

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081718\
 Data File : VW004701.D
 Acq On : 15 Aug 2018 17:17
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Aug 16 04:57:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	684017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1005100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	949810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	504154	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	341620	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
35) Dibromofluoromethane	7.88	113	346056	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.33	98	1356766	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.62	95	495243	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	169916	36.197	ug/l	97
3) Chloromethane	2.22	50	267226	40.862	ug/l	99
4) Vinyl Chloride	2.37	62	408806	44.749	ug/l	98
5) Bromomethane	2.78	94	250516	47.096	ug/l	98
6) Chloroethane	2.92	64	254267	46.580	ug/l	99
7) Trichlorofluoromethane	3.25	101	191832	56.854	ug/l	95
8) Diethyl Ether	3.67	74	186540	43.704	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	357032	47.908	ug/l	97
10) Methyl Iodide	4.26	142	523139	46.787	ug/l	100
11) Tert butyl alcohol	5.20	59	90164	203.372	ug/l	98
12) 1,1-Dichloroethene	4.03	96	345619	46.076	ug/l	97
13) Acrolein	3.89	56	131558	242.187	ug/l	98
14) Allyl chloride	4.66	41	557038	49.427	ug/l	98
15) Acrylonitrile	5.37	53	410638	216.493	ug/l	99
16) Acetone	4.13	43	456998	241.677	ug/l	100
17) Carbon Disulfide	4.37	76	1096074	45.468	ug/l	99
18) Methyl Acetate	4.67	43	193628	41.065	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	483771	47.282	ug/l	97
20) Methylene Chloride	4.91	84	399179	41.764	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	389697	48.208	ug/l	97
22) Diisopropyl ether	6.31	45	1116038	48.188	ug/l	99
23) Vinyl Acetate	6.26	43	3164048	227.315	ug/l	99
24) 1,1-Dichloroethane	6.21	63	689620	46.520	ug/l	99
25) 2-Butanone	7.18	43	654055	215.026	ug/l	97
26) 2,2-Dichloropropane	7.17	77	391635	50.336	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	419544	48.239	ug/l	99
28) Bromochloromethane	7.51	49	301009	46.669	ug/l	97
29) Tetrahydrofuran	7.54	42	325212	206.811	ug/l	98
30) Chloroform	7.68	83	682417	46.868	ug/l	97
31) Cyclohexane	7.95	56	646623	45.589	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	544836	49.815	ug/l	99
36) 1,1-Dichloropropene	8.08	75	548347	50.670	ug/l	99
37) Ethyl Acetate	7.26	43	214708	42.361	ug/l	99
38) Carbon Tetrachloride	8.07	117	504328	51.787	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	700185	52.785	ug/l	99
40) Benzene	8.32	78	1590782	50.056	ug/l	99
41) Methacrylonitrile	7.49	41	131841	46.572	ug/l	96
42) 1,2-Dichloroethane	8.40	62	406666	46.251	ug/l	99
43) Isopropyl Acetate	8.43	43	390432	44.192	ug/l	98
44) Trichloroethene	9.09	130	397333	50.880	ug/l	100
45) 1,2-Dichloropropane	9.37	63	392544	49.323	ug/l	99
46) Dibromomethane	9.46	93	193111	47.664	ug/l	99
47) Bromodichloromethane	9.65	83	464277	48.547	ug/l	98
48) Methyl methacrylate	9.44	41	190438	46.119	ug/l	99
49) 1,4-Dioxane	9.47	88	60718	982.305	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	1384297	225.098	ug/l	99
52) Toluene	10.39	92	975586	52.059	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	471425	49.093	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	564876	50.476	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	277079	47.714	ug/l	100
56) Ethyl methacrylate	10.65	69	337787	48.585	ug/l	99
57) 1,3-Dichloropropane	10.93	76	479248	47.882	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	872786	236.872	ug/l	100
59) 2-Hexanone	10.98	43	967048	231.930	ug/l	99
60) Dibromochloromethane	11.13	129	310967	49.235	ug/l	100
61) 1,2-Dibromoethane	11.24	107	261799	47.987	ug/l	100
64) Tetrachloroethene	10.87	164	329562	49.739	ug/l	98
65) Chlorobenzene	11.66	112	1060039	50.642	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	358833	50.352	ug/l	100
67) Ethyl Benzene	11.74	91	1877708	52.917	ug/l	98
68) m/p-Xylenes	11.84	106	1472586	107.383	ug/l	98
69) o-Xylene	12.17	106	682860	53.694	ug/l	100
70) Styrene	12.19	104	1158756	53.927	ug/l	100
71) Bromoform	12.35	173	188932	48.227	ug/l #	100
73) Isopropylbenzene	12.47	105	1899267	54.464	ug/l	100
74) N-amyl acetate	12.28	43	385819	45.627	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	334403	45.937	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	431039	82.624	ug/l #	100
77) Bromobenzene	12.75	156	438937	52.025	ug/l	96
78) n-propylbenzene	12.81	91	2319012	53.893	ug/l	100
79) 2-Chlorotoluene	12.90	91	1306904	52.484	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1614608	54.278	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	102912	47.223	ug/l	99
82) 4-Chlorotoluene	12.99	91	1379266	52.191	ug/l	99
83) tert-Butylbenzene	13.21	119	1377638	55.213	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	1665757	54.092	ug/l	100
85) sec-Butylbenzene	13.39	105	2044053	54.303	ug/l	100
86) p-Isopropyltoluene	13.51	119	1802410	55.258	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	893317	51.386	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	880682	50.889	ug/l	99
89) n-Butylbenzene	13.83	91	1747635	54.532	ug/l	99
90) Hexachloroethane	14.10	117	313374	51.927	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	798219	50.610	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	52248	43.924	ug/l	98

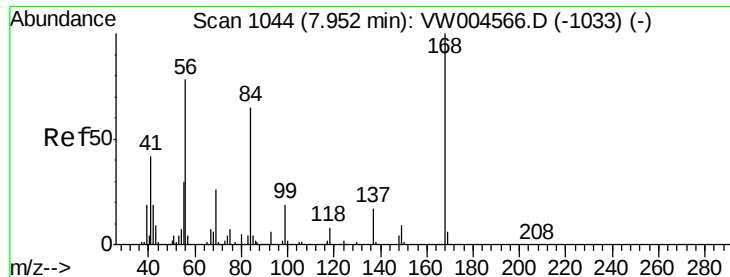
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	567299	51.953	ug/l	100
94) Hexachlorobutadiene	15.25	225	345702	54.370	ug/l	99
95) Naphthalene	15.38	128	1003597	44.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	501346	51.092	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

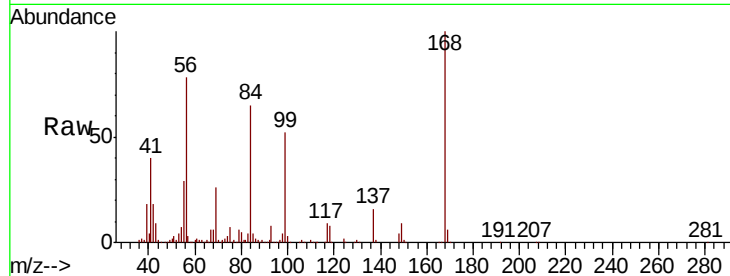
BFB

Tot Ion:168 Resp: 684017

Ion Ratio Lower Upper

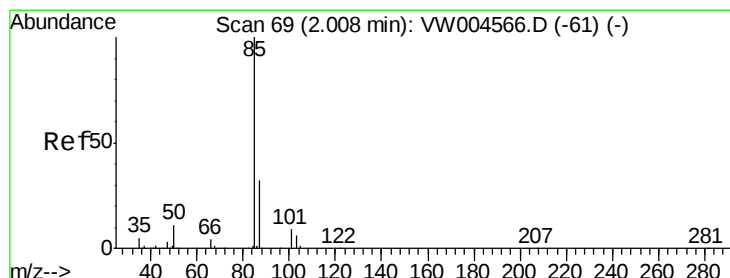
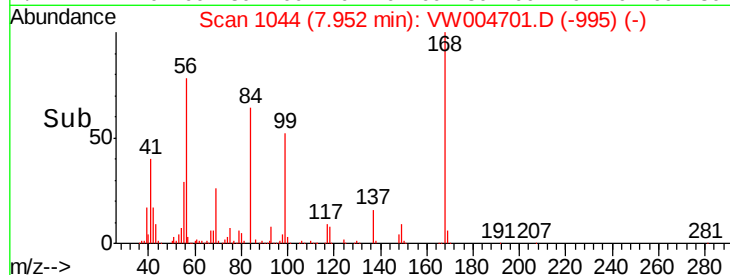
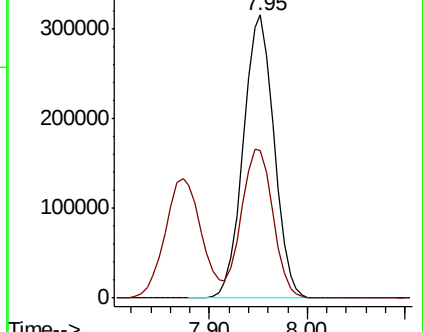
168 100

99 52.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 36.197 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004701.D

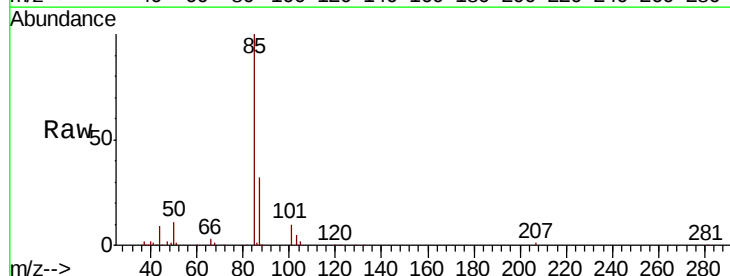
Acq: 15 Aug 2018 17:17

Tgt Ion: 85 Resp: 169916

Ion Ratio Lower Upper

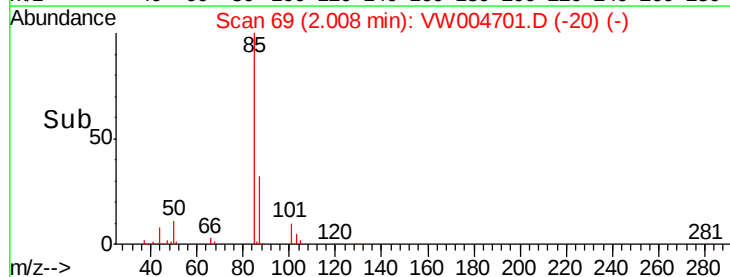
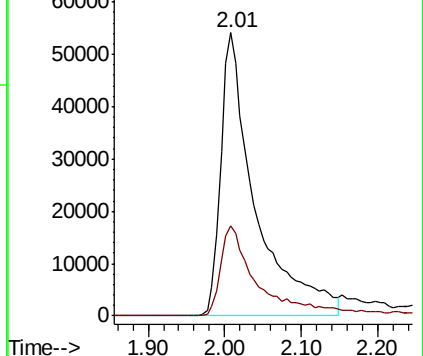
85 100

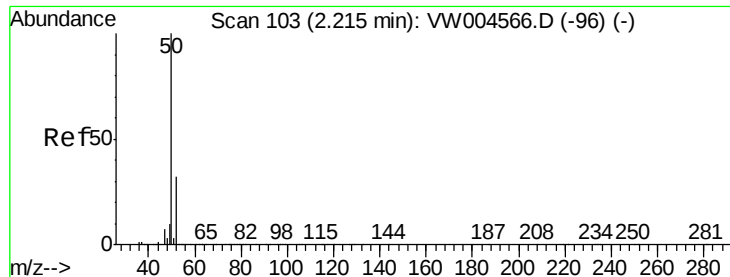
87 31.7 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 40.862 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

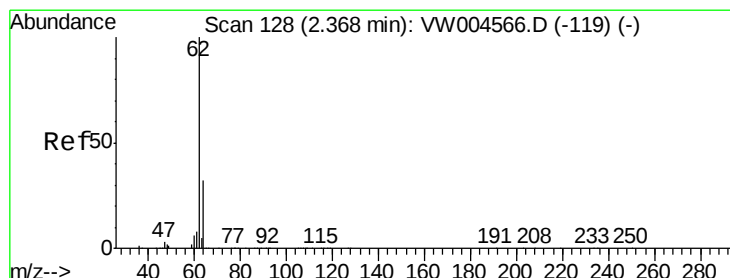
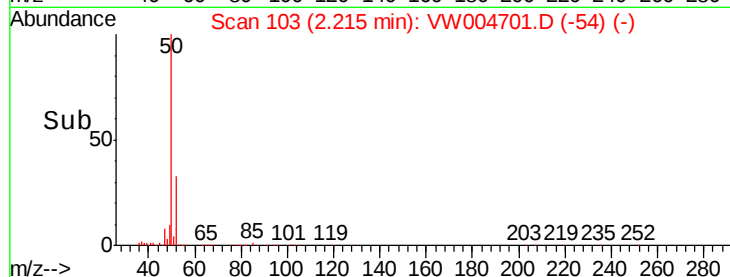
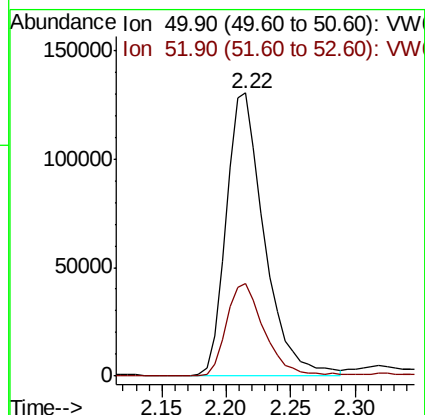
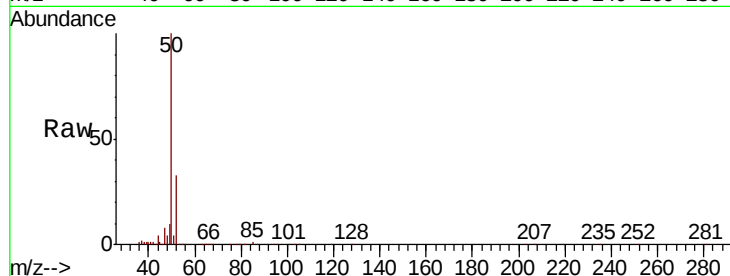
BFB

Tot Ion: 50 Resp: 267226

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.8



#4

Vinyl Chloride

Concen: 44.749 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004701.D

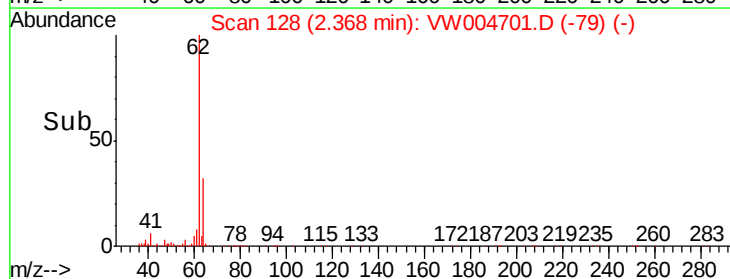
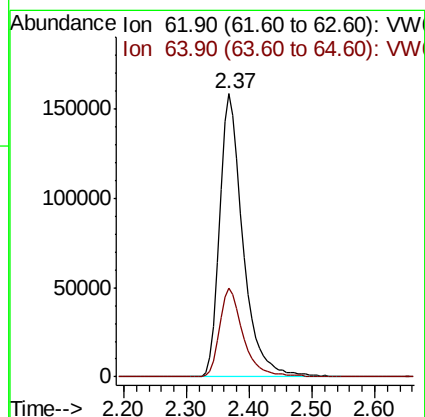
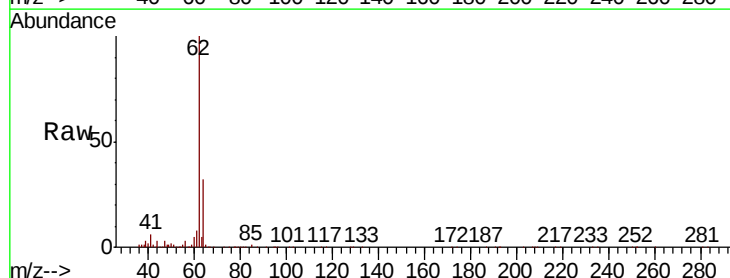
Acq: 15 Aug 2018 17:17

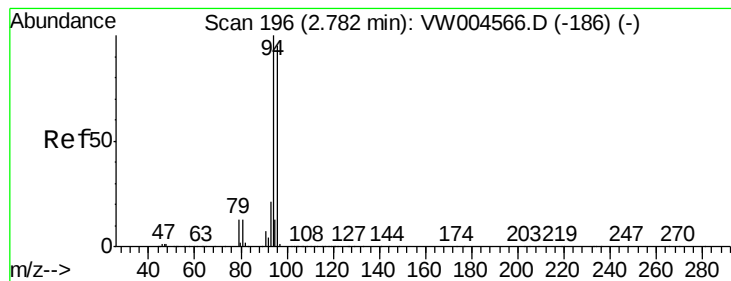
Tgt Ion: 62 Resp: 408806

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.2





#5

Bromomethane

Concen: 47.096 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

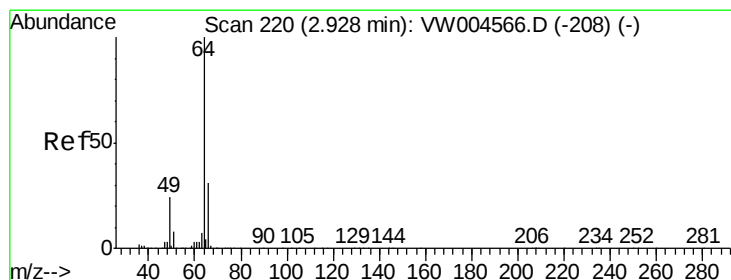
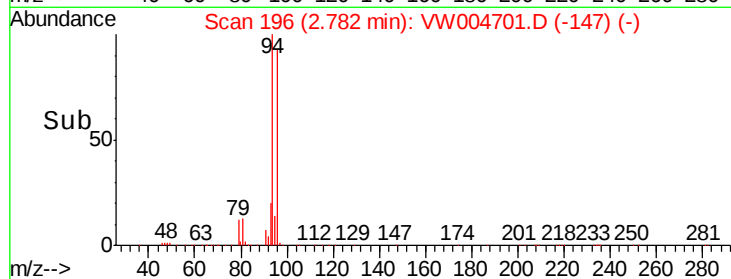
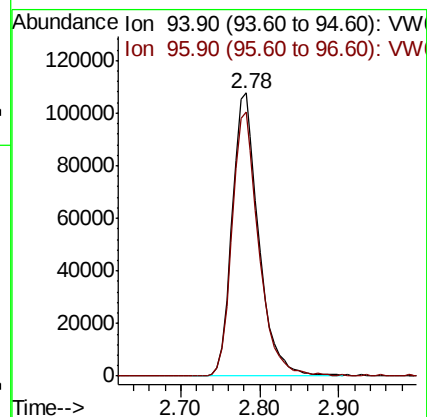
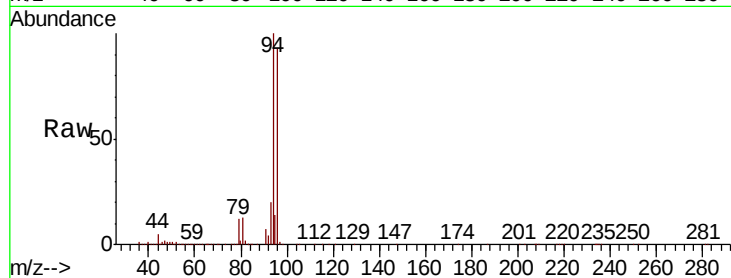
BFB

Tot Ion: 94 Resp: 250516

Ion Ratio Lower Upper

94 100

96 93.2 72.9 109.3



#6

Chloroethane

Concen: 46.580 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004701.D

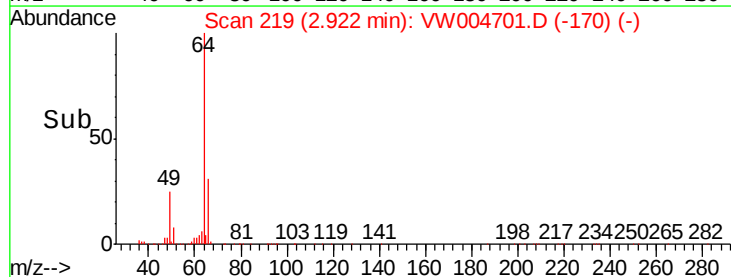
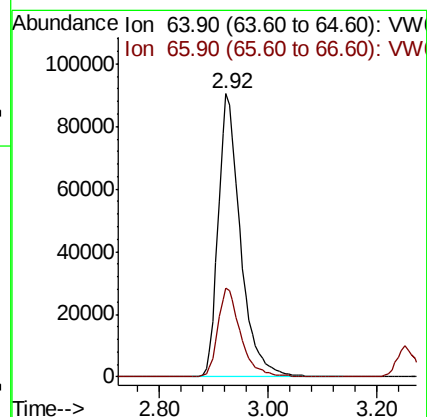
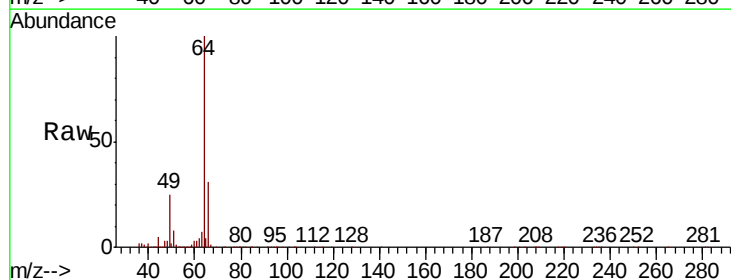
Acq: 15 Aug 2018 17:17

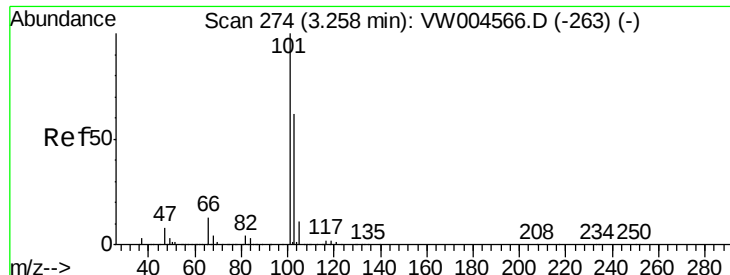
Tgt Ion: 64 Resp: 254267

Ion Ratio Lower Upper

64 100

66 31.3 24.6 36.8



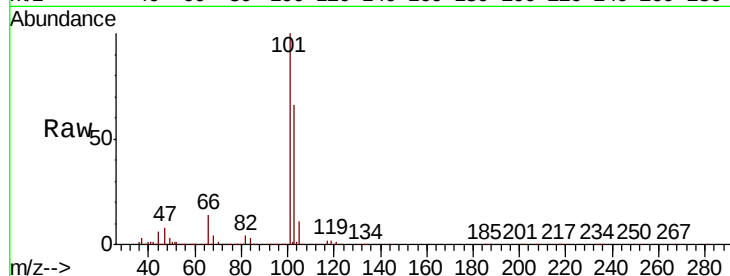


#7

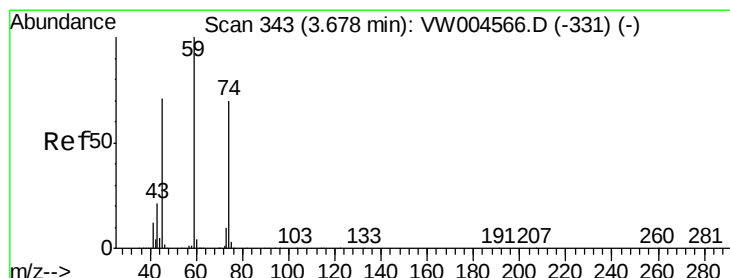
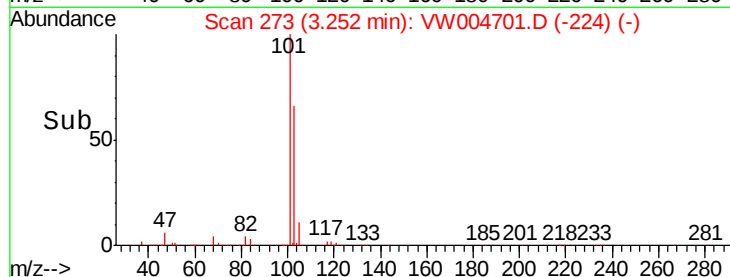
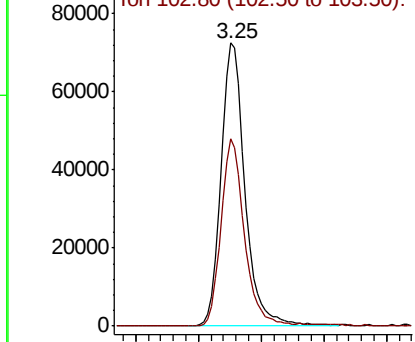
Trichlorofluoromethane
 Concen: 56.854 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tot Ion:101 Resp: 191832
 Ion Ratio Lower Upper
 101 100
 103 66.1 49.8 74.8



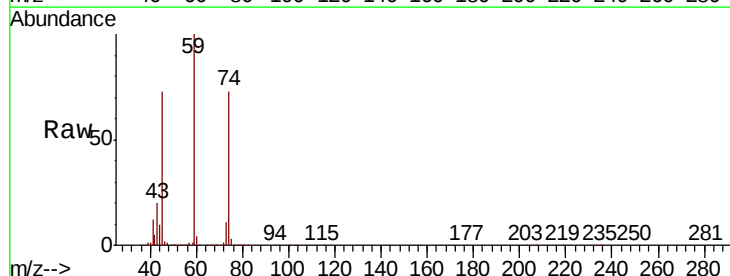
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



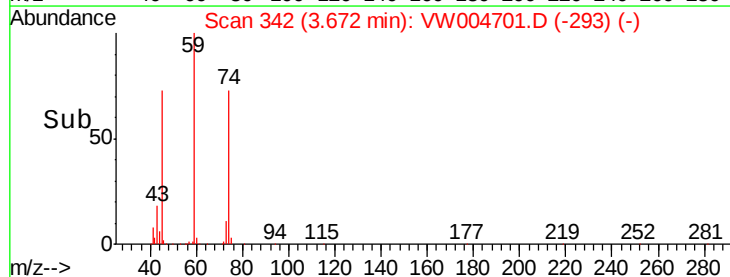
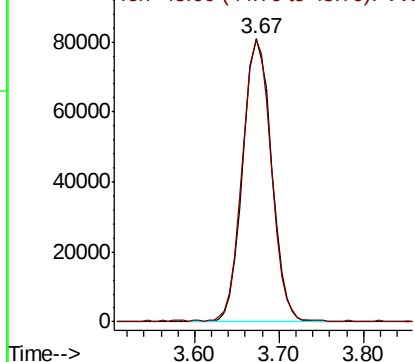
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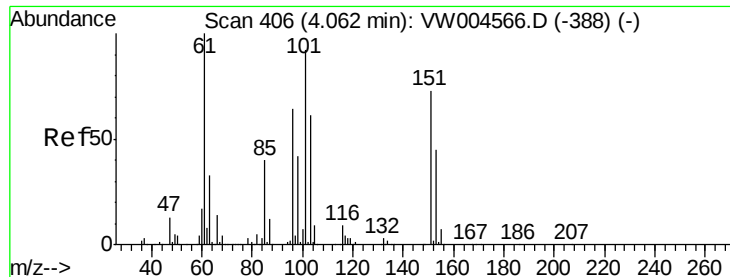
Diethyl Ether
 Concen: 43.704 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion: 74 Resp: 186540
 Ion Ratio Lower Upper
 74 100
 45 99.6 51.2 153.8



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.908 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

BFB

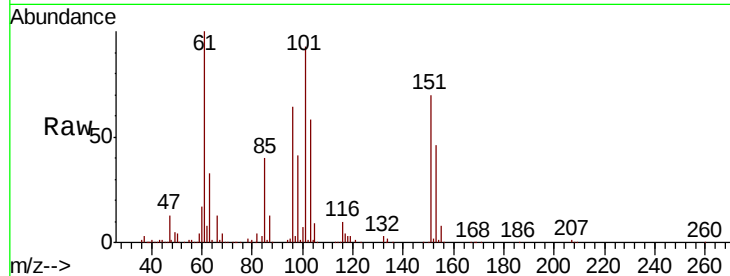
Tot Ion:101 Resp: 357032

Ion Ratio Lower Upper

101 100

85 42.4 34.6 51.8

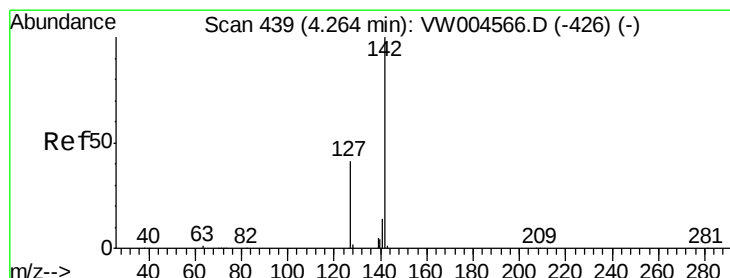
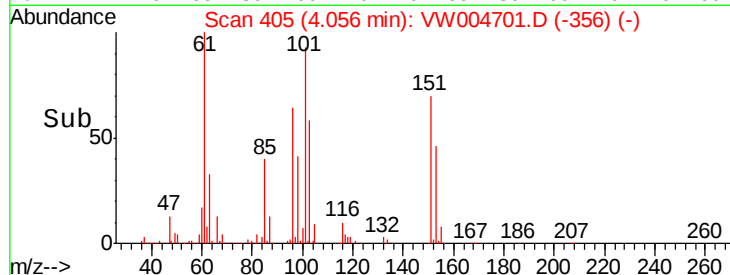
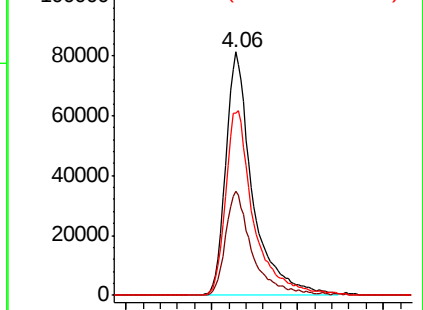
151 79.4 61.3 91.9



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: 46.787 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

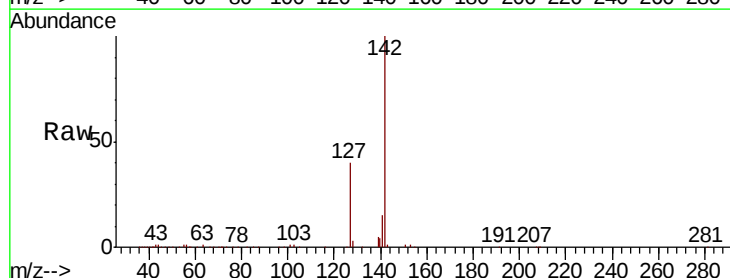
Tgt Ion:142 Resp: 523139

Ion Ratio Lower Upper

142 100

127 40.7 32.7 49.1

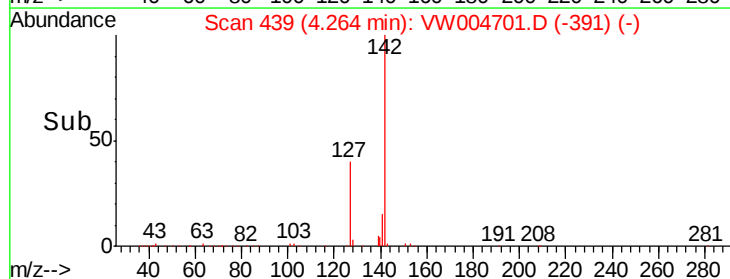
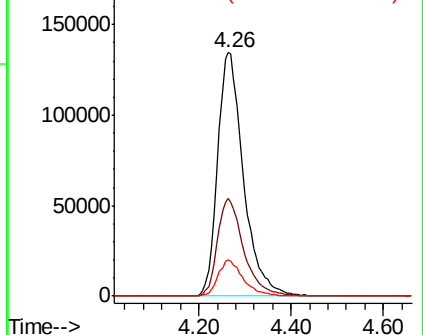
141 14.5 11.5 17.3

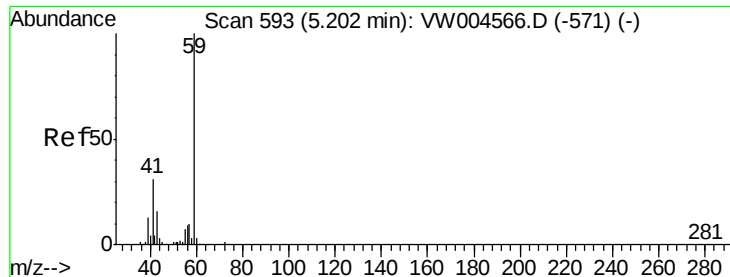


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



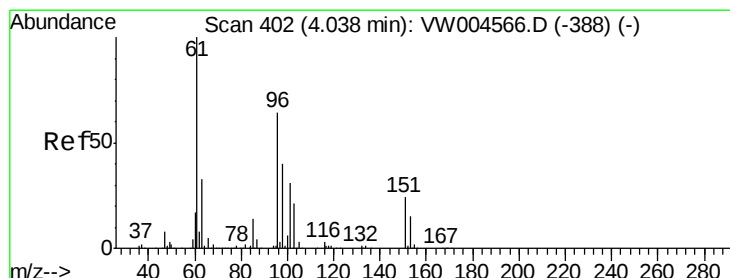
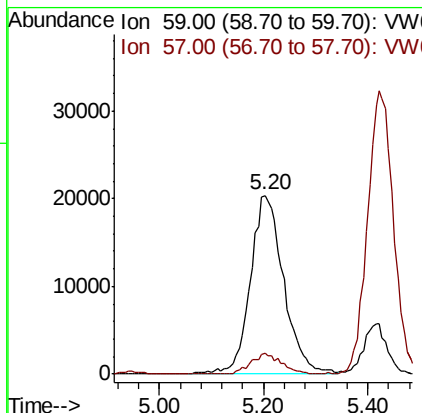
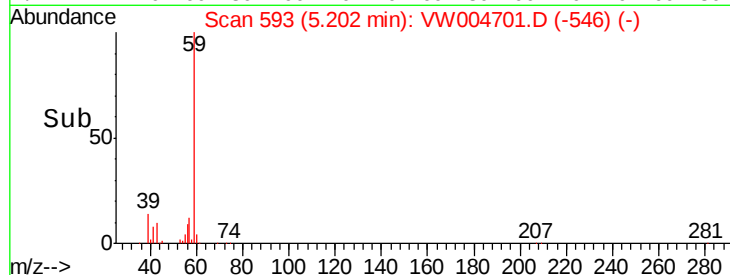
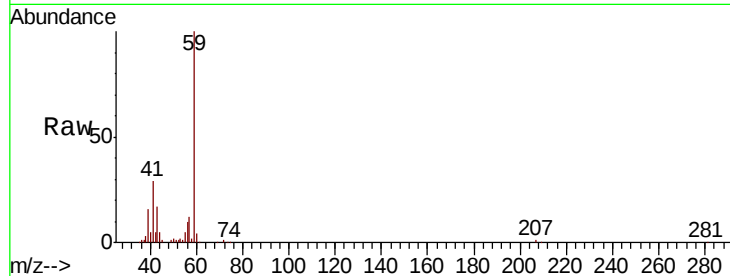


#11

Tert butyl alcohol
 Concen: 203.372 ug/l
 RT: 5.20 min Scan# 593
 Delta R.T. -0.01 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

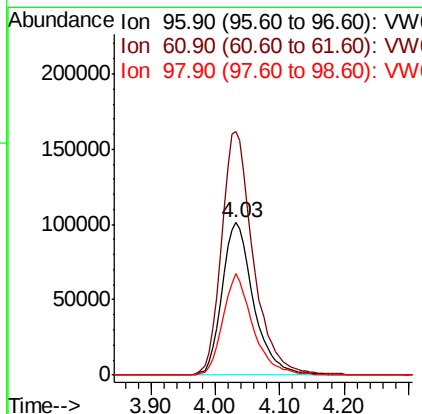
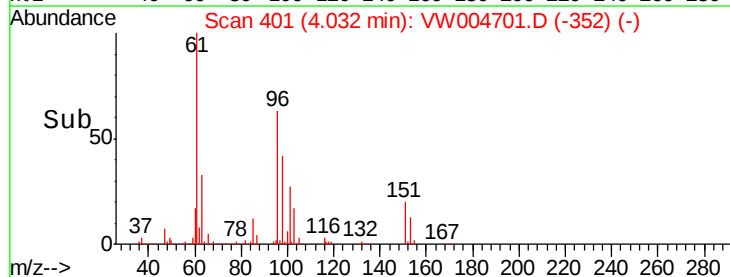
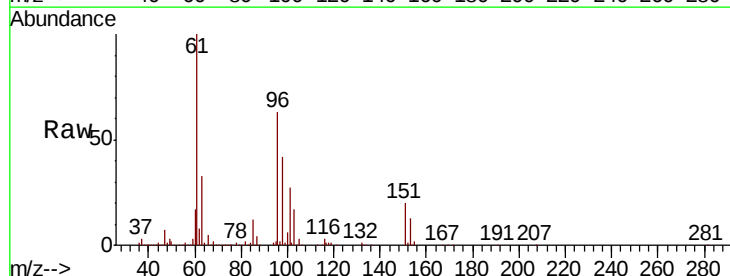
Tot Ion: 59 Resp: 90164
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.1 13.7

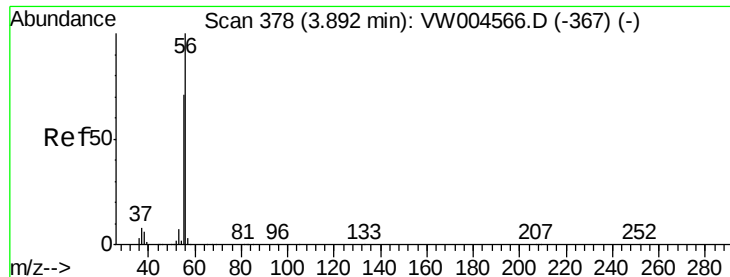


#12

1,1-Dichloroethene
 Concen: 46.076 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion: 96 Resp: 345619
 Ion Ratio Lower Upper
 96 100
 61 159.7 130.6 195.8
 98 66.5 49.6 74.4

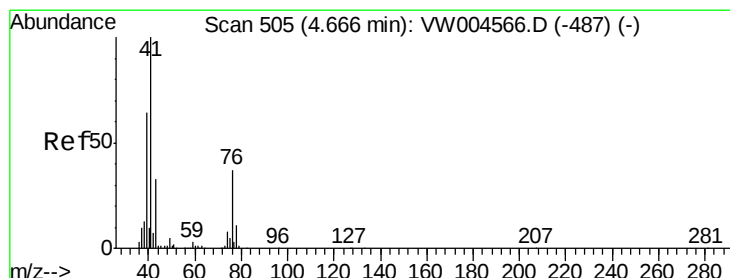
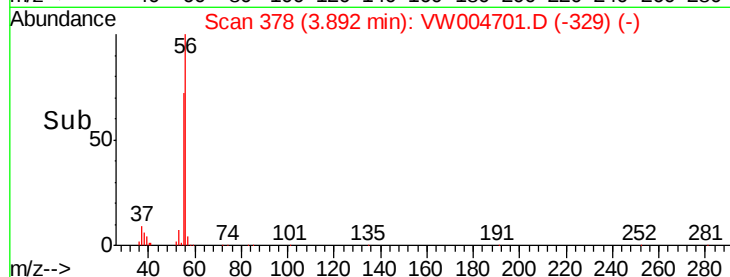
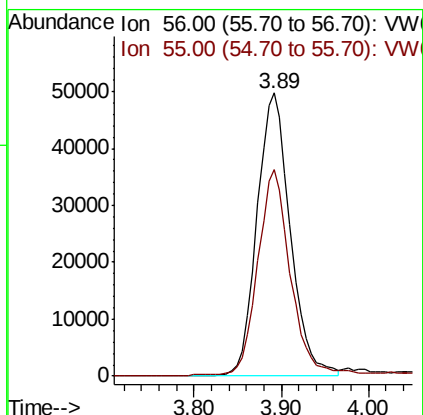
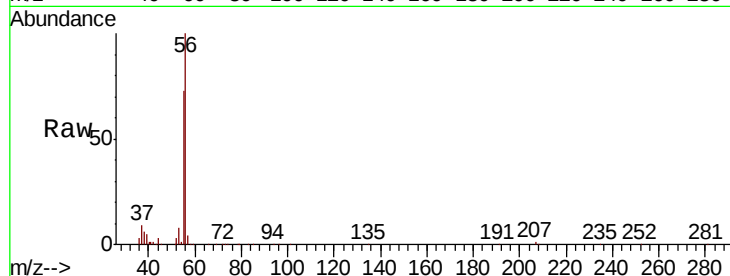




#13
Acrolein
Concen: 242.187 ug/l
RT: 3.89 min Scan# 378
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

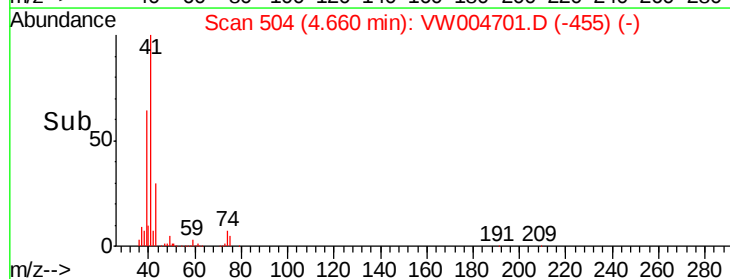
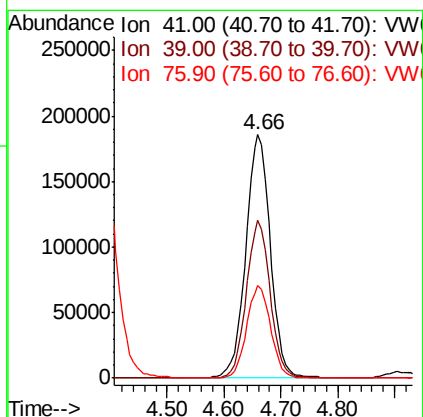
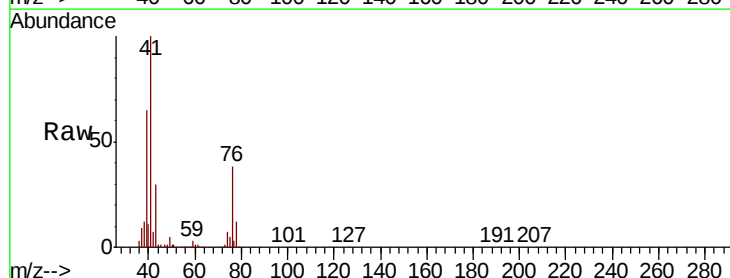
Instrument :
MSVOA_W
ClientSampled :
BFB

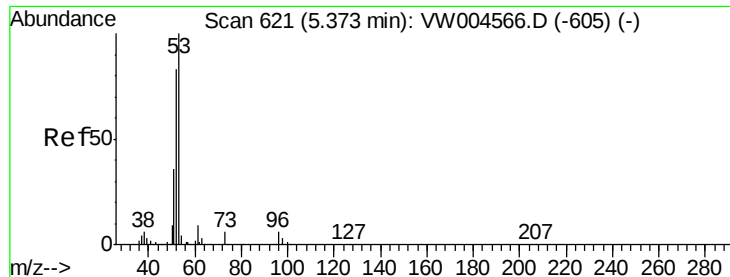
Tot Ion: 56 Resp: 131558
Ion Ratio Lower Upper
56 100
55 72.9 56.7 85.1



#14
Allyl chloride
Concen: 49.427 ug/l
RT: 4.66 min Scan# 504
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

Tgt Ion: 41 Resp: 557038
Ion Ratio Lower Upper
41 100
39 62.6 51.9 77.9
76 36.7 29.0 43.6

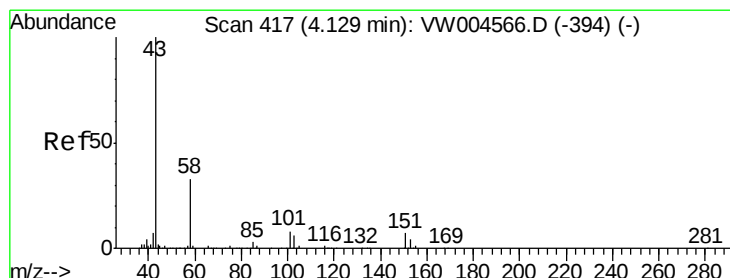
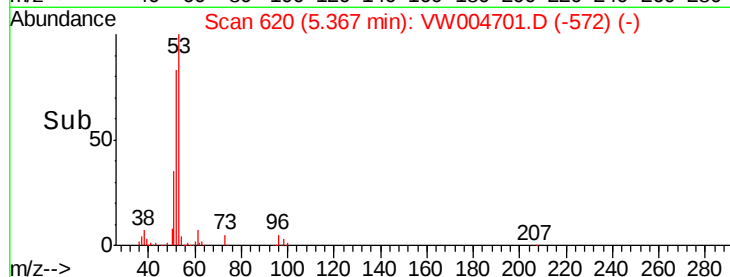
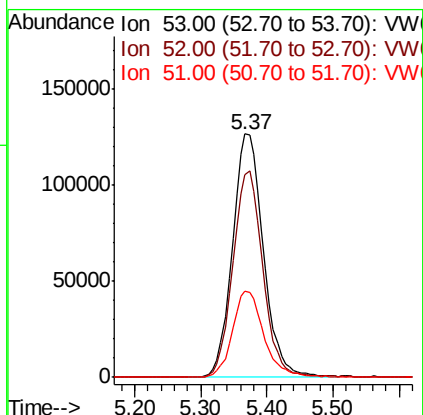
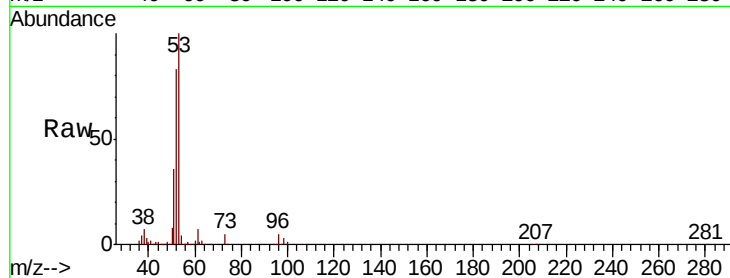




#15
 Acrylonitrile
 Concen: 216.493 ug/l
 RT: 5.37 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

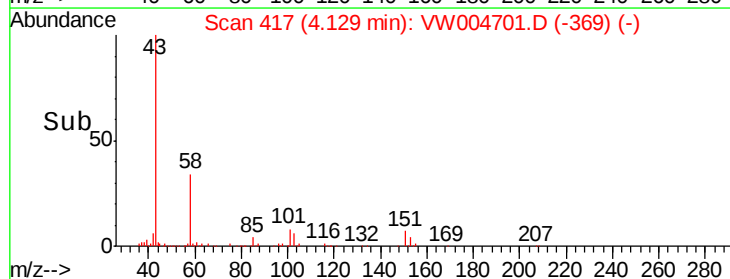
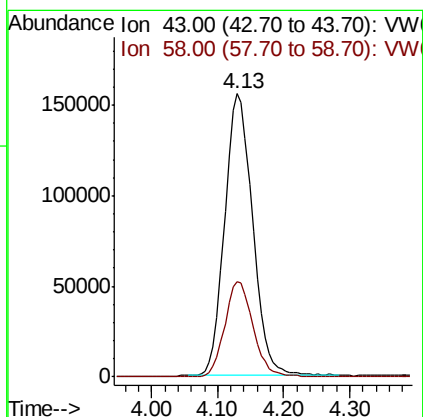
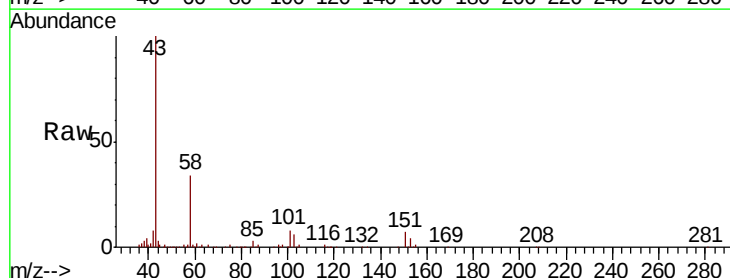
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

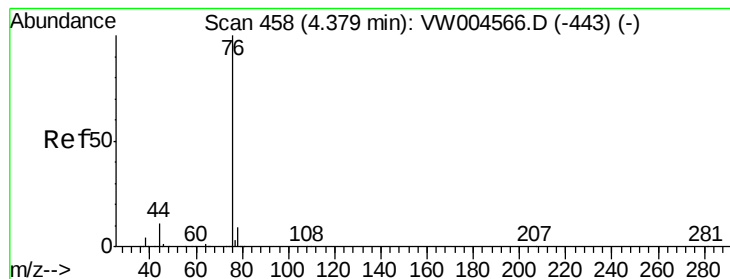
Tot Ion	53	Resp	410638
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.5	99.7
51	36.1	28.4	42.6



#16
 Acetone
 Concen: 241.677 ug/l
 RT: 4.13 min Scan# 417
 Delta R.T. -0.01 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion	43	Resp	456998
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.8	40.2





#17

Carbon Disulfide

Concen: 45.468 ug/l

RT: 4.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

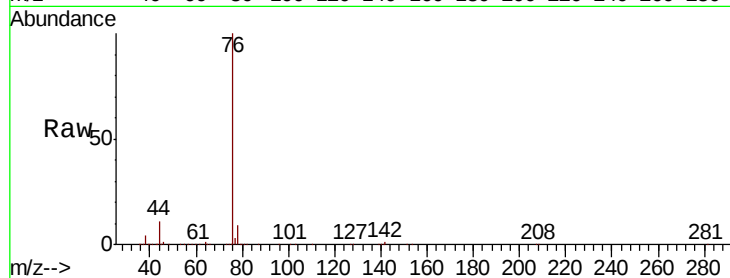
BFB

Tot Ion: 76 Resp: 1096074

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

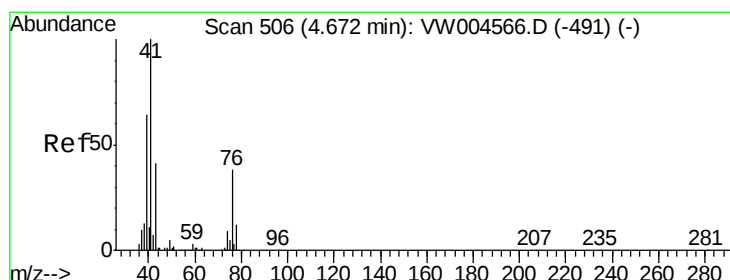
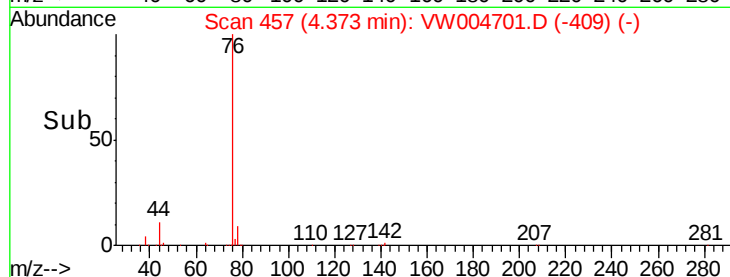
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 41.065 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: VW004701.D

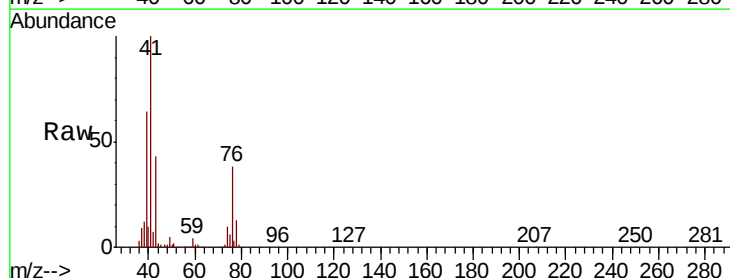
Acq: 15 Aug 2018 17:17

Tgt Ion: 43 Resp: 193628

Ion Ratio Lower Upper

43 100

74 24.1 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

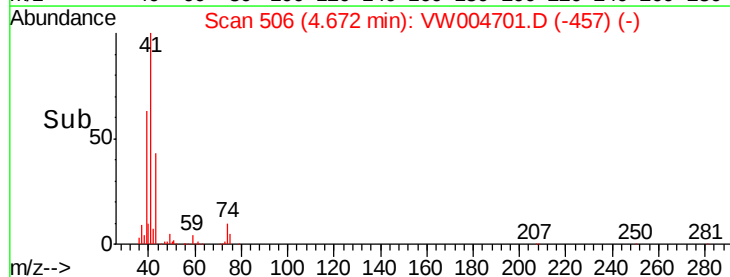
60000

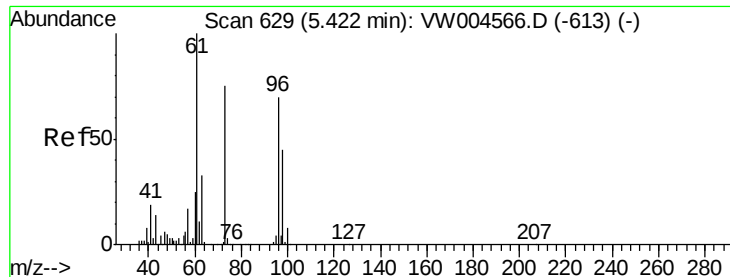
40000

20000

0

Time-->

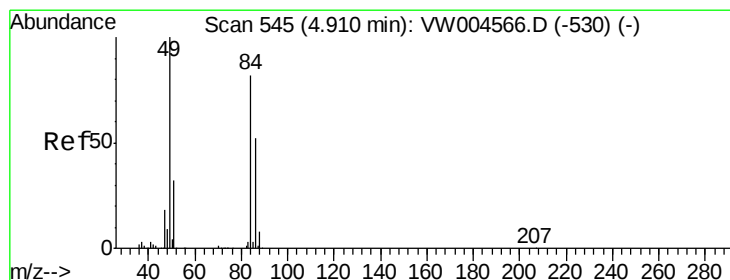
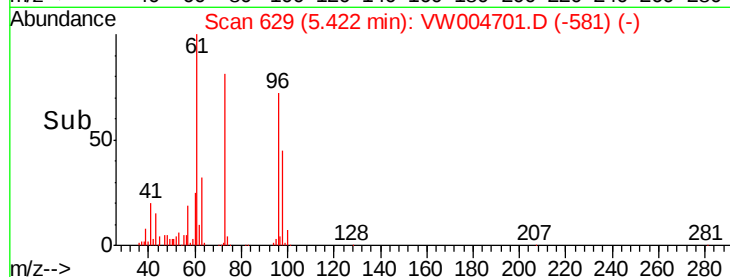
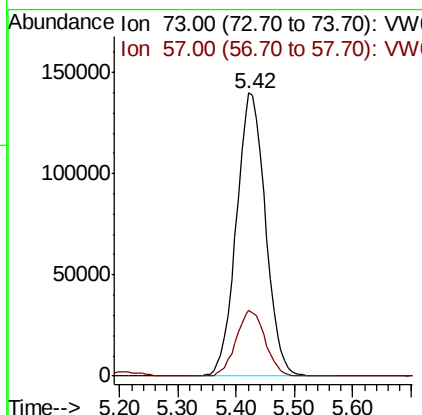
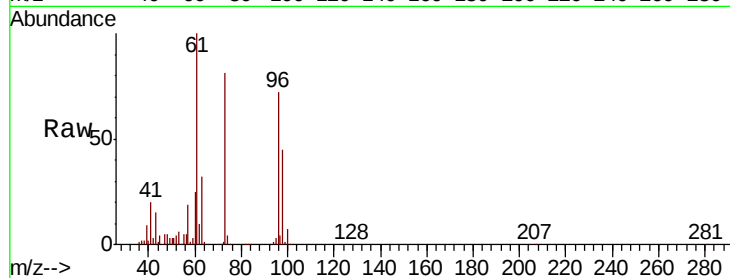




#19
Methyl tert-butyl Ether
Concen: 47.282 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

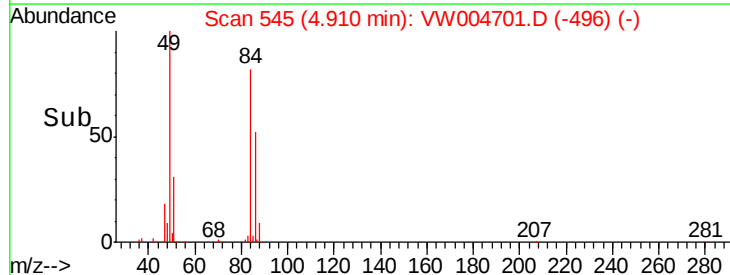
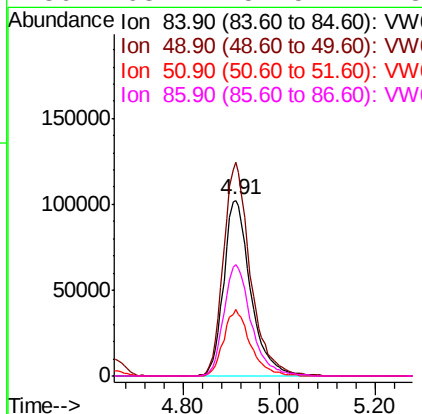
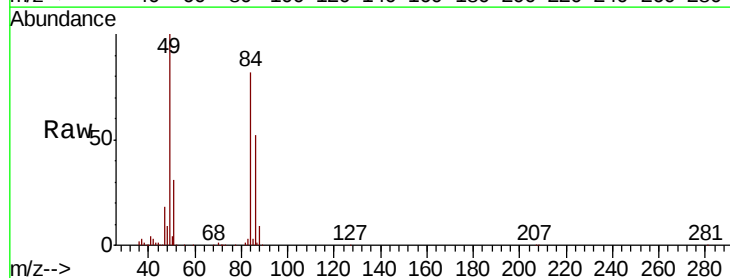
Instrument :
MSVOA_W
ClientSampleId :
BFB

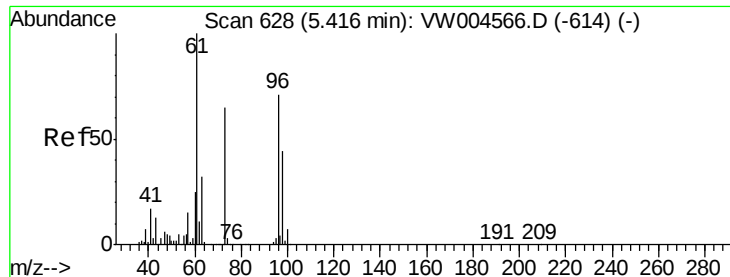
Tot Ion: 73 Resp: 483771
Ion Ratio Lower Upper
73 100
57 23.1 19.6 29.4



#20
Methylene Chloride
Concen: 41.764 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

Tgt Ion: 84 Resp: 399179
Ion Ratio Lower Upper
84 100
49 121.8 99.6 149.4
51 38.2 31.0 46.4
86 63.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.208 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

BFB

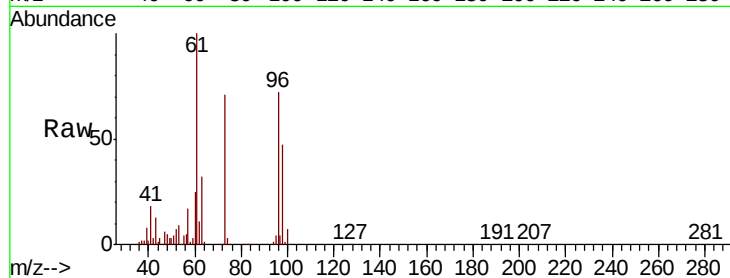
Tot Ion: 96 Resp: 389697

Ion Ratio Lower Upper

96 100

61 138.4 114.1 171.1

98 65.0 51.4 77.2



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

250000

200000

150000

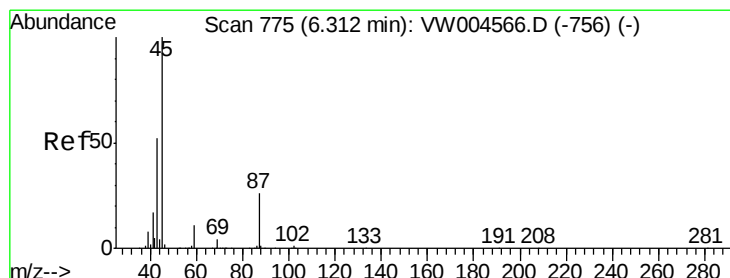
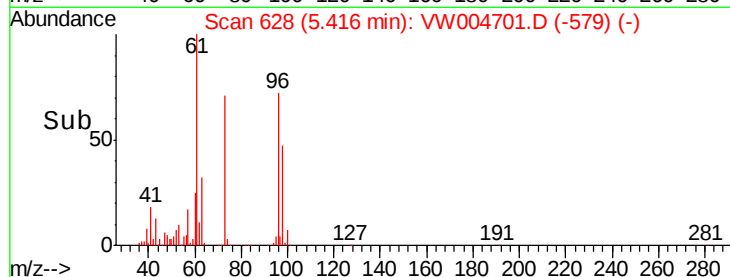
100000

50000

0

5.30 5.40 5.50

Time-->



#22

Diisopropyl ether

Concen: 48.188 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Tgt Ion: 45 Resp: 1116038

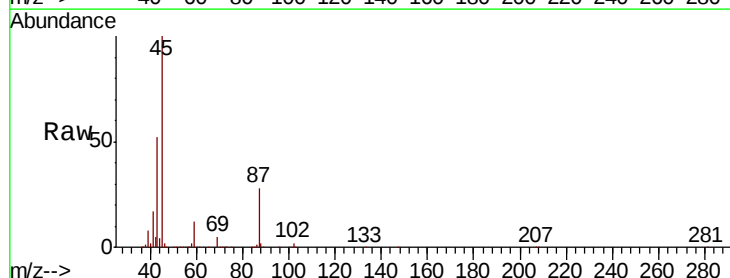
Ion Ratio Lower Upper

45 100

43 51.8 42.4 63.6

87 27.7 21.6 32.4

59 11.7 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

1500000

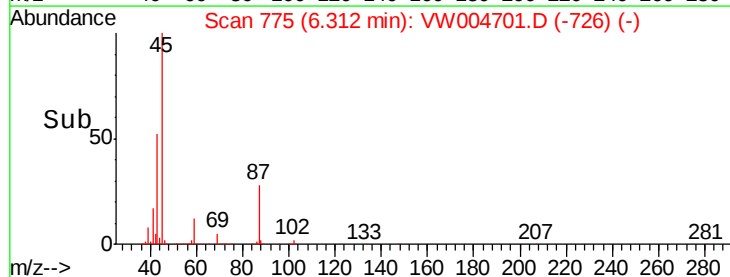
1000000

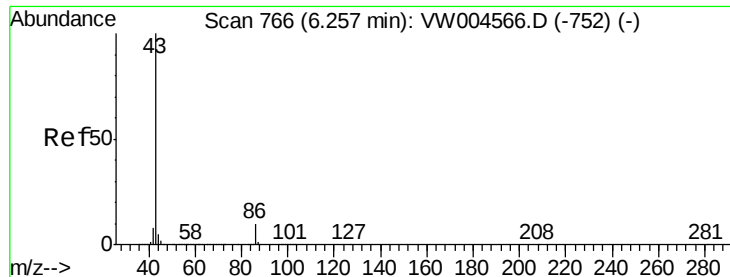
500000

0

6.10 6.20 6.30 6.40 6.50

Time-->

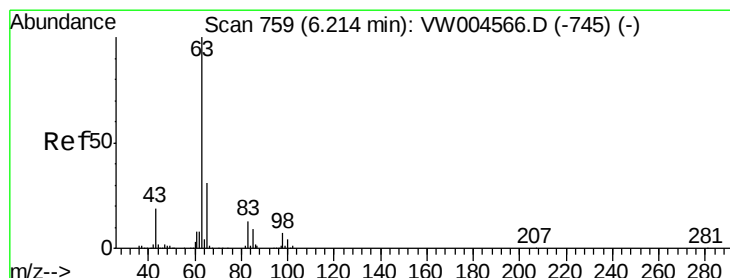
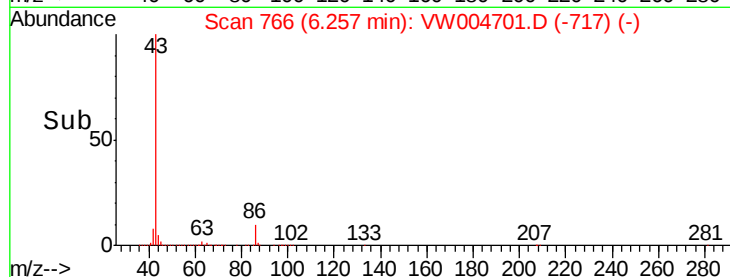
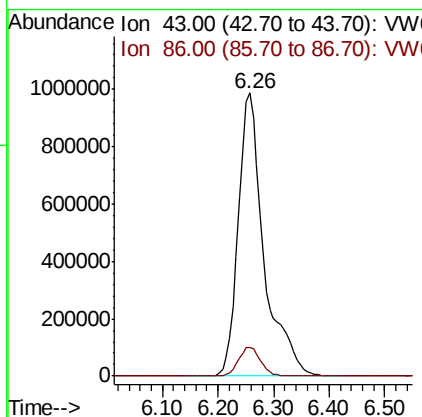
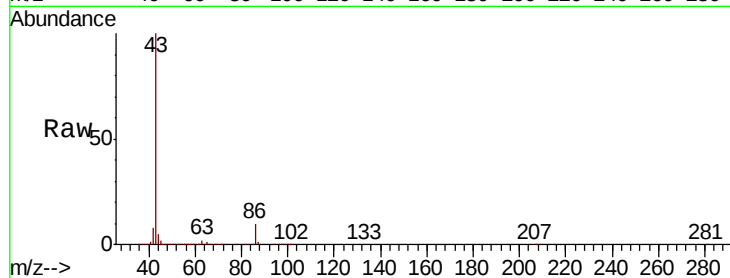




#23
 Vinyl Acetate
 Concen: 227.315 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

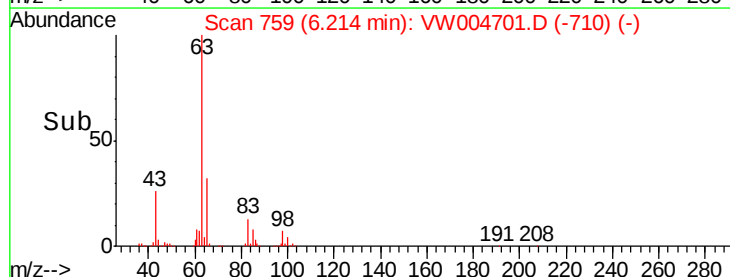
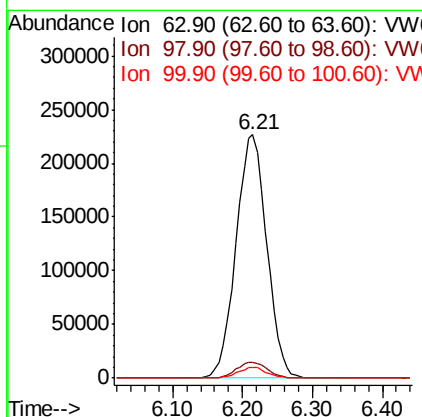
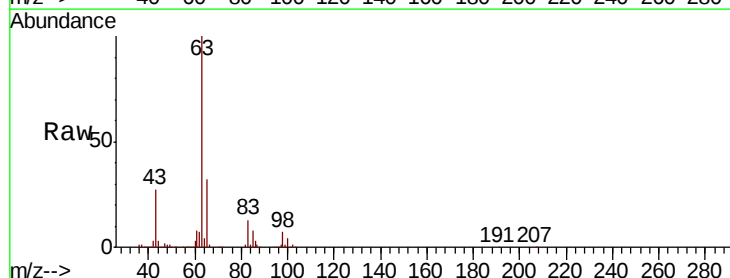
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

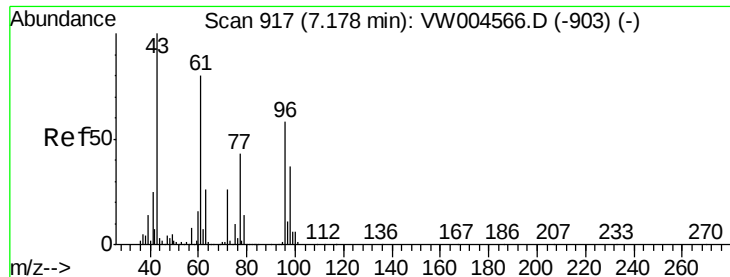
Tot Ion: 43 Resp: 3164048
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.9 11.9



#24
 1,1-Dichloroethane
 Concen: 46.520 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion: 63 Resp: 689620
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.1 9.3
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 215.026 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

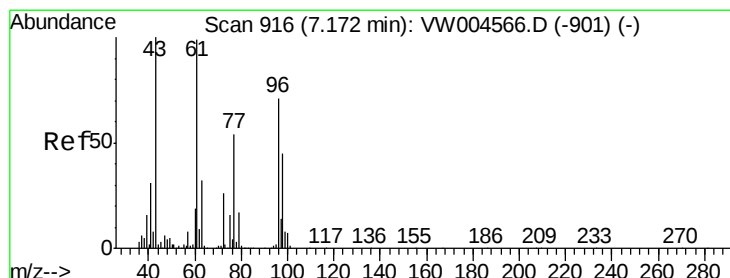
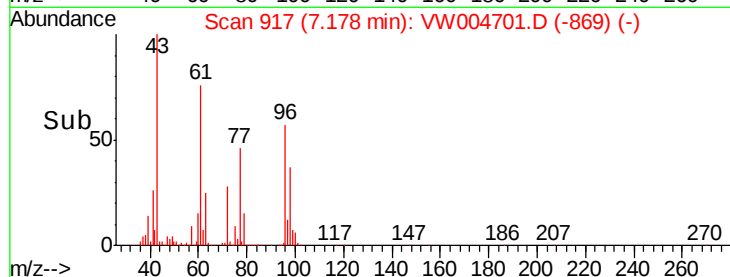
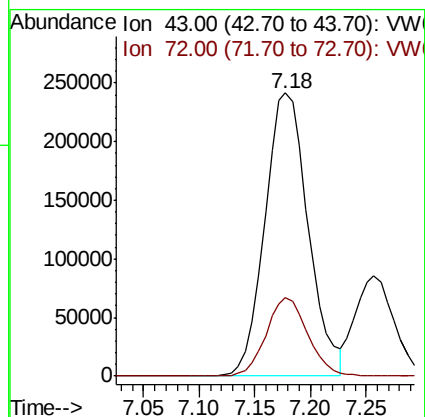
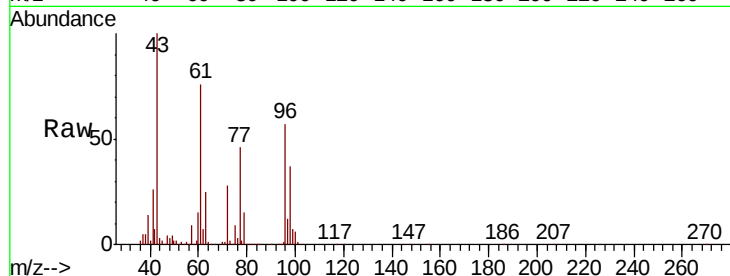
BFB

Tot Ion: 43 Resp: 654055

Ion Ratio Lower Upper

43 100

72 27.9 21.0 31.6



#26

2,2-Dichloropropane

Concen: 50.336 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004701.D

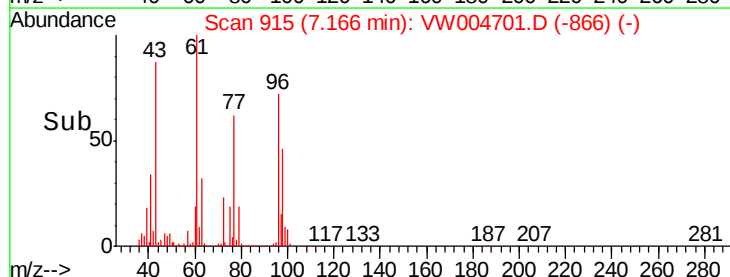
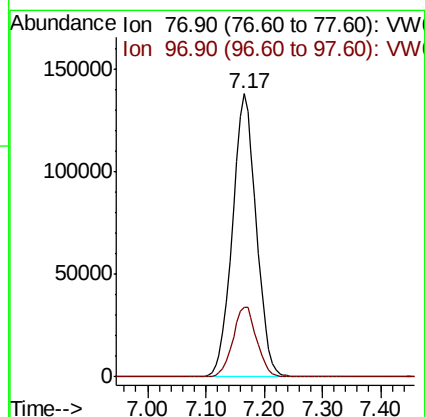
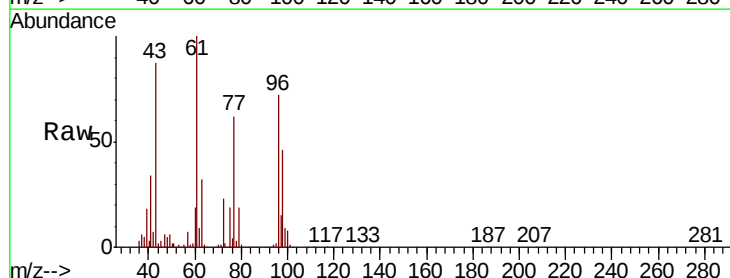
Acq: 15 Aug 2018 17:17

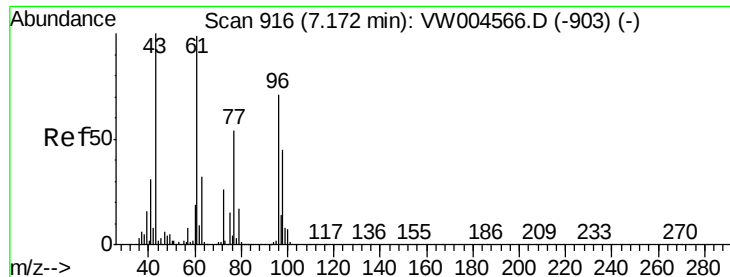
Tgt Ion: 77 Resp: 391635

Ion Ratio Lower Upper

77 100

97 24.7 12.5 37.5



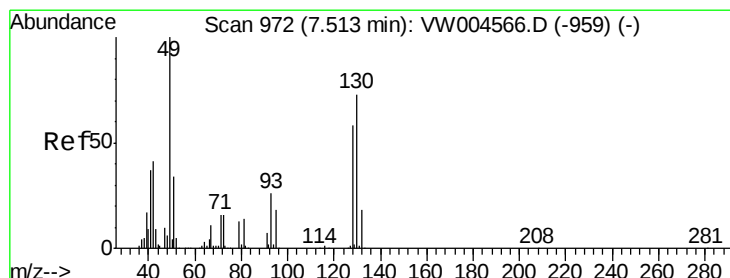
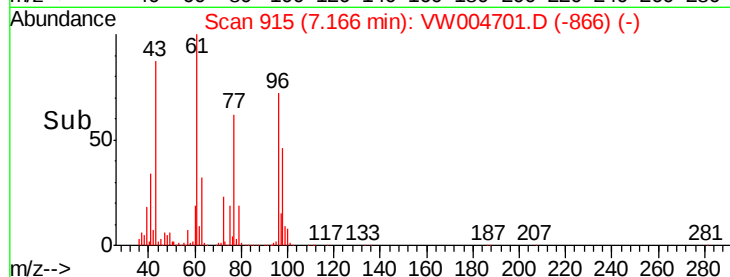
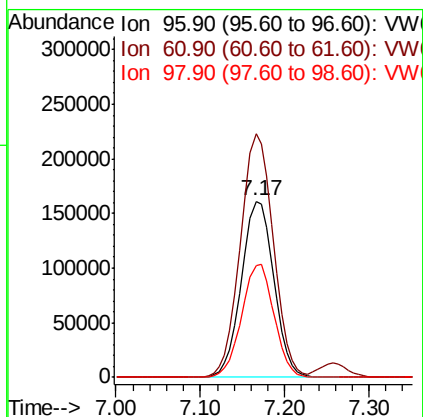
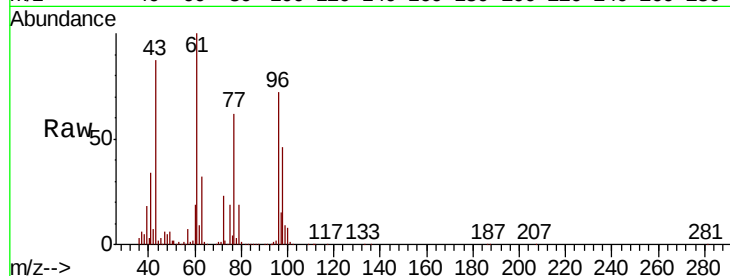


#27

cis-1,2-Dichloroethene
 Concen: 48.239 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

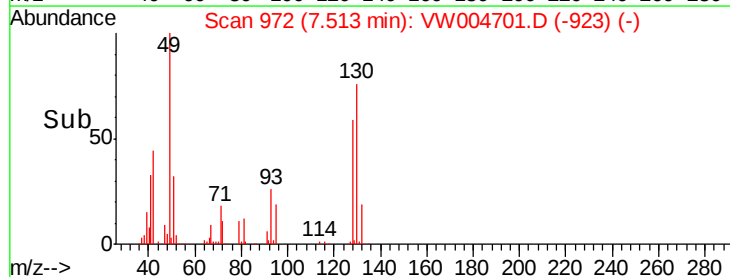
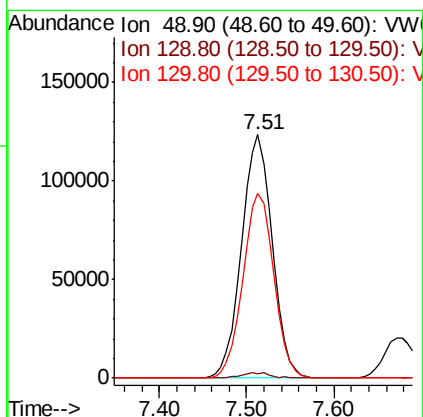
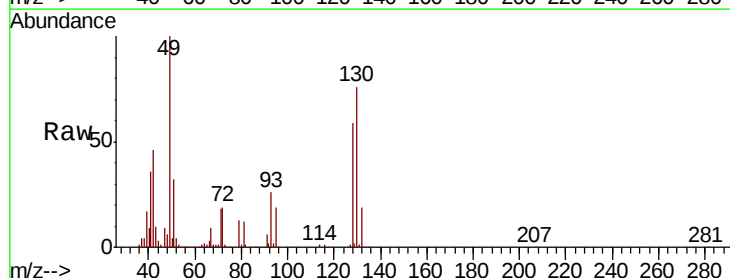
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	285.0
98	64.1	0.0	128.6

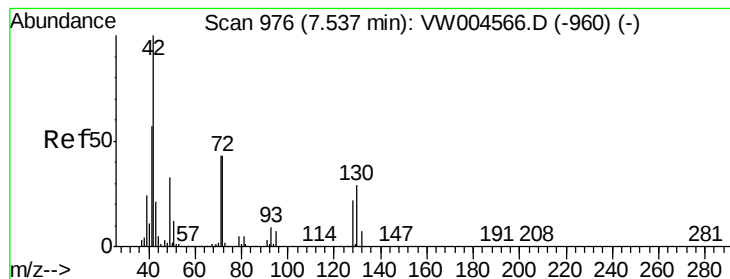


#28

Bromochloromethane
 Concen: 46.669 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	76.4	58.8	88.2





#29

Tetrahydrofuran

Concen: 206.811 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

BFB

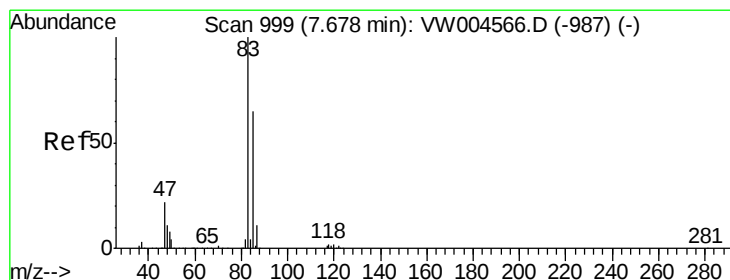
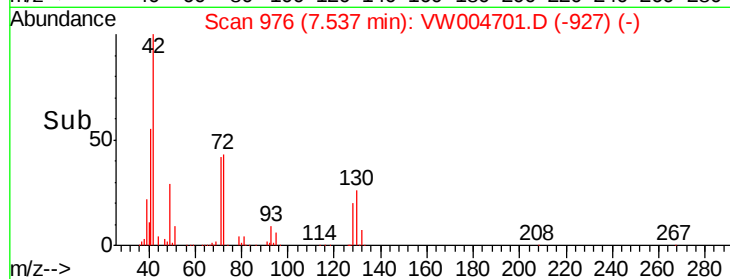
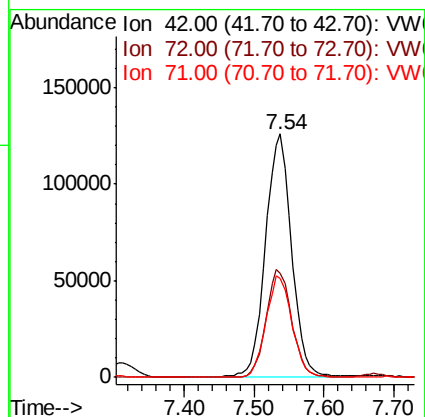
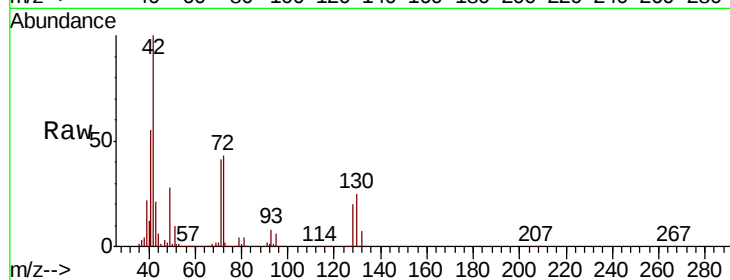
Tot Ion: 42 Resp: 325212

Ion Ratio Lower Upper

42 100

72 43.8 34.1 51.1

71 41.6 32.5 48.7



#30

Chloroform

Concen: 46.868 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004701.D

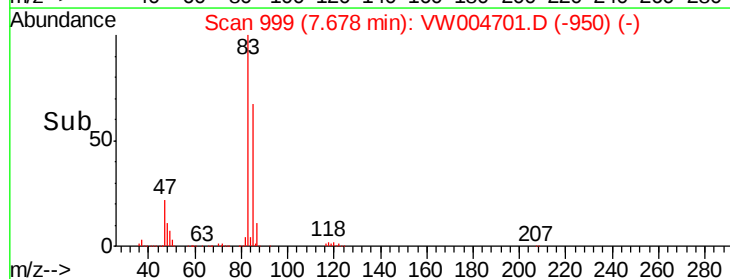
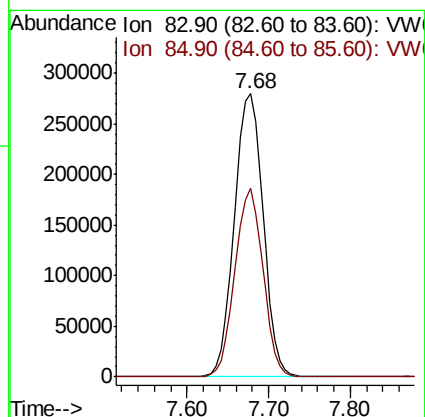
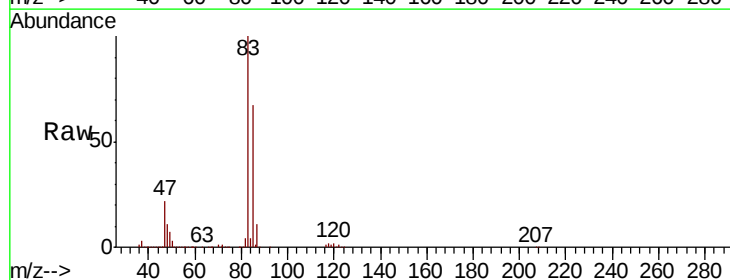
Acq: 15 Aug 2018 17:17

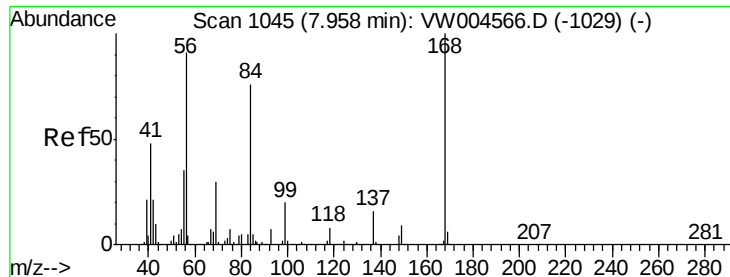
Tgt Ion: 83 Resp: 682417

Ion Ratio Lower Upper

83 100

85 66.6 51.3 76.9

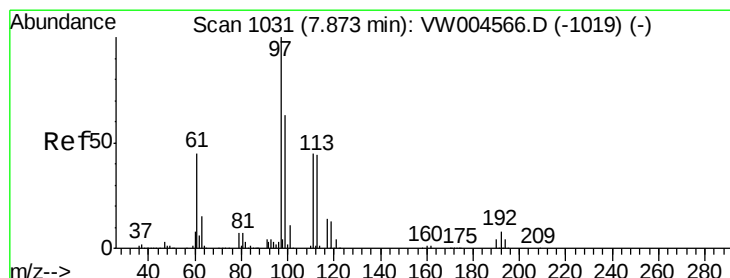
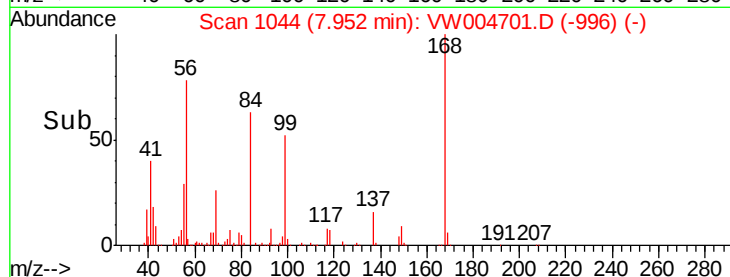
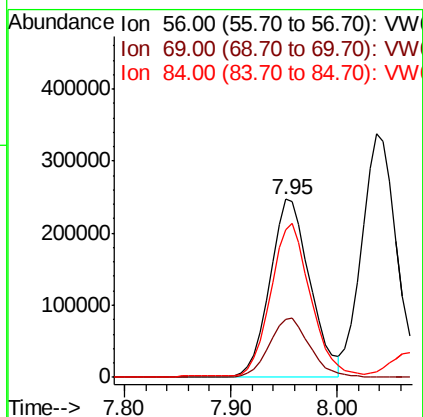
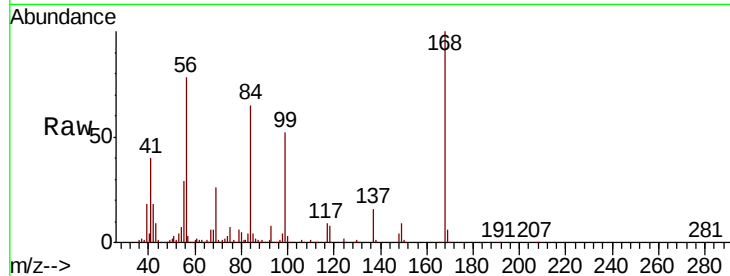




#31
Cyclohexane
Concen: 45.589 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

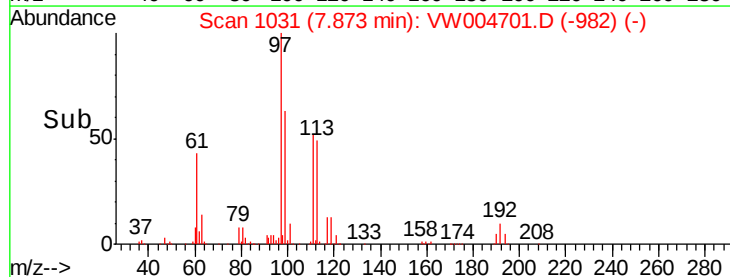
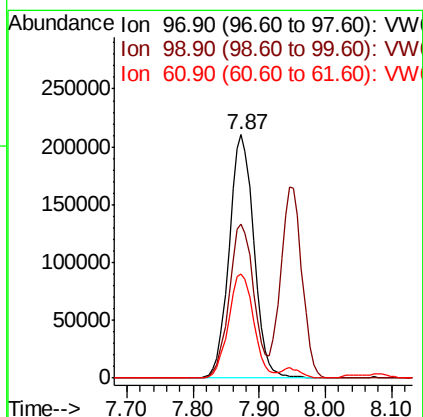
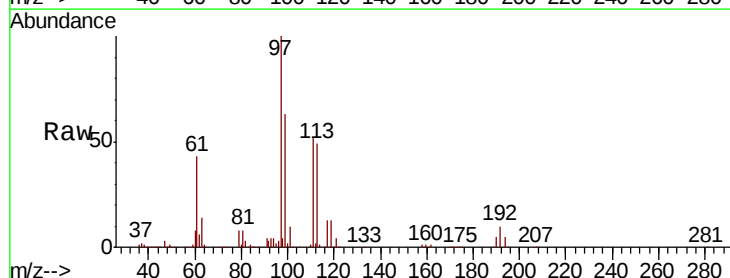
Instrument :
MSVOA_W
ClientSampled :
BFB

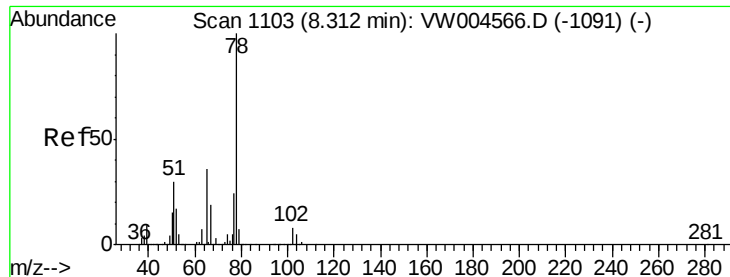
Tot Ion: 56 Resp: 646623
Ion Ratio Lower Upper
56 100
69 32.6 26.4 39.6
84 81.9 66.9 100.3



#32
1,1,1-Trichloroethane
Concen: 49.815 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

Tgt Ion: 97 Resp: 544836
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 43.5 35.7 53.5





#33

1,2-Dichloroethane-d4

Concen: 45.117 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

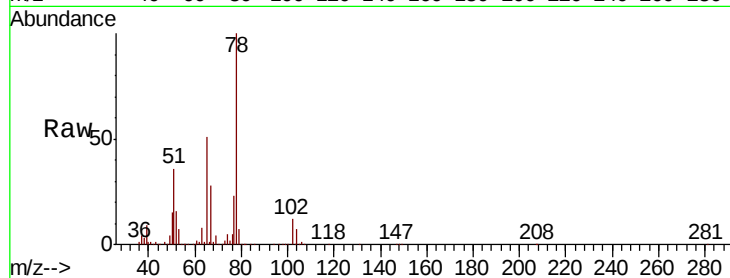
BFB

Tot Ion: 65 Resp: 341620

Ion Ratio Lower Upper

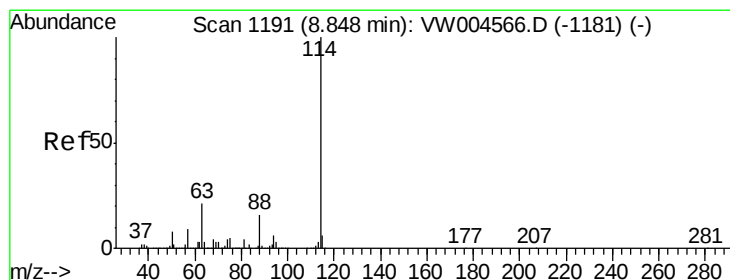
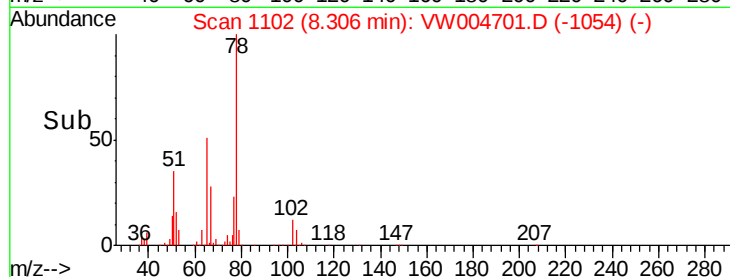
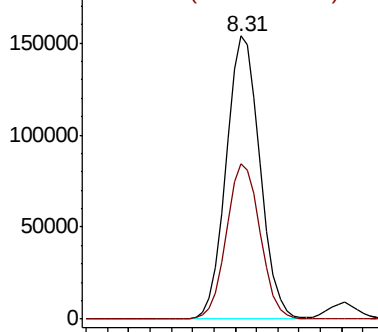
65 100

67 55.1 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

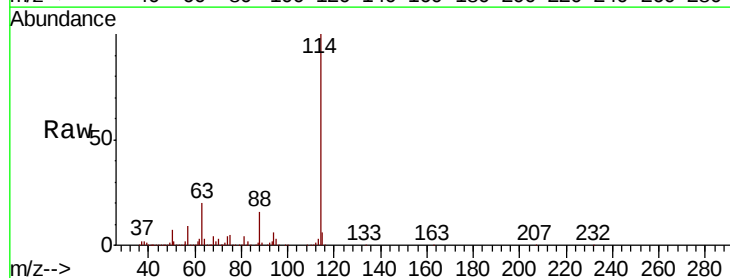
Tgt Ion: 114 Resp: 1005100

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

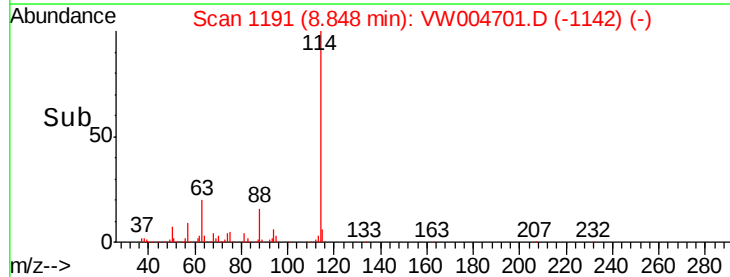
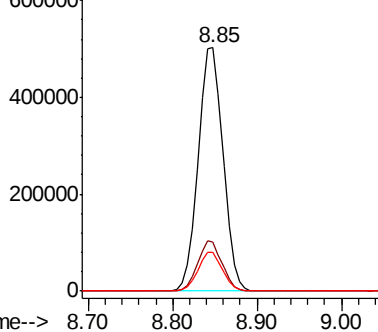
88 15.8 0.0 31.2

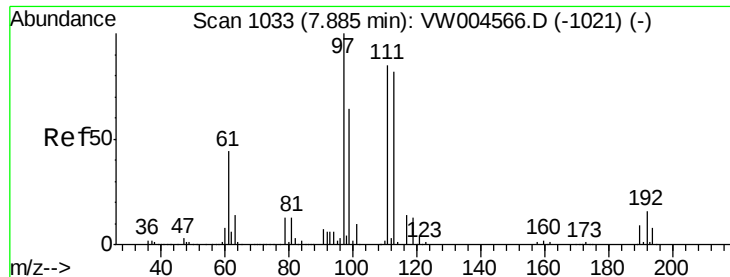


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

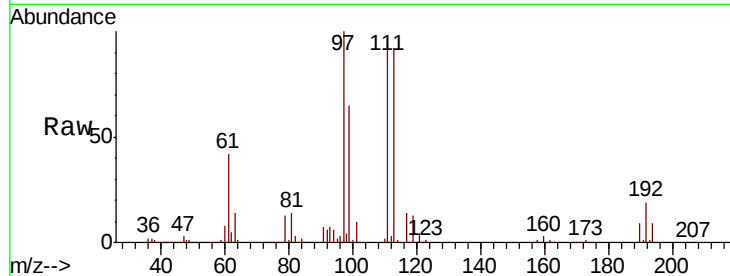




#35
 Dibromofluoromethane
 Concen: 51.637 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	21.0	15.8	23.6

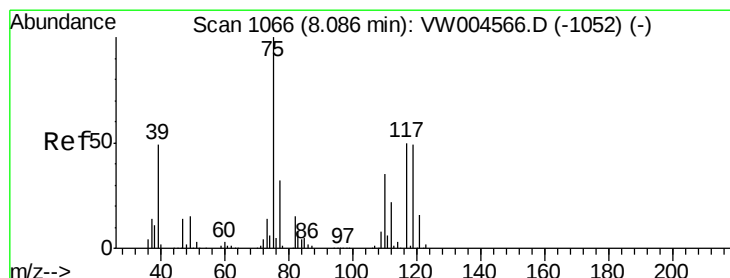
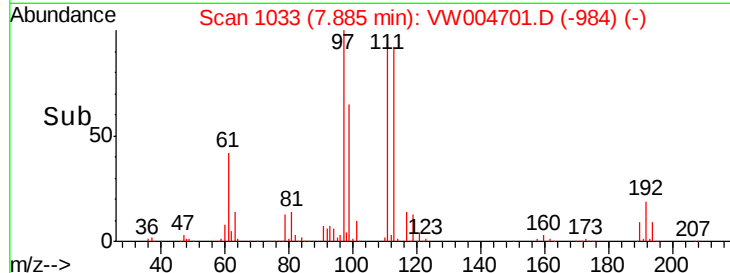
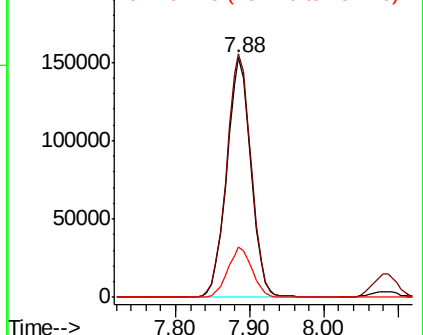


Abundance

Ion 112.80 (112.50 to 113.50): V

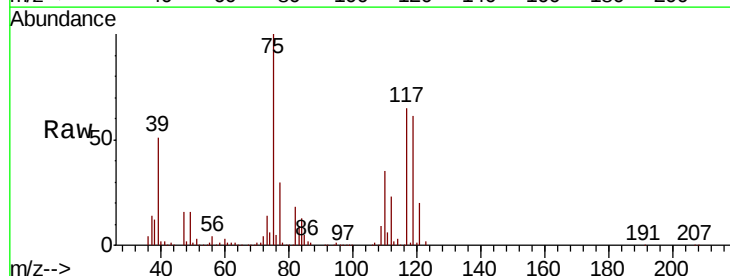
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 50.670 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.4	52.2
77	31.1	24.7	37.1

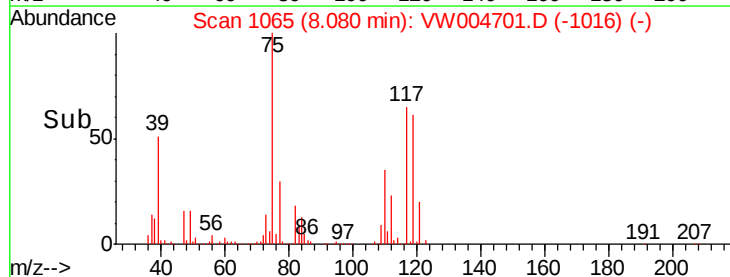
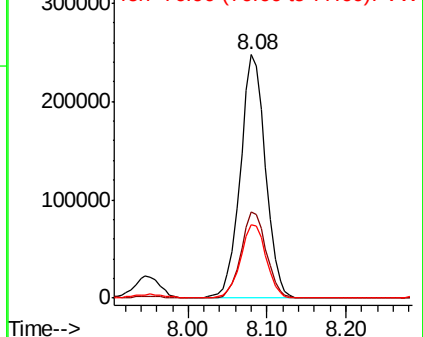


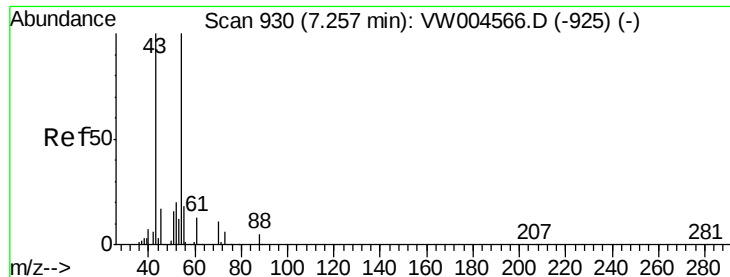
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

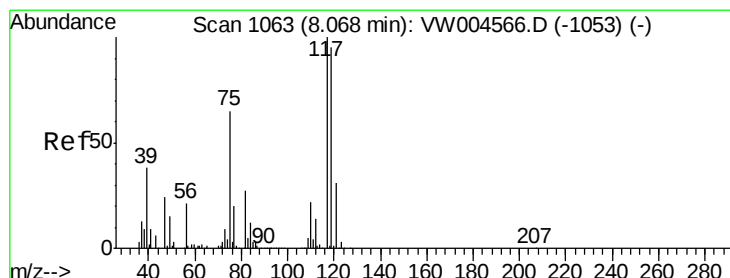
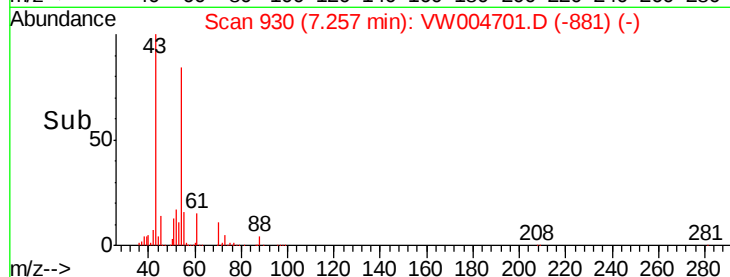
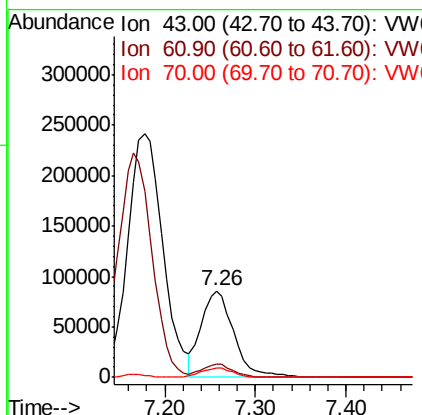
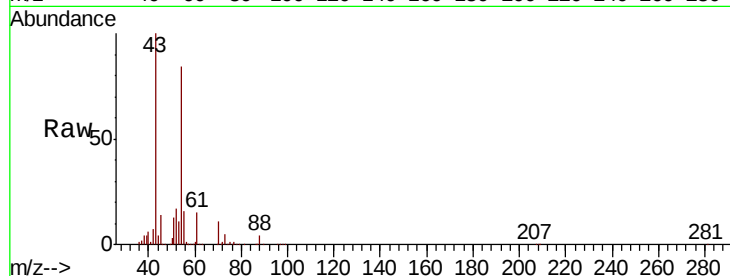




#37
Ethyl Acetate
Concen: 42.361 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

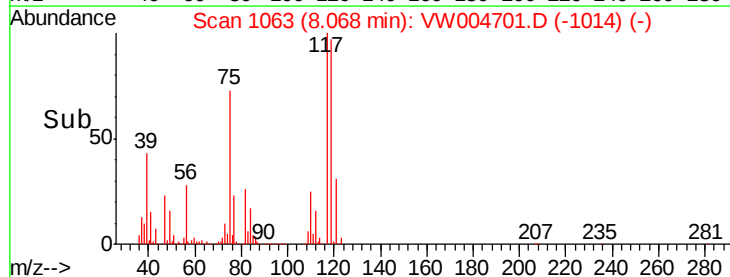
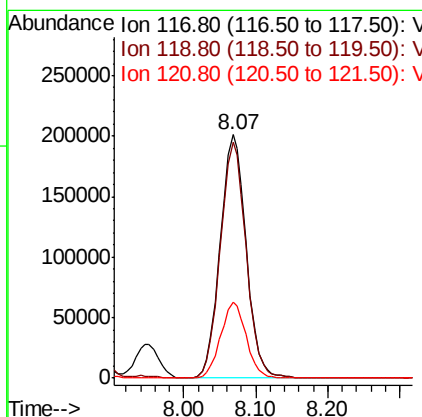
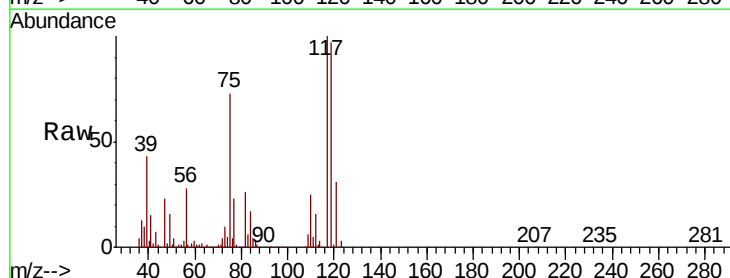
Instrument :
MSVOA_W
ClientSampleId :
BFB

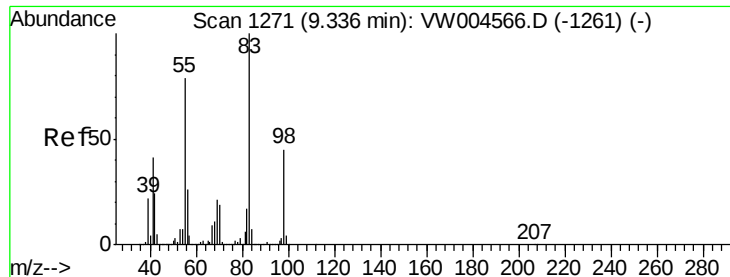
Tot Ion: 43 Resp: 214708
Ion Ratio Lower Upper
43 100
61 14.3 11.9 17.9
70 10.7 8.2 12.4



#38
Carbon Tetrachloride
Concen: 51.787 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

Tgt Ion: 117 Resp: 504328
Ion Ratio Lower Upper
117 100
119 97.0 76.1 114.1
121 31.3 24.2 36.4

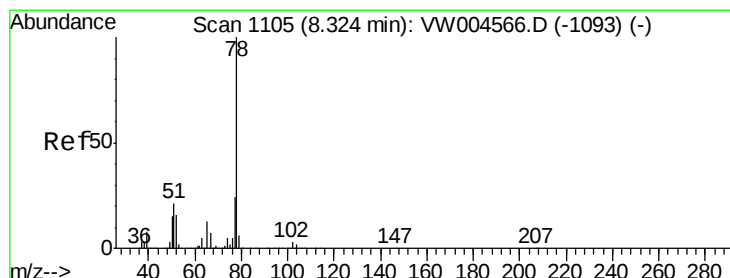
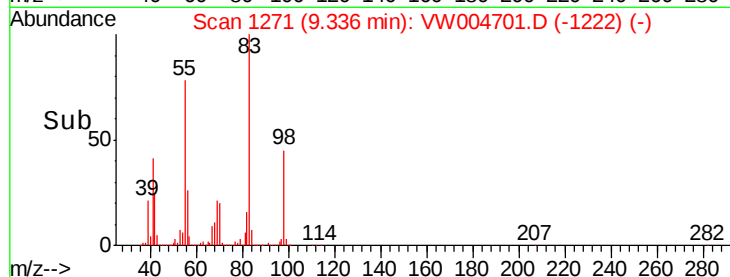
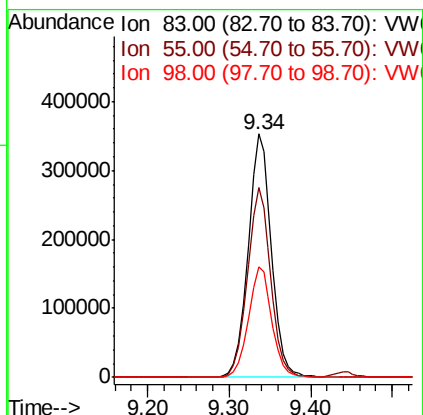
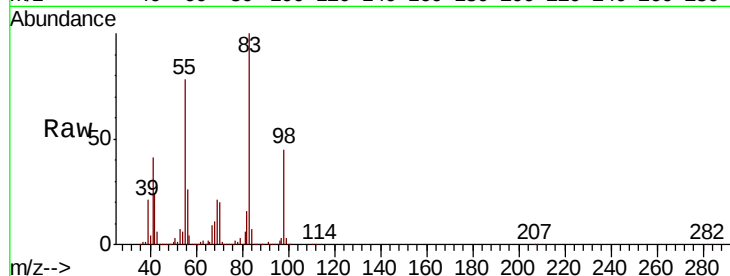




#39
Methvlcvclohexane
Concen: 52.785 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

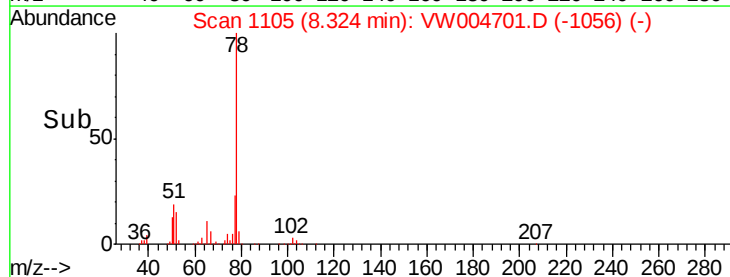
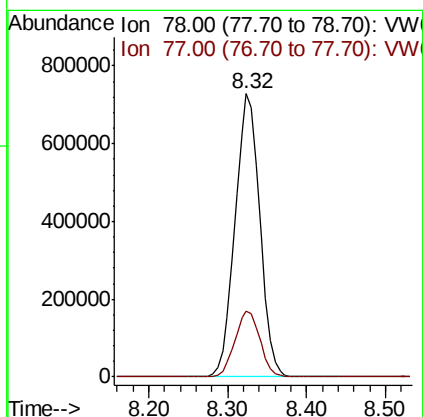
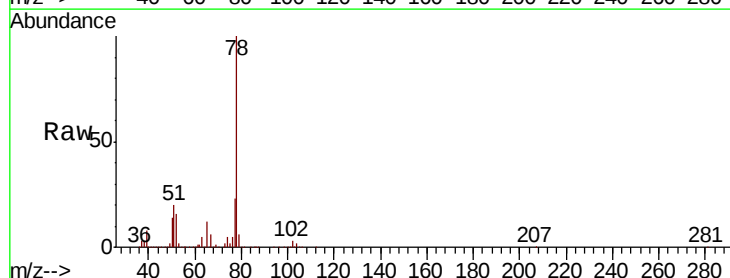
Instrument :
MSVOA_W
ClientSampleId :
BFB

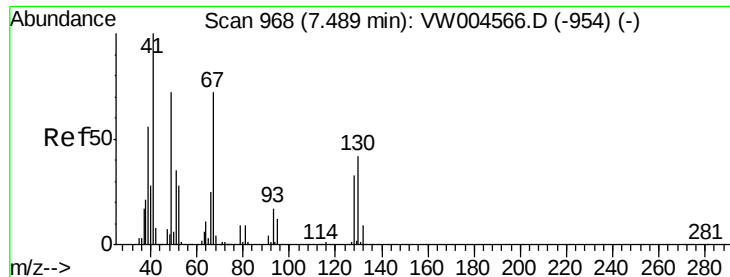
Tot Ion: 83 Resp: 700185
Ion Ratio Lower Upper
83 100
55 78.2 62.5 93.7
98 45.2 35.4 53.2



#40
Benzene
Concen: 50.056 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

Tgt Ion: 78 Resp: 1590782
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6

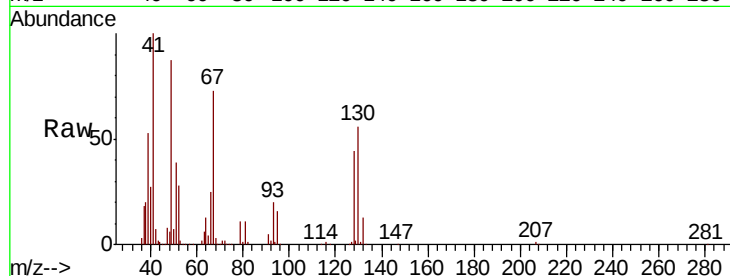




#41
Methacrylonitrile
Concen: 46.572 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tot Ion:	41	Resp:	131841
Ion	Ratio	Lower	Upper
41	100		
39	52.0	46.2	69.2
67	74.3	60.8	91.2
52	29.0	23.8	35.6



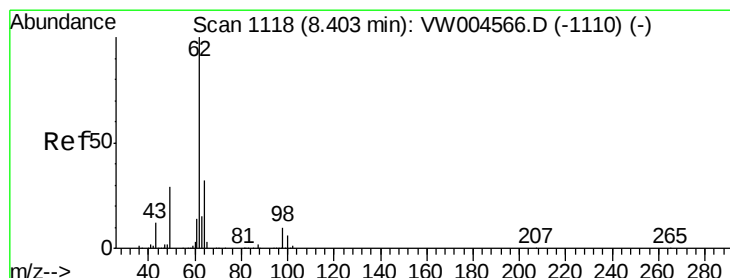
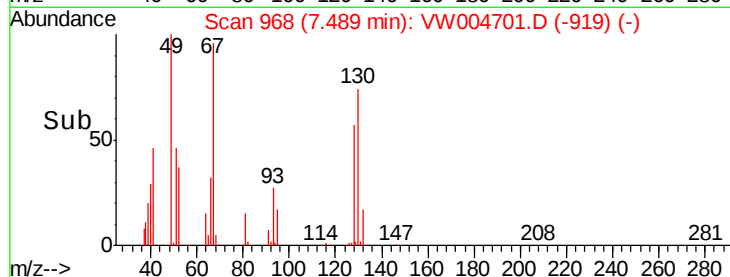
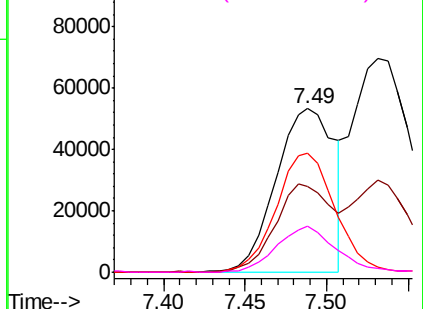
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

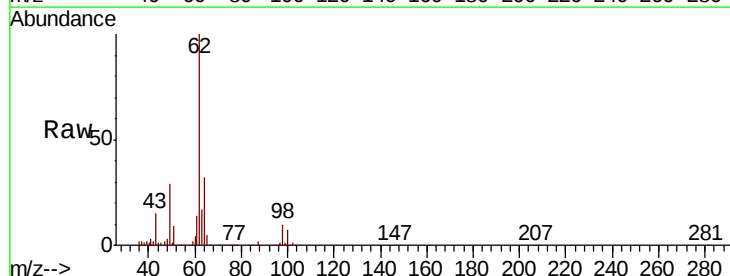
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 46.251 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

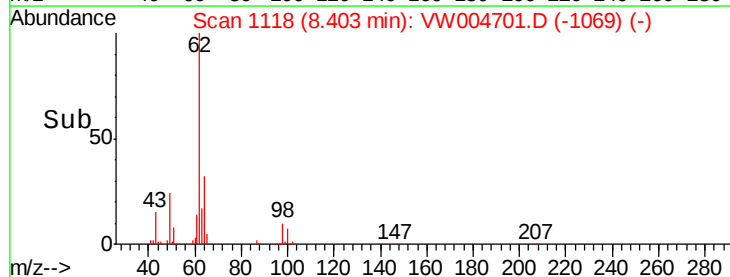
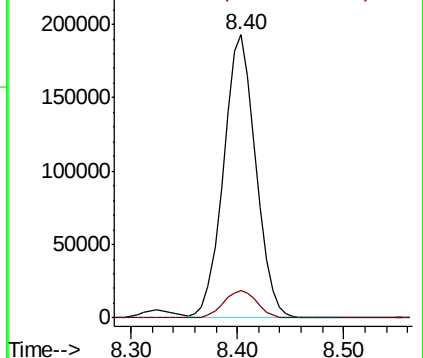
Tgt Ion:	62	Resp:	406666
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6

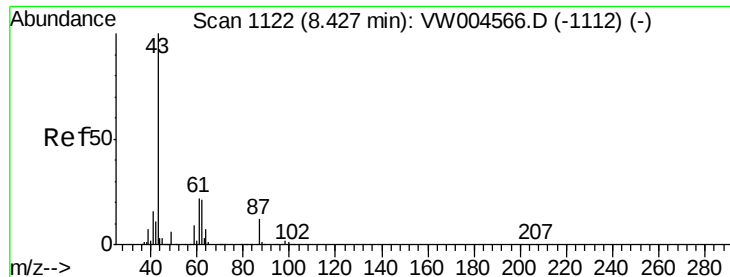


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 44.192 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

BFB

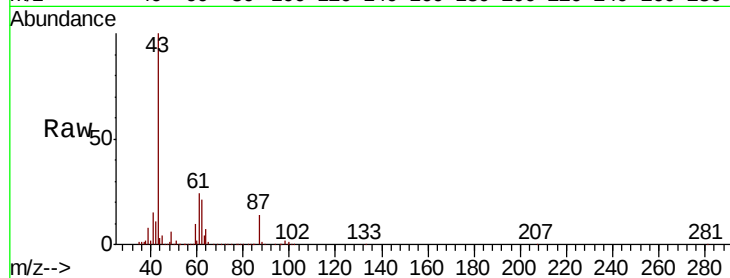
Tot Ion: 43 Resp: 390432

Ion Ratio Lower Upper

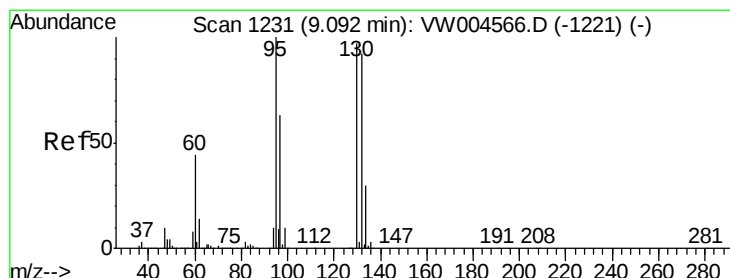
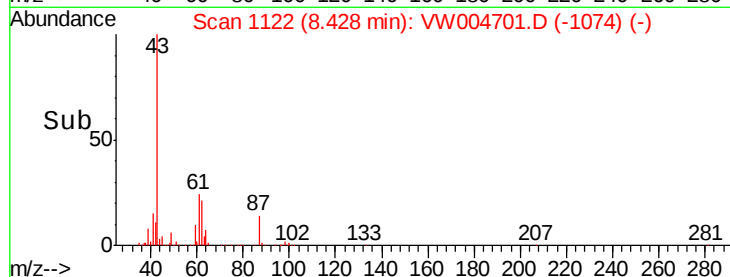
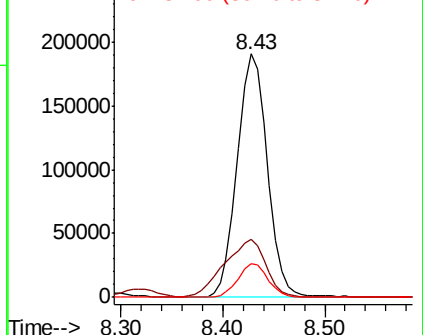
43 100

61 32.7 25.2 37.8

87 13.7 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 50.880 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004701.D

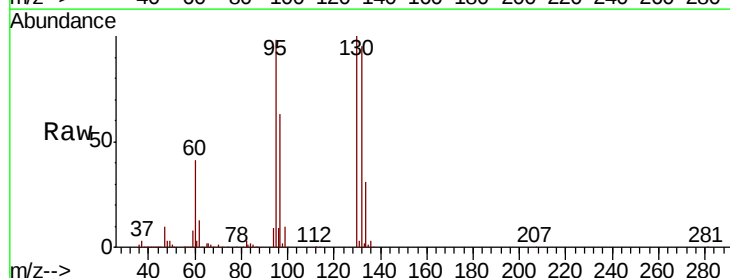
Acq: 15 Aug 2018 17:17

Tgt Ion:130 Resp: 397333

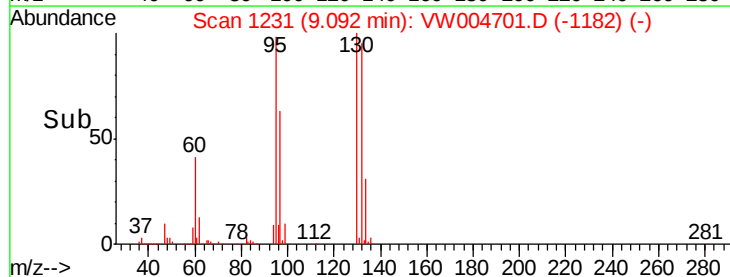
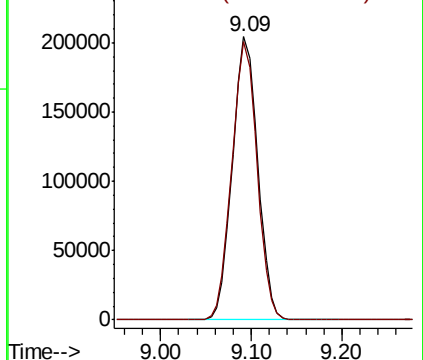
Ion Ratio Lower Upper

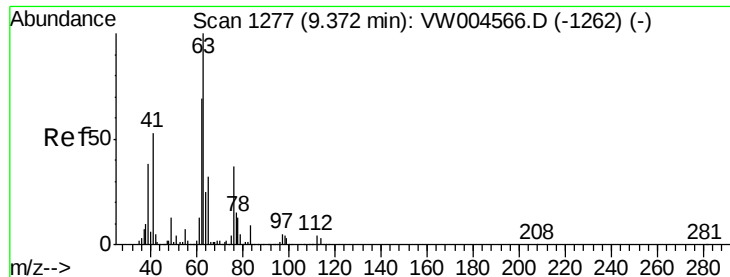
130 100

95 98.4 0.0 196.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

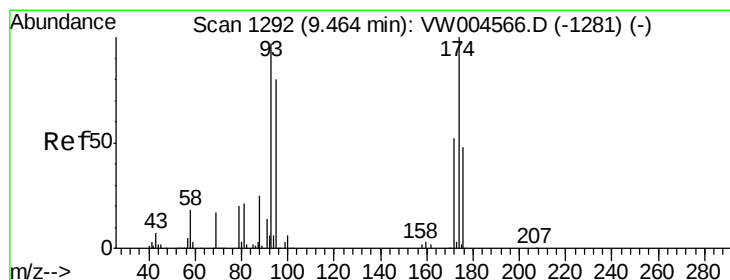
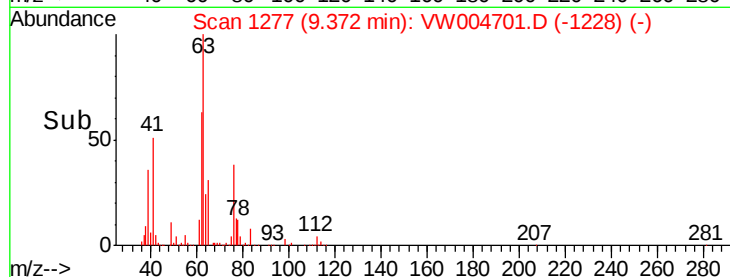
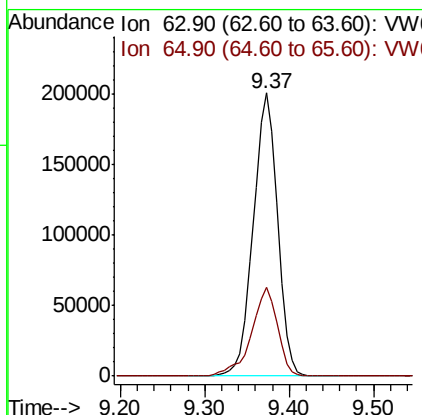
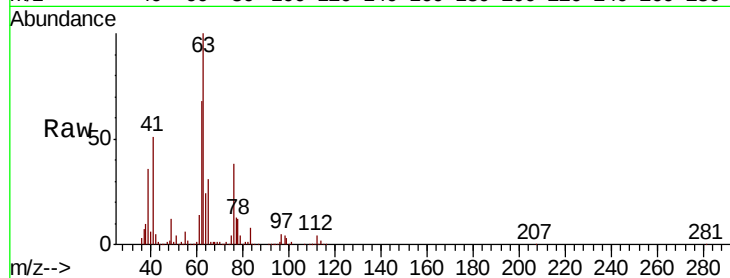




#45
 1,2-Dichloropropane
 Concen: 49.323 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

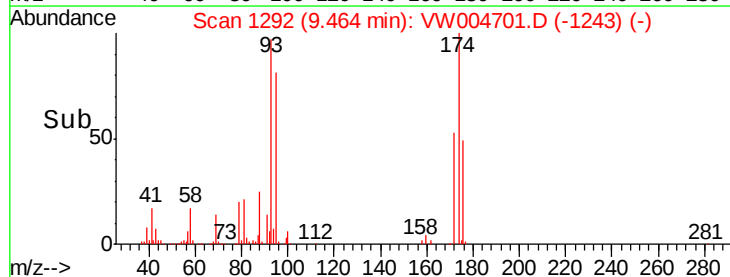
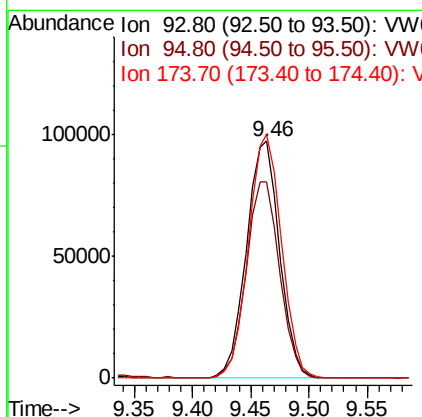
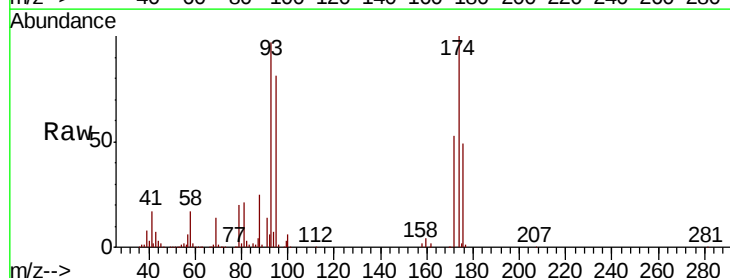
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

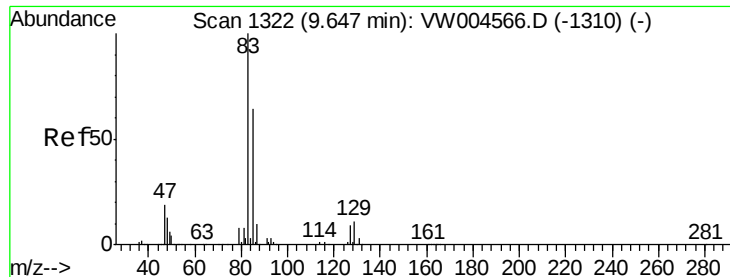
Tot Ion: 63 Resp: 392544
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.5 36.7



#46
 Dibromomethane
 Concen: 47.664 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion: 93 Resp: 193111
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.0 100.4
 174 102.6 80.2 120.4





#47

Bromodichloromethane

Concen: 48.547 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

BFB

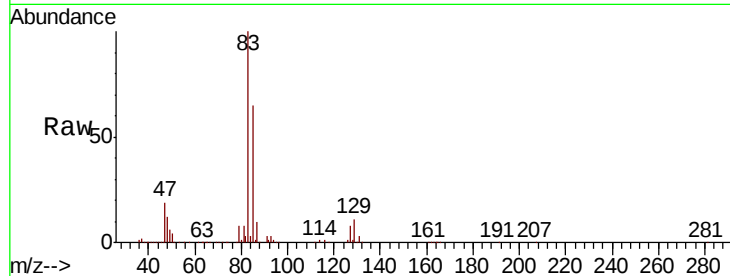
Tot Ion: 83 Resp: 464277

Ion Ratio Lower Upper

83 100

85 65.1 50.7 76.1

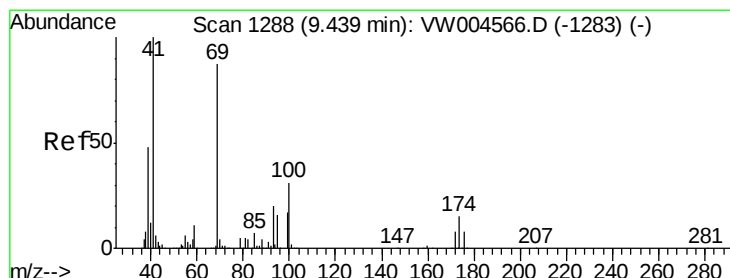
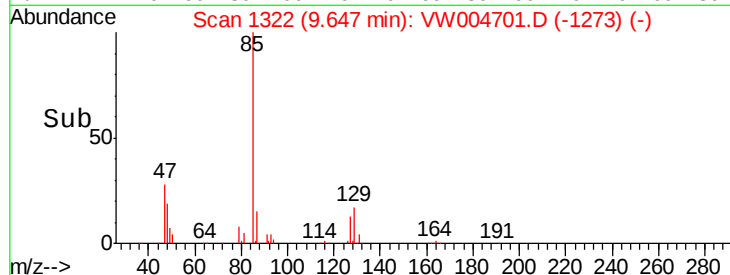
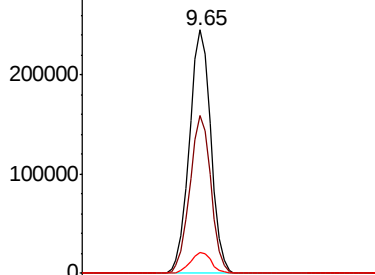
127 8.3 6.5 9.7



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: 46.119 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

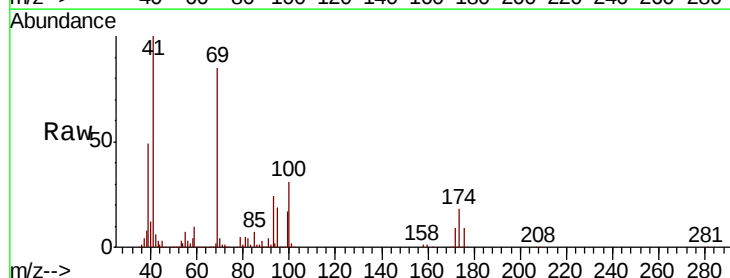
Tgt Ion: 41 Resp: 190438

Ion Ratio Lower Upper

41 100

69 92.5 73.2 109.8

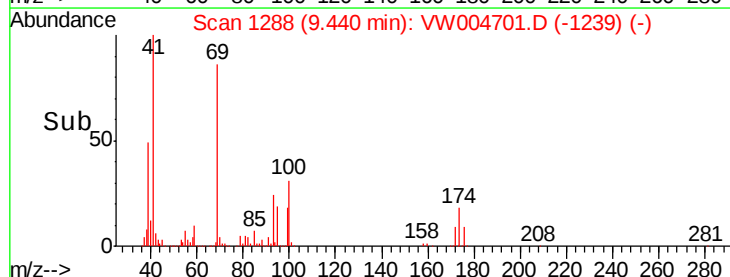
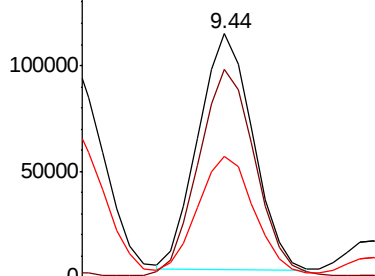
39 49.9 40.6 60.8

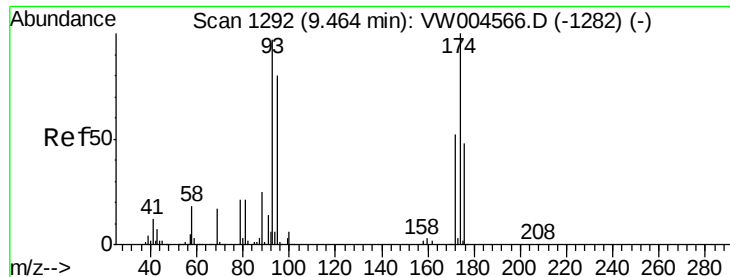


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 982.305 ug/l

RT: 9.47 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

BFB

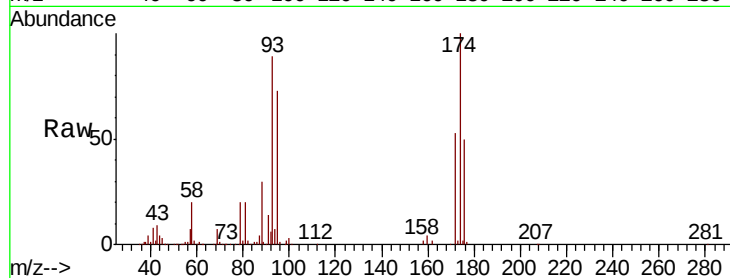
Tot Ion: 88 Resp: 60718

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

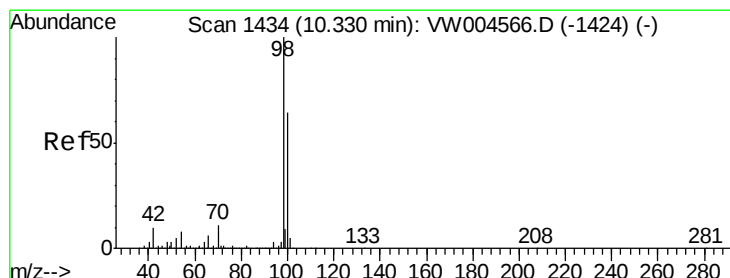
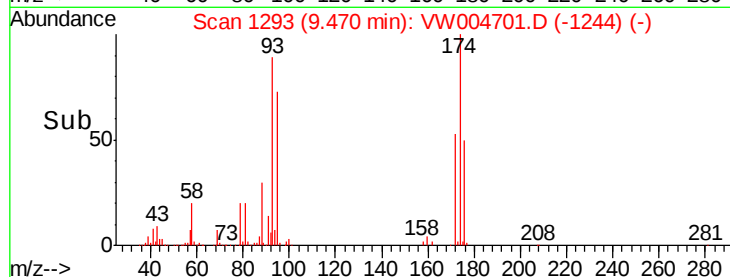
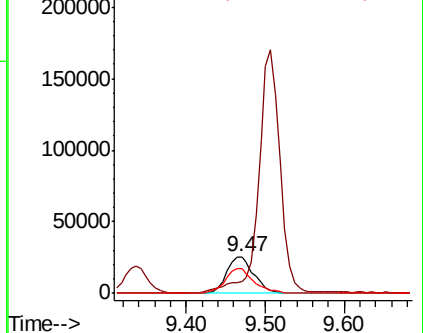
58 73.8 63.5 95.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.104 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004701.D

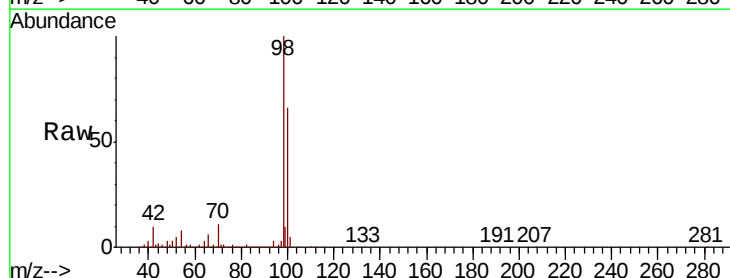
Acq: 15 Aug 2018 17:17

Tgt Ion: 98 Resp: 1356766

Ion Ratio Lower Upper

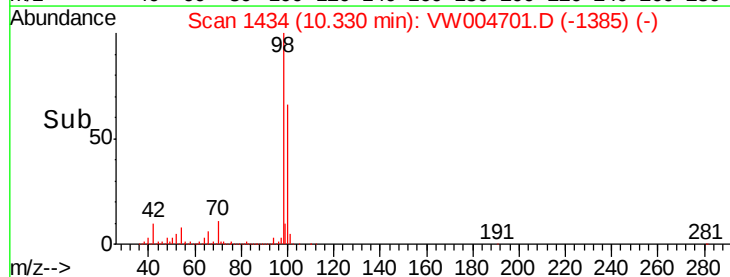
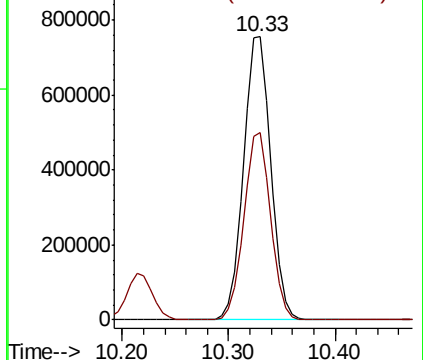
98 100

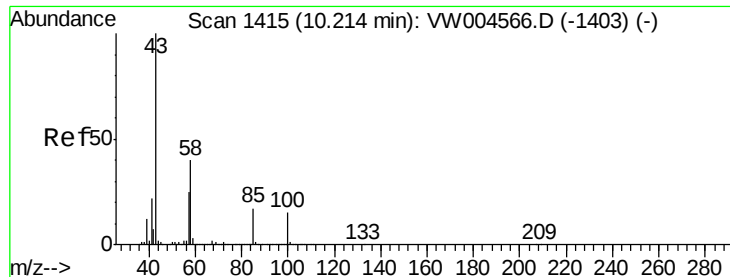
100 64.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 225.098 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

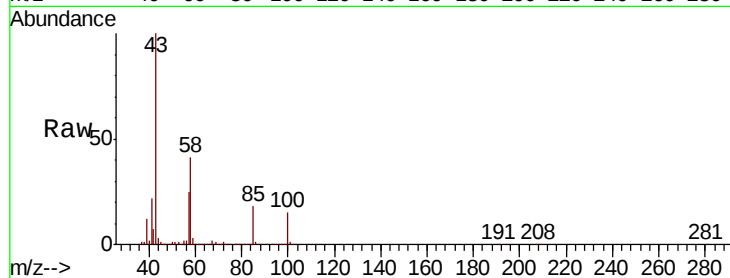
BFB

Tot Ion: 43 Resp: 1384297

Ion Ratio Lower Upper

43 100

58 40.4 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

800000

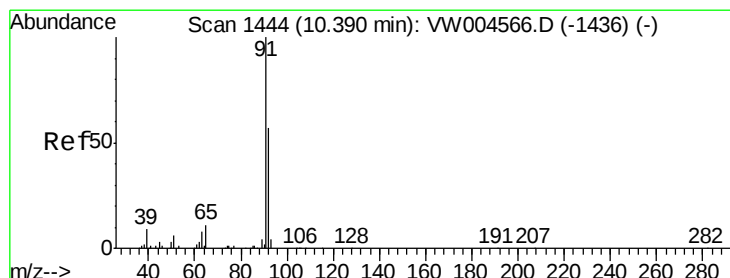
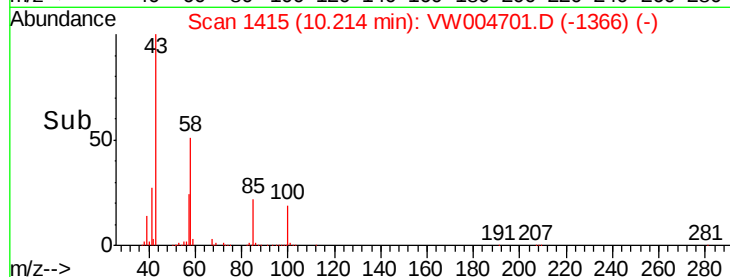
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.059 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004701.D

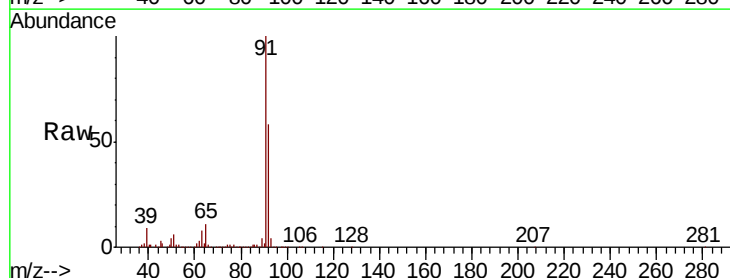
Acq: 15 Aug 2018 17:17

Tgt Ion: 92 Resp: 975586

Ion Ratio Lower Upper

92 100

91 171.5 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

1000000

800000

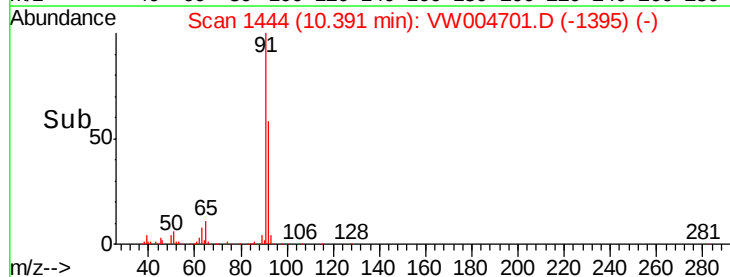
600000

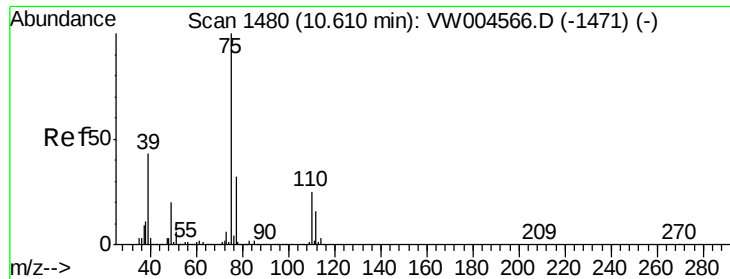
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.093 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

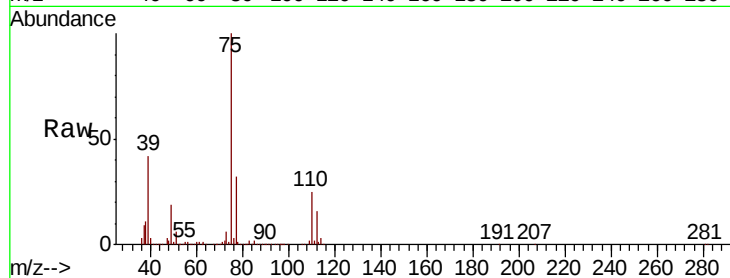
BFB

Tot Ion: 75 Resp: 471425

Ion Ratio Lower Upper

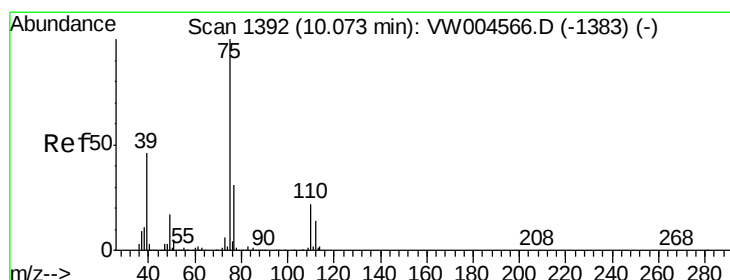
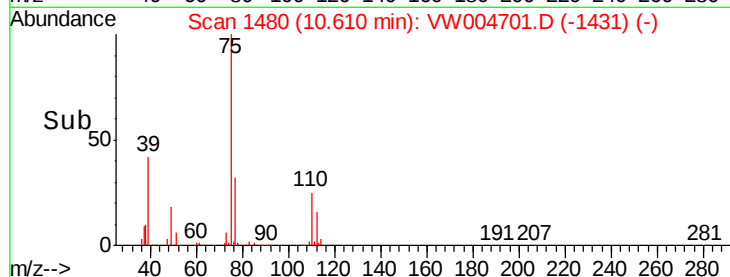
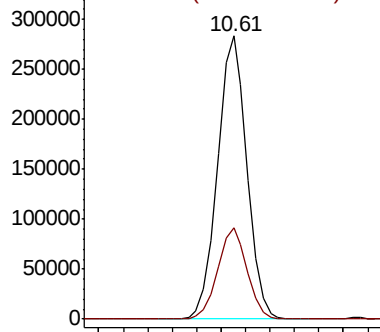
75 100

77 32.1 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 50.476 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

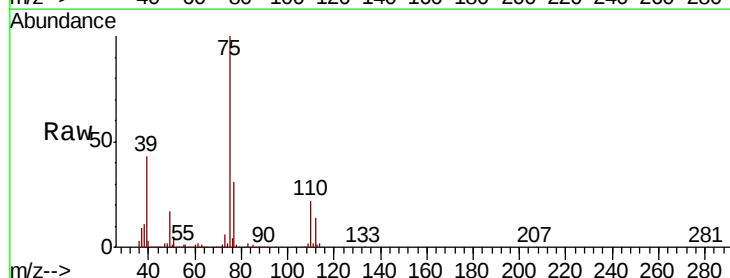
Tgt Ion: 75 Resp: 564876

Ion Ratio Lower Upper

75 100

77 30.6 25.3 37.9

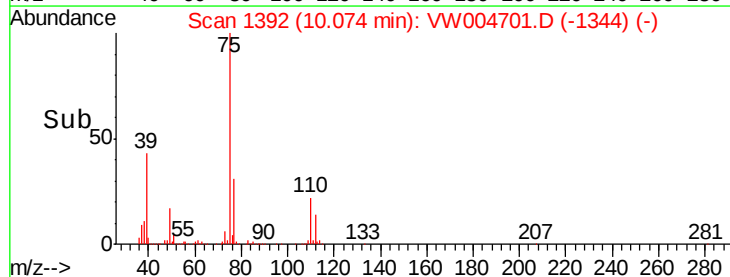
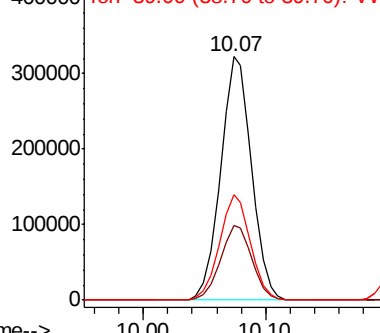
39 43.0 34.5 51.7

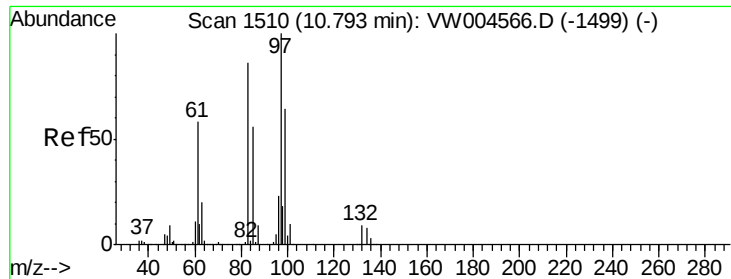


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

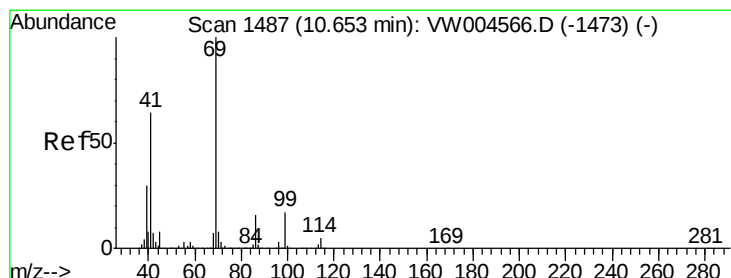
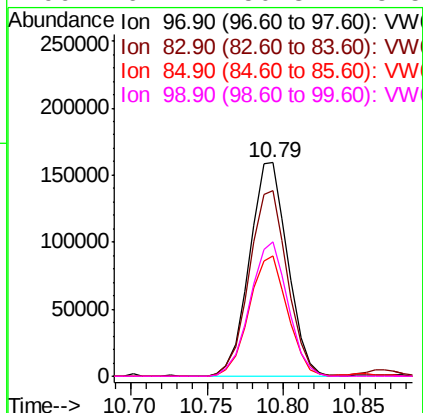
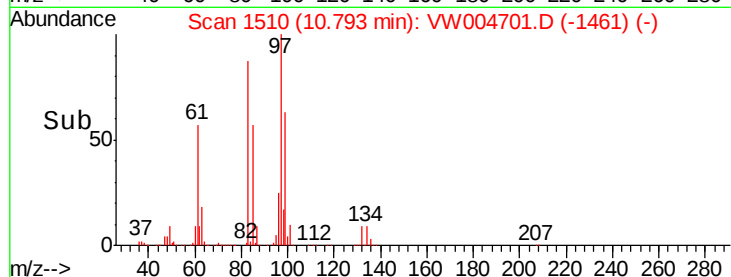
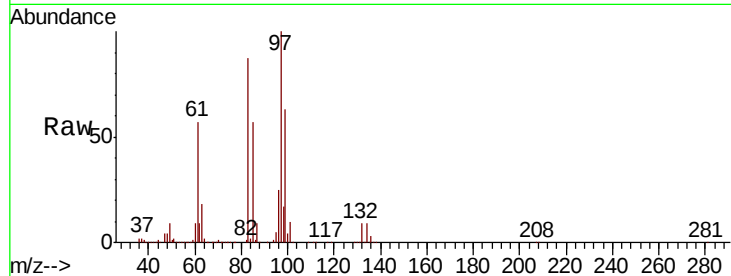




#55
 1,1,2-Trichloroethane
 Concen: 47.714 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

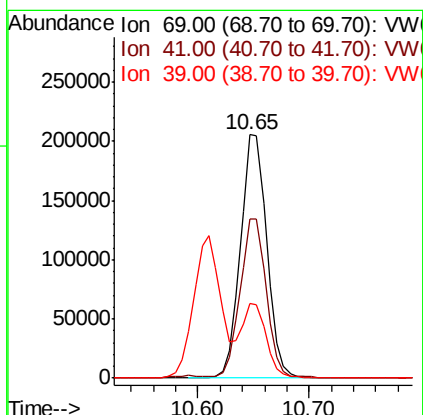
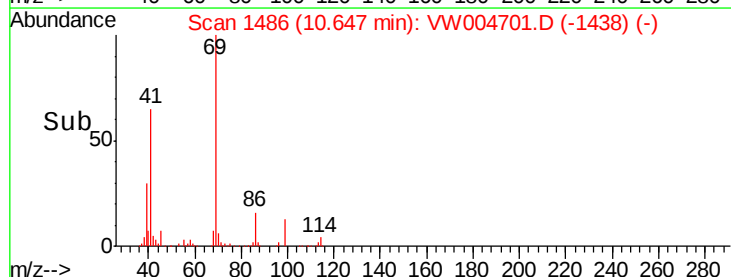
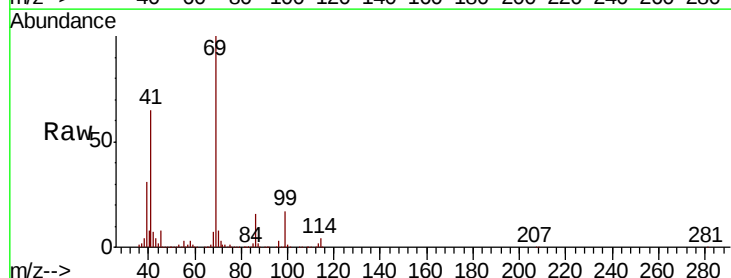
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

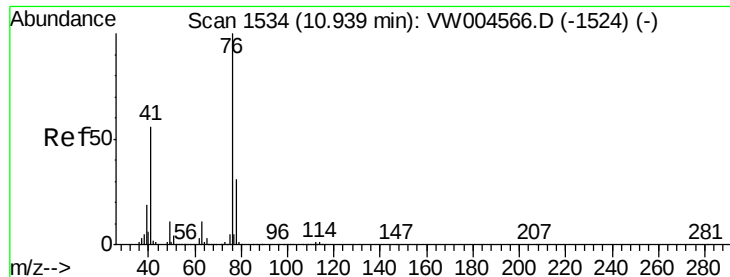
Tot Ion:	97	Resp:	277079
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.8	104.8
85	56.6	45.1	67.7
99	62.7	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 48.585 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion:	69	Resp:	337787
Ion	Ratio	Lower	Upper
69	100		
41	64.8	52.4	78.6
39	27.0	22.7	34.1





#57

1,3-Dichloropropane

Concen: 47.882 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

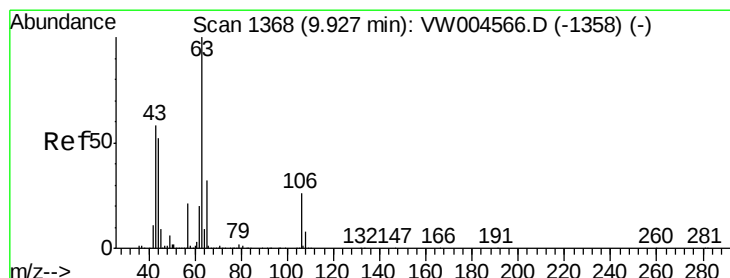
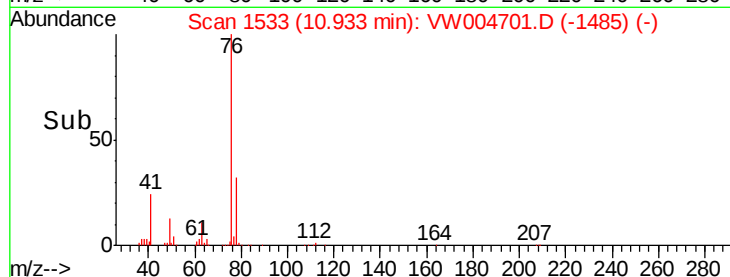
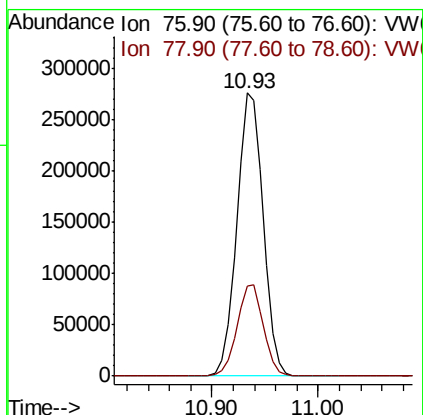
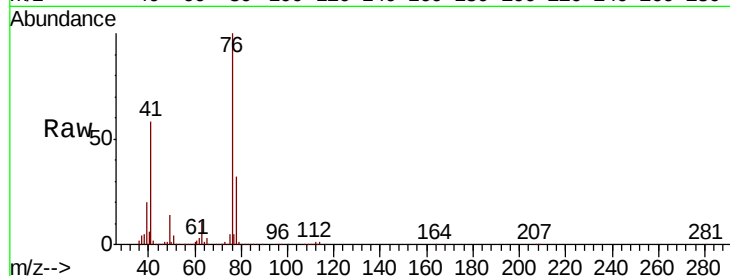
BFB

Tot Ion: 76 Resp: 479248

Ion Ratio Lower Upper

76 100

78 32.2 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 236.872 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004701.D

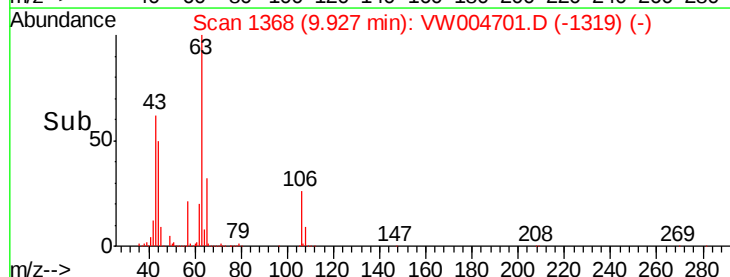
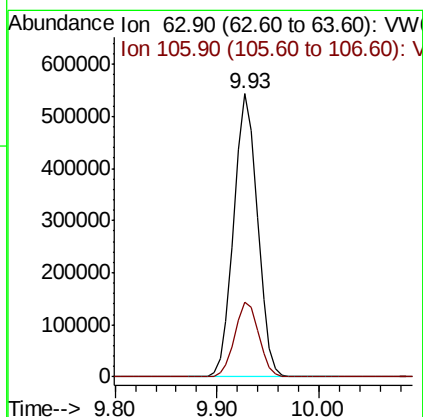
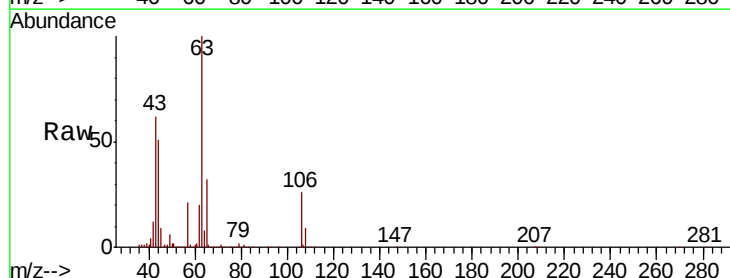
Acq: 15 Aug 2018 17:17

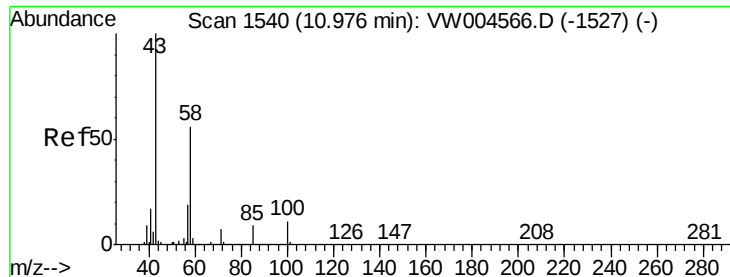
Tgt Ion: 63 Resp: 872786

Ion Ratio Lower Upper

63 100

106 26.7 21.3 31.9

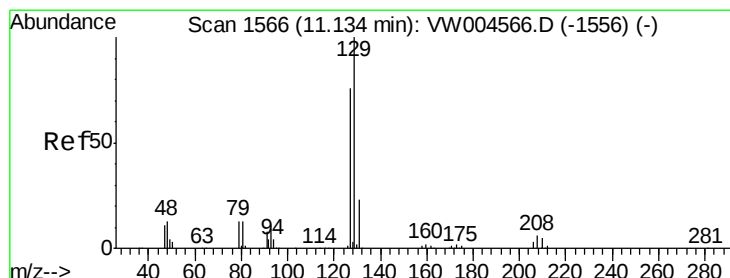
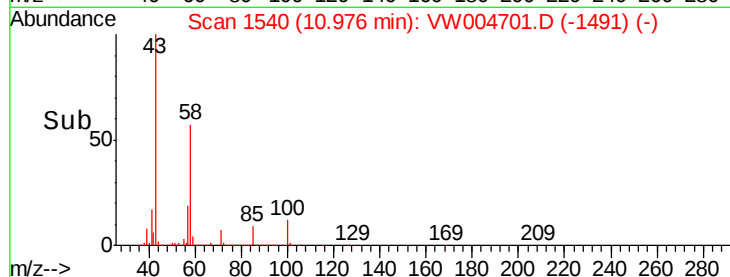
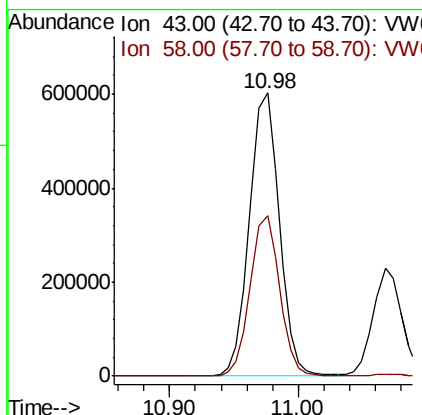
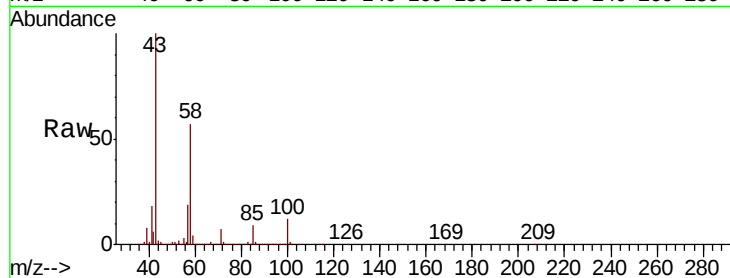




#59
2-Hexanone
Concen: 231.930 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

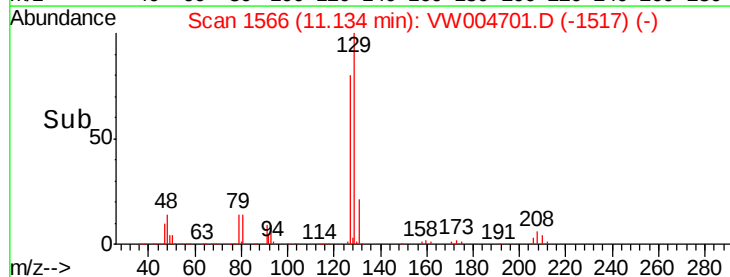
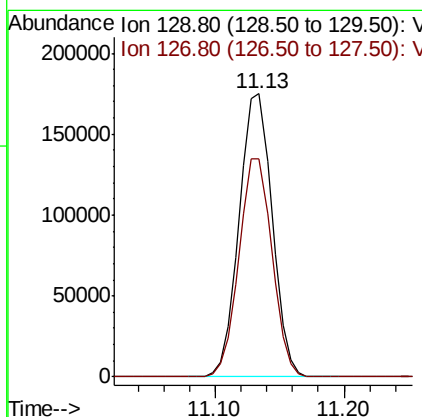
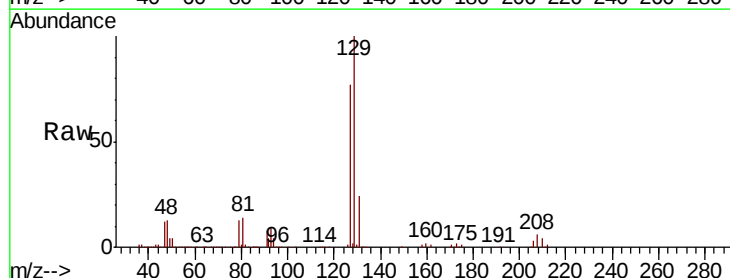
Instrument :
MSVOA_W
ClientSampleId :
BFB

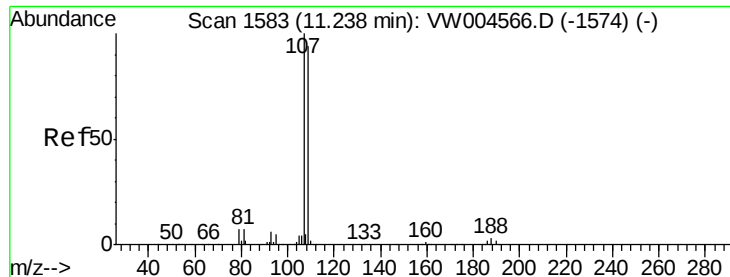
Tot Ion: 43 Resp: 967048
Ion Ratio Lower Upper
43 100
58 56.1 27.9 83.6



#60
Dibromochloromethane
Concen: 49.235 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

Tgt Ion: 129 Resp: 310967
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

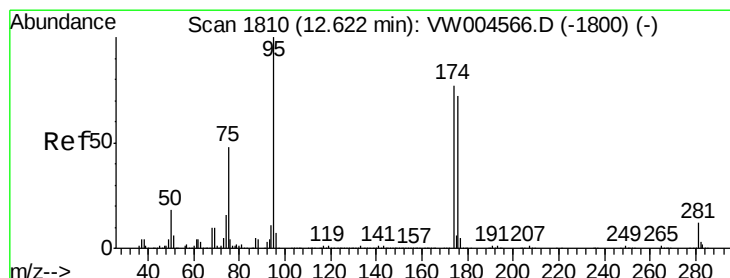
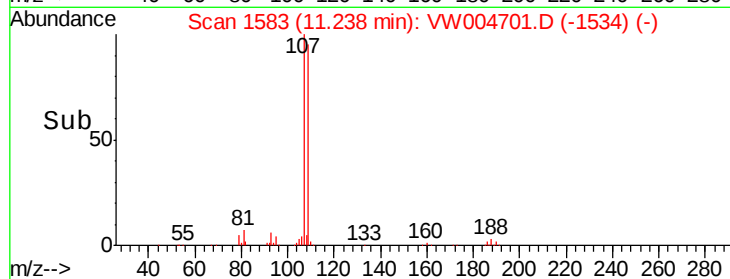
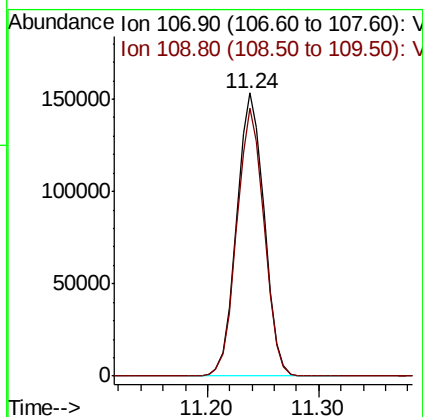
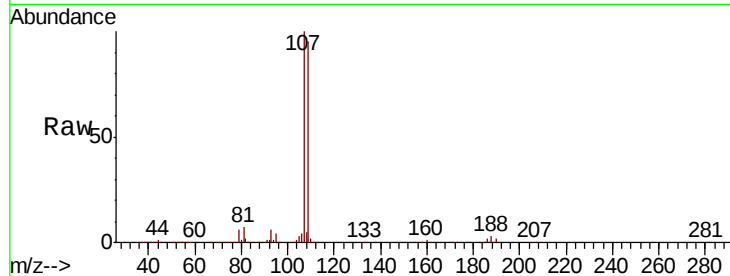




#61
 1,2-Dibromoethane
 Concen: 47.987 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

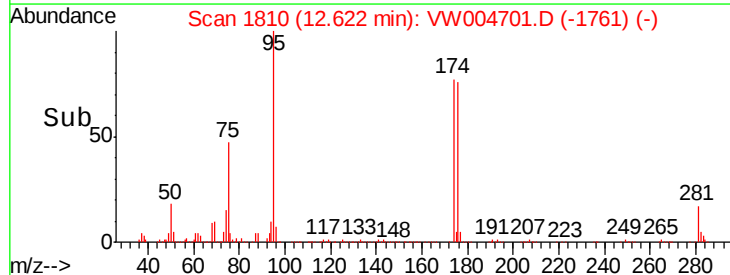
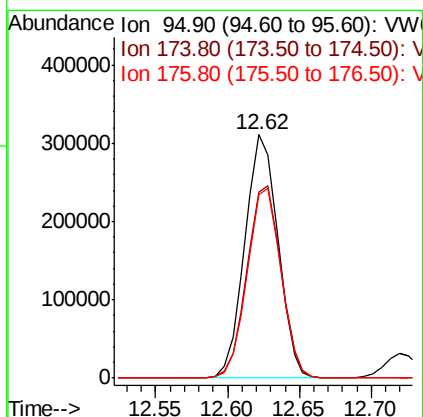
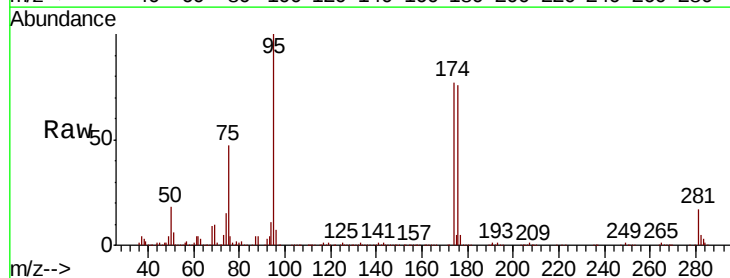
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

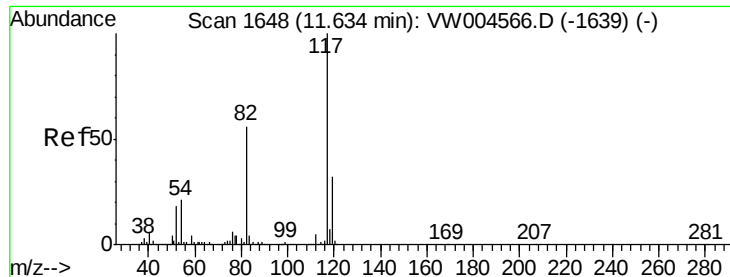
Tot Ion: 107 Resp: 261799
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 53.811 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion: 95 Resp: 495243
 Ion Ratio Lower Upper
 95 100
 174 81.1 0.0 160.4
 176 79.3 0.0 153.2

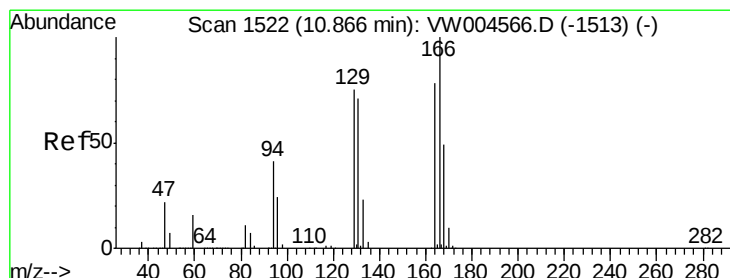
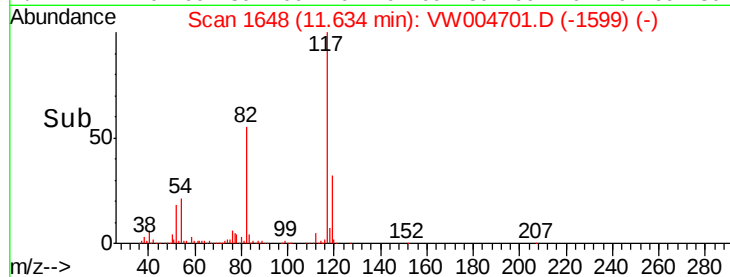
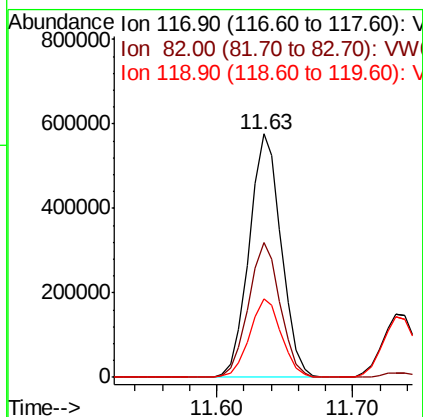
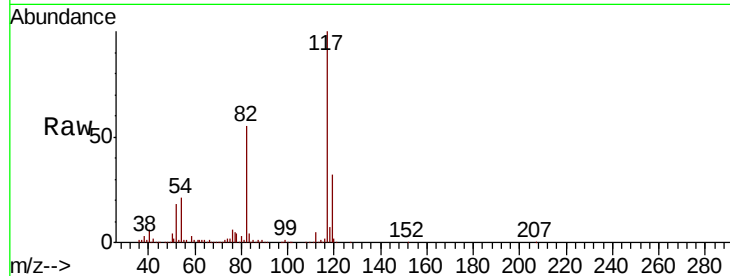




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

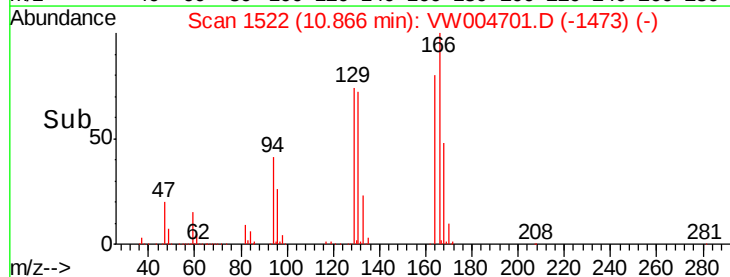
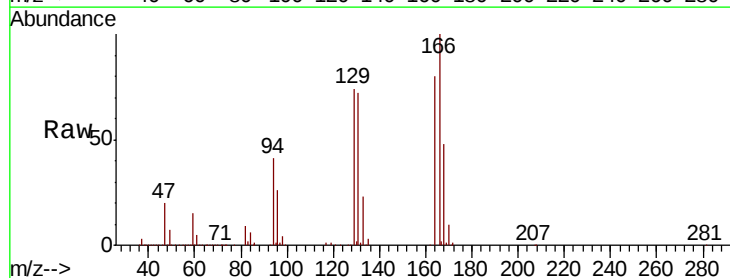
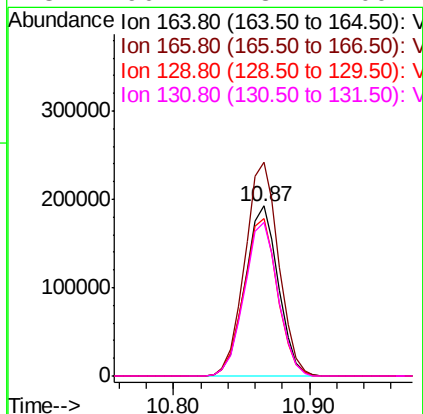
Instrument :
MSVOA_W
ClientSampleId :
BFB

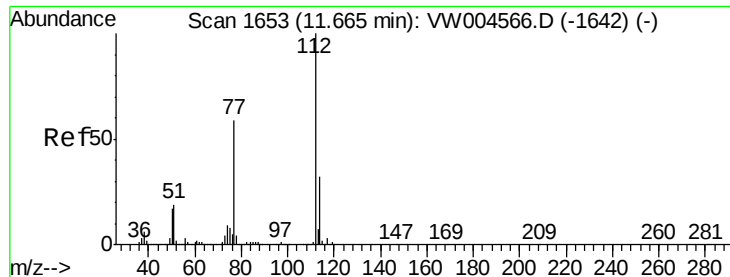
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.3	67.9
119	32.0	26.2	39.4



#64
Tetrachloroethene
Concen: 49.739 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	98.4	147.6
129	93.0	73.6	110.4
131	90.4	73.1	109.7

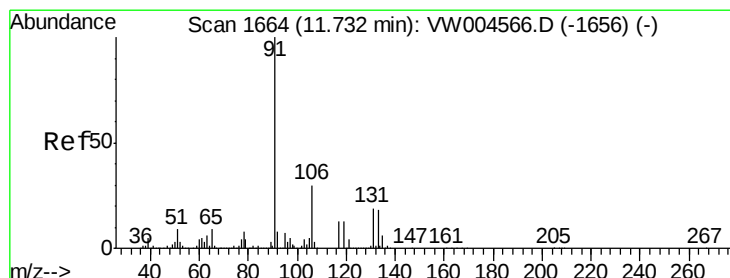
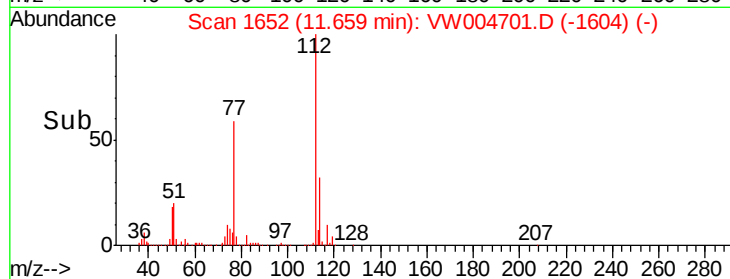
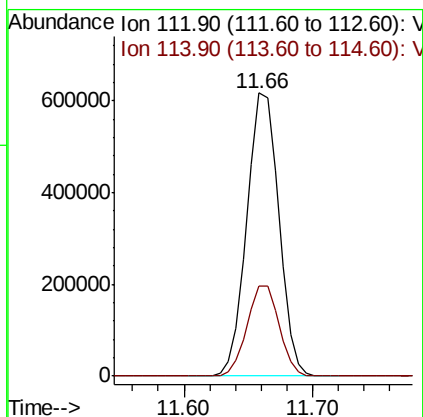
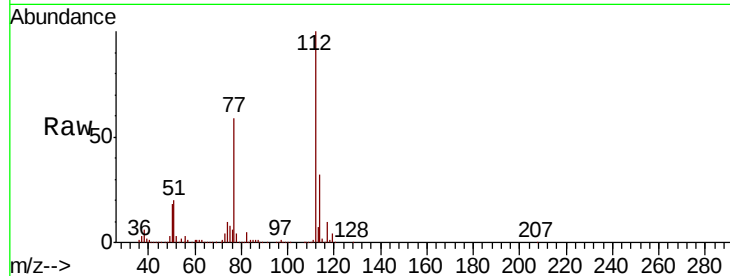




#65
Chlorobenzene
Concen: 50.642 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

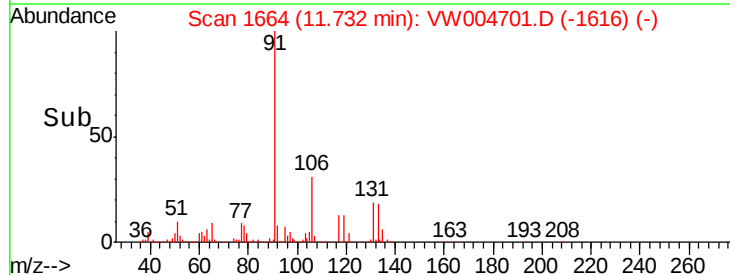
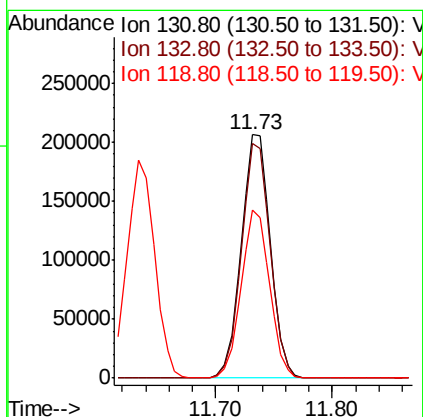
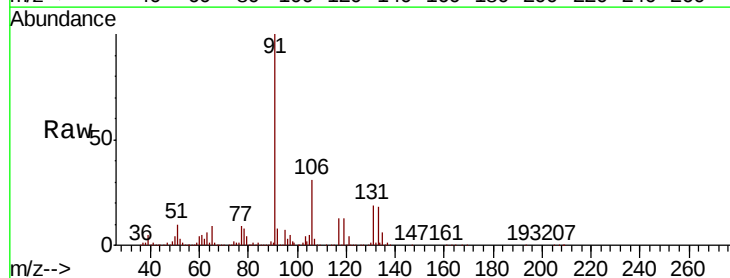
Instrument :
MSVOA_W
ClientSampleId :
BFB

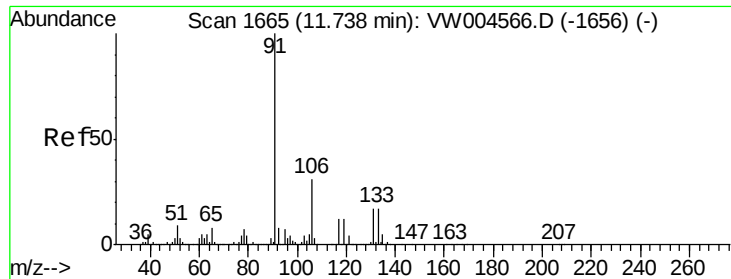
Tot Ion:112 Resp: 1060039
Ion Ratio Lower Upper
112 100
114 32.0 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.352 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

Tgt Ion:131 Resp: 358833
Ion Ratio Lower Upper
131 100
133 95.7 48.1 144.4
119 67.6 33.9 101.7





#67

Ethyl Benzene

Concen: 52.917 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

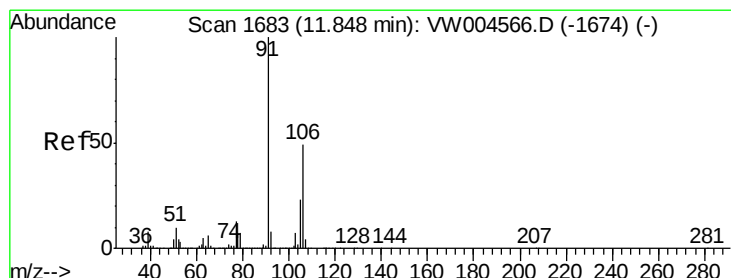
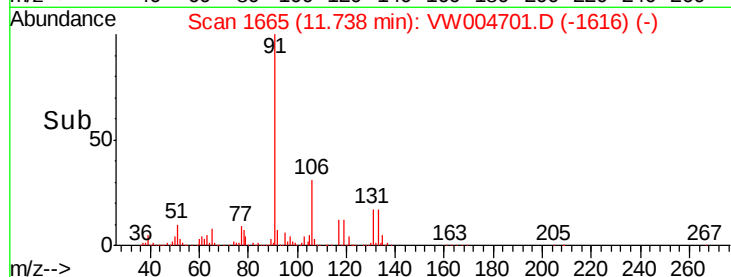
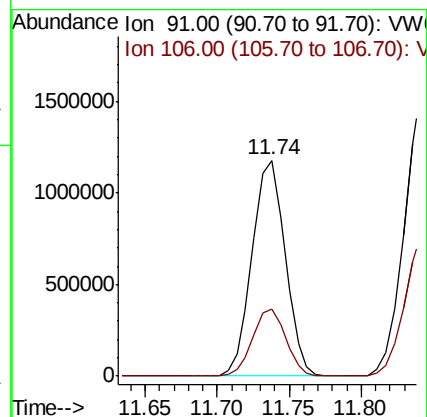
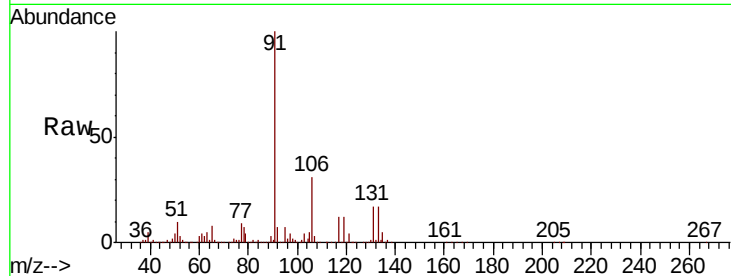
BFB

Tot Ion: 91 Resp: 1877708

Ion Ratio Lower Upper

91 100

106 31.1 24.2 36.2



#68

m/p-Xylenes

Concen: 107.383 ug/l

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW004701.D

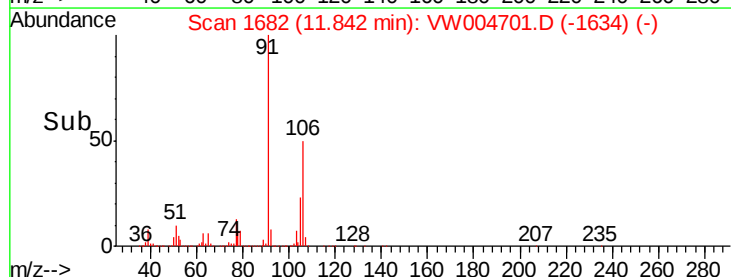
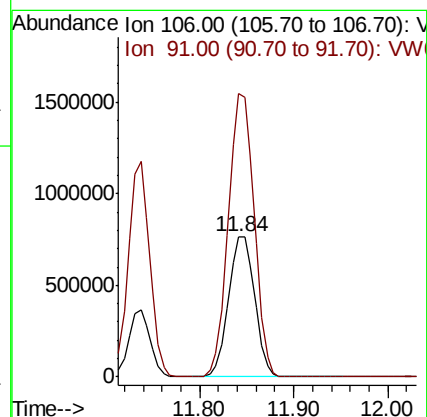
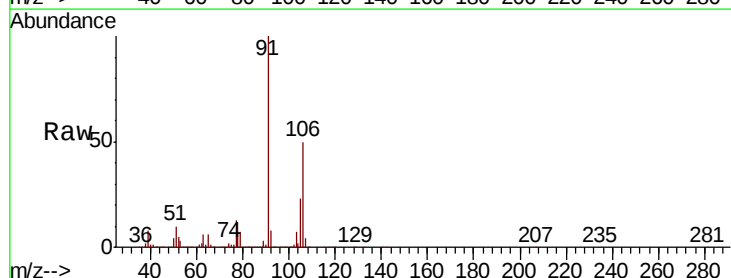
Acq: 15 Aug 2018 17:17

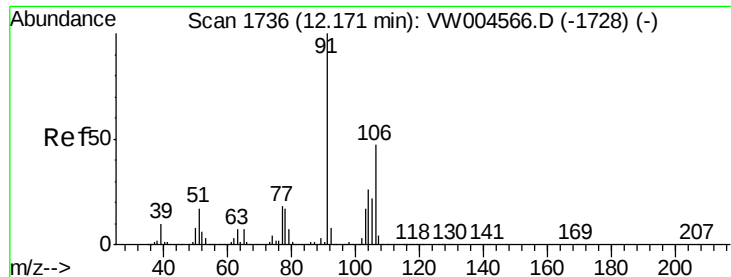
Tgt Ion:106 Resp: 1472586

Ion Ratio Lower Upper

106 100

91 200.3 162.8 244.2

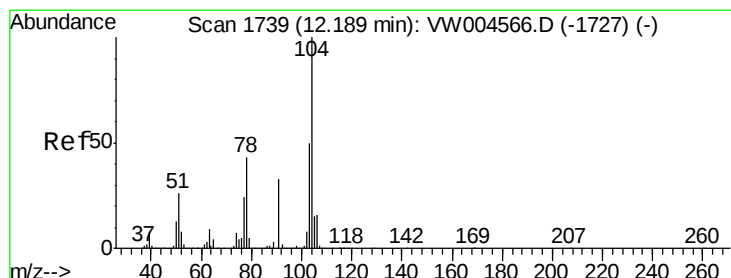
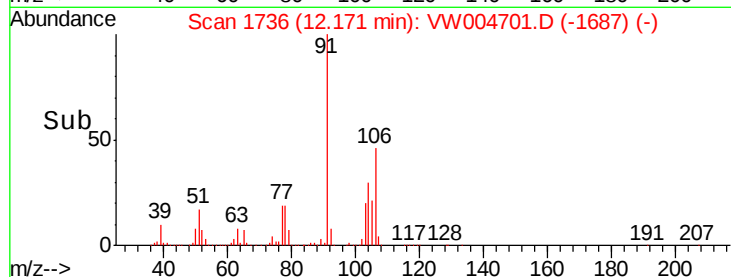
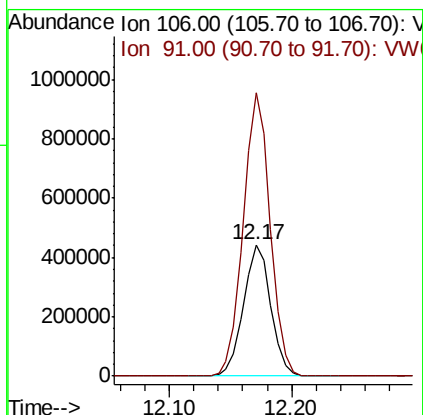
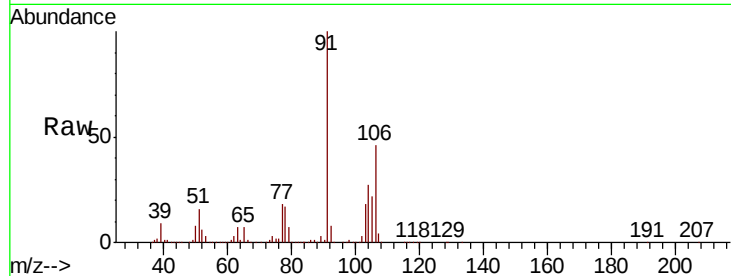




#69
o-Xylene
Concen: 53.694 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

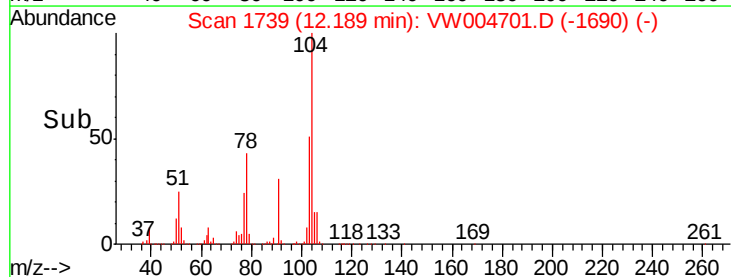
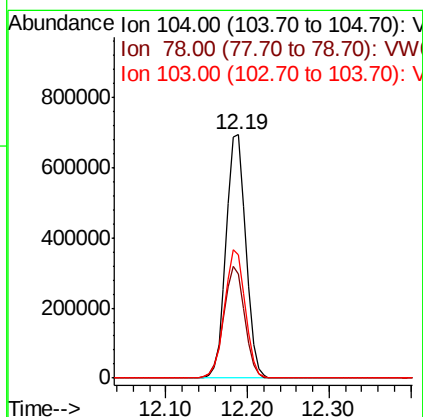
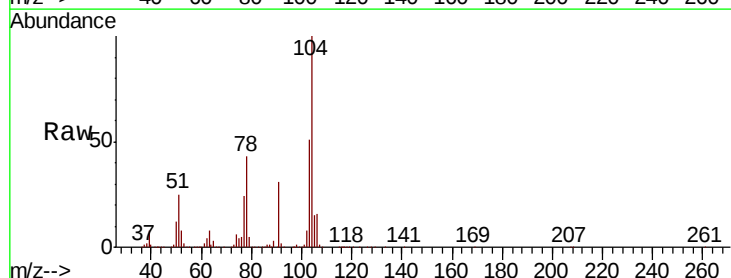
Instrument :
MSVOA_W
ClientSampled :
BFB

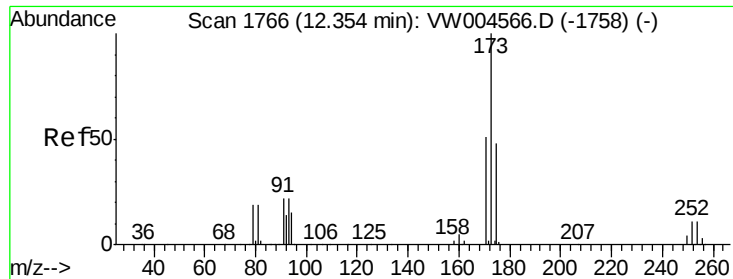
Tot Ion:106 Resp: 682860
Ion Ratio Lower Upper
106 100
91 213.2 106.7 320.2



#70
Styrene
Concen: 53.927 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

Tgt Ion:104 Resp: 1158756
Ion Ratio Lower Upper
104 100
78 48.7 39.0 58.4
103 55.2 44.2 66.2

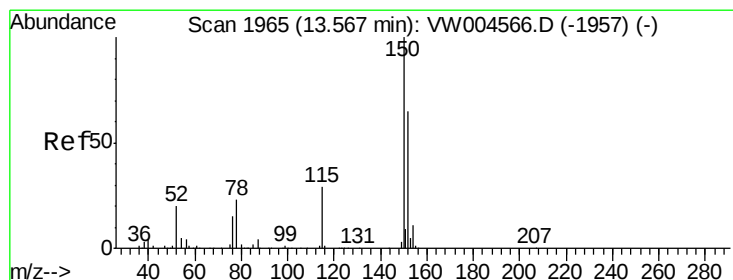
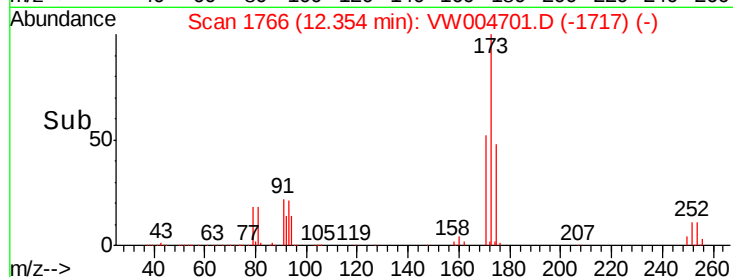
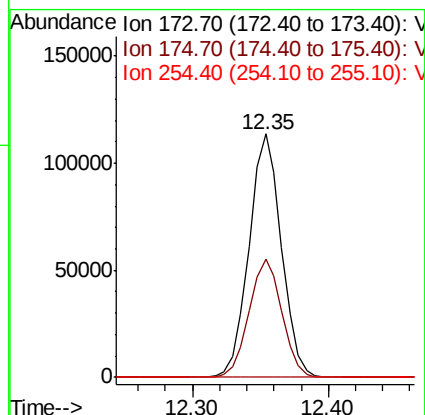
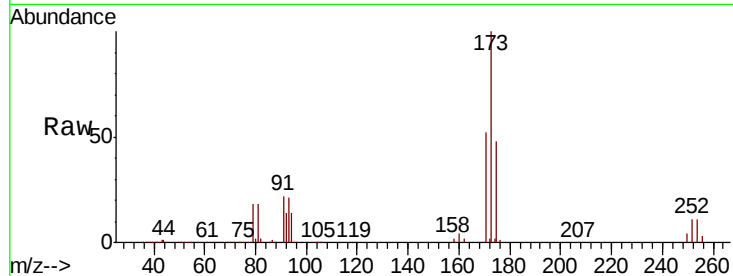




#71
 Bromoform
 Concen: 48.227 ug/l
 RT: 12.35 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

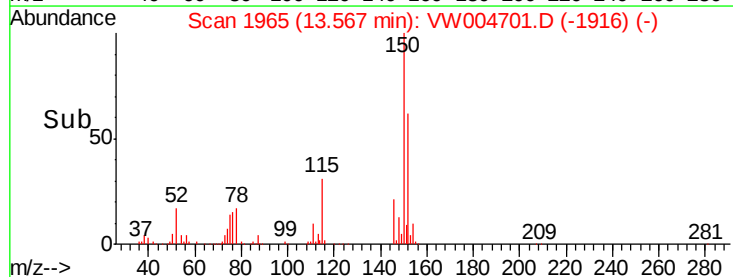
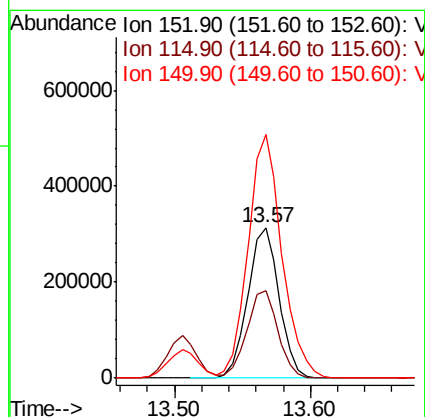
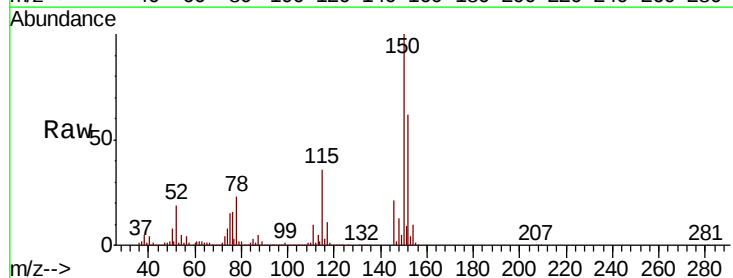
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

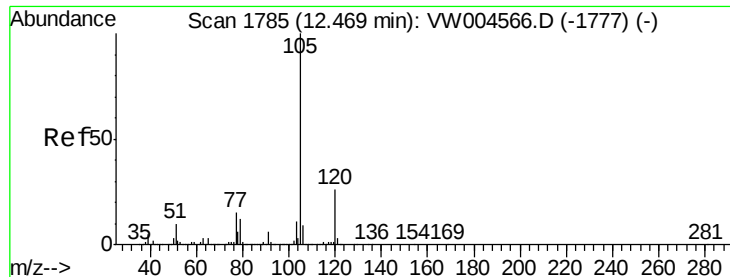
Tot Ion:173 Resp: 188932
 Ion Ratio Lower Upper
 173 100
 175 49.3 24.5 73.5
 254 0.1 0.2 0.2#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion:152 Resp: 504154
 Ion Ratio Lower Upper
 152 100
 115 57.6 29.1 87.3
 150 175.4 0.0 349.6





#73

Isopropylbenzene

Concen: 54.464 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

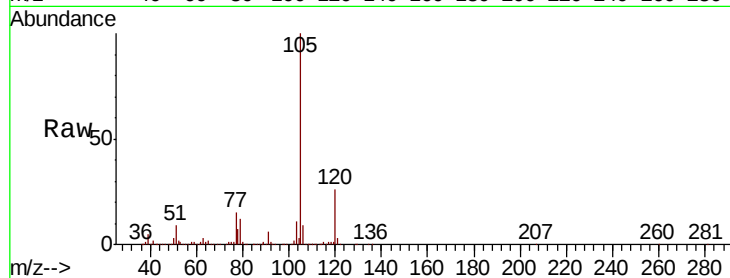
BFB

Tot Ion:105 Resp: 1899267

Ion Ratio Lower Upper

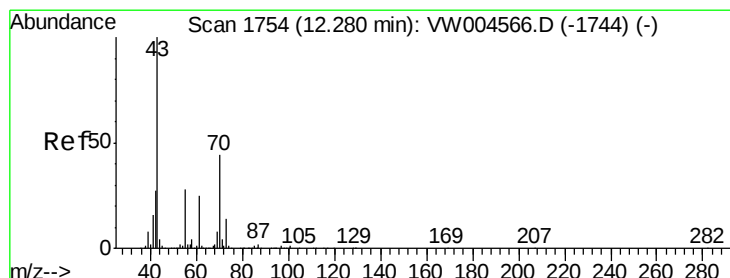
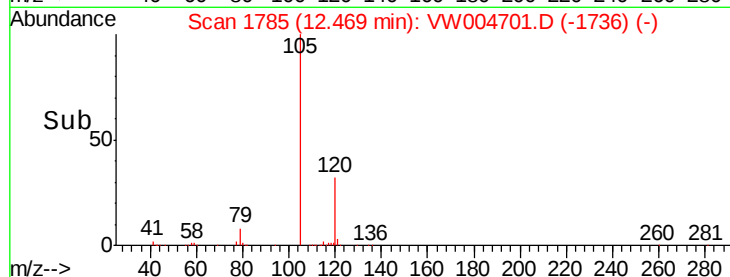
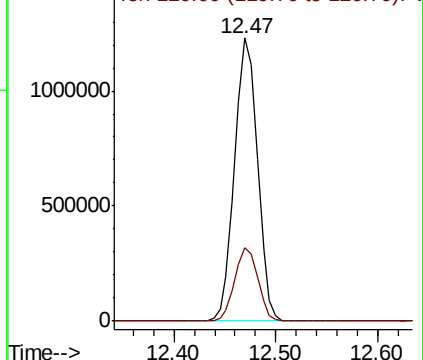
105 100

120 26.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.627 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Tgt Ion: 43 Resp: 385819

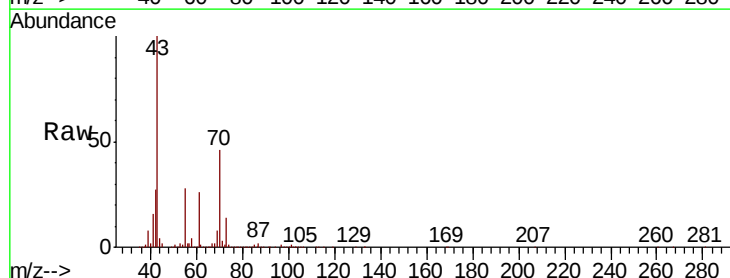
Ion Ratio Lower Upper

43 100

70 45.1 35.3 52.9

55 28.7 22.9 34.3

61 25.2 19.7 29.5

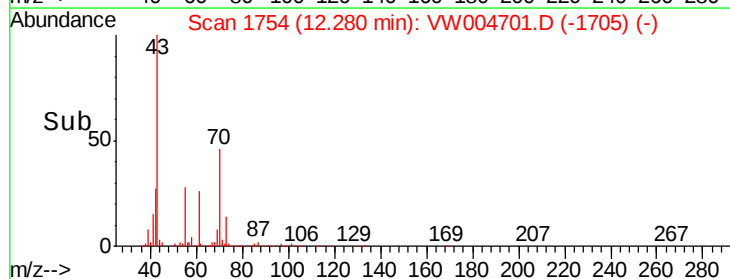
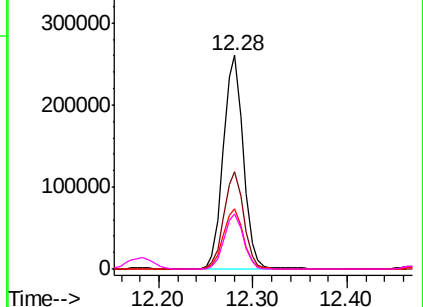


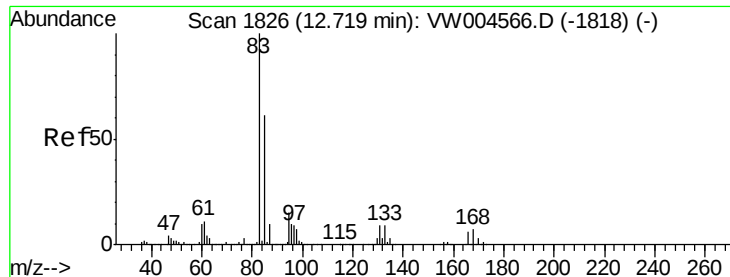
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 45.937 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

BFB

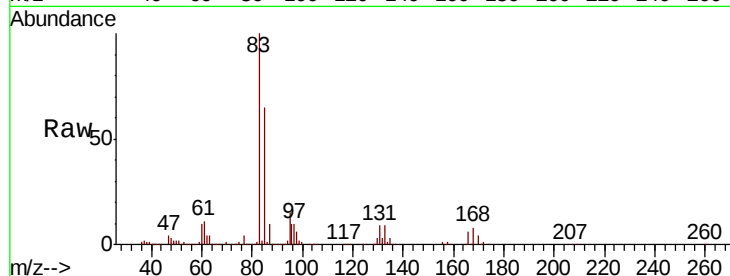
Tot Ion: 83 Resp: 334403

Ion Ratio Lower Upper

83 100

131 10.7 5.0 15.0

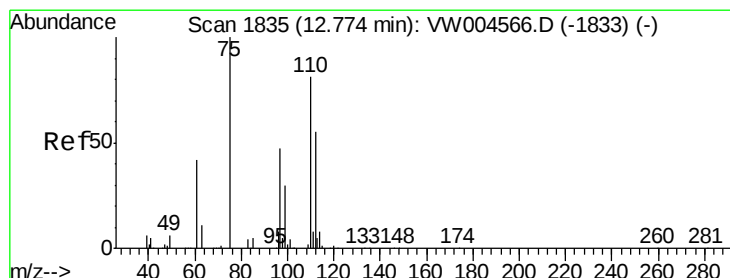
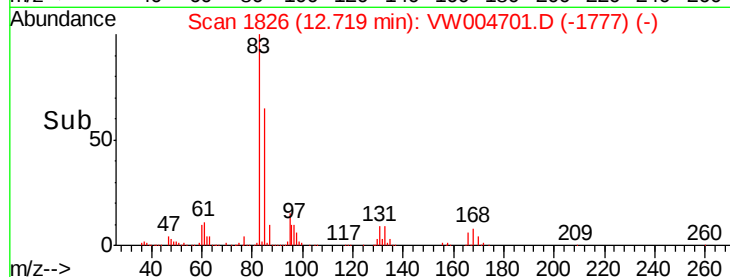
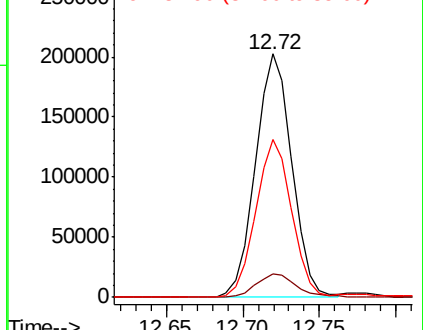
85 64.1 31.8 95.4



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: 82.624 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004701.D

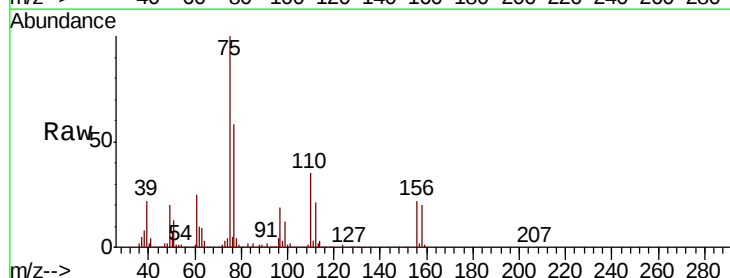
Acq: 15 Aug 2018 17:17

Tgt Ion: 75 Resp: 431039

Ion Ratio Lower Upper

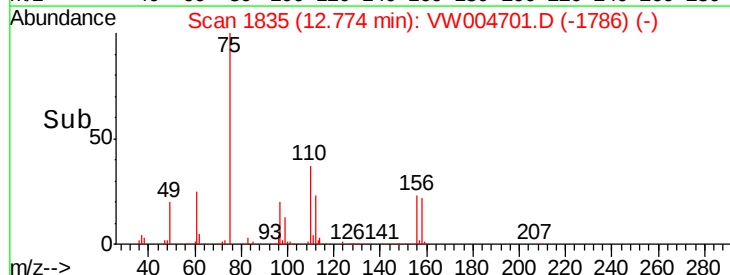
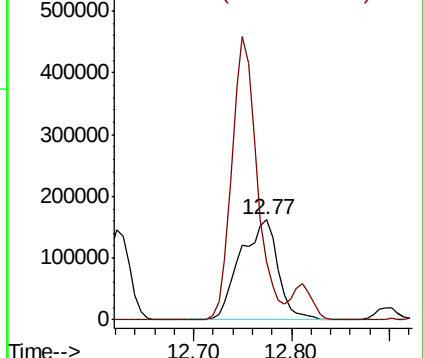
75 100

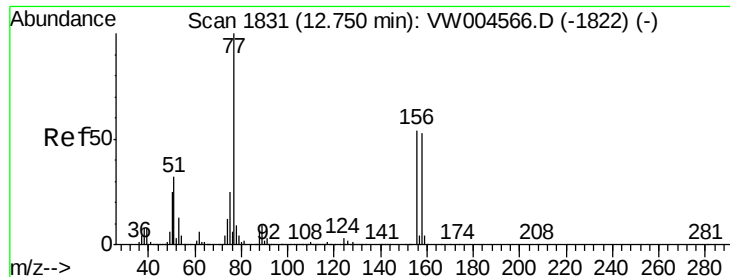
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.025 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

BFB

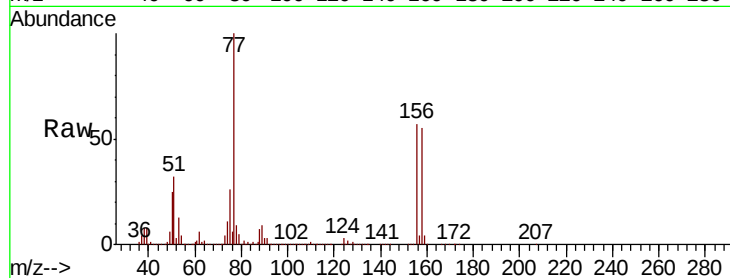
Tot Ion:156 Resp: 438937

Ion Ratio Lower Upper

156 100

77 188.4 98.7 296.1

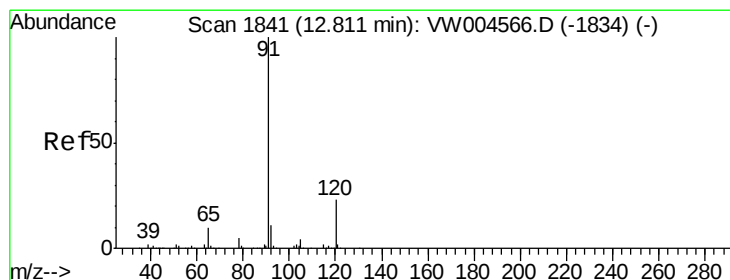
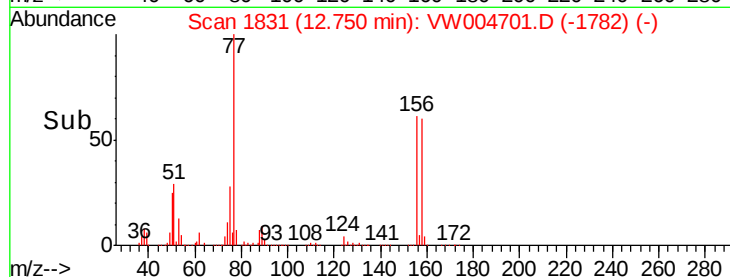
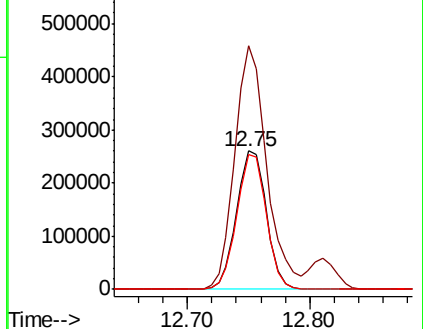
158 96.4 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.893 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004701.D

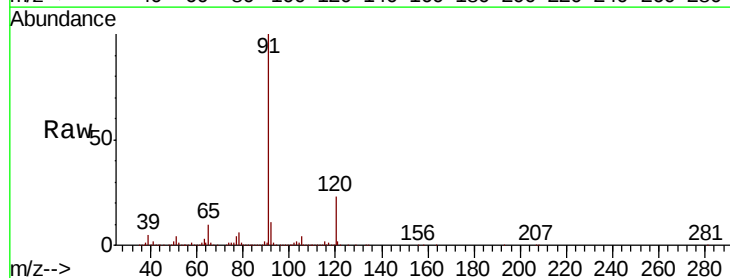
Acq: 15 Aug 2018 17:17

Tgt Ion: 91 Resp: 2319012

Ion Ratio Lower Upper

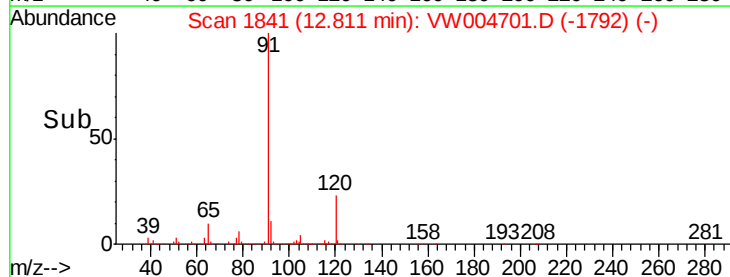
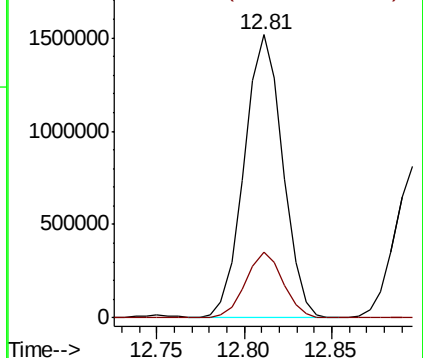
91 100

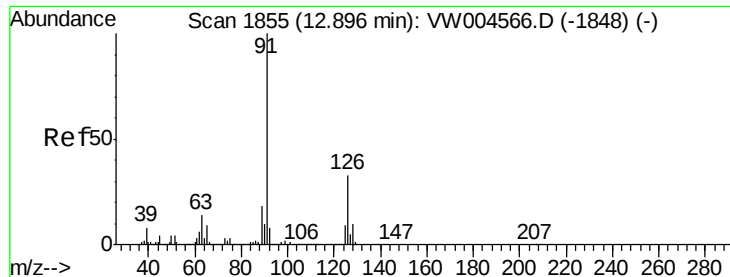
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

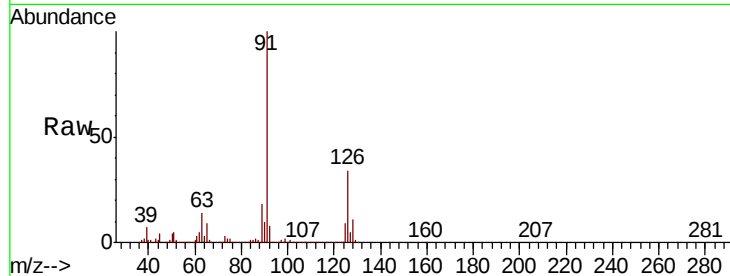




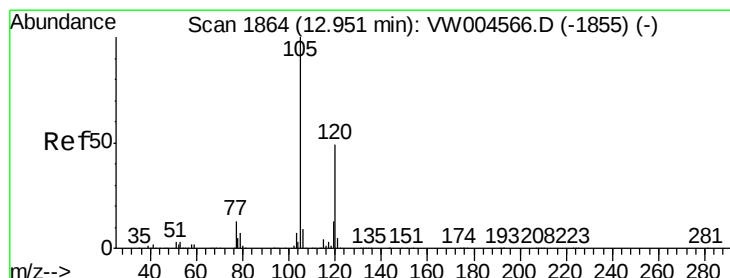
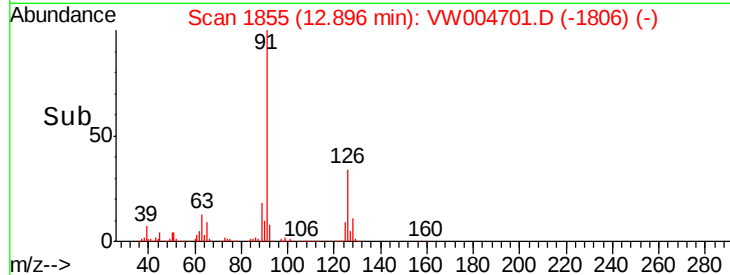
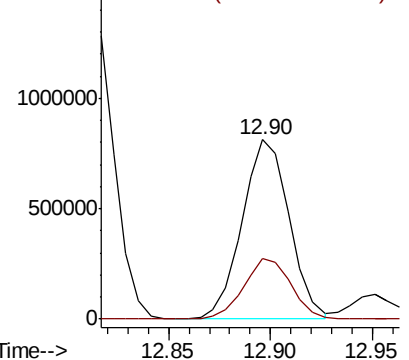
#79
 2-Chlorotoluene
 Concen: 52.484 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

Tot Ion: 91 Resp: 1306904
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.6 49.8

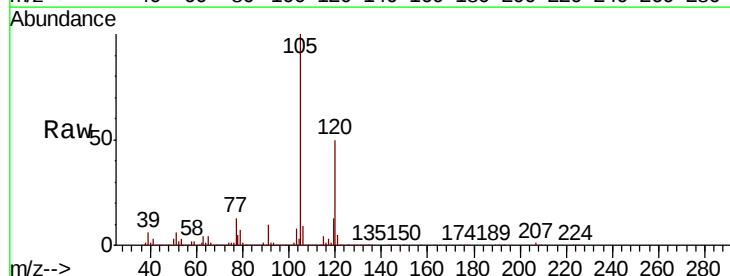


Abundance Ion 91.00 (90.70 to 91.70): VW
 1500000 Ion 125.90 (125.60 to 126.60): V

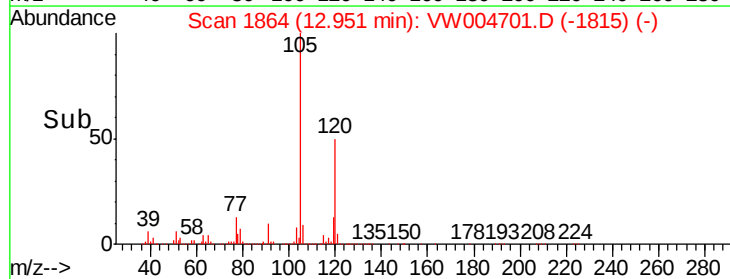
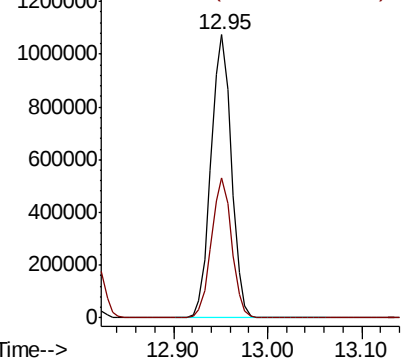


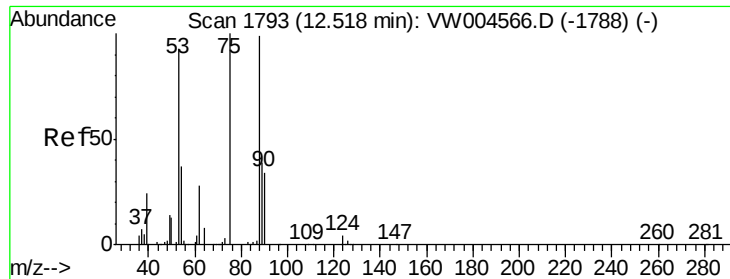
#80
 1,3,5-Trimethylbenzene
 Concen: 54.278 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion:105 Resp: 1614608
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V
 1200000 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.223 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

BFB

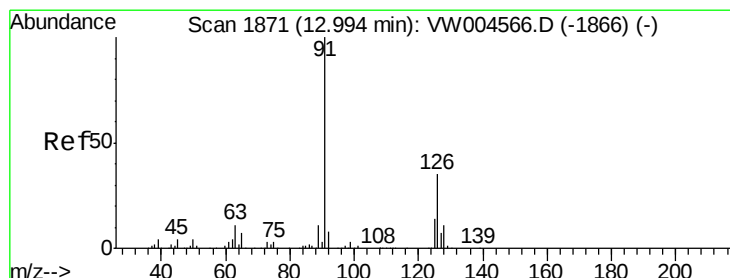
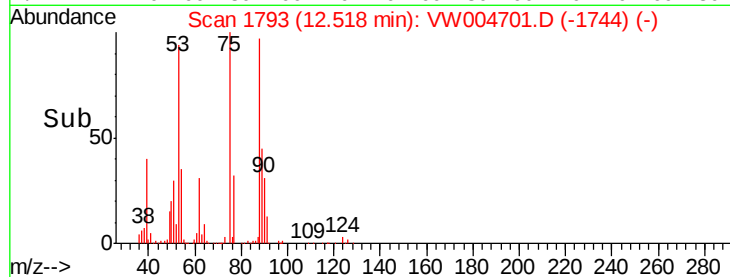
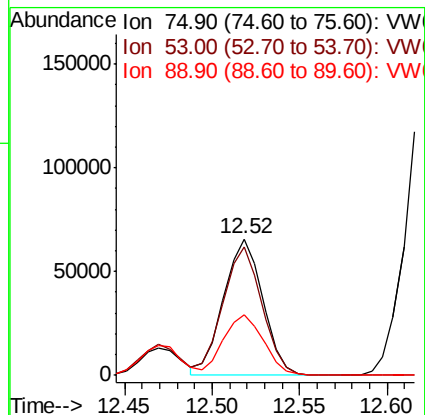
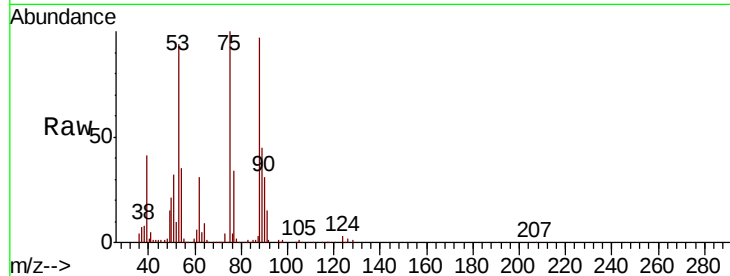
Tot Ion: 75 Resp: 102912

Ion Ratio Lower Upper

75 100

53 93.7 74.4 111.6

89 44.9 35.9 53.9



#82

4-Chlorotoluene

Concen: 52.191 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004701.D

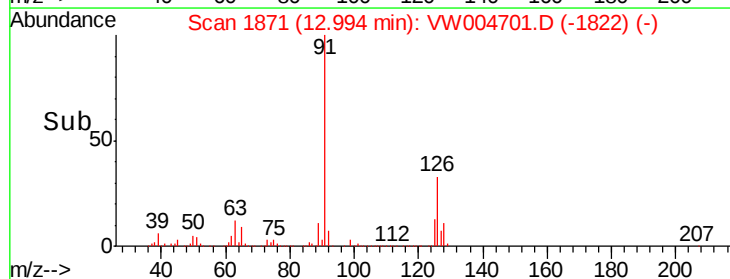
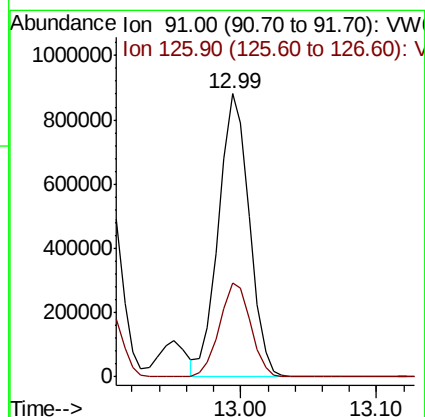
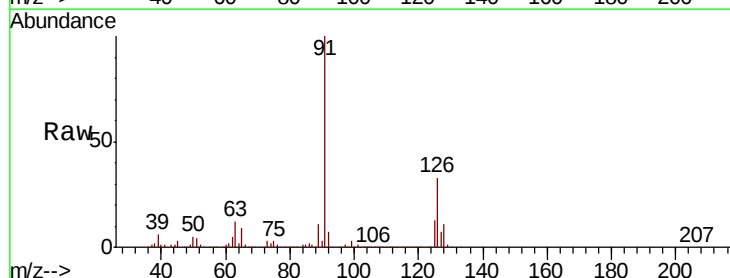
Acq: 15 Aug 2018 17:17

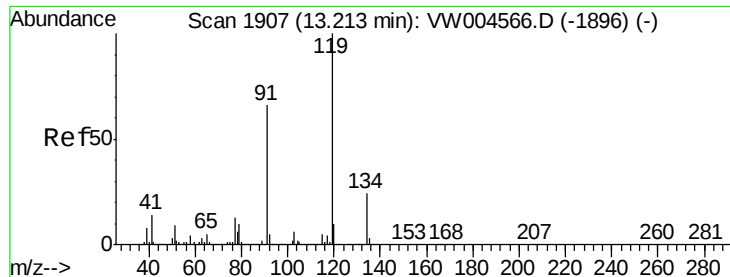
Tgt Ion: 91 Resp: 1379266

Ion Ratio Lower Upper

91 100

126 33.5 16.5 49.5





#83

tert-Butylbenzene

Concen: 55.213 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

BFB

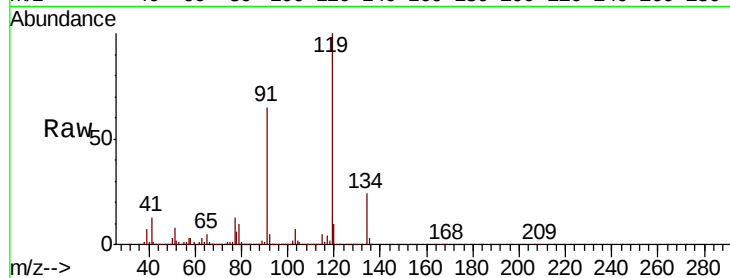
Tot Ion:119 Resp: 1377638

Ion Ratio Lower Upper

119 100

91 64.0 33.3 99.8

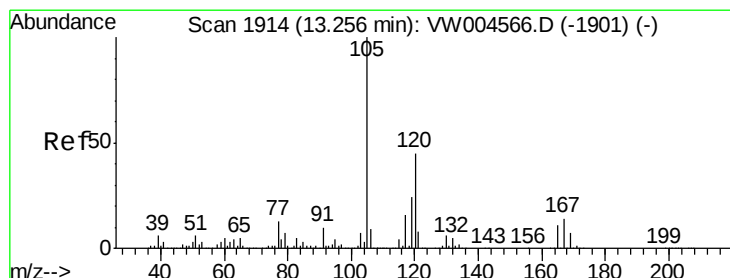
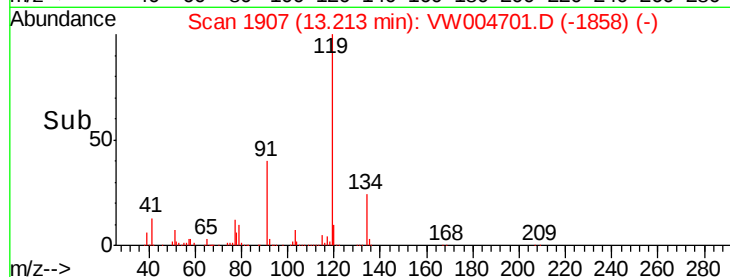
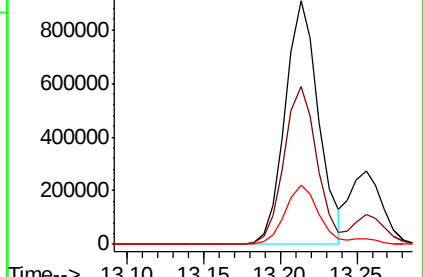
134 26.3 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.092 ug/l

RT: 13.26 min Scan# 1914

Delta R.T. 0.00 min

Lab File: VW004701.D

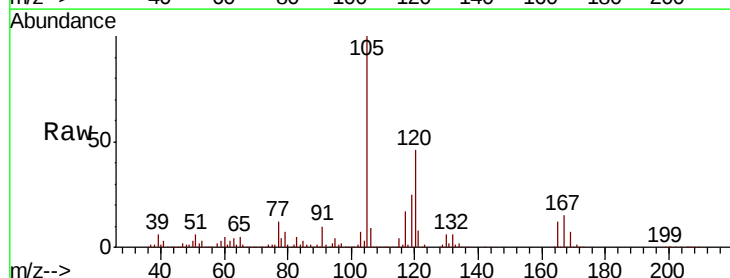
Acq: 15 Aug 2018 17:17

Tgt Ion:105 Resp: 1665757

Ion Ratio Lower Upper

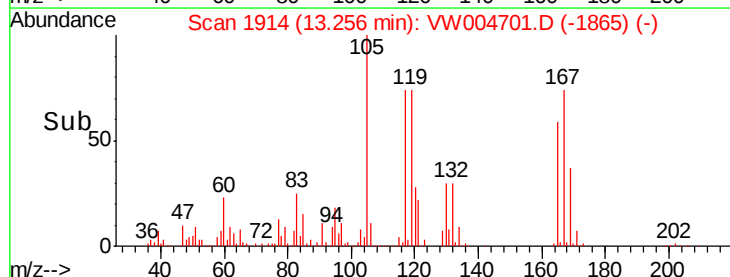
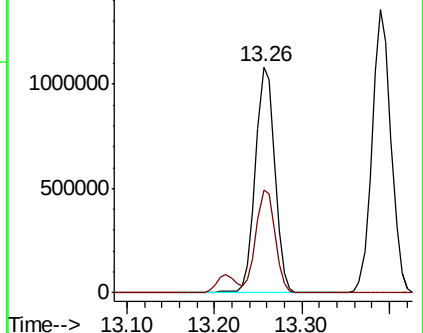
105 100

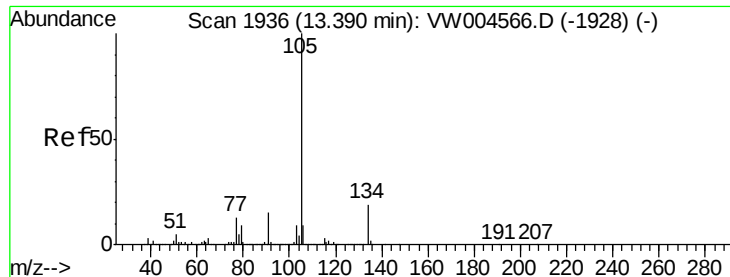
120 45.1 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.303 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

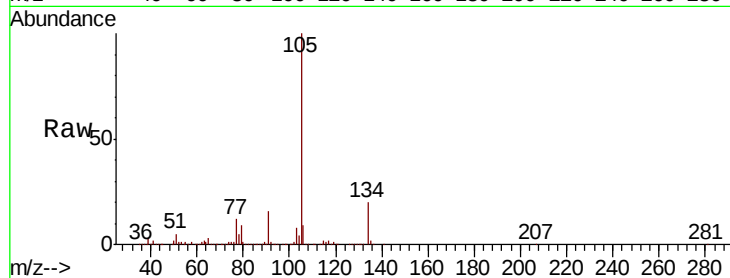
BFB

Tot Ion:105 Resp: 2044053

Ion Ratio Lower Upper

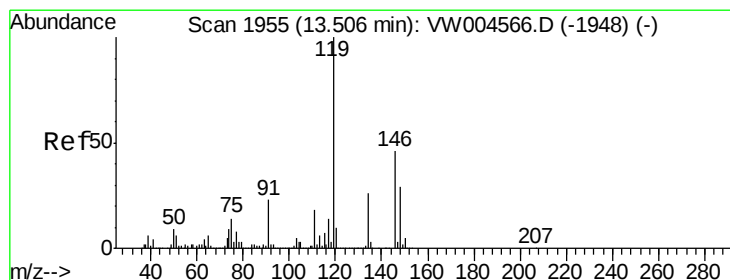
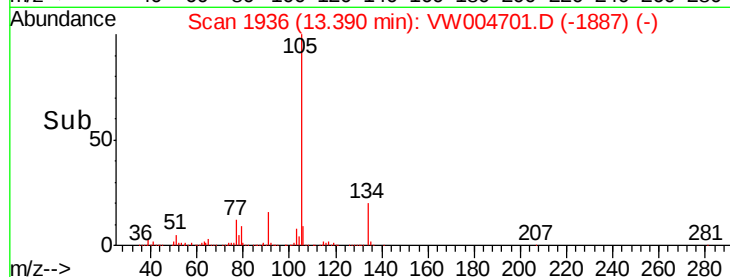
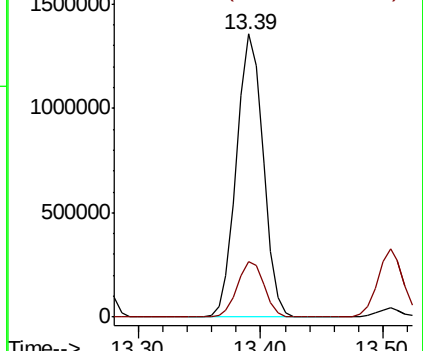
105 100

134 19.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.258 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

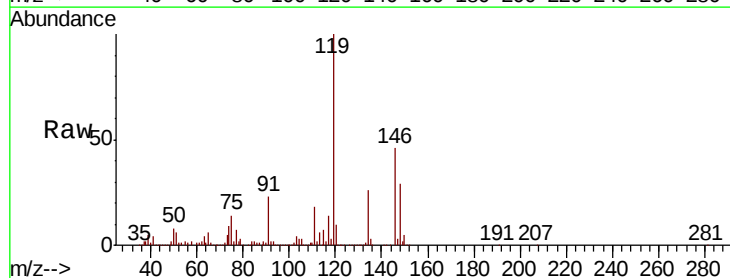
Tgt Ion:119 Resp: 1802410

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

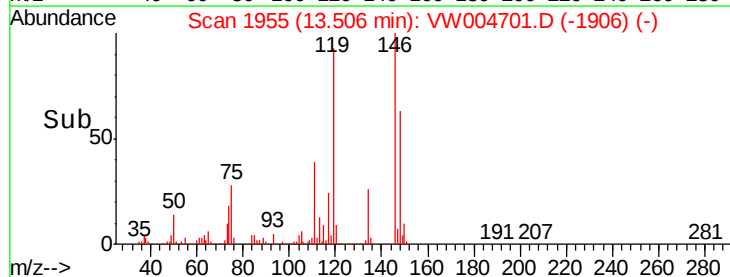
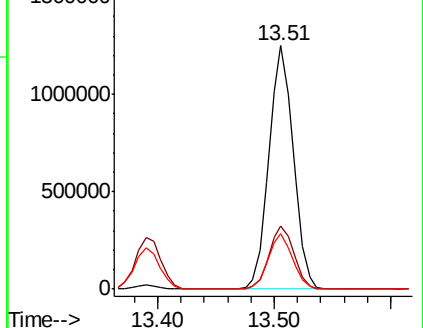
91 22.6 11.4 34.1

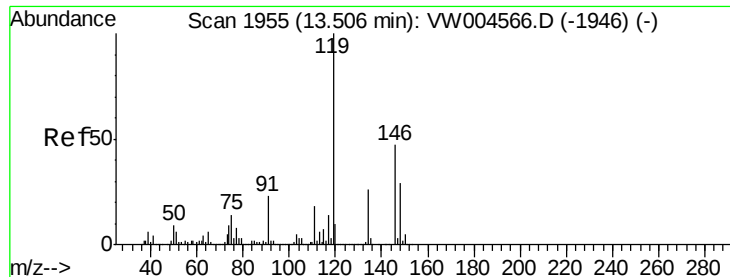


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

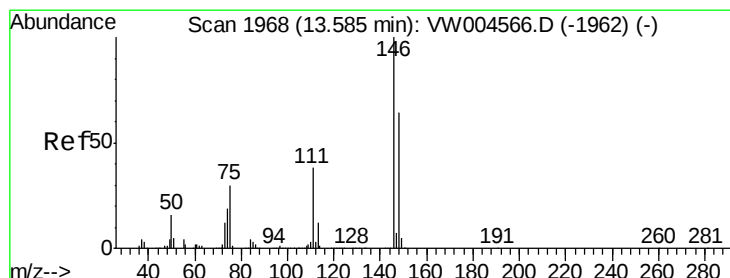
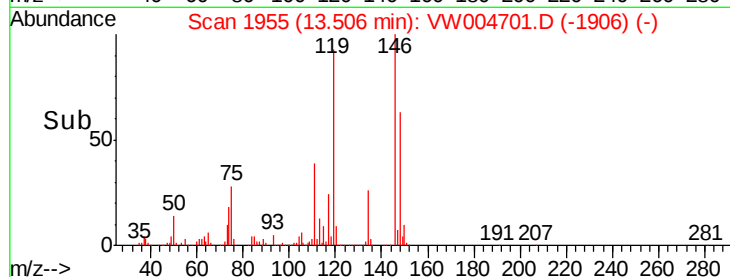
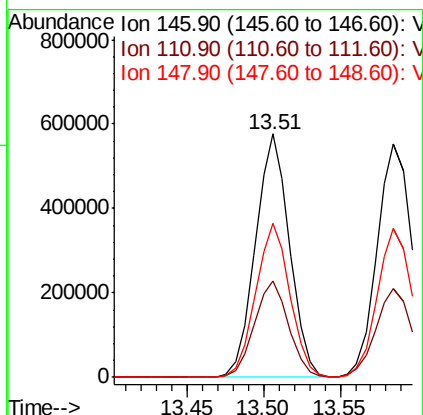
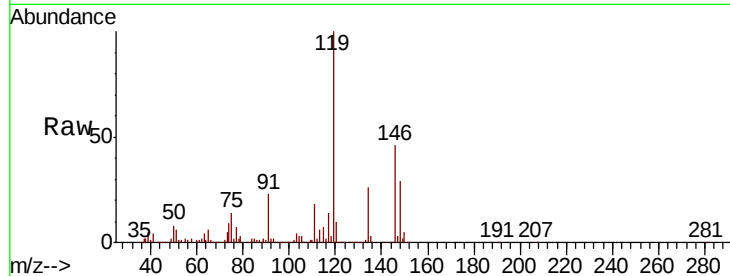




#87
 1,3-Dichlorobenzene
 Concen: 51.386 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

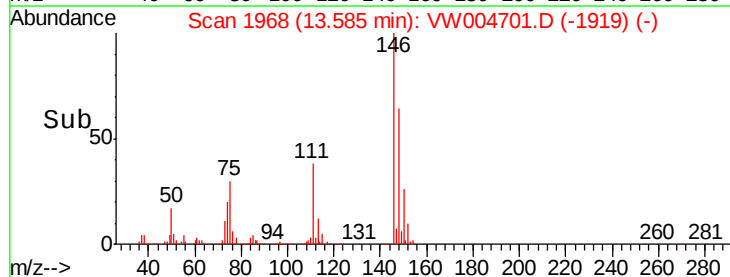
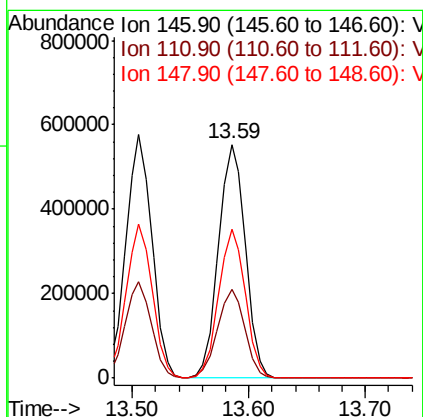
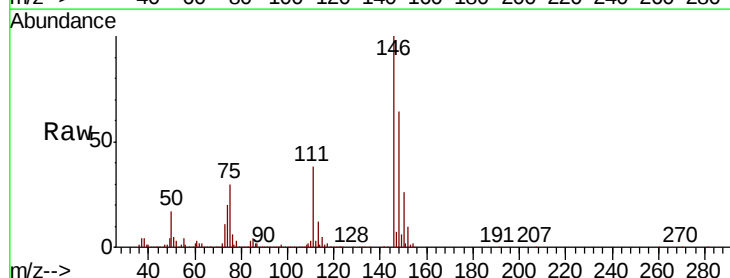
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

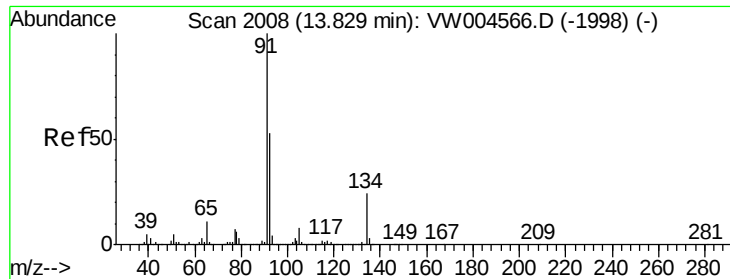
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	59.9
148	63.4	31.7	95.1



#88
 1,4-Dichlorobenzene
 Concen: 50.889 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.6	58.8
148	63.1	31.9	95.5





#89

n-Butylbenzene

Concen: 54.532 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VW004701.D

Acq: 15 Aug 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

BFB

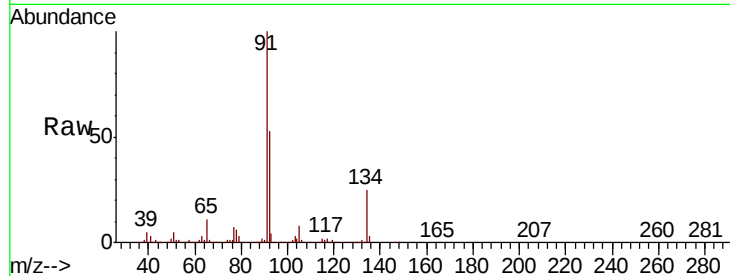
Tot Ion: 91 Resp: 1747635

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.0
134	25.5	12.4	37.2

91 100

92 52.3 26.4 79.0

134 25.5 12.4 37.2

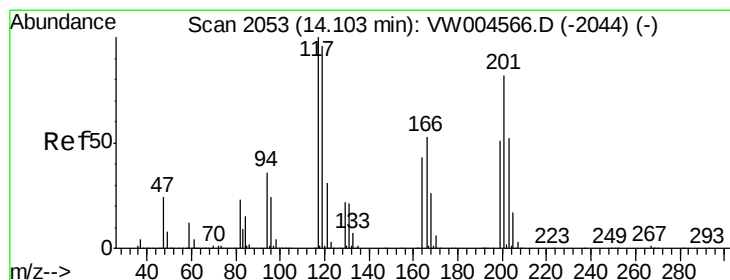
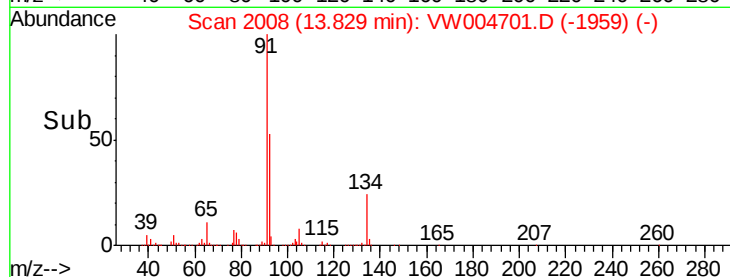
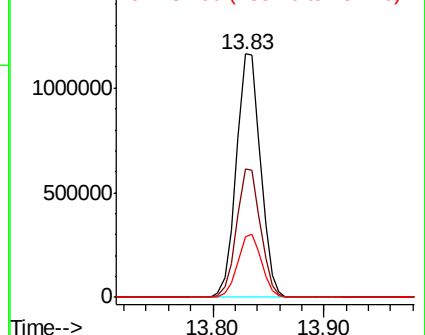


Abundance

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: 51.927 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004701.D

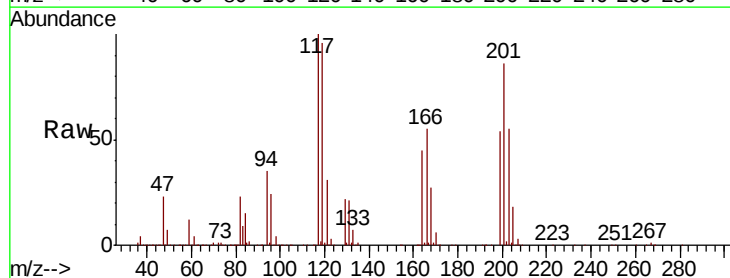
Acq: 15 Aug 2018 17:17

Tgt Ion: 117 Resp: 313374

Ion	Ratio	Lower	Upper
117	100		
201	83.4	40.1	120.3

117 100

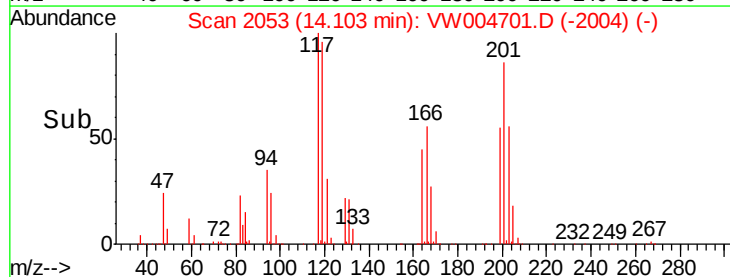
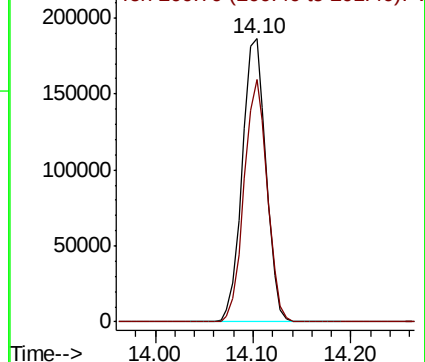
201 83.4 40.1 120.3

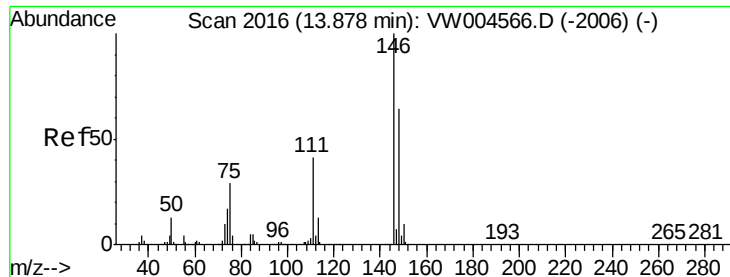


Abundance

Ion 116.80 (116.50 to 117.50): VW

Ion 200.70 (200.40 to 201.40): VW

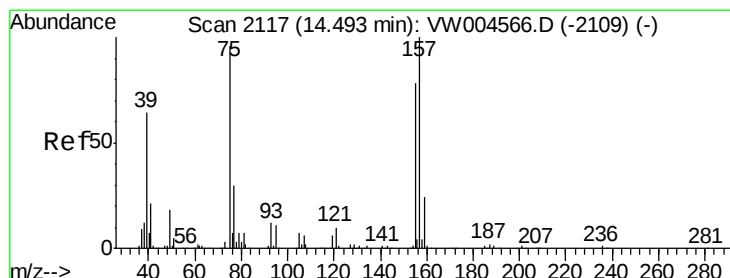
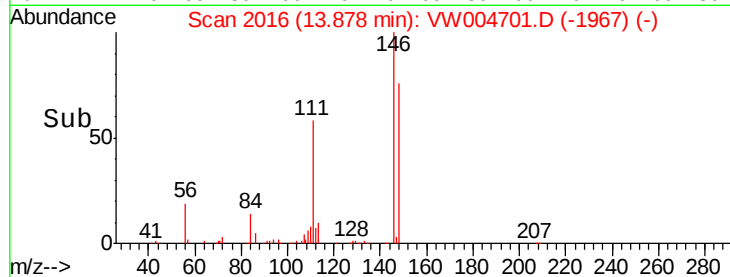
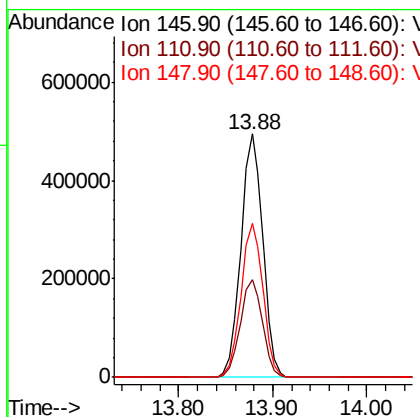
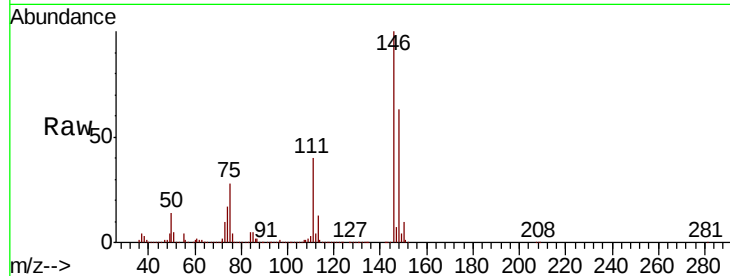




#91
 1,2-Dichlorobenzene
 Concen: 50.610 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

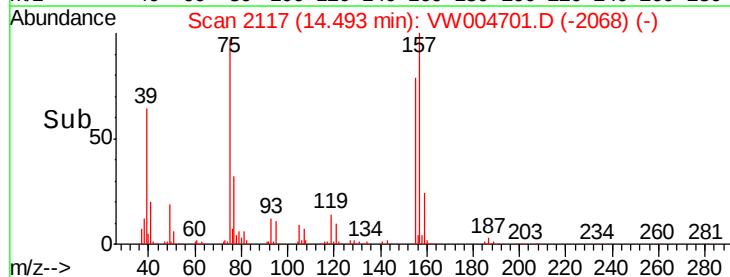
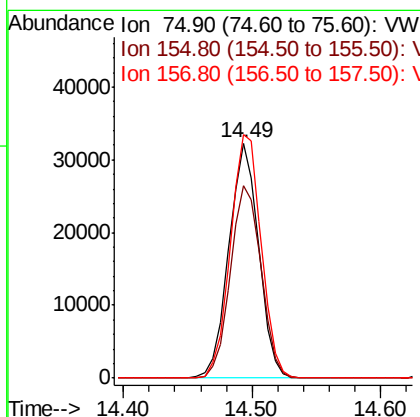
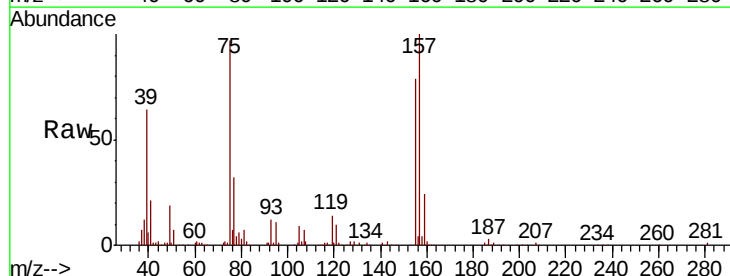
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

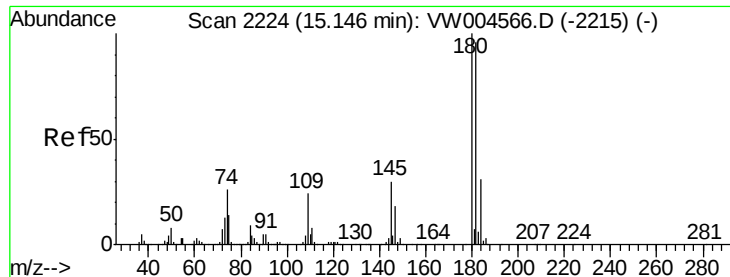
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.2
148	63.4	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.924 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	41.3	123.7
157	106.6	52.6	157.8

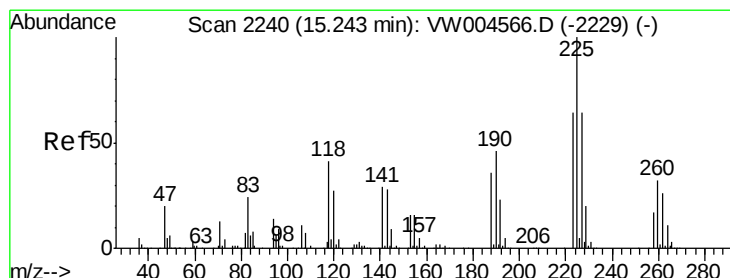
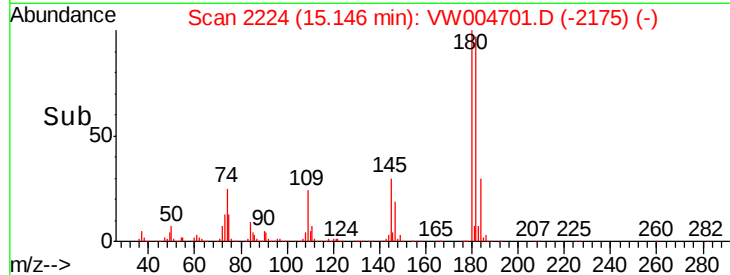
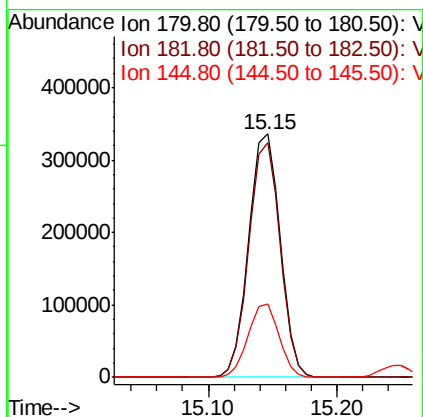
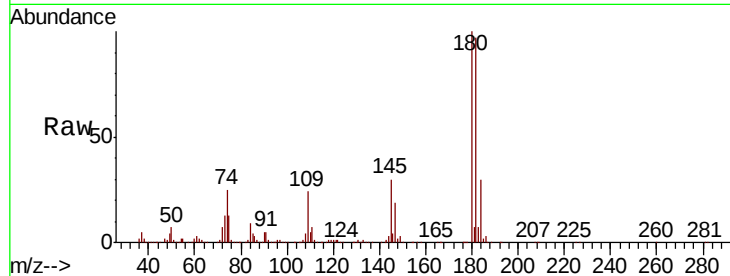




#93
 1,2,4-Trichlorobenzene
 Concen: 51.953 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

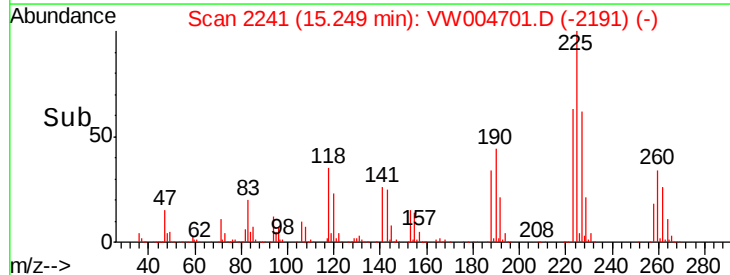
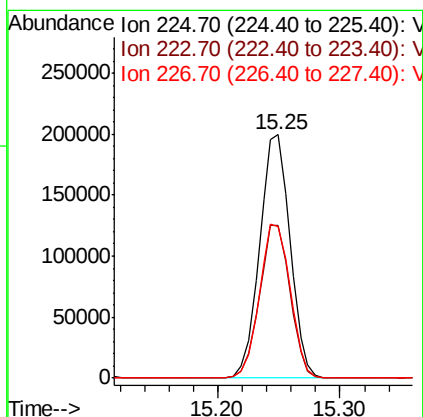
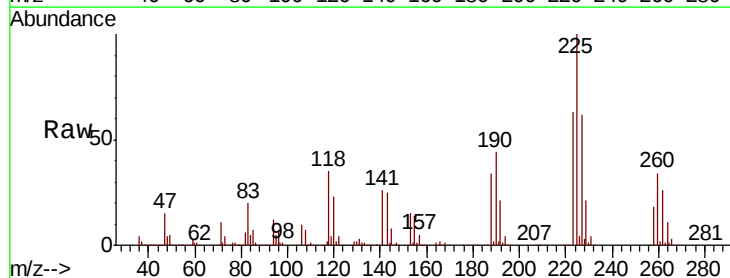
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

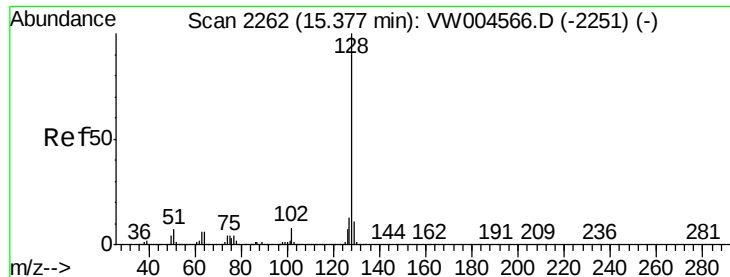
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.6
145	29.6	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 54.370 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW004701.D
 Acq: 15 Aug 2018 17:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.8
227	64.3	31.8	95.4

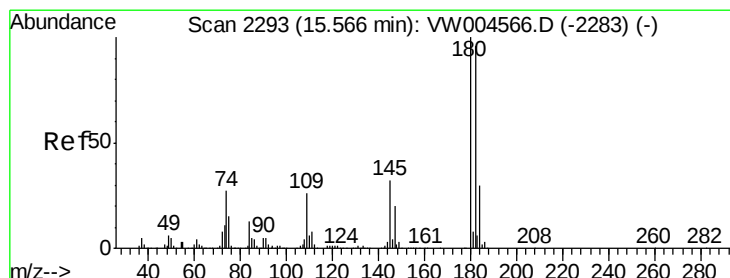
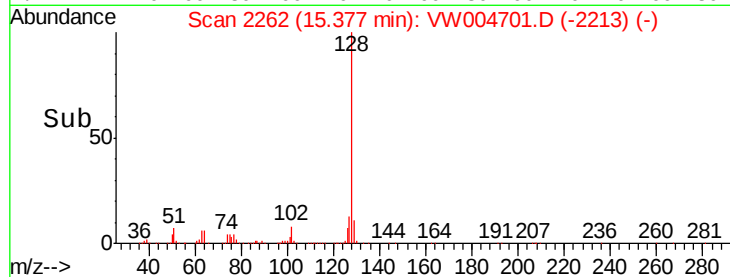
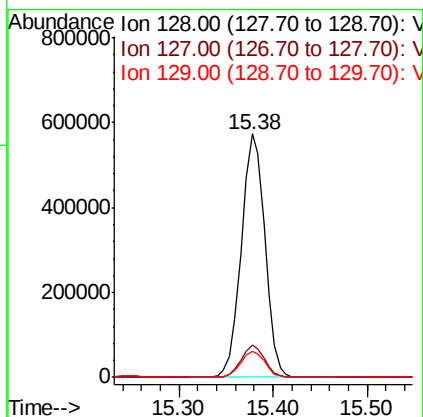
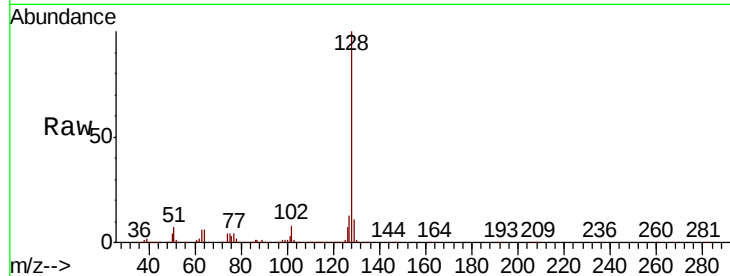




#95
Naphthalene
Concen: 44.853 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

Instrument :
MSVOA_W
ClientSampled :
BFB

Tot Ion:128 Resp: 1003597
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.092 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004701.D
Acq: 15 Aug 2018 17:17

Tgt Ion:180 Resp: 501346
Ion Ratio Lower Upper
180 100
182 95.5 47.0 141.2
145 31.6 15.9 47.6

