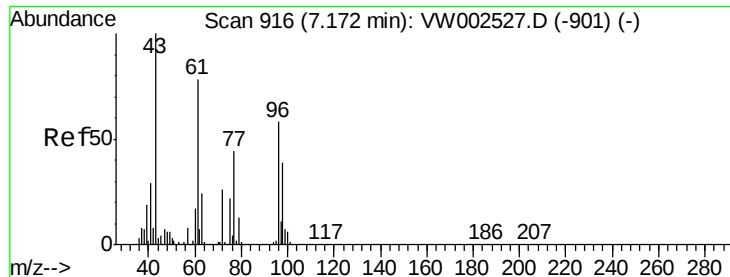


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 214.72 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

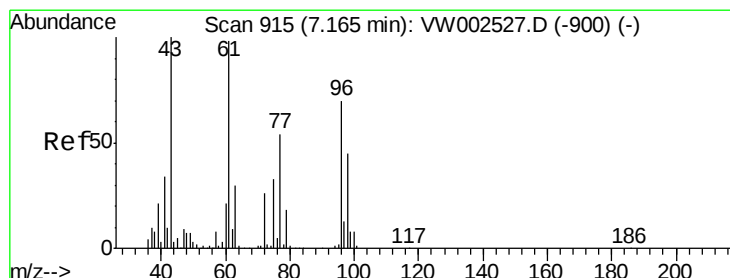
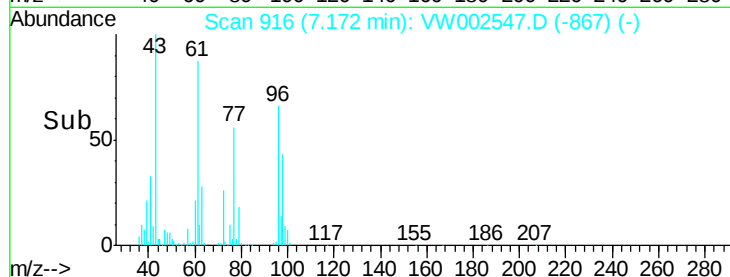
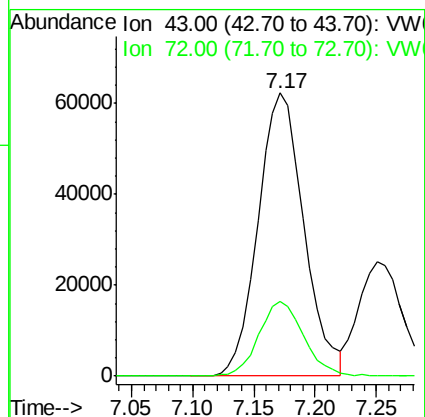
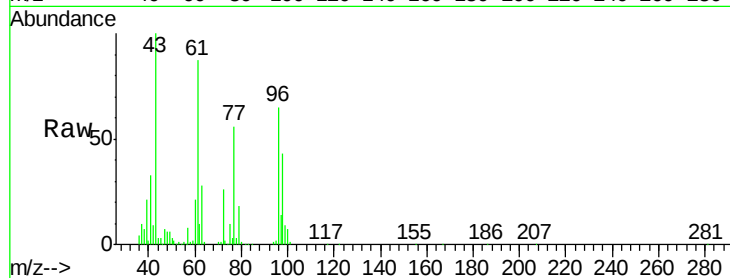
BFB

Tgt Ion: 43 Resp: 161923

Ion Ratio Lower Upper

43 100

72 26.4 20.9 31.3



#26

2,2-Dichloropropane

Concen: 53.90 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002547.D

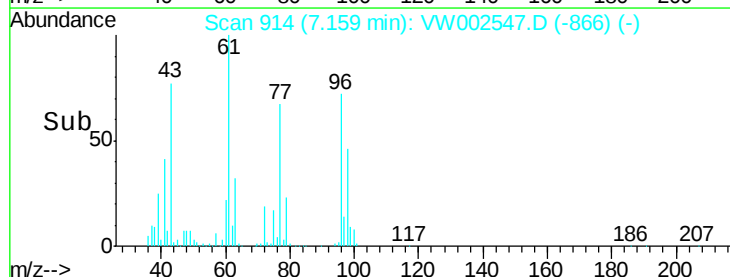
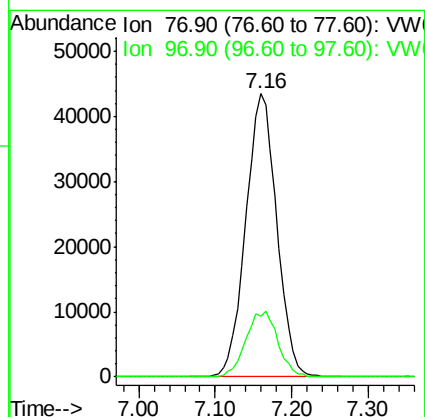
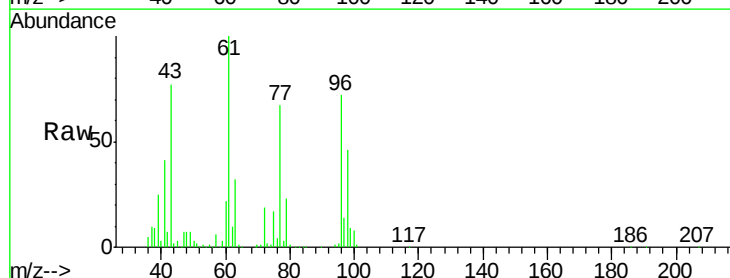
Acq: 15 May 2018 12:09

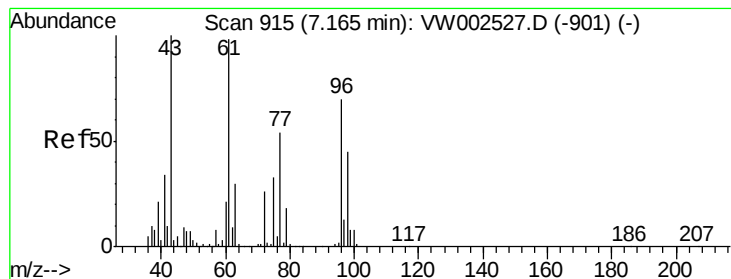
Tgt Ion: 77 Resp: 122342

Ion Ratio Lower Upper

77 100

97 23.9 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 48.25 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

BFB

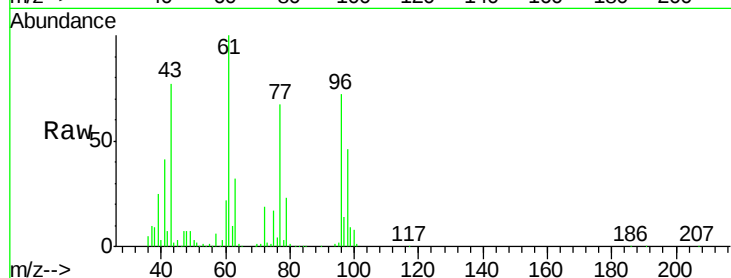
Tgt Ion: 96 Resp: 121668

Ion Ratio Lower Upper

96 100

61 142.4 0.0 281.6

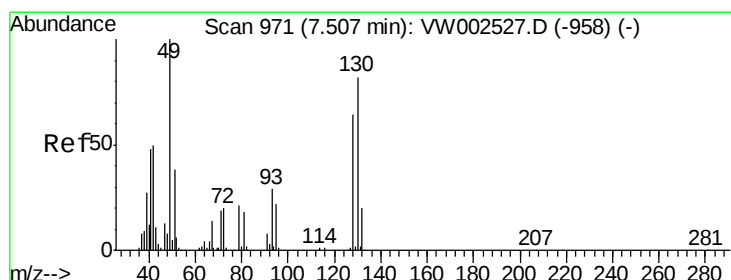
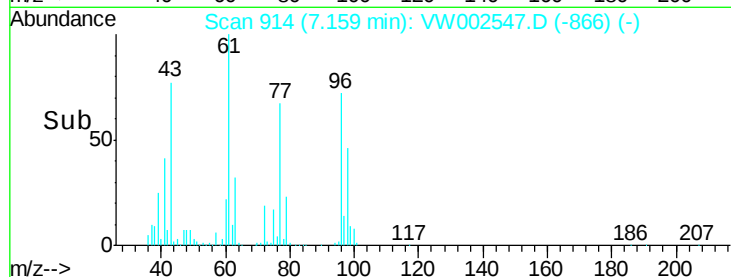
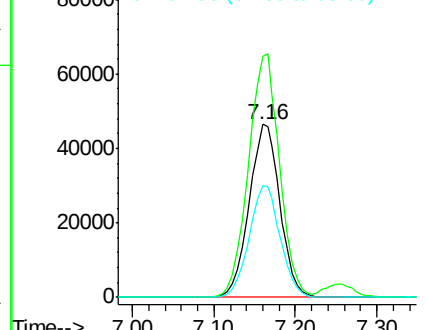
98 65.2 0.0 130.8



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: 44.26 ug/l

RT: 7.51 min Scan# 971

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

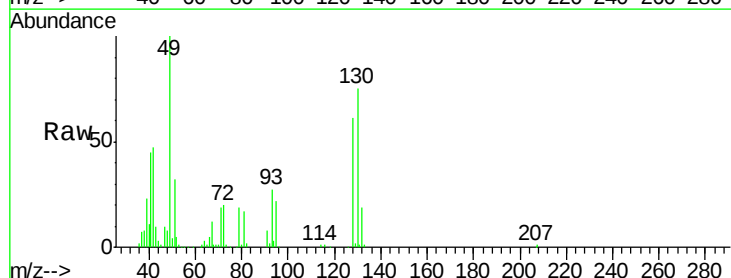
Tgt Ion: 49 Resp: 80032

Ion Ratio Lower Upper

49 100

129 1.4 0.0 4.4

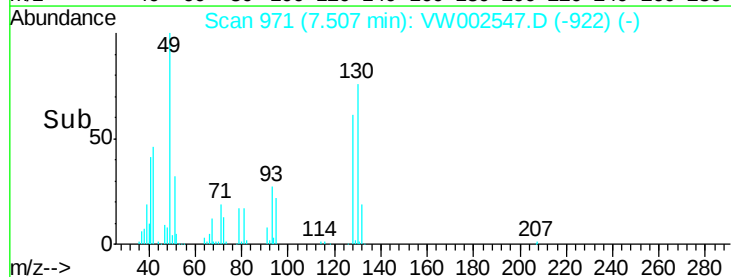
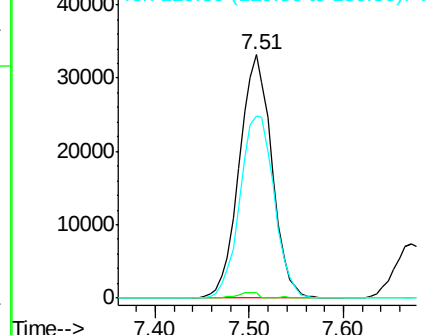
130 79.1 64.7 97.1

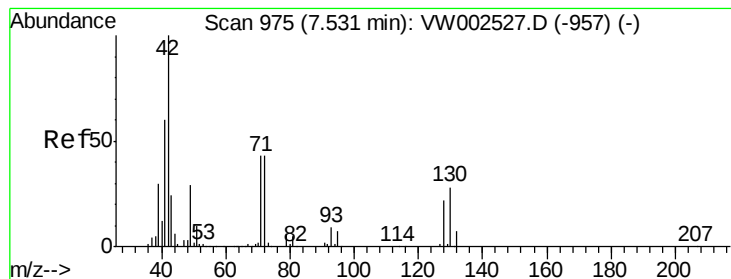


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 202.23 ug/l

RT: 7.53 min Scan# 974

Delta R.T. -0.01 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampleId :

BFB

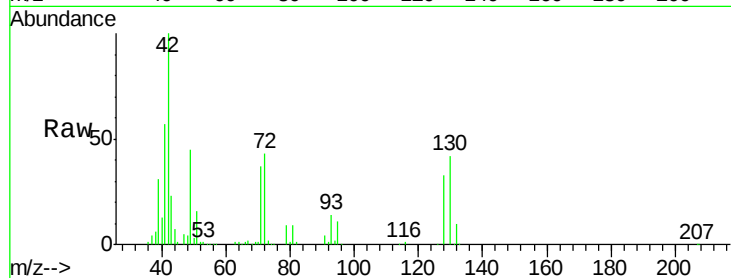
Tgt Ion: 42 Resp: 95265

Ion Ratio Lower Upper

42 100

72 42.8 35.0 52.4

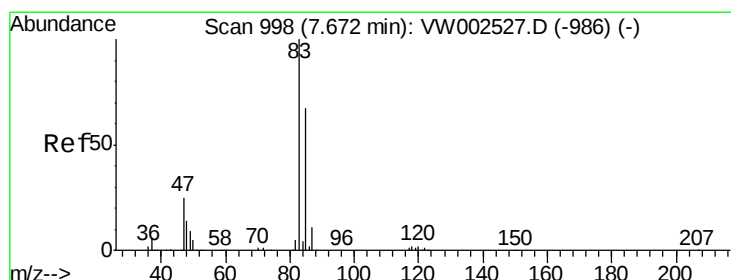
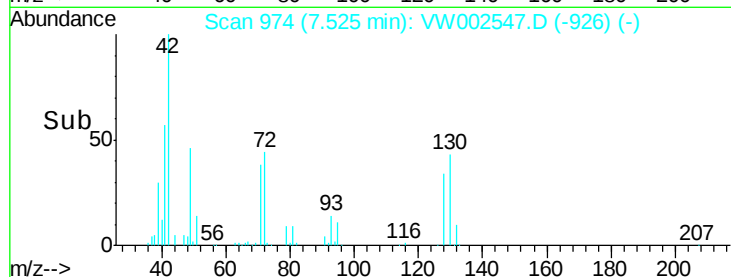
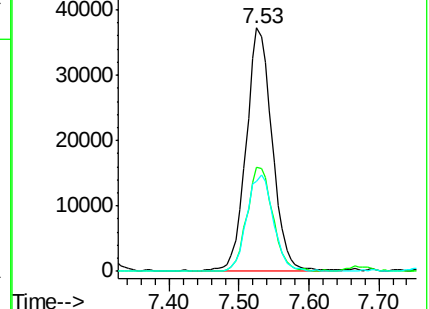
71 40.8 33.0 49.6



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: 48.59 ug/l

RT: 7.67 min Scan# 998

Delta R.T. 0.00 min

Lab File: VW002547.D

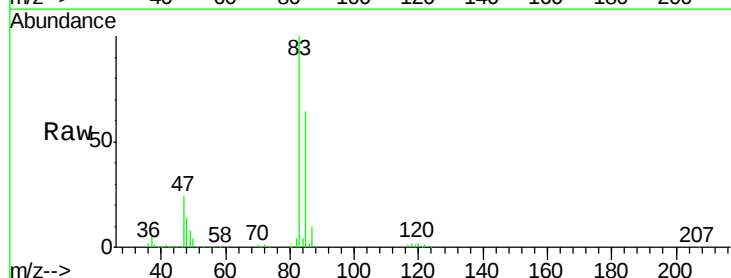
Acq: 15 May 2018 12:09

Tgt Ion: 83 Resp: 210164

Ion Ratio Lower Upper

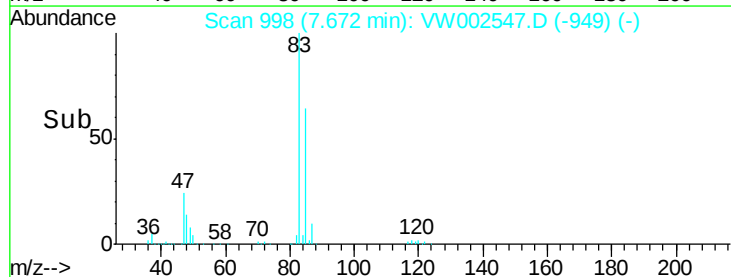
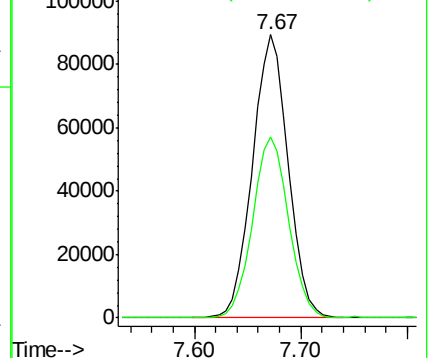
83 100

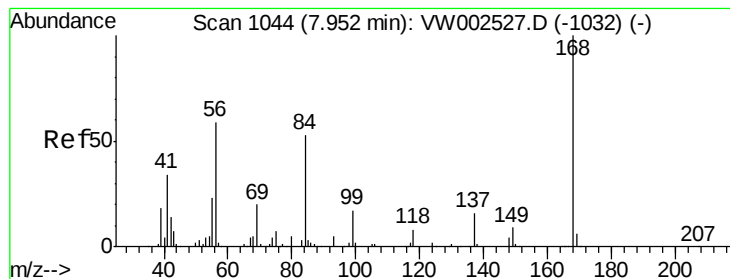
85 63.7 53.9 80.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 48.42 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

BFB

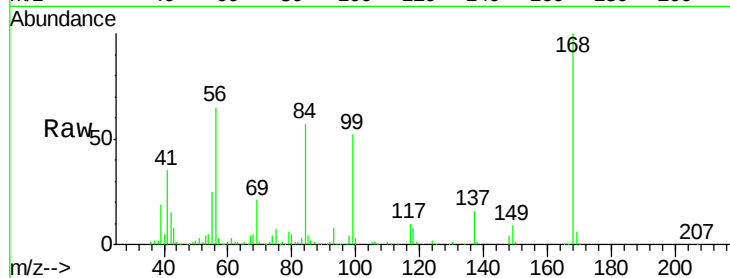
Tgt Ion: 56 Resp: 173757

Ion Ratio Lower Upper

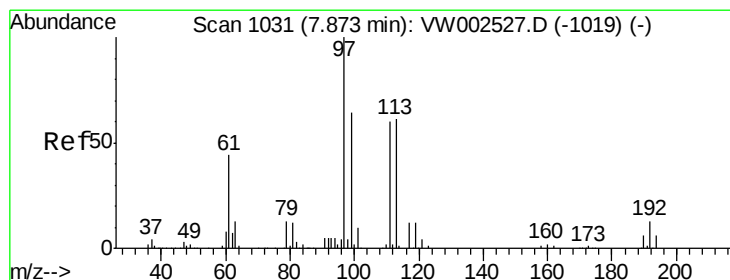
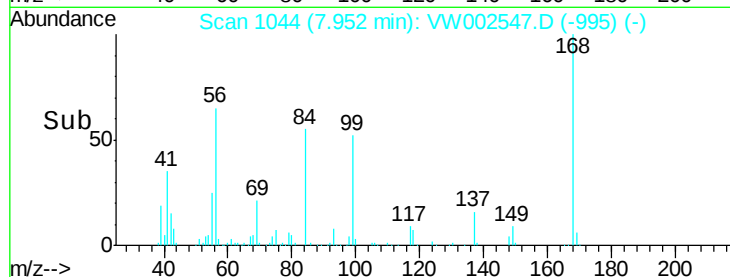
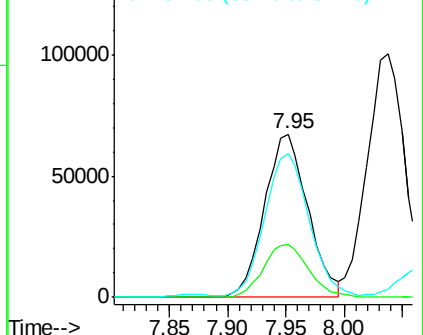
56 100

69 32.5 27.0 40.4

84 86.1 72.2 108.2



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



#32

1,1,1-Trichloroethane

Concen: 51.12 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

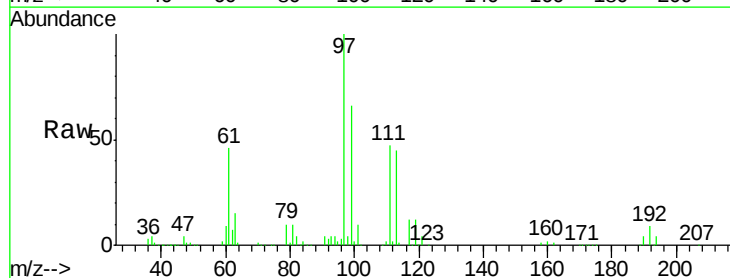
Tgt Ion: 97 Resp: 166763

Ion Ratio Lower Upper

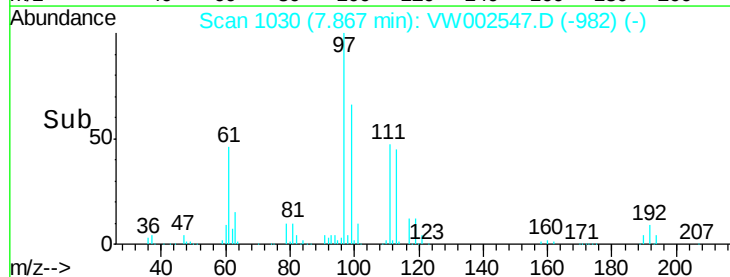
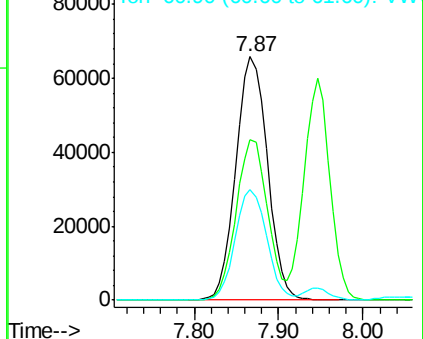
97 100

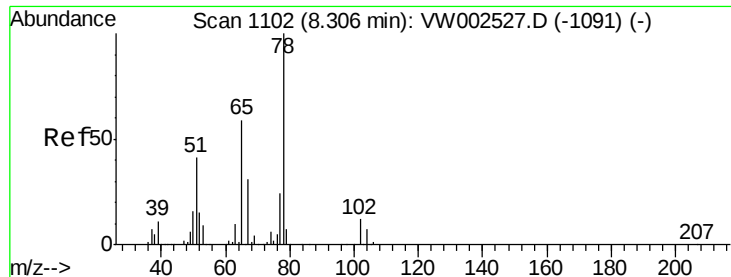
99 66.2 51.1 76.7

61 45.3 35.9 53.9



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

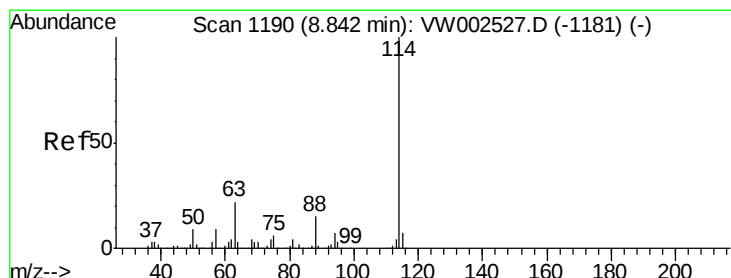
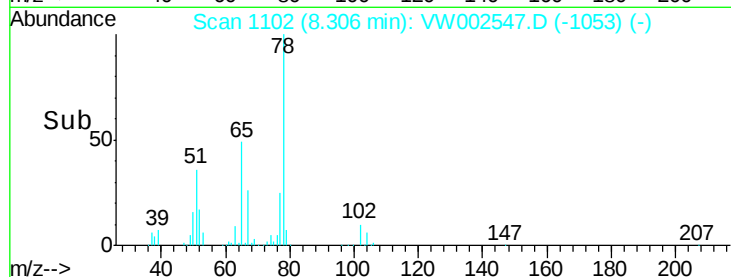
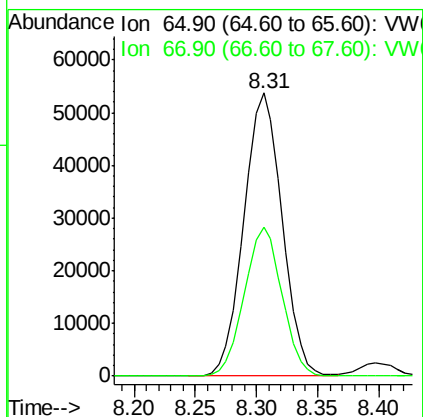
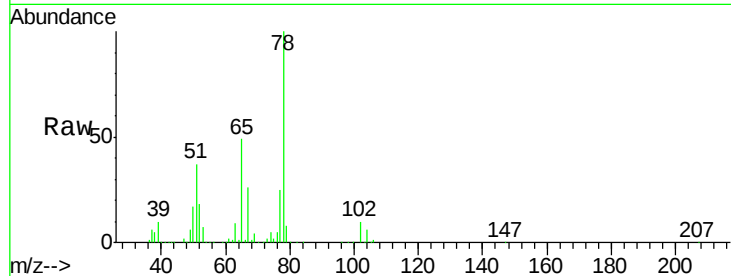




#33
 1,2-Dichloroethane-d4
 Concen: 46.43 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

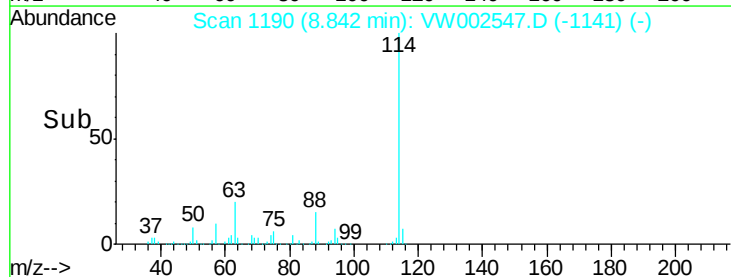
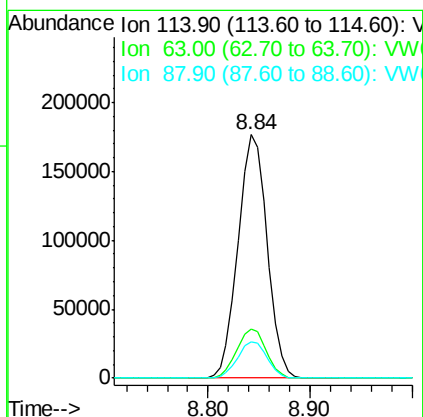
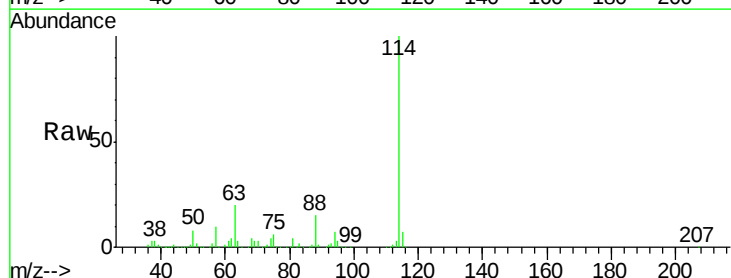
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

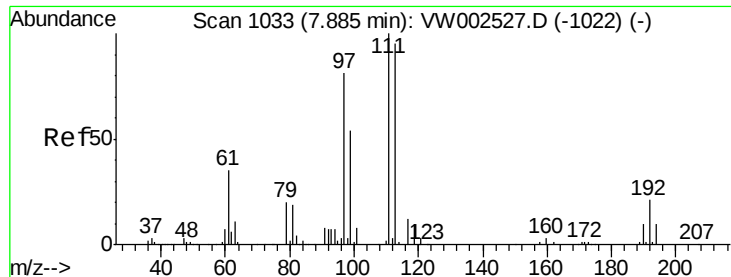
Tgt Ion: 65 Resp: 117284
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion: 114 Resp: 349951
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 43.2
 88 15.0 0.0 29.2

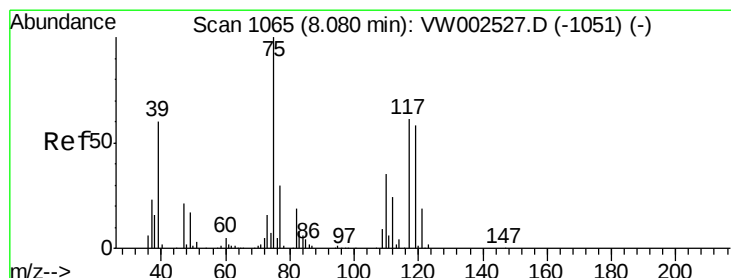
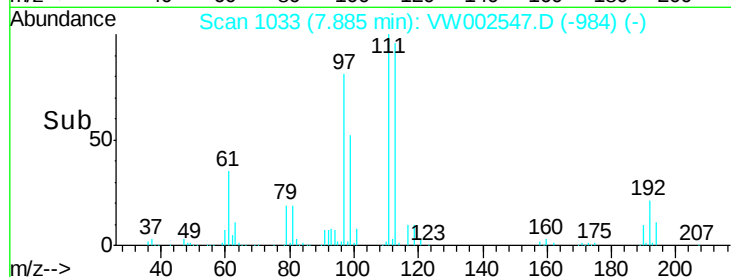
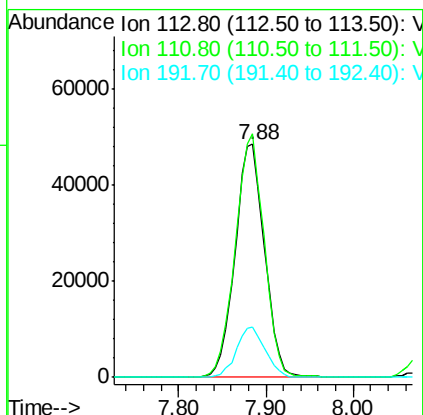
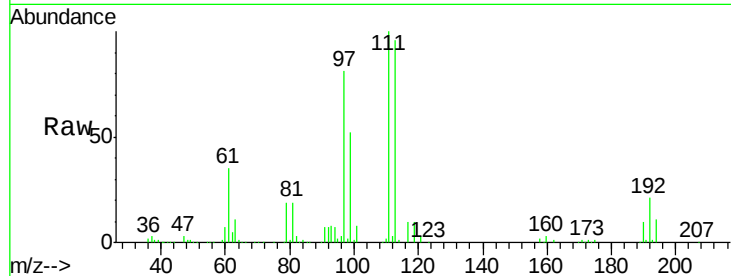




#35
 Dibromofluoromethane
 Concen: 51.12 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

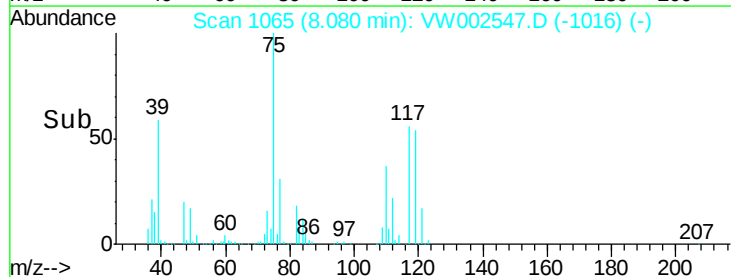
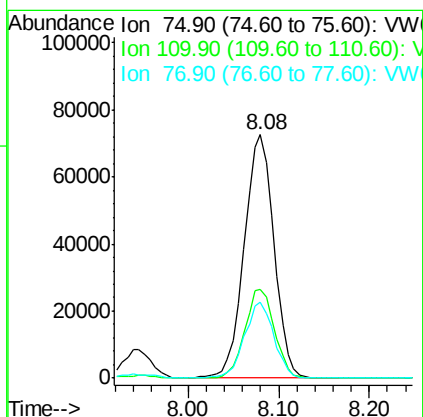
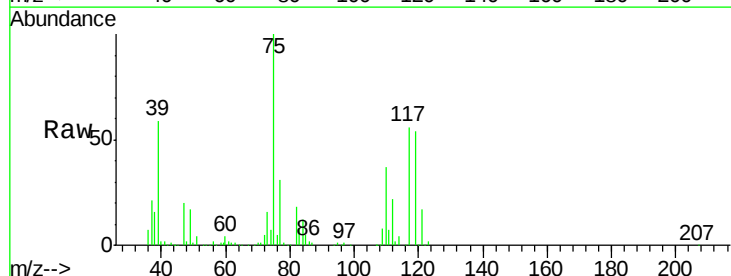
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

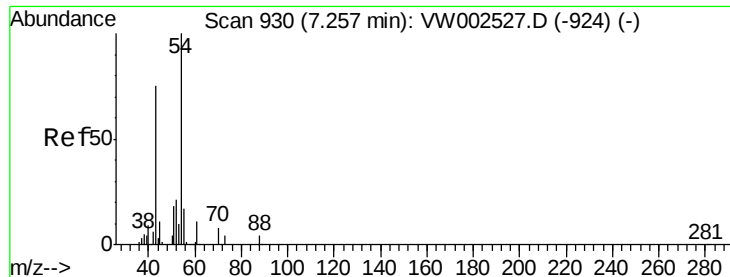
Tgt Ion: 113 Resp: 113498
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.8 122.8
 192 21.1 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 53.20 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion: 75 Resp: 164293
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.8 53.5
 77 31.0 24.5 36.7

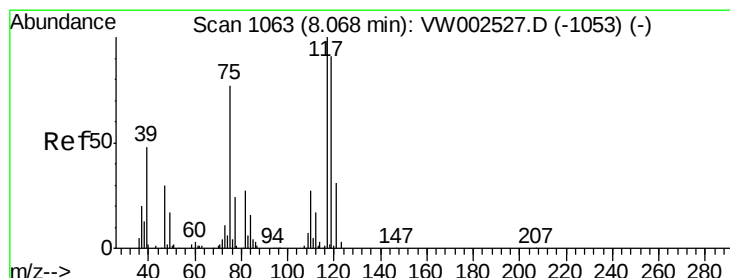
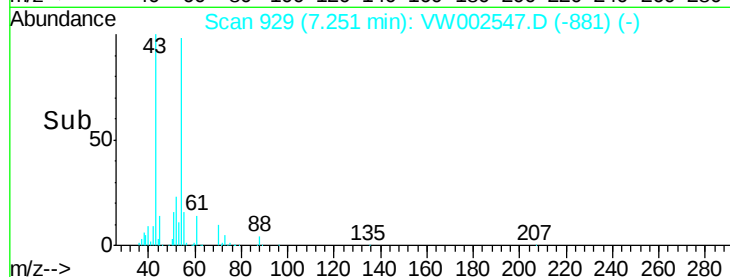
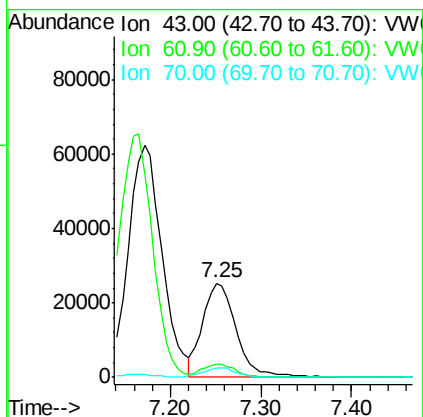
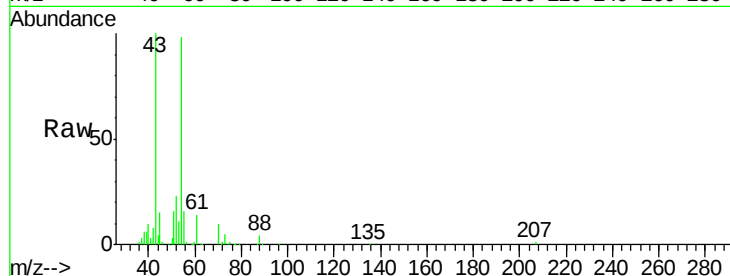




#37
 Ethyl Acetate
 Concen: 42.27 ug/l
 RT: 7.25 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

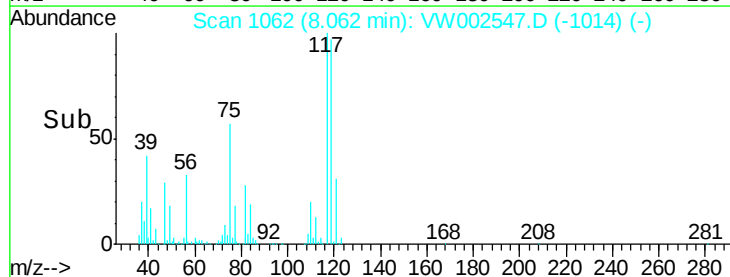
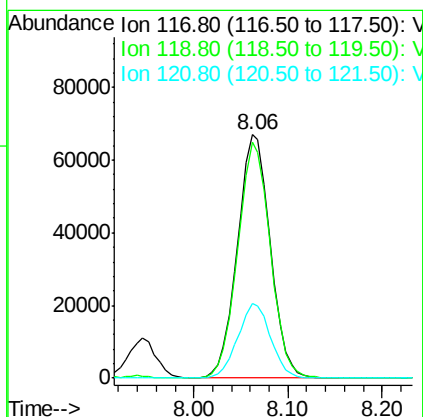
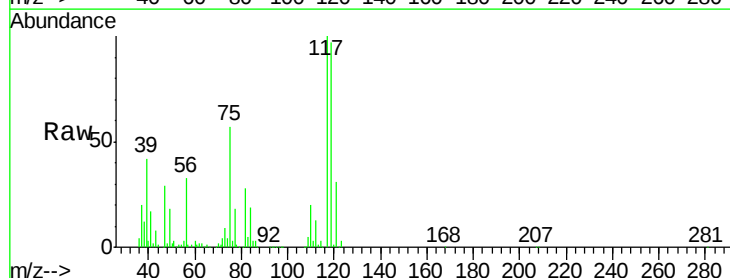
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

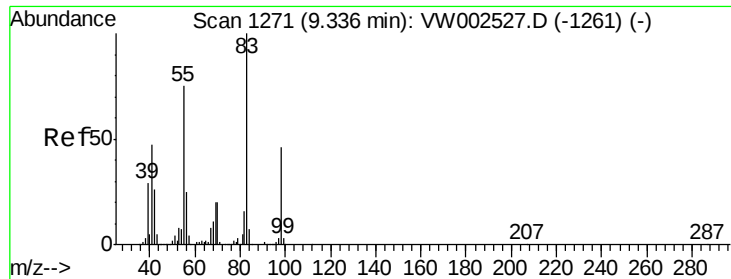
Tgt Ion: 43 Resp: 64736
 Ion Ratio Lower Upper
 43 100
 61 14.5 11.1 16.7
 70 10.2 7.8 11.8



#38
 Carbon Tetrachloride
 Concen: 54.06 ug/l
 RT: 8.06 min Scan# 1062
 Delta R.T. -0.01 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion: 117 Resp: 163466
 Ion Ratio Lower Upper
 117 100
 119 97.1 73.1 109.7
 121 30.7 24.4 36.6

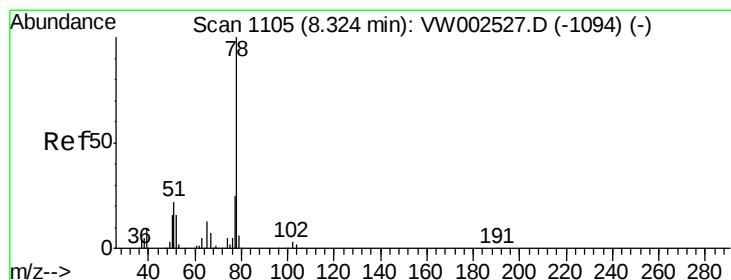
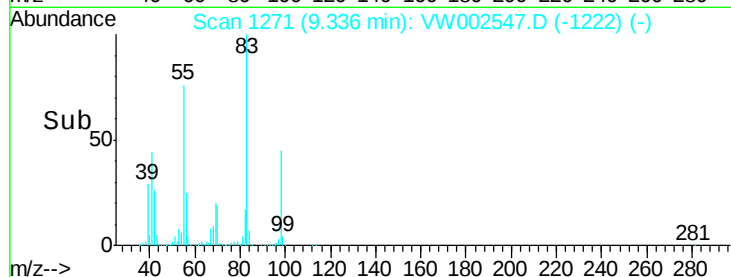
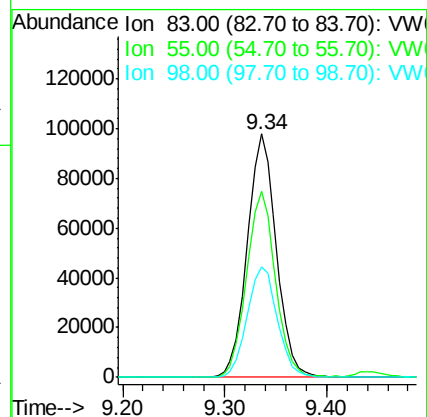
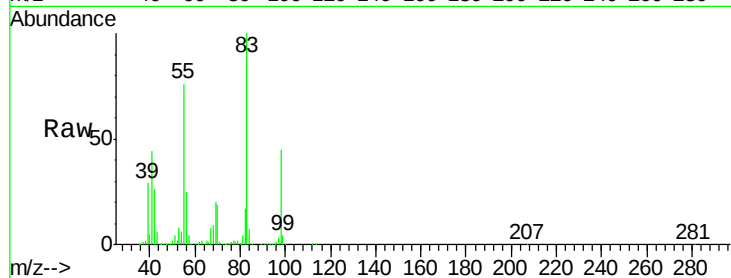




#39
Methylcyclohexane
Concen: 54.81 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

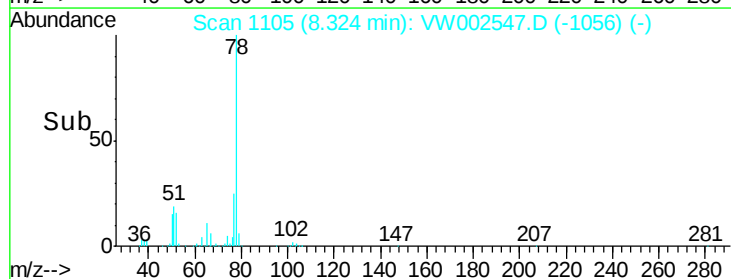
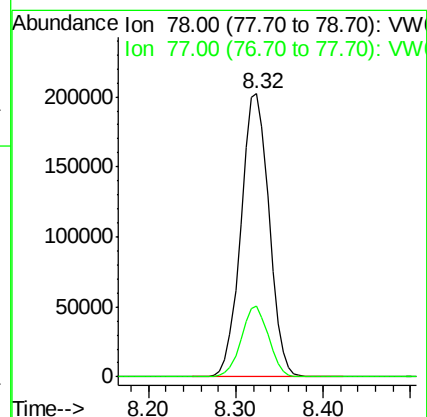
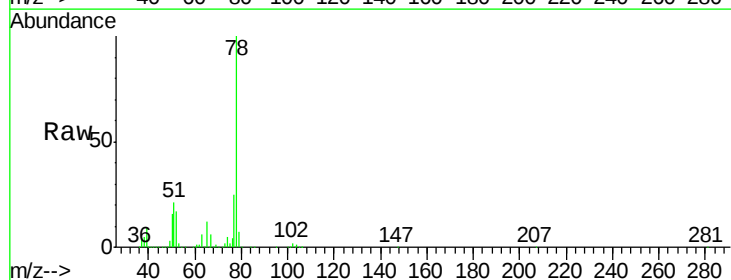
Instrument :
MSVOA_W
ClientSampled :
BFB

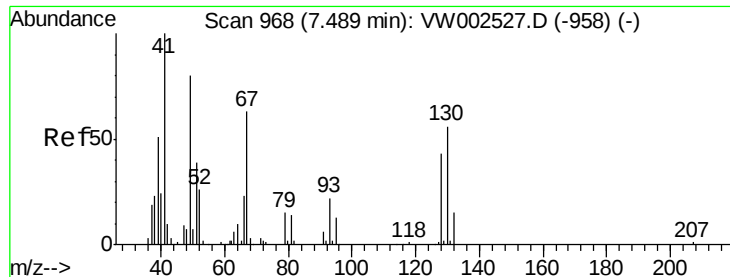
Tgt Ion: 83 Resp: 193866
Ion Ratio Lower Upper
83 100
55 76.2 60.0 90.0
98 45.3 37.0 55.4



#40
Benzene
Concen: 51.00 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

Tgt Ion: 78 Resp: 452236
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9

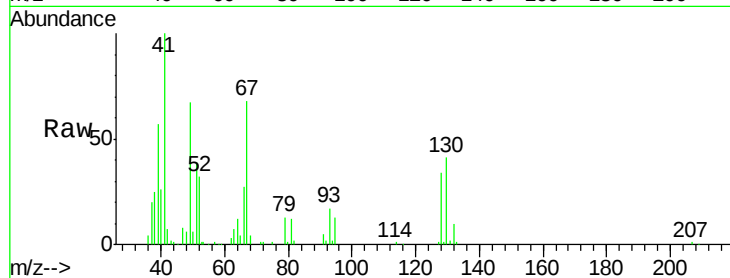




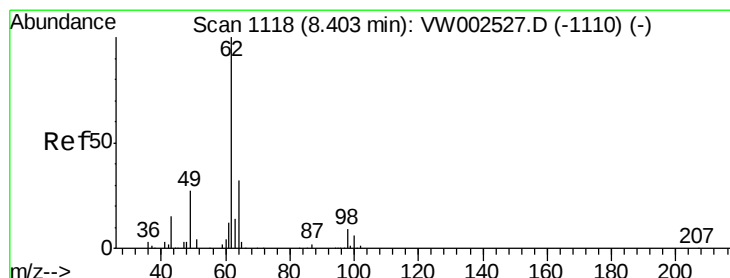
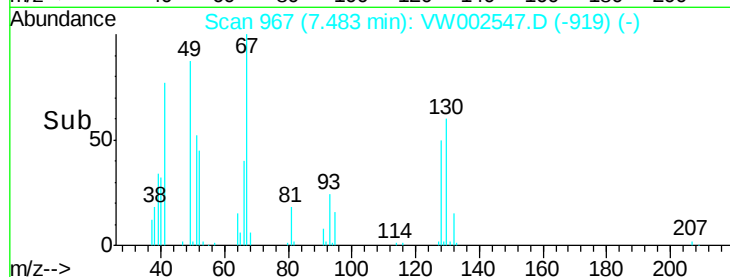
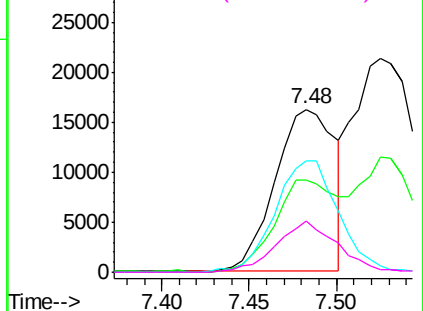
#41
Methacrylonitrile
Concen: 45.16 ug/l
RT: 7.48 min Scan# 967
Delta R.T. -0.01 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion:	41	Resp:	38715
Ion	Ratio	Lower	Upper
41	100		
39	57.3	51.8	77.8
67	72.9	59.9	89.9
52	32.9	26.6	39.8

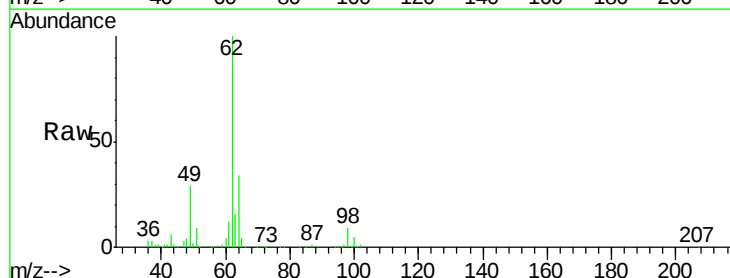


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

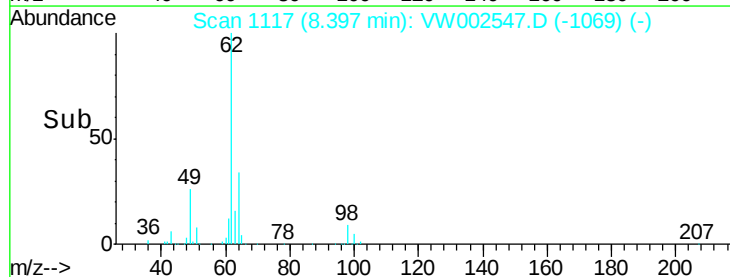
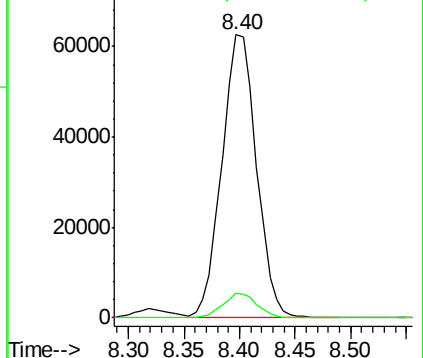


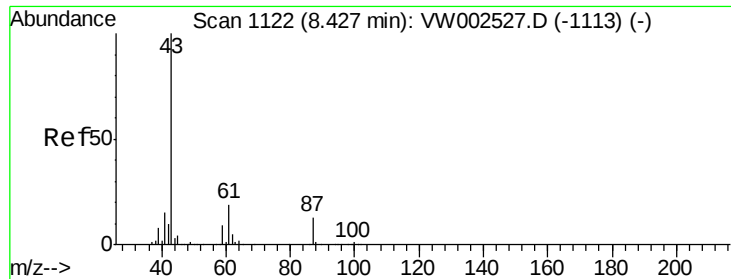
#42
1,2-Dichloroethane
Concen: 48.07 ug/l
RT: 8.40 min Scan# 1117
Delta R.T. -0.01 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

Tgt Ion:	62	Resp:	135363
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 43.78 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampleId :

BFB

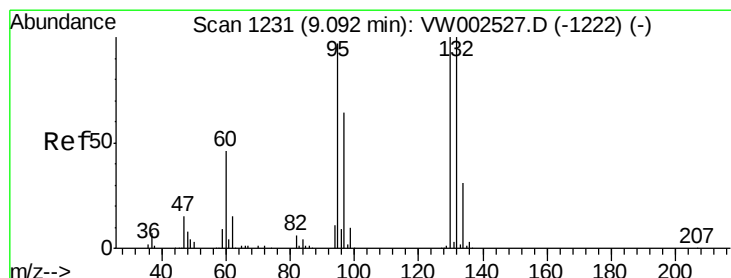
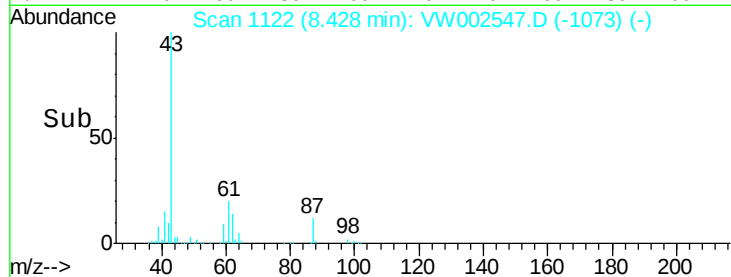
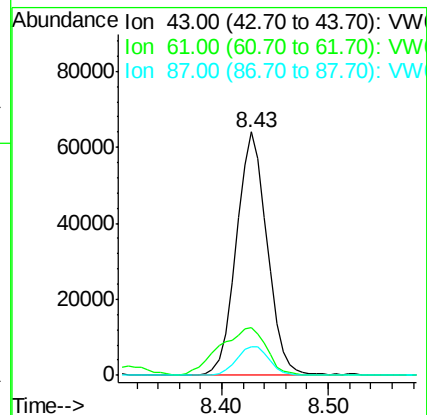
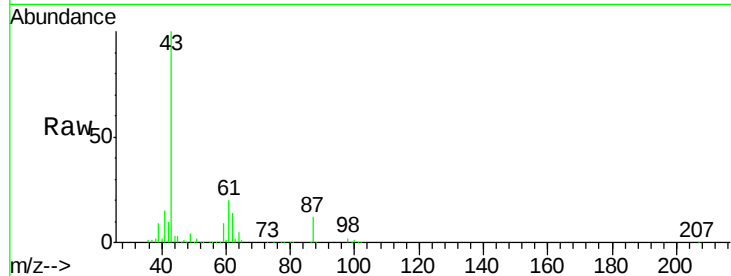
Tgt Ion: 43 Resp: 128981

Ion Ratio Lower Upper

43 100

61 29.8 23.0 34.6

87 12.8 10.6 15.8



#44

Trichloroethene

Concen: 51.89 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW002547.D

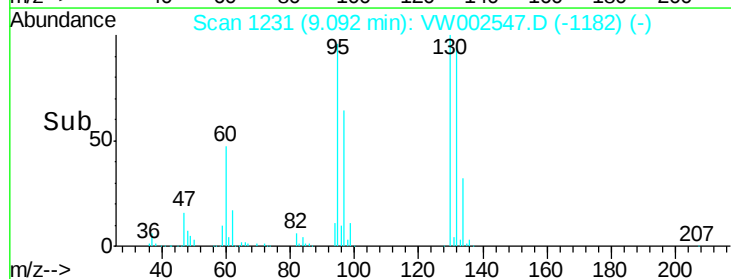
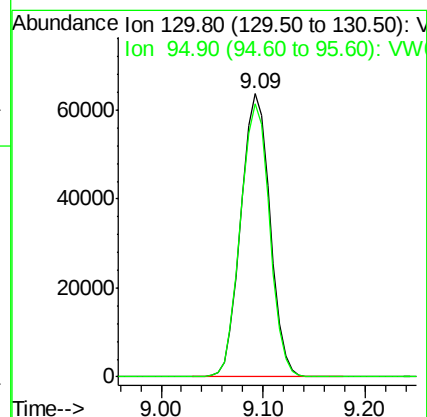
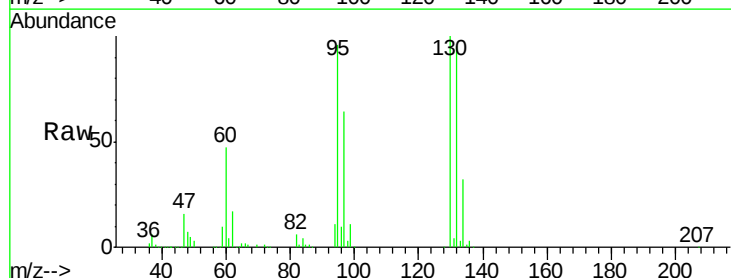
Acq: 15 May 2018 12:09

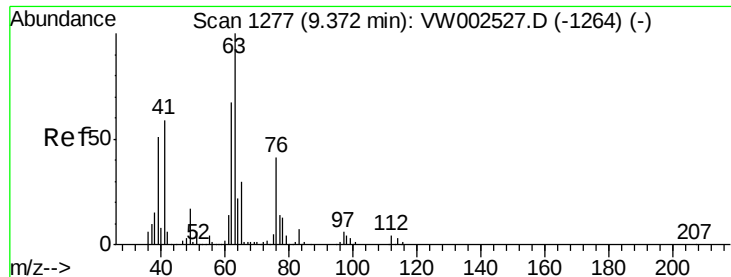
Tgt Ion: 130 Resp: 126083

Ion Ratio Lower Upper

130 100

95 96.4 0.0 194.6

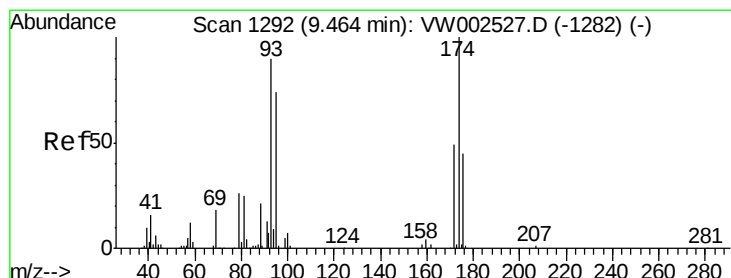
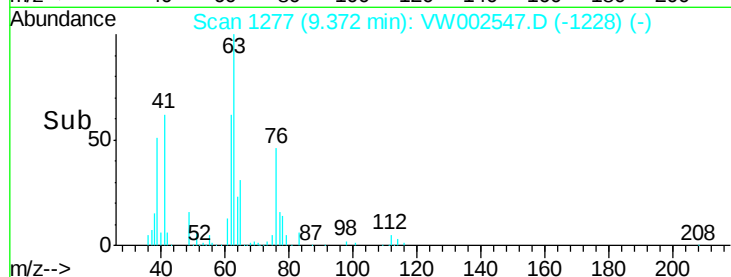
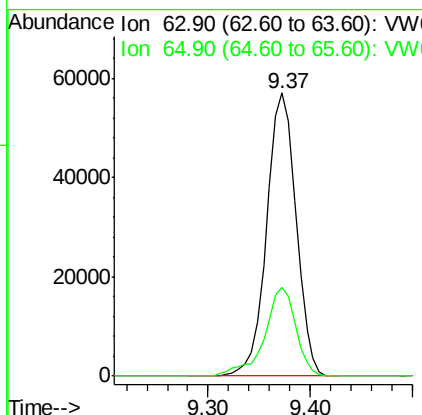
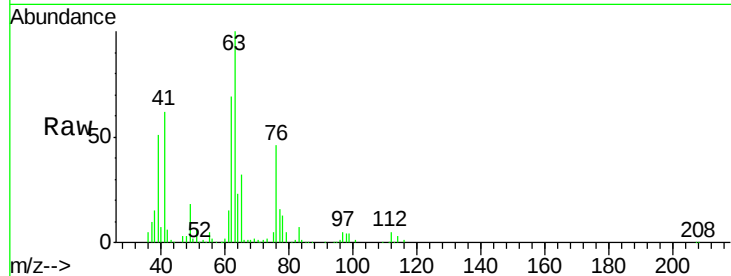




#45
 1,2-Dichloropropane
 Concen: 50.56 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

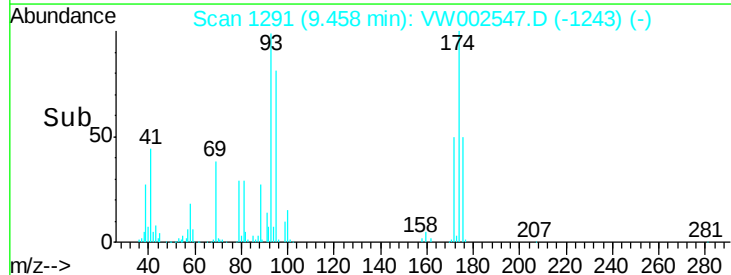
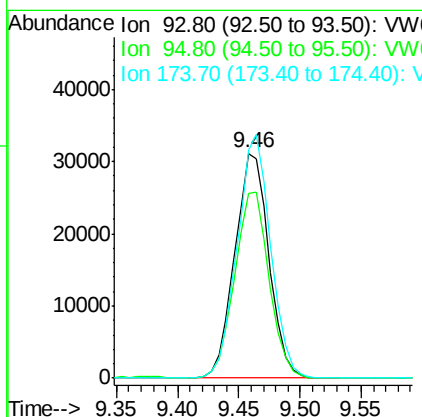
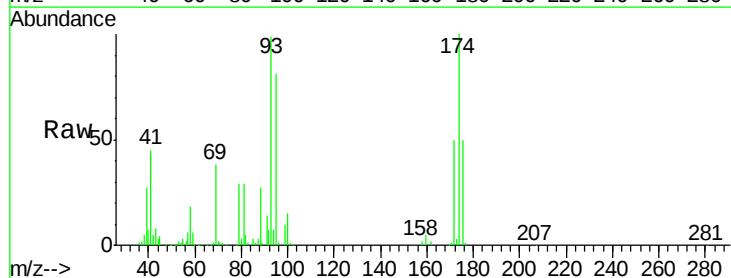
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

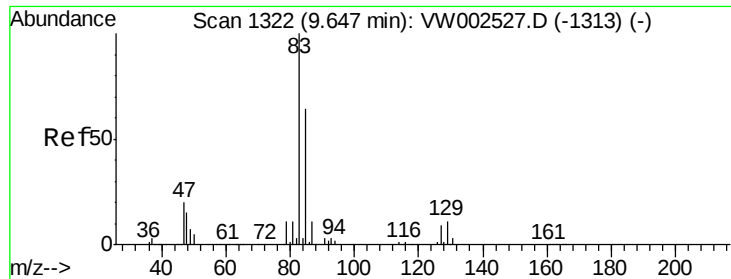
Tgt Ion: 63 Resp: 114239
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.4 36.6



#46
 Dibromomethane
 Concen: 46.81 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion: 93 Resp: 60177
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 106.4 84.0 126.0

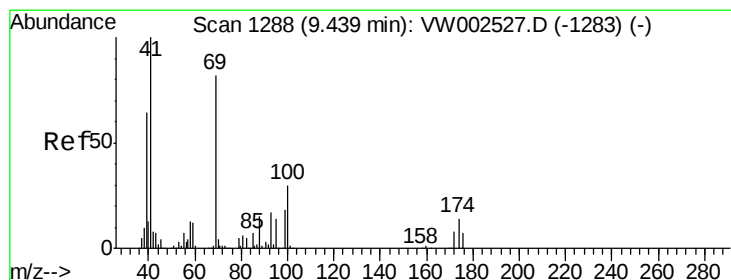
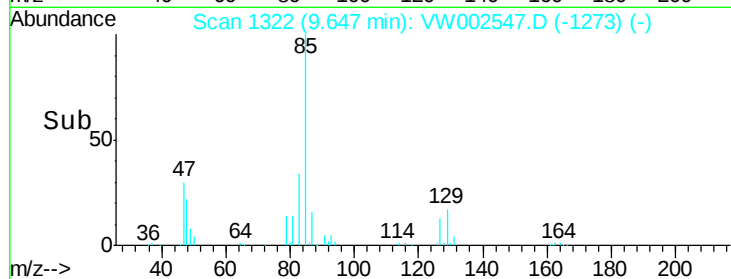
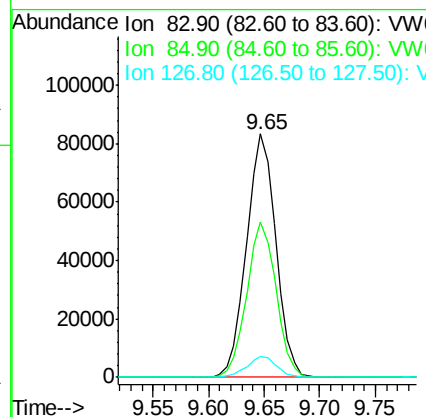
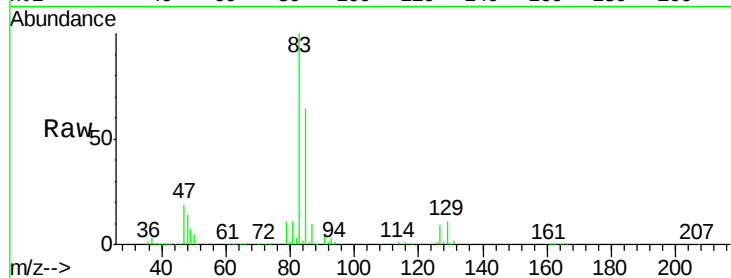




#47
 Bromodichloromethane
 Concen: 50.87 ug/l
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

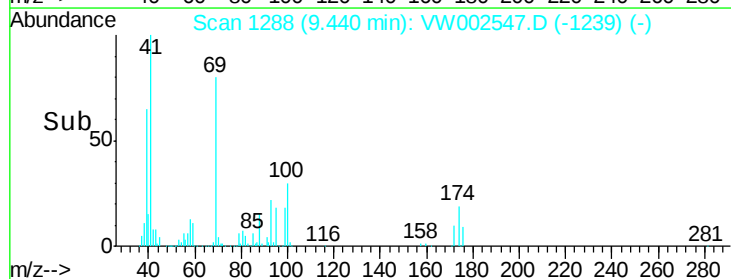
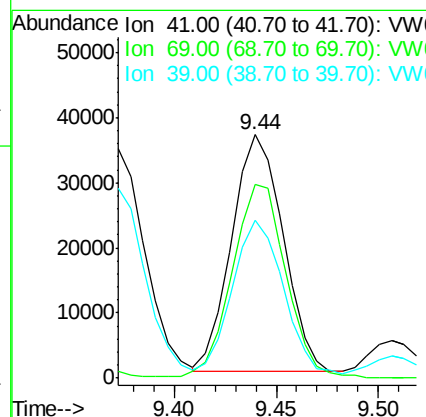
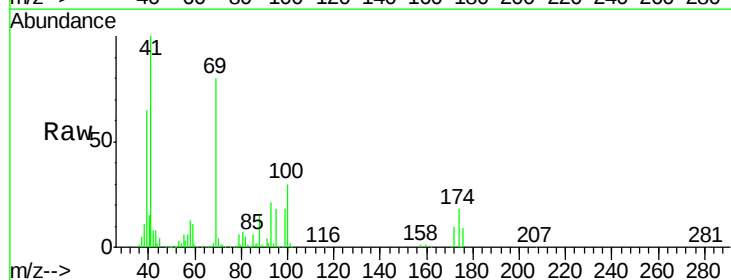
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

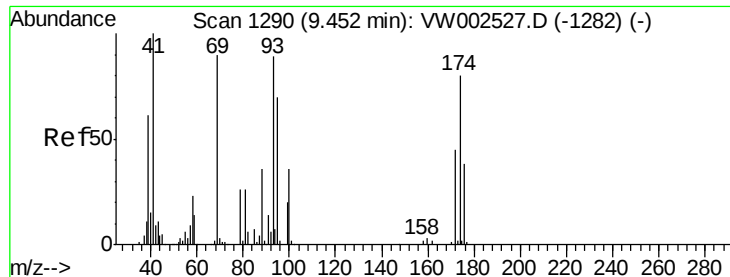
Tgt Ion: 83 Resp: 152540
 Ion Ratio Lower Upper
 83 100
 85 63.7 51.4 77.2
 127 8.5 7.0 10.4



#48
 Methyl methacrylate
 Concen: 44.54 ug/l
 RT: 9.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion: 41 Resp: 63569
 Ion Ratio Lower Upper
 41 100
 69 85.3 69.7 104.5
 39 68.1 55.0 82.4

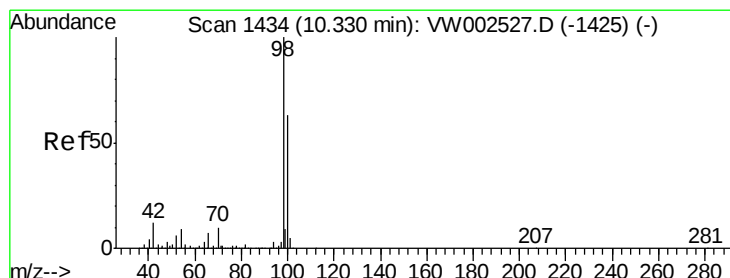
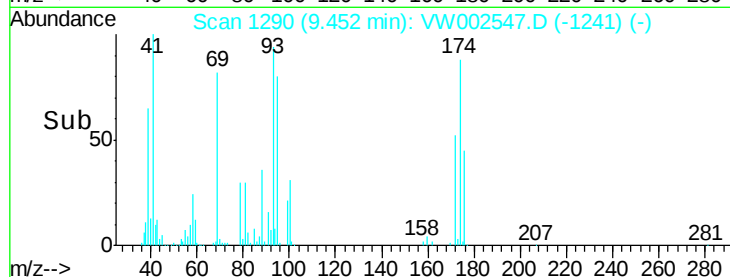
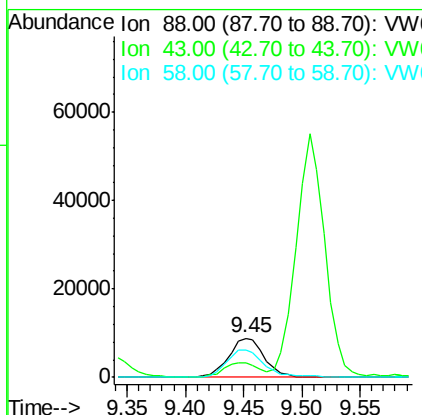
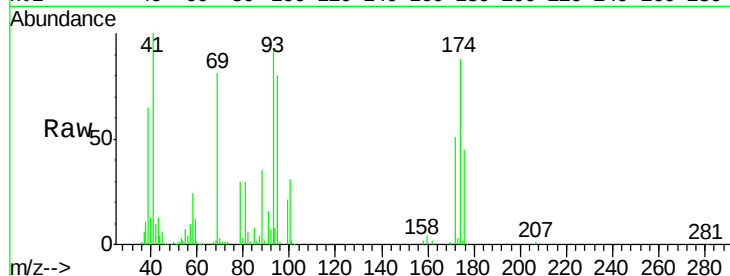




#49
 1,4-Dioxane
 Concen: 885.68 ug/l
 RT: 9.45 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

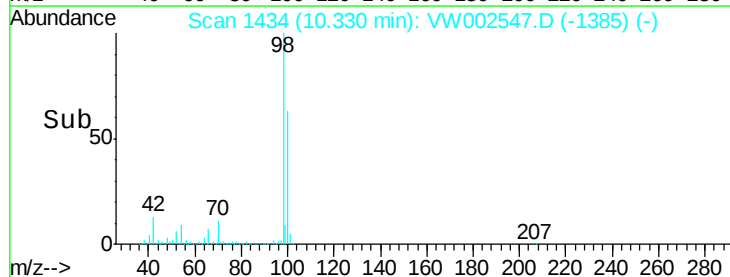
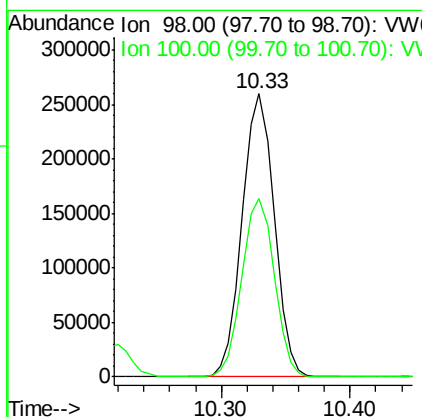
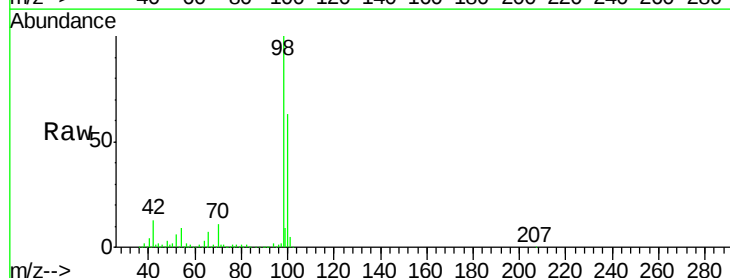
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

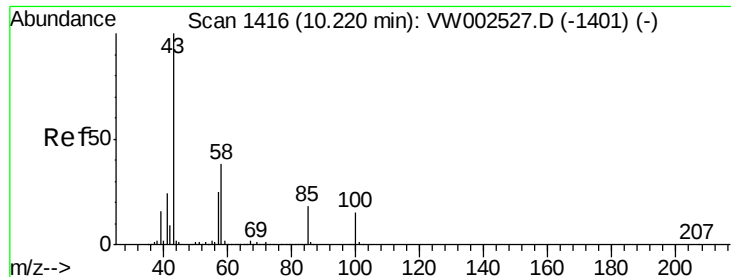
Tgt Ion: 88 Resp: 18977
 Ion Ratio Lower Upper
 88 100
 43 33.7 27.0 40.4
 58 74.8 56.9 85.3



#50
 Toluene-d8
 Concen: 53.09 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion: 98 Resp: 448447
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.0 76.4

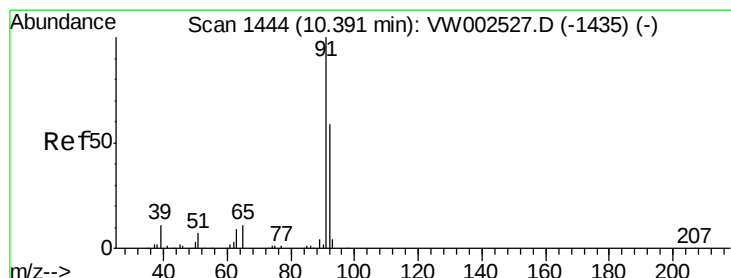
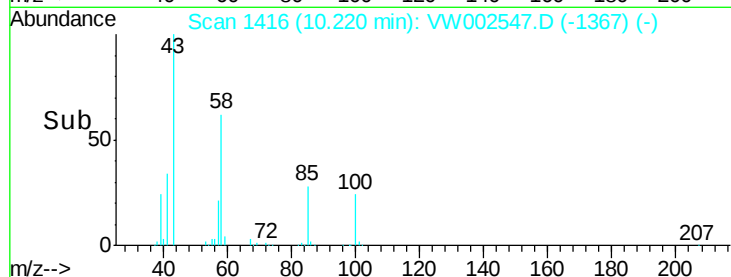
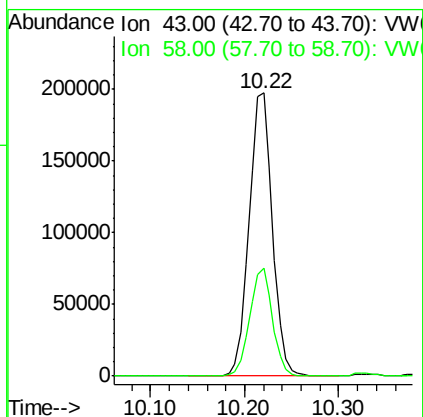
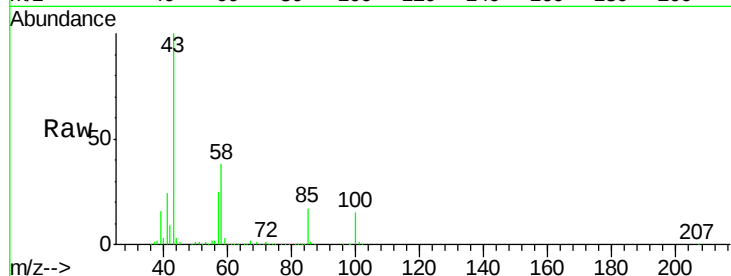




#51
 4-Methyl-2-Pentanone
 Concen: 212.50 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

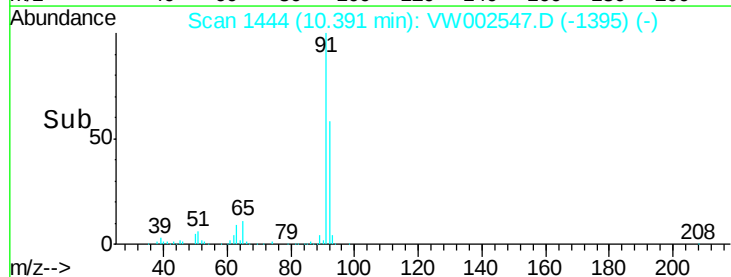
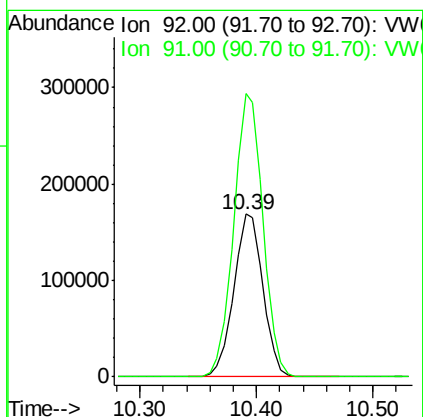
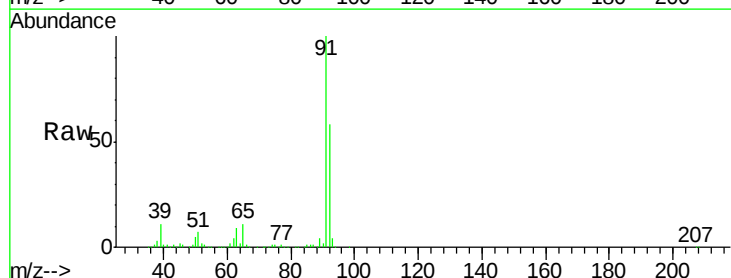
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

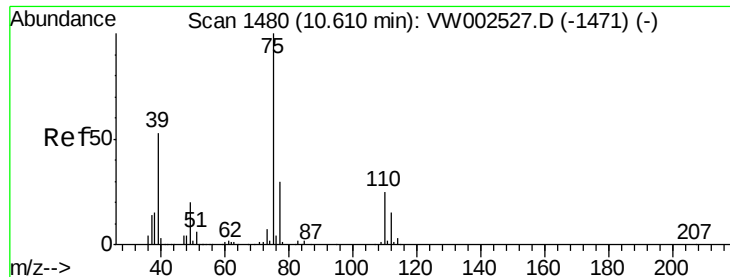
Tgt Ion: 43 Resp: 343694
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.1 45.1



#52
 Toluene
 Concen: 52.41 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion: 92 Resp: 293824
 Ion Ratio Lower Upper
 92 100
 91 174.2 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 50.77 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

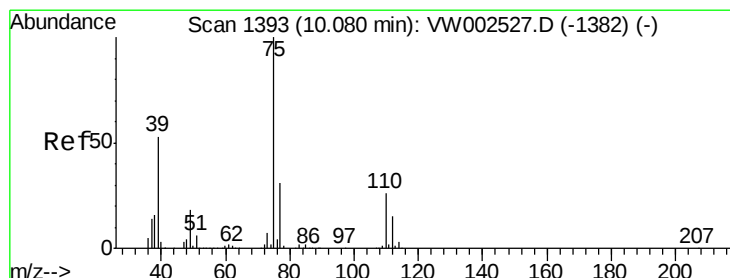
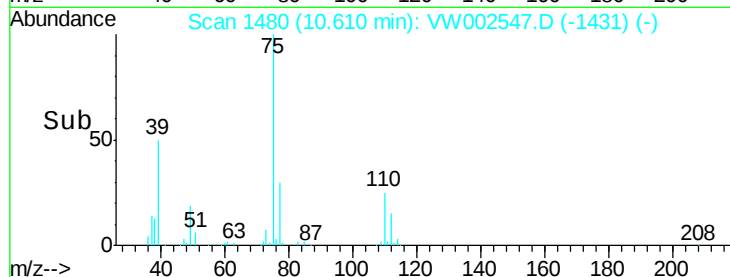
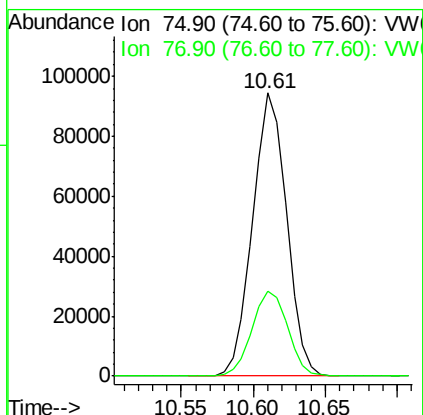
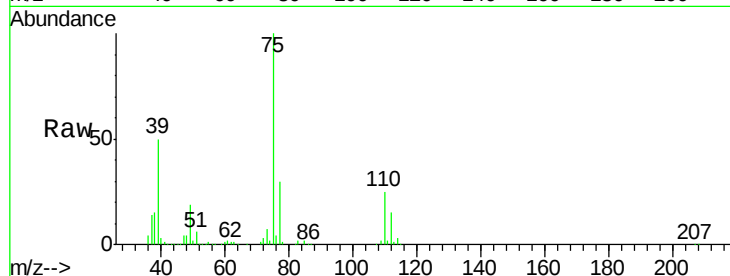
BFB

Tgt Ion: 75 Resp: 153937

Ion Ratio Lower Upper

75 100

77 29.9 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 51.09 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

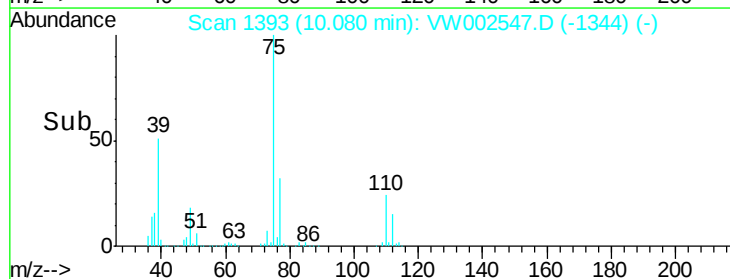
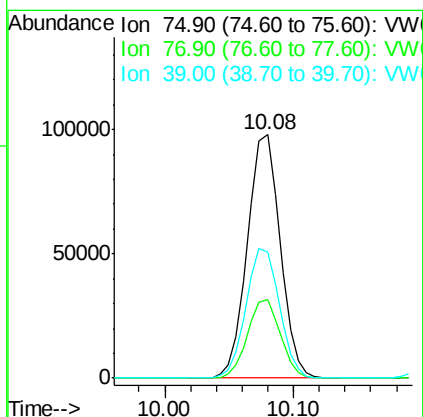
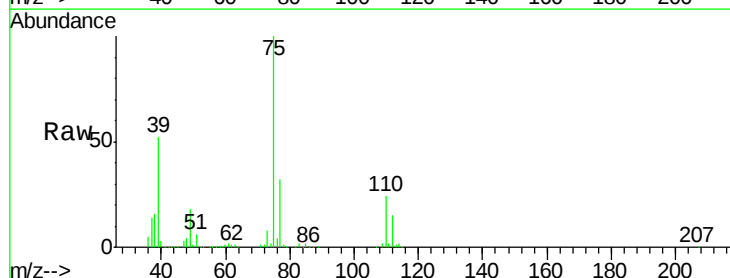
Tgt Ion: 75 Resp: 172678

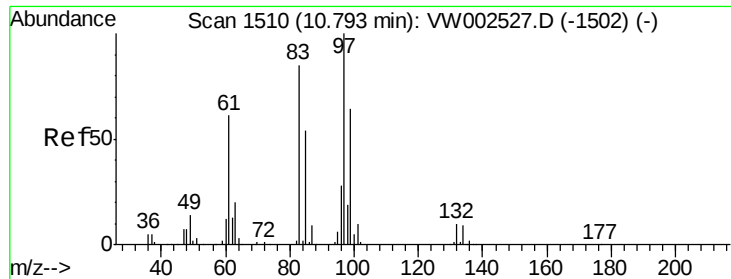
Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.4

39 51.4 42.5 63.7





#55

1,1,2-Trichloroethane

Concen: 46.45 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 84135

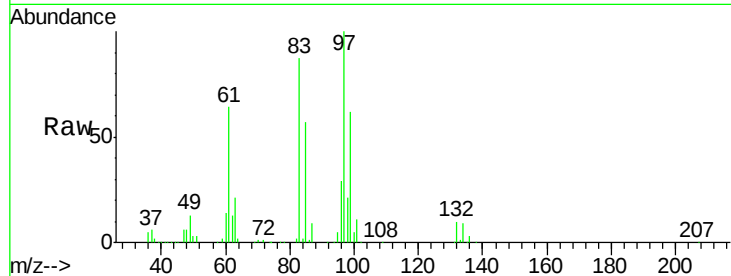
Ion Ratio Lower Upper

97 100

83 87.3 68.1 102.1

85 56.5 43.6 65.4

99 62.2 51.2 76.8

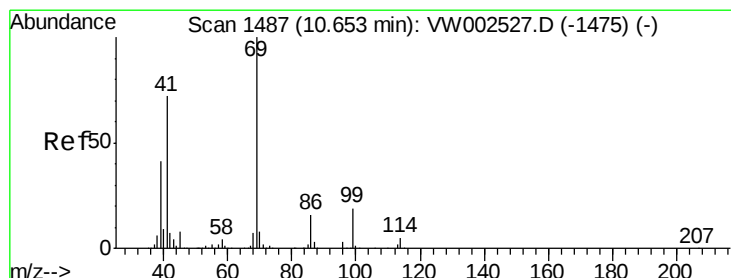
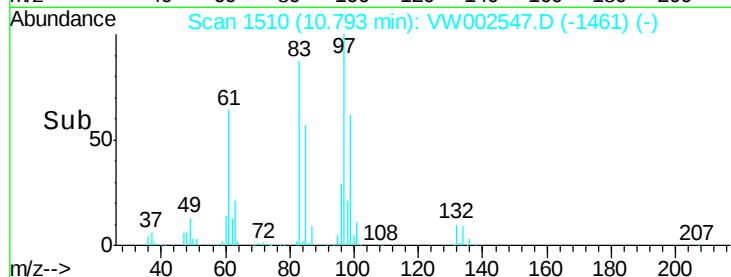
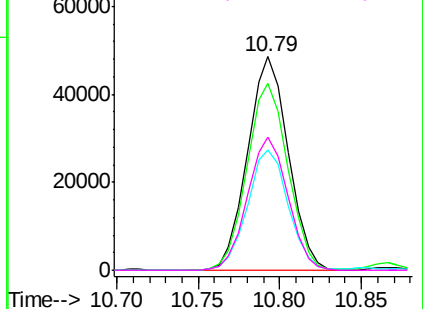


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 46.79 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

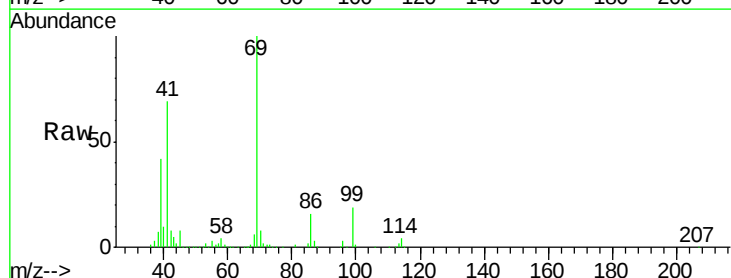
Tgt Ion: 69 Resp: 103272

Ion Ratio Lower Upper

69 100

41 68.4 55.3 82.9

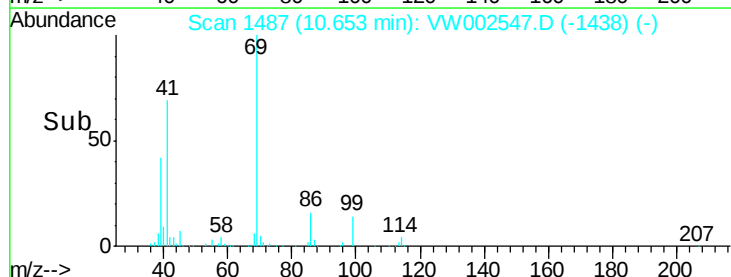
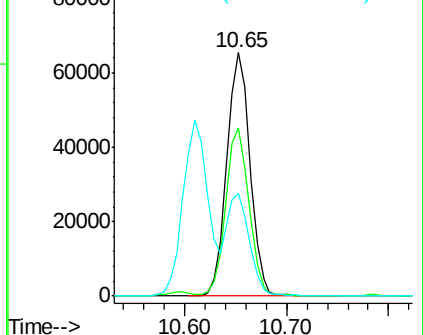
39 40.0 33.0 49.6

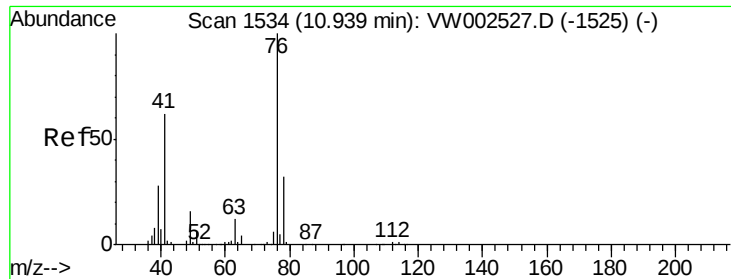


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

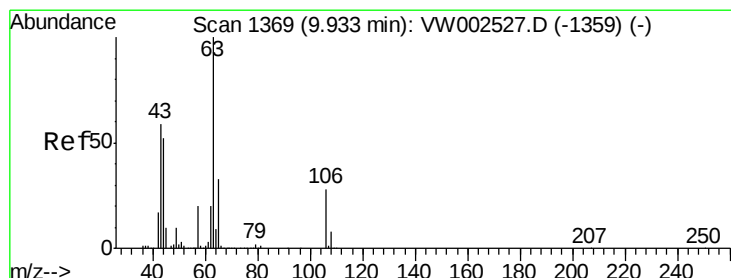
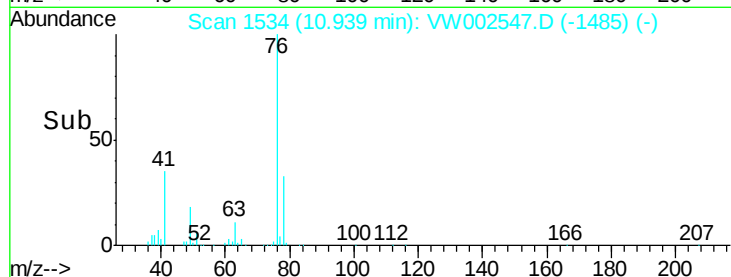
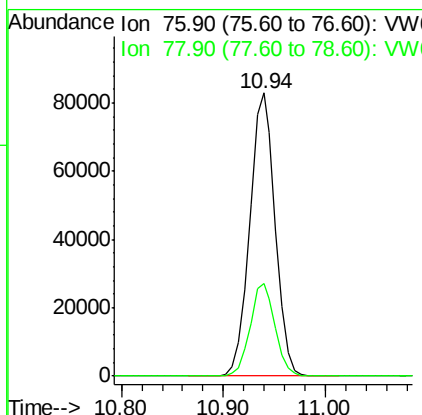
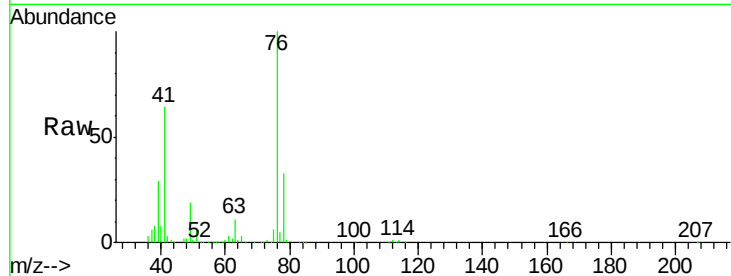




#57
 1,3-Dichloropropane
 Concen: 47.72 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

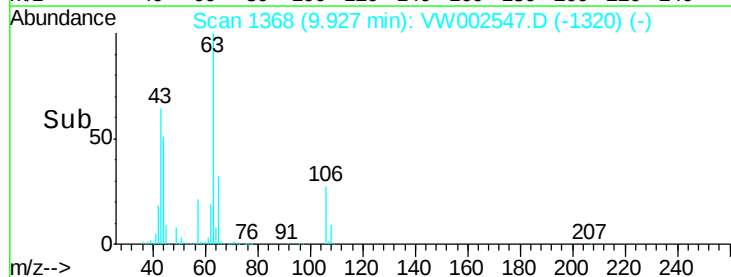
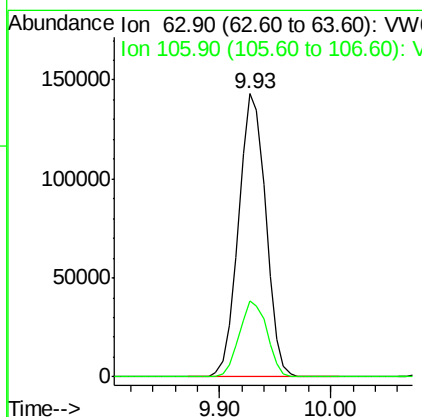
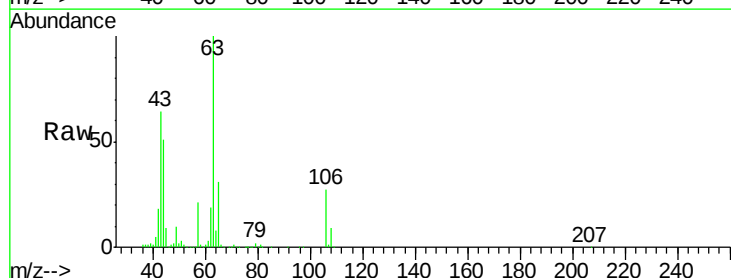
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

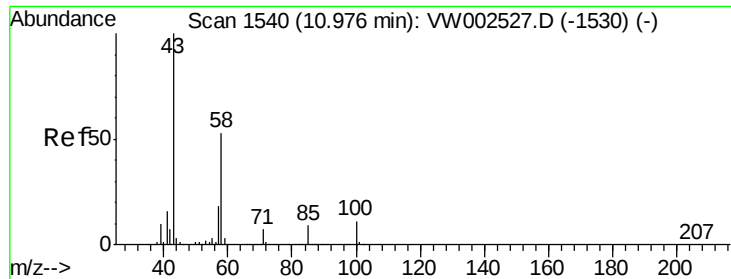
Tgt Ion: 76 Resp: 143361
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.16 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion: 63 Resp: 242907
 Ion Ratio Lower Upper
 63 100
 106 27.6 22.9 34.3

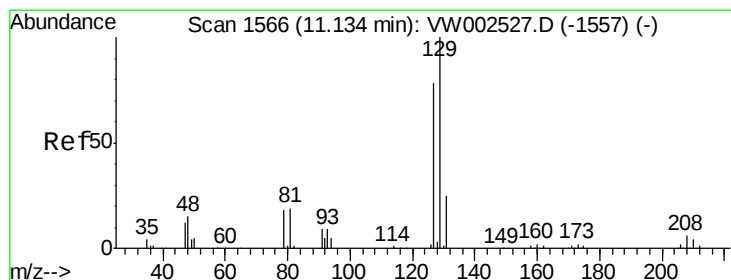
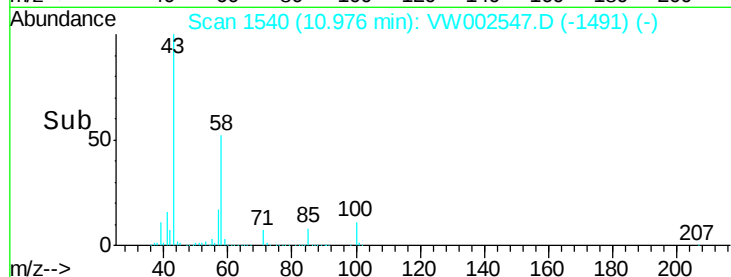
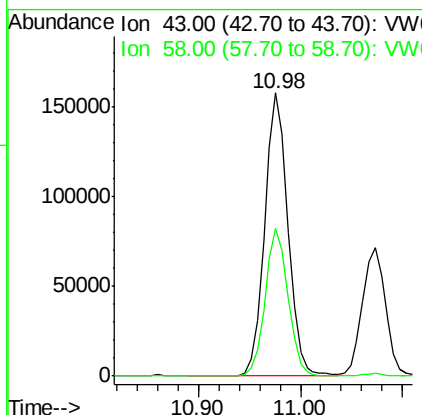
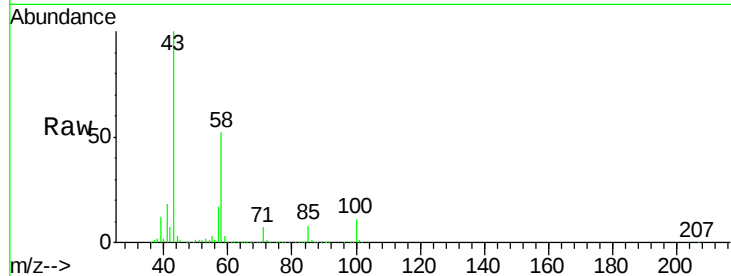




#59
2-Hexanone
Concen: 224.06 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

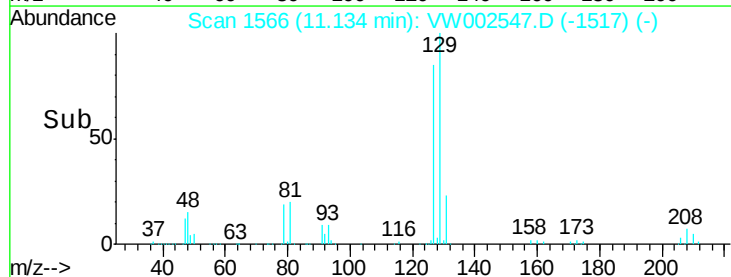
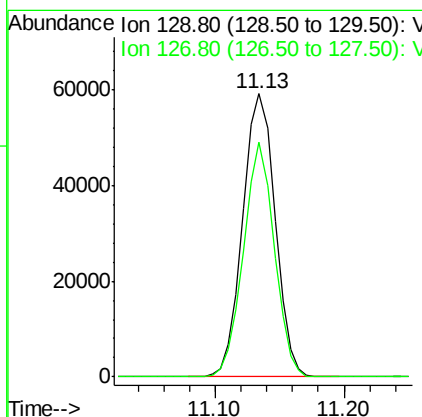
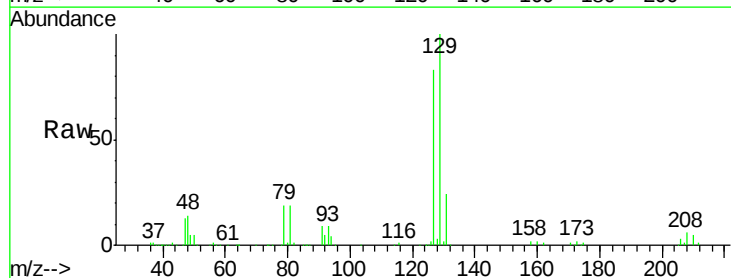
Instrument :
MSVOA_W
ClientSampled :
BFB

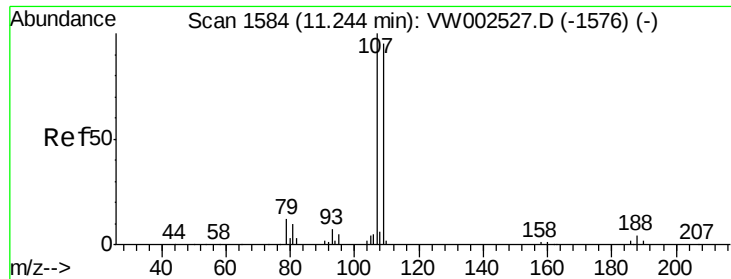
Tgt Ion: 43 Resp: 250193
Ion Ratio Lower Upper
43 100
58 51.2 26.3 78.8



#60
Dibromochloromethane
Concen: 48.23 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

Tgt Ion: 129 Resp: 103077
Ion Ratio Lower Upper
129 100
127 78.7 38.6 115.7

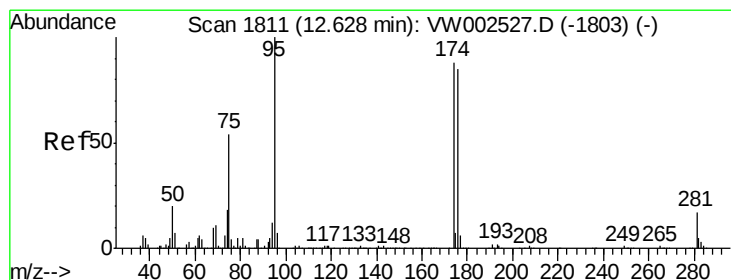
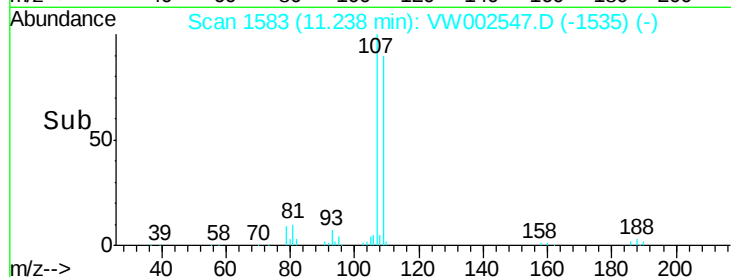
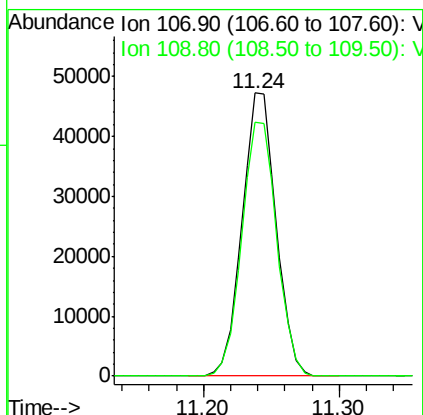
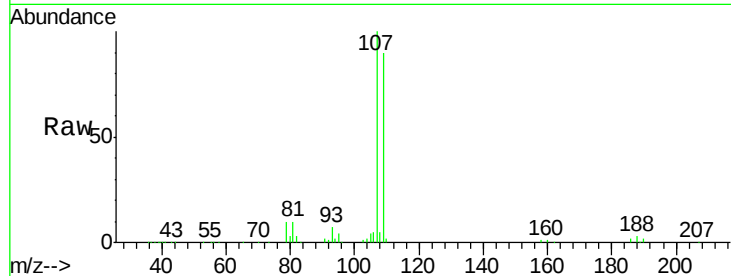




#61
 1,2-Dibromoethane
 Concen: 47.26 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

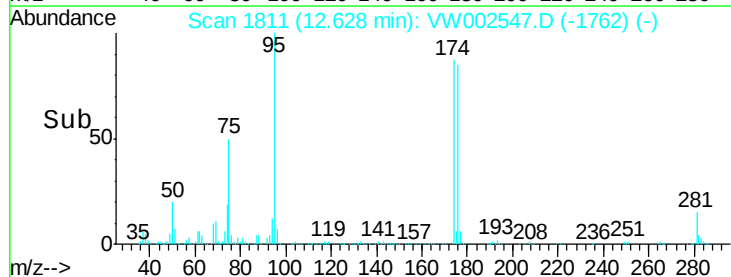
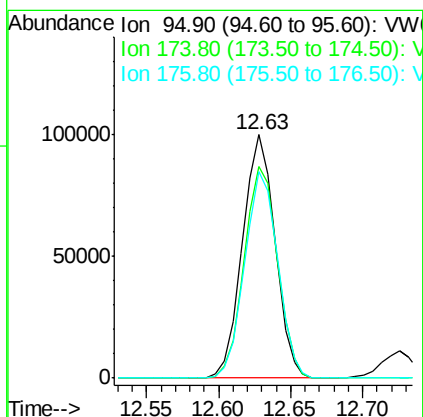
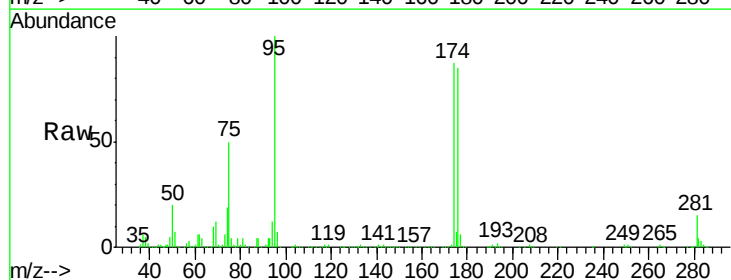
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

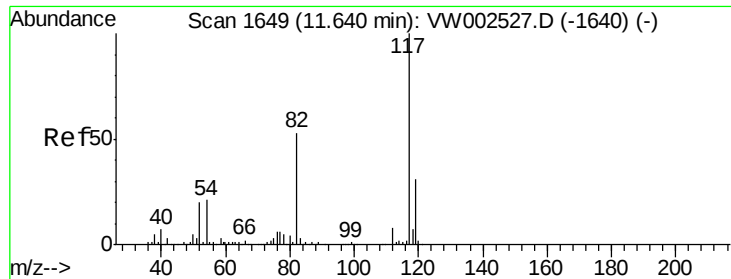
Tgt Ion: 107 Resp: 82625
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.82 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion: 95 Resp: 156974
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 176.6
 176 85.7 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

BFB

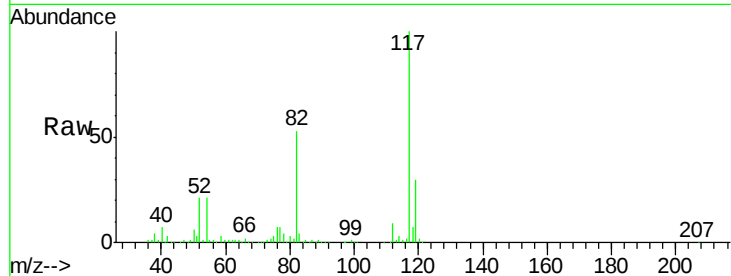
Tgt Ion:117 Resp: 321045

Ion Ratio Lower Upper

117 100

82 52.5 42.6 64.0

119 30.2 25.0 37.6

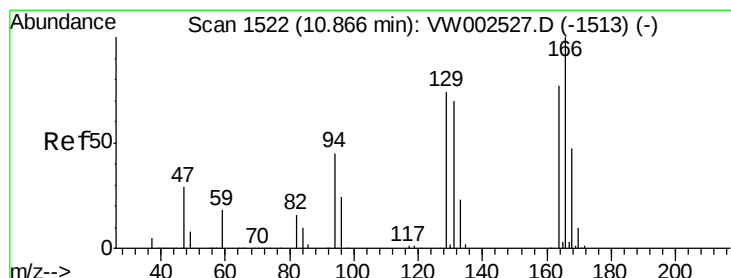
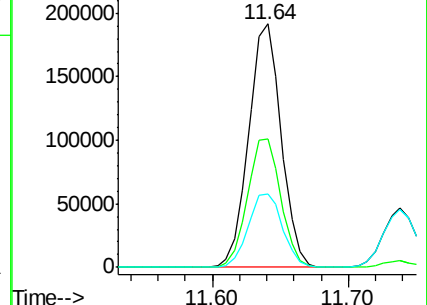
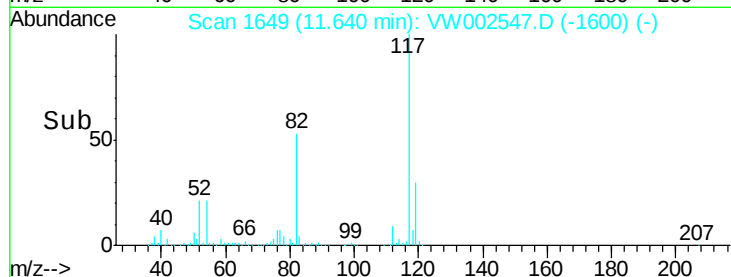


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

Time-->



#64

Tetrachloroethene

Concen: 48.52 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Tgt Ion:164 Resp: 109799

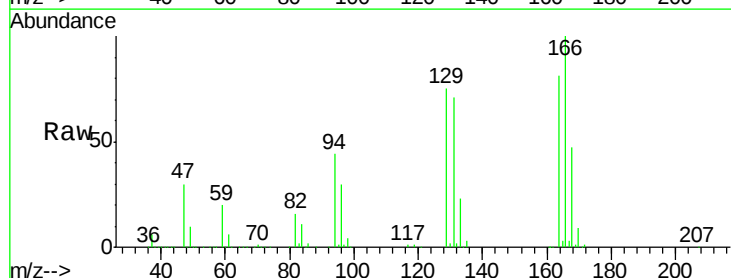
Ion Ratio Lower Upper

164 100

166 124.0 104.2 156.2

129 92.8 77.0 115.4

131 87.9 73.1 109.7



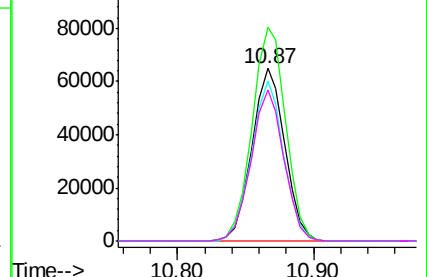
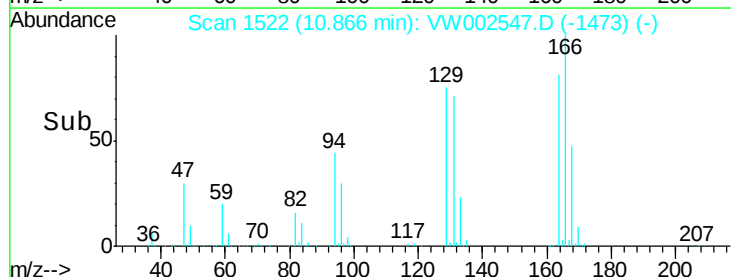
Abundance Ion 163.80 (163.50 to 164.50): V

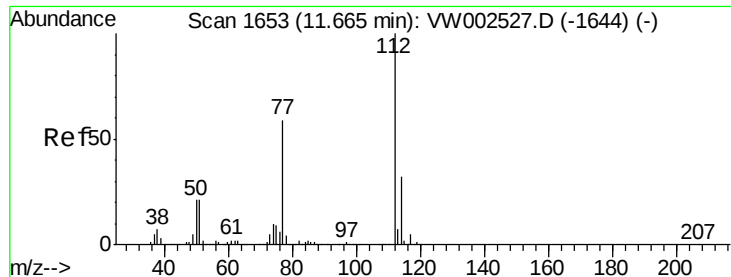
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->





#65

Chlorobenzene

Concen: 51.40 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

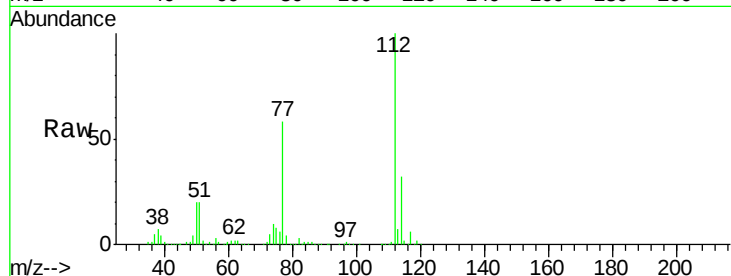
BFB

Tgt Ion:112 Resp: 328683

Ion Ratio Lower Upper

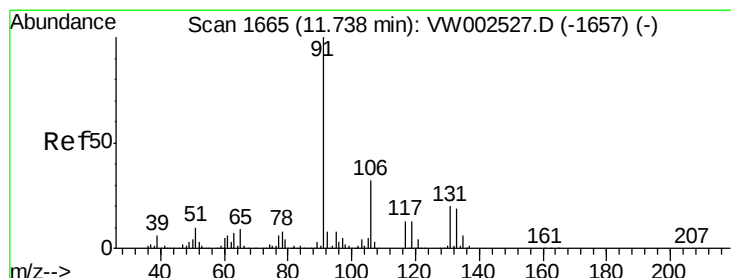
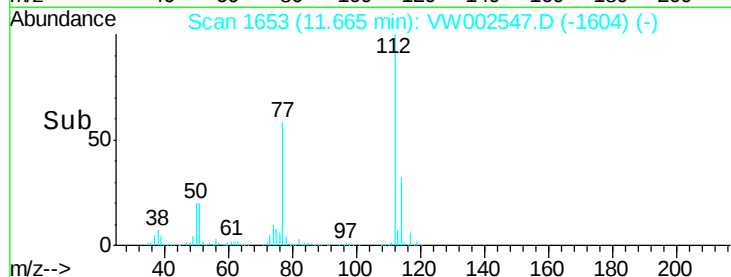
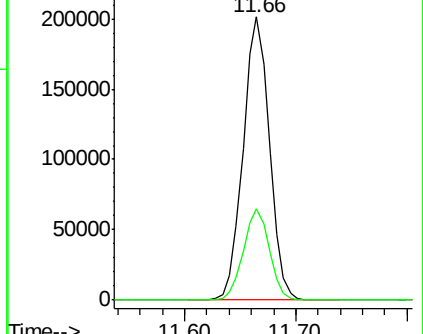
112 100

114 32.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.01 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

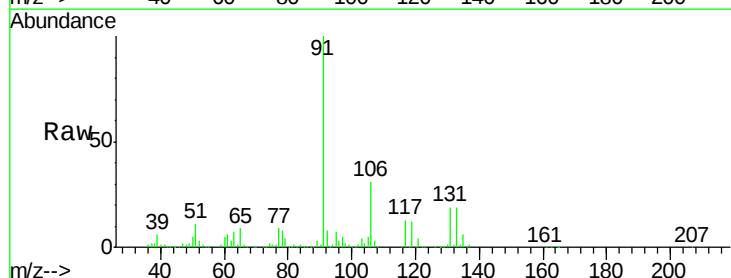
Tgt Ion:131 Resp: 116763

Ion Ratio Lower Upper

131 100

133 97.4 48.4 145.3

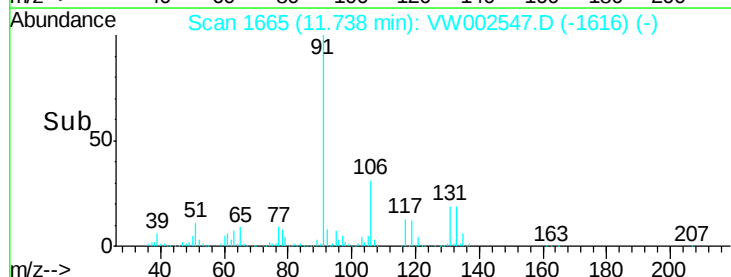
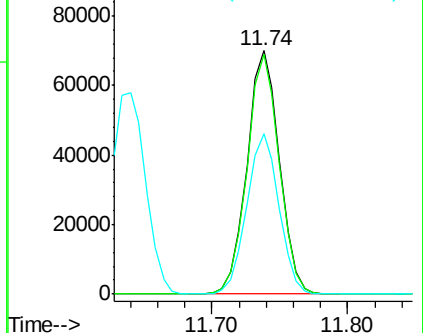
119 65.7 32.2 96.6

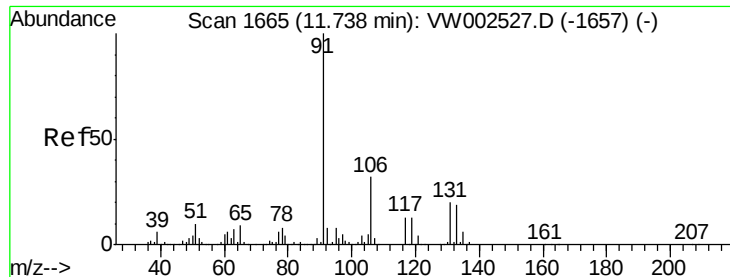


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

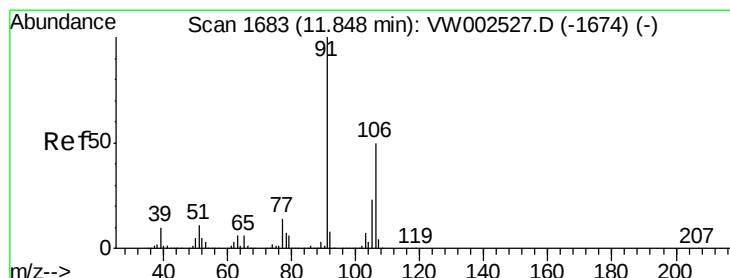
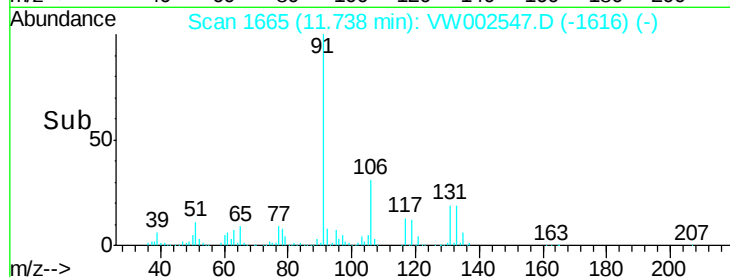
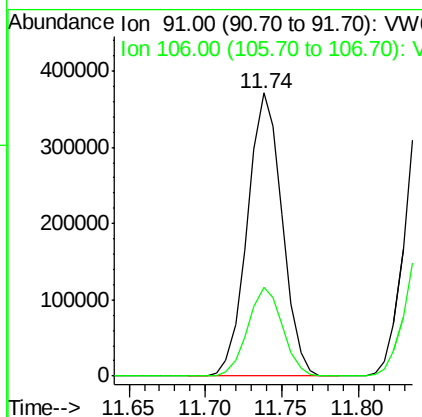
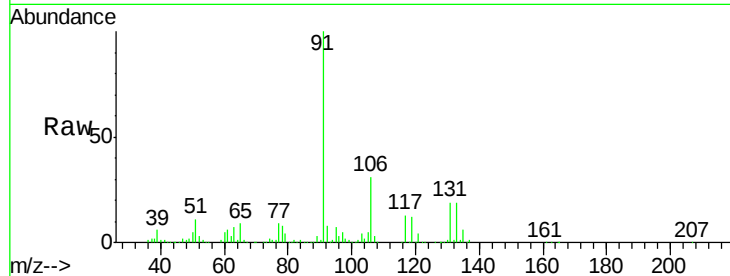




#67
Ethyl Benzene
Concen: 53.92 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

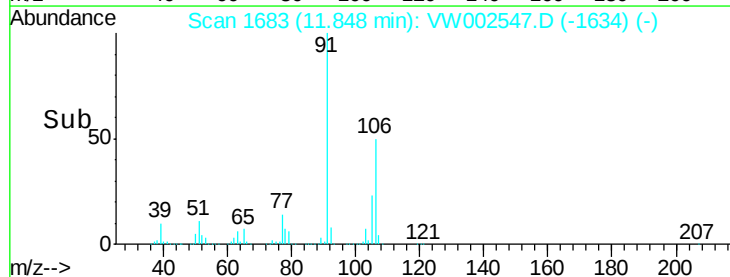
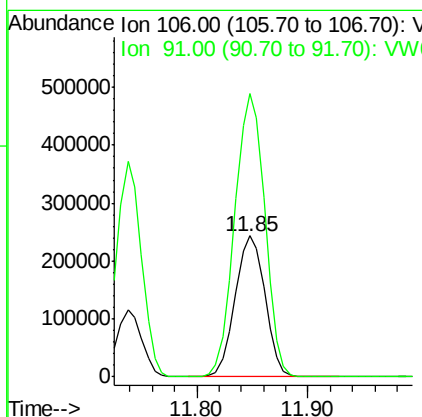
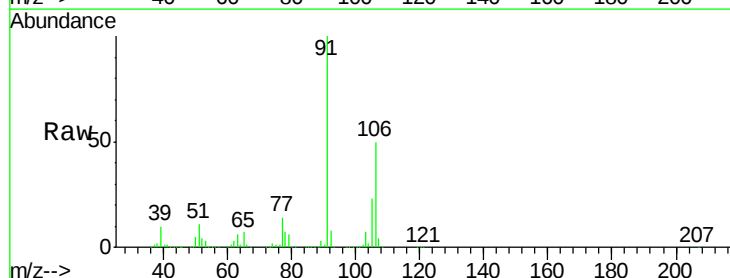
Instrument :
MSVOA_W
ClientSampled :
BFB

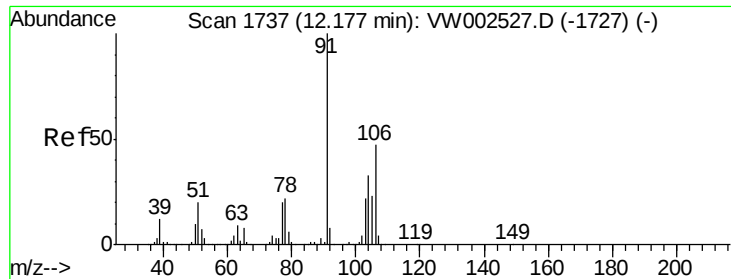
Tgt Ion: 91 Resp: 585946
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.0



#68
m/p-Xylenes
Concen: 107.20 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

Tgt Ion: 106 Resp: 452959
Ion Ratio Lower Upper
106 100
91 201.7 161.4 242.2

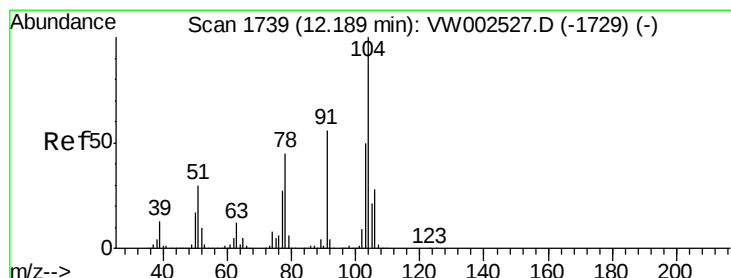
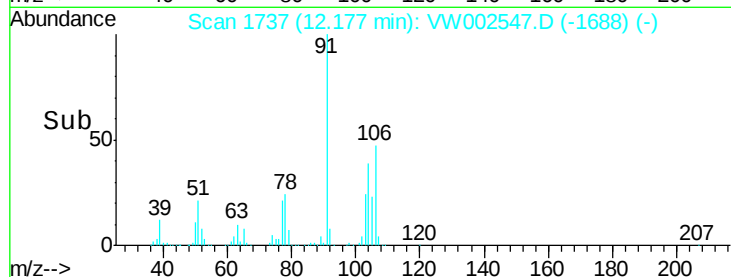
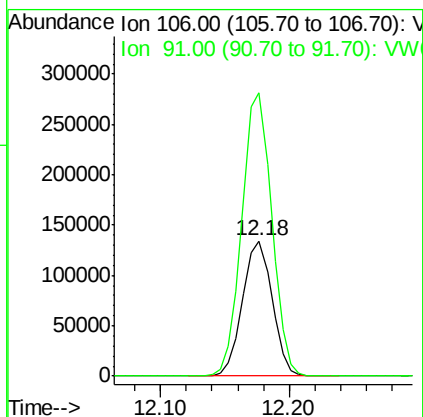
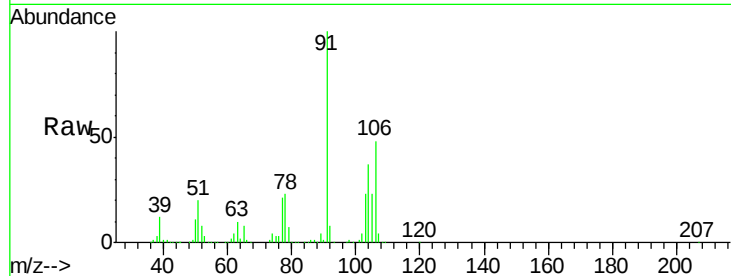




#69
o-Xylene
Concen: 53.25 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

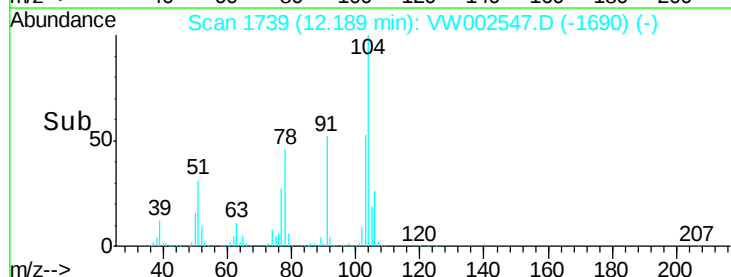
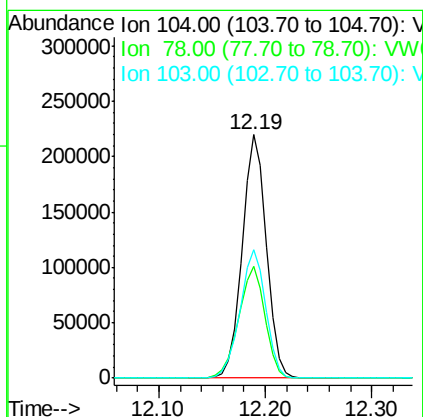
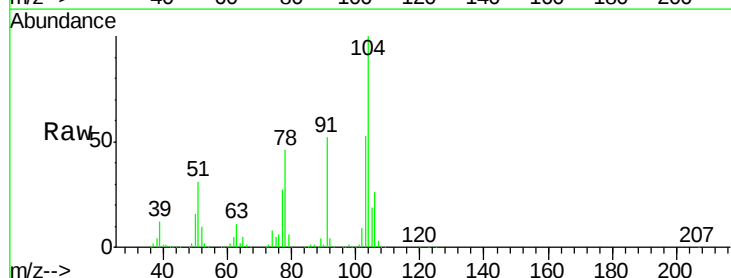
Instrument :
MSVOA_W
ClientSampleId :
BFB

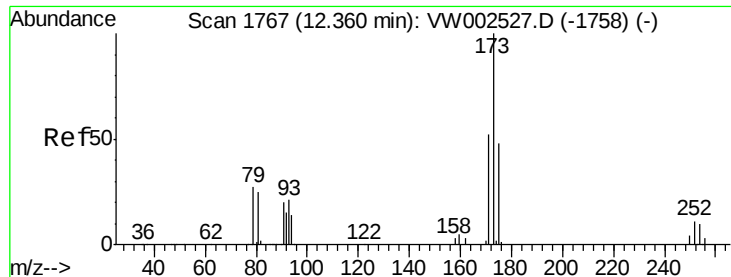
Tgt Ion:106 Resp: 213783
Ion Ratio Lower Upper
106 100
91 210.9 106.7 320.2



#70
Styrene
Concen: 52.44 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

Tgt Ion:104 Resp: 350350
Ion Ratio Lower Upper
104 100
78 49.9 40.1 60.1
103 56.1 44.6 66.8

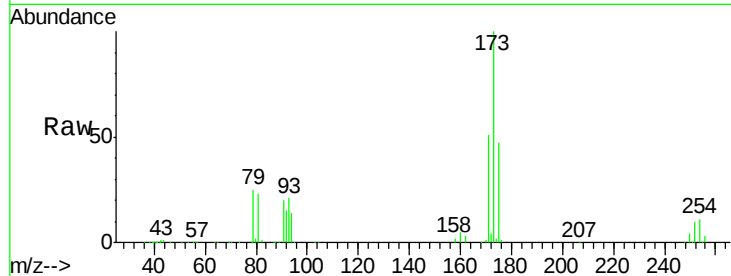




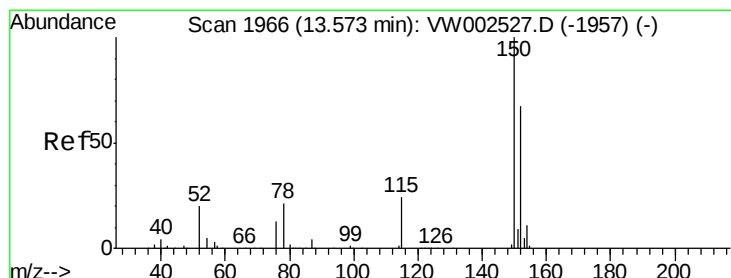
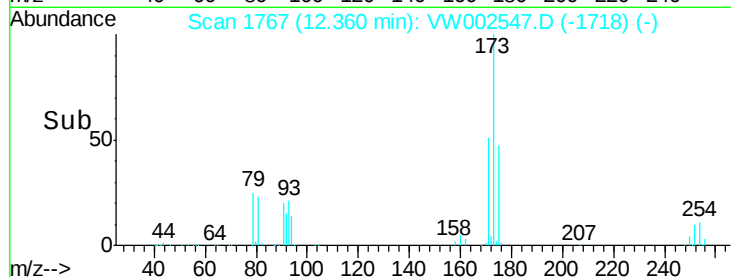
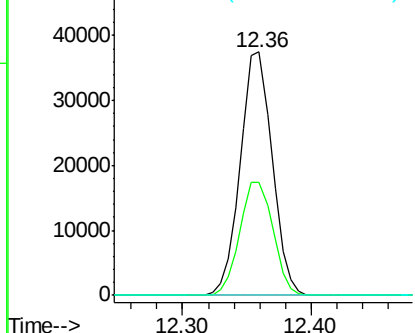
#71
Bromoform
Concen: 47.84 ug/l
RT: 12.36 min Scan# 1767
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion:173 Resp: 64342
Ion Ratio Lower Upper
173 100
175 48.5 24.5 73.5
254 0.1 0.1 0.1#

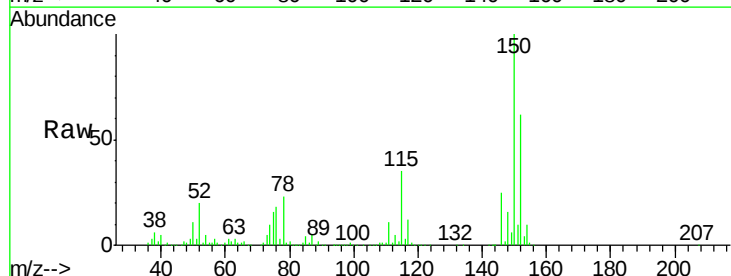


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

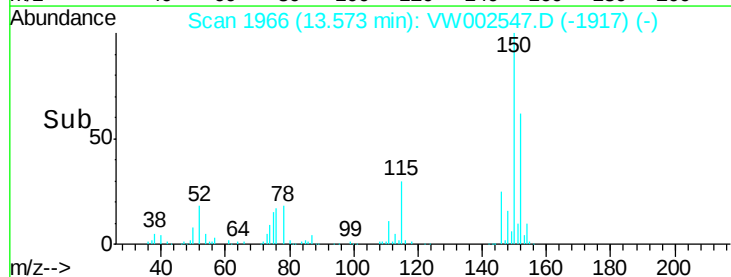
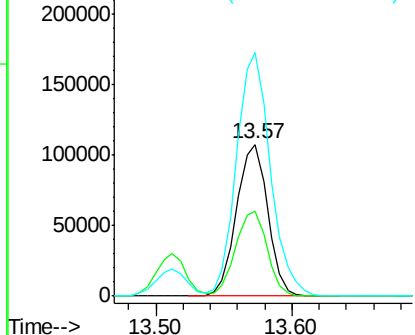


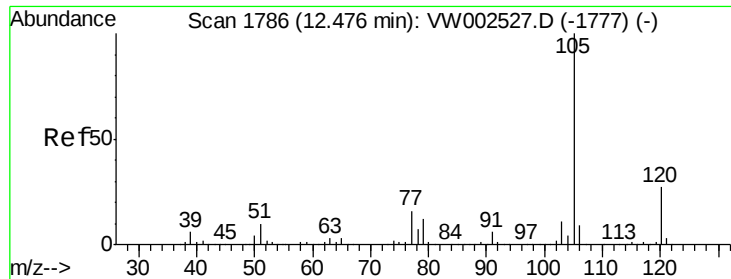
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

Tgt Ion:152 Resp: 172547
Ion Ratio Lower Upper
152 100
115 56.5 28.0 84.0
150 173.8 0.0 345.4



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: 56.24 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampleId :

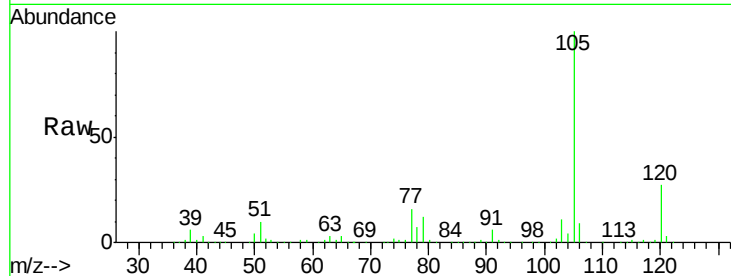
BFB

Tgt Ion:105 Resp: 598180

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

300000

200000

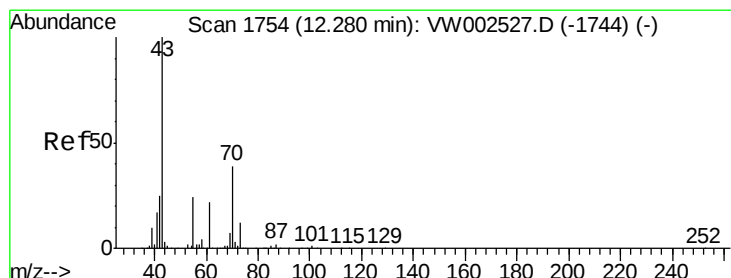
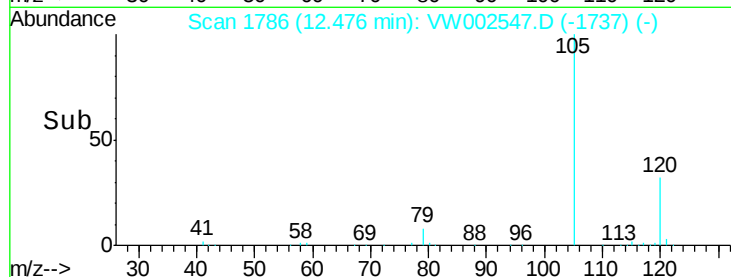
100000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 46.74 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Tgt Ion: 43 Resp: 126645

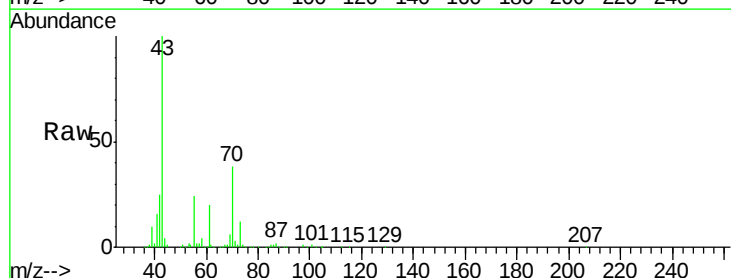
Ion Ratio Lower Upper

43 100

70 39.8 31.9 47.9

55 24.0 19.4 29.0

61 22.7 18.3 27.5



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

12.28

100000

50000

0

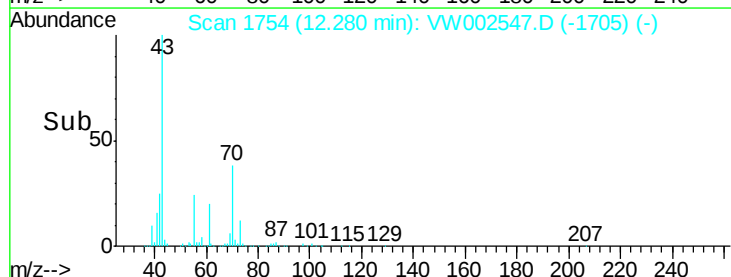
Time-->

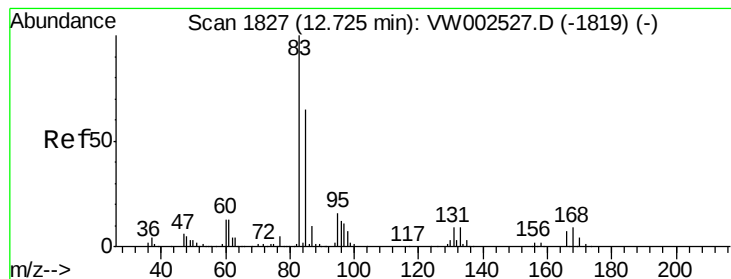
12.20

12.25

12.30

12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 46.29 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

BFB

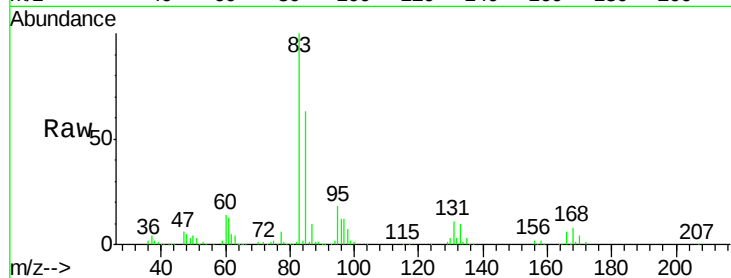
Tgt Ion: 83 Resp: 99760

Ion Ratio Lower Upper

83 100

131 11.1 5.4 16.2

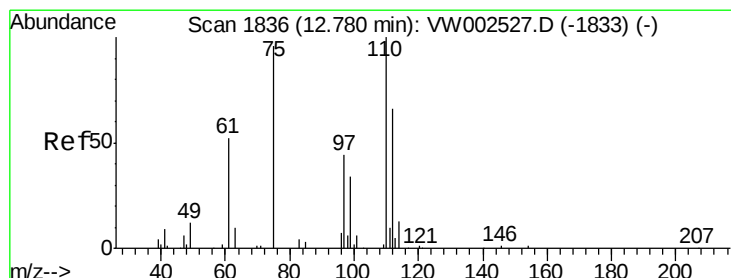
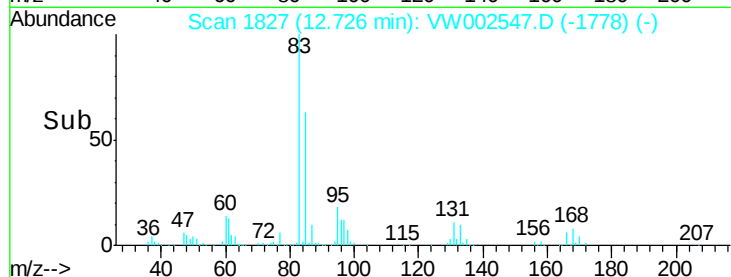
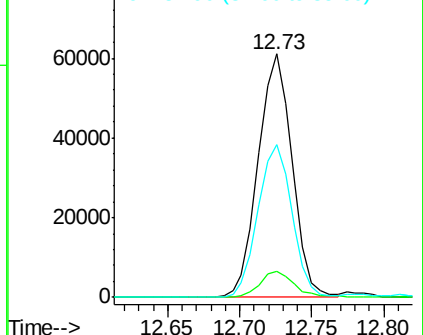
85 63.0 31.6 94.8



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: 81.63 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VW002547.D

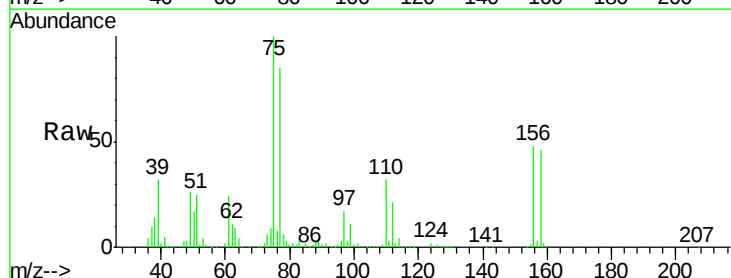
Acq: 15 May 2018 12:09

Tgt Ion: 75 Resp: 133147

Ion Ratio Lower Upper

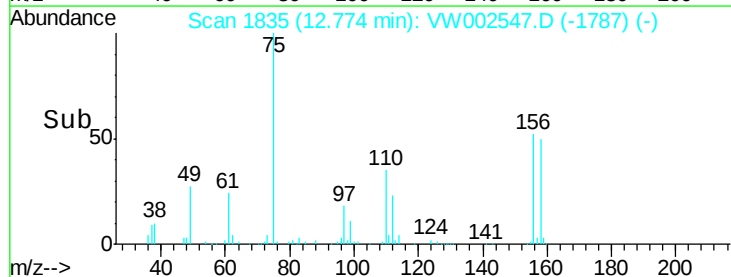
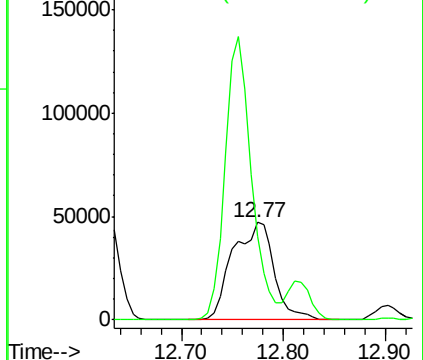
75 100

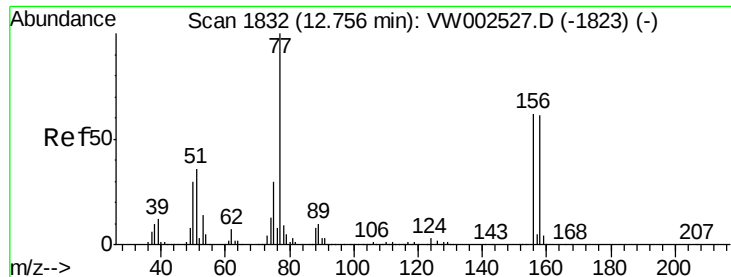
77 183.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.31 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

BFB

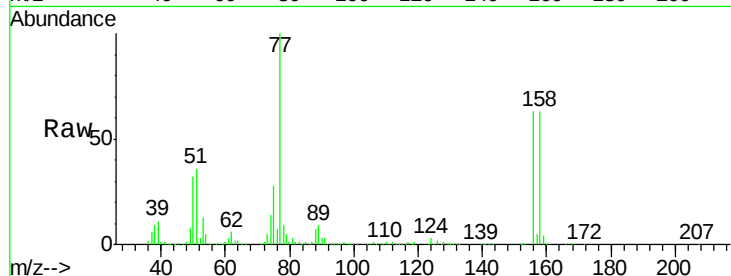
Tgt Ion:156 Resp: 141945

Ion Ratio Lower Upper

156 100

77 172.3 89.8 269.4

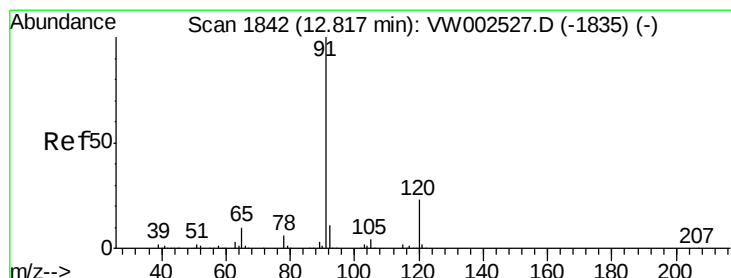
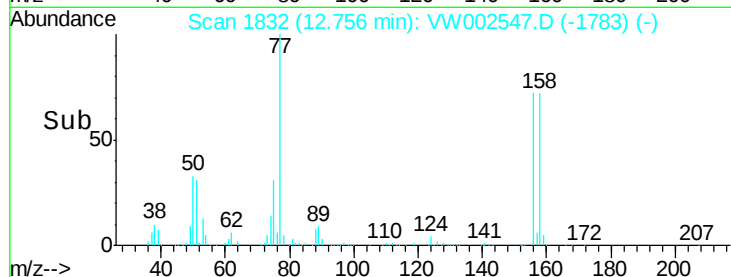
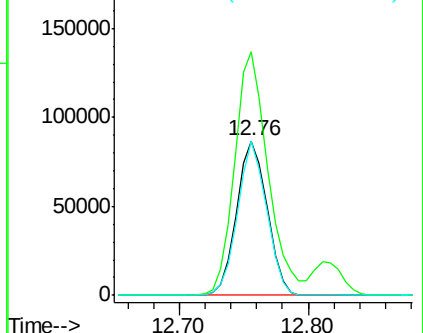
158 95.1 48.8 146.3



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: 56.14 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VW002547.D

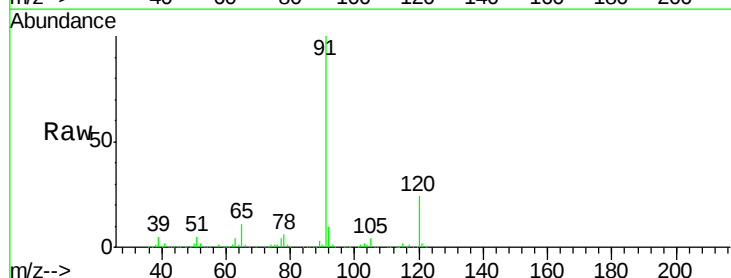
Acq: 15 May 2018 12:09

Tgt Ion: 91 Resp: 721188

Ion Ratio Lower Upper

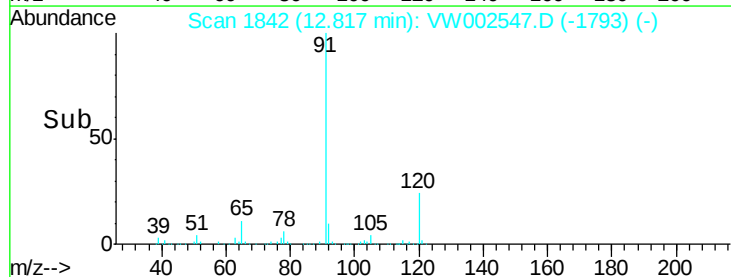
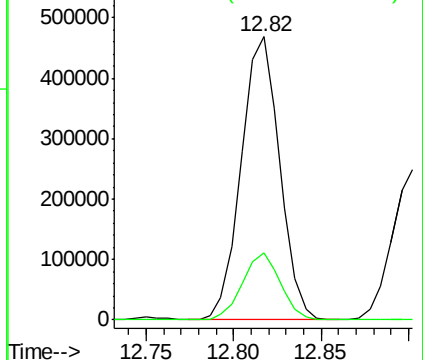
91 100

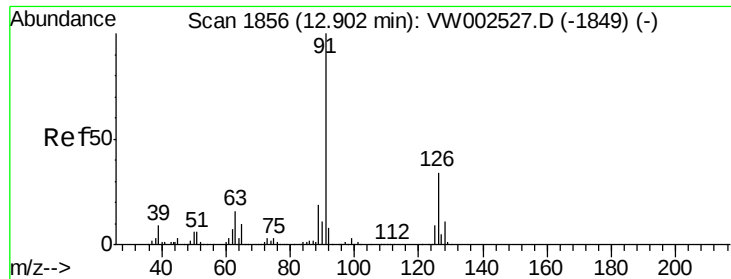
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.55 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

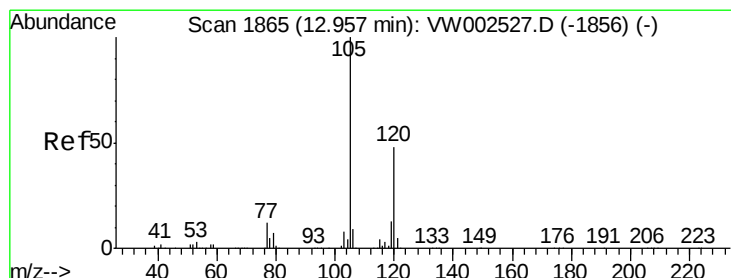
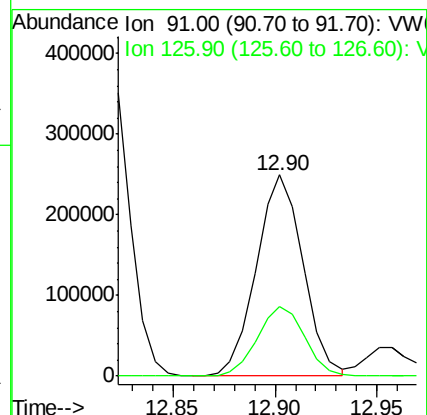
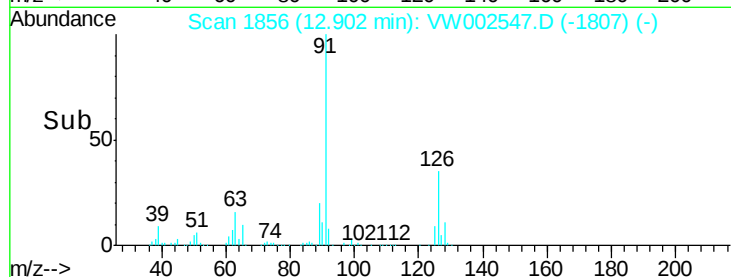
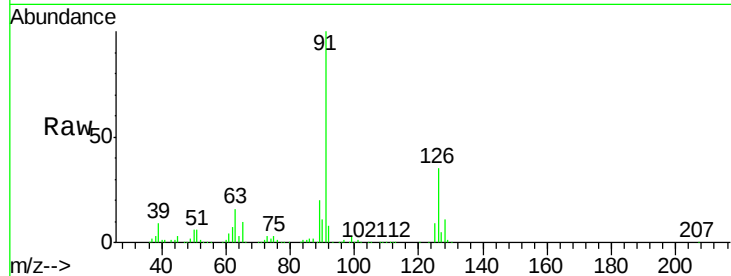
BFB

Tgt Ion: 91 Resp: 397883

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 55.79 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VW002547.D

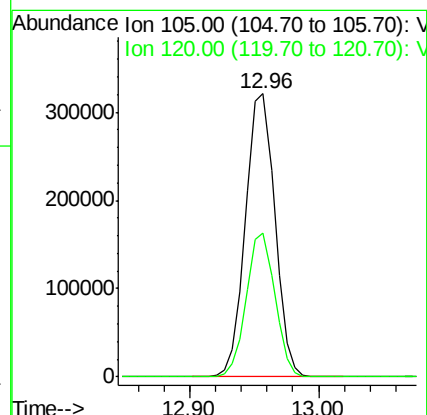
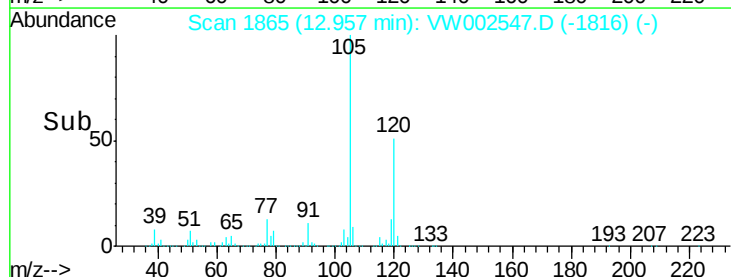
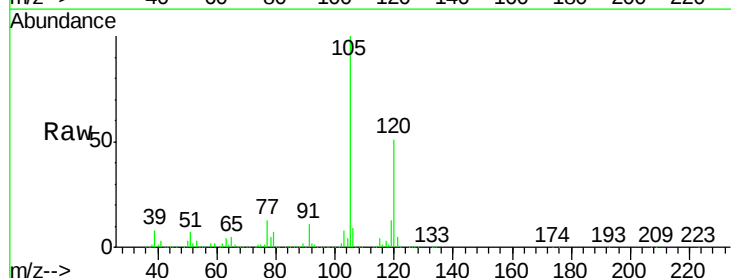
Acq: 15 May 2018 12:09

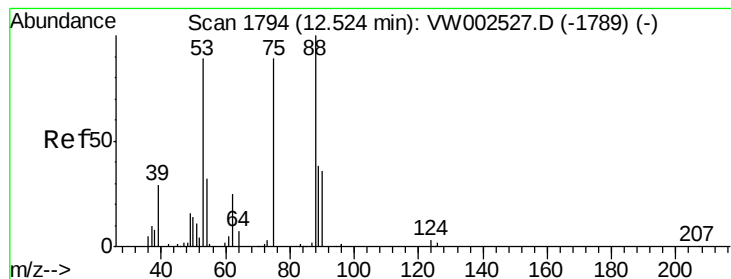
Tgt Ion: 105 Resp: 506406

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.67 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

BFB

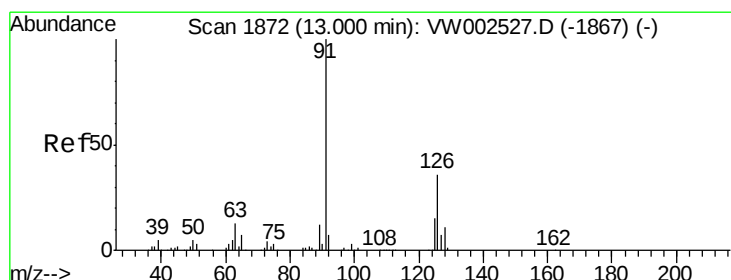
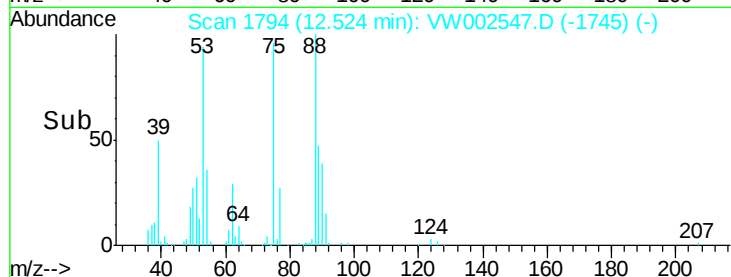
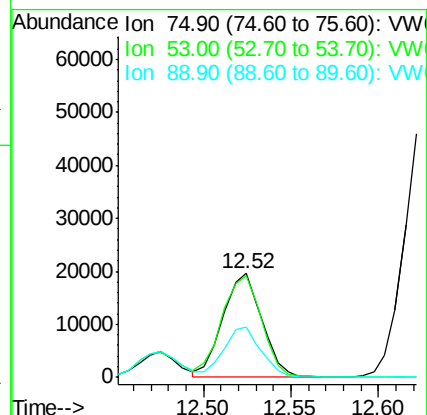
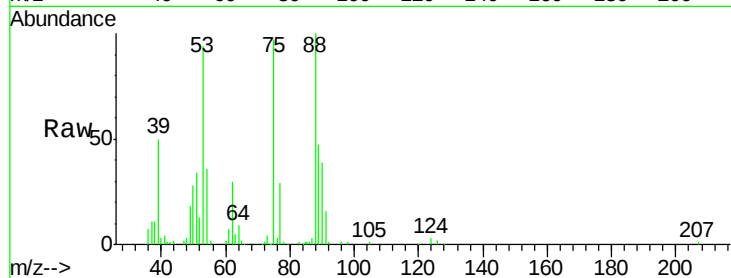
Tgt Ion: 75 Resp: 30311

Ion Ratio Lower Upper

75 100

53 99.5 82.6 124.0

89 46.1 39.2 58.8



#82

4-Chlorotoluene

Concen: 54.05 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW002547.D

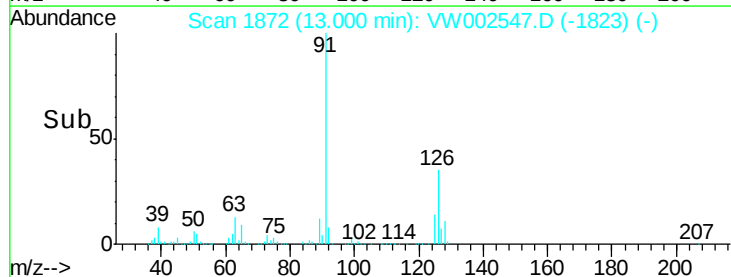
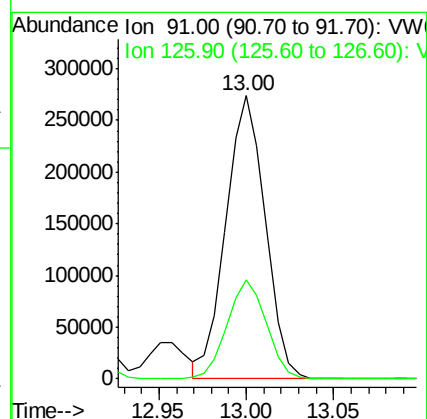
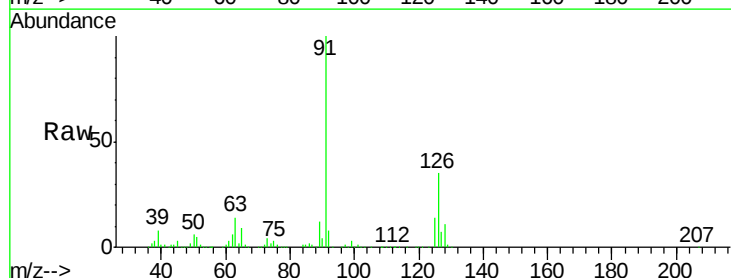
Acq: 15 May 2018 12:09

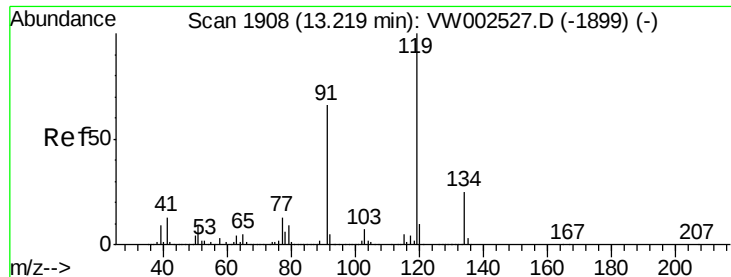
Tgt Ion: 91 Resp: 426298

Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.5

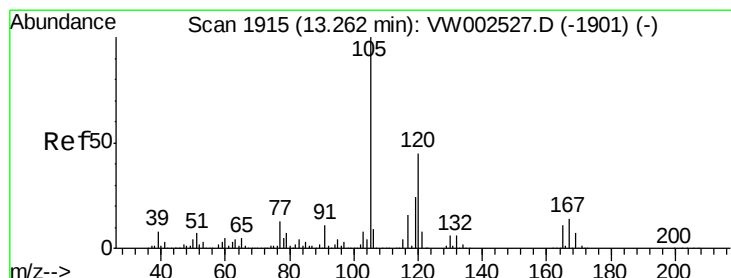
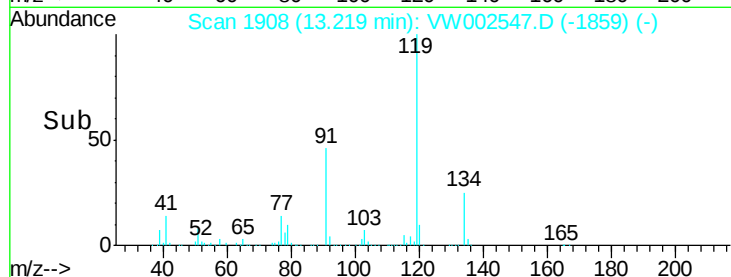
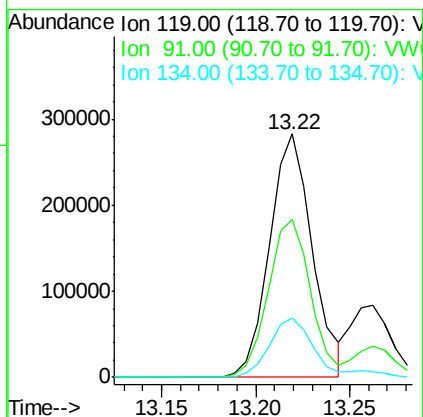
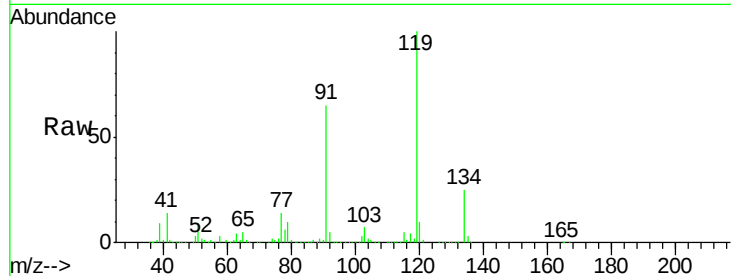




#83
 tert-Butylbenzene
 Concen: 56.59 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

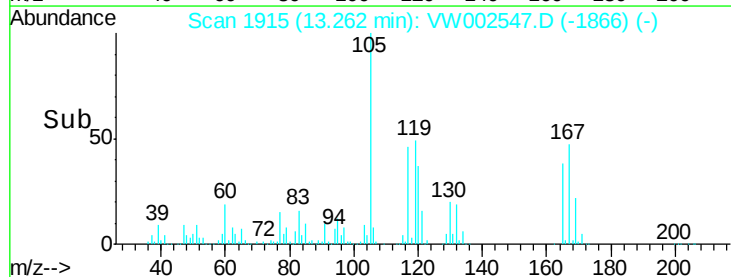
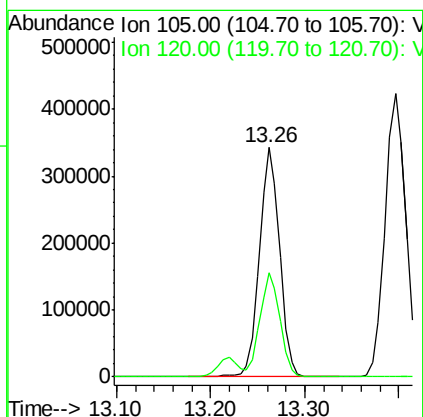
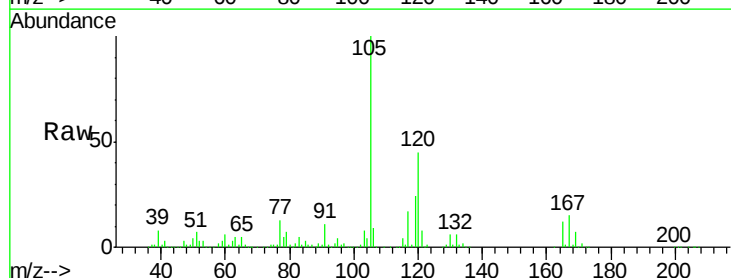
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

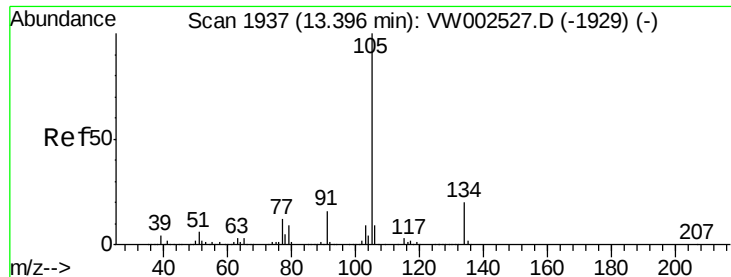
Tgt Ion:119 Resp: 443581
 Ion Ratio Lower Upper
 119 100
 91 64.5 32.5 97.5
 134 24.7 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 55.34 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion:105 Resp: 521400
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.3 66.9

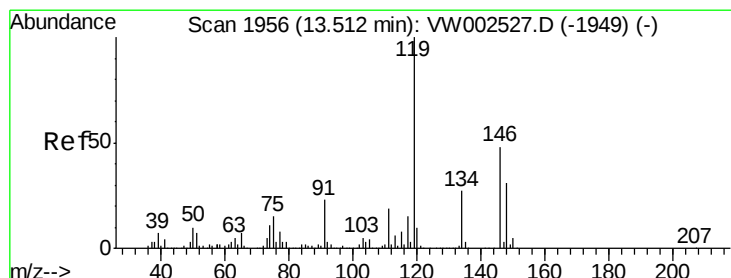
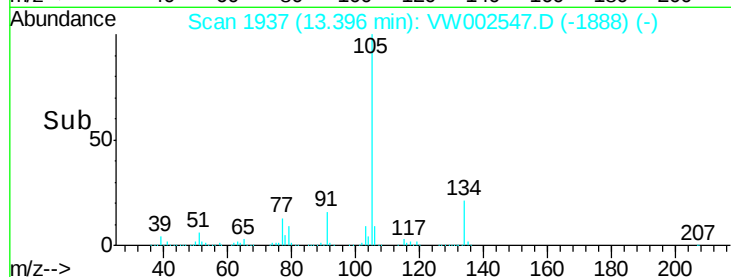
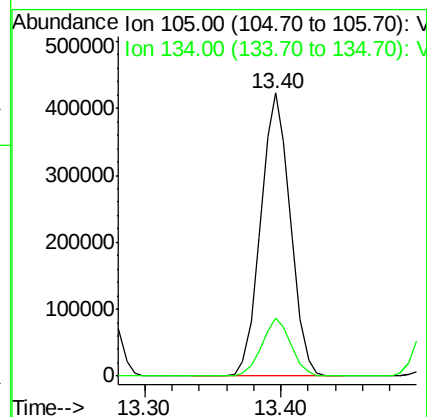
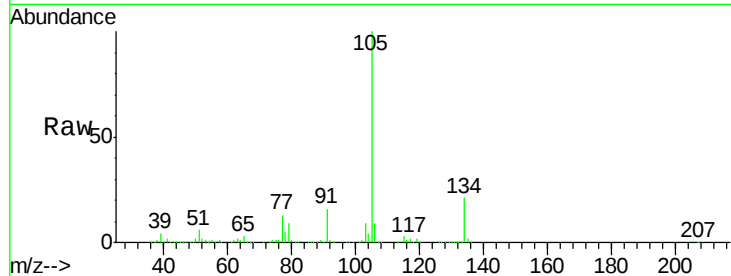




#85
 sec-Butylbenzene
 Concen: 57.32 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

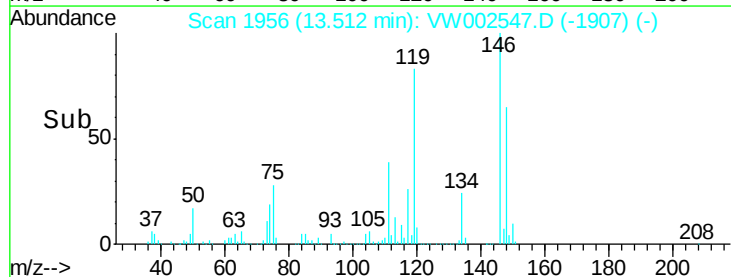
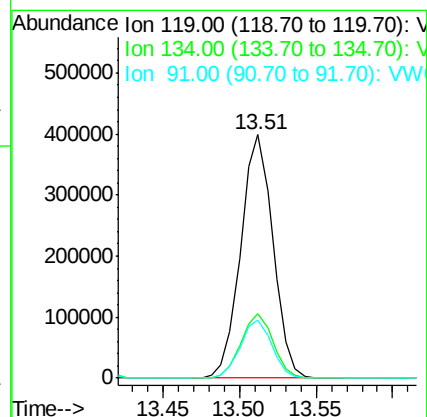
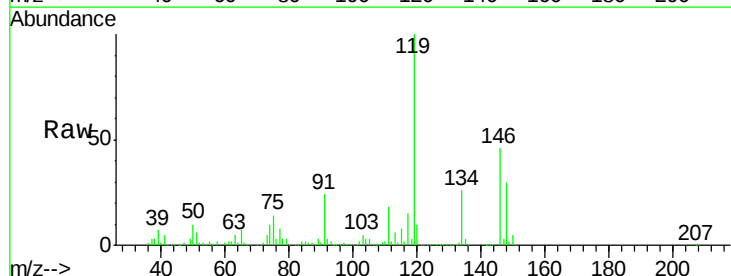
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

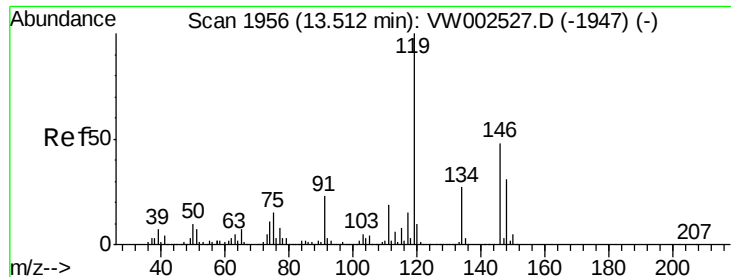
Tgt Ion:105 Resp: 645560
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 57.44 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion:119 Resp: 581903
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.1
 91 23.6 11.6 34.8

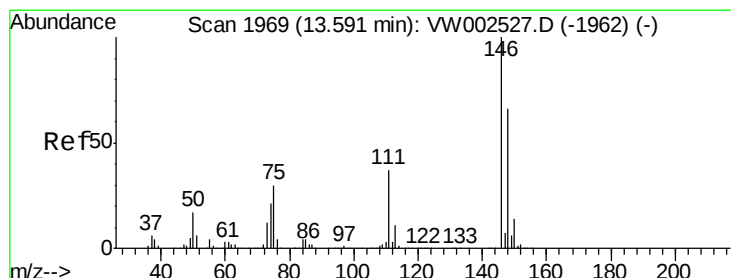
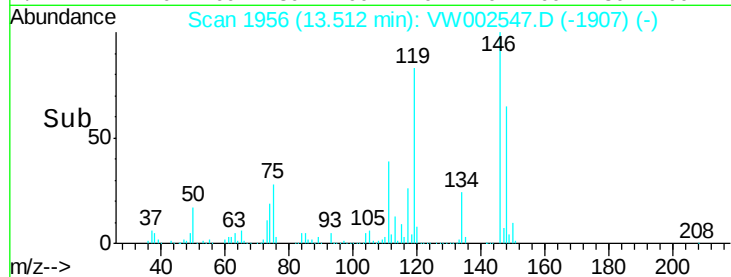
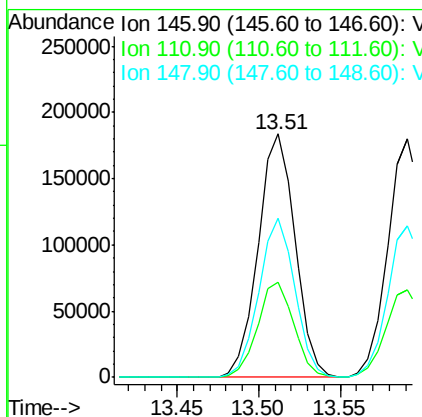
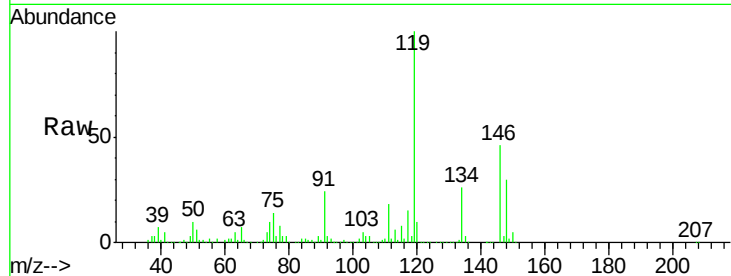




#87
 1,3-Dichlorobenzene
 Concen: 52.71 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

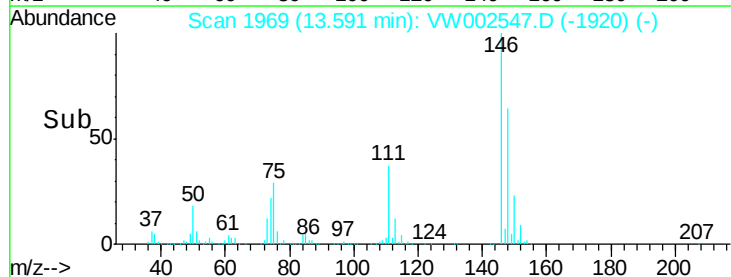
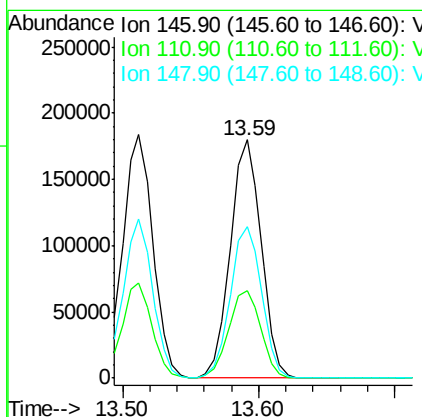
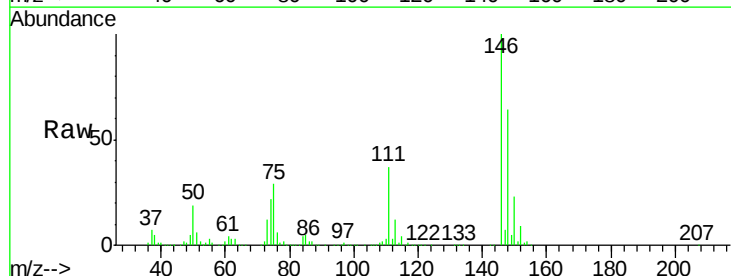
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

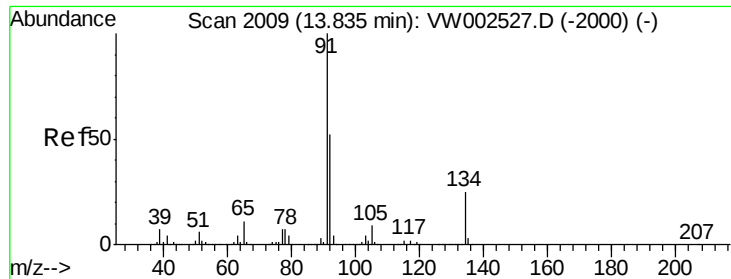
Tgt Ion:146 Resp: 289316
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.6 58.7
 148 63.8 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 52.01 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion:146 Resp: 284004
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.9 56.5
 148 64.5 32.4 97.0





#89

n-Butylbenzene

Concen: 57.37 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW002547.D

Acq: 15 May 2018 12:09

Instrument :

MSVOA_W

ClientSampled :

BFB

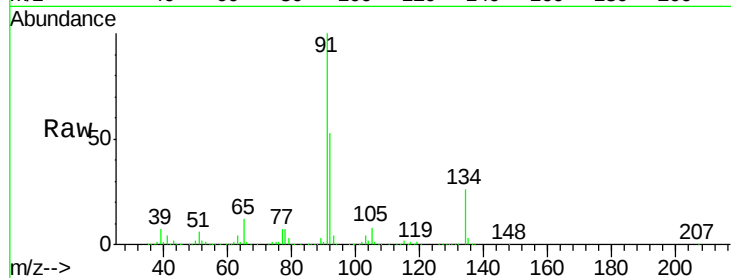
Tgt Ion: 91 Resp: 549735

Ion Ratio Lower Upper

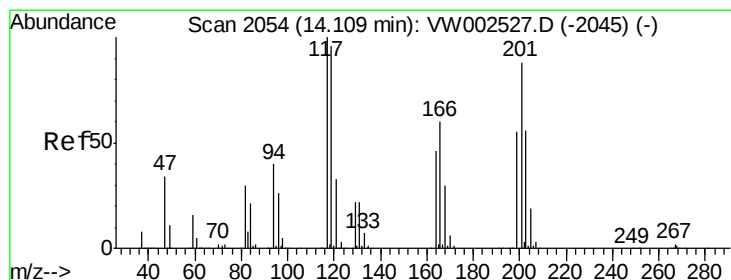
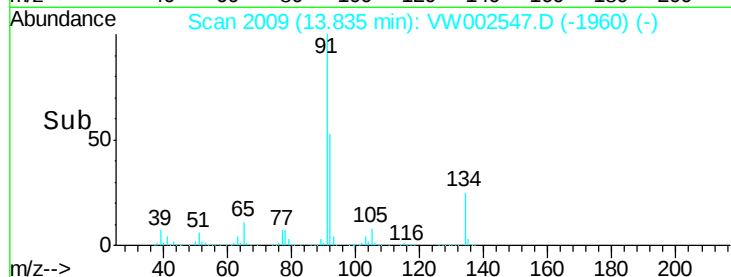
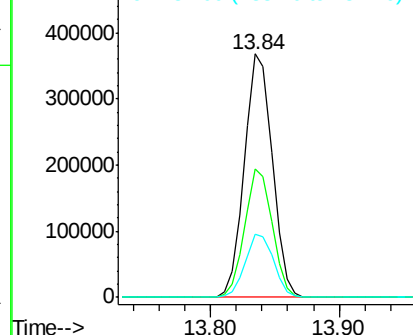
91 100

92 52.1 26.1 78.2

134 26.5 13.1 39.1



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: 55.89 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VW002547.D

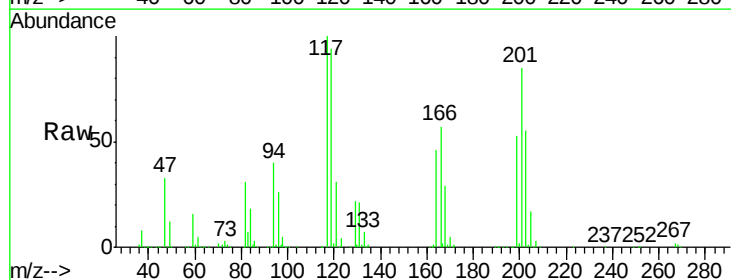
Acq: 15 May 2018 12:09

Tgt Ion: 117 Resp: 101400

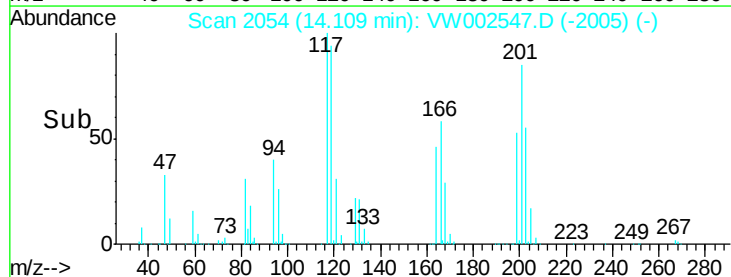
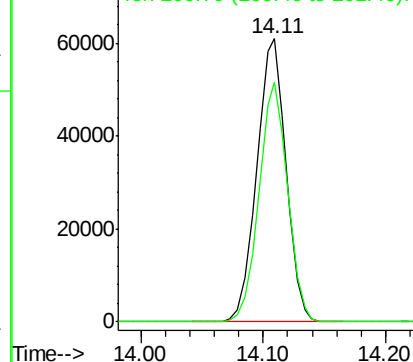
Ion Ratio Lower Upper

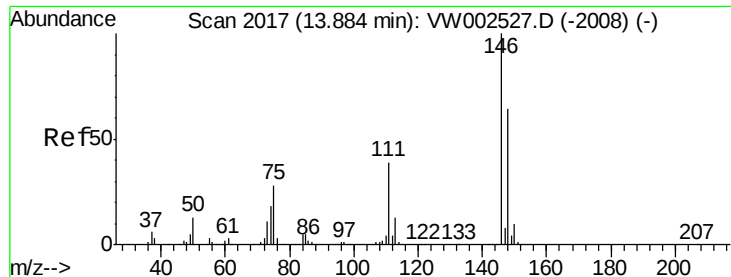
117 100

201 82.7 42.0 126.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

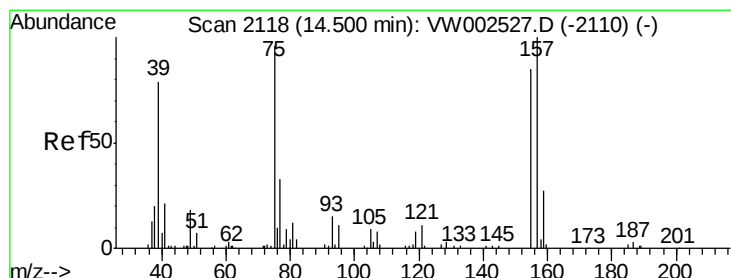
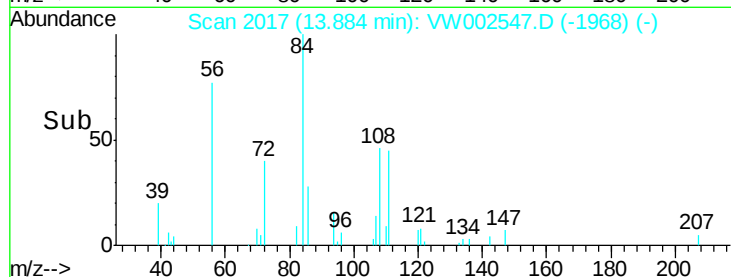
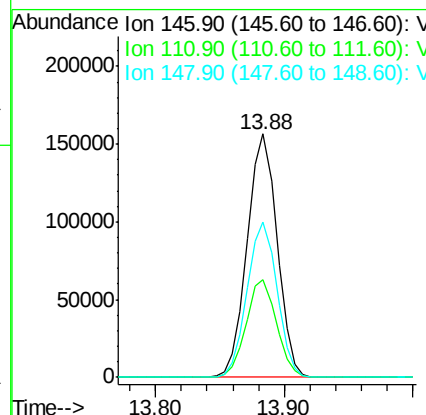
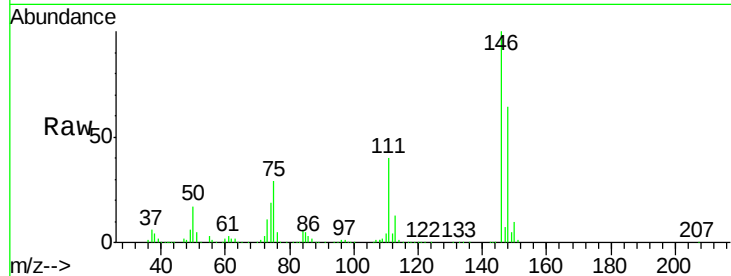




#91
 1,2-Dichlorobenzene
 Concen: 50.39 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

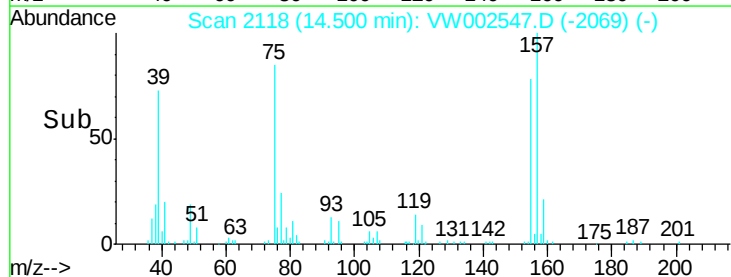
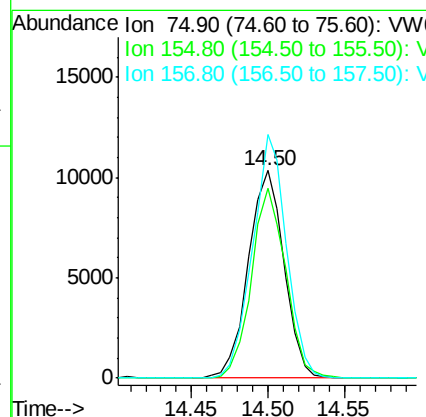
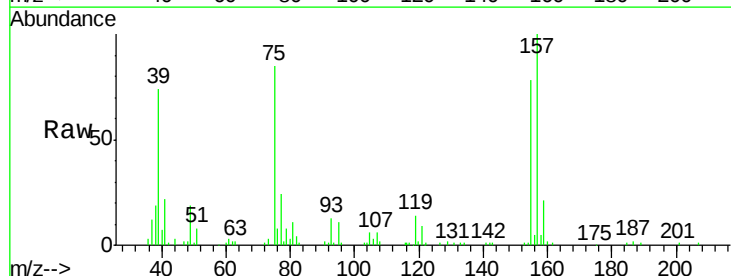
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

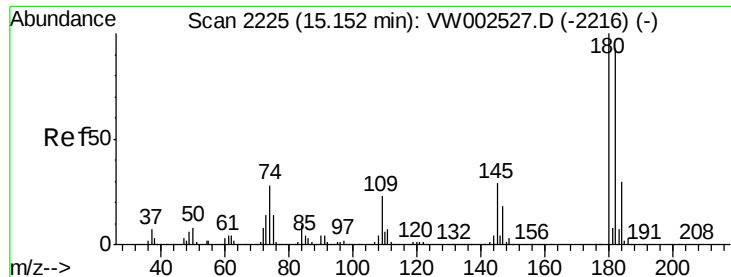
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.9	59.6
148	63.8	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.10 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	42.8	128.4
157	111.7	57.4	172.0

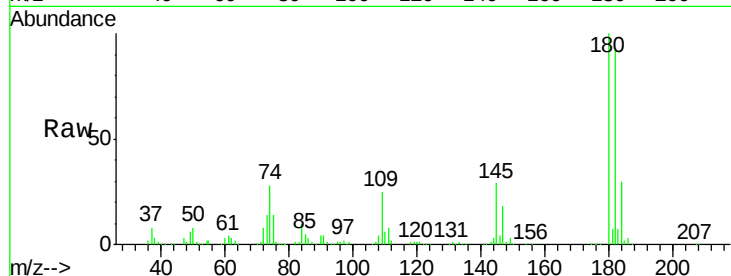




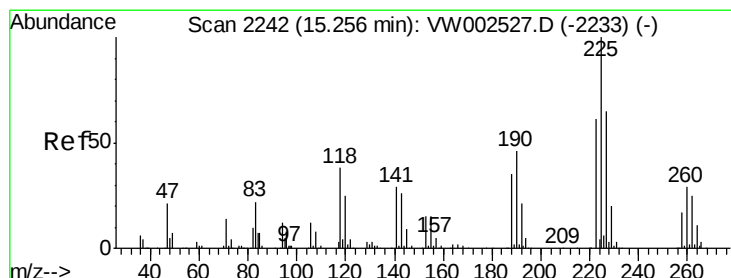
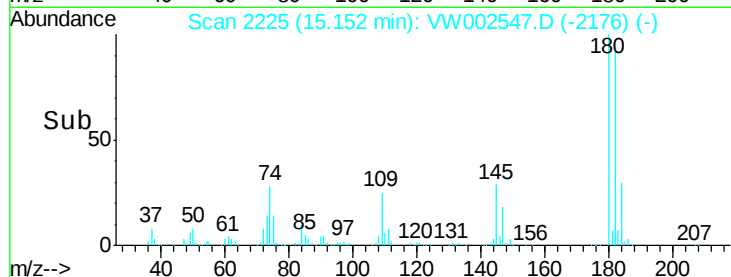
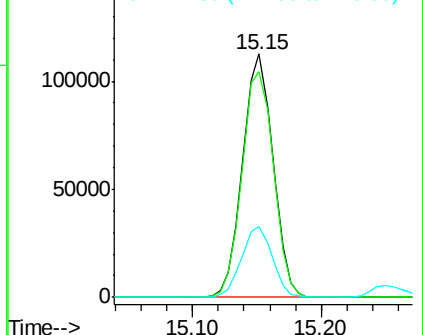
#93
 1,2,4-Trichlorobenzene
 Concen: 50.58 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

Tgt Ion:180 Resp: 183388
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.2 141.6
 145 29.3 14.9 44.9

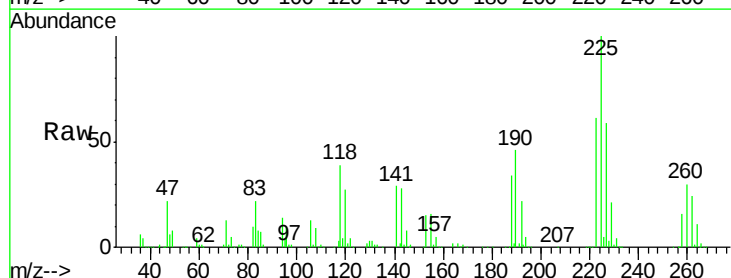


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

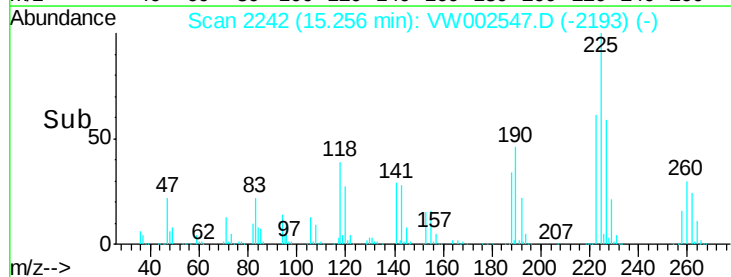
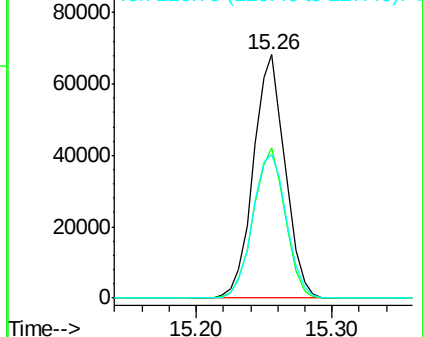


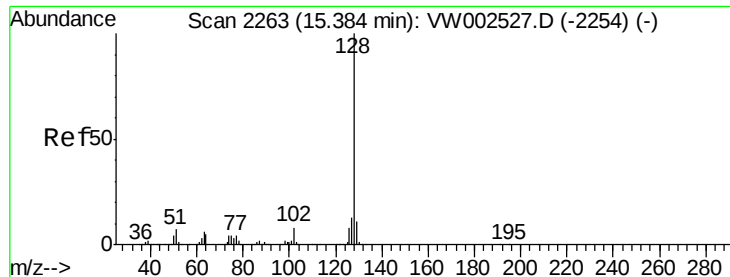
#94
 Hexachlorobutadiene
 Concen: 55.22 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. 0.00 min
 Lab File: VW002547.D
 Acq: 15 May 2018 12:09

Tgt Ion:225 Resp: 111412
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.3 93.9
 227 63.2 31.9 95.5



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

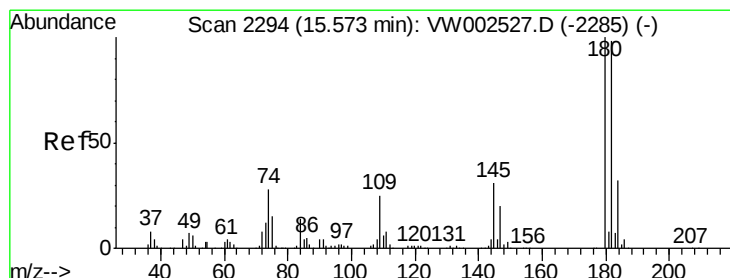
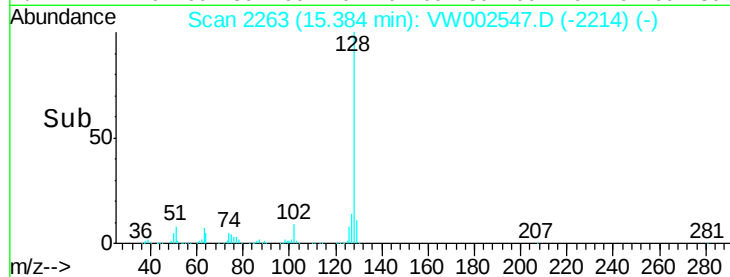
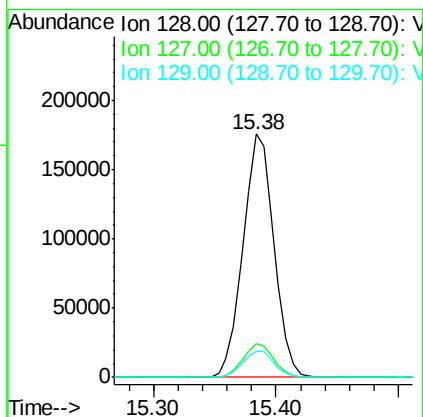
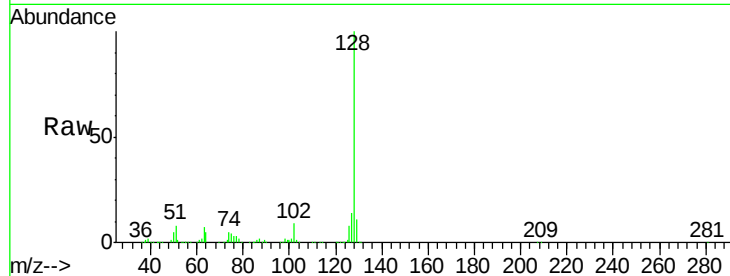




#95
Naphthalene
Concen: 46.78 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion:128 Resp: 308377
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 49.26 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VW002547.D
Acq: 15 May 2018 12:09

Tgt Ion:180 Resp: 159790
Ion Ratio Lower Upper
180 100
182 94.3 47.3 141.8
145 30.8 15.5 46.5

