

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101518\
 Data File : VW006062.D
 Acq On : 15 Oct 2018 15:50
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Oct 16 04:22:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 04:19:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	407208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	202709	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	11979	4.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.76%	
35) Dibromofluoromethane	7.89	113	12106	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
50) Toluene-d8	10.33	98	45881	4.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.32%	
62) 4-Bromofluorobenzene	12.62	95	16754	4.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	7218	5.073	ug/l	95
3) Chloromethane	2.21	50	10259	6.053	ug/l	98
4) Vinyl Chloride	2.37	62	13597	5.172	ug/l	97
5) Bromomethane	2.78	94	12573	5.966	ug/l	100
6) Chloroethane	2.93	64	9030	5.289	ug/l	97
7) Trichlorofluoromethane	3.26	101	12182	5.685	ug/l	97
8) Diethyl Ether	3.68	74	7594	5.821	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	13394	5.108	ug/l	96
10) Methyl Iodide	4.26	142	20991	4.877	ug/l	99
11) Tert butyl alcohol	5.23	59	3899	19.713	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	12490	4.986	ug/l	91
13) Acrolein	3.90	56	4129	22.974	ug/l	92
14) Allyl chloride	4.67	41	17685	4.219	ug/l	98
15) Acrylonitrile	5.38	53	11660	21.390	ug/l	97
16) Acetone	4.14	43	13731	25.637	ug/l	100
17) Carbon Disulfide	4.37	76	36806	4.862	ug/l	97
18) Methyl Acetate	4.68	43	6483	4.725	ug/l	100
19) Methyl tert-butyl Ether	5.44	73	19098	4.906	ug/l	95
20) Methylene Chloride	4.92	84	18865	6.788	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	13567	4.954	ug/l	97
22) Diisopropyl ether	6.32	45	33190	4.211	ug/l	97
23) Vinyl Acetate	6.26	43	95014	19.740	ug/l	98
24) 1,1-Dichloroethane	6.21	63	21555	4.434	ug/l	100
25) 2-Butanone	7.19	43	15480	20.203	ug/l	97
26) 2,2-Dichloropropane	7.17	77	16760	4.929	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	14921	4.828	ug/l	97
28) Bromochloromethane	7.52	49	8428	4.580	ug/l	95
29) Tetrahydrofuran	7.54	42	10027	20.686	ug/l	98
30) Chloroform	7.68	83	23648	4.705	ug/l	99
31) Cyclohexane	7.96	56	26029	5.427	ug/l #	83
32) 1,1,1-Trichloroethane	7.87	97	21716	4.844	ug/l	97
36) 1,1-Dichloropropene	8.09	75	19158	4.974	ug/l	99
37) Ethyl Acetate	7.26	43	6899	4.309	ug/l	99
38) Carbon Tetrachloride	8.07	117	20566	4.953	ug/l	94

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Oct 16 04:22:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	25730	5.072	ug/l	100
40) Benzene	8.33	78	51768	4.908	ug/l	100
41) Methacrylonitrile	7.49	41	3145	3.114	ug/l #	69
42) 1,2-Dichloroethane	8.41	62	15296	4.802	ug/l	98
43) Isopropyl Acetate	8.43	43	13902	4.169	ug/l	99
44) Trichloroethene	9.09	130	15879	5.157	ug/l	95
45) 1,2-Dichloropropane	9.37	63	12295	4.679	ug/l	99
46) Dibromomethane	9.46	93	6853	4.716	ug/l	98
47) Bromodichloromethane	9.65	83	16303	4.474	ug/l	98
48) Methyl methacrylate	9.45	41	6455	4.053	ug/l	96
49) 1,4-Dioxane	9.48	88	2162	97.438	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	34619	21.221	ug/l	99
52) Toluene	10.39	92	34740	4.994	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	15655	4.146	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	18336	4.303	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	9688	4.800	ug/l	95
56) Ethyl methacrylate	10.65	69	11216	4.182	ug/l	96
57) 1,3-Dichloropropane	10.94	76	15860	4.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	25636	23.695	ug/l	98
59) 2-Hexanone	10.98	43	23922	20.562	ug/l	94
60) Dibromochloromethane	11.13	129	11000	4.240	ug/l	100
61) 1,2-Dibromoethane	11.24	107	9400	4.657	ug/l	99
64) Tetrachloroethene	10.87	164	14631	5.321	ug/l	96
65) Chlorobenzene	11.66	112	40270	5.132	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	13315	4.629	ug/l	99
67) Ethyl Benzene	11.74	91	68999	4.996	ug/l	99
68) m/p-Xylenes	11.84	106	53934	9.964	ug/l	100
69) o-Xylene	12.17	106	25689	4.953	ug/l	100
70) Styrene	12.19	104	40380	4.702	ug/l	99
71) Bromoform	12.35	173	6945	4.081	ug/l #	95
73) Isopropylbenzene	12.47	105	72124	4.935	ug/l	99
74) N-amyl acetate	12.28	43	13251	3.915	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	10684	4.488	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13468	7.710	ug/l #	100
77) Bromobenzene	12.75	156	17610	5.057	ug/l	98
78) n-propylbenzene	12.81	91	83943	4.887	ug/l	99
79) 2-Chlorotoluene	12.90	91	47004	4.842	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	60101	4.865	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2705	3.288	ug/l	92
82) 4-Chlorotoluene	12.99	91	49480	4.864	ug/l	99
83) tert-Butylbenzene	13.21	119	53887	4.910	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	61358	4.929	ug/l	98
85) sec-Butylbenzene	13.39	105	77007	4.994	ug/l	99
86) p-Isopropyltoluene	13.51	119	68534	4.935	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	35314	5.111	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	35899	5.229	ug/l	95
89) n-Butylbenzene	13.83	91	63188	4.858	ug/l	98
90) Hexachloroethane	14.10	117	10656	4.125	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	31650	5.150	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1966	4.465	ug/l	88

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Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

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Quant Title : SW846 8260
QLast Update : Tue Oct 16 04:19:21 2018
Response via : Initial Calibration

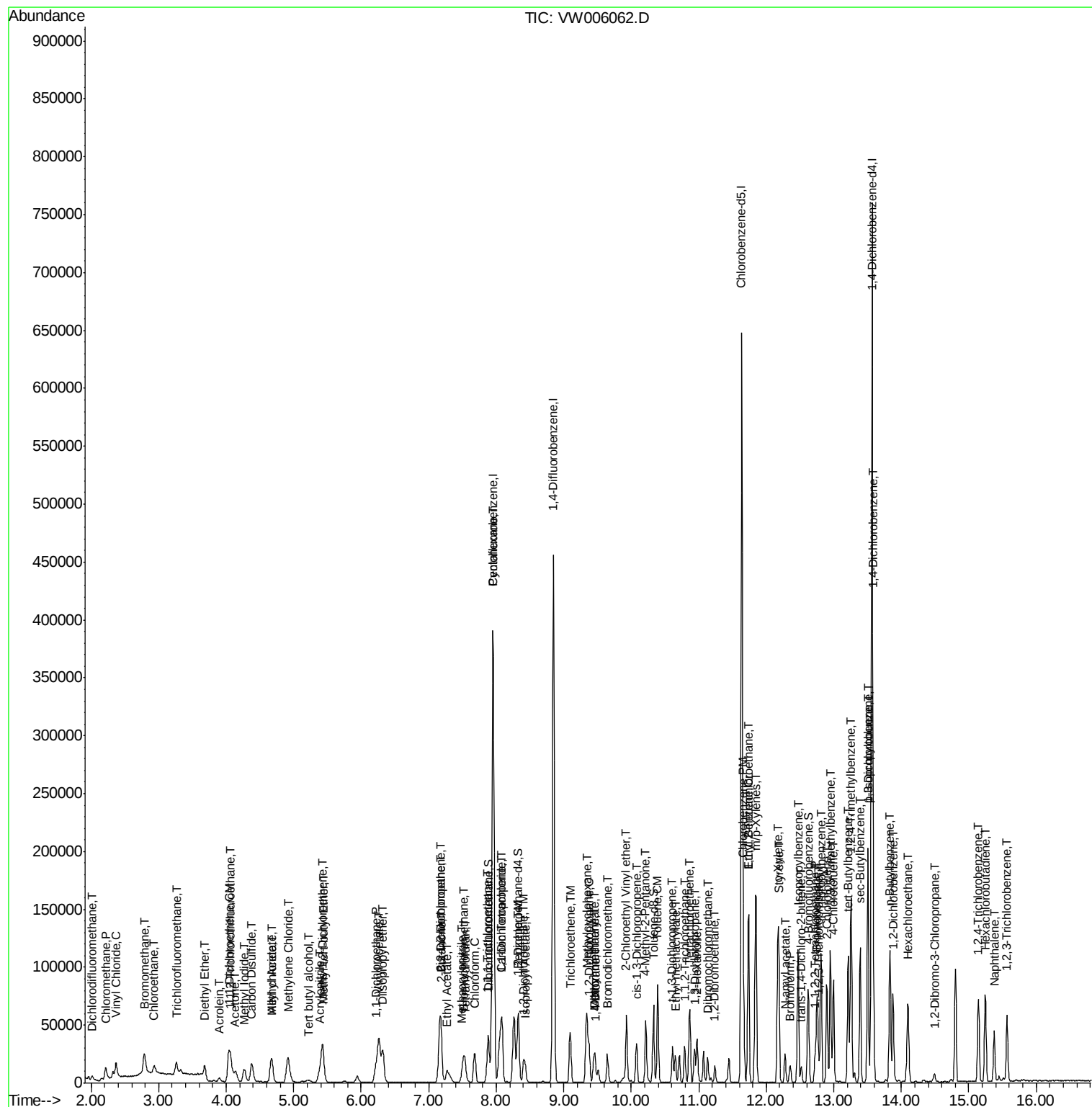
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24093	5.092	ug/l	99
94) Hexachlorobutadiene	15.24	225	15321	5.185	ug/l	99
95) Naphthalene	15.38	128	37773	4.646	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	20266	4.945	ug/l	99

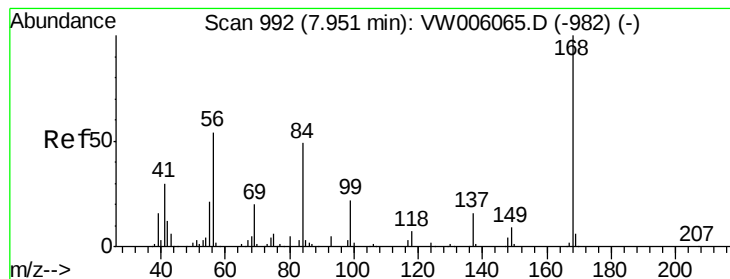
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Data File : VW006062.D
Acq On : 15 Oct 2018 15:50
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Quant Time: Oct 16 04:22:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 16 04:19:21 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampled :

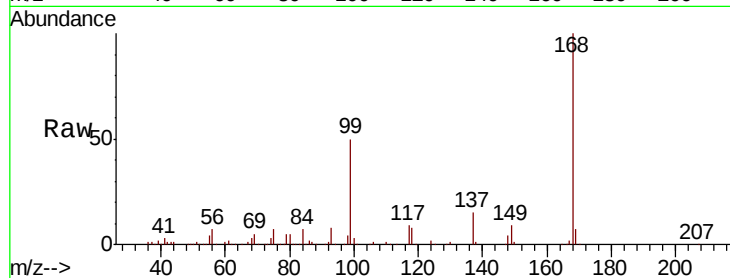
BFB

Tgt Ion:168 Resp: 288111

Ion Ratio Lower Upper

168 100

99 50.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

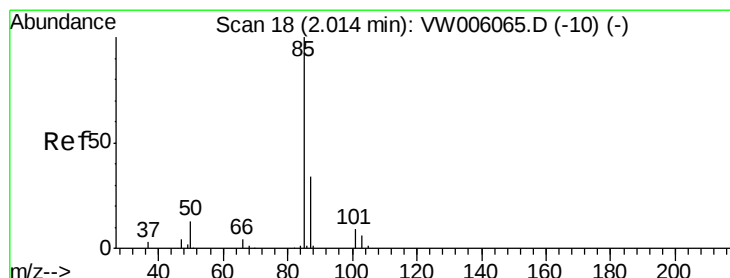
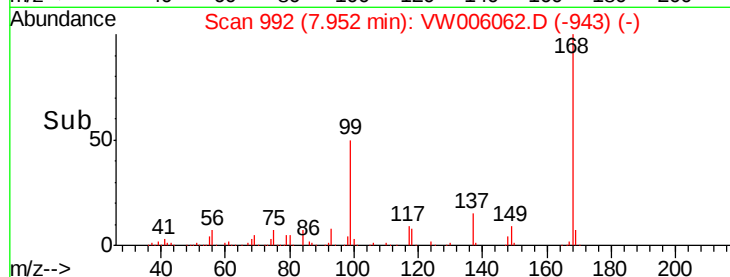
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 5.073 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006062.D

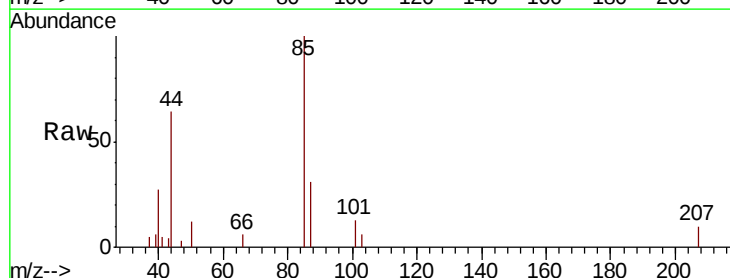
Acq: 15 Oct 2018 15:50

Tgt Ion: 85 Resp: 7218

Ion Ratio Lower Upper

85 100

87 31.1 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2500

2000

1500

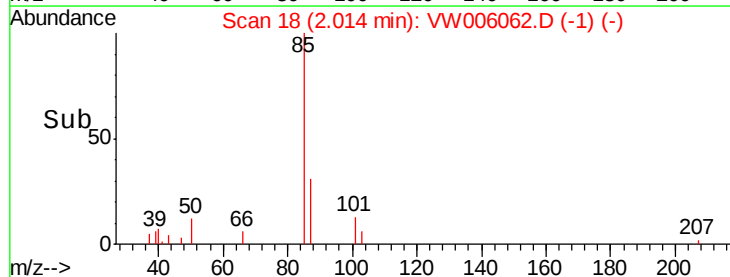
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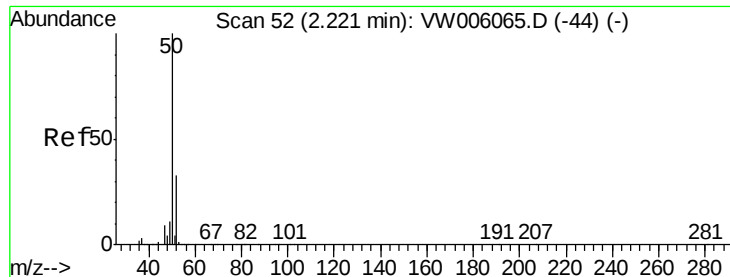
500

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 6.053 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampled :

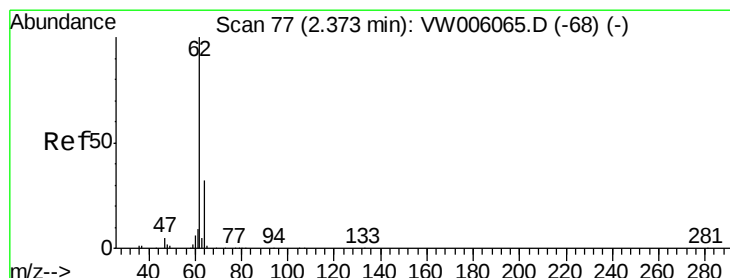
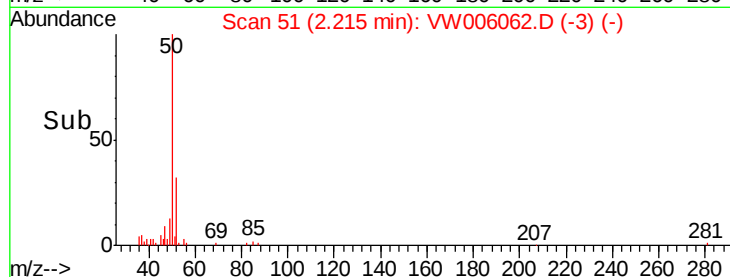
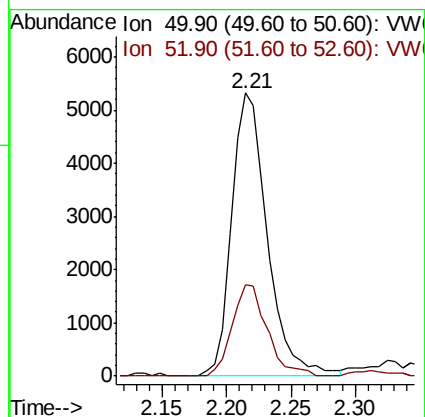
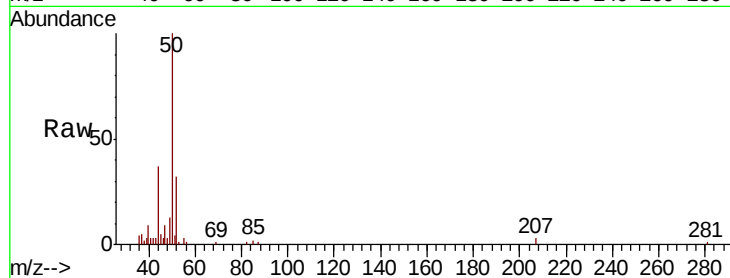
BFB

Tgt Ion: 50 Resp: 10259

Ion Ratio Lower Upper

50 100

52 32.3 26.8 40.2



#4

Vinyl Chloride

Concen: 5.172 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006062.D

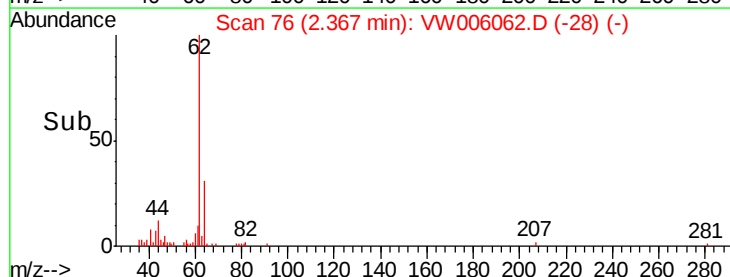
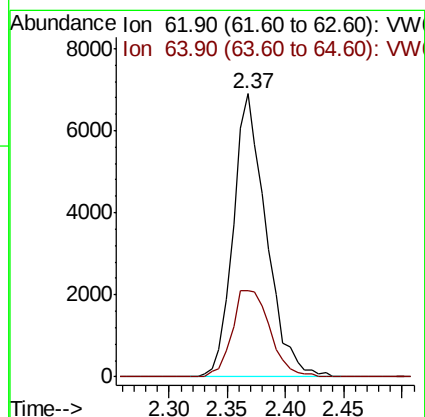
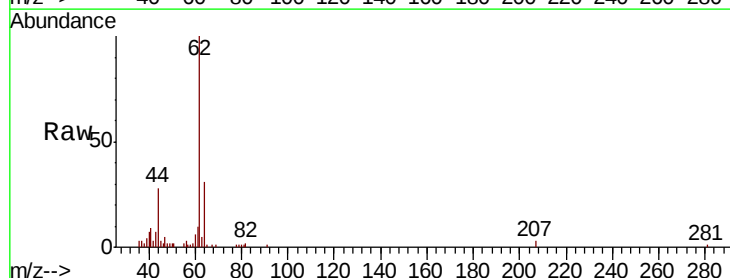
Acq: 15 Oct 2018 15:50

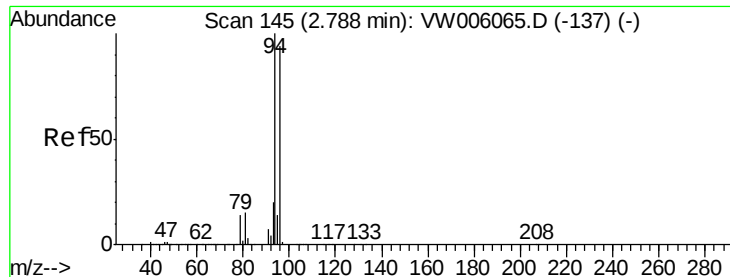
Tgt Ion: 62 Resp: 13597

Ion Ratio Lower Upper

62 100

64 30.6 25.9 38.9





#5

Bromomethane

Concen: 5.966 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampled :

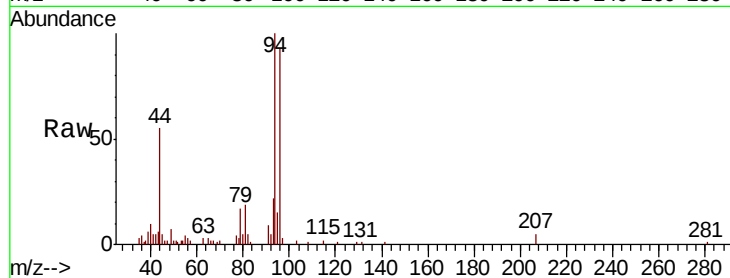
BFB

Tgt Ion: 94 Resp: 12573

Ion Ratio Lower Upper

94 100

96 93.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

6000

5000

4000

3000

2000

1000

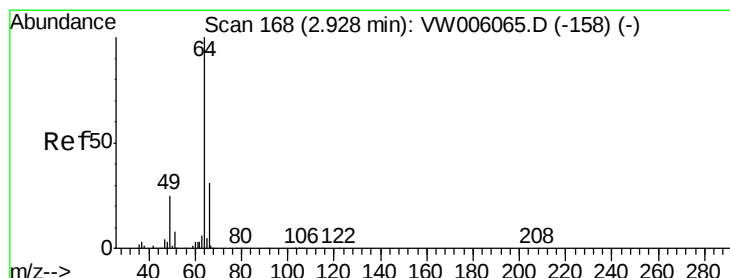
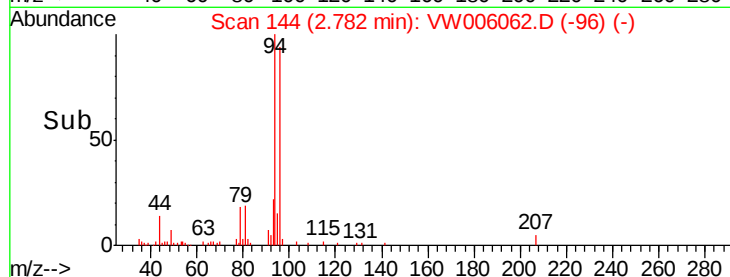
0

2.70

2.80

2.90

Time-->



#6

Chloroethane

Concen: 5.289 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006062.D

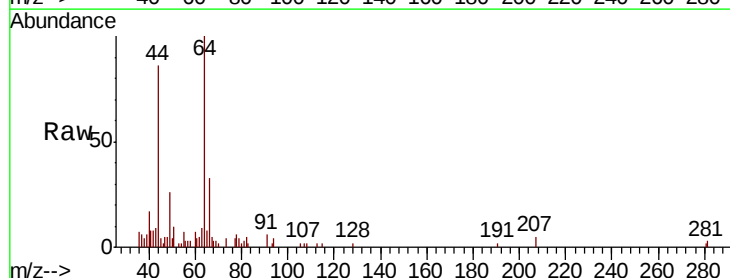
Acq: 15 Oct 2018 15:50

Tgt Ion: 64 Resp: 9030

Ion Ratio Lower Upper

64 100

66 32.7 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

3000

2000

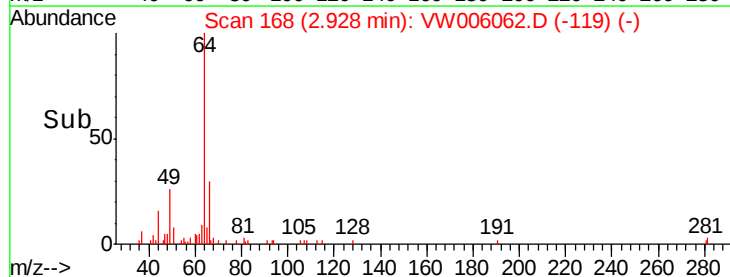
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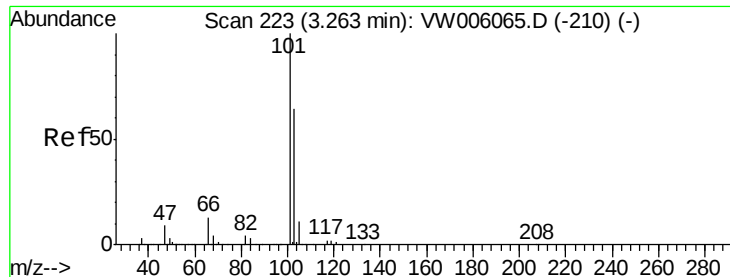
0

2.90

3.00

Time-->



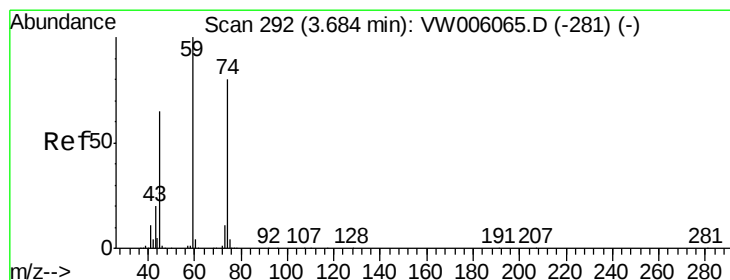
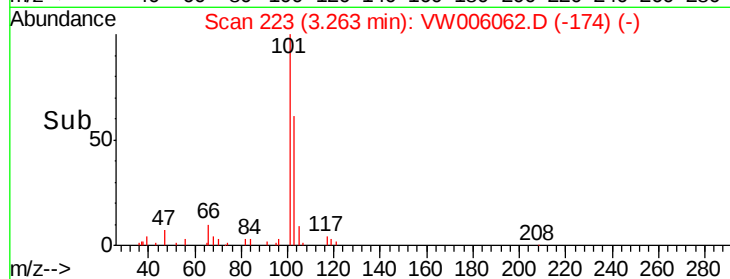
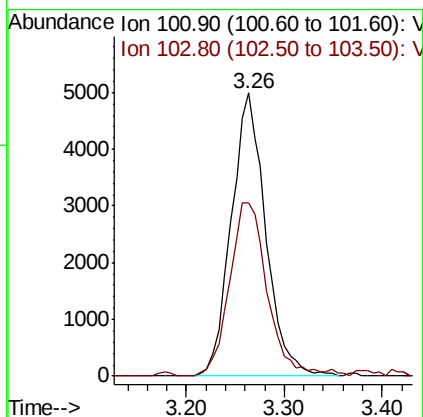
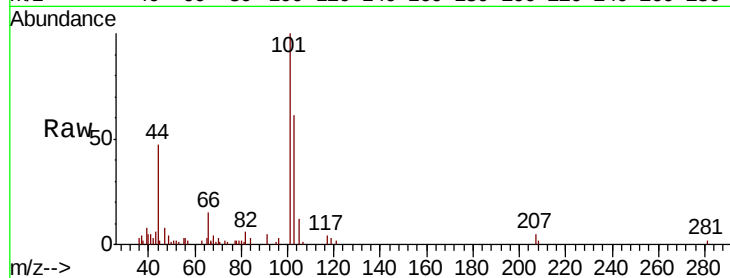


#7

Trichlorofluoromethane
 Concen: 5.685 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

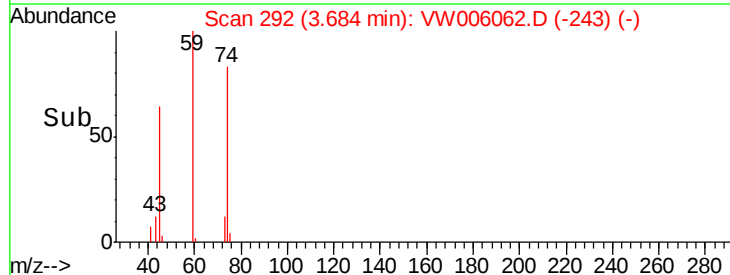
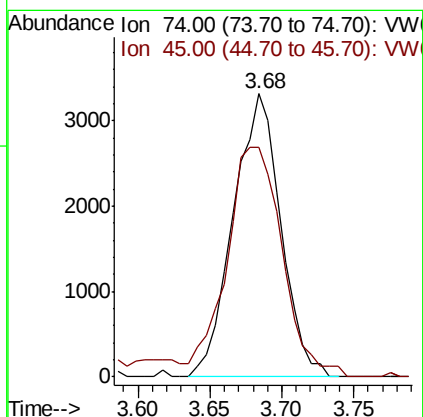
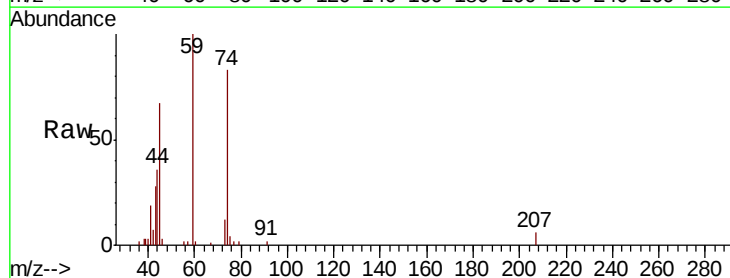
Tgt Ion: 101 Resp: 12182
 Ion Ratio Lower Upper
 101 100
 103 61.3 51.2 76.8

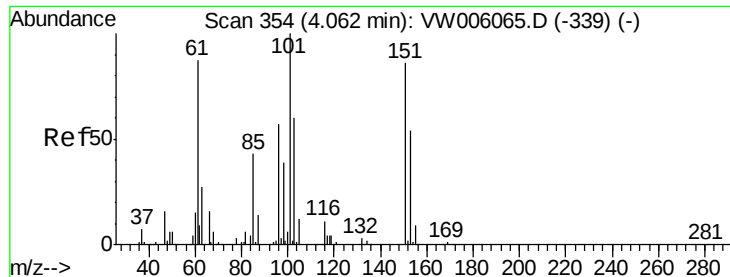


#8

Diethyl Ether
 Concen: 5.821 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion: 74 Resp: 7594
 Ion Ratio Lower Upper
 74 100
 45 95.6 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.108 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

BFB

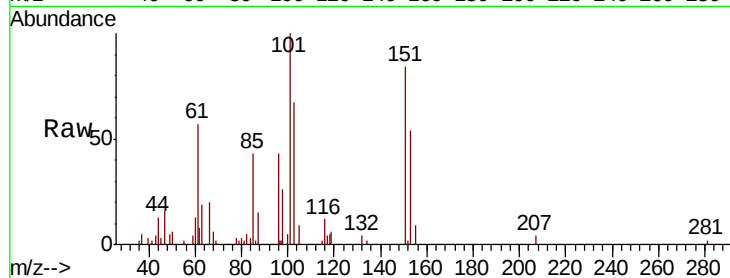
Tgt Ion:101 Resp: 13394

Ion Ratio Lower Upper

101 100

85 41.5 34.9 52.3

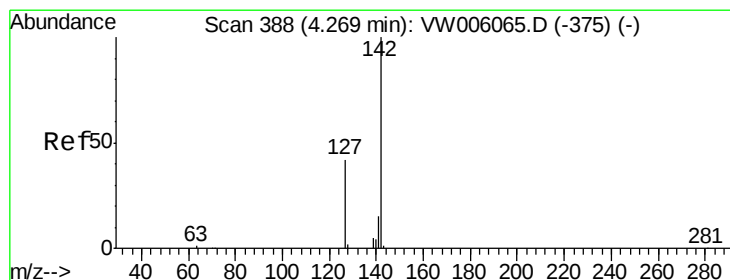
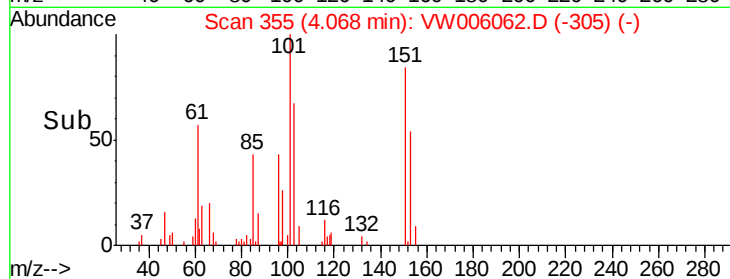
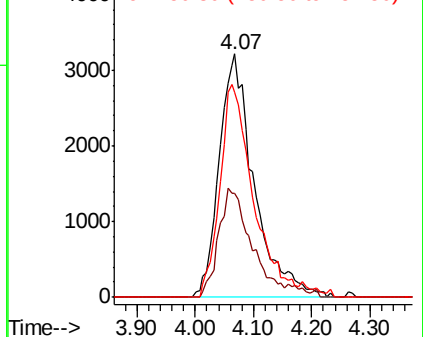
151 83.4 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.877 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

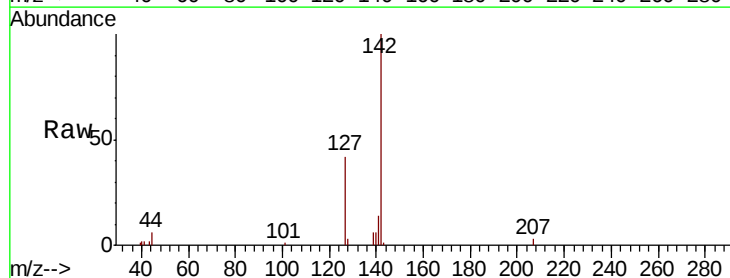
Tgt Ion:142 Resp: 20991

Ion Ratio Lower Upper

142 100

127 42.5 33.6 50.4

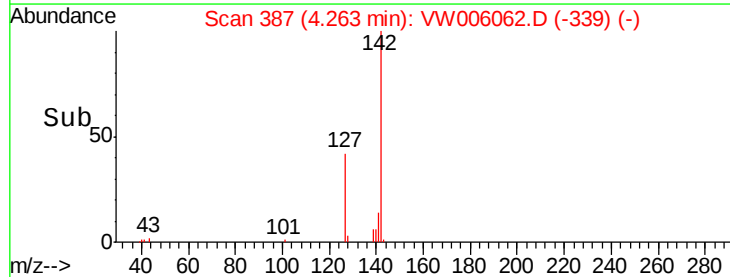
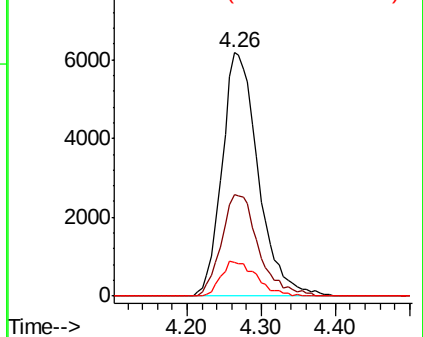
141 14.1 11.6 17.4

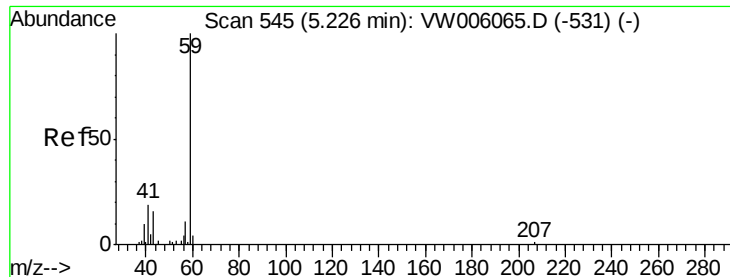


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

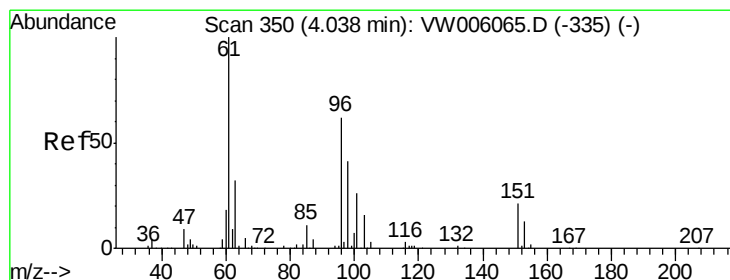
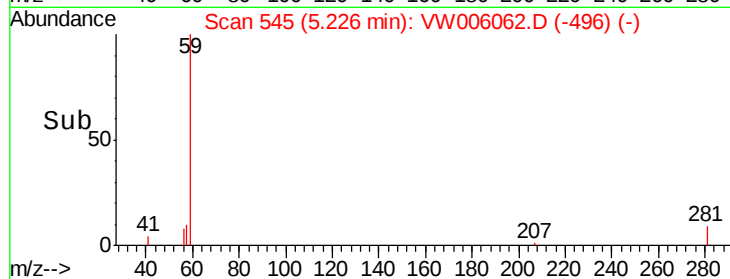
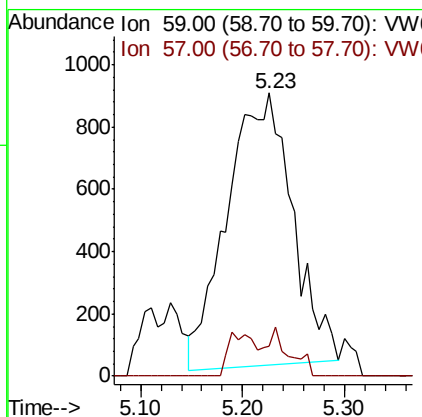
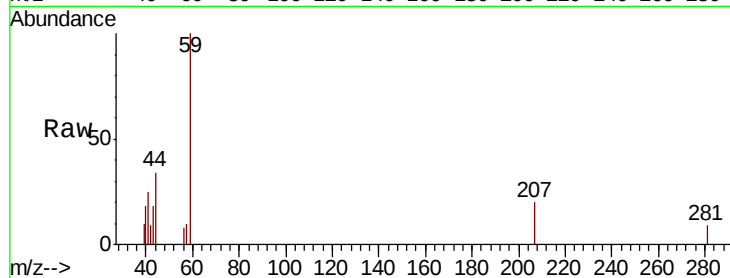




#11
Tert butyl alcohol
Concen: 19.713 ug/l
RT: 5.23 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

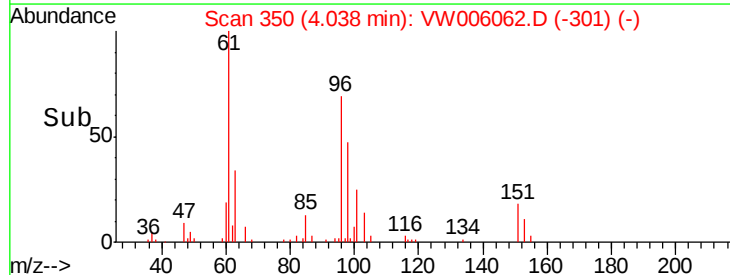
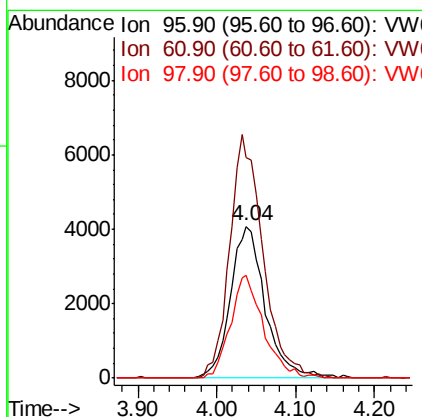
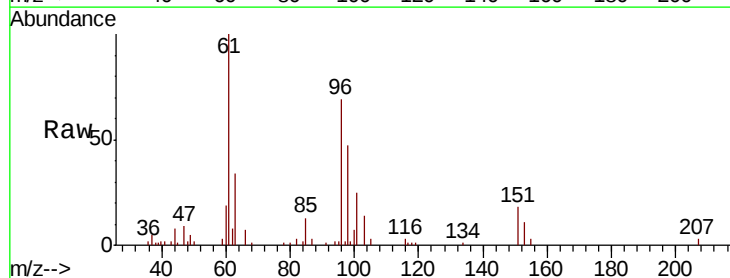
Instrument :
MSVOA_W
ClientSampled :
BFB

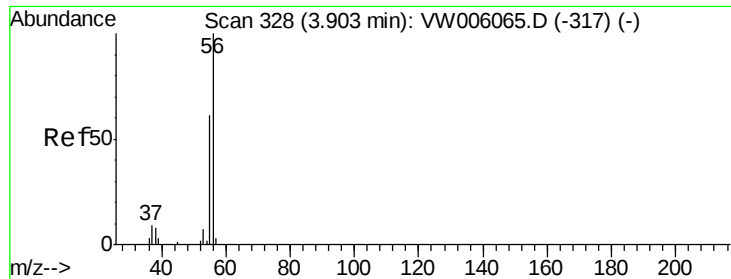
Tgt Ion: 59 Resp: 3899
Ion Ratio Lower Upper
59 100
57 5.5 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 4.986 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion: 96 Resp: 12490
Ion Ratio Lower Upper
96 100
61 145.3 129.3 193.9
98 67.8 53.1 79.7





#13

Acrolein

Concen: 22.974 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

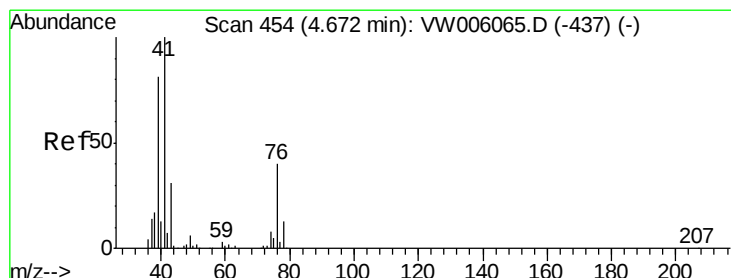
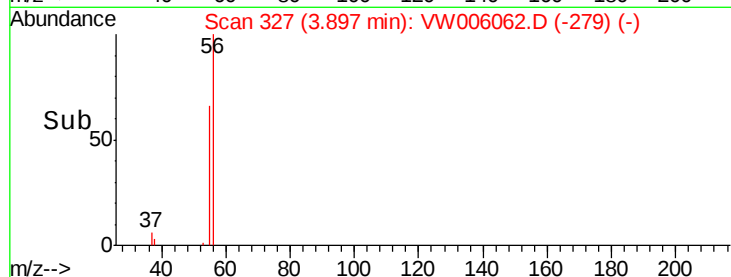
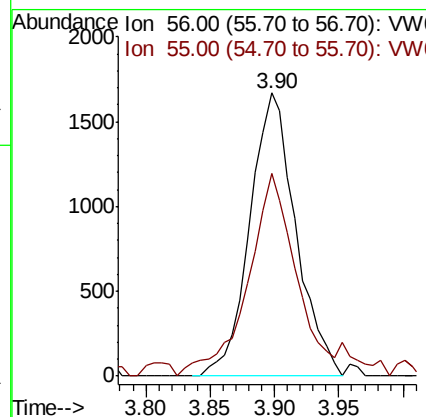
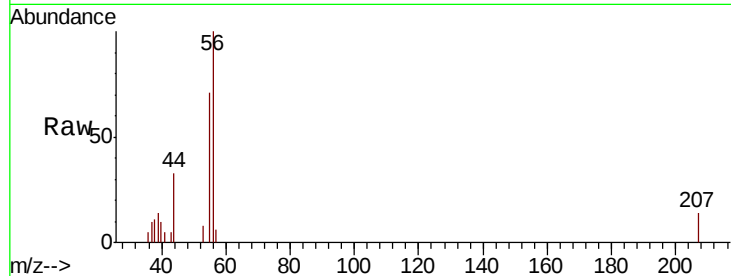
BFB

Tgt Ion: 56 Resp: 4129

Ion Ratio Lower Upper

56 100

55 74.5 54.5 81.7



#14

Allyl chloride

Concen: 4.219 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

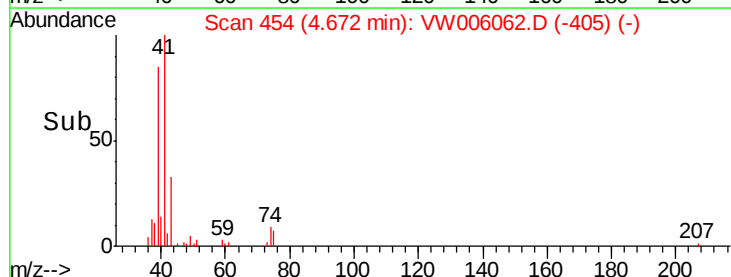
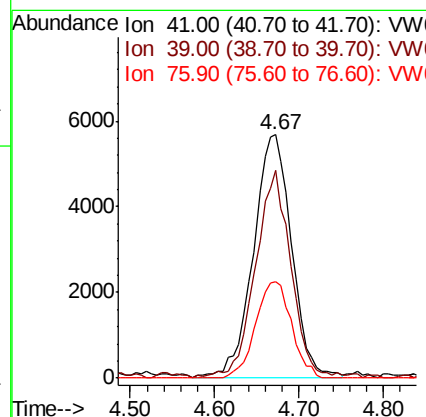
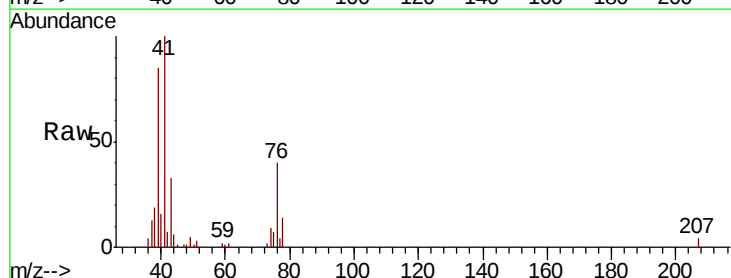
Tgt Ion: 41 Resp: 17685

Ion Ratio Lower Upper

41 100

39 79.9 64.1 96.1

76 37.0 32.2 48.4





#15

Acrylonitrile

Concen: 21.390 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

BFB

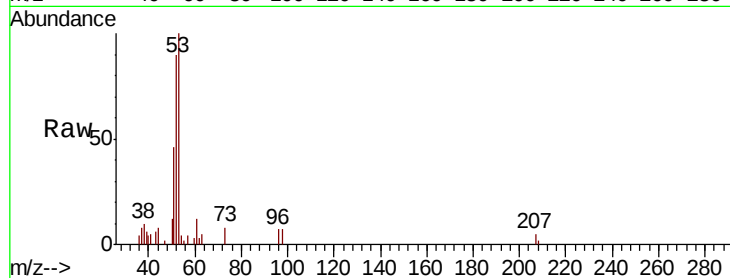
Tgt Ion: 53 Resp: 11660

Ion Ratio Lower Upper

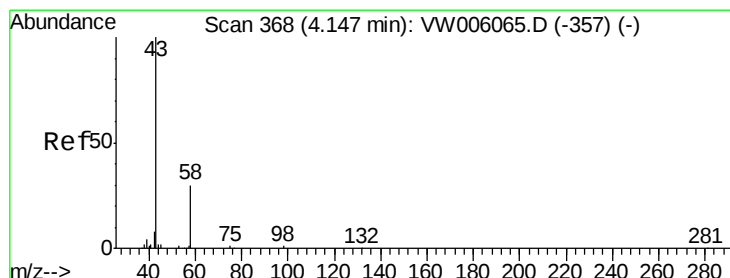
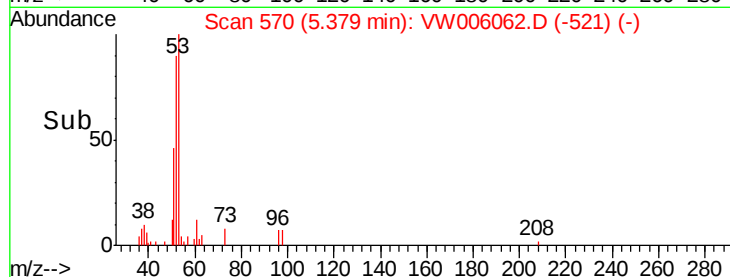
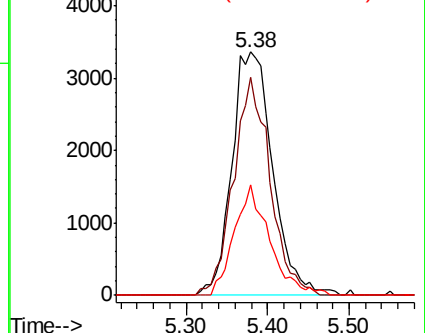
53 100

52 80.2 66.9 100.3

51 39.2 30.1 45.1



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



#16

Acetone

Concen: 25.637 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006062.D

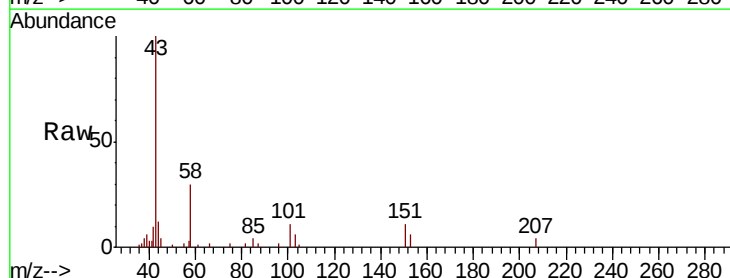
Acq: 15 Oct 2018 15:50

Tgt Ion: 43 Resp: 13731

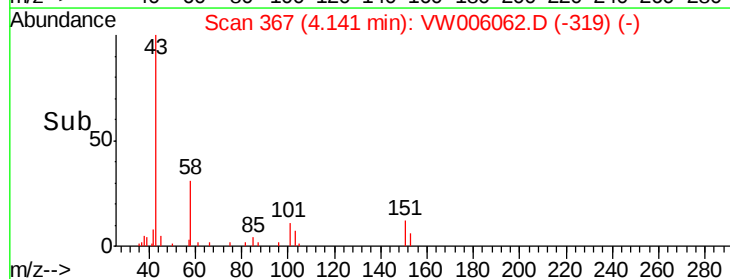
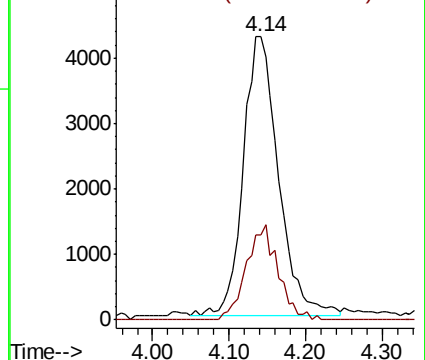
Ion Ratio Lower Upper

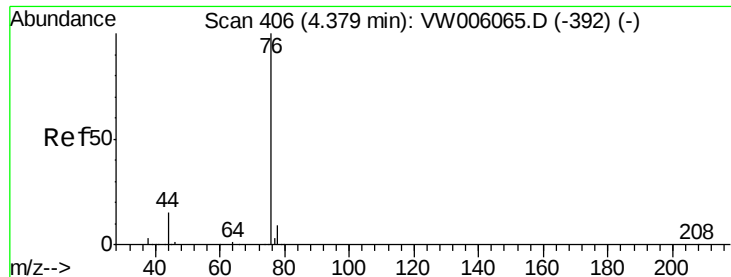
43 100

58 30.2 24.0 36.0



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

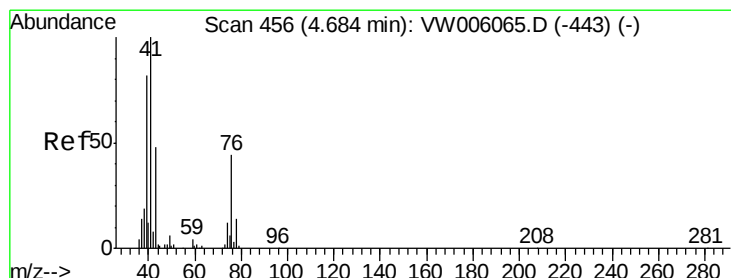
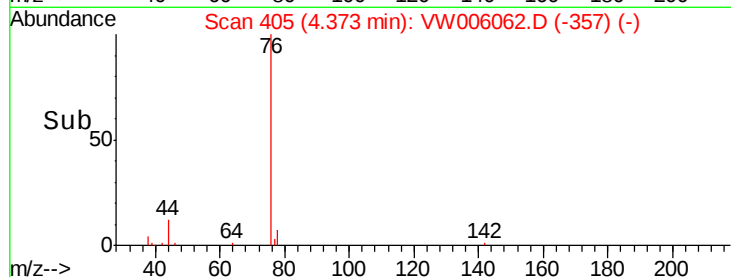
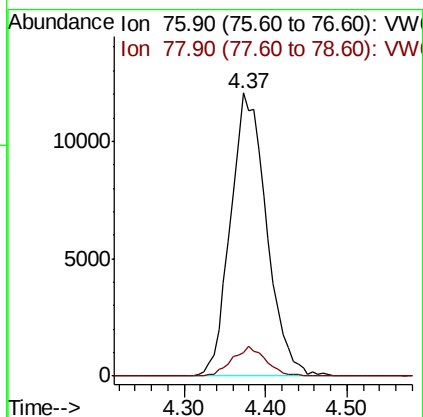
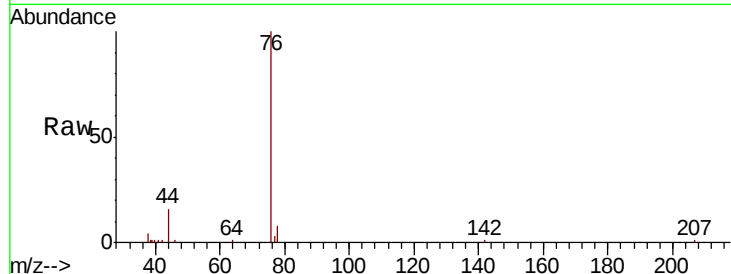




#17
Carbon Disulfide
Concen: 4.862 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

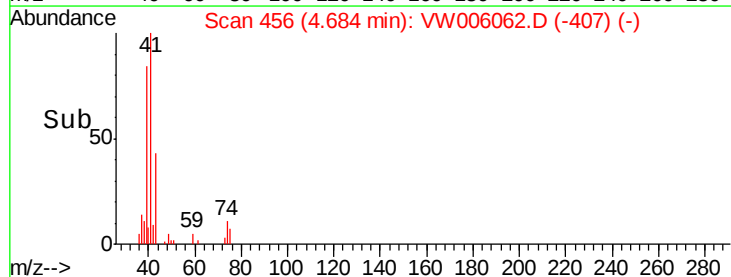
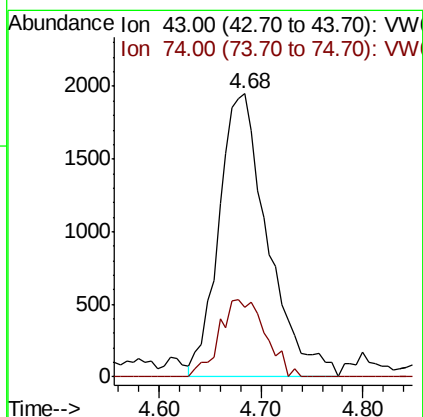
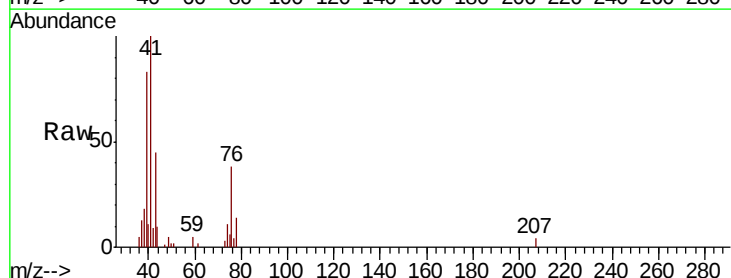
Instrument :
MSVOA_W
ClientSampleId :
BFB

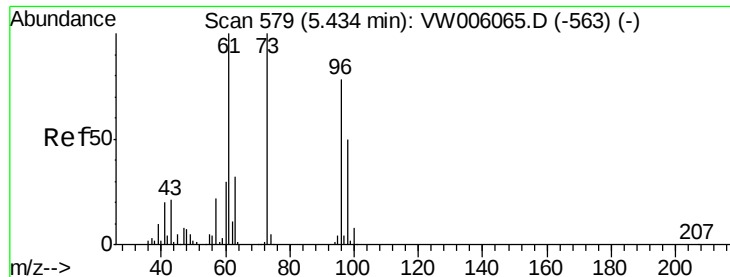
Tgt Ion: 76 Resp: 36806
Ion Ratio Lower Upper
76 100
78 8.3 7.5 11.3



#18
Methyl Acetate
Concen: 4.725 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion: 43 Resp: 6483
Ion Ratio Lower Upper
43 100
74 25.7 20.5 30.7

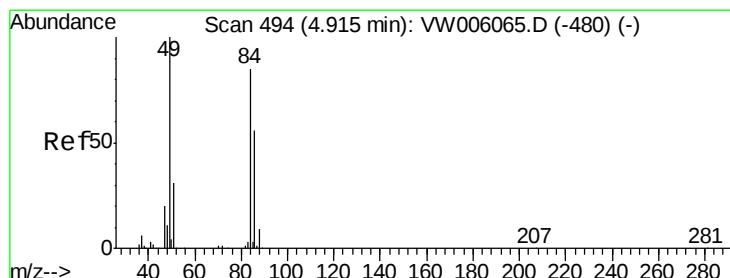
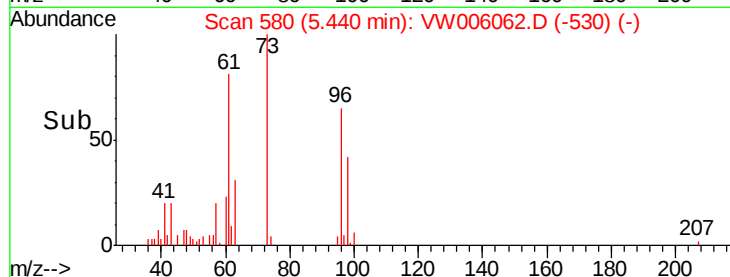
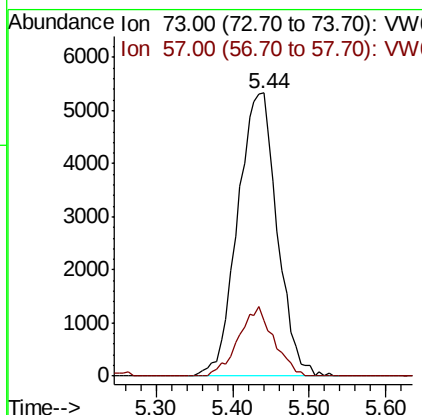
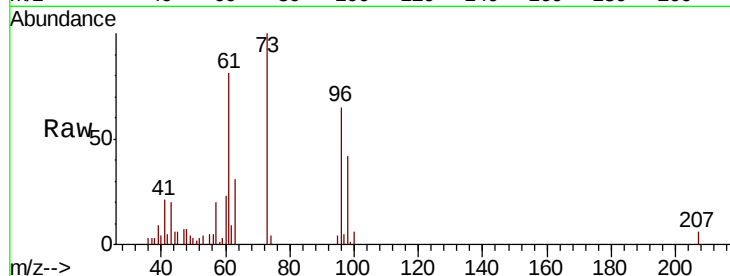




#19
Methyl tert-butyl Ether
Concen: 4.906 ug/l
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

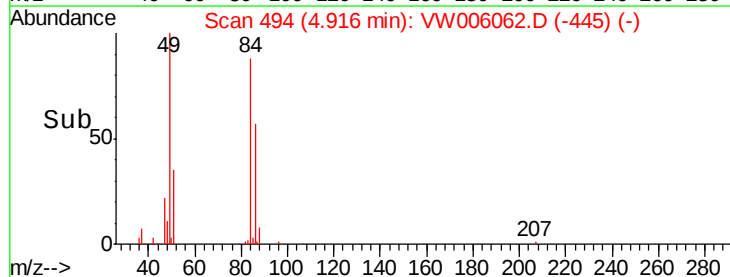
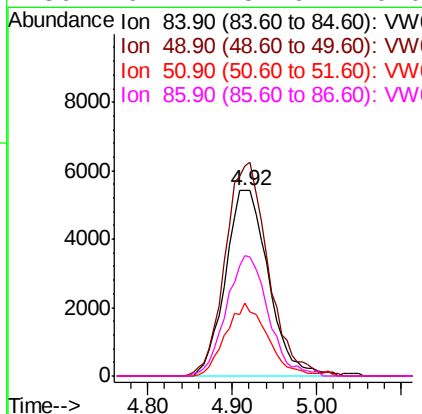
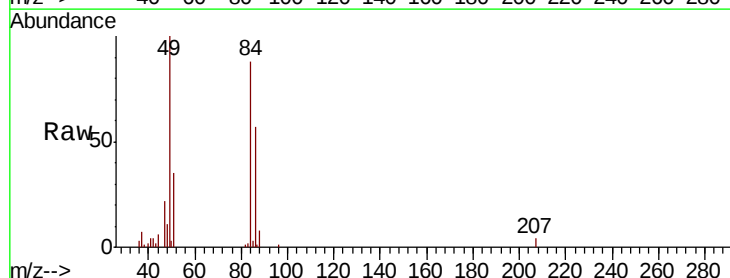
Instrument :
MSVOA_W
ClientSampled :
BFB

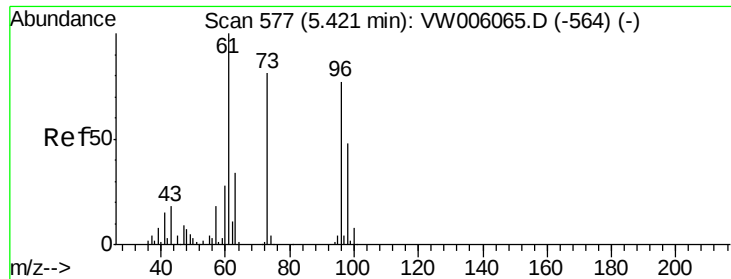
Tgt Ion: 73 Resp: 19098
Ion Ratio Lower Upper
73 100
57 19.6 17.4 26.2



#20
Methylene Chloride
Concen: 6.788 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion: 84 Resp: 18865
Ion Ratio Lower Upper
84 100
49 112.2 93.6 140.4
51 39.1 29.0 43.4
86 64.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 4.954 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

BFB

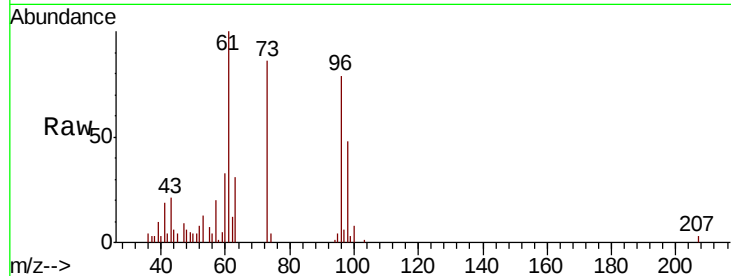
Tgt Ion: 96 Resp: 13567

Ion Ratio Lower Upper

96 100

61 126.1 104.5 156.7

98 61.1 50.6 75.8

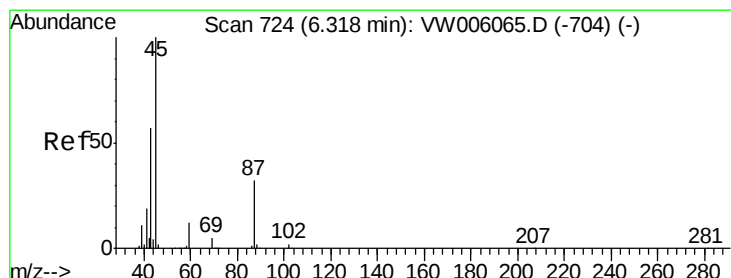
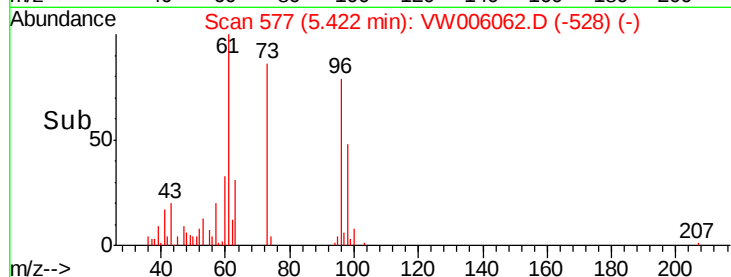
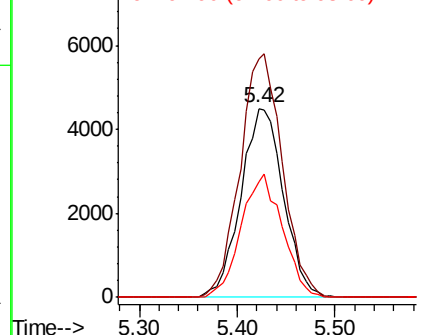


Abundance

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



#22

Diisopropyl ether

Concen: 4.211 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Tgt Ion: 45 Resp: 33190

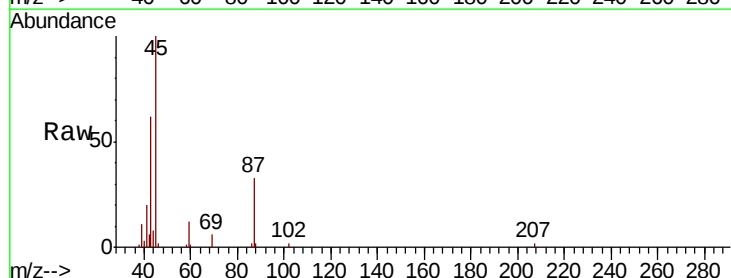
Ion Ratio Lower Upper

45 100

43 60.3 45.7 68.5

87 32.7 25.9 38.9

59 12.2 9.6 14.4



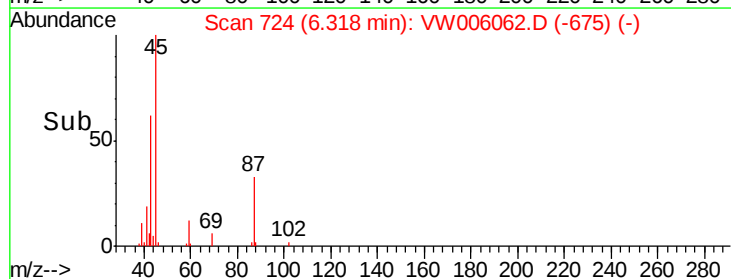
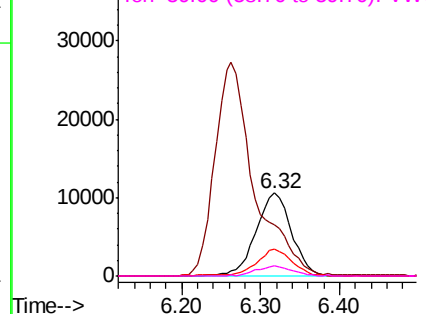
Abundance

Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

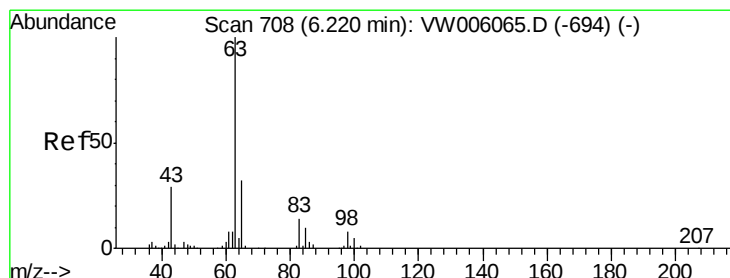
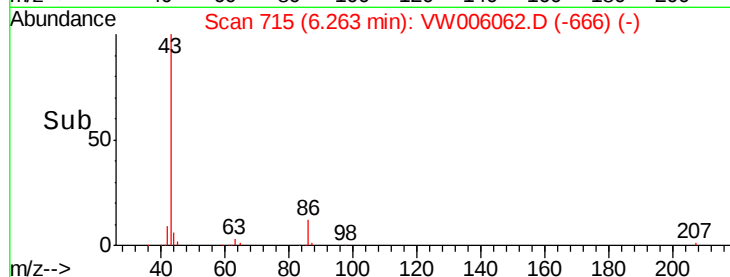
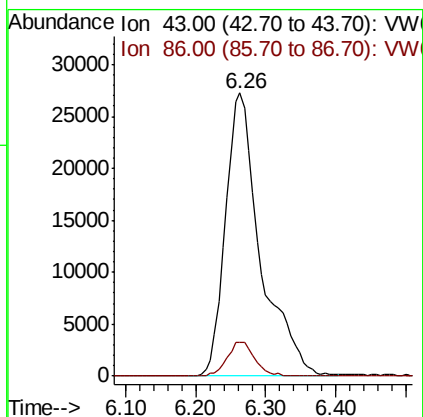
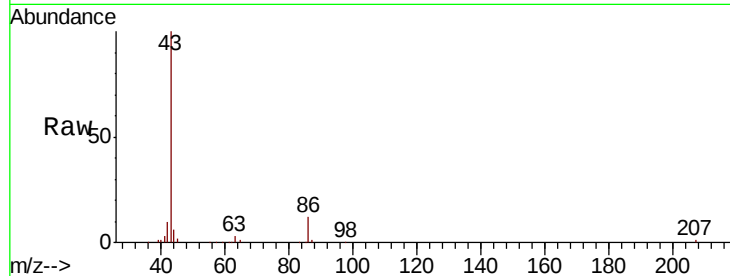




#23
 Vinyl Acetate
 Concen: 19.740 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

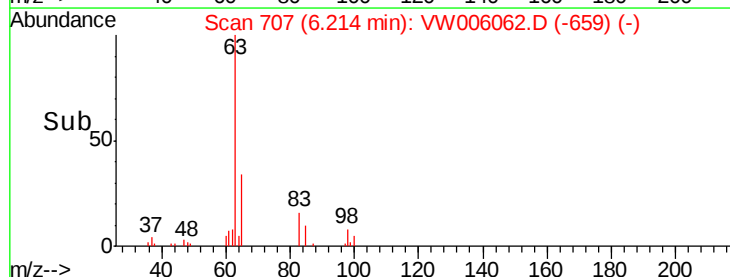
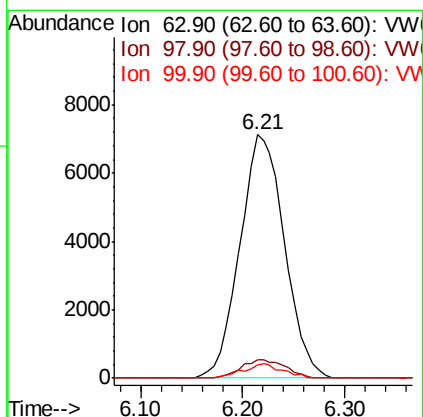
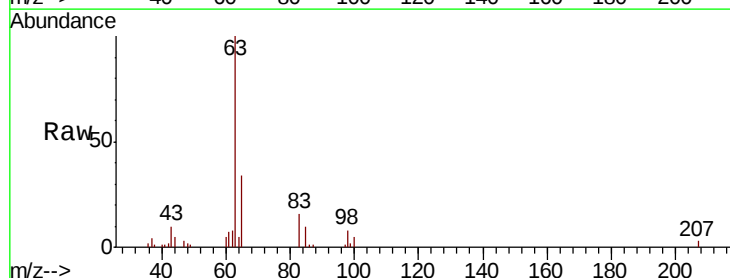
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

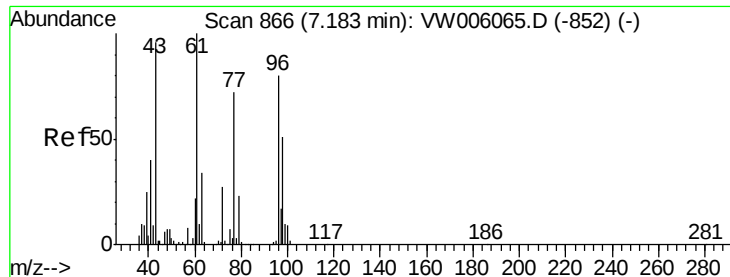
Tgt Ion: 43 Resp: 95014
 Ion Ratio Lower Upper
 43 100
 86 12.0 9.0 13.6



#24
 1,1-Dichloroethane
 Concen: 4.434 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion: 63 Resp: 21555
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.8 11.2
 100 5.3 2.5 7.5





#25

2-Butanone

Concen: 20.203 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

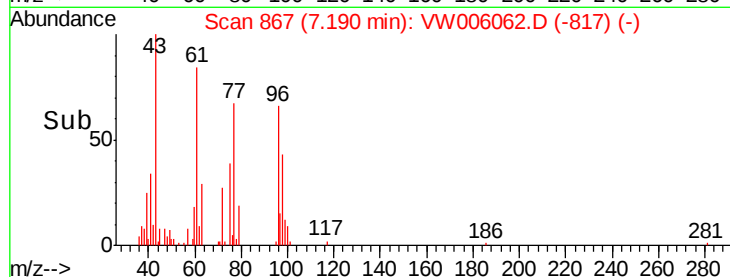
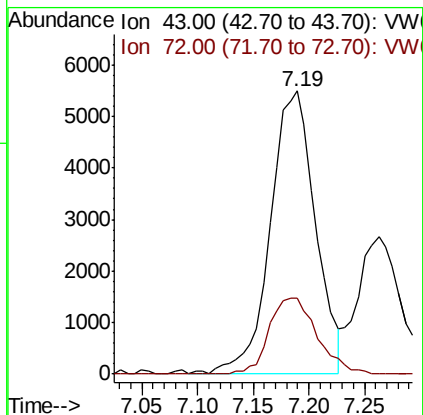
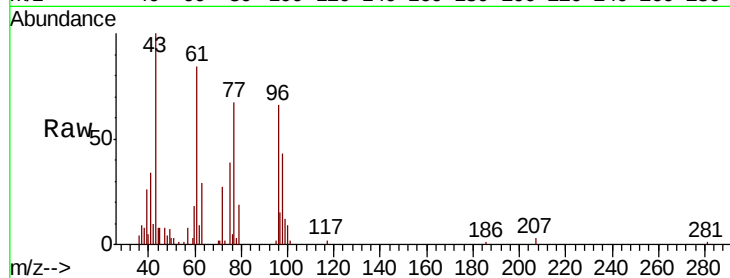
BFB

Tgt Ion: 43 Resp: 15480

Ion Ratio Lower Upper

43 100

72 26.9 22.8 34.2



#26

2,2-Dichloropropane

Concen: 4.929 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006062.D

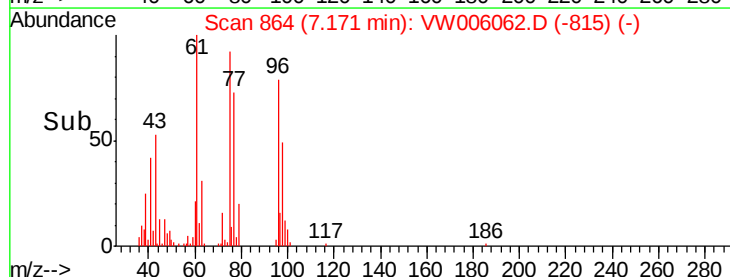
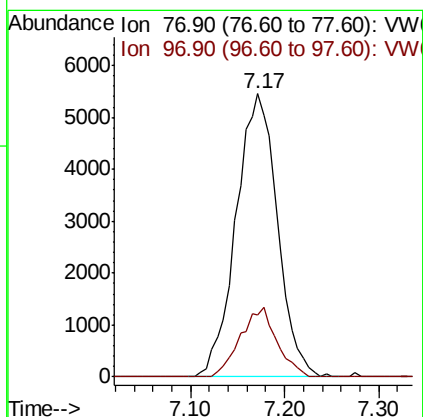
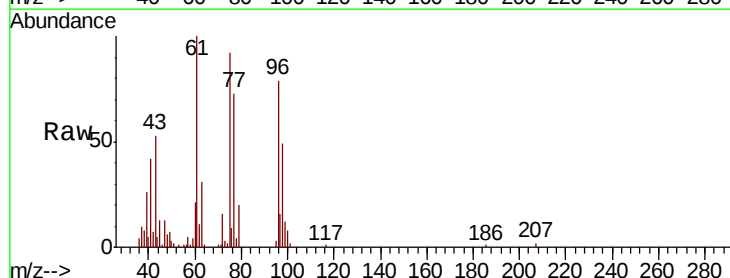
Acq: 15 Oct 2018 15:50

Tgt Ion: 77 Resp: 16760

Ion Ratio Lower Upper

77 100

97 21.6 12.2 36.4



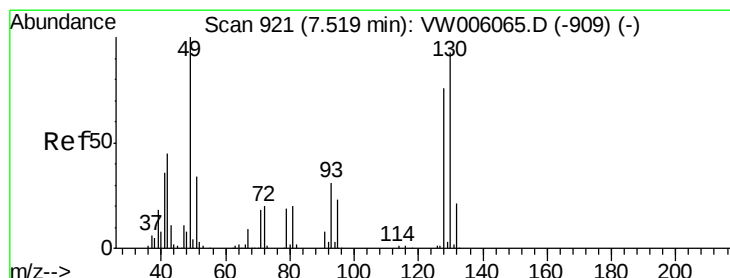
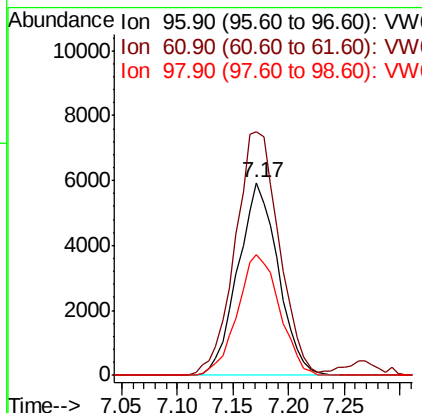
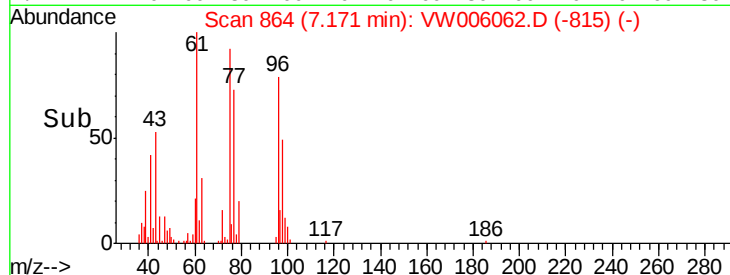
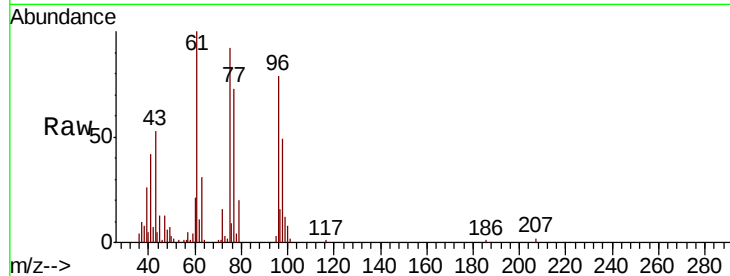


#27

cis-1,2-Dichloroethene
Concen: 4.828 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Instrument :
MSVOA_W
ClientSampled :
BFB

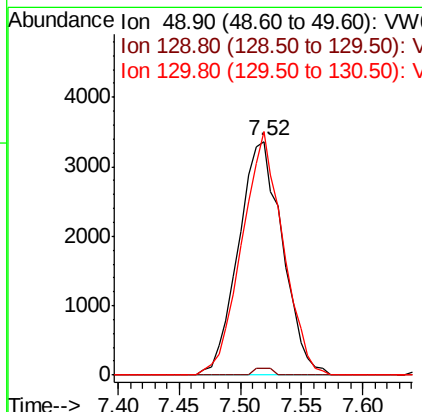
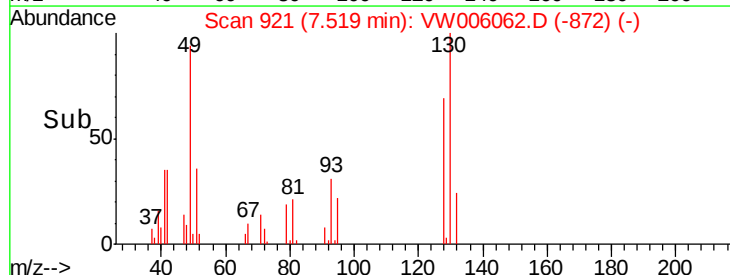
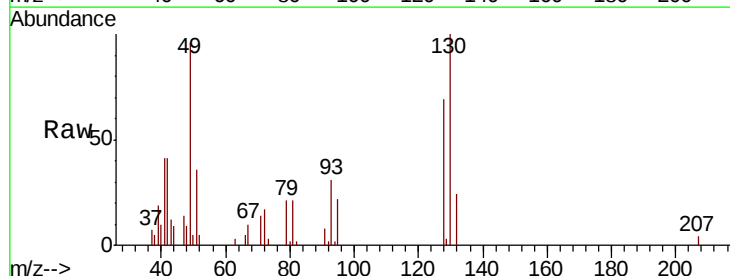
Tgt Ion: 96 Resp: 14921
Ion Ratio Lower Upper
96 100
61 137.7 0.0 267.2
98 65.6 0.0 128.6



#28

Bromochloromethane
Concen: 4.580 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion: 49 Resp: 8428
Ion Ratio Lower Upper
49 100
129 1.3 0.0 5.0
130 97.1 73.8 110.8





#29

Tetrahydrofuran

Concen: 20.686 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

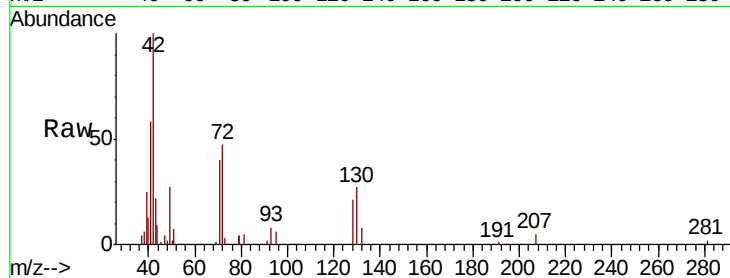
MSVOA_W

ClientSampleId :

BFB

Tgt Ion: 42 Resp: 10027

Ion	Ratio	Lower	Upper
42	100		
72	46.0	38.0	57.0
71	42.9	35.3	52.9

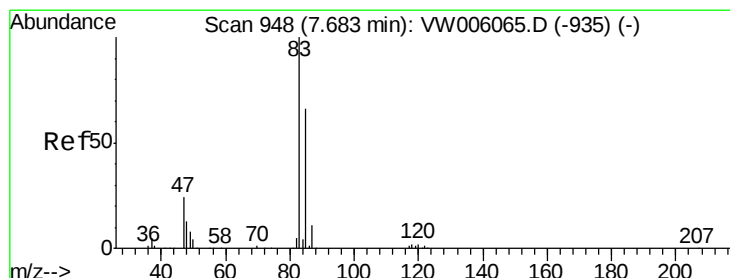
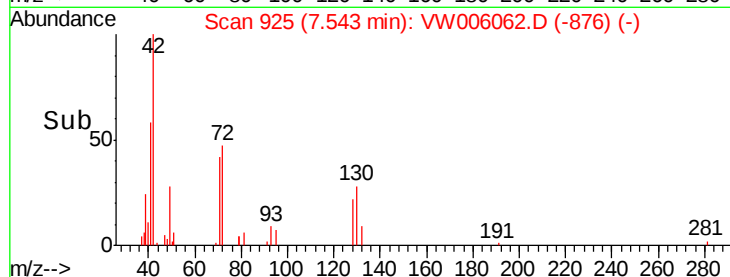
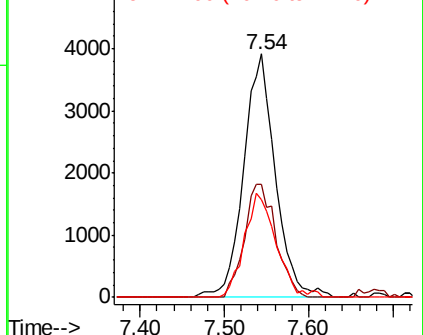


Abundance

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: 4.705 ug/l

RT: 7.68 min Scan# 948

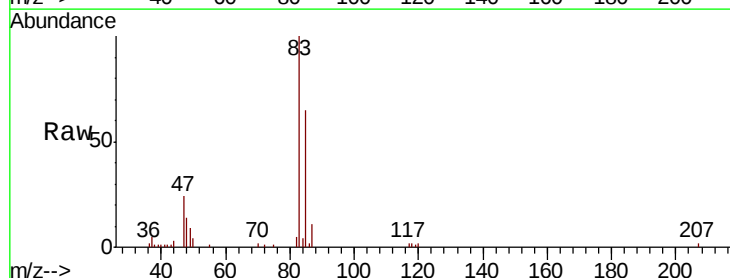
Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Tgt Ion: 83 Resp: 23648

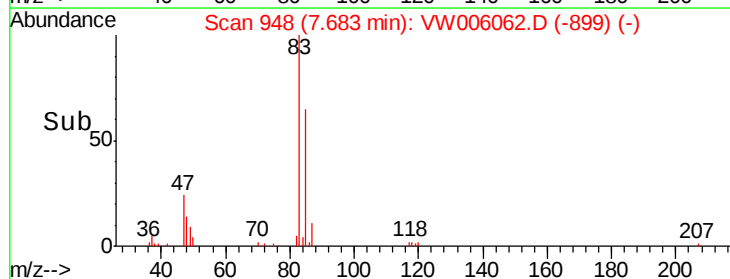
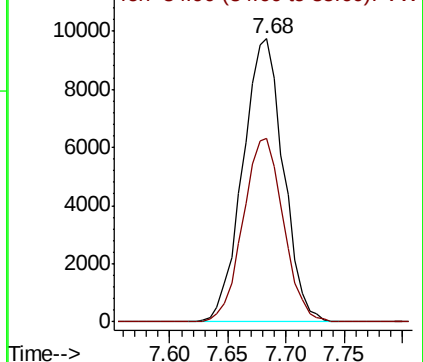
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	79.0

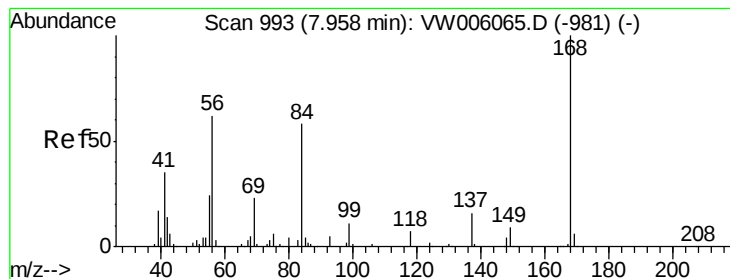


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 5.427 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampled :

BFB

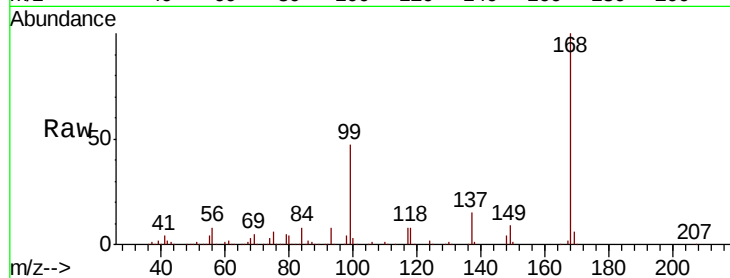
Tgt Ion: 56 Resp: 26029

Ion Ratio Lower Upper

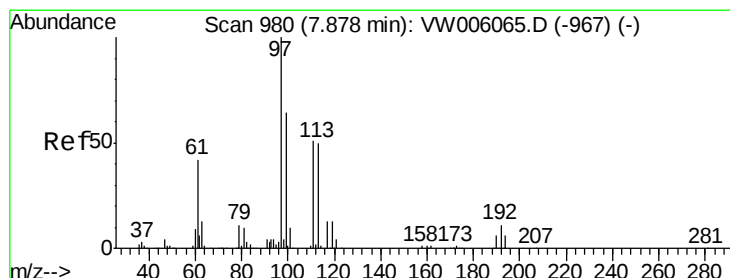
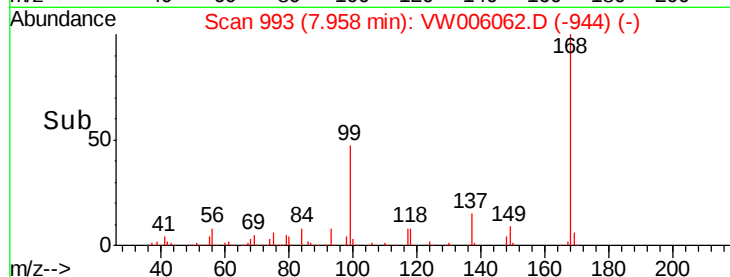
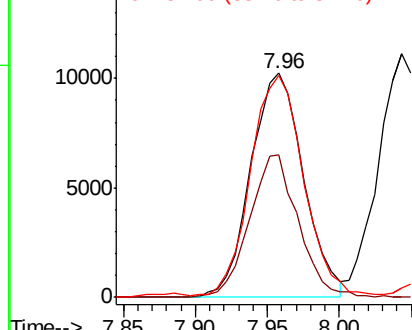
56 100

69 63.5 29.4 44.0#

84 98.2 74.0 111.0



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: 4.844 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

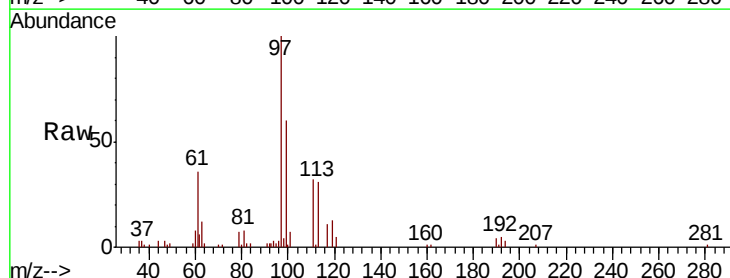
Tgt Ion: 97 Resp: 21716

Ion Ratio Lower Upper

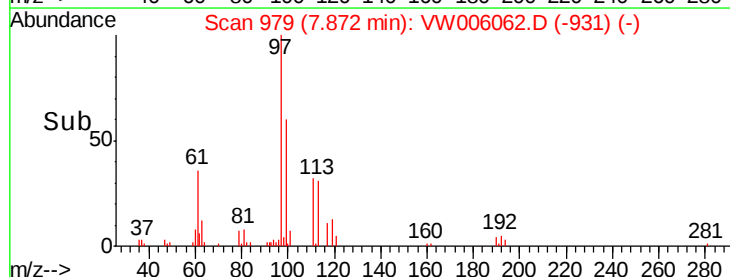
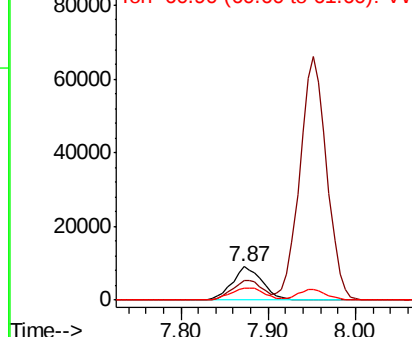
97 100

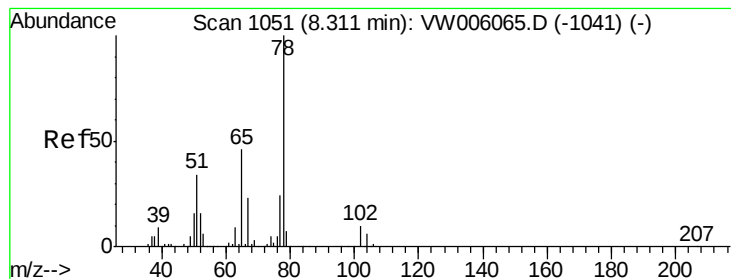
99 60.3 50.9 76.3

61 41.1 33.7 50.5



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: 4.378 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

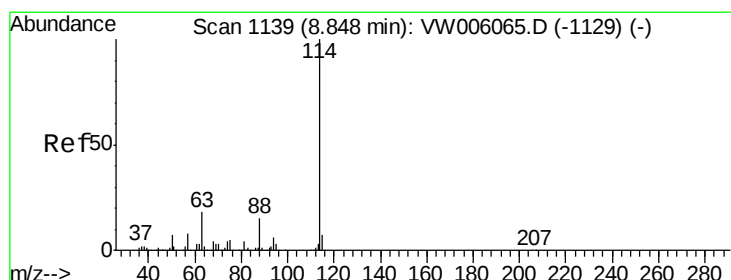
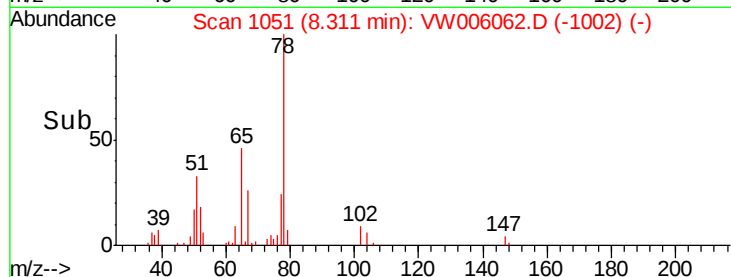
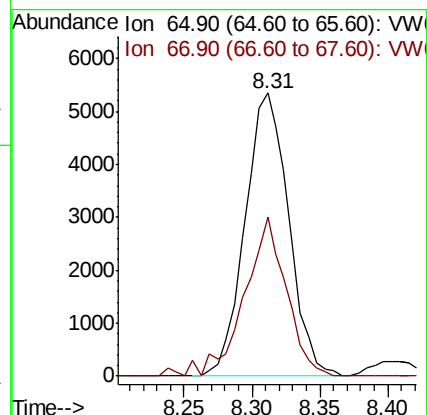
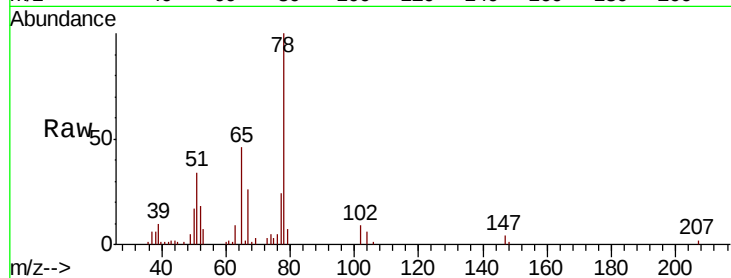
BFB

Tgt Ion: 65 Resp: 11979

Ion Ratio Lower Upper

65 100

67 54.0 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

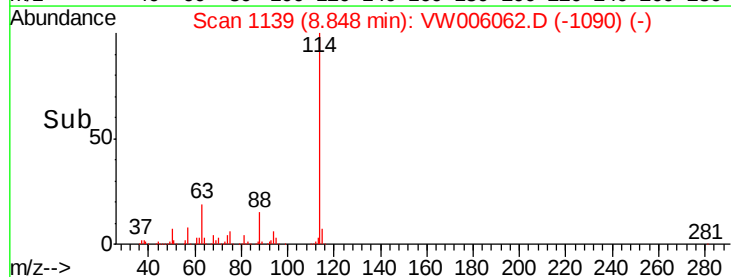
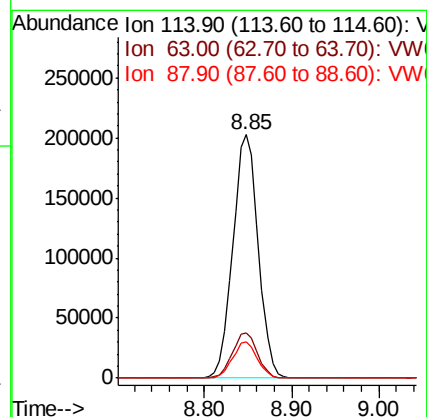
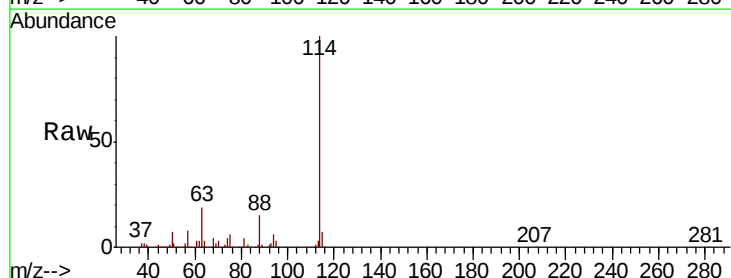
Tgt Ion: 114 Resp: 407208

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

88 14.7 0.0 29.0

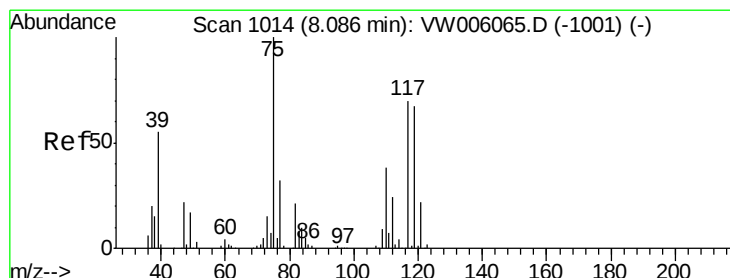
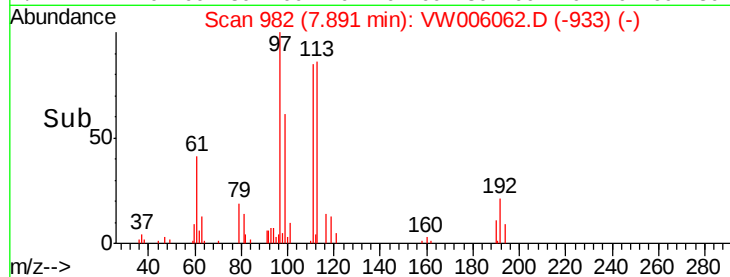
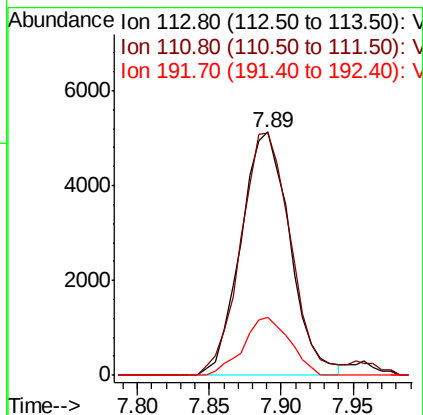
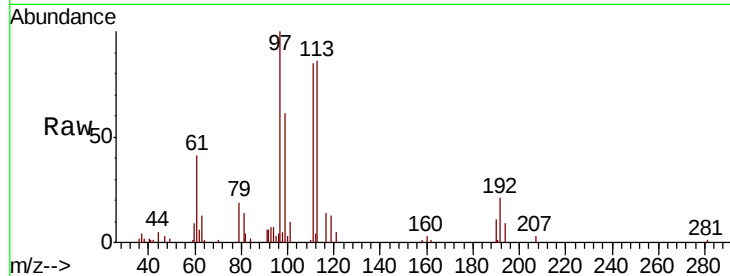




#35
 Dibromofluoromethane
 Concen: 4.714 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

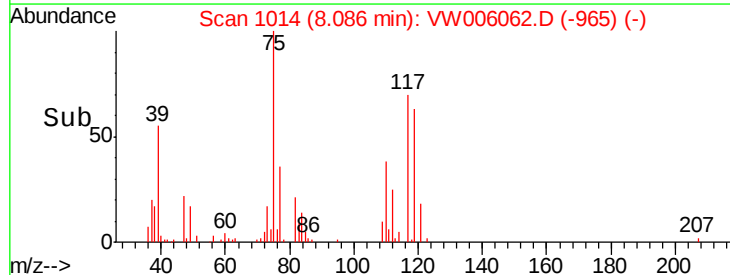
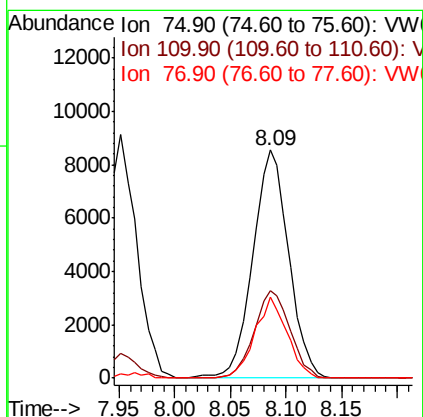
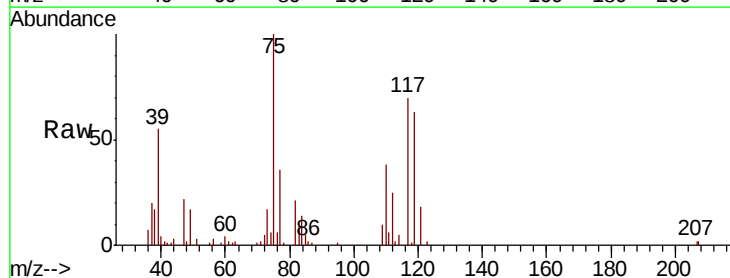
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

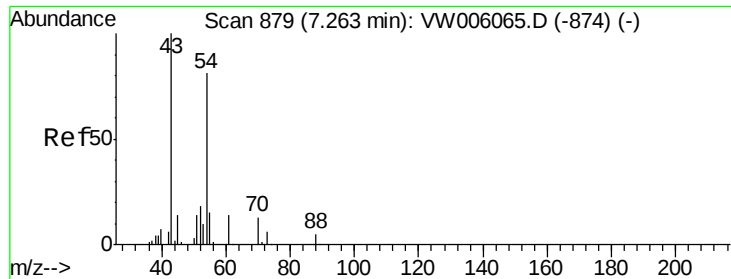
Tgt Ion: 113 Resp: 12106
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.4 122.0
 192 22.5 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 4.974 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion: 75 Resp: 19158
 Ion Ratio Lower Upper
 75 100
 110 38.4 19.1 57.1
 77 32.0 25.0 37.4

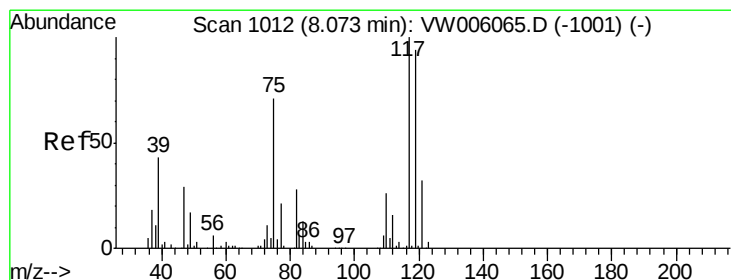
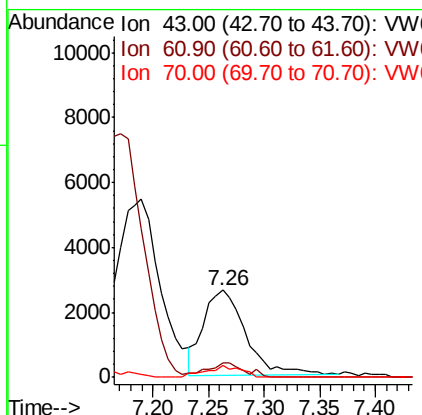
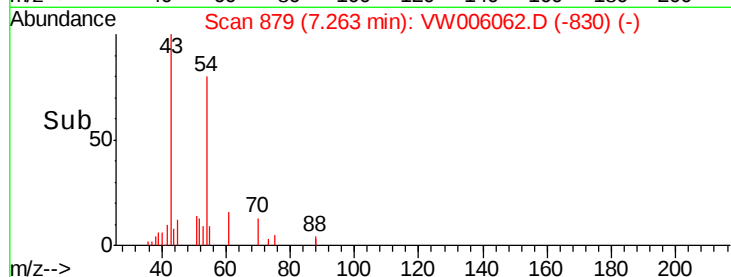
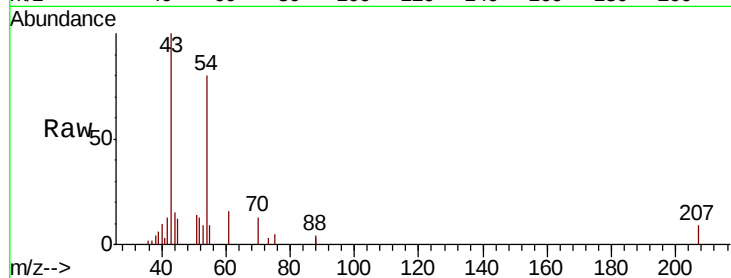




#37
 Ethyl Acetate
 Concen: 4.309 ug/l
 RT: 7.26 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

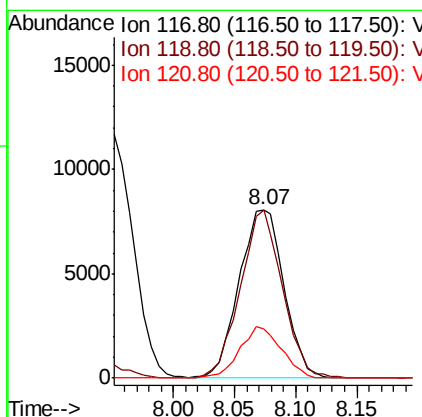
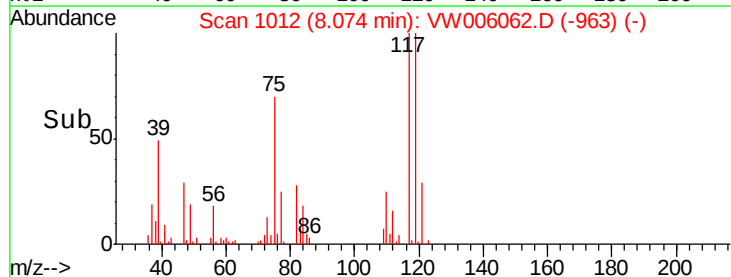
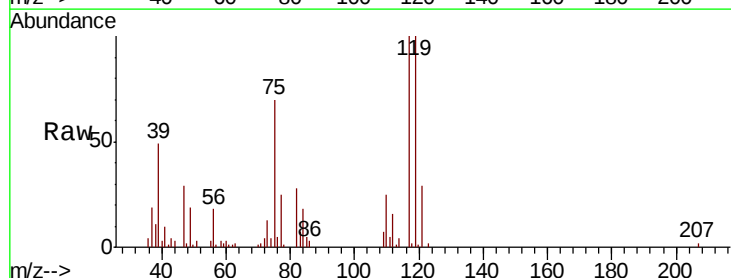
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

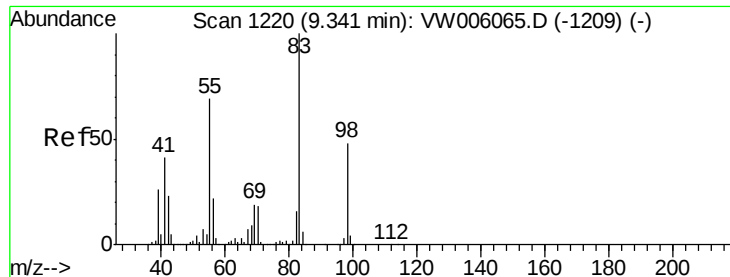
Tgt Ion: 43 Resp: 6899
 Ion Ratio Lower Upper
 43 100
 61 13.7 11.5 17.3
 70 11.1 9.2 13.8



#38
 Carbon Tetrachloride
 Concen: 4.953 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion: 117 Resp: 20566
 Ion Ratio Lower Upper
 117 100
 119 100.0 75.2 112.8
 121 29.2 25.3 37.9

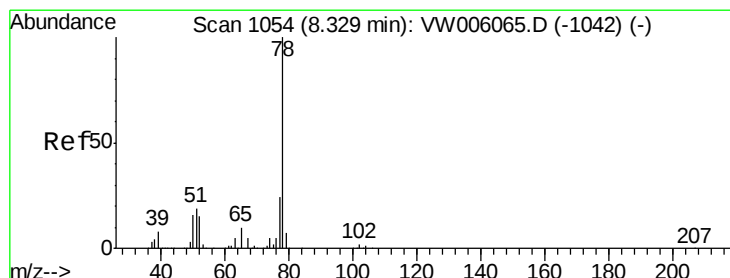
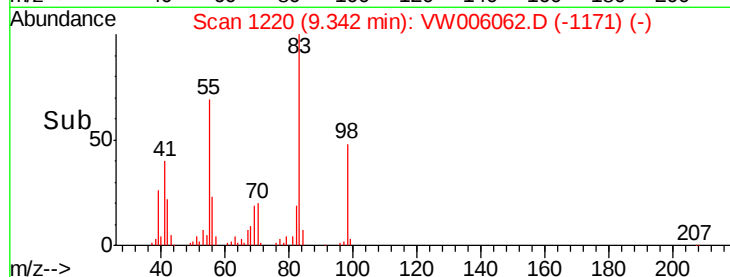
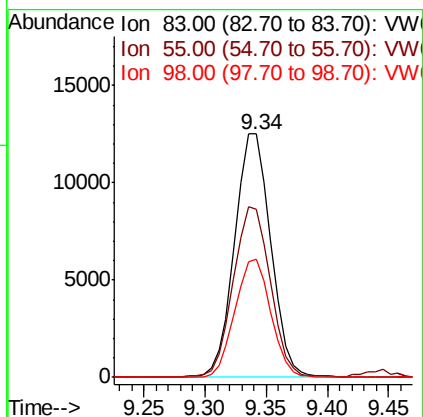
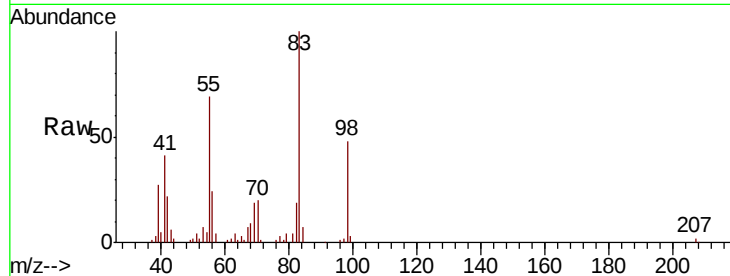




#39
Methylcyclohexane
Concen: 5.072 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

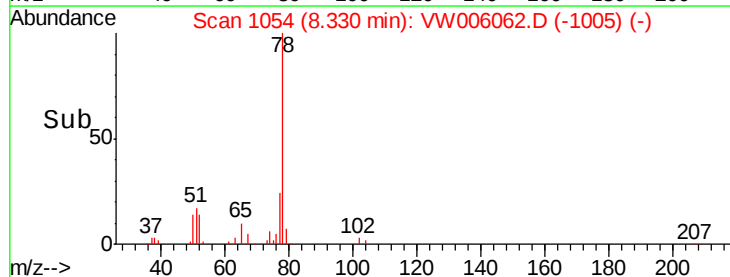
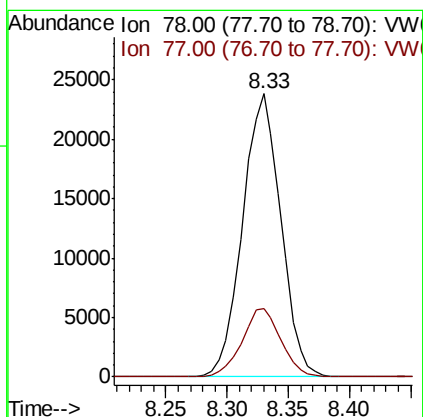
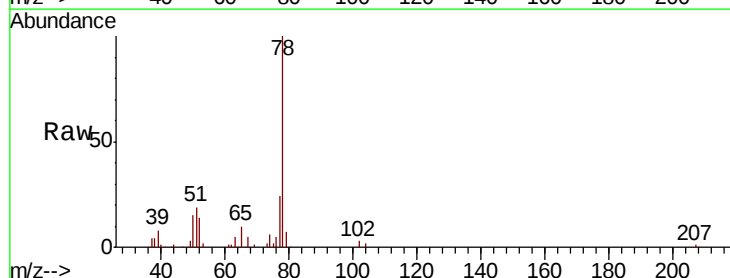
Instrument :
MSVOA_W
ClientSampleId :
BFB

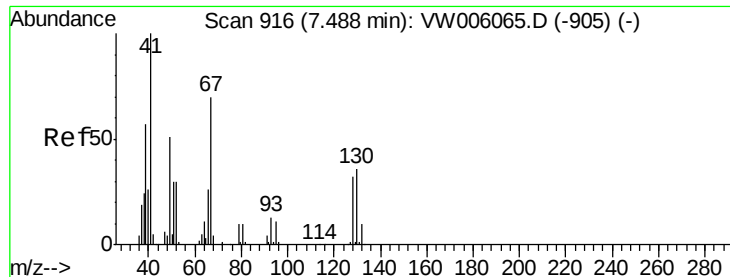
Tgt Ion: 83 Resp: 25730
Ion Ratio Lower Upper
83 100
55 69.2 55.0 82.6
98 48.4 38.6 57.8



#40
Benzene
Concen: 4.908 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion: 78 Resp: 51768
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0

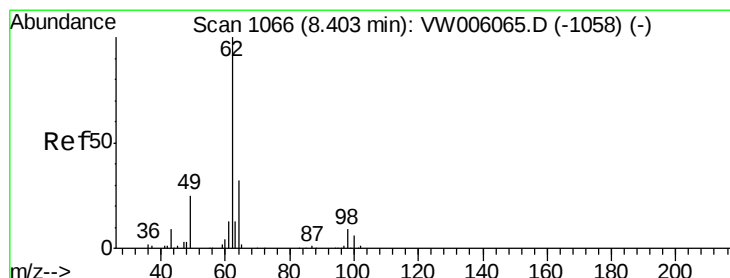
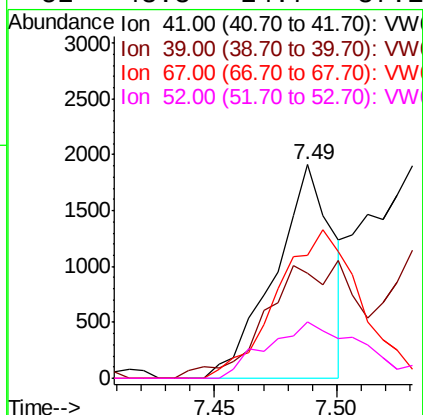
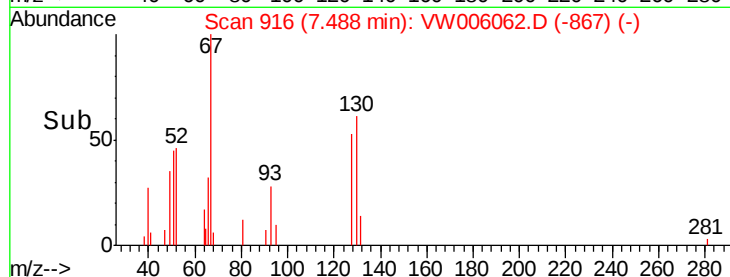
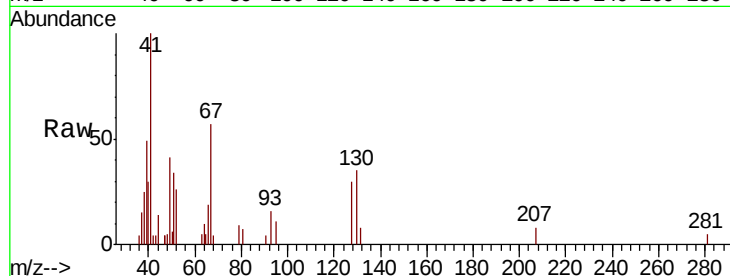




#41
Methacrylonitrile
Concen: 3.114 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

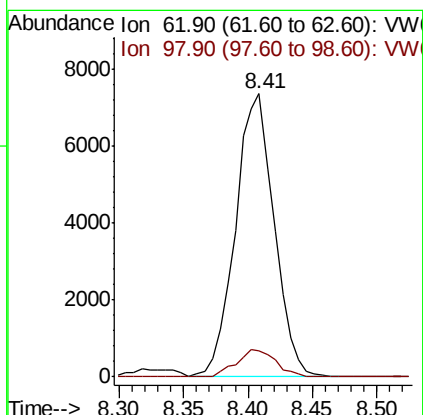
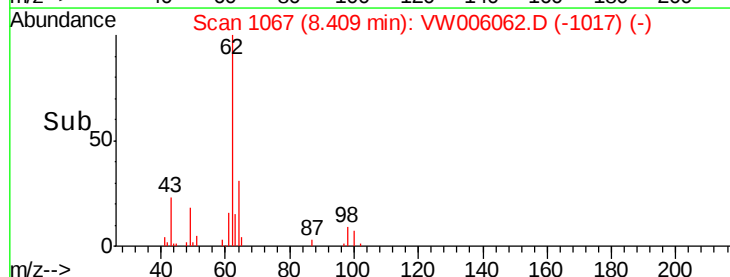
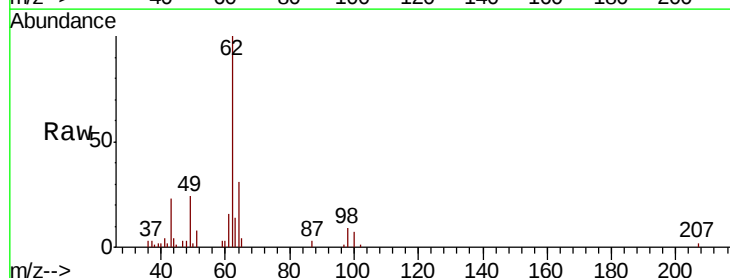
Instrument :
MSVOA_W
ClientSampled :
BFB

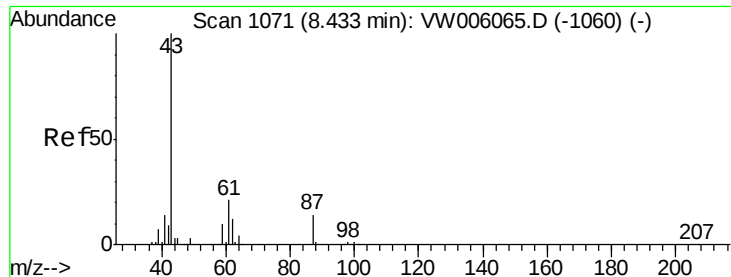
Tgt Ion: 41 Resp: 3145
Ion Ratio Lower Upper
41 100
39 82.2 46.2 69.4#
67 100.4 57.7 86.5#
52 43.3 24.7 37.1#



#42
1,2-Dichloroethane
Concen: 4.802 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion: 62 Resp: 15296
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.4





#43

Isopropyl Acetate

Concen: 4.169 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

BFB

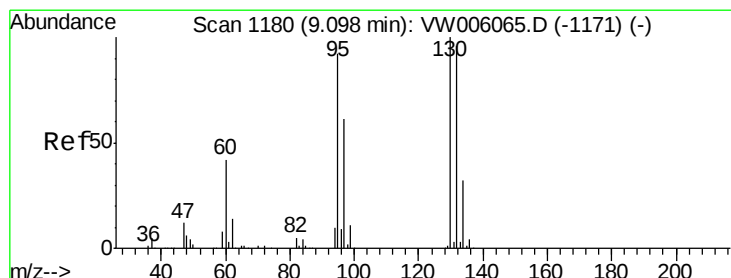
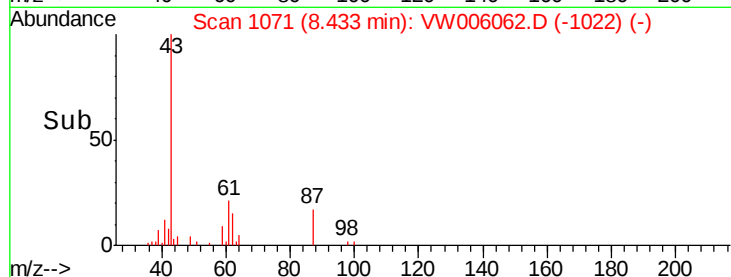
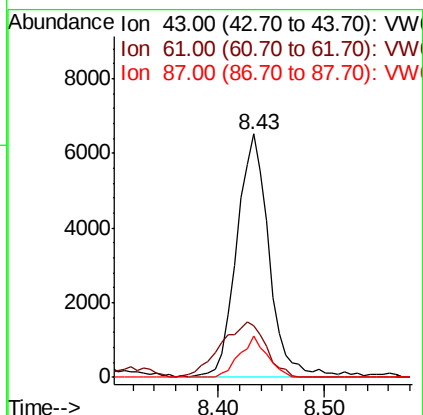
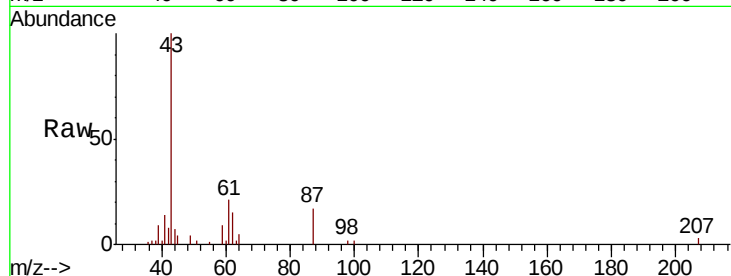
Tgt Ion: 43 Resp: 13902

Ion Ratio Lower Upper

43 100

61 31.4 25.5 38.3

87 14.5 11.7 17.5



#44

Trichloroethene

Concen: 5.157 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006062.D

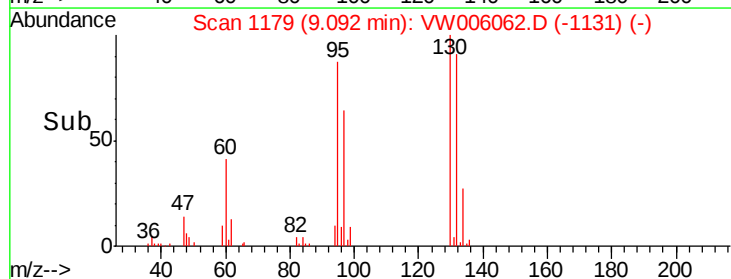
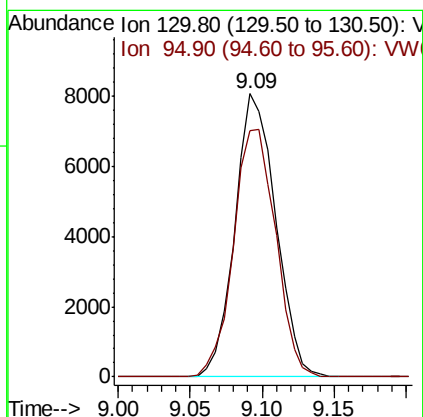
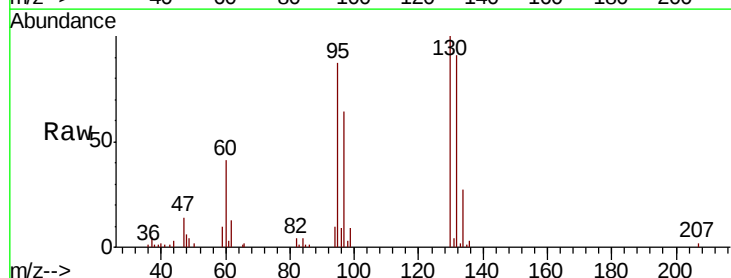
Acq: 15 Oct 2018 15:50

Tgt Ion: 130 Resp: 15879

Ion Ratio Lower Upper

130 100

95 87.2 0.0 183.2

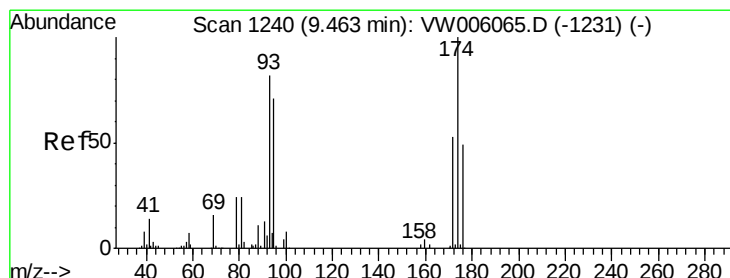
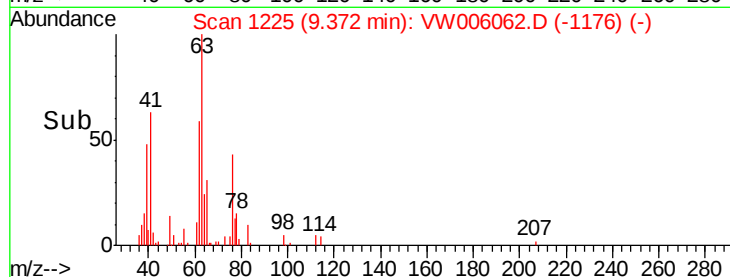
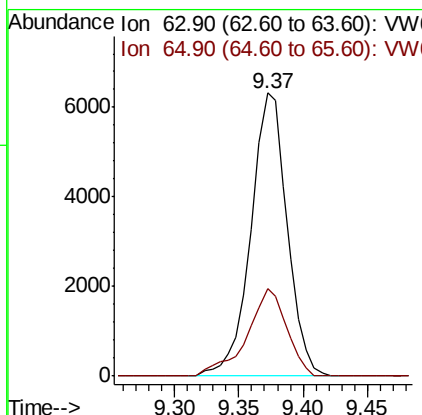
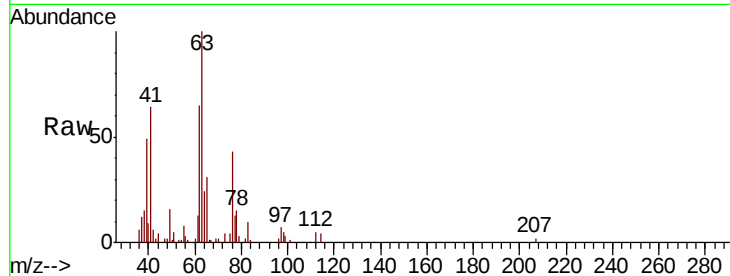




#45
 1,2-Dichloropropane
 Concen: 4.679 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

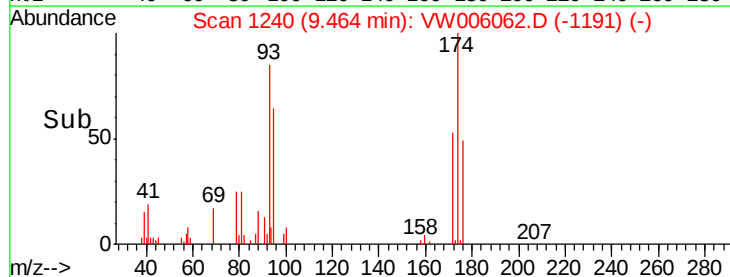
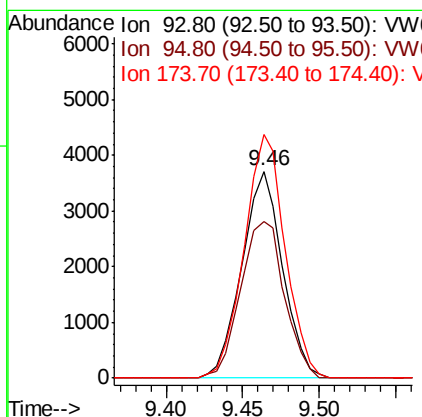
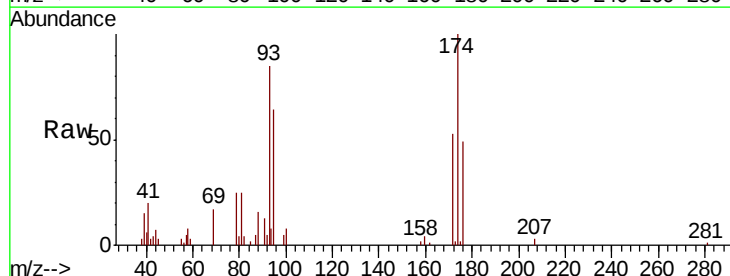
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion: 63 Resp: 12295
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.4 38.0



#46
 Dibromomethane
 Concen: 4.716 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion: 93 Resp: 6853
 Ion Ratio Lower Upper
 93 100
 95 81.5 67.7 101.5
 174 118.5 93.7 140.5





#47

Bromodichloromethane

Concen: 4.474 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampled :

BFB

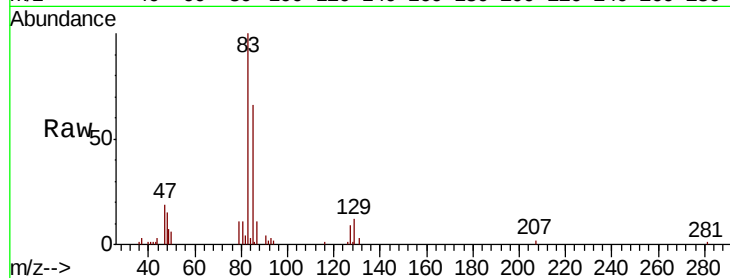
Tgt Ion: 83 Resp: 16303

Ion Ratio Lower Upper

83 100

85 66.3 51.8 77.8

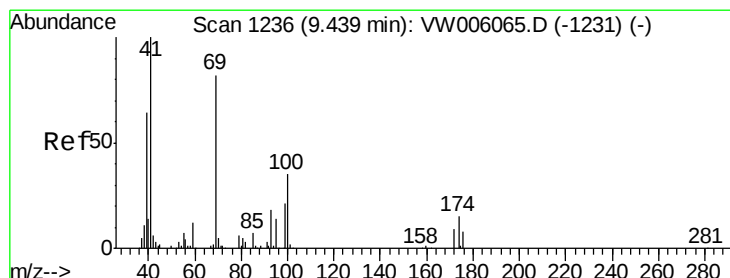
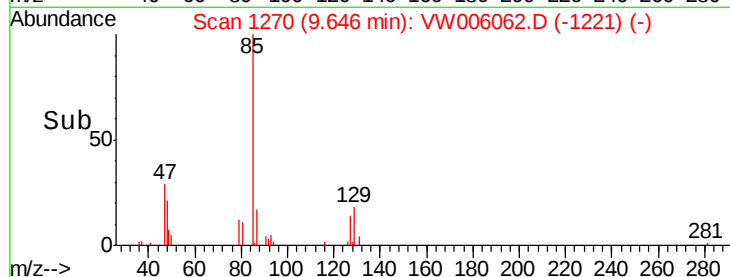
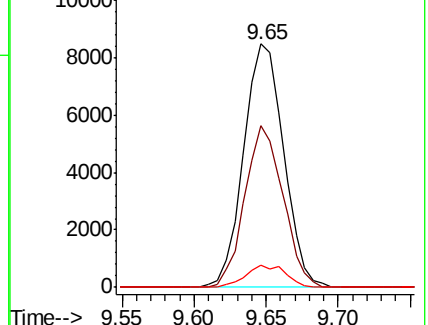
127 9.4 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 4.053 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

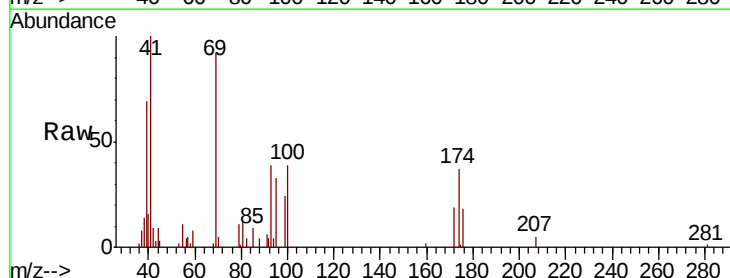
Tgt Ion: 41 Resp: 6455

Ion Ratio Lower Upper

41 100

69 93.1 71.8 107.8

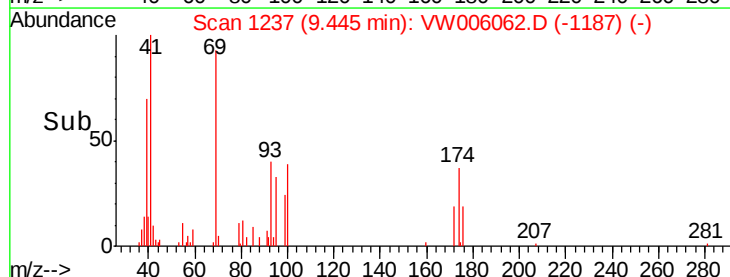
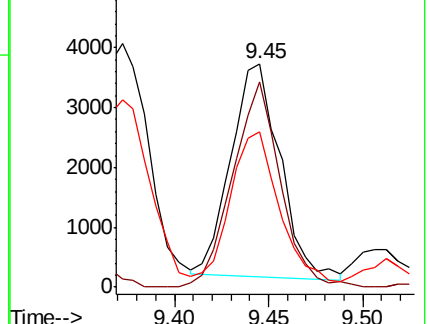
39 68.9 52.5 78.7

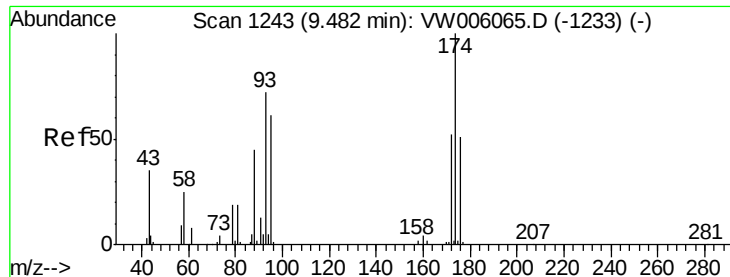


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

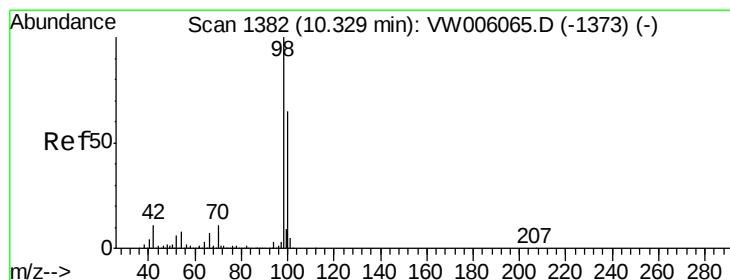
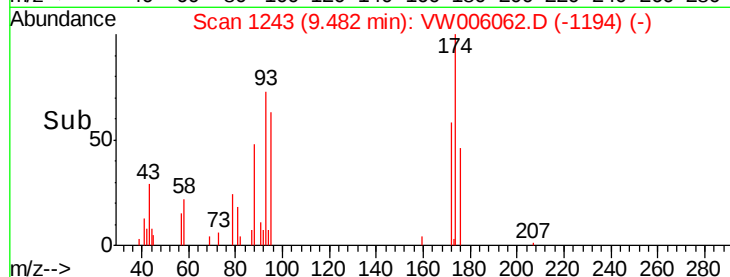
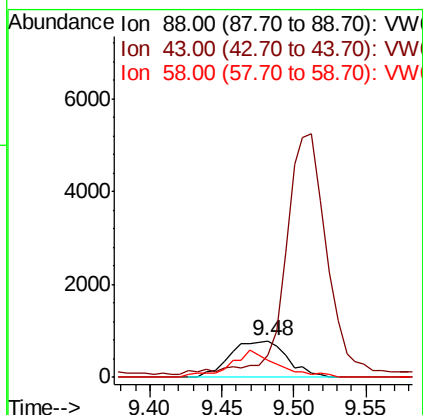
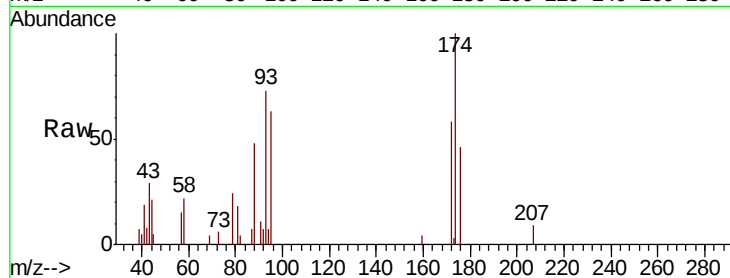




#49
1,4-Dioxane
Concen: 97.438 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

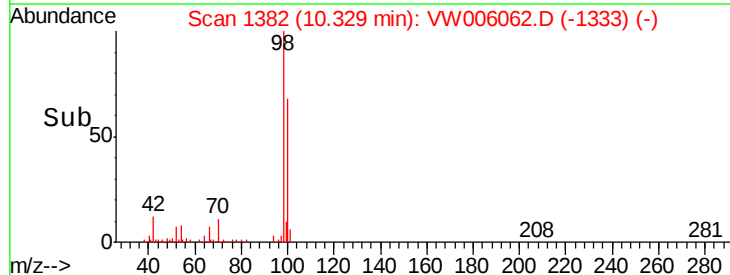
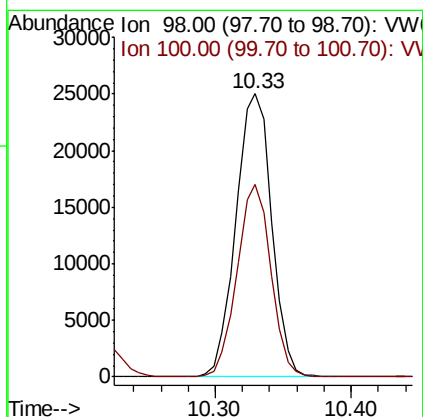
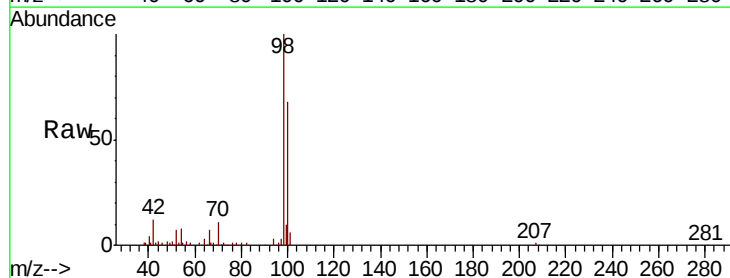
Instrument :
MSVOA_W
ClientSampleId :
BFB

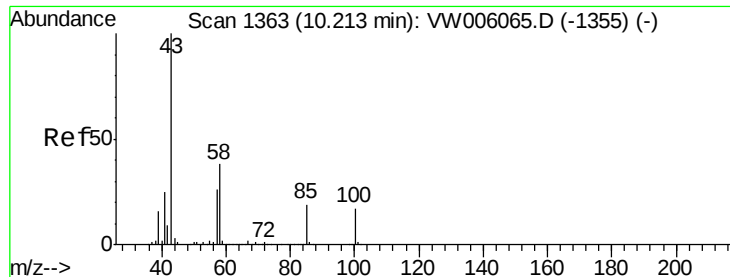
Tgt Ion: 88 Resp: 2162
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 60.5 51.2 76.8



#50
Toluene-d8
Concen: 4.660 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion: 98 Resp: 45881
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4

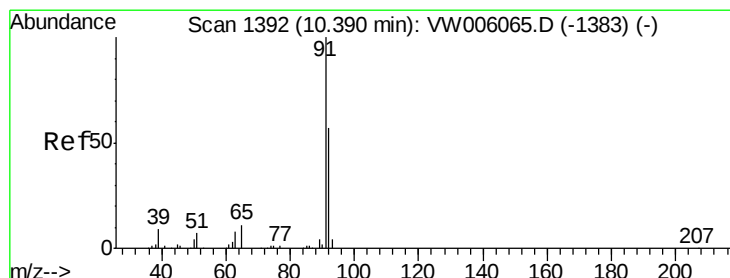
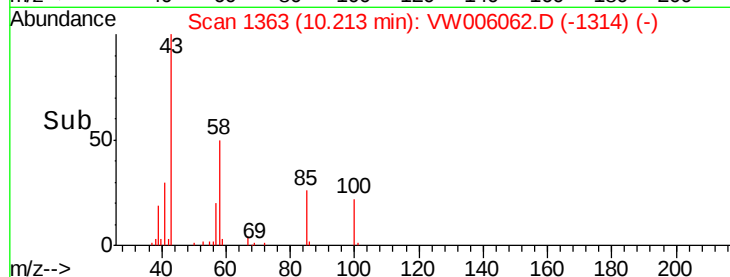
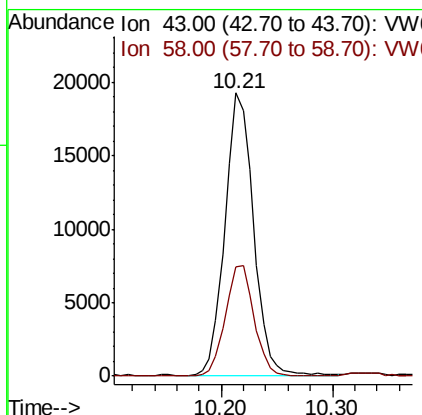
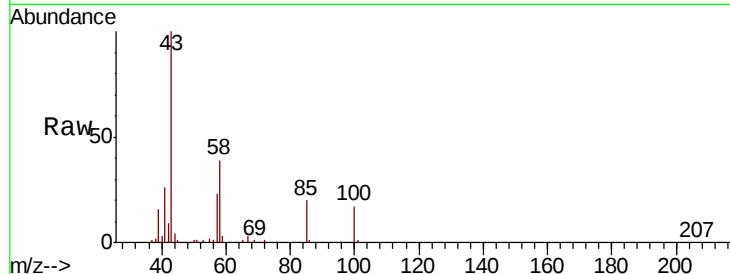




#51
 4-Methyl-2-Pentanone
 Concen: 21.221 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

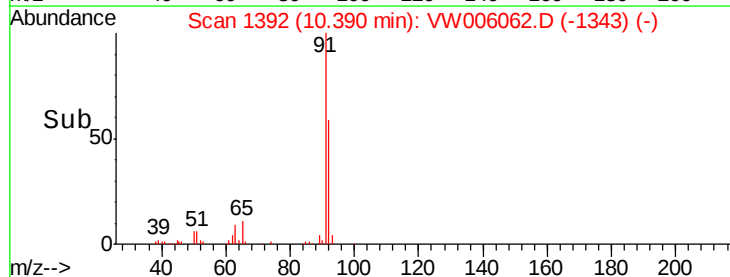
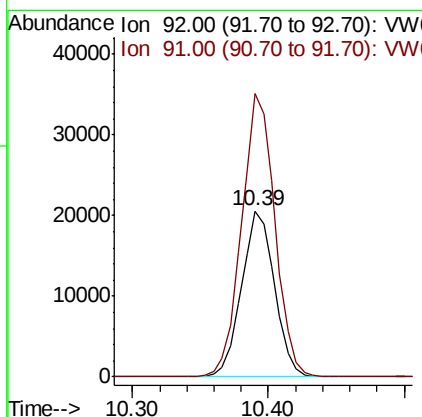
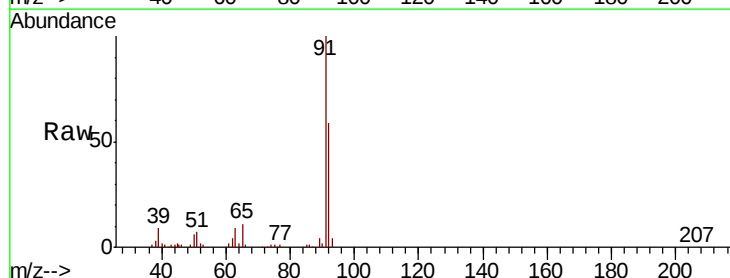
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

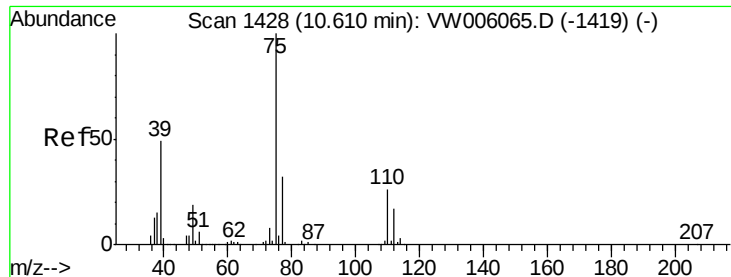
Tgt Ion: 43 Resp: 34619
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.5 47.3



#52
 Toluene
 Concen: 4.994 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion: 92 Resp: 34740
 Ion Ratio Lower Upper
 92 100
 91 172.6 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 4.146 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampled :

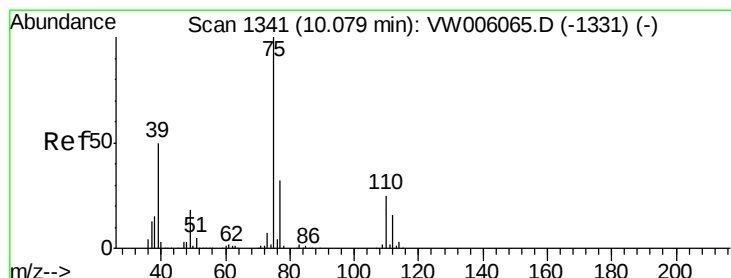
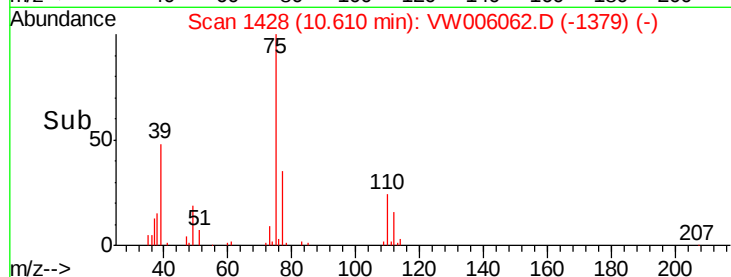
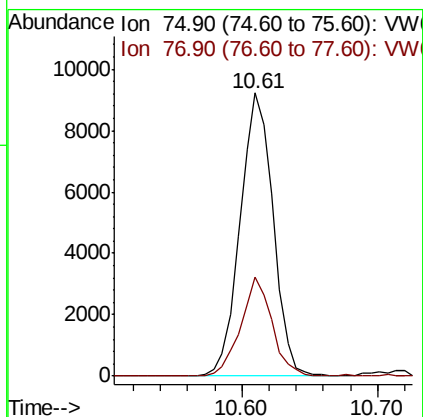
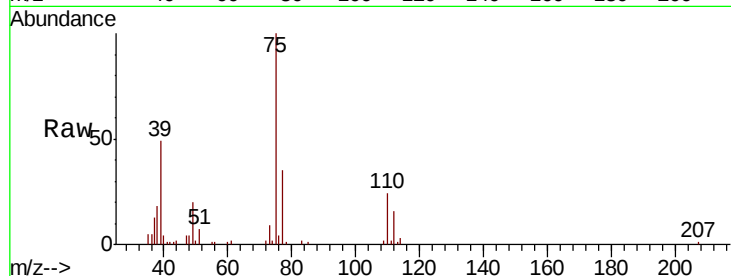
BFB

Tgt Ion: 75 Resp: 15655

Ion Ratio Lower Upper

75 100

77 34.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 4.303 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

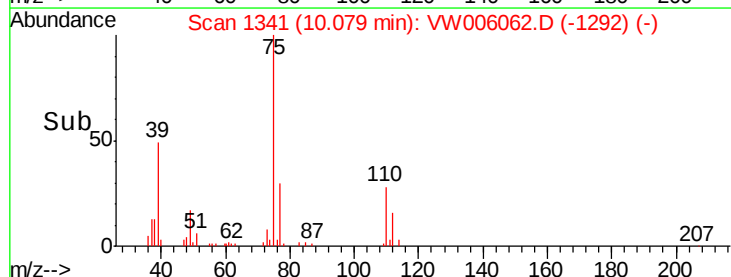
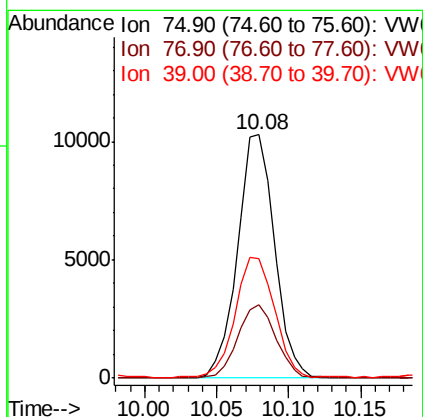
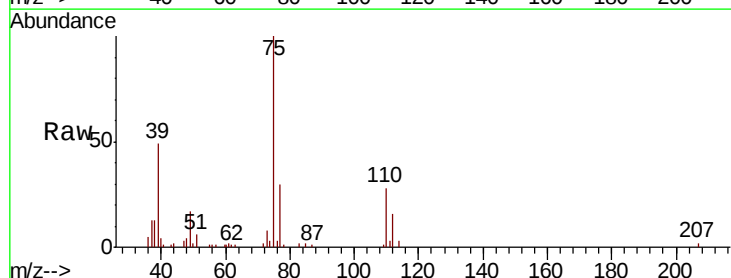
Tgt Ion: 75 Resp: 18336

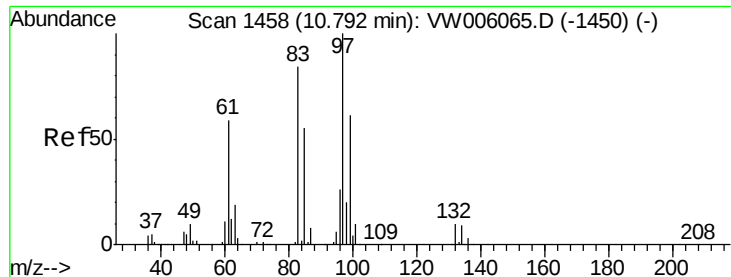
Ion Ratio Lower Upper

75 100

77 30.2 25.2 37.8

39 48.3 39.9 59.9

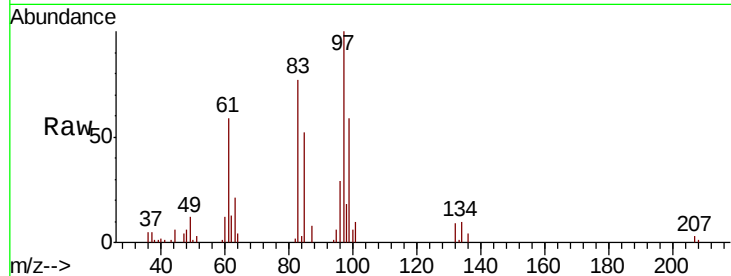




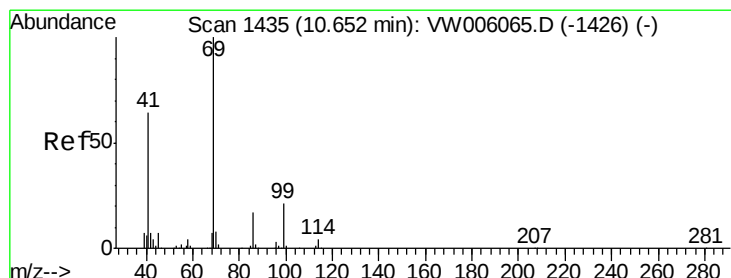
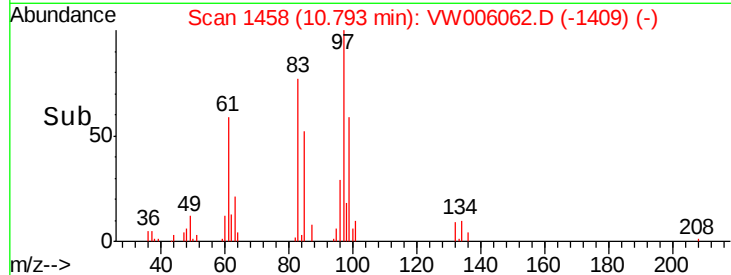
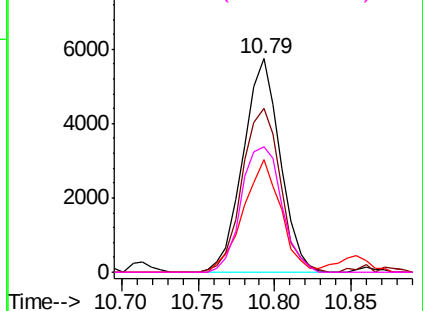
#55
 1,1,2-Trichloroethane
 Concen: 4.800 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:	97	Resp:	9688
Ion	Ratio	Lower	Upper
97	100		
83	76.8	67.2	100.8
85	52.5	43.7	65.5
99	58.8	48.5	72.7

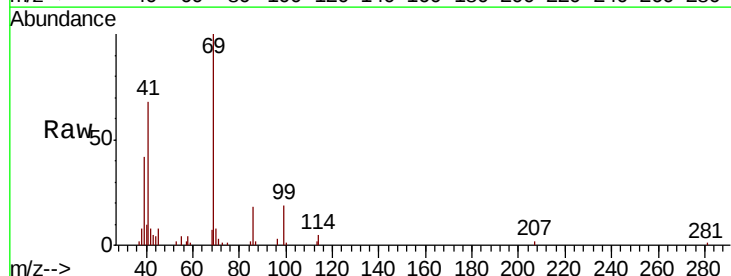


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

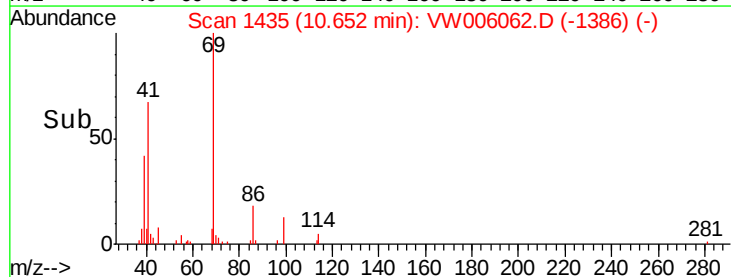
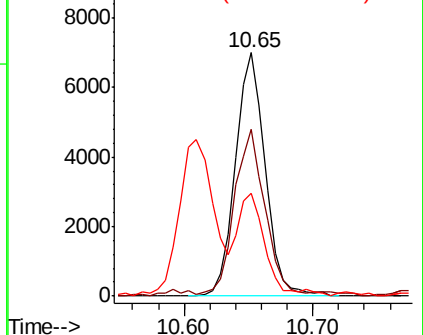


#56
 Ethyl methacrylate
 Concen: 4.182 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion:	69	Resp:	11216
Ion	Ratio	Lower	Upper
69	100		
41	69.2	52.8	79.2
39	39.8	30.6	45.8



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

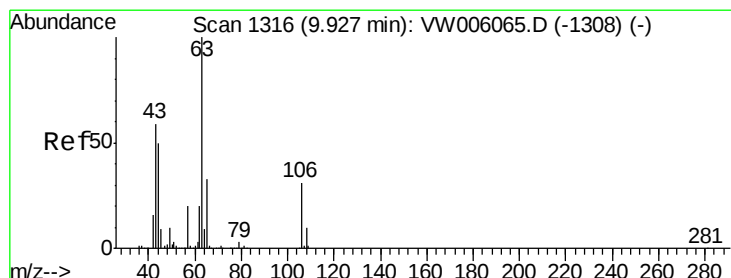
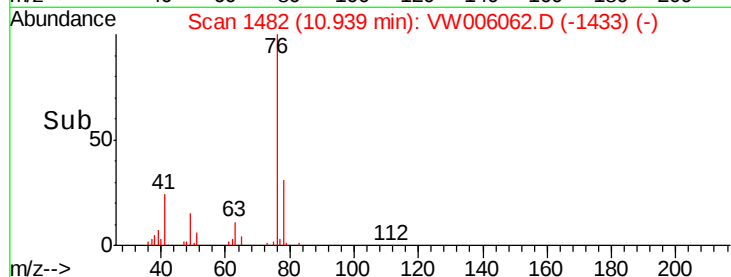
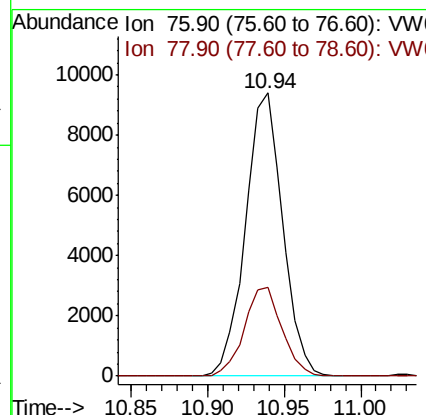
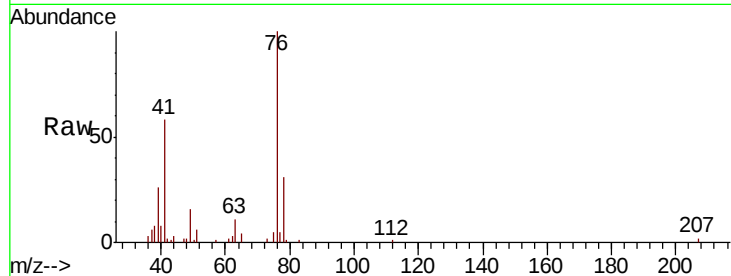




#57
 1,3-Dichloropropane
 Concen: 4.687 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

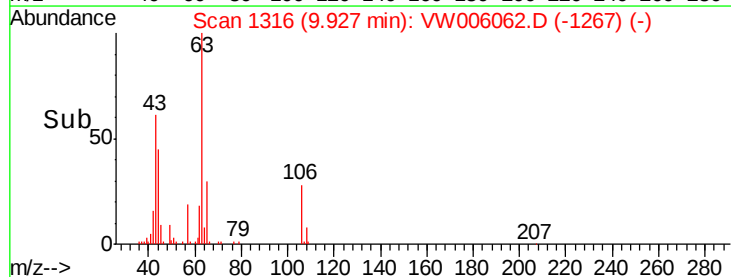
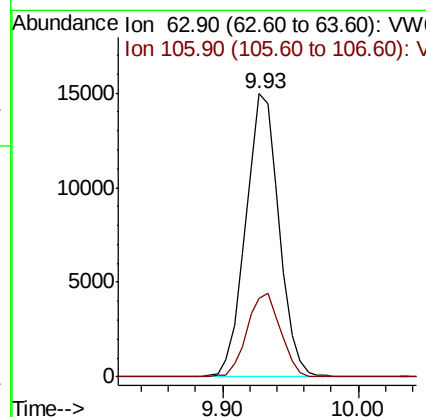
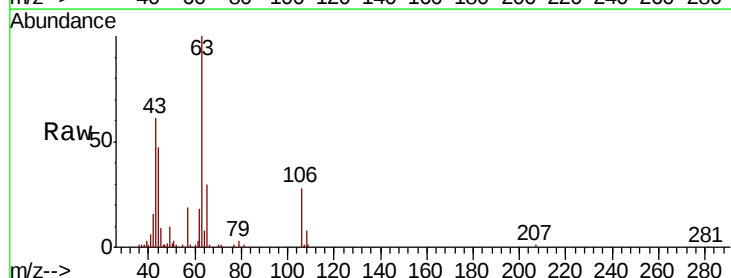
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

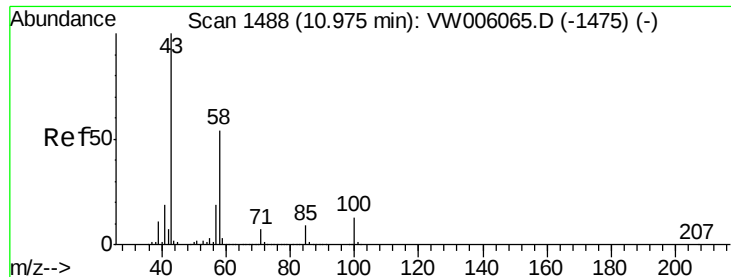
Tgt Ion: 76 Resp: 15860
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.695 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion: 63 Resp: 25636
 Ion Ratio Lower Upper
 63 100
 106 29.7 24.5 36.7

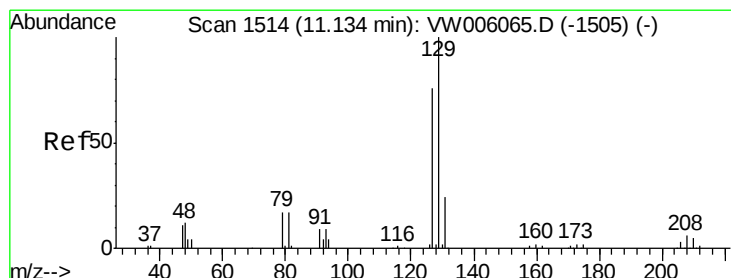
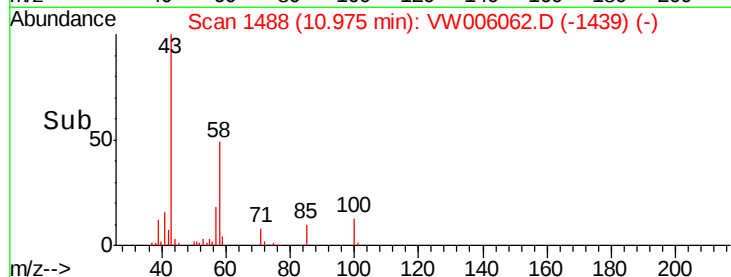
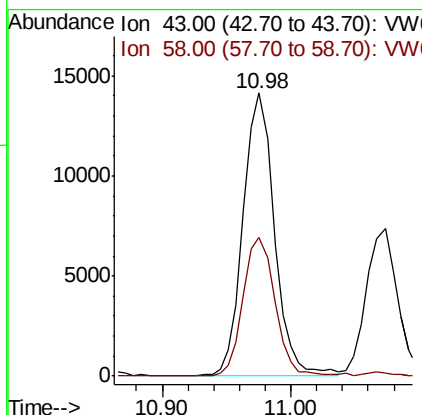
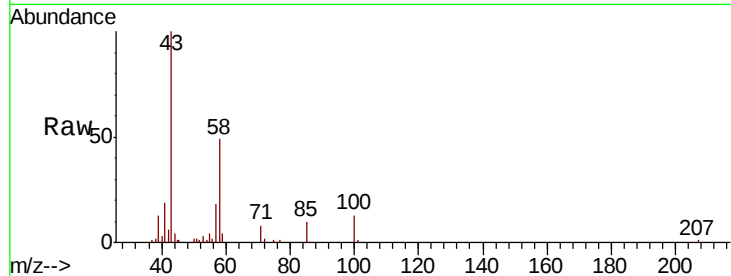




#59
2-Hexanone
Concen: 20.562 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

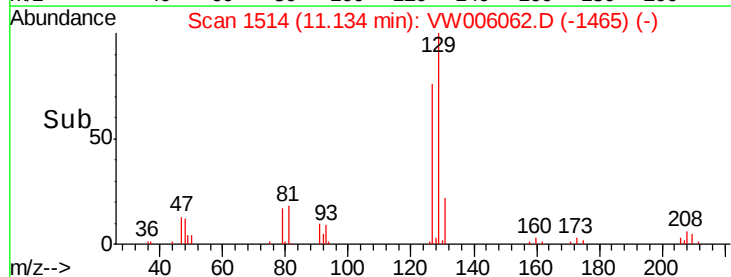
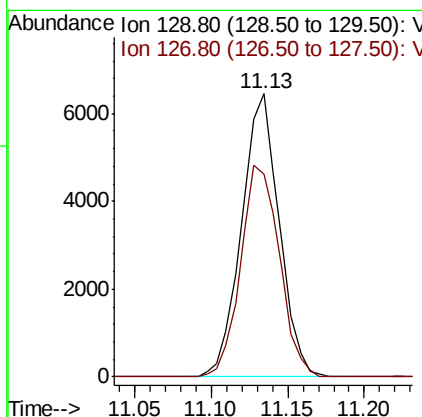
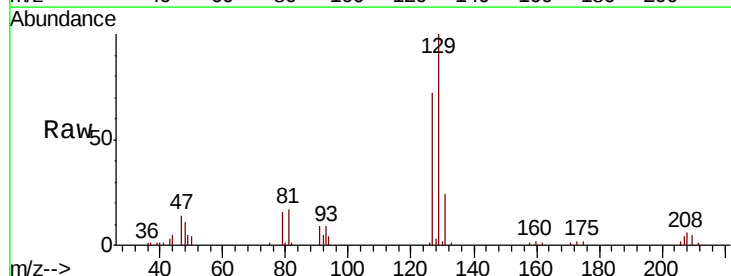
Instrument :
MSVOA_W
ClientSampleId :
BFB

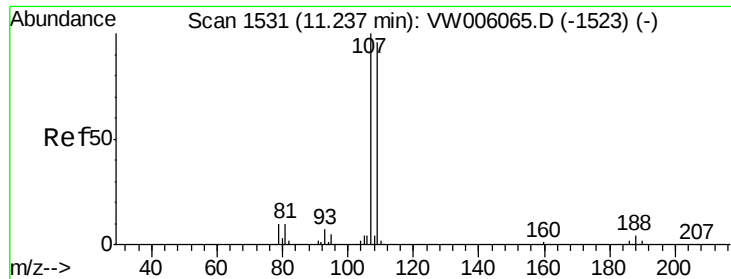
Tgt Ion: 43 Resp: 23922
Ion Ratio Lower Upper
43 100
58 49.5 26.9 80.6



#60
Dibromochloromethane
Concen: 4.240 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion: 129 Resp: 11000
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.7





#61

1,2-Dibromoethane

Concen: 4.657 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

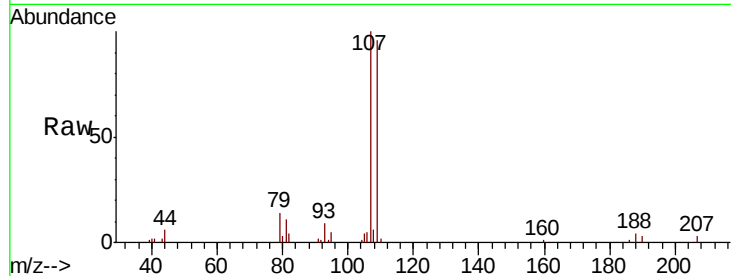
BFB

Tgt Ion: 107 Resp: 9400

Ion Ratio Lower Upper

107 100

109 94.5 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

6000

5000

4000

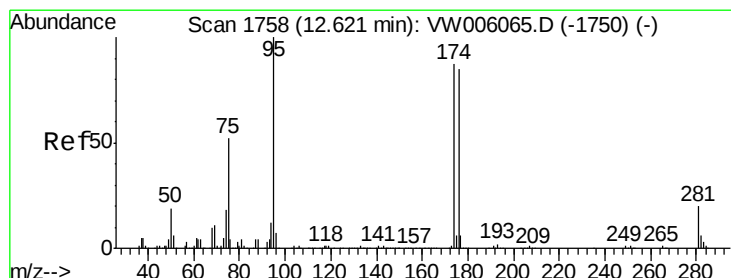
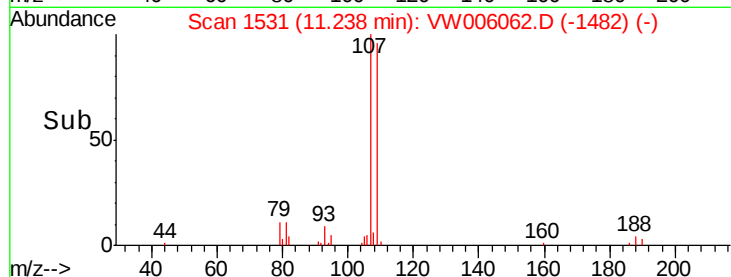
3000

2000

1000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 4.476 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

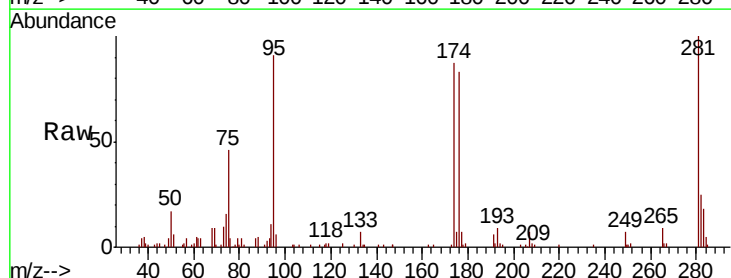
Tgt Ion: 95 Resp: 16754

Ion Ratio Lower Upper

95 100

174 96.0 0.0 186.0

176 96.6 0.0 181.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

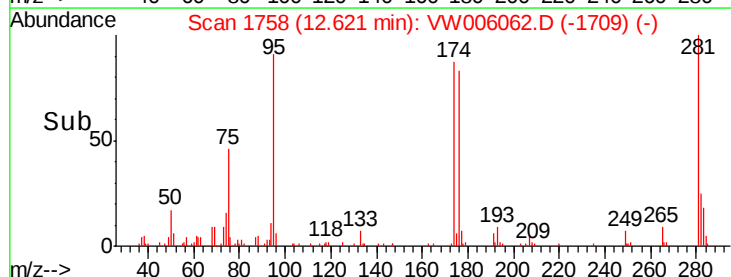
Ion 175.80 (175.50 to 176.50): V

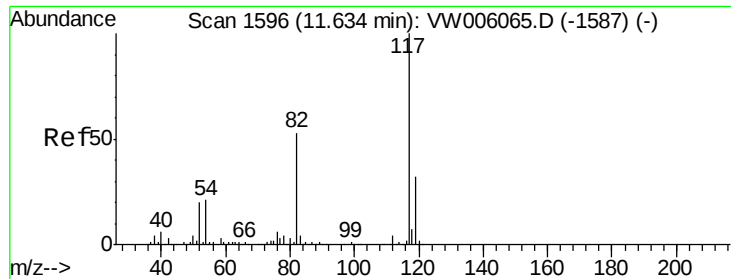
10000

5000

0

Time--> 12.55 12.60 12.65 12.70

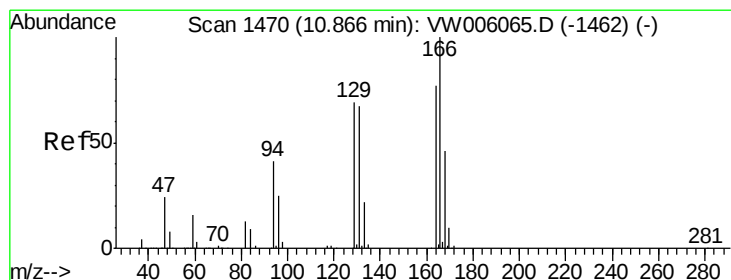
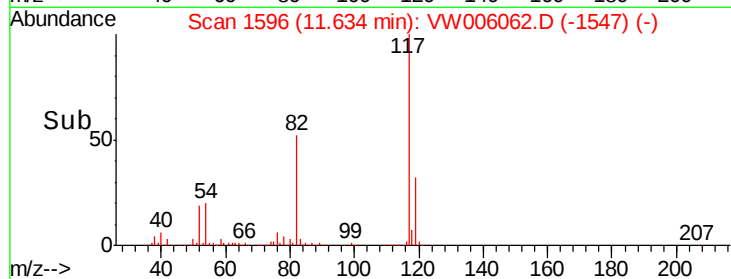
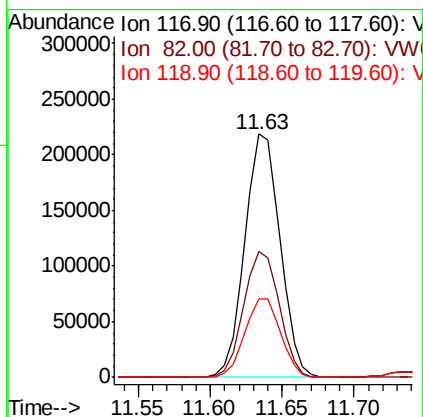
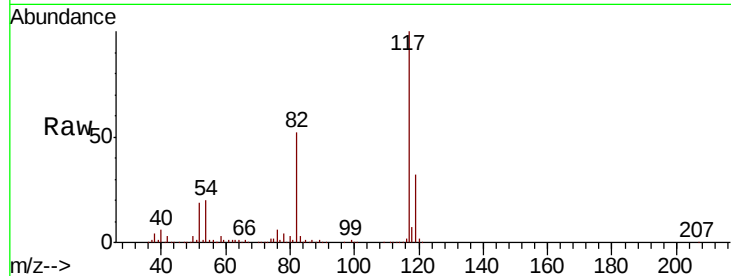




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

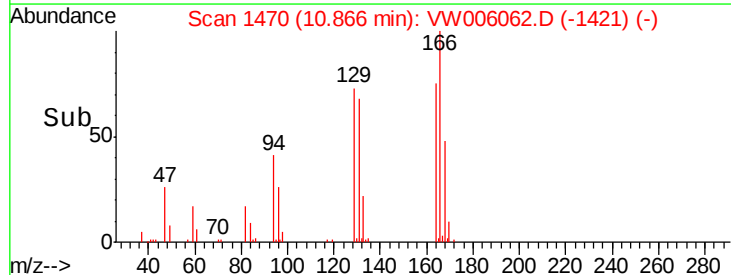
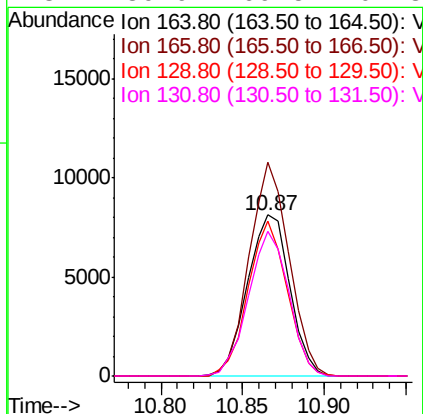
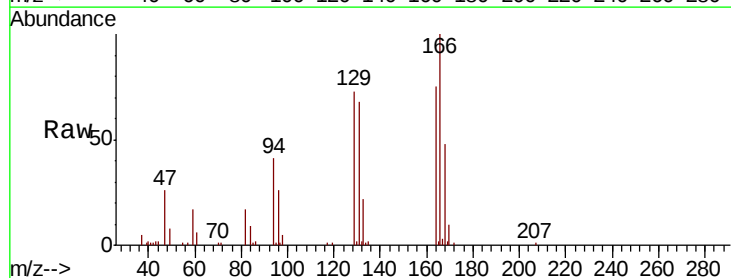
Instrument :
MSVOA_W
ClientSampled :
BFB

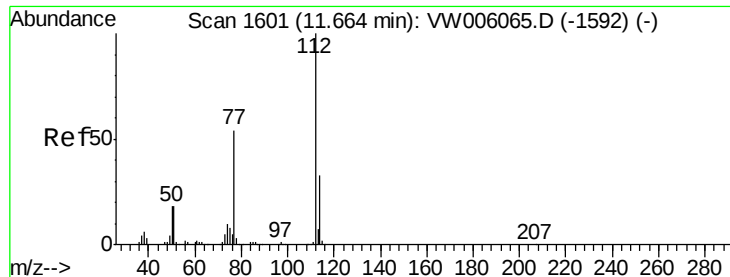
Tgt Ion:117 Resp: 369825
Ion Ratio Lower Upper
117 100
82 51.9 42.1 63.1
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 5.321 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion:164 Resp: 14631
Ion Ratio Lower Upper
164 100
166 132.5 103.4 155.0
129 96.2 71.8 107.8
131 89.9 69.5 104.3





#65

Chlorobenzene

Concen: 5.132 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

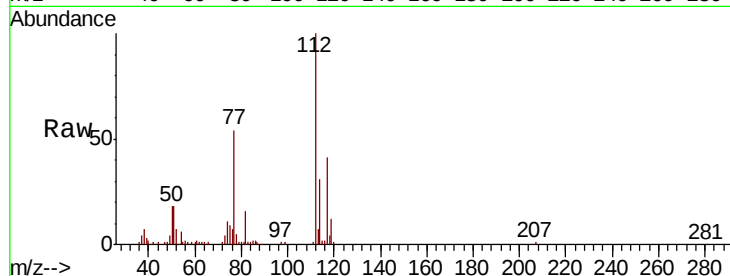
BFB

Tgt Ion:112 Resp: 40270

Ion Ratio Lower Upper

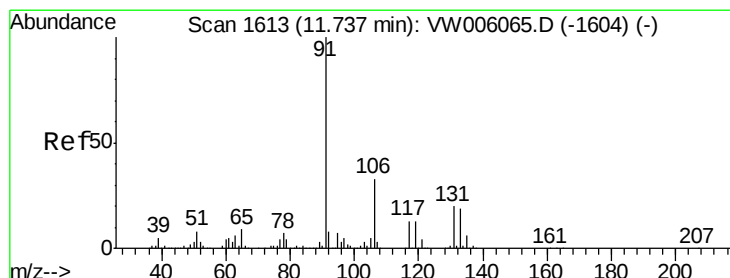
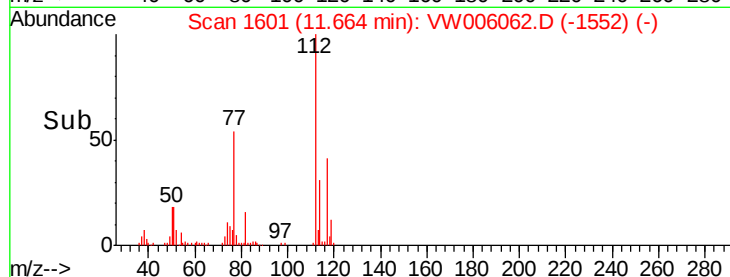
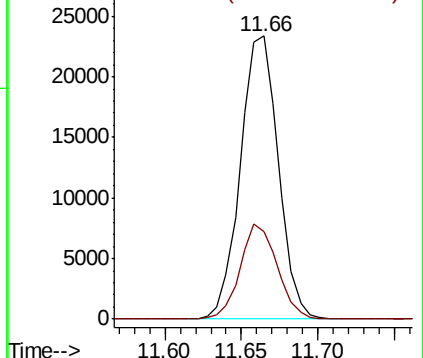
112 100

114 30.8 26.2 39.2



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: 4.629 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

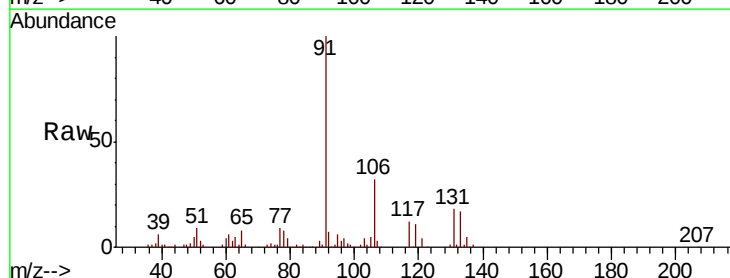
Tgt Ion:131 Resp: 13315

Ion Ratio Lower Upper

131 100

133 97.6 48.1 144.3

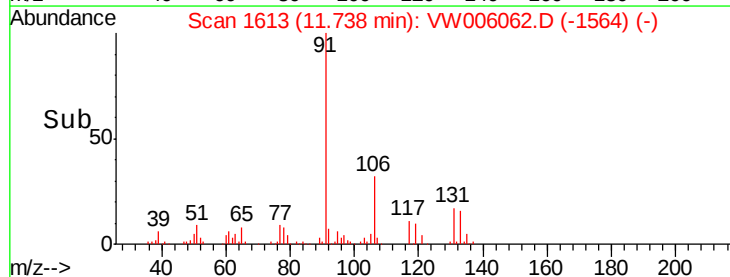
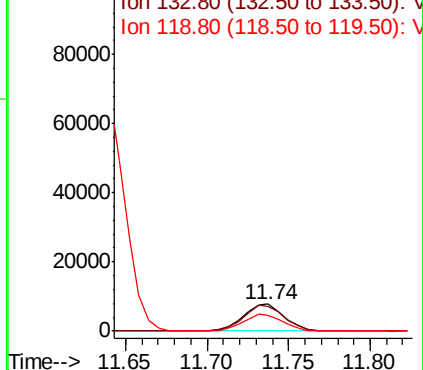
119 64.0 31.6 94.7

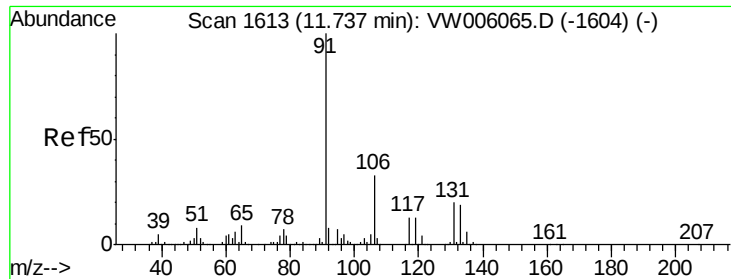


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

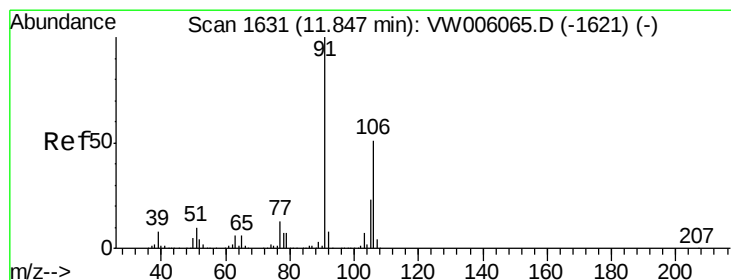
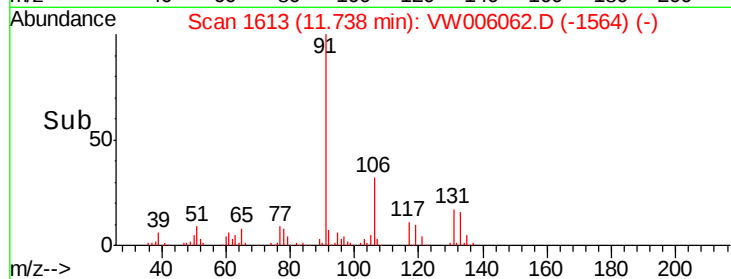
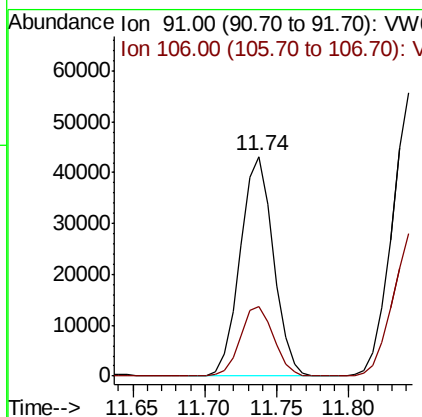
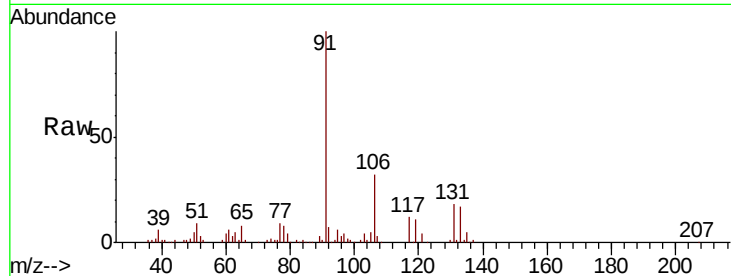




#67
Ethyl Benzene
Concen: 4.996 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

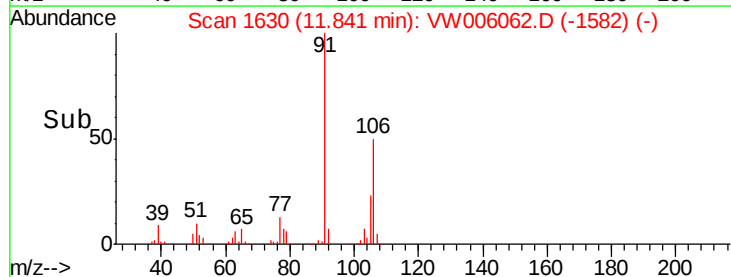
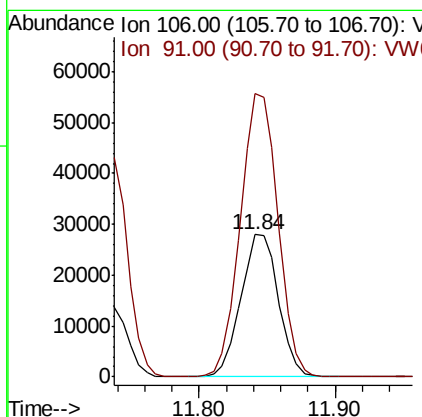
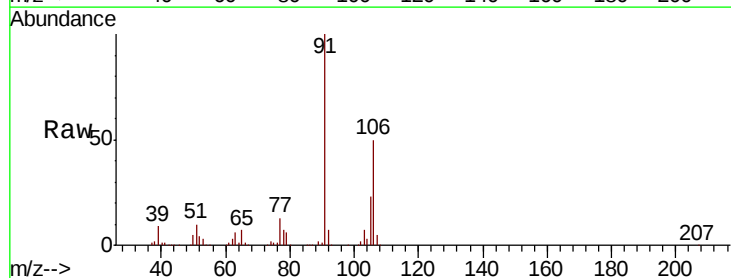
Instrument :
MSVOA_W
ClientSampled :
BFB

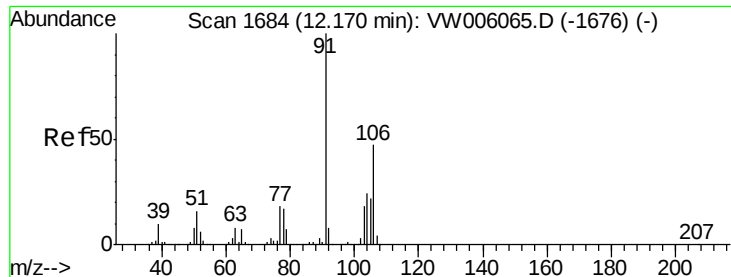
Tgt Ion: 91 Resp: 68999
Ion Ratio Lower Upper
91 100
106 31.9 26.1 39.1



#68
m/p-Xylenes
Concen: 9.964 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion: 106 Resp: 53934
Ion Ratio Lower Upper
106 100
91 199.5 159.1 238.7

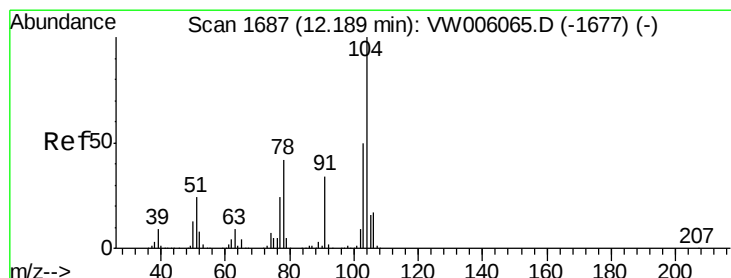
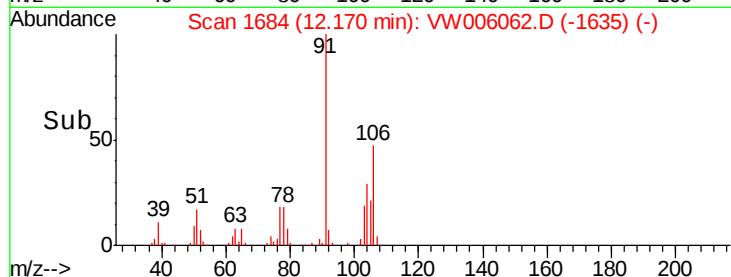
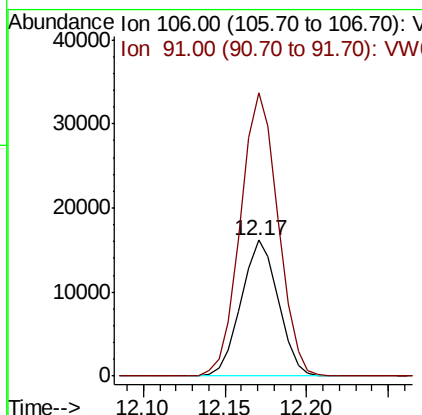
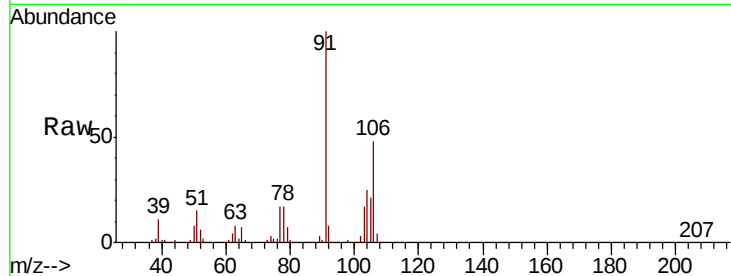




#69
o-Xylene
Concen: 4.953 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

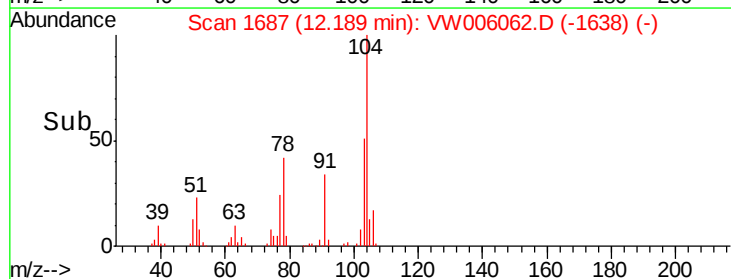
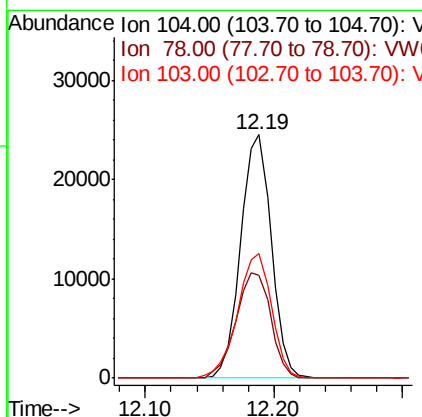
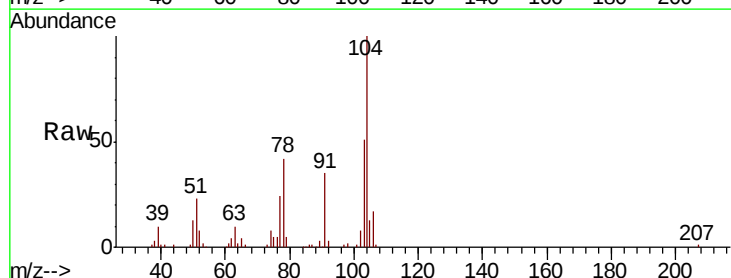
Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion:106 Resp: 25689
Ion Ratio Lower Upper
106 100
91 211.4 105.4 316.1



#70
Styrene
Concen: 4.702 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion:104 Resp: 40380
Ion Ratio Lower Upper
104 100
78 49.1 39.1 58.7
103 56.5 44.3 66.5





#71

Bromoform

Concen: 4.081 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampled :

BFB

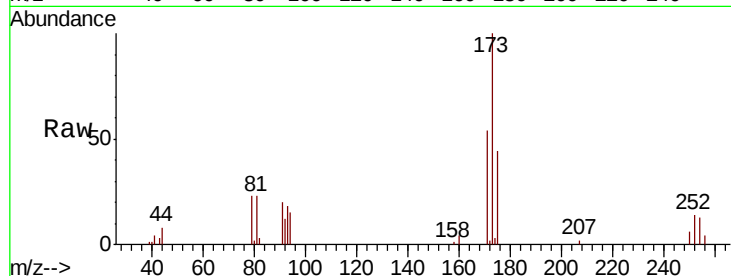
Tgt Ion:173 Resp: 6945

Ion Ratio Lower Upper

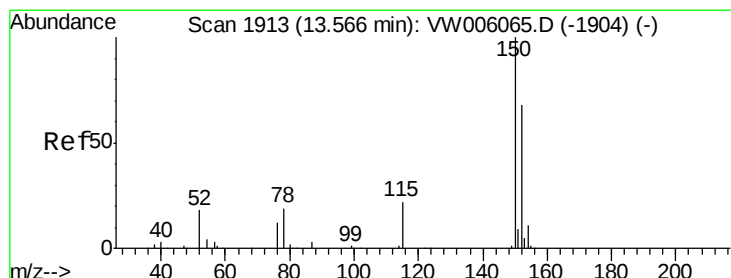
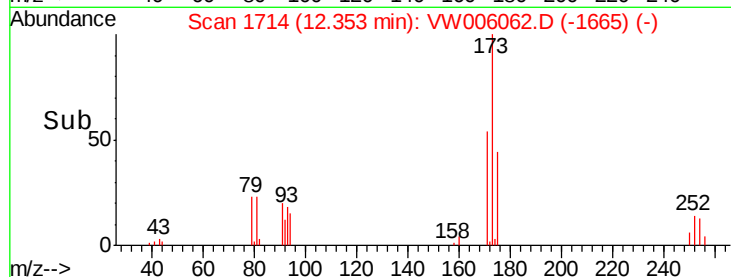
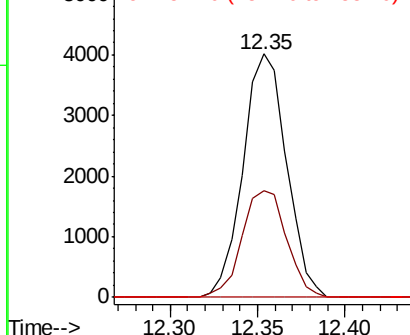
173 100

175 45.0 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

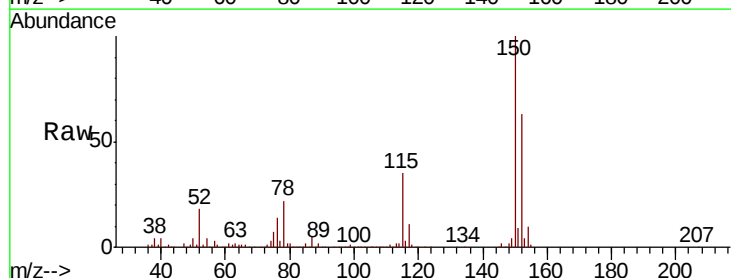
Tgt Ion:152 Resp: 202709

Ion Ratio Lower Upper

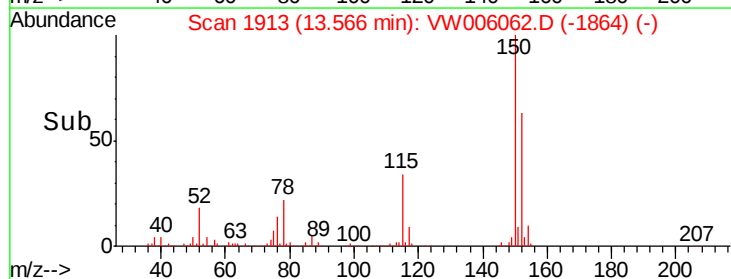
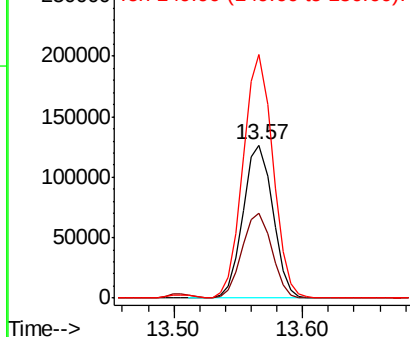
152 100

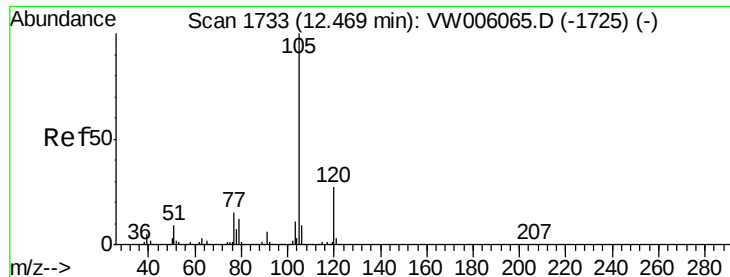
115 55.3 27.8 83.3

150 158.6 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.935 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampled :

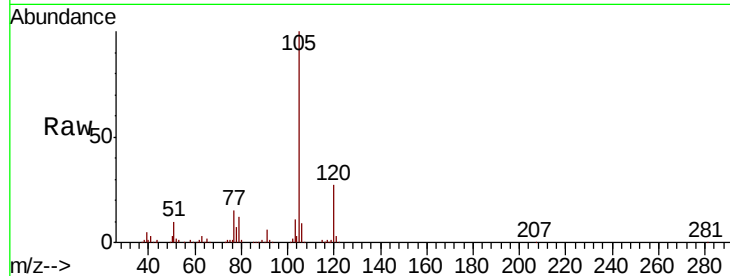
BFB

Tgt Ion: 105 Resp: 72124

Ion Ratio Lower Upper

105 100

120 26.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

50000

40000

30000

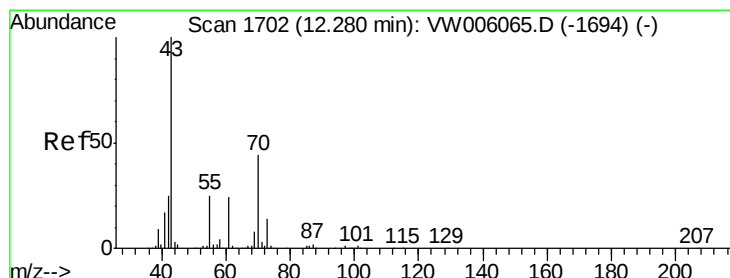
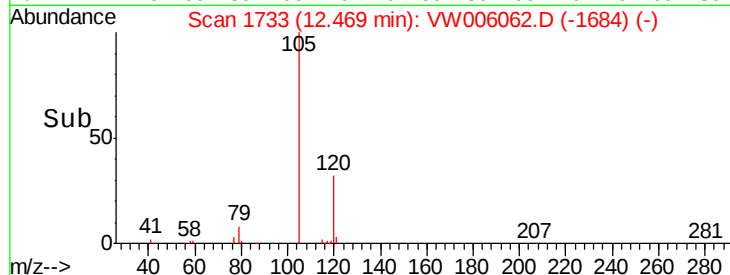
20000

10000

0

Time-->

12.40 12.45 12.50



#74

N-ethyl acetate

Concen: 3.915 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Tgt Ion: 43 Resp: 13251

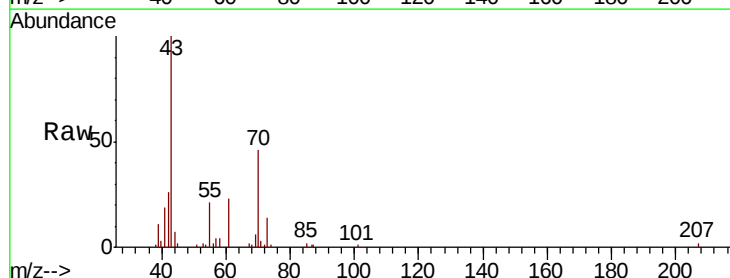
Ion Ratio Lower Upper

43 100

70 41.2 34.2 51.4

55 23.2 19.2 28.8

61 21.7 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12000

10000

8000

6000

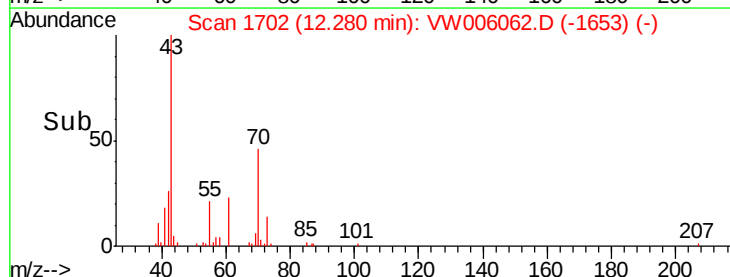
4000

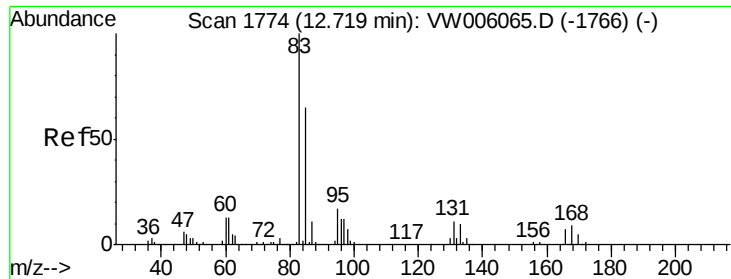
2000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 4.488 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampled :

BFB

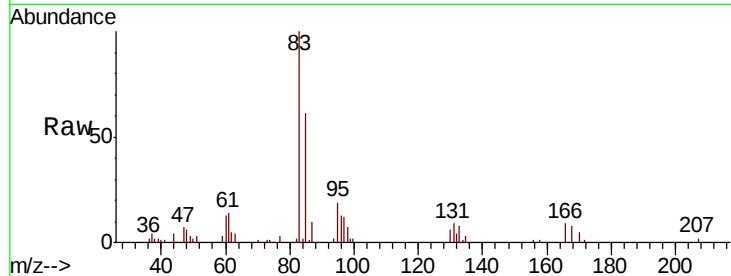
Tgt Ion: 83 Resp: 10684

Ion Ratio Lower Upper

83 100

131 11.2 5.9 17.7

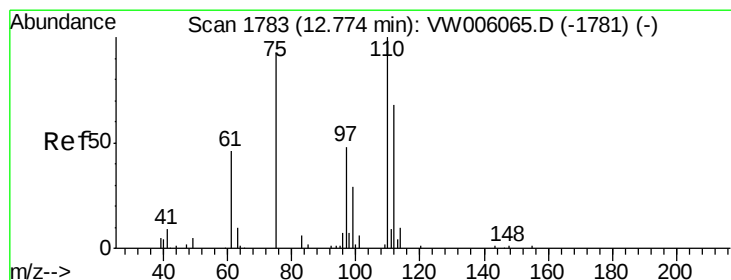
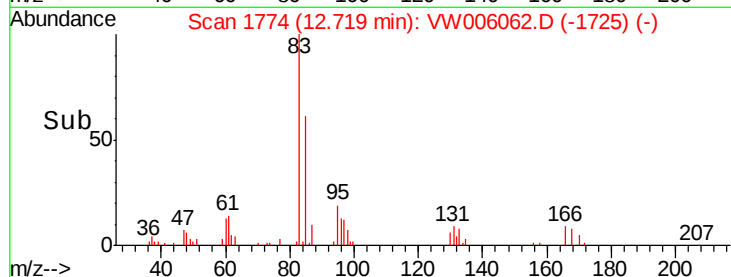
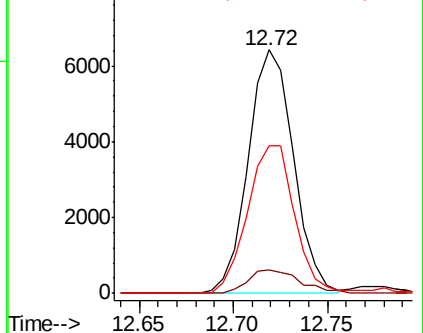
85 63.6 31.9 95.9



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: 7.710 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006062.D

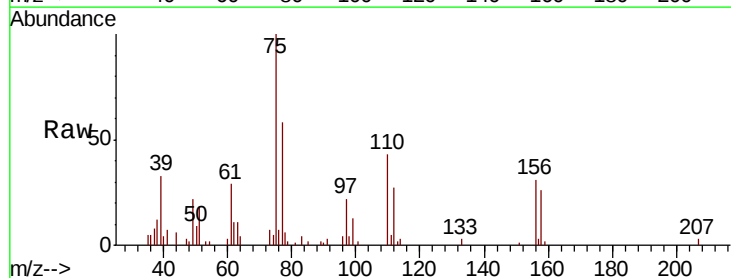
Acq: 15 Oct 2018 15:50

Tgt Ion: 75 Resp: 13468

Ion Ratio Lower Upper

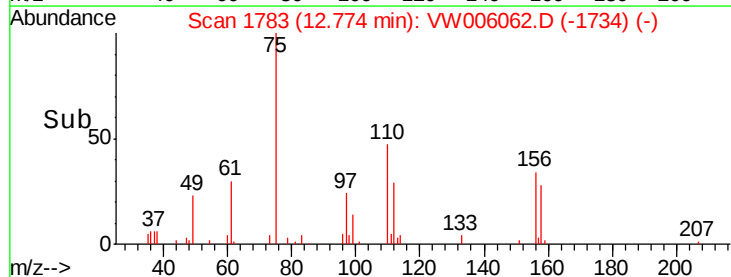
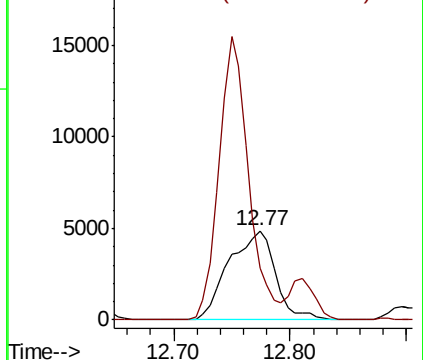
75 100

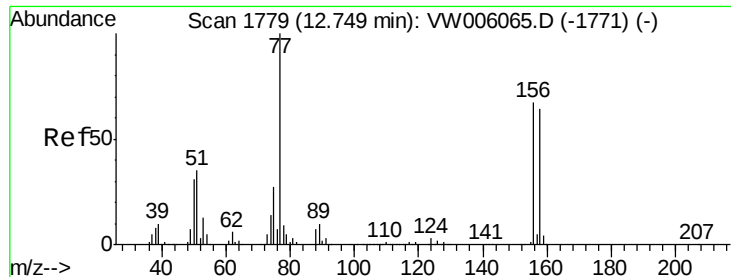
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

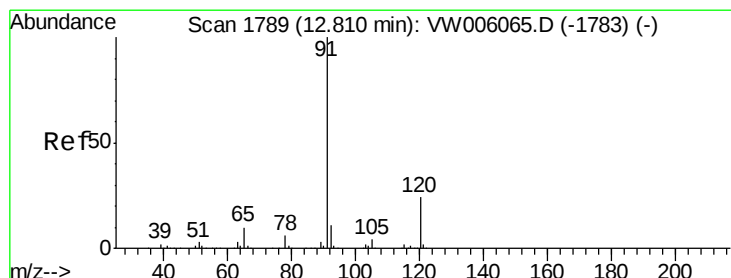
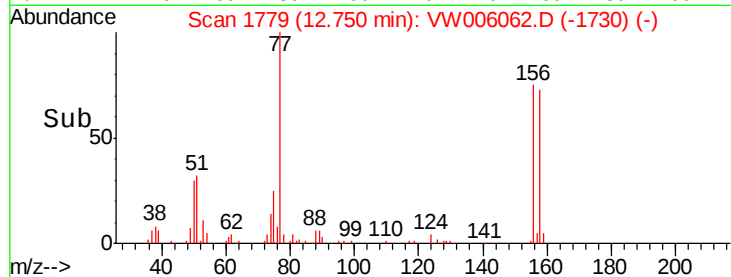
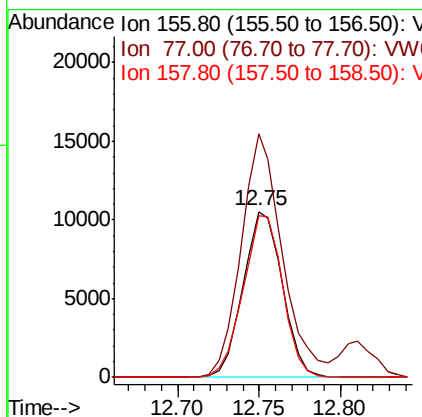
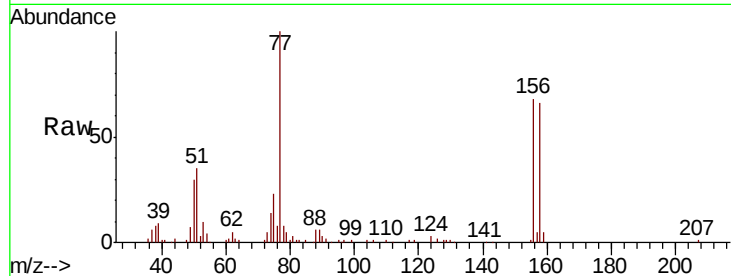




#77
Bromobenzene
Concen: 5.057 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

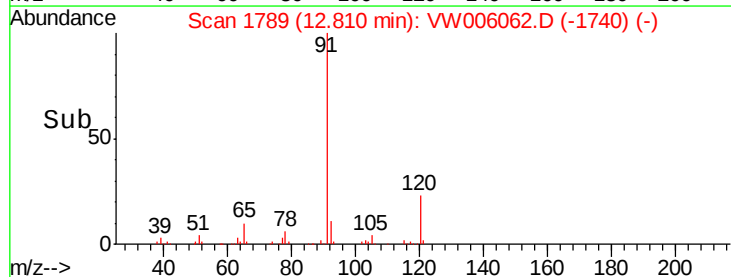
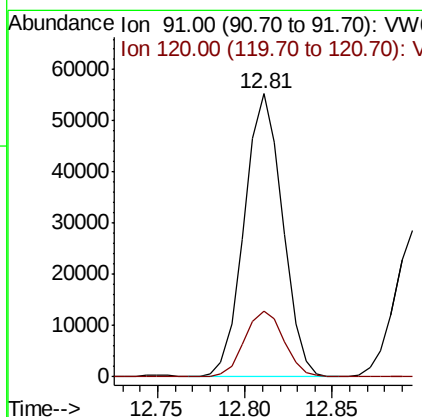
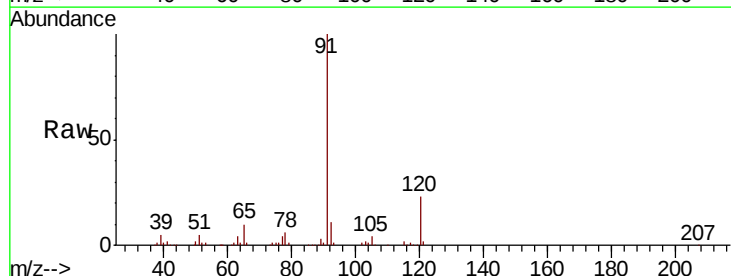
Instrument :
MSVOA_W
ClientSampled :
BFB

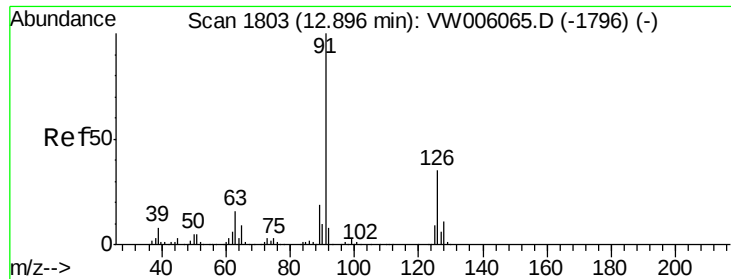
Tgt Ion: 156 Resp: 17610
Ion Ratio Lower Upper
156 100
77 155.1 79.1 237.4
158 98.4 48.5 145.6



#78
n-propylbenzene
Concen: 4.887 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion: 91 Resp: 83943
Ion Ratio Lower Upper
91 100
120 24.1 12.2 36.6

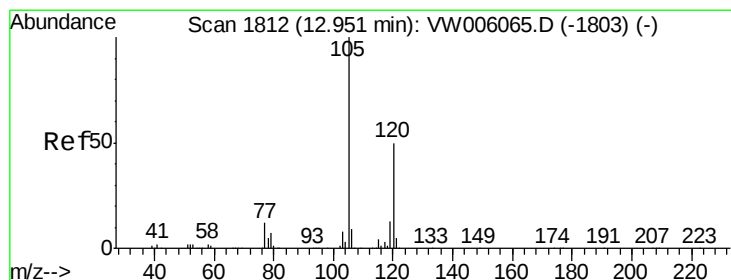
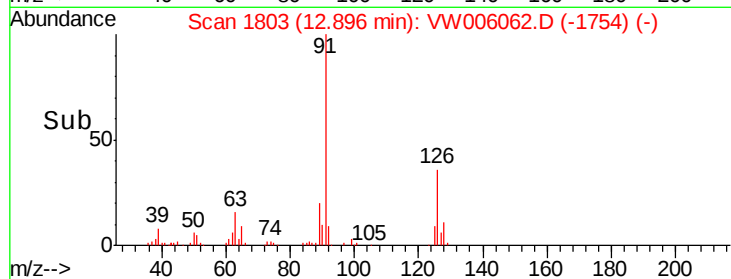
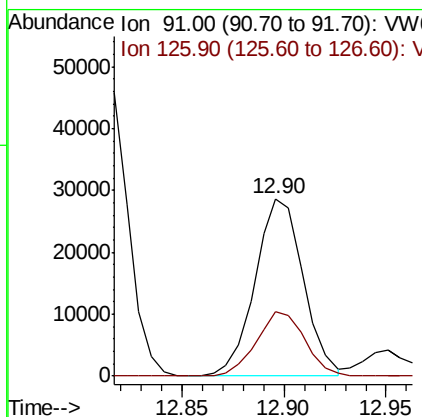
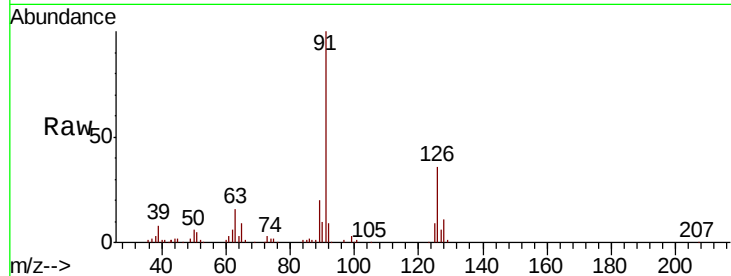




#79
 2-Chlorotoluene
 Concen: 4.842 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

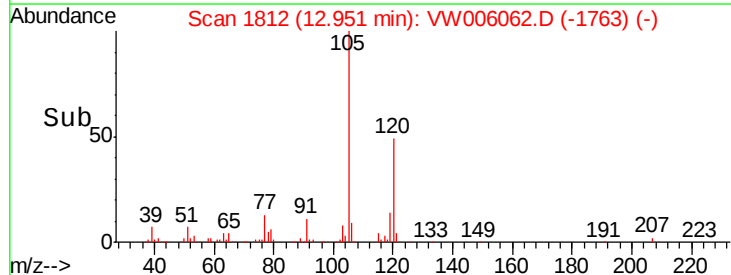
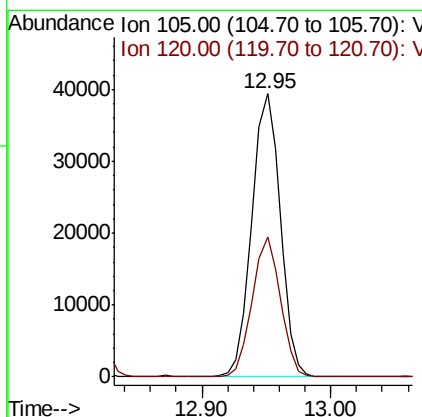
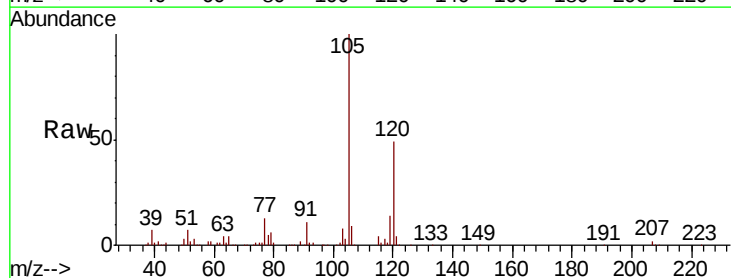
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

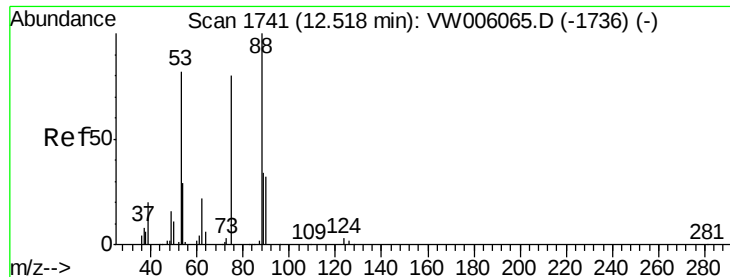
Tgt Ion: 91 Resp: 47004
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 4.865 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion: 105 Resp: 60101
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 3.288 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampled :

BFB

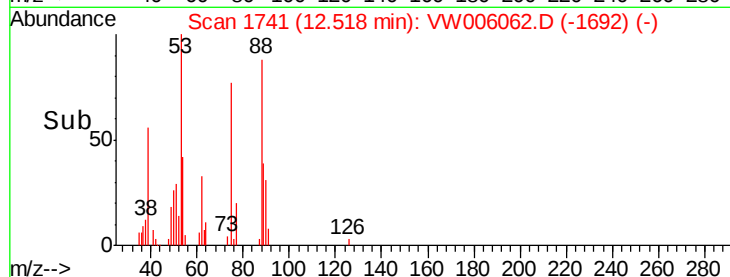
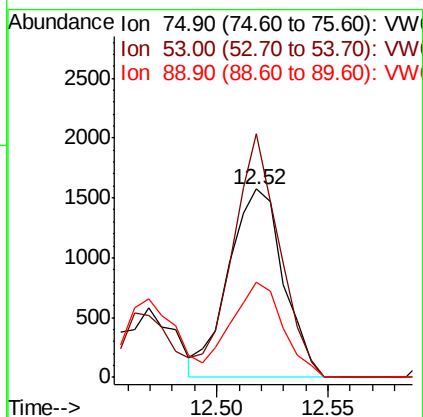
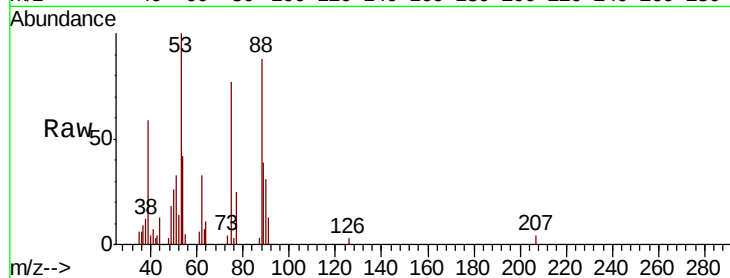
Tgt Ion: 75 Resp: 2705

Ion Ratio Lower Upper

75 100

53 110.1 79.8 119.6

89 47.7 37.5 56.3



#82

4-Chlorotoluene

Concen: 4.864 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006062.D

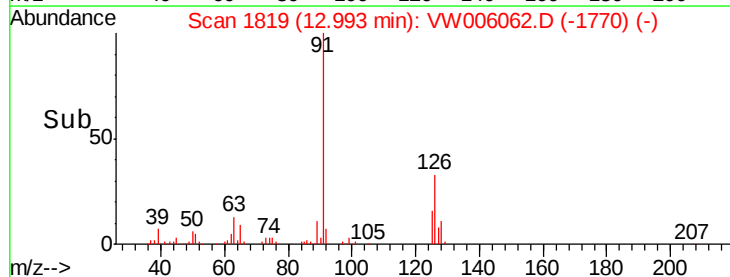
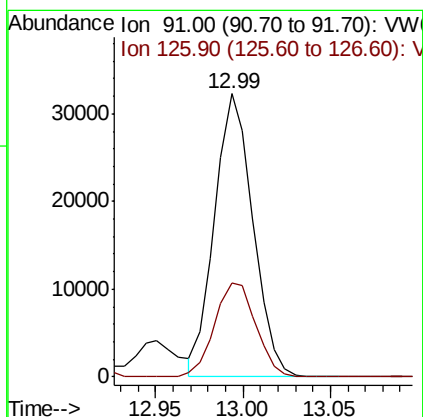
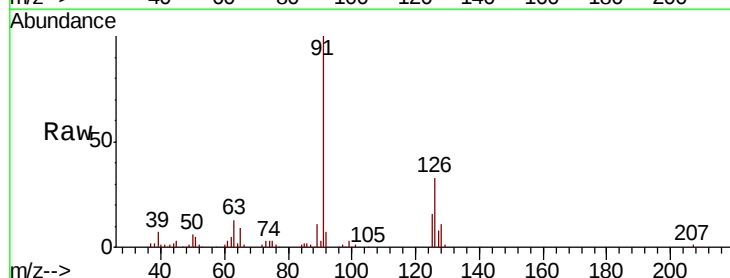
Acq: 15 Oct 2018 15:50

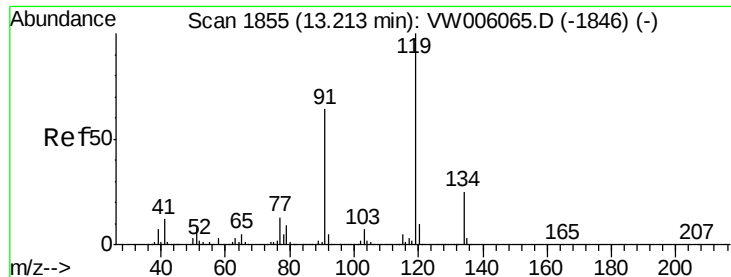
Tgt Ion: 91 Resp: 49480

Ion Ratio Lower Upper

91 100

126 35.7 18.1 54.3

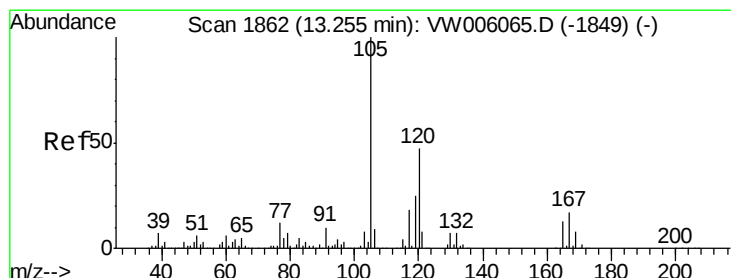
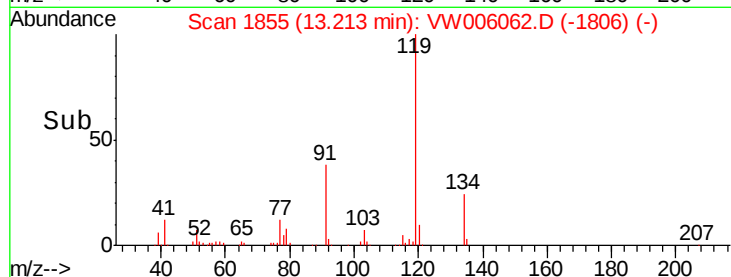
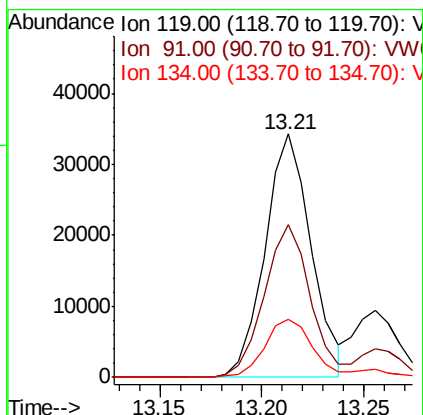
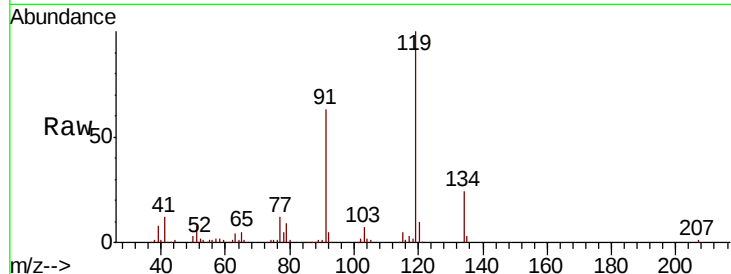




#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

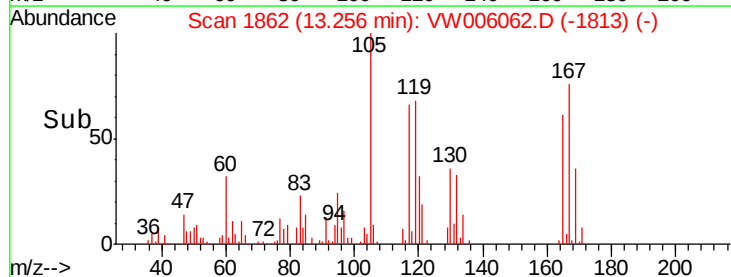
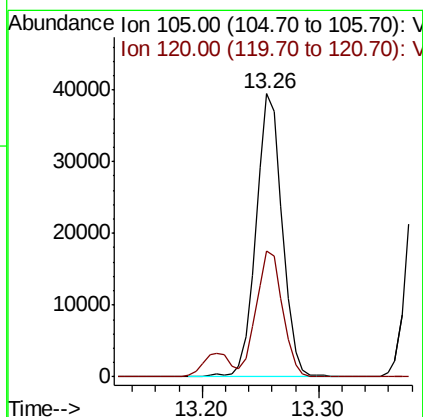
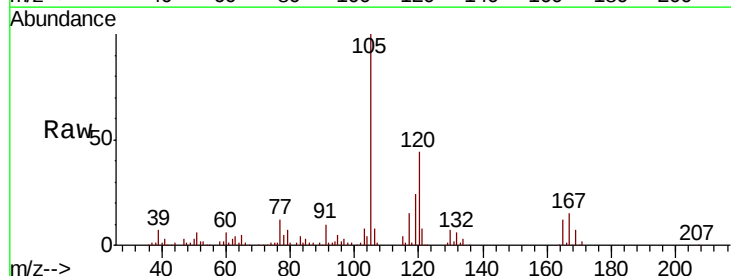
Instrument :
MSVOA_W
ClientSampled :
BFB

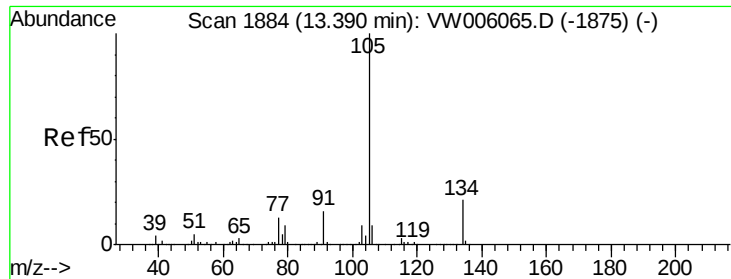
Tgt Ion:119 Resp: 53887
Ion Ratio Lower Upper
119 100
91 62.2 32.3 96.9
134 24.7 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 4.929 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006062.D
Acq: 15 Oct 2018 15:50

Tgt Ion:105 Resp: 61358
Ion Ratio Lower Upper
105 100
120 44.9 23.1 69.3





#85

sec-Butylbenzene

Concen: 4.994 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

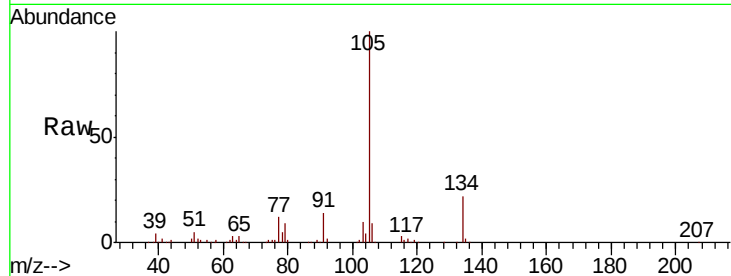
BFB

Tgt Ion:105 Resp: 77007

Ion Ratio Lower Upper

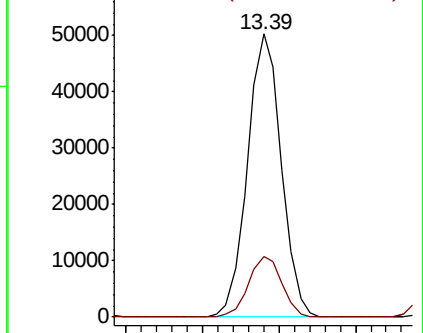
105 100

134 21.4 10.5 31.6

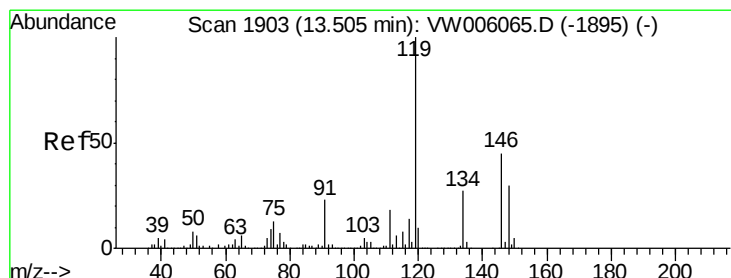
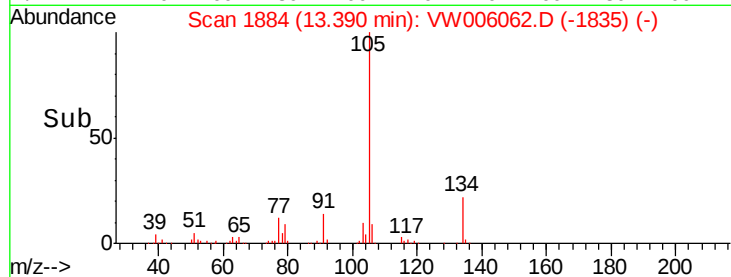


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 4.935 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

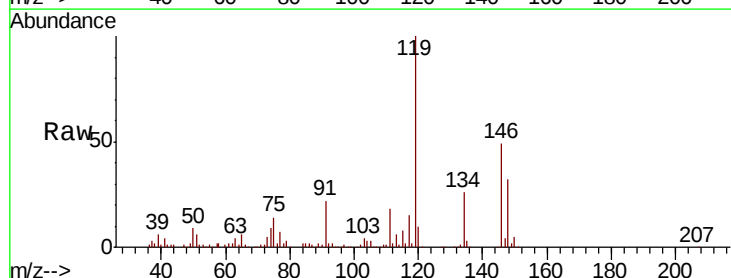
Tgt Ion:119 Resp: 68534

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

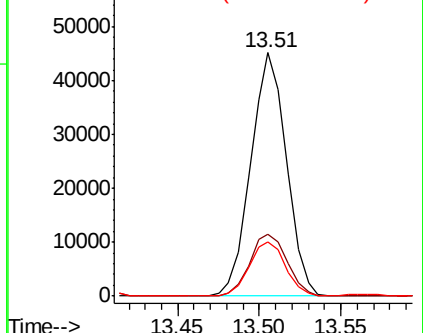
91 22.9 11.4 34.1



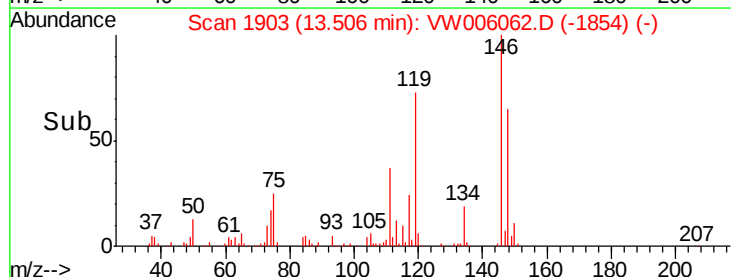
Abundance Ion 119.00 (118.70 to 119.70): V

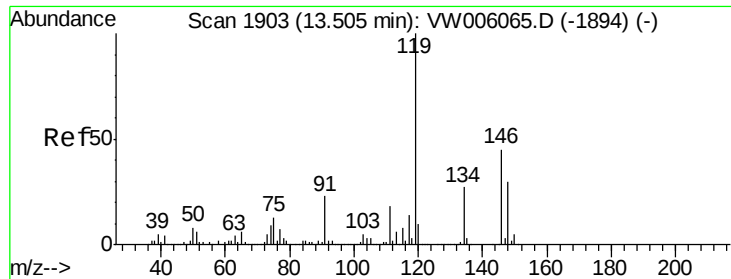
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time--> 13.45 13.50 13.55

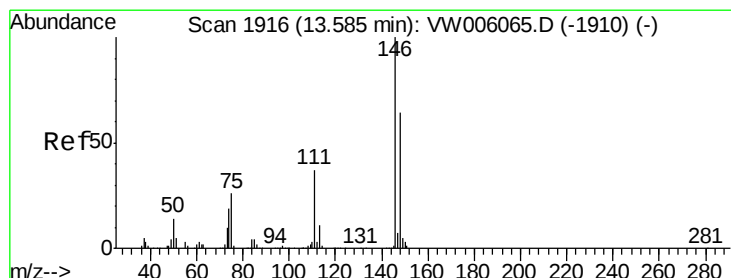
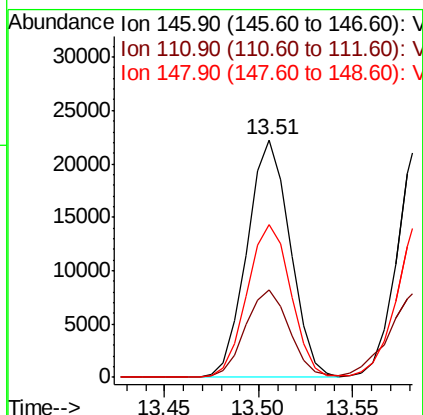
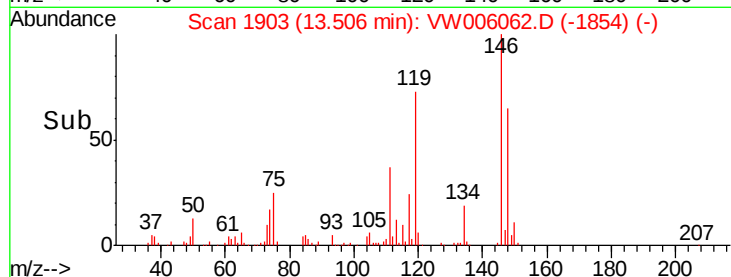
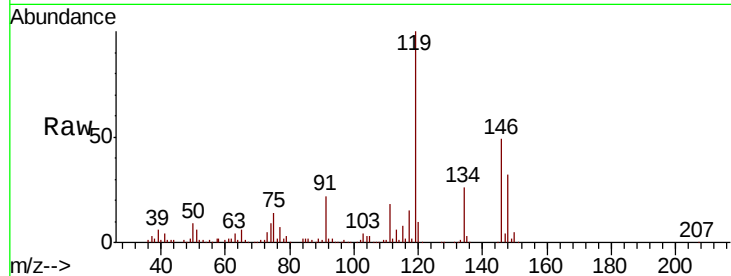




#87
 1,3-Dichlorobenzene
 Concen: 5.111 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

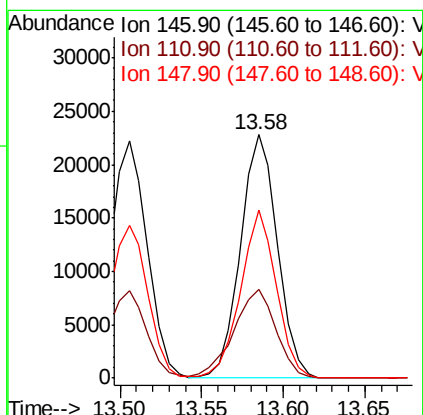
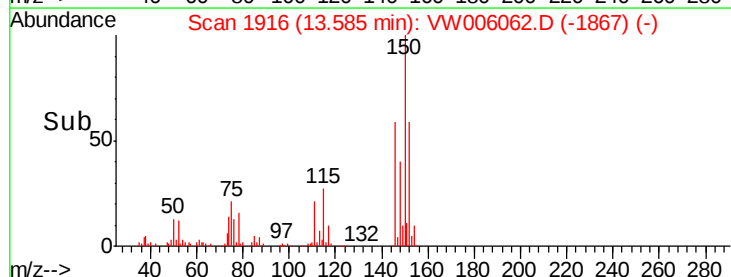
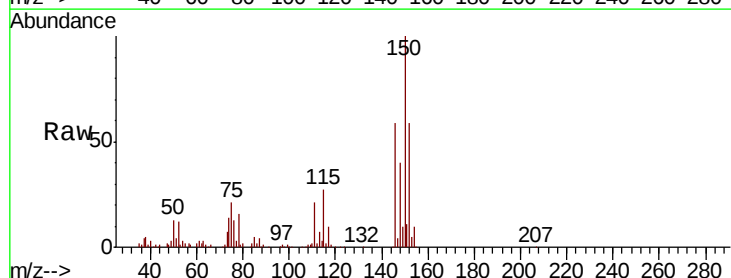
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

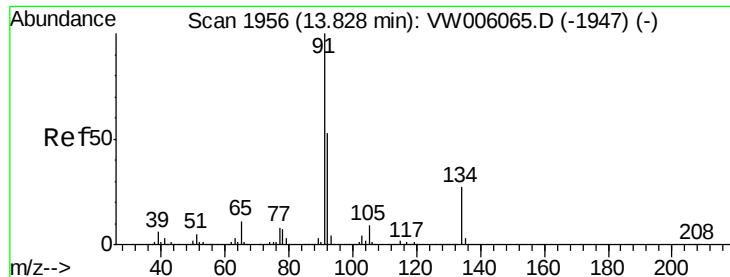
Tgt Ion:146 Resp: 35314
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.5
 148 65.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 5.229 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion:146 Resp: 35899
 Ion Ratio Lower Upper
 146 100
 111 41.6 18.6 56.0
 148 67.0 32.1 96.5





#89

n-Butylbenzene

Concen: 4.858 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampled :

BFB

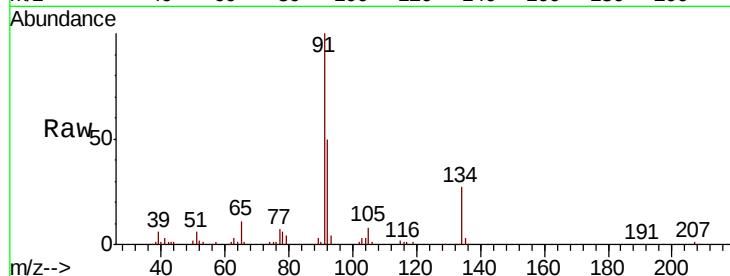
Tgt Ion: 91 Resp: 63188

Ion Ratio Lower Upper

91 100

92 51.6 26.6 79.7

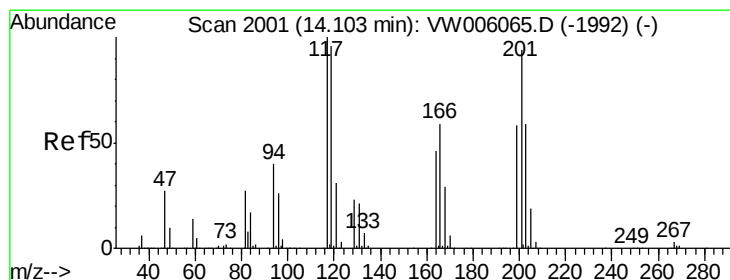
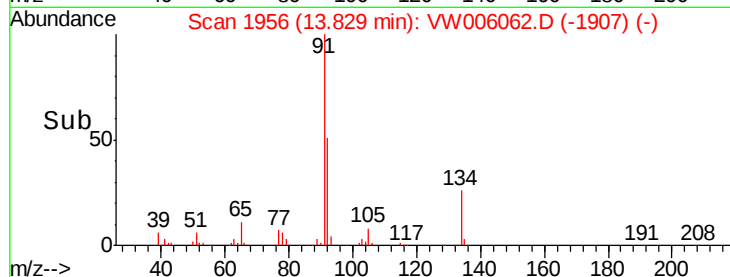
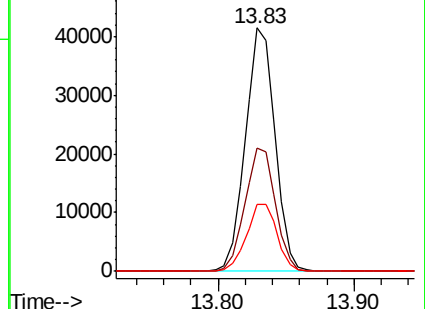
134 28.2 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 4.125 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006062.D

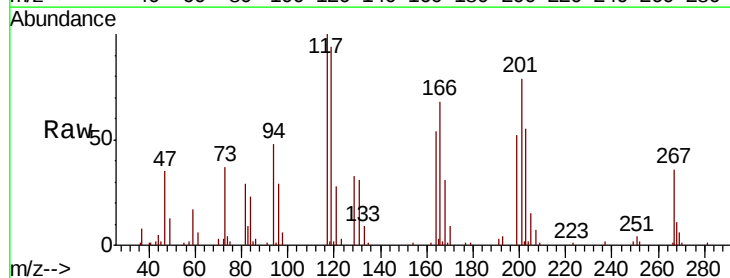
Acq: 15 Oct 2018 15:50

Tgt Ion: 117 Resp: 10656

Ion Ratio Lower Upper

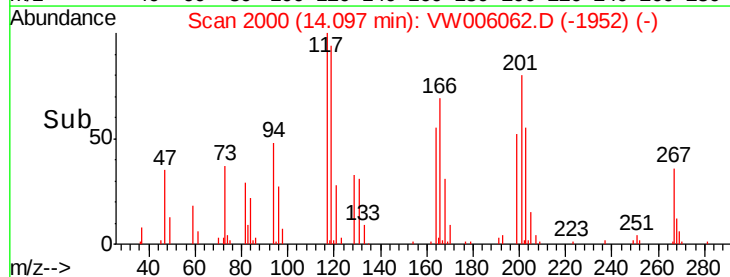
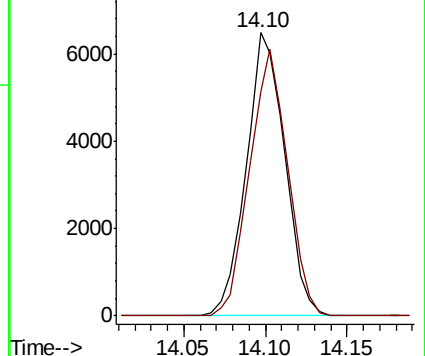
117 100

201 92.5 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 5.150 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

BFB

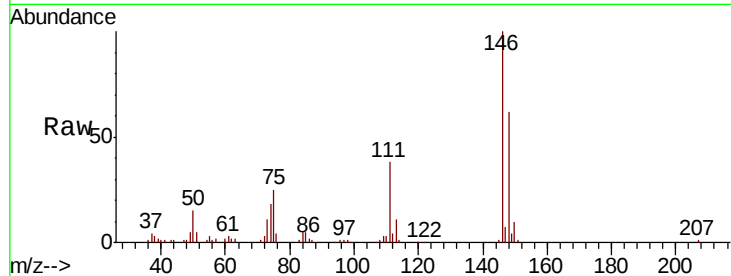
Tgt Ion:146 Resp: 31650

Ion Ratio Lower Upper

146 100

111 38.3 19.6 58.7

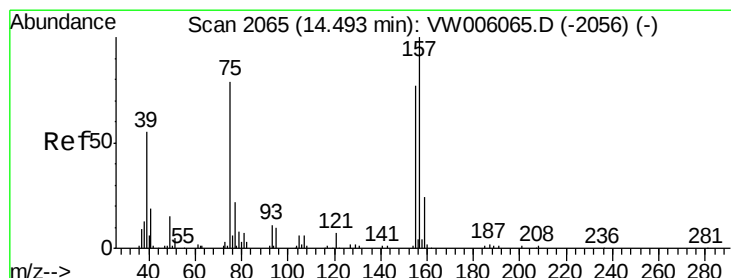
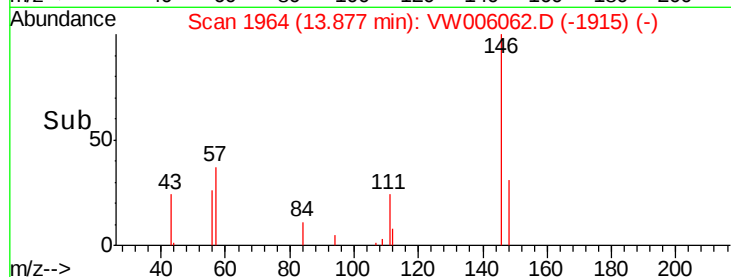
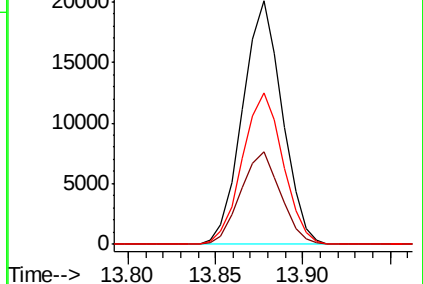
148 64.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.465 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

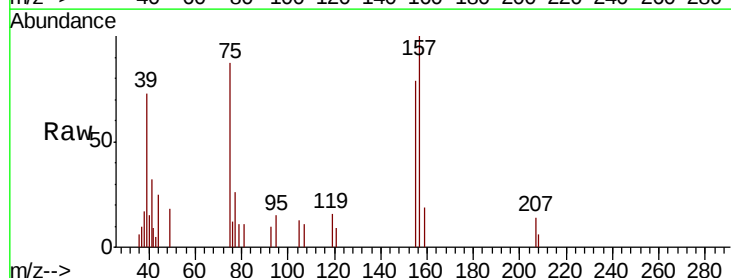
Tgt Ion: 75 Resp: 1966

Ion Ratio Lower Upper

75 100

155 84.0 46.5 139.5

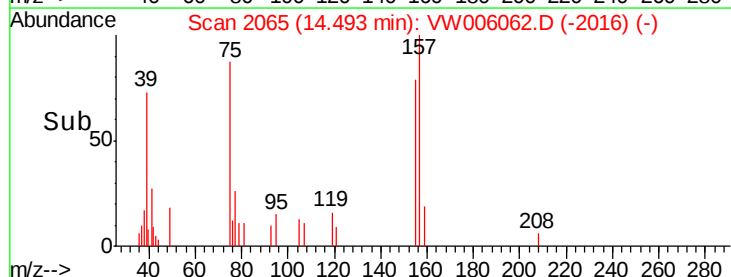
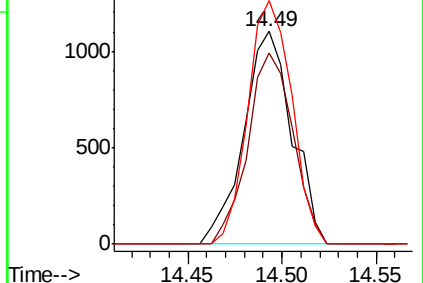
157 103.4 59.8 179.4

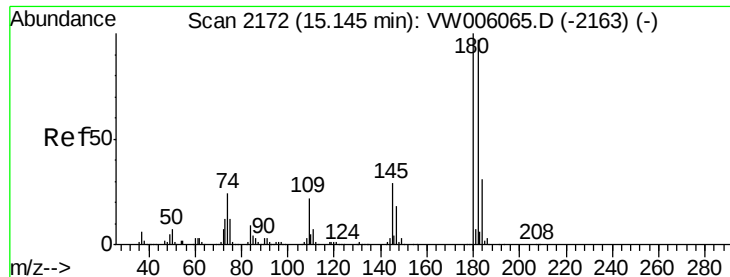


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

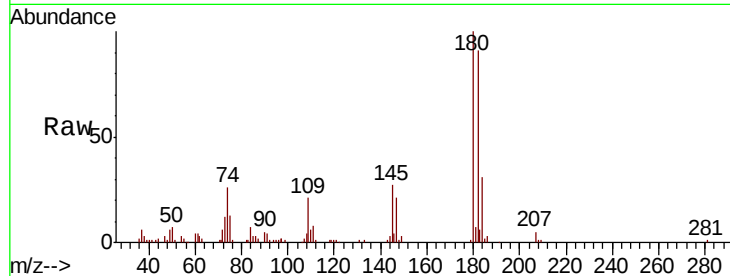




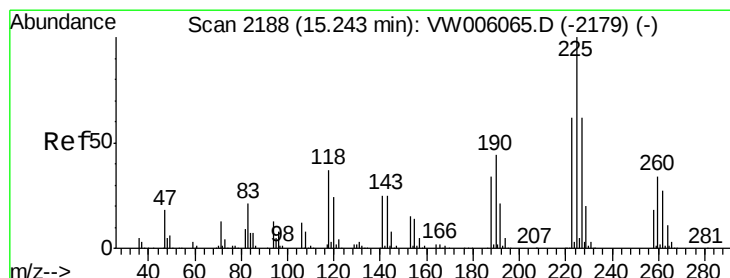
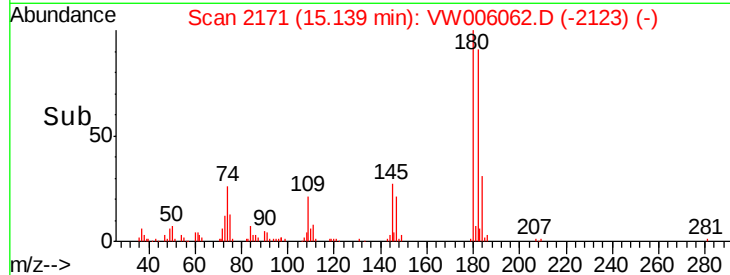
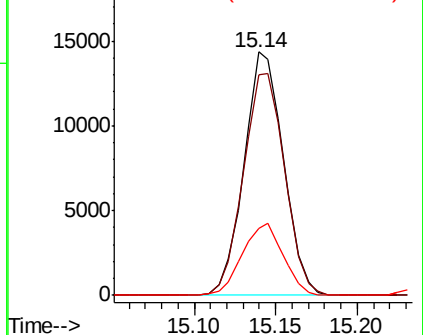
#93
 1,2,4-Trichlorobenzene
 Concen: 5.092 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 24093
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.6
 145 30.5 14.2 42.8

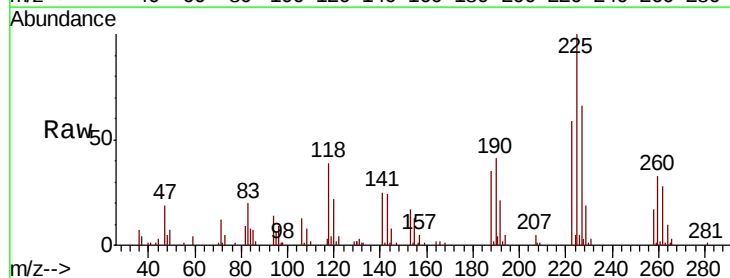


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

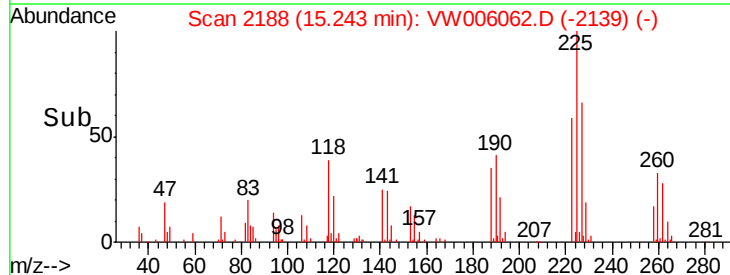
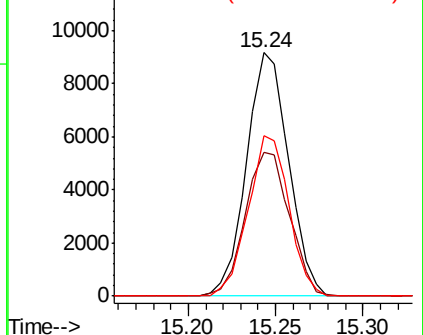


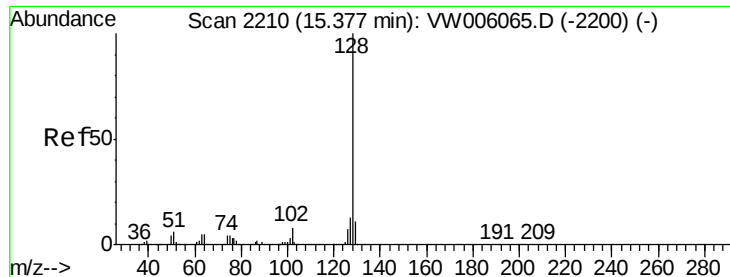
#94
 Hexachlorobutadiene
 Concen: 5.185 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006062.D
 Acq: 15 Oct 2018 15:50

Tgt Ion:225 Resp: 15321
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.1 93.5
 227 63.7 32.4 97.0



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: 4.646 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

Instrument :

MSVOA_W

ClientSampleId :

BFB

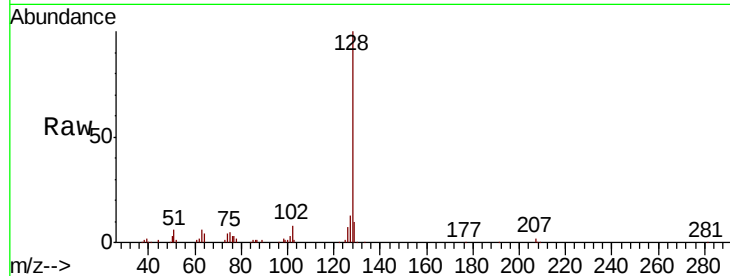
Tgt Ion:128 Resp: 37773

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

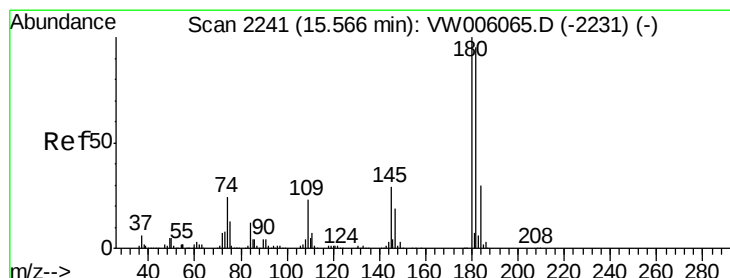
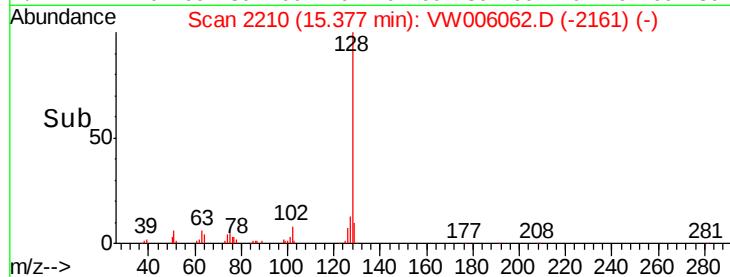
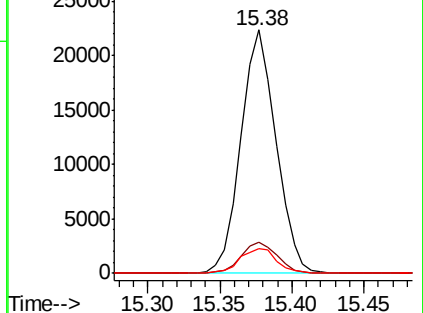
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.945 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006062.D

Acq: 15 Oct 2018 15:50

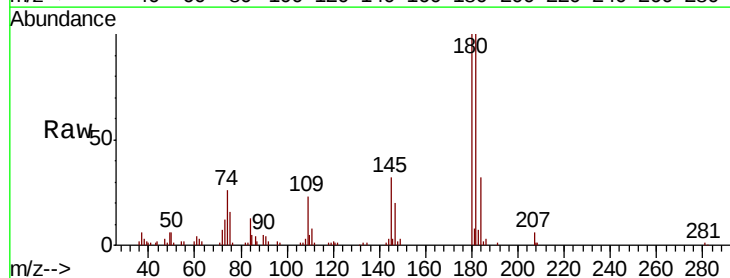
Tgt Ion:180 Resp: 20266

Ion Ratio Lower Upper

180 100

182 95.5 47.8 143.3

145 32.0 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

