

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100618\
 Data File : VW005866.D
 Acq On : 04 Oct 2018 22:47
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Oct 05 01:09:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 07:08:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	300633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	291662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	158493	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	118457	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	
35) Dibromofluoromethane	7.88	113	97755	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.33	98	407932	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.62	95	152391	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	63153	52.819	ug/l	94
3) Chloromethane	2.21	50	68944	47.852	ug/l	99
4) Vinyl Chloride	2.37	62	102036	48.364	ug/l	99
5) Bromomethane	2.78	94	69161	47.040	ug/l	99
6) Chloroethane	2.93	64	63047	48.861	ug/l	94
7) Trichlorofluoromethane	3.26	101	69163	47.667	ug/l	96
8) Diethyl Ether	3.68	74	54931	49.925	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	103135	51.394	ug/l	97
10) Methyl Iodide	4.27	142	163681	50.268	ug/l	99
11) Tert butyl alcohol	5.20	59	35091	228.479	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	102333	52.043	ug/l	96
13) Acrolein	3.89	56	44274	286.909	ug/l	97
14) Allyl chloride	4.67	41	166914	52.305	ug/l	98
15) Acrylonitrile	5.38	53	125278	268.689	ug/l	100
16) Acetone	4.14	43	122510	289.016	ug/l	100
17) Carbon Disulfide	4.38	76	320706	51.583	ug/l	99
18) Methyl Acetate	4.68	43	63304	52.512	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	161040	52.169	ug/l	95
20) Methylene Chloride	4.91	84	113188	48.406	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	112784	52.550	ug/l	97
22) Diisopropyl ether	6.31	45	321746	51.374	ug/l	96
23) Vinyl Acetate	6.26	43	987813	277.662	ug/l	100
24) 1,1-Dichloroethane	6.21	63	200012	49.219	ug/l	100
25) 2-Butanone	7.18	43	162940	273.262	ug/l	100
26) 2,2-Dichloropropane	7.16	77	125216	49.349	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	119447	49.930	ug/l	98
28) Bromochloromethane	7.51	49	65736	45.799	ug/l	99
29) Tetrahydrofuran	7.53	42	103028	279.891	ug/l	98
30) Chloroform	7.68	83	214783	49.319	ug/l	99
31) Cyclohexane	7.96	56	180352	51.914	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	181651	48.871	ug/l	99
36) 1,1-Dichloropropene	8.09	75	164002	54.881	ug/l	99
37) Ethyl Acetate	7.26	43	68440	55.029	ug/l	99
38) Carbon Tetrachloride	8.07	117	177587	53.334	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	202569	60.215	ug/l	95
40) Benzene	8.33	78	457926	52.874	ug/l	98
41) Methacrylonitrile	7.49	41	42986	57.839	ug/l	94
42) 1,2-Dichloroethane	8.40	62	150904	51.804	ug/l	99
43) Isopropyl Acetate	8.43	43	140250	57.051	ug/l	100
44) Trichloroethene	9.10	130	120584	52.680	ug/l	97
45) 1,2-Dichloropropane	9.37	63	109697	53.489	ug/l	99
46) Dibromomethane	9.46	93	61275	54.630	ug/l	98
47) Bromodichloromethane	9.65	83	152615	51.411	ug/l	98
48) Methyl methacrylate	9.44	41	68719	57.739	ug/l	96
49) 1,4-Dioxane	9.47	88	19901	1135.594	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	374856	293.104	ug/l	99
52) Toluene	10.39	92	307417	55.692	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	161624	55.762	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	181249	55.854	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	86742	53.532	ug/l	98
56) Ethyl methacrylate	10.65	69	114448	58.975	ug/l	99
57) 1,3-Dichloropropane	10.94	76	151177	54.803	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	212986	266.967	ug/l	99
59) 2-Hexanone	10.98	43	266012	310.977	ug/l	98
60) Dibromochloromethane	11.13	129	107999	53.392	ug/l	97
61) 1,2-Dibromoethane	11.24	107	83512	55.484	ug/l	99
64) Tetrachloroethene	10.87	164	118687	52.132	ug/l	98
65) Chlorobenzene	11.66	112	331727	52.017	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	122421	51.790	ug/l	99
67) Ethyl Benzene	11.74	91	602442	55.169	ug/l	99
68) m/p-Xylenes	11.85	106	461597	109.699	ug/l	99
69) o-Xylene	12.17	106	215171	55.015	ug/l	100
70) Styrene	12.18	104	371624	56.018	ug/l	99
71) Bromoform	12.35	173	69859	53.685	ug/l #	100
73) Isopropylbenzene	12.47	105	617728	56.646	ug/l	100
74) N-amyl acetate	12.28	43	139242	58.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	104017	55.593	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	146865	101.961	ug/l #	100
77) Bromobenzene	12.75	156	144218	53.564	ug/l	99
78) n-propylbenzene	12.81	91	713076	54.976	ug/l	99
79) 2-Chlorotoluene	12.90	91	423624	54.834	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	536927	56.697	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	34107	59.855	ug/l	98
82) 4-Chlorotoluene	12.99	91	455182	55.896	ug/l	99
83) tert-Butylbenzene	13.21	119	454231	57.514	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	548985	56.458	ug/l	99
85) sec-Butylbenzene	13.39	105	649699	56.988	ug/l	100
86) p-Isopropyltoluene	13.51	119	593956	58.041	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	287936	53.012	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	290381	53.583	ug/l	99
89) n-Butylbenzene	13.83	91	548042	58.149	ug/l	100
90) Hexachloroethane	14.10	117	101380	52.690	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	260316	53.306	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20175	55.773	ug/l	97

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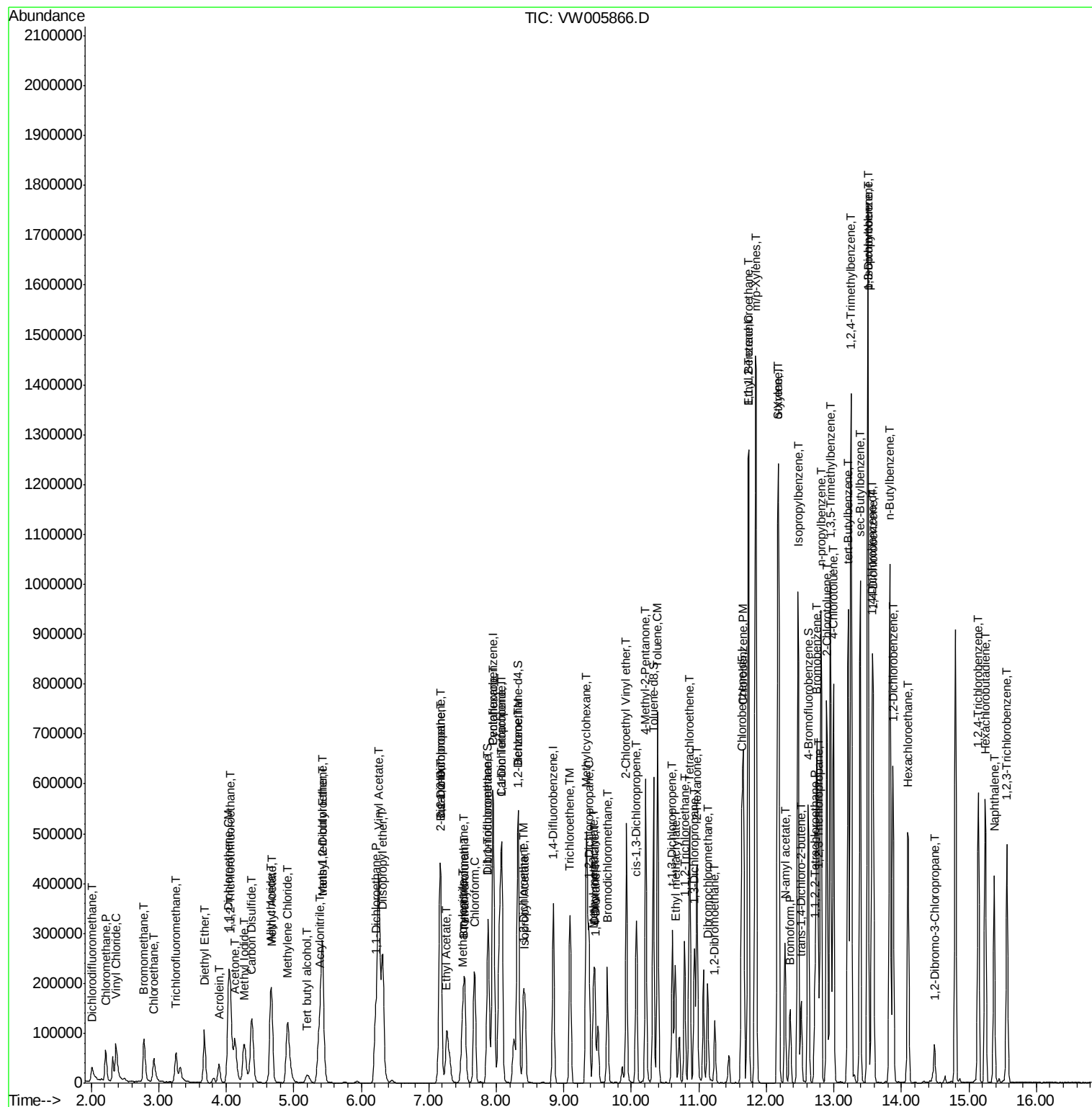
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	191009	55.968	ug/l	99
94) Hexachlorobutadiene	15.24	225	118260	54.800	ug/l	99
95) Naphthalene	15.38	128	347674	53.533	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	171507	55.897	ug/l	99

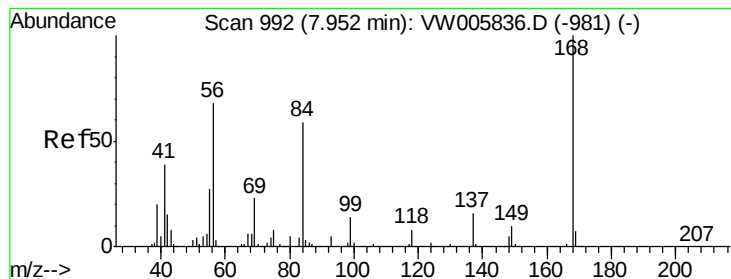
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

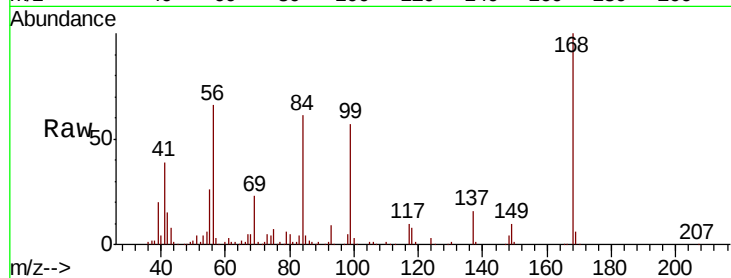
BFB

Tgt Ion:168 Resp: 209368

Ion Ratio Lower Upper

168 100

99 56.9 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

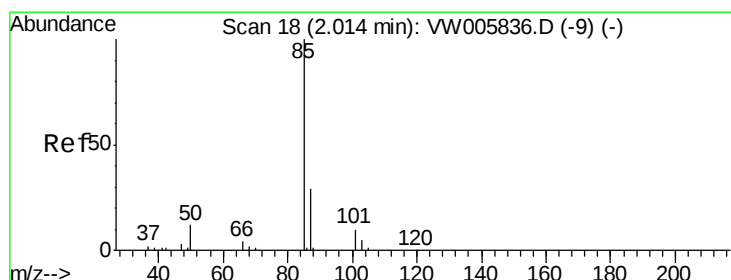
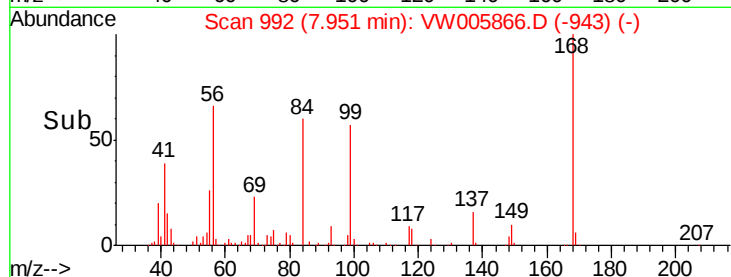
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 52.819 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW005866.D

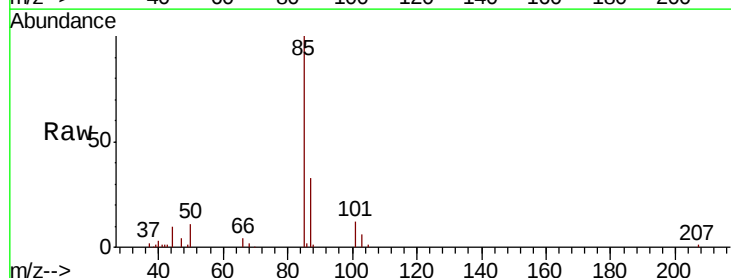
Acq: 04 Oct 2018 22:47

Tgt Ion: 85 Resp: 63153

Ion Ratio Lower Upper

85 100

87 32.9 14.8 44.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

10000

5000

0

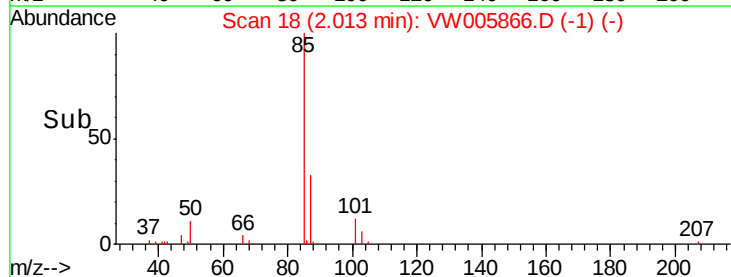
1.90

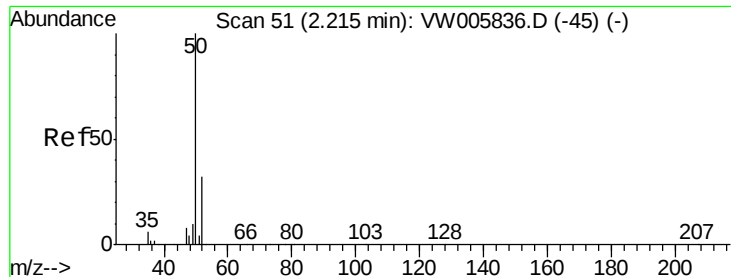
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 47.852 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampled :

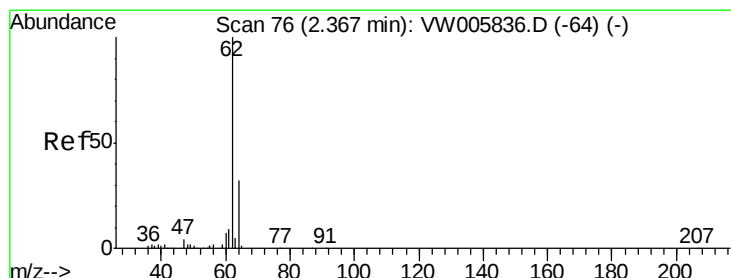
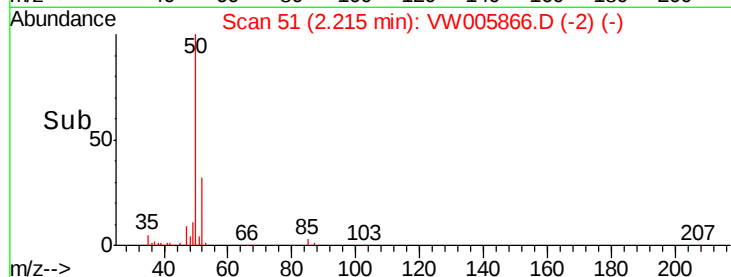
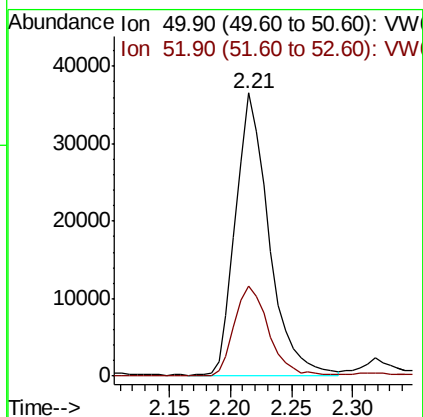
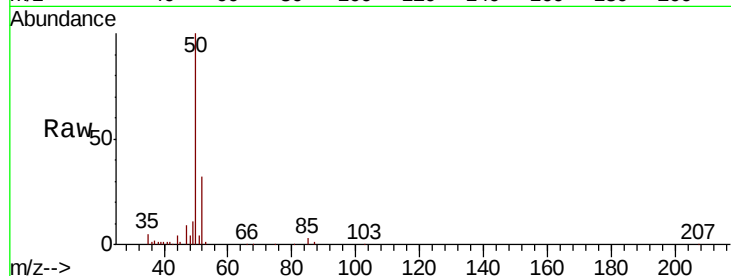
BFB

Tgt Ion: 50 Resp: 68944

Ion Ratio Lower Upper

50 100

52 31.8 26.0 39.0



#4

Vinyl Chloride

Concen: 48.364 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005866.D

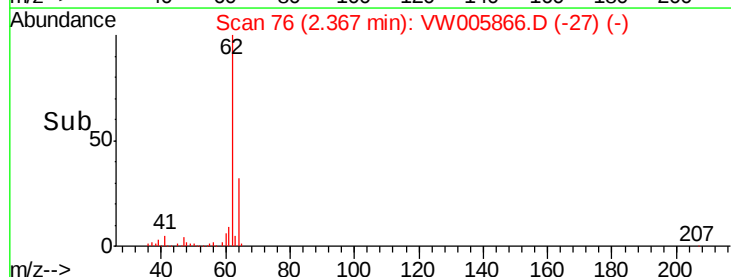
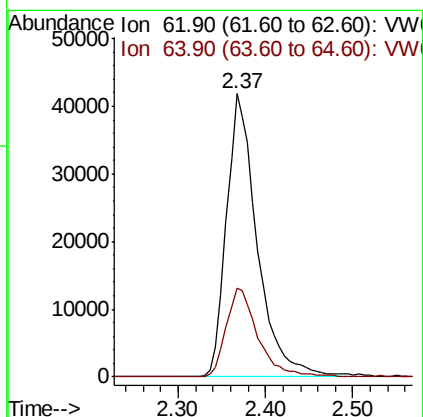
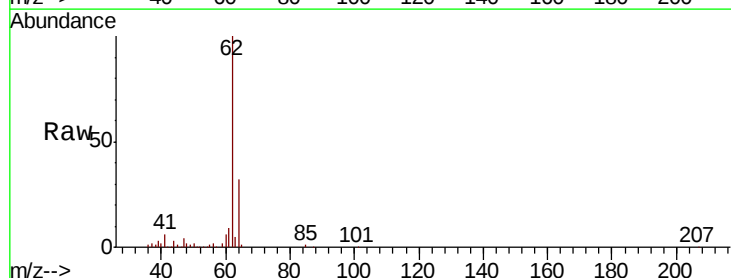
Acq: 04 Oct 2018 22:47

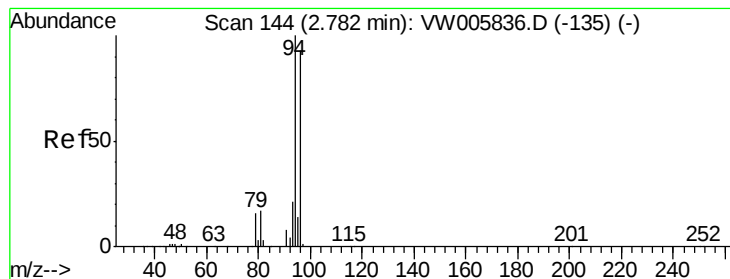
Tgt Ion: 62 Resp: 102036

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 47.040 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

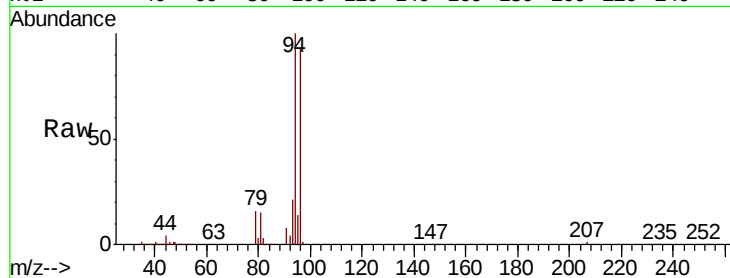
BFB

Tgt Ion: 94 Resp: 69161

Ion Ratio Lower Upper

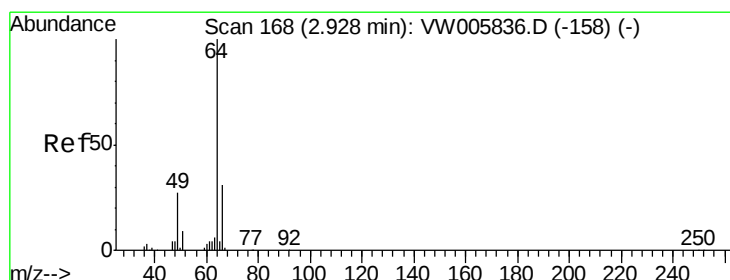
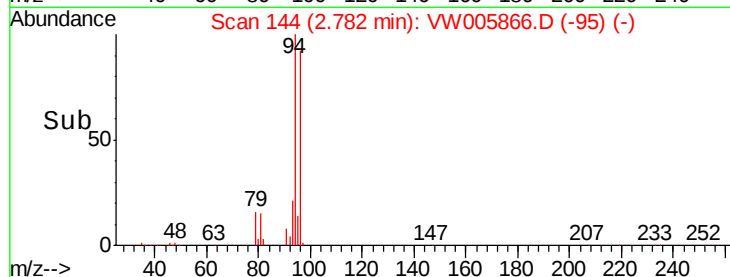
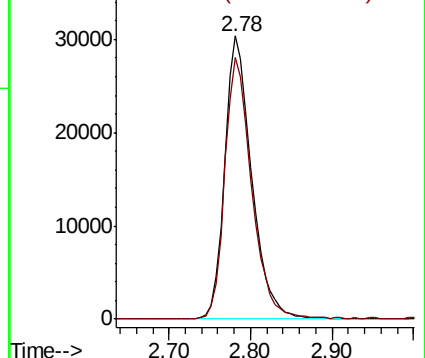
94 100

96 92.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 48.861 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW005866.D

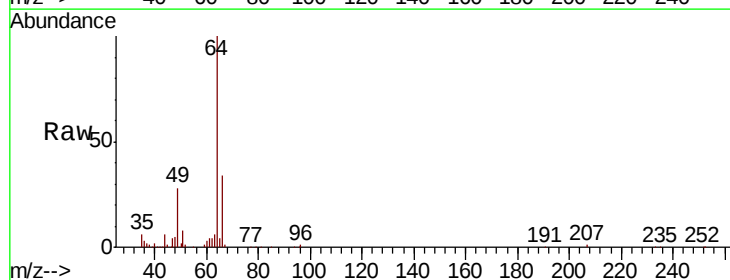
Acq: 04 Oct 2018 22:47

Tgt Ion: 64 Resp: 63047

Ion Ratio Lower Upper

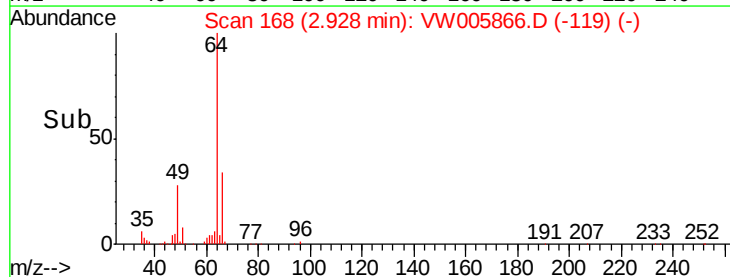
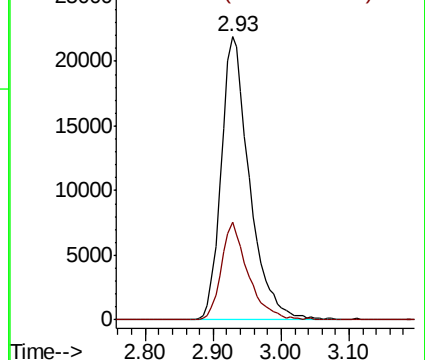
64 100

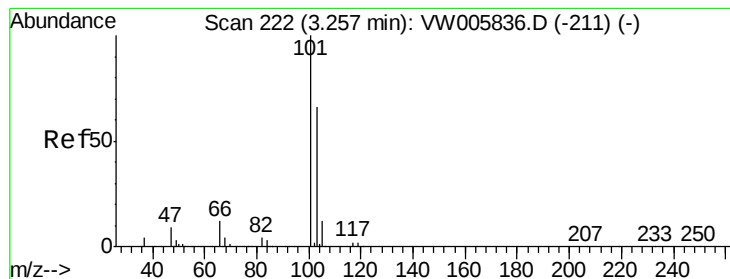
66 34.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



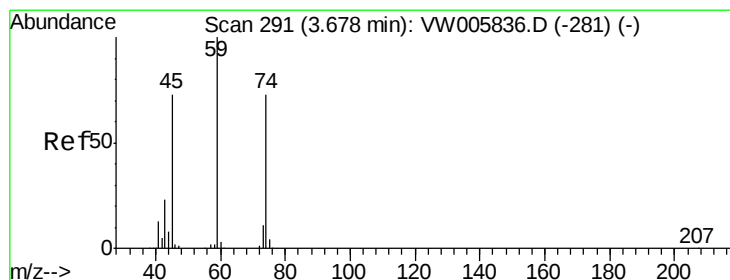
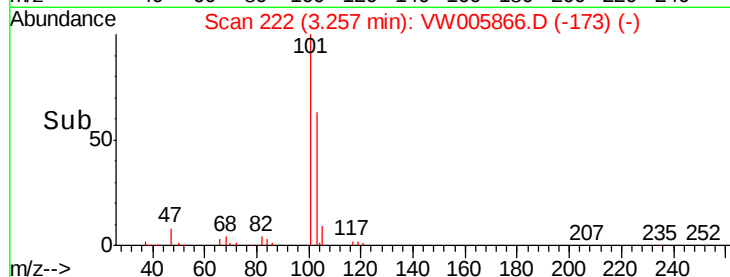
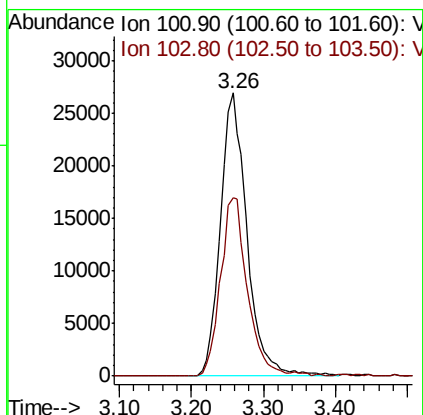
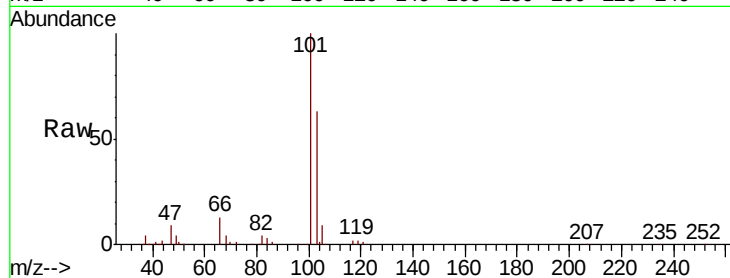


#7

Trichlorofluoromethane
 Concen: 47.667 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Instrument :
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 ClientSampled :
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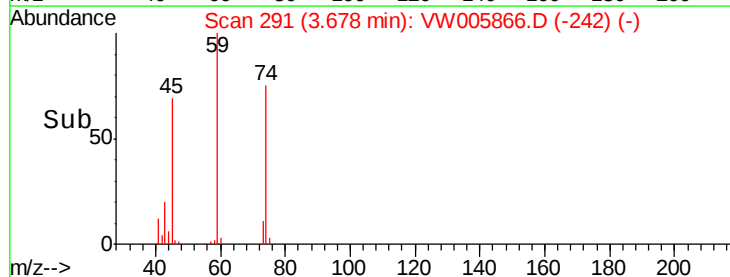
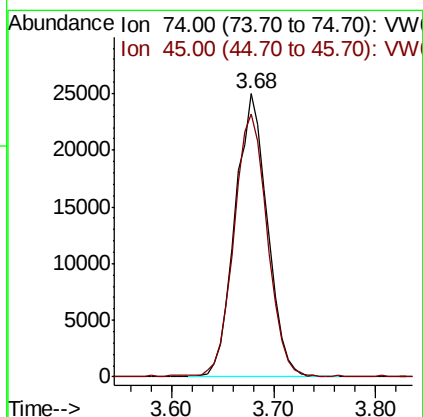
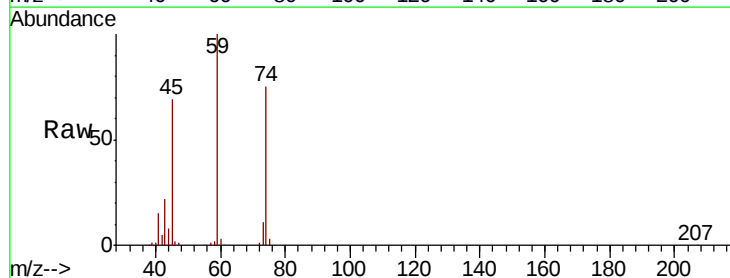
Tgt Ion: 101 Resp: 69163
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.5 78.7

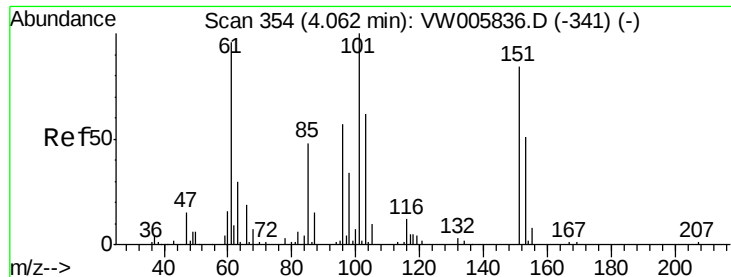


#8

Diethyl Ether
 Concen: 49.925 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion: 74 Resp: 54931
 Ion Ratio Lower Upper
 74 100
 45 95.1 49.1 147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.394 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

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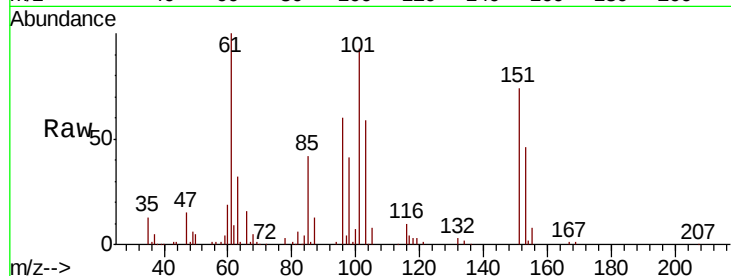
Tgt Ion:101 Resp: 103135

Ion Ratio Lower Upper

101 100

85 44.8 35.5 53.3

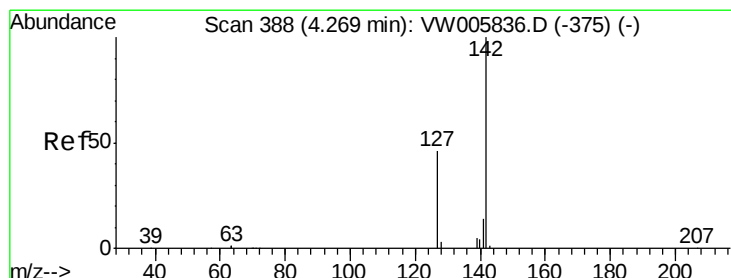
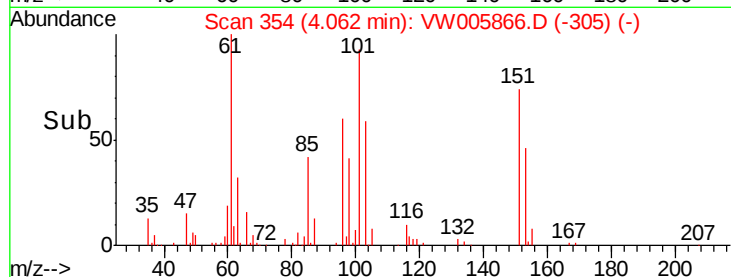
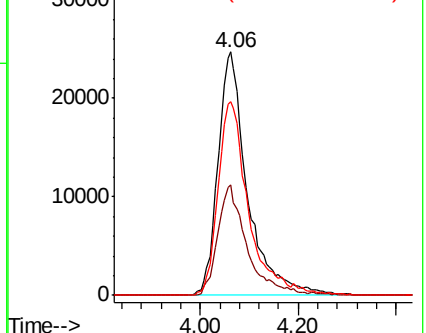
151 80.1 67.4 101.2



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: 50.268 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

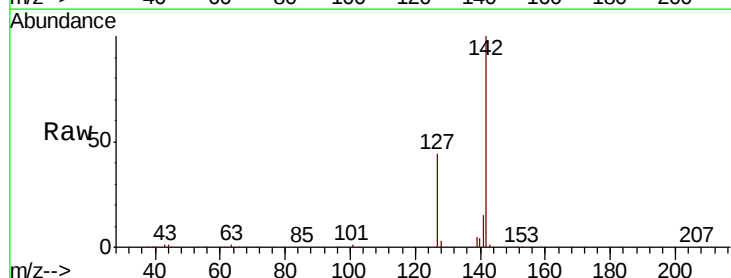
Tgt Ion:142 Resp: 163681

Ion Ratio Lower Upper

142 100

127 45.5 37.4 56.0

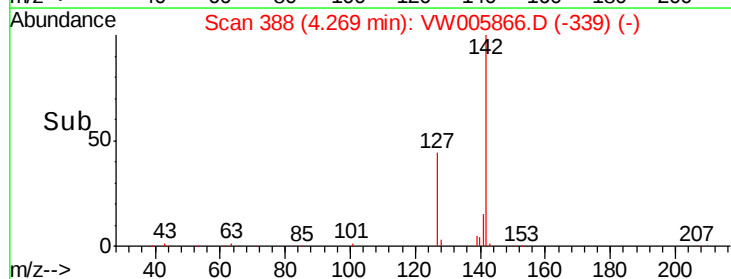
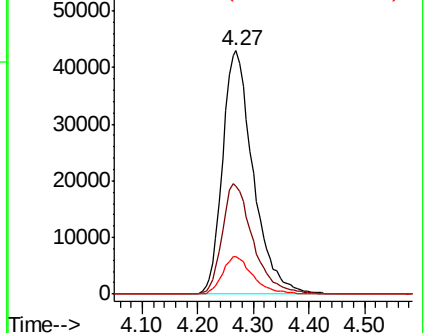
141 15.2 12.2 18.2

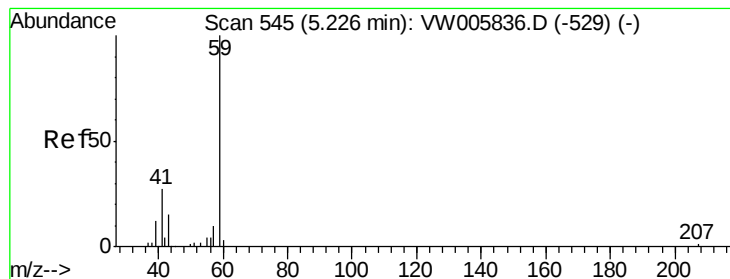


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



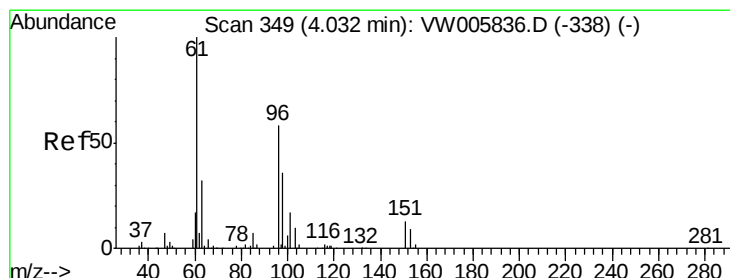
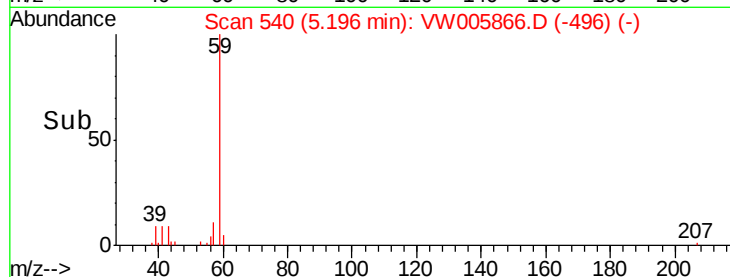
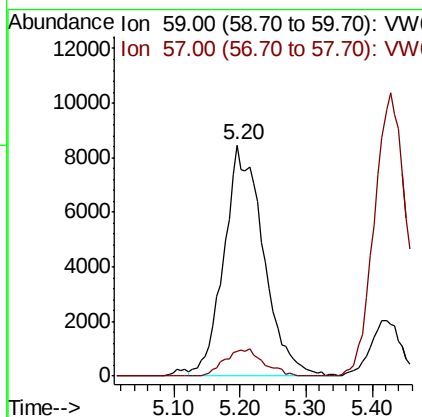
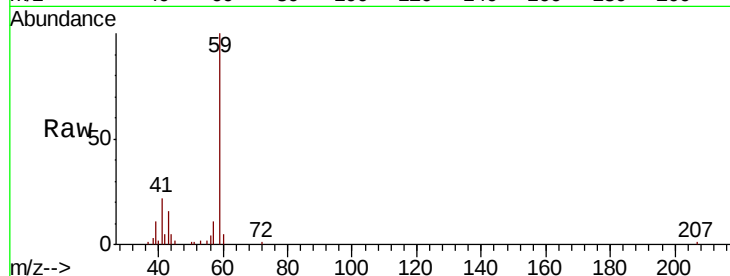


#11

Tert butyl alcohol
 Concen: 228.479 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. -0.03 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

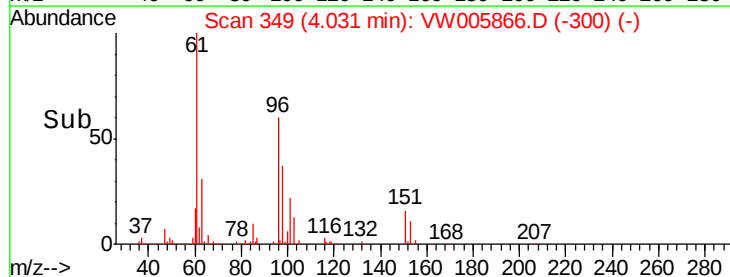
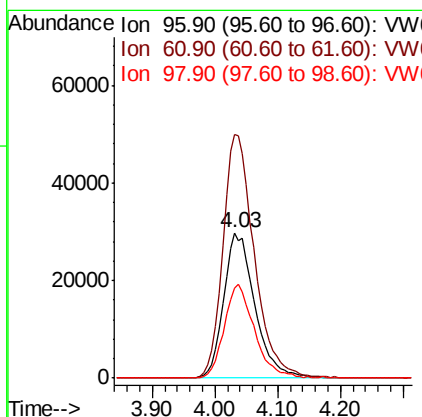
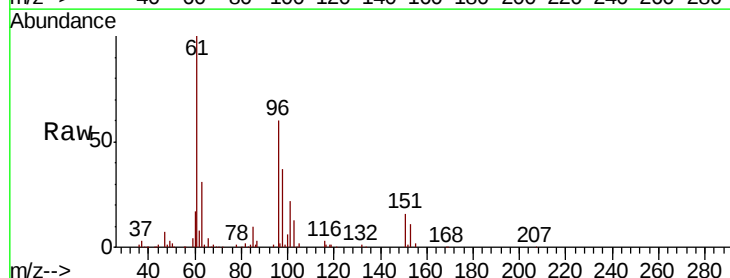
Tgt Ion: 59 Resp: 35091
 Ion Ratio Lower Upper
 59 100
 57 11.5 4.9 7.3#

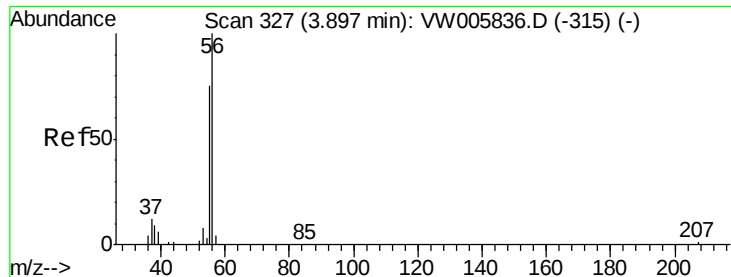


#12

1,1-Dichloroethene
 Concen: 52.043 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion: 96 Resp: 102333
 Ion Ratio Lower Upper
 96 100
 61 167.3 138.8 208.2
 98 61.6 50.6 75.8





#13

Acrolein

Concen: 286.909 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

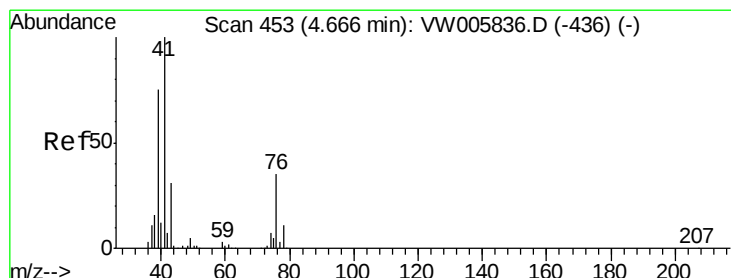
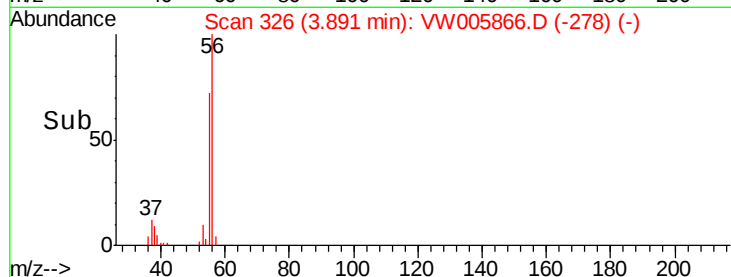
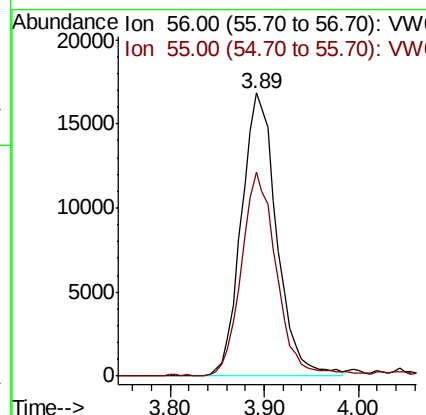
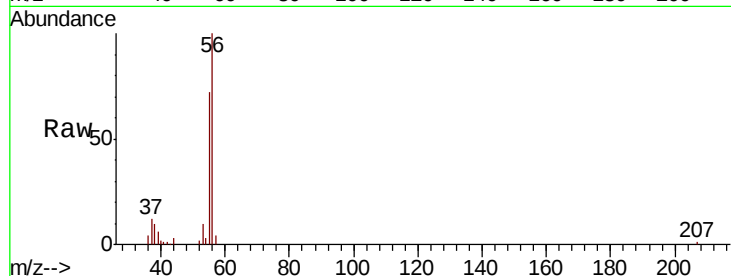
BFB

Tgt Ion: 56 Resp: 44274

Ion Ratio Lower Upper

56 100

55 71.6 59.2 88.8



#14

Allyl chloride

Concen: 52.305 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

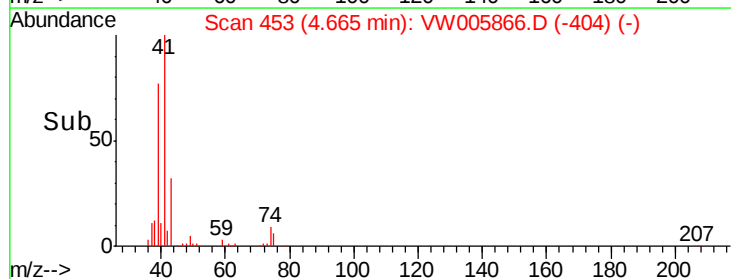
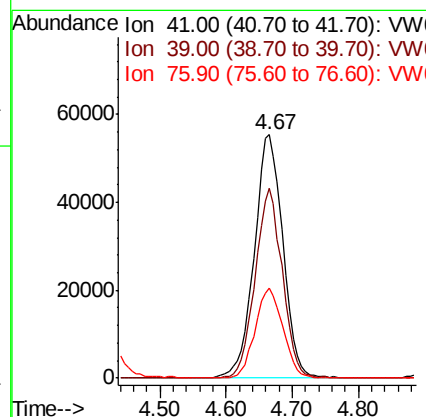
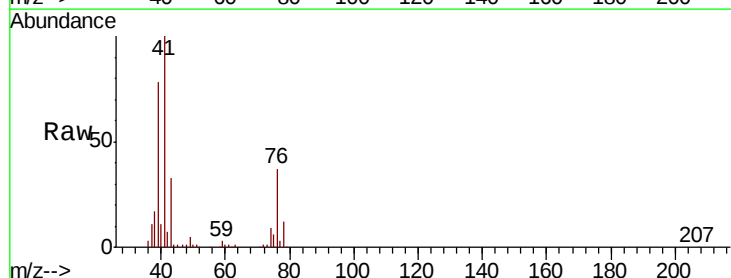
Tgt Ion: 41 Resp: 166914

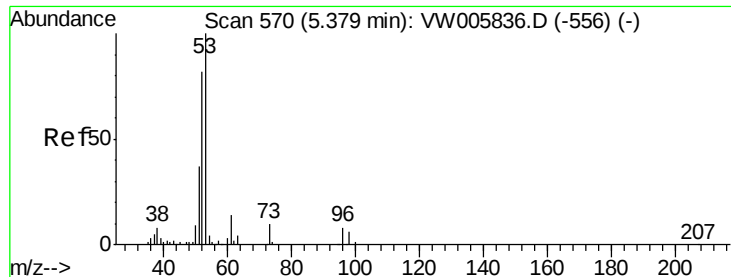
Ion Ratio Lower Upper

41 100

39 73.8 60.3 90.5

76 35.6 28.9 43.3





#15

Acrylonitrile

Concen: 268.689 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampled :

BFB

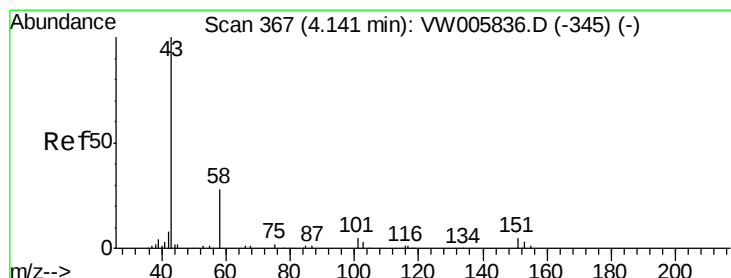
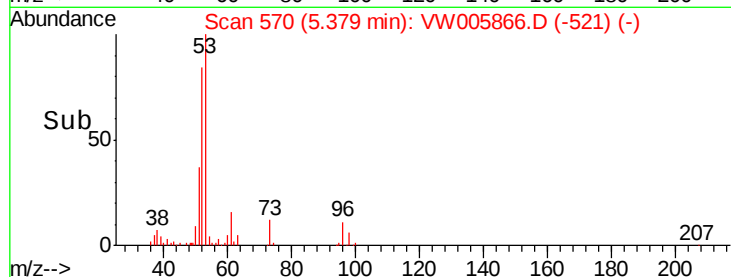
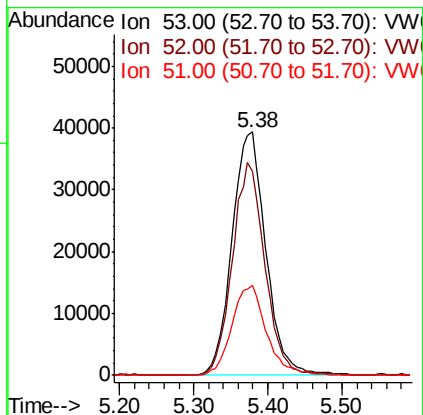
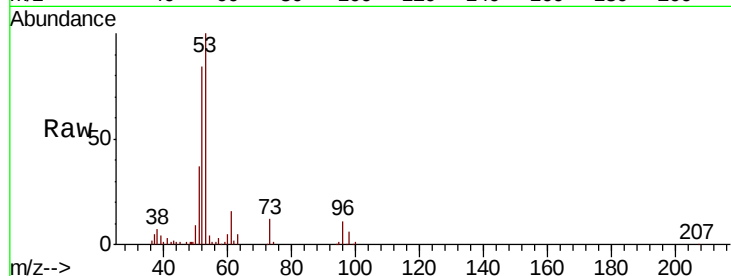
Tgt Ion: 53 Resp: 125278

Ion Ratio Lower Upper

53 100

52 84.1 67.3 100.9

51 38.0 30.2 45.2



#16

Acetone

Concen: 289.016 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW005866.D

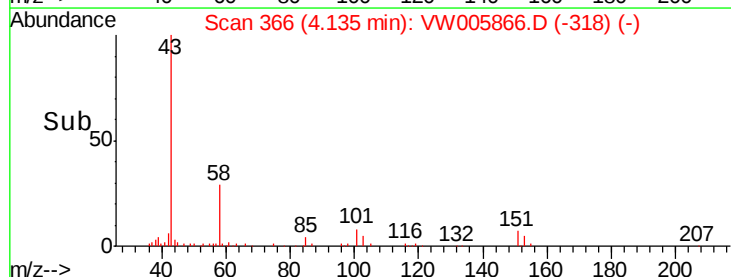
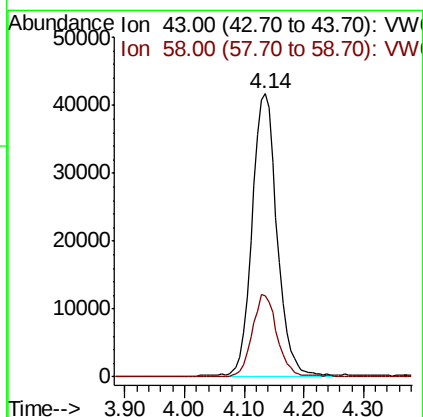
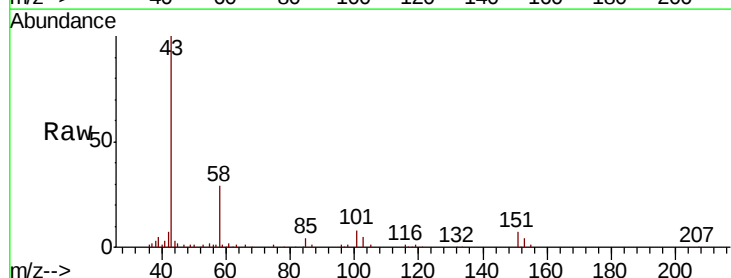
Acq: 04 Oct 2018 22:47

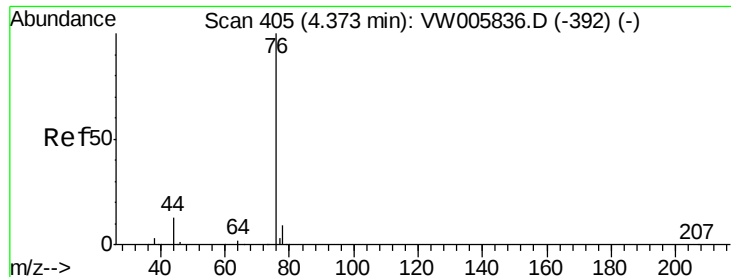
Tgt Ion: 43 Resp: 122510

Ion Ratio Lower Upper

43 100

58 28.6 23.0 34.4

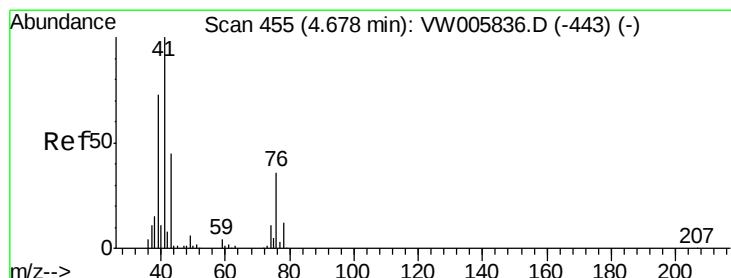
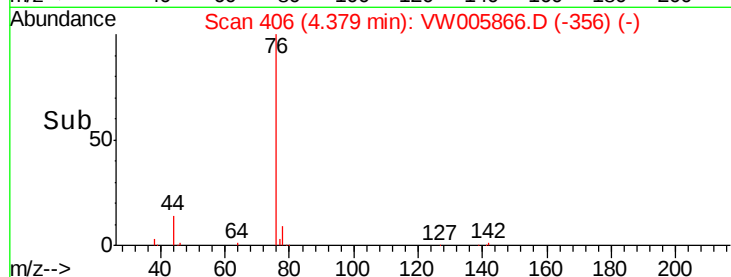
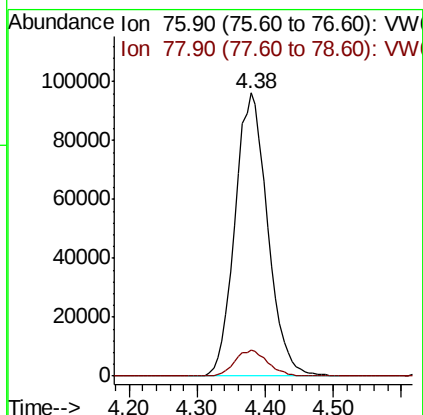
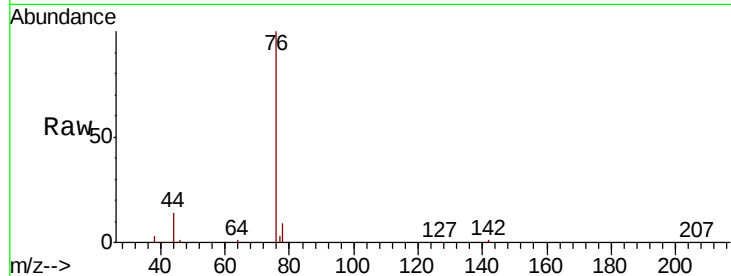




#17
Carbon Disulfide
Concen: 51.583 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

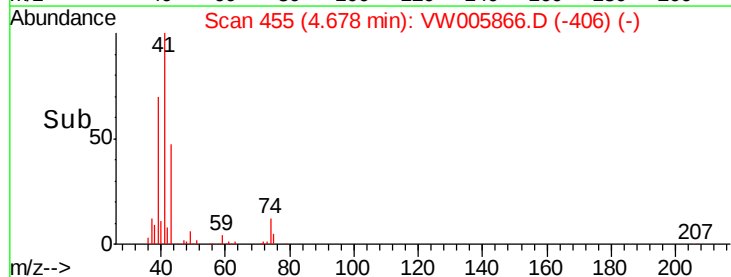
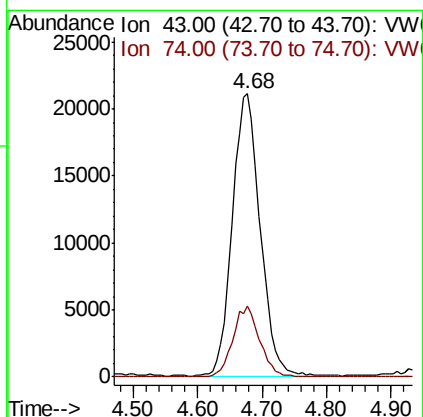
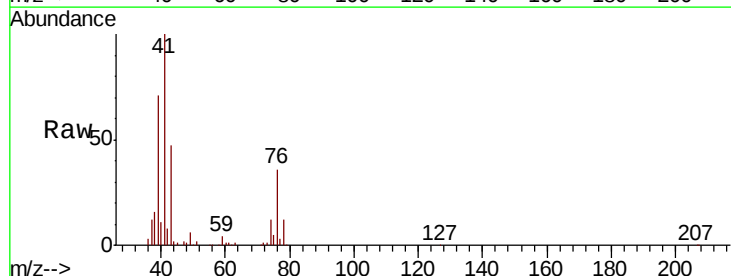
Instrument :
MSVOA_W
ClientSampled :
BFB

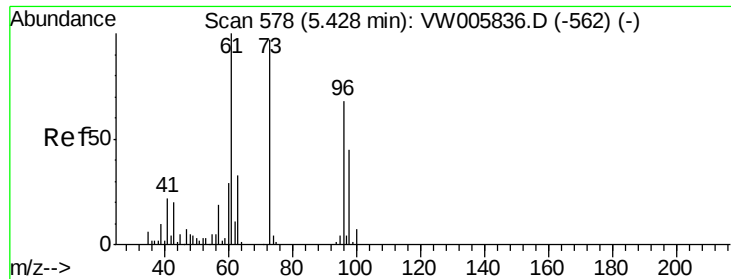
Tgt Ion: 76 Resp: 320706
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 52.512 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Tgt Ion: 43 Resp: 63304
Ion Ratio Lower Upper
43 100
74 24.1 19.5 29.3

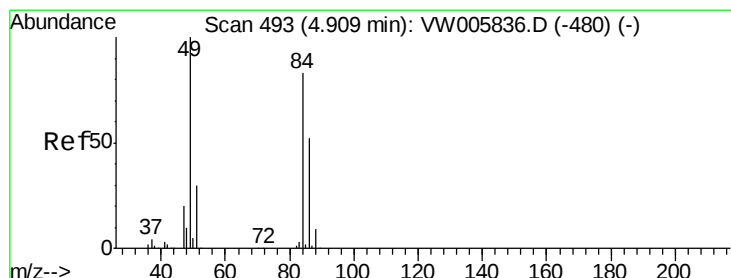
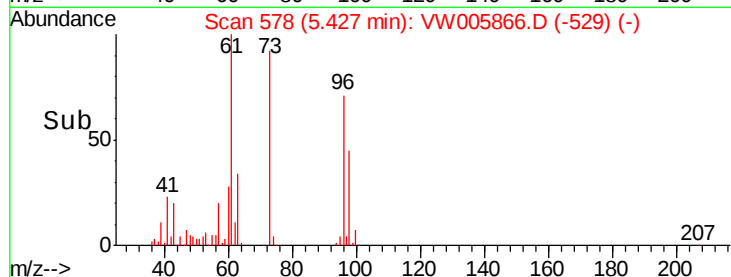
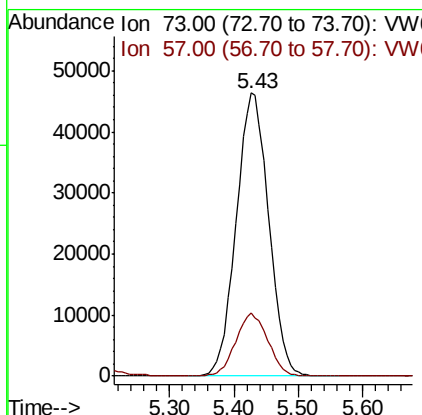
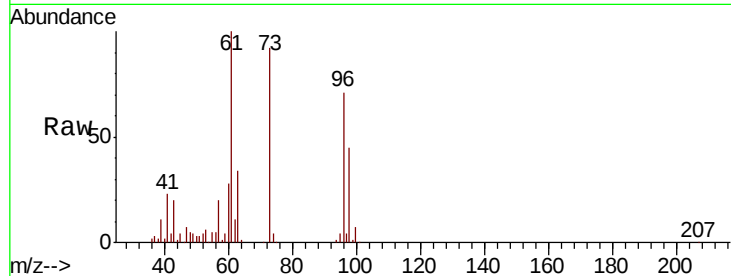




#19
Methyl tert-butyl Ether
Concen: 52.169 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

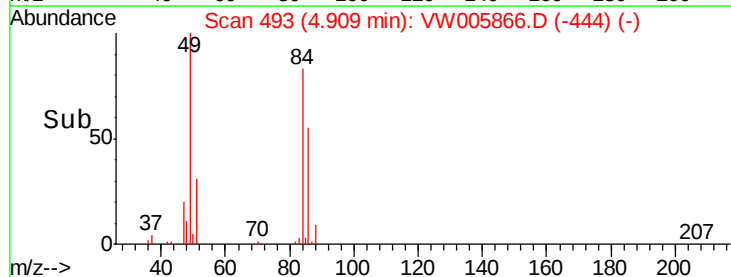
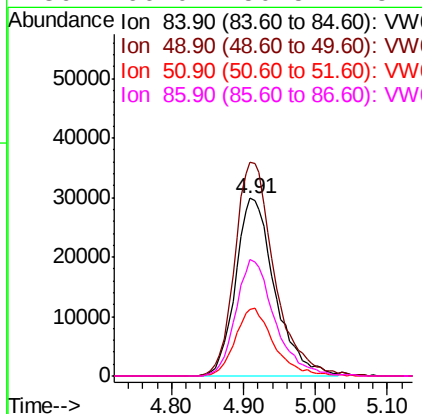
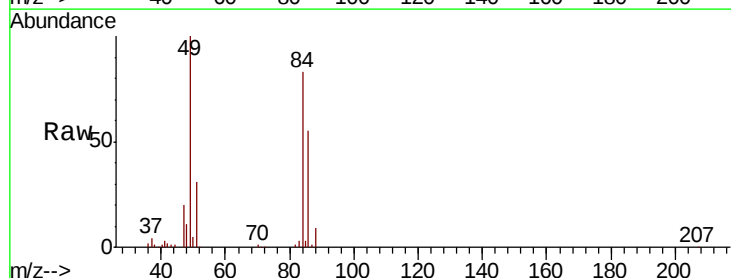
Instrument :
MSVOA_W
ClientSampled :
BFB

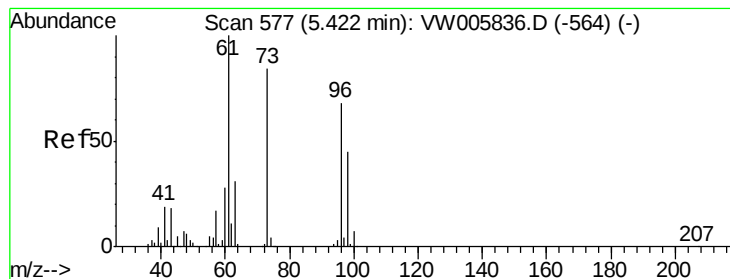
Tgt Ion: 73 Resp: 161040
Ion Ratio Lower Upper
73 100
57 22.4 15.9 23.9



#20
Methylene Chloride
Concen: 48.406 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Tgt Ion: 84 Resp: 113188
Ion Ratio Lower Upper
84 100
49 120.4 96.8 145.2
51 37.4 28.8 43.2
86 66.0 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 52.550 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

BFB

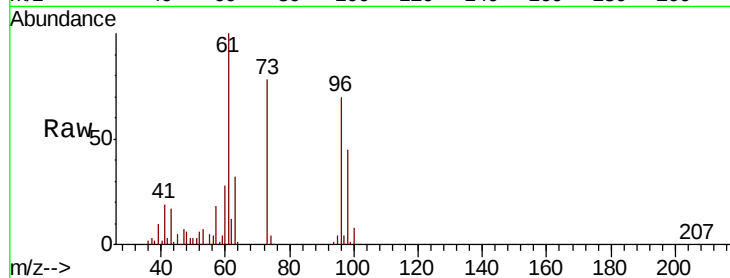
Tgt Ion: 96 Resp: 112784

Ion Ratio Lower Upper

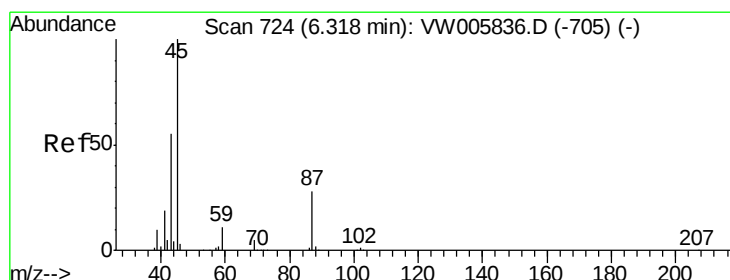
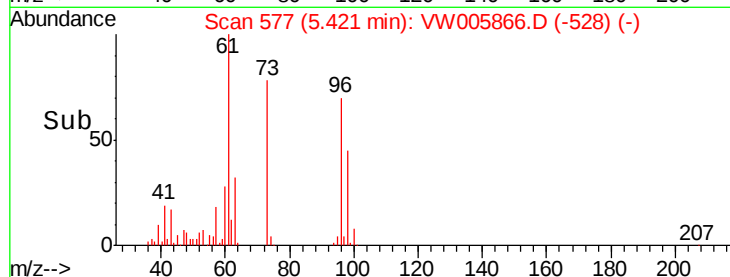
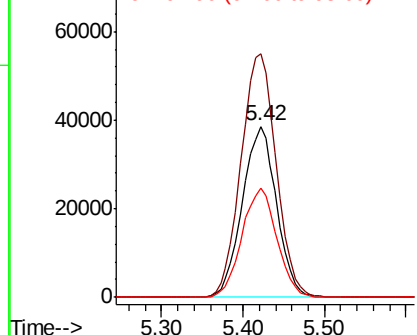
96 100

61 142.3 117.0 175.6

98 64.1 52.2 78.2



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



#22

Diisopropyl ether

Concen: 51.374 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Tgt Ion: 45 Resp: 321746

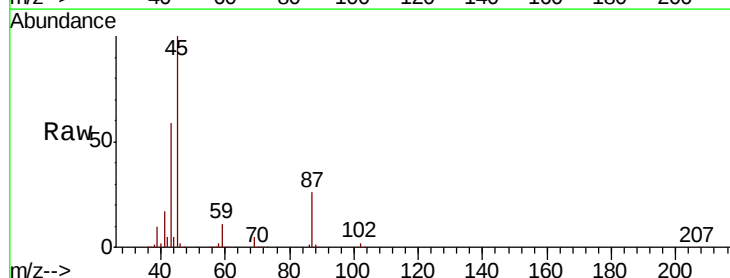
Ion Ratio Lower Upper

45 100

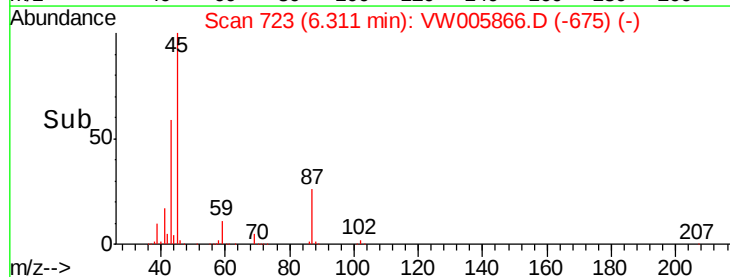
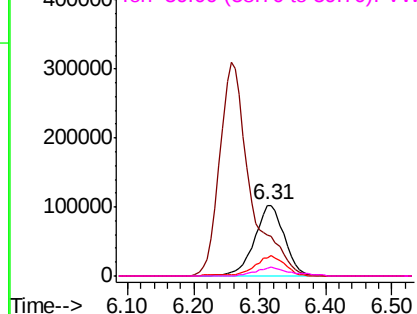
43 58.1 44.6 67.0

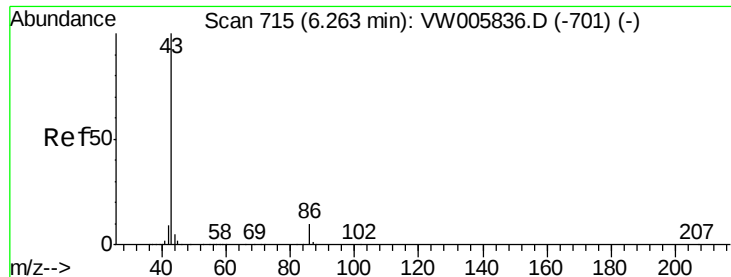
87 25.5 23.4 35.2

59 10.7 9.0 13.6



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





#23

Vinyl Acetate

Concen: 277.662 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

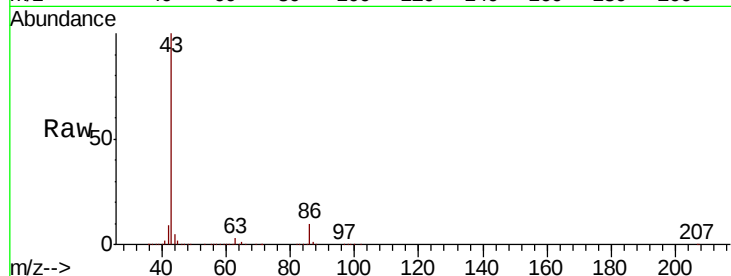
BFB

Tgt Ion: 43 Resp: 987813

Ion Ratio Lower Upper

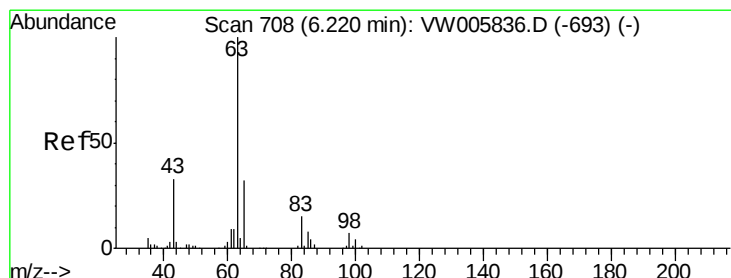
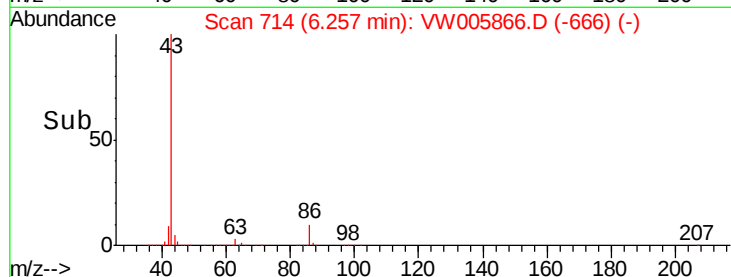
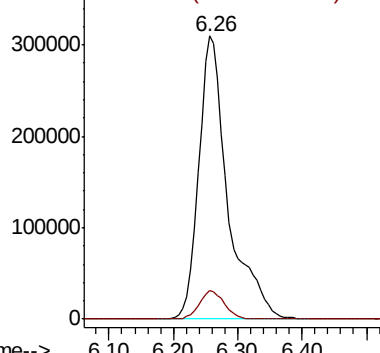
43 100

86 10.1 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.219 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

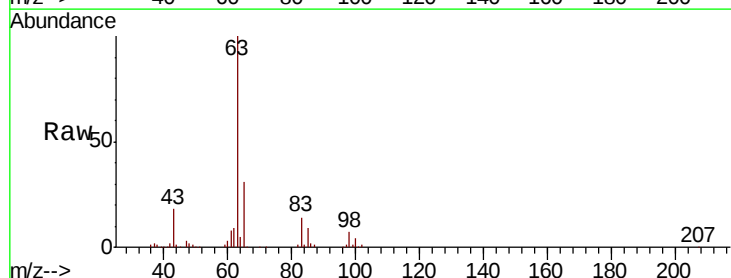
Tgt Ion: 63 Resp: 200012

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

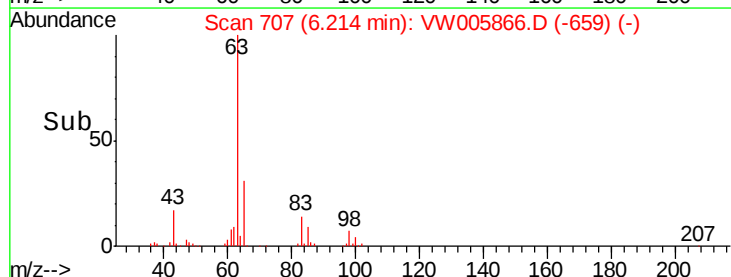
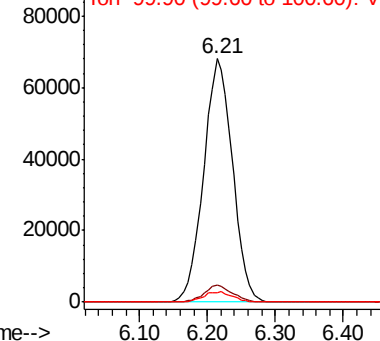
100 3.7 2.0 6.0

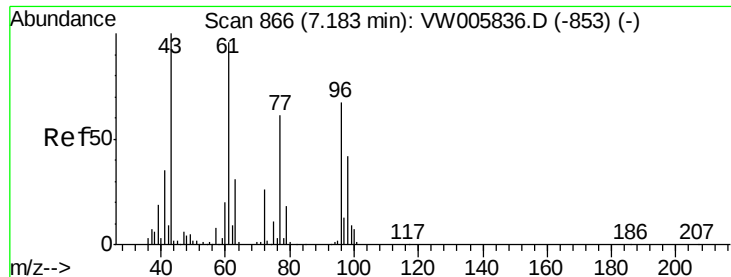


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 273.262 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampled :

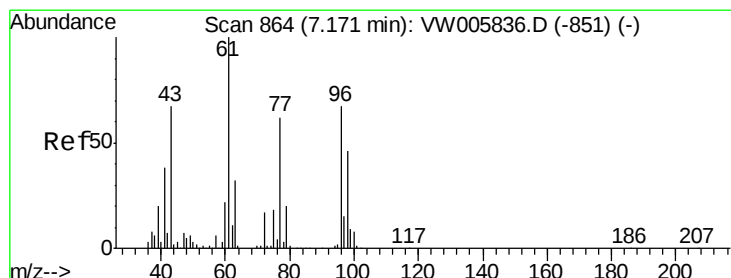
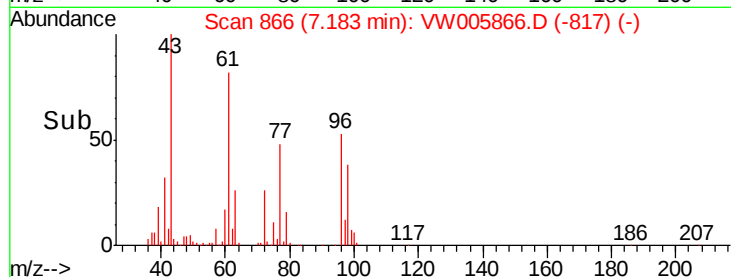
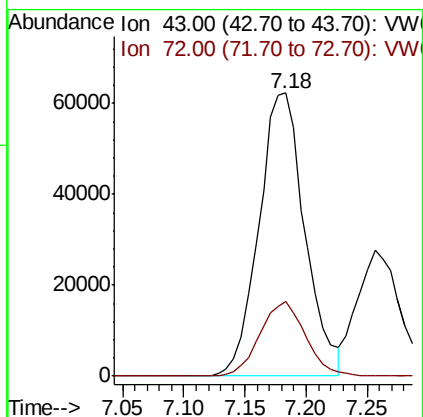
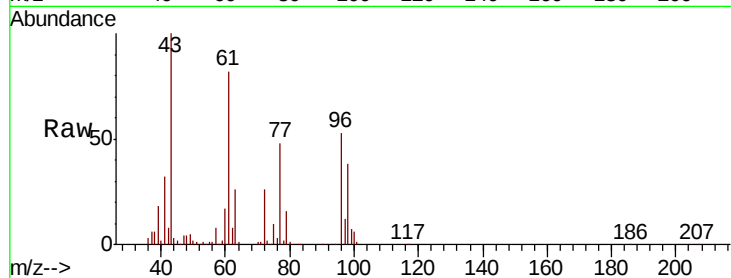
BFB

Tgt Ion: 43 Resp: 162940

Ion Ratio Lower Upper

43 100

72 26.4 20.9 31.3



#26

2,2-Dichloropropane

Concen: 49.349 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW005866.D

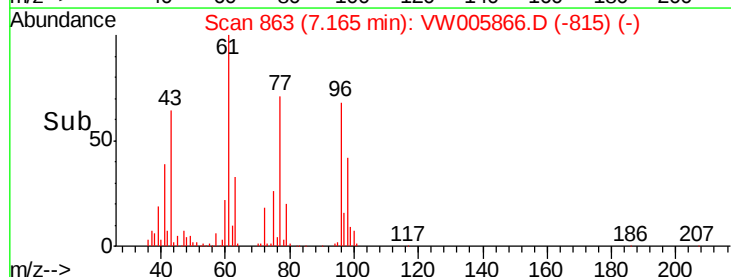
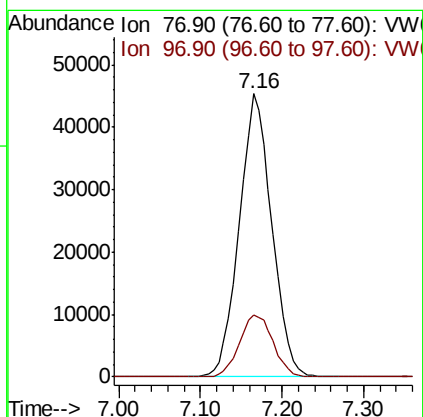
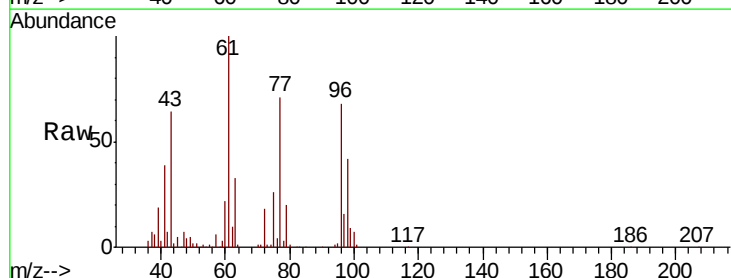
Acq: 04 Oct 2018 22:47

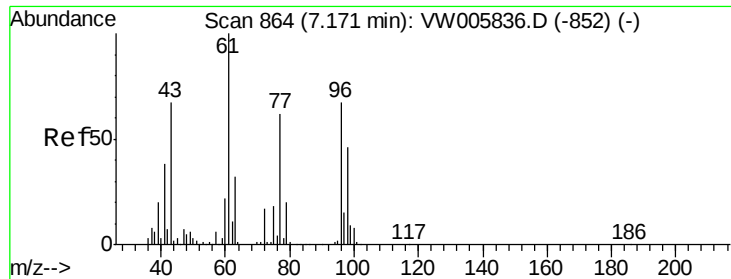
Tgt Ion: 77 Resp: 125216

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.0

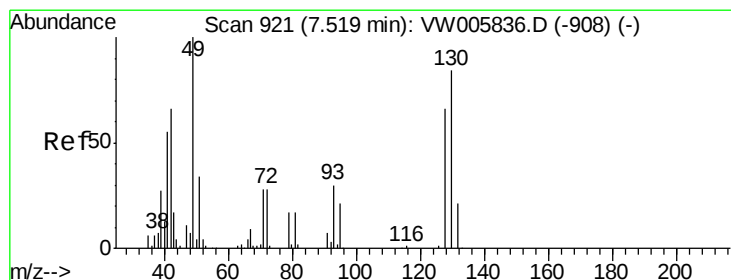
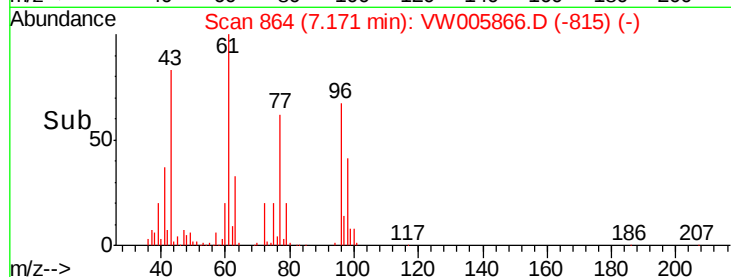
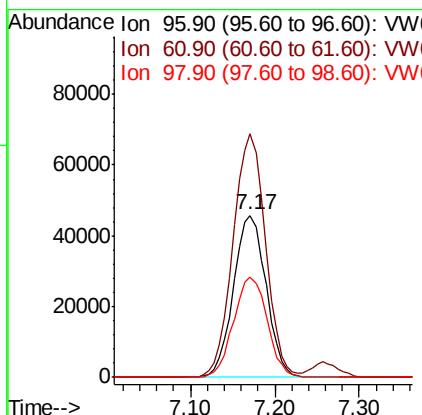
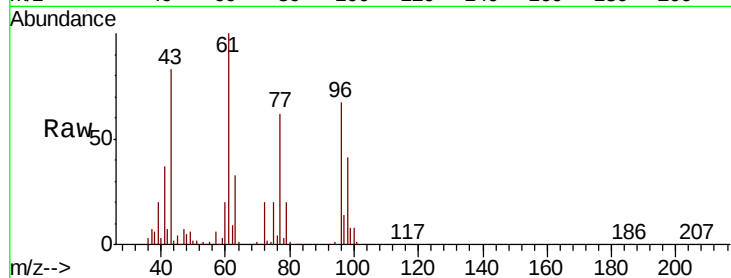




#27
 cis-1,2-Dichloroethene
 Concen: 49.930 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

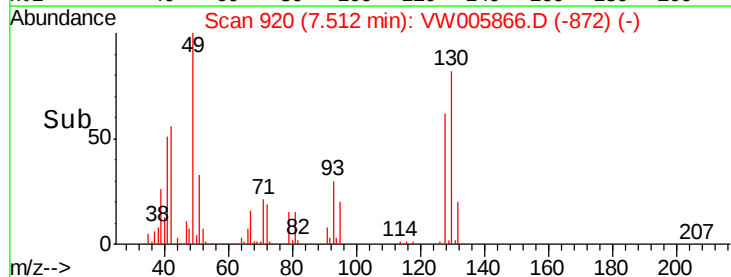
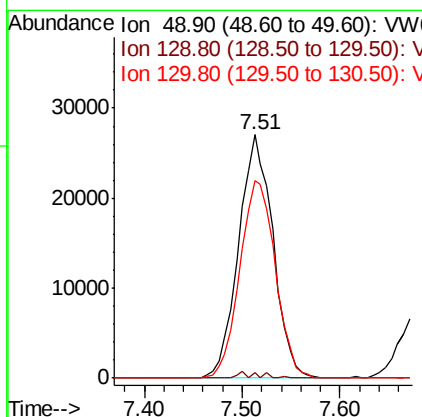
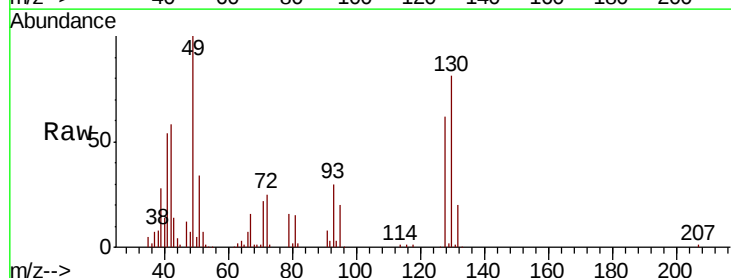
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

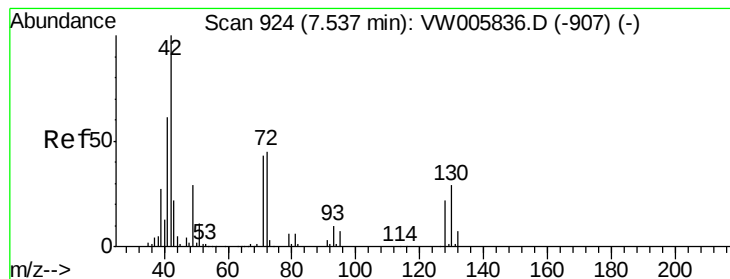
Tgt Ion: 96 Resp: 119447
 Ion Ratio Lower Upper
 96 100
 61 149.6 0.0 296.4
 98 63.6 0.0 131.4



#28
 Bromochloromethane
 Concen: 45.799 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion: 49 Resp: 65736
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 2.2
 130 83.8 66.4 99.6





#29

Tetrahydrofuran

Concen: 279.891 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

BFB

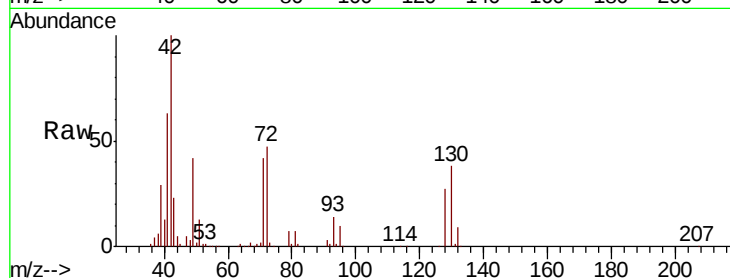
Tgt Ion: 42 Resp: 103028

Ion Ratio Lower Upper

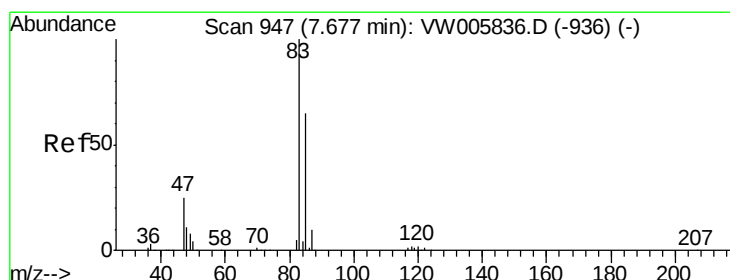
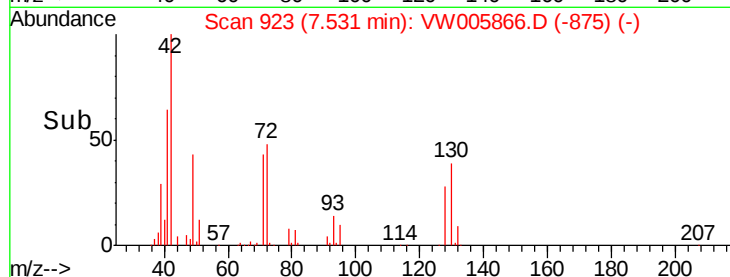
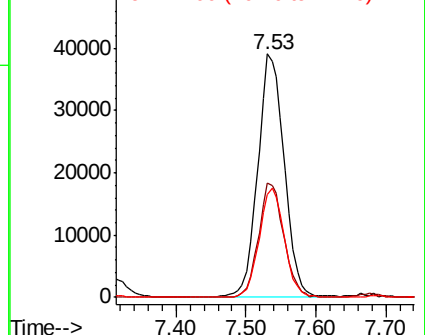
42 100

72 44.7 34.6 51.8

71 42.5 33.6 50.4



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



#30

Chloroform

Concen: 49.319 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005866.D

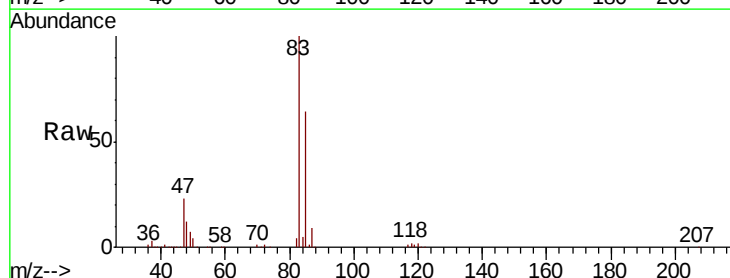
Acq: 04 Oct 2018 22:47

Tgt Ion: 83 Resp: 214783

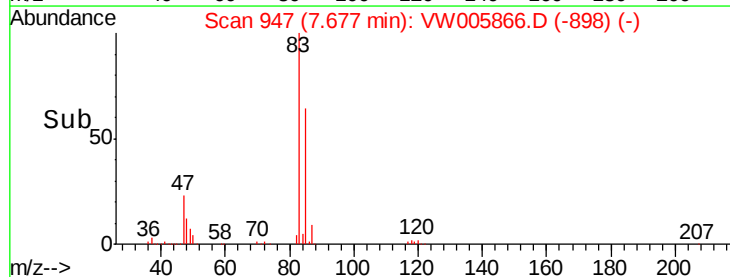
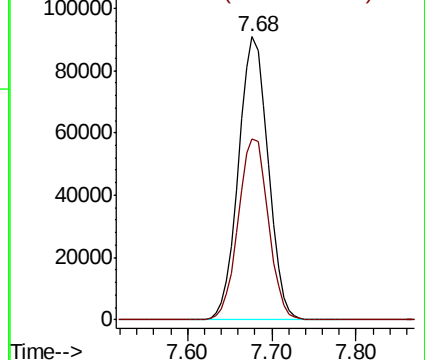
Ion Ratio Lower Upper

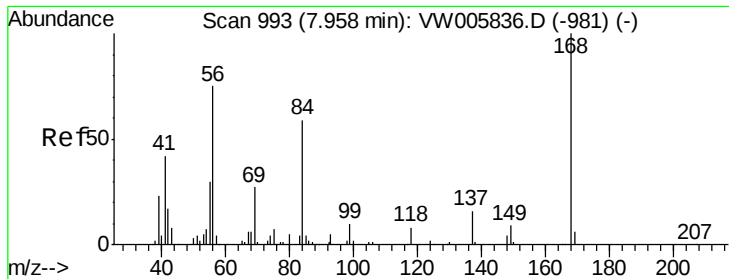
83 100

85 63.8 51.6 77.4



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

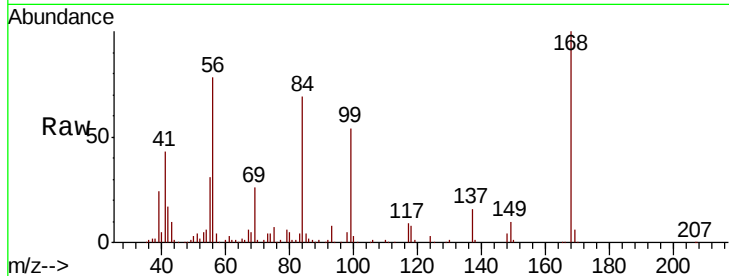




#31
Cyclohexane
Concen: 51.914 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.9	29.0	43.4
84	86.9	63.5	95.3

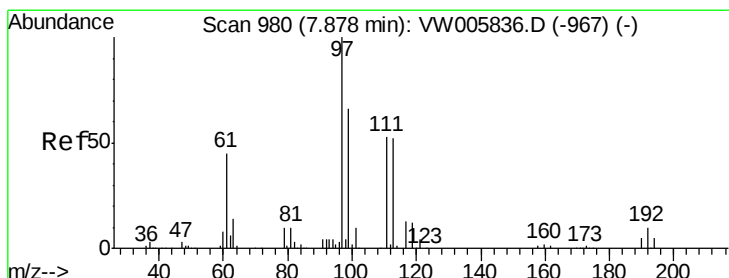
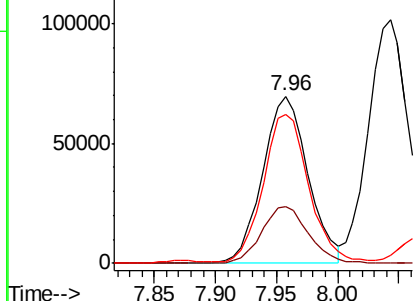
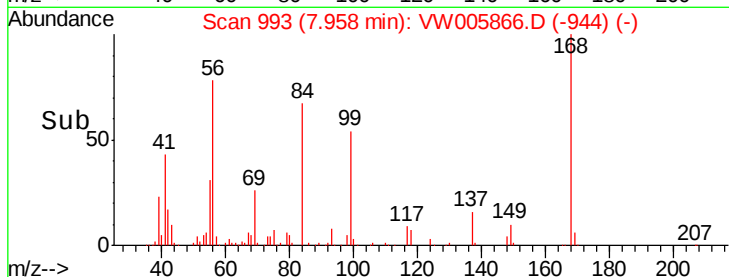


Abundance

Ion 56.00 (55.70 to 56.70): VW

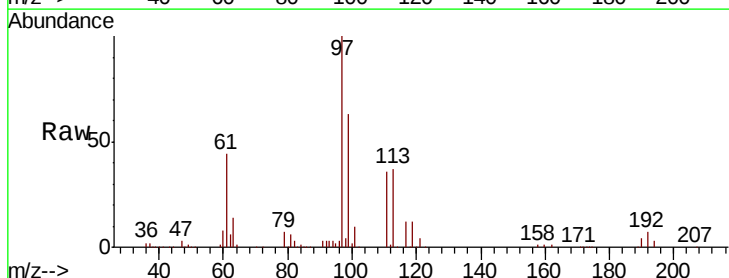
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32
1,1,1-Trichloroethane
Concen: 48.871 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.2	76.8
61	43.2	35.5	53.3

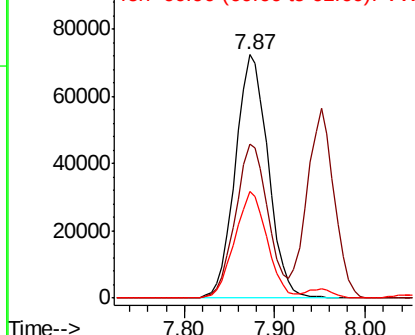
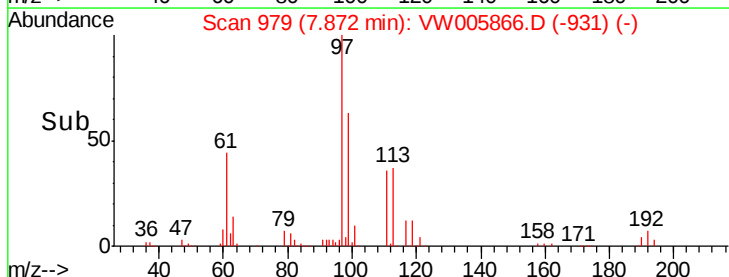


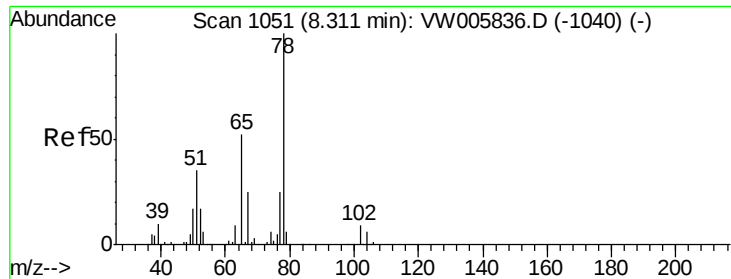
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

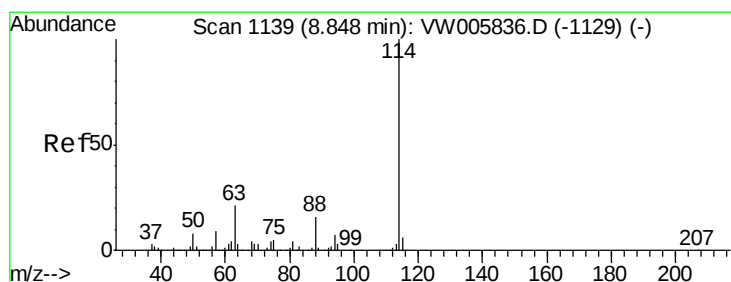
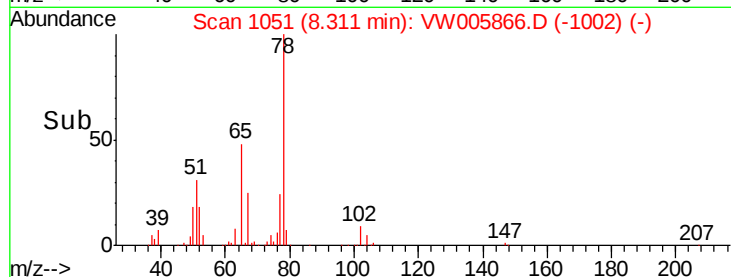
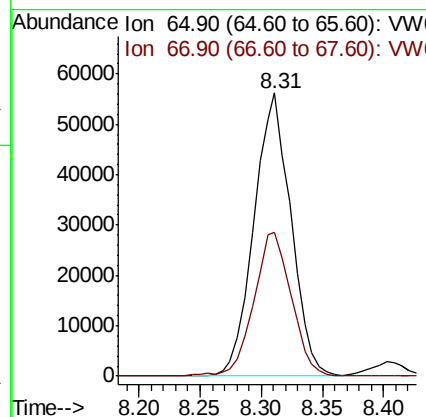
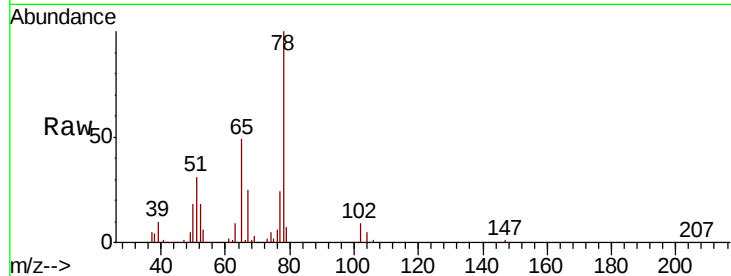




#33
 1,2-Dichloroethane-d4
 Concen: 46.637 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

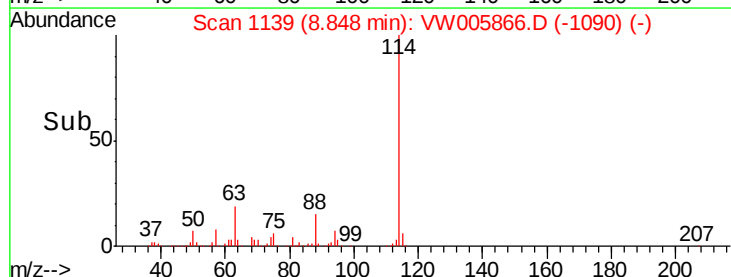
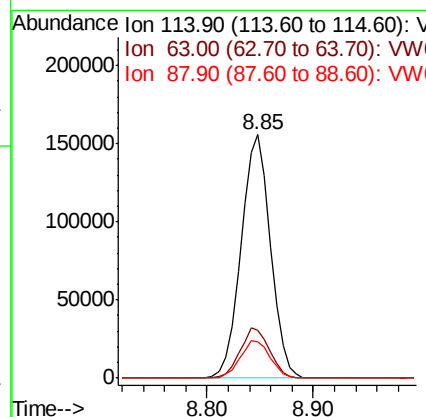
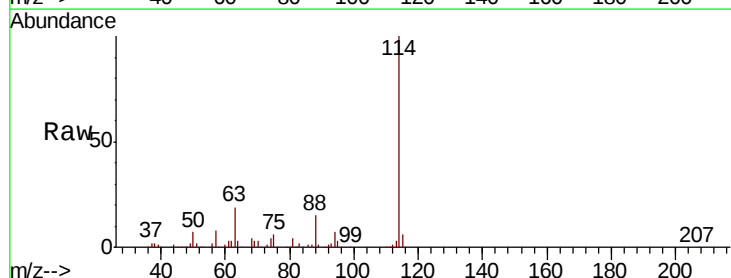
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

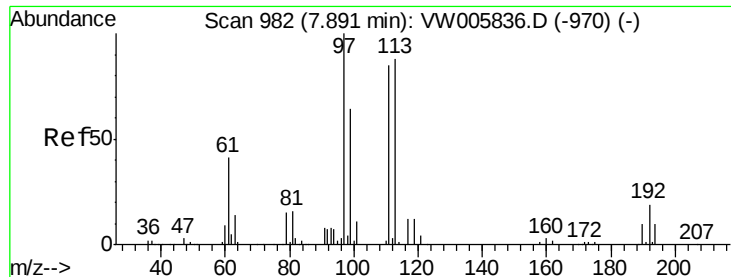
Tgt Ion: 65 Resp: 118457
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion: 114 Resp: 300633
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.0
 88 15.1 0.0 31.2

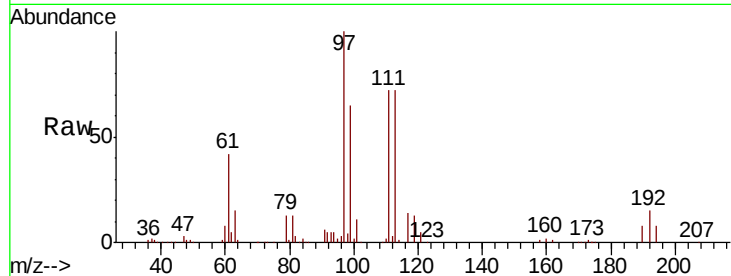




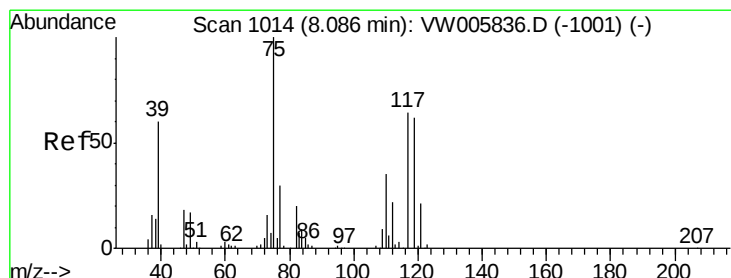
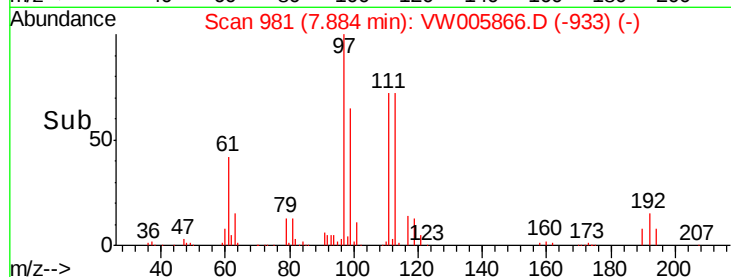
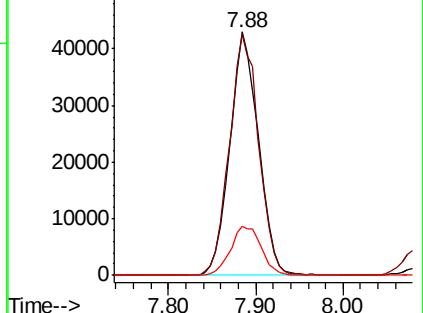
#35
 Dibromofluoromethane
 Concen: 49.610 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:113 Resp: 97755
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.4 122.2
 192 21.6 17.3 25.9

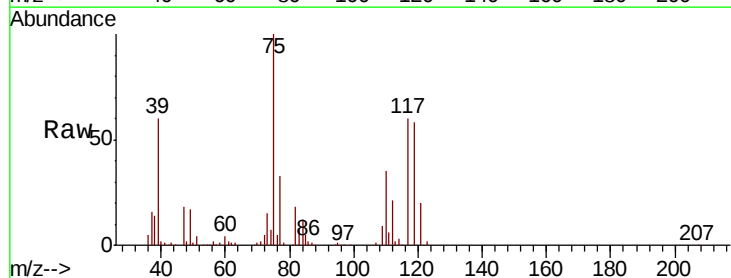


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

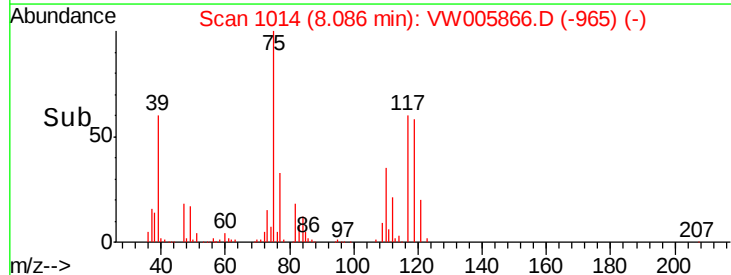
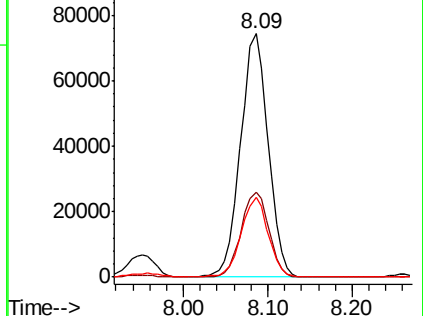


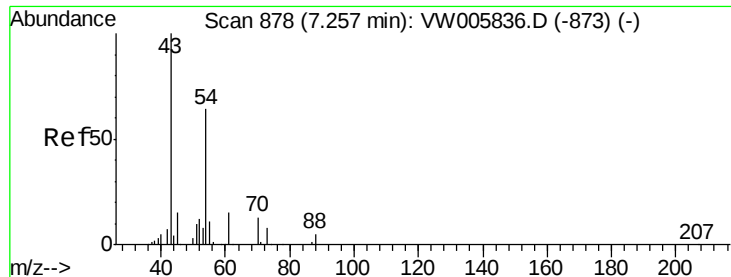
#36
 1,1-Dichloropropene
 Concen: 54.881 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion: 75 Resp: 164002
 Ion Ratio Lower Upper
 75 100
 110 35.0 17.5 52.6
 77 32.2 24.8 37.2



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

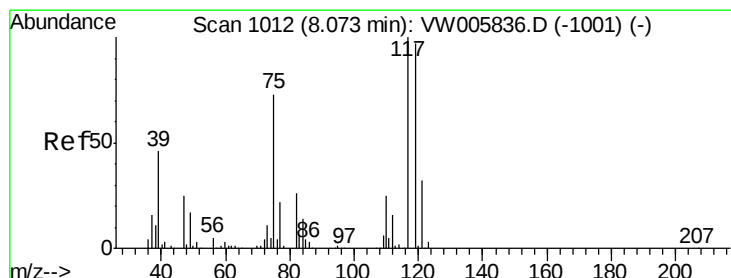
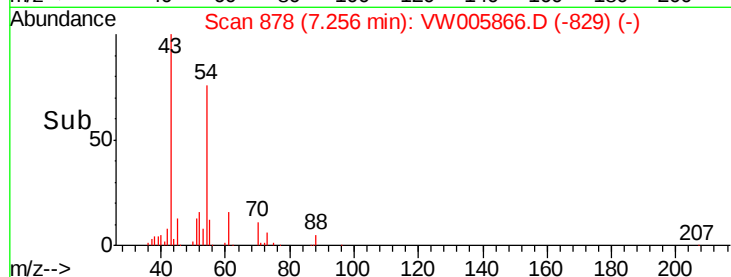
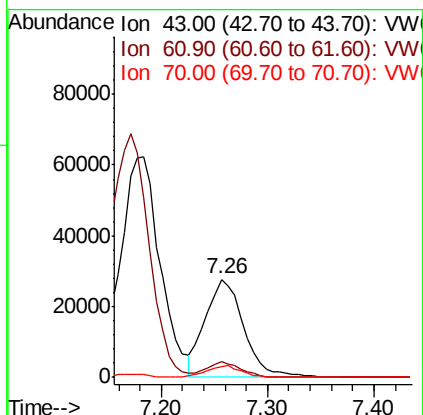
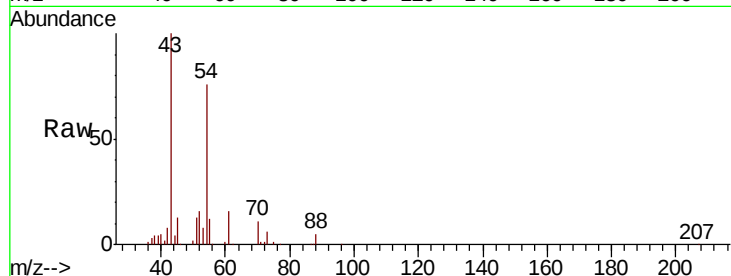




#37
Ethyl Acetate
Concen: 55.029 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

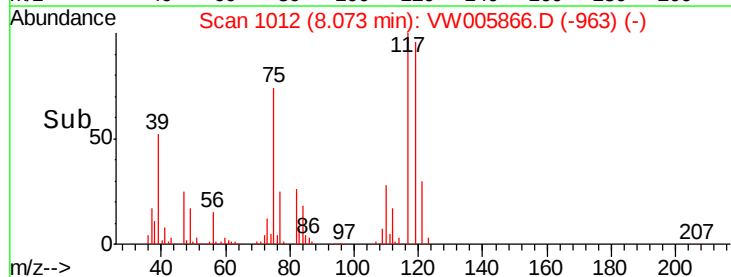
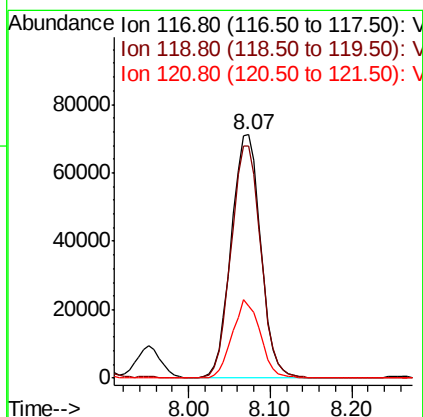
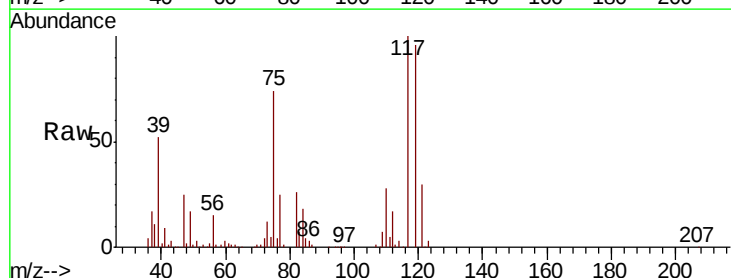
Instrument :
MSVOA_W
ClientSampled :
BFB

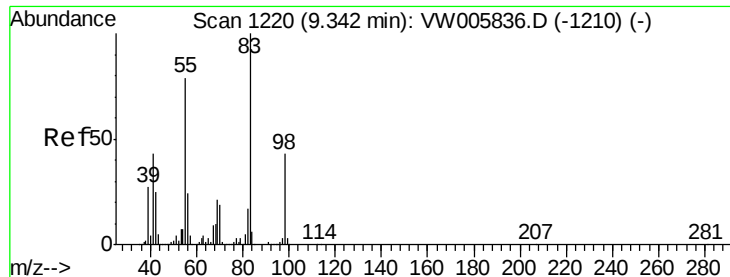
Tgt Ion: 43 Resp: 68440
Ion Ratio Lower Upper
43 100
61 14.4 11.2 16.8
70 11.1 8.6 13.0



#38
Carbon Tetrachloride
Concen: 53.334 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Tgt Ion: 117 Resp: 177587
Ion Ratio Lower Upper
117 100
119 95.5 77.9 116.9
121 29.6 25.2 37.8





#39

Methylcyclohexane

Concen: 60.215 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampled :

BFB

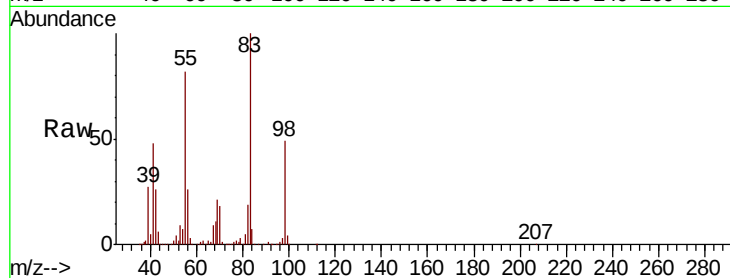
Tgt Ion: 83 Resp: 202569

Ion Ratio Lower Upper

83 100

55 81.5 63.0 94.4

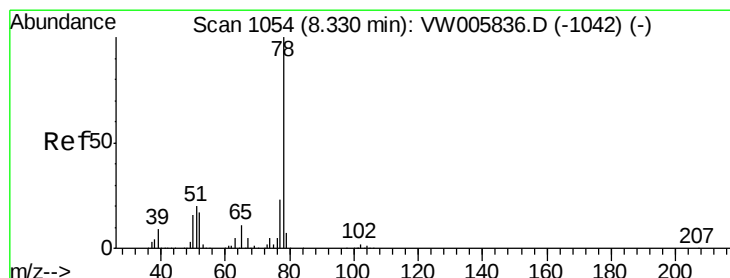
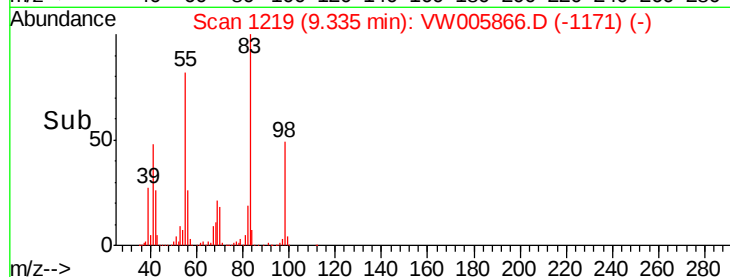
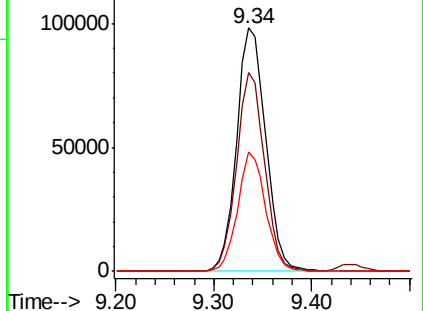
98 49.0 34.5 51.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 52.874 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW005866.D

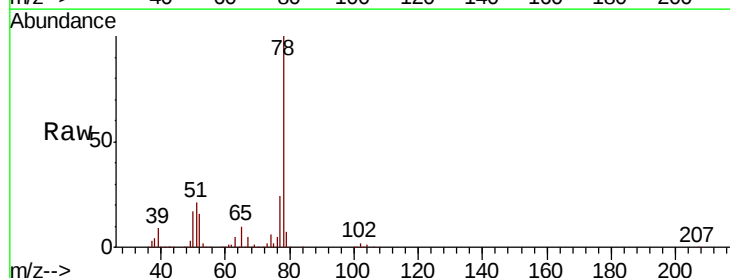
Acq: 04 Oct 2018 22:47

Tgt Ion: 78 Resp: 457926

Ion Ratio Lower Upper

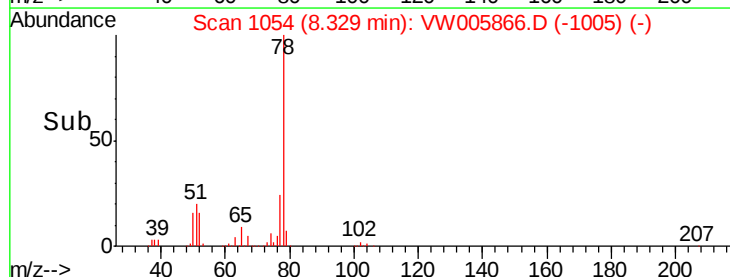
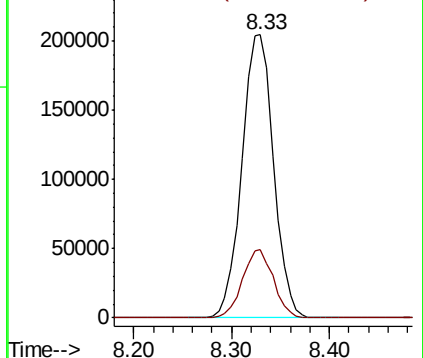
78 100

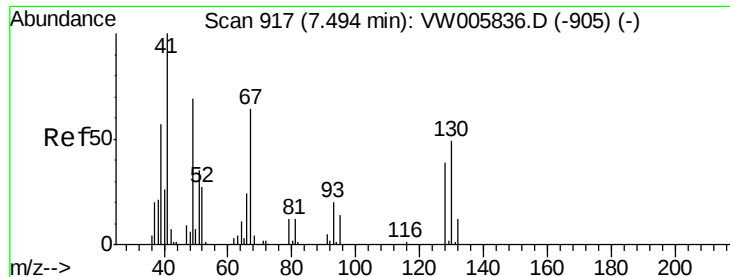
77 24.3 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

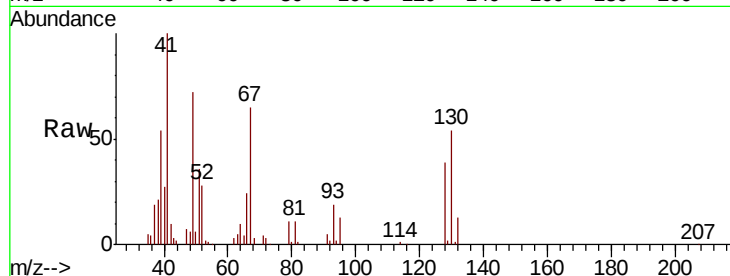




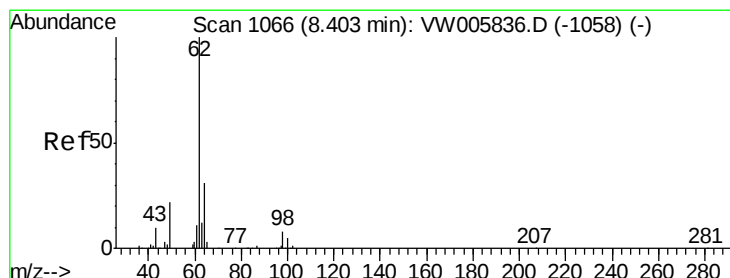
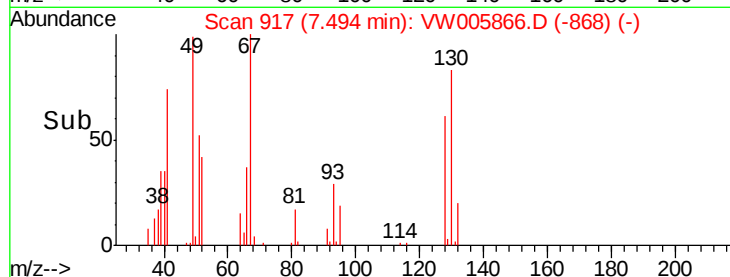
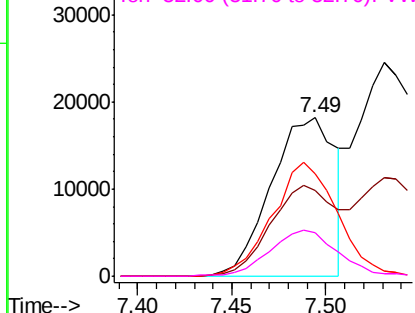
#41
Methacrylonitrile
Concen: 57.839 ug/l
RT: 7.49 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion:	41	Resp:	42986
Ion	Ratio	Lower	Upper
41	100		
39	62.9	45.6	68.4
67	72.7	53.6	80.4
52	30.9	23.9	35.9

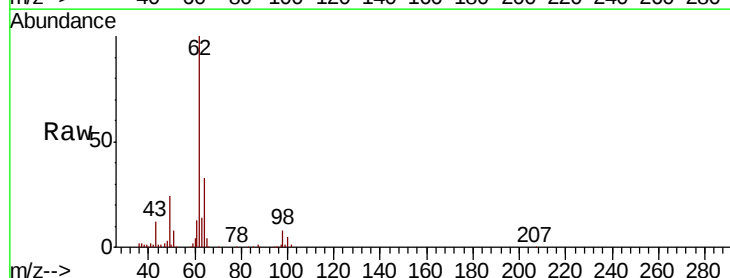


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

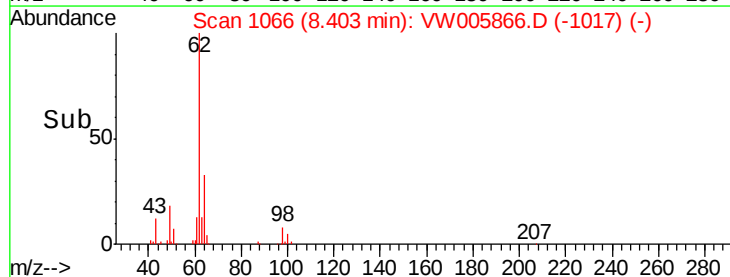
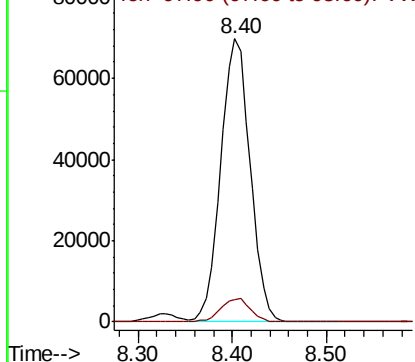


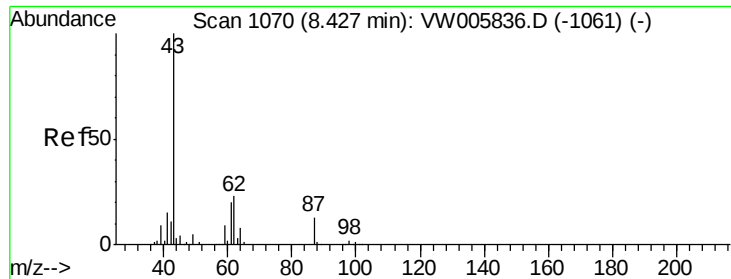
#42
1,2-Dichloroethane
Concen: 51.804 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Tgt Ion:	62	Resp:	150904
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.2



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

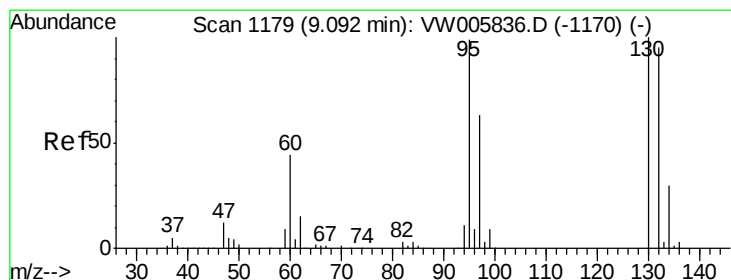
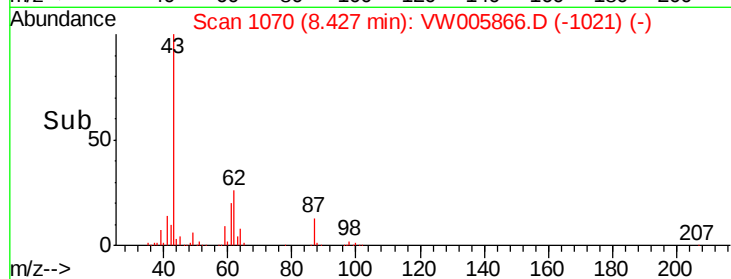
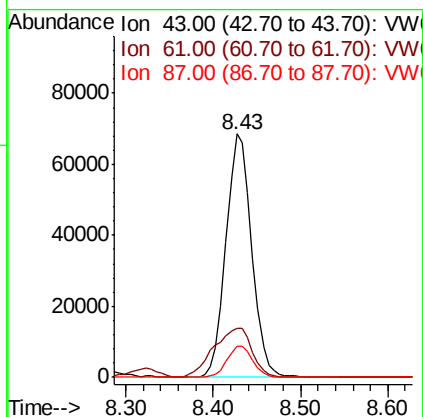
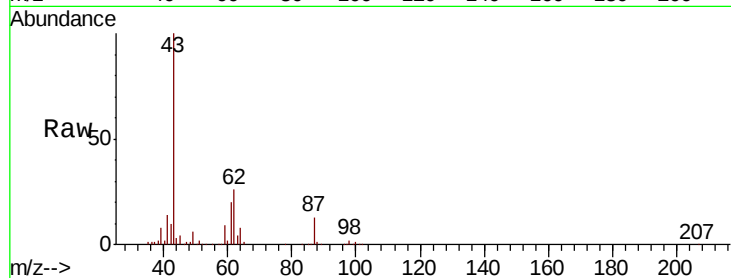




#43
Isopropyl Acetate
Concen: 57.051 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

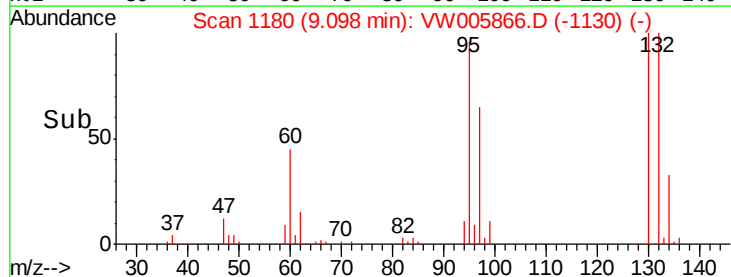
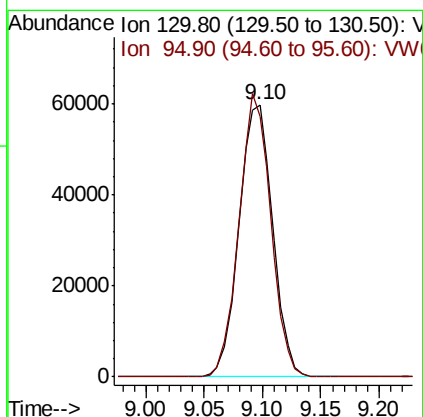
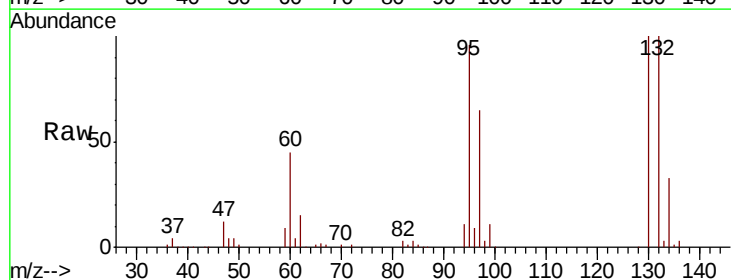
Instrument :
MSVOA_W
ClientSampled :
BFB

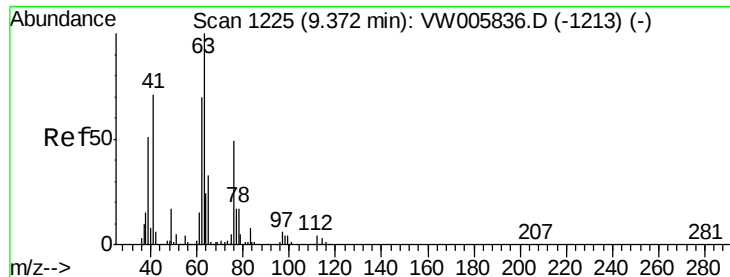
Tgt Ion: 43 Resp: 140250
Ion Ratio Lower Upper
43 100
61 30.1 24.1 36.1
87 12.8 10.6 16.0



#44
Trichloroethene
Concen: 52.680 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Tgt Ion: 130 Resp: 120584
Ion Ratio Lower Upper
130 100
95 95.7 0.0 197.6

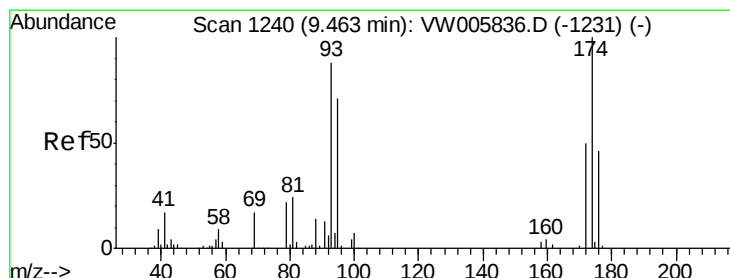
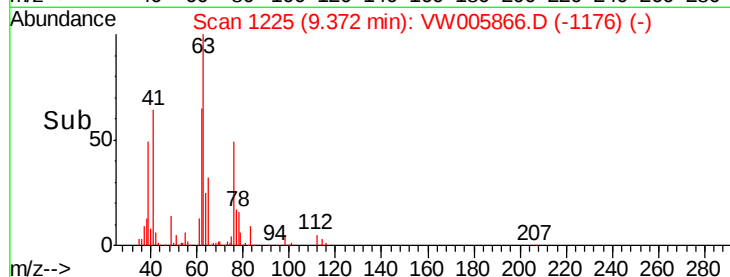
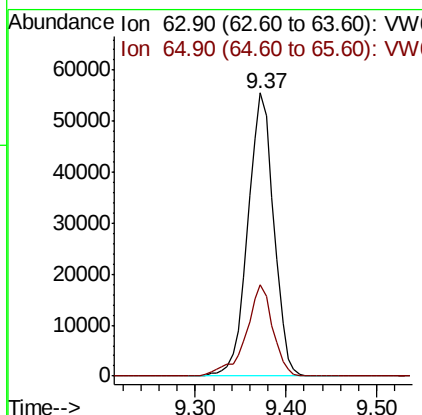
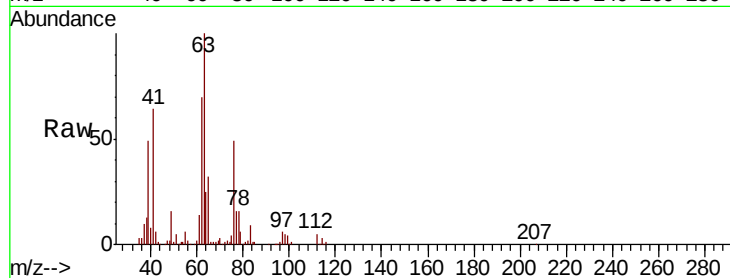




#45
 1,2-Dichloropropane
 Concen: 53.489 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

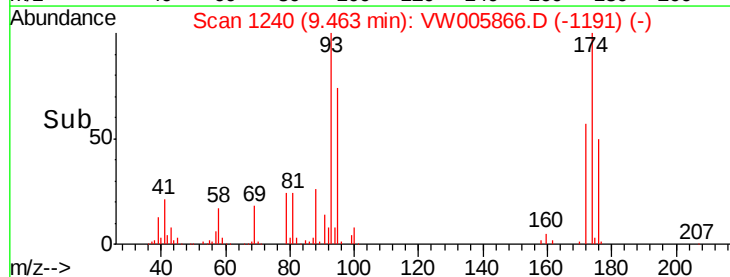
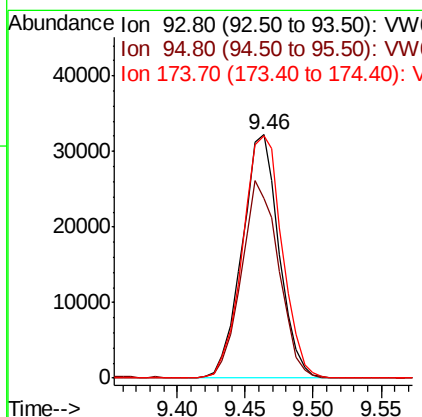
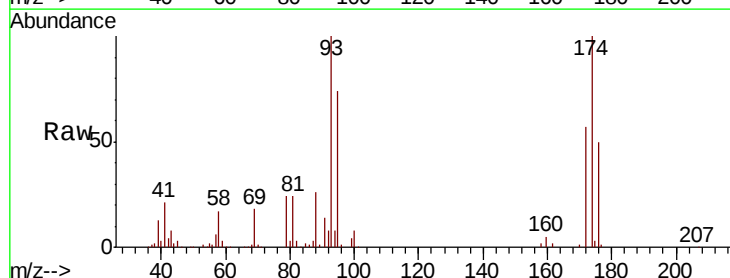
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

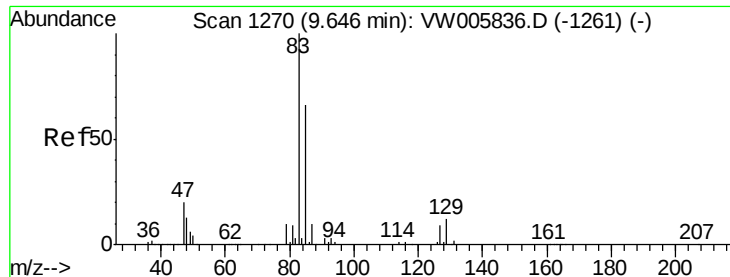
Tgt Ion: 63 Resp: 109697
 Ion Ratio Lower Upper
 63 100
 65 32.1 26.1 39.1



#46
 Dibromomethane
 Concen: 54.630 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion: 93 Resp: 61275
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.9 98.9
 174 106.6 88.4 132.6

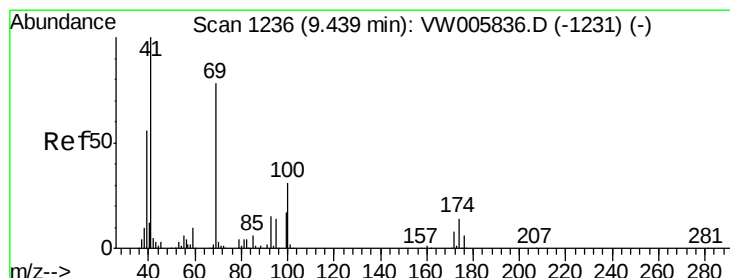
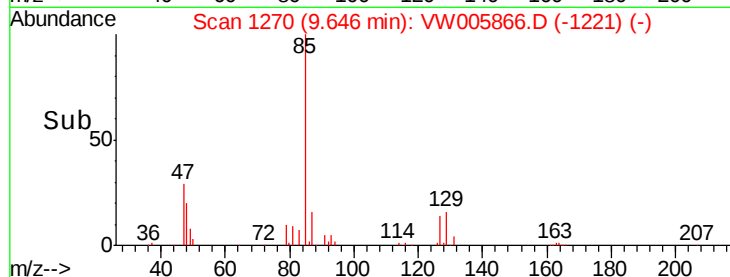
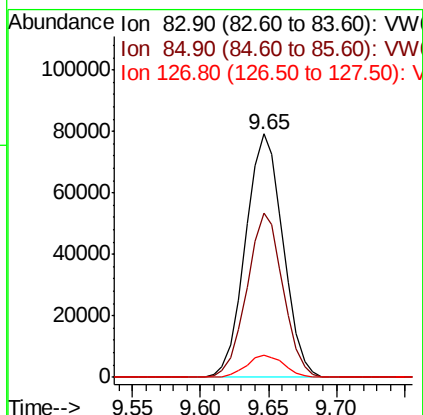
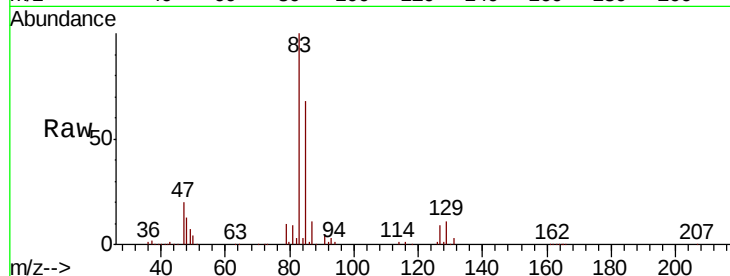




#47
 Bromodichloromethane
 Concen: 51.411 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

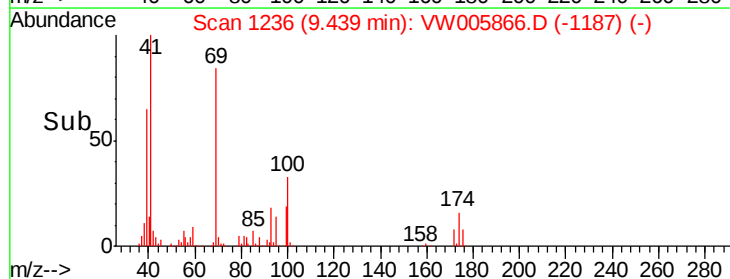
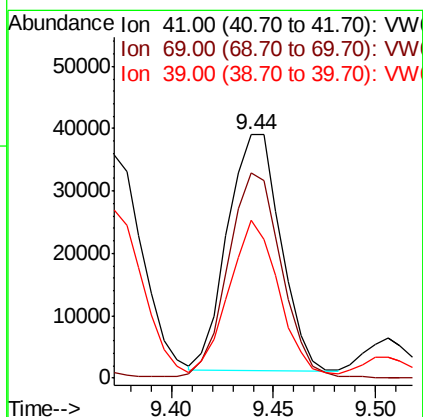
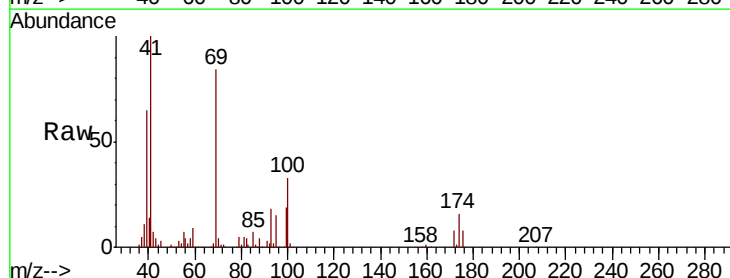
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

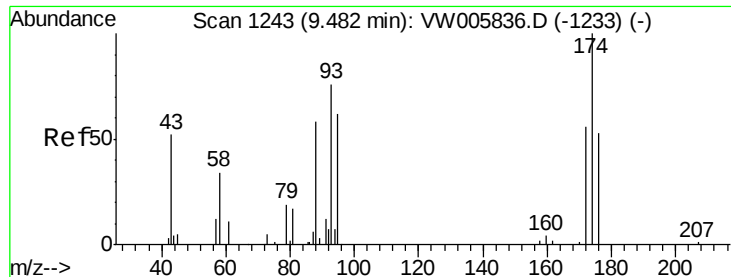
Tgt Ion: 83 Resp: 152615
 Ion Ratio Lower Upper
 83 100
 85 67.5 52.6 78.8
 127 9.2 7.4 11.0



#48
 Methyl methacrylate
 Concen: 57.739 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion: 41 Resp: 68719
 Ion Ratio Lower Upper
 41 100
 69 87.7 66.4 99.6
 39 60.1 50.1 75.1





#49

1,4-Dioxane

Concen: 1135.594 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

BFB

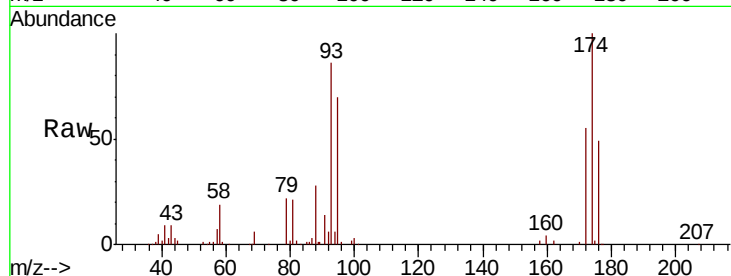
Tgt Ion: 88 Resp: 19901

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

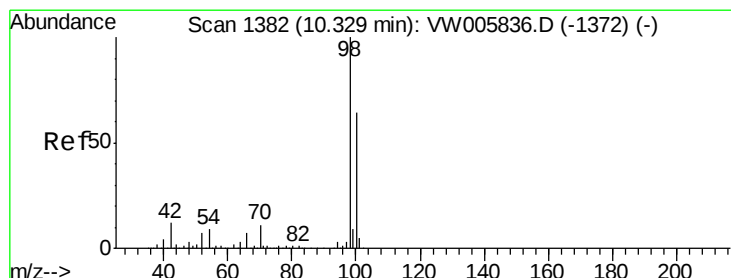
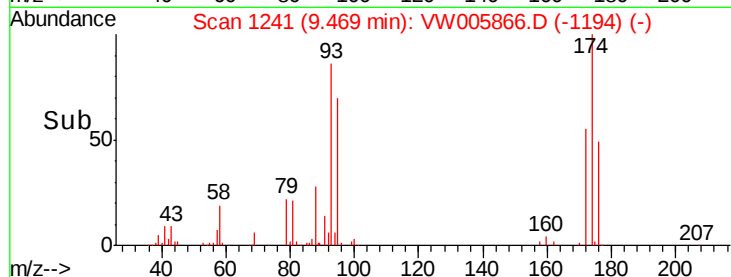
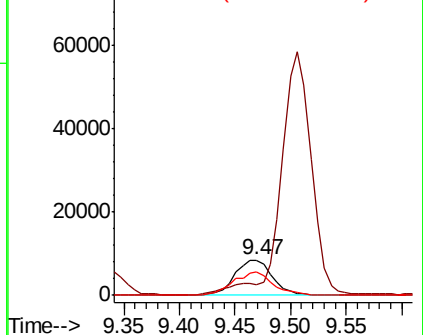
58 71.3 58.1 87.1



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: 52.137 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005866.D

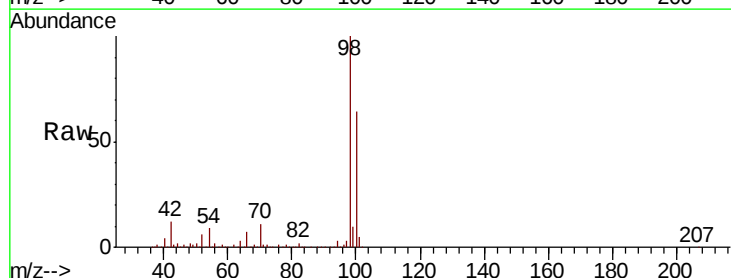
Acq: 04 Oct 2018 22:47

Tgt Ion: 98 Resp: 407932

Ion Ratio Lower Upper

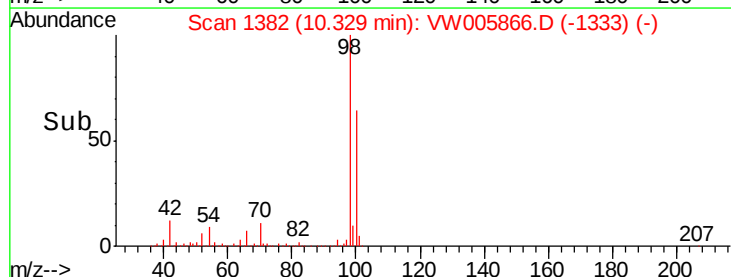
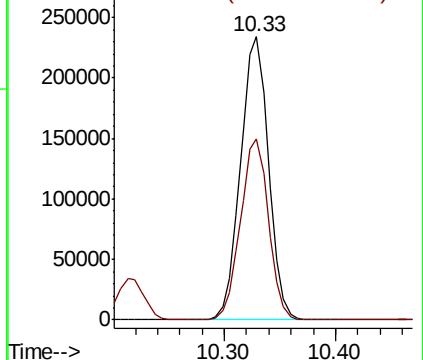
98 100

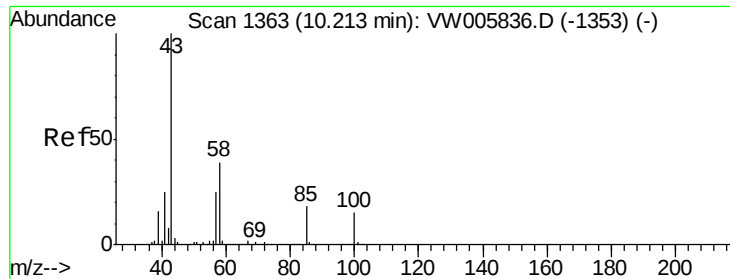
100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

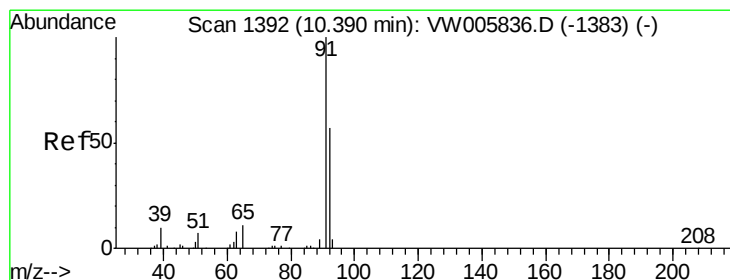
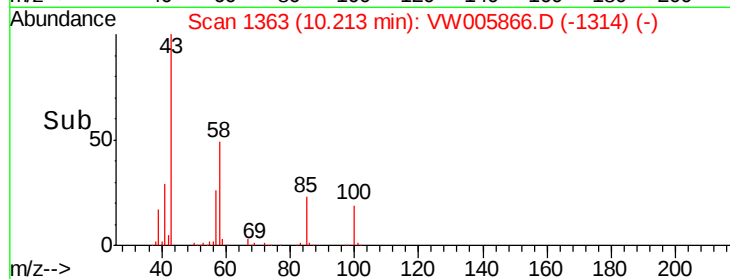
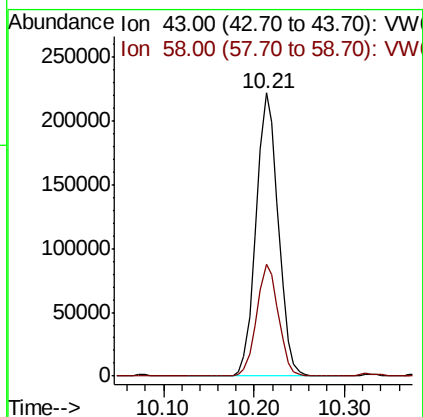
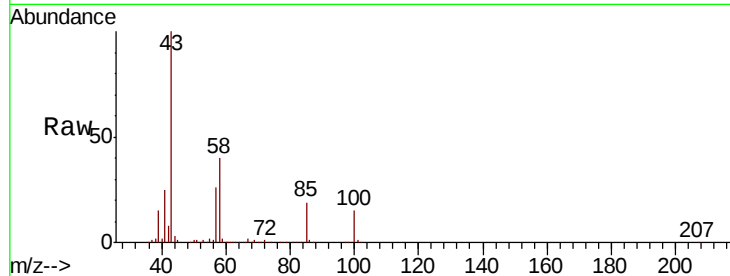




#51
 4-Methyl-2-Pentanone
 Concen: 293.104 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

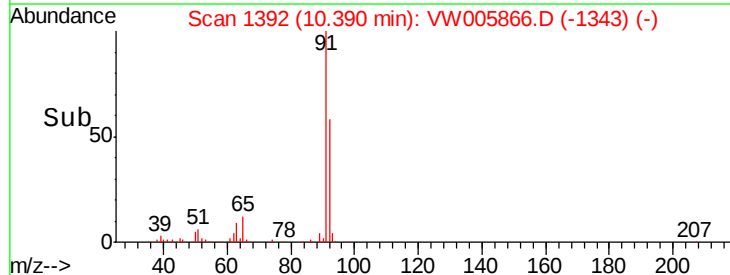
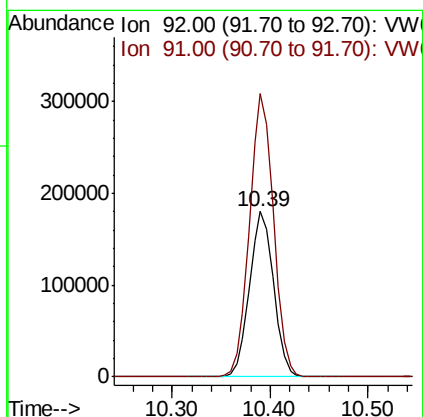
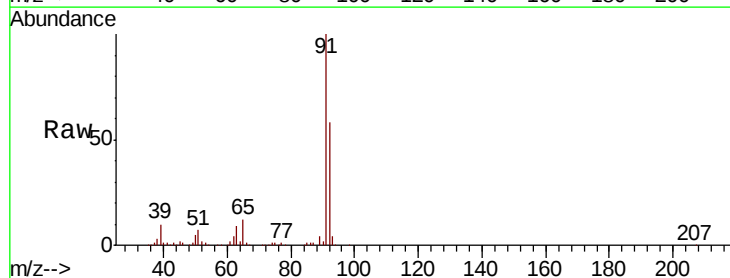
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

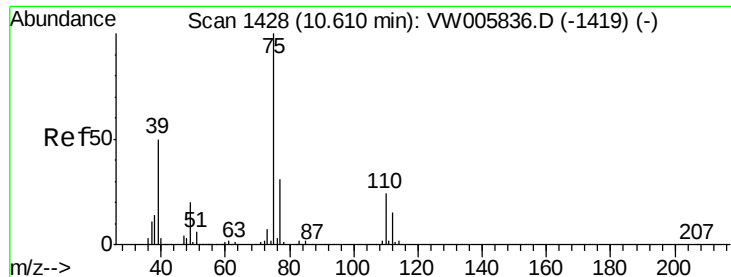
Tgt Ion: 43 Resp: 374856
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.6 45.8



#52
 Toluene
 Concen: 55.692 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion: 92 Resp: 307417
 Ion Ratio Lower Upper
 92 100
 91 170.8 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 55.762 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampled :

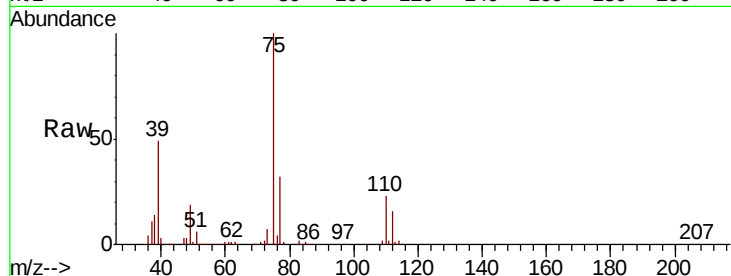
BFB

Tgt Ion: 75 Resp: 161624

Ion Ratio Lower Upper

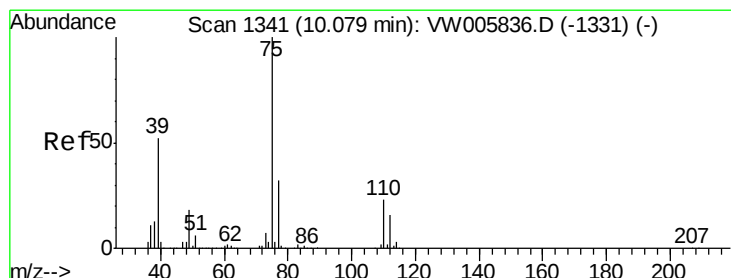
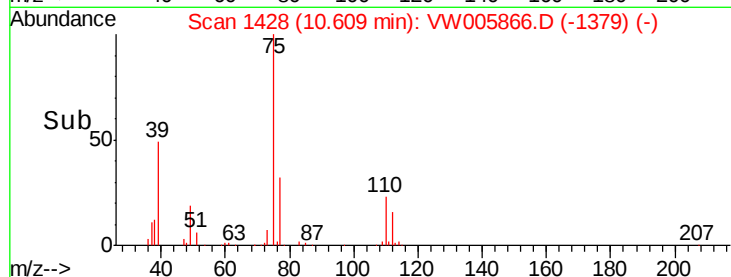
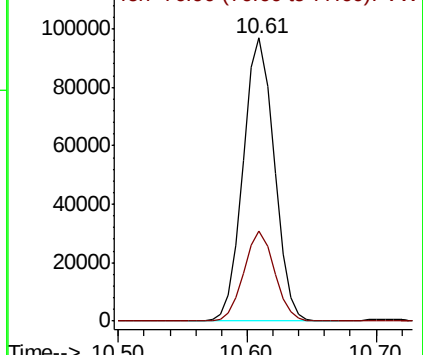
75 100

77 32.0 25.0 37.4



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: 55.854 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

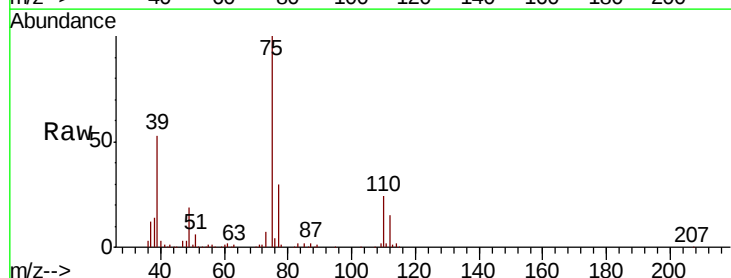
Tgt Ion: 75 Resp: 181249

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.2

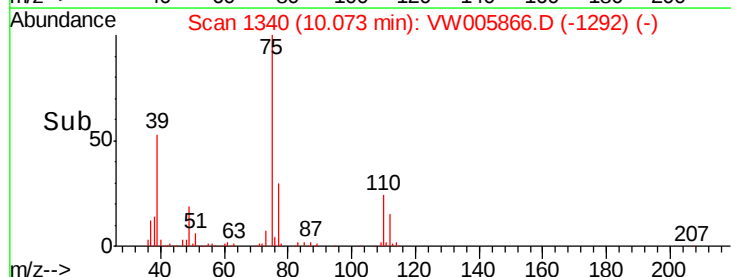
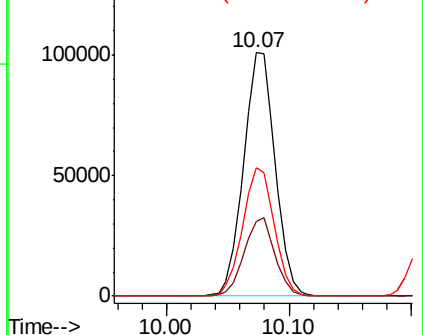
39 52.7 41.9 62.9

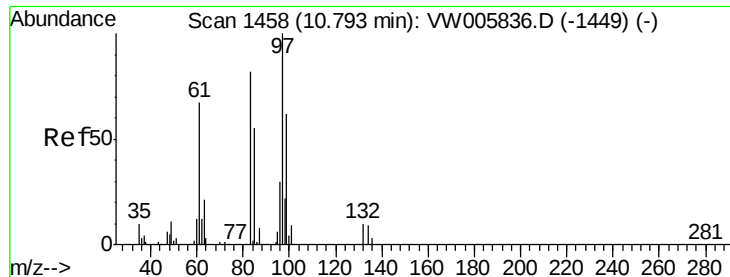


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

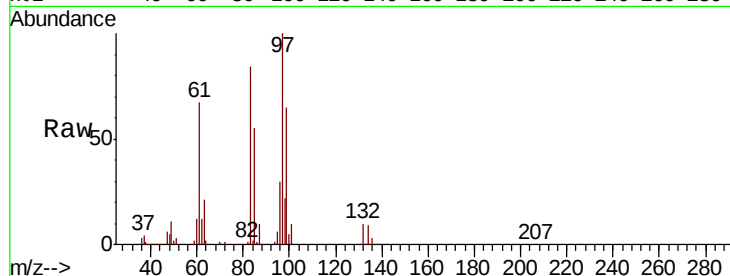




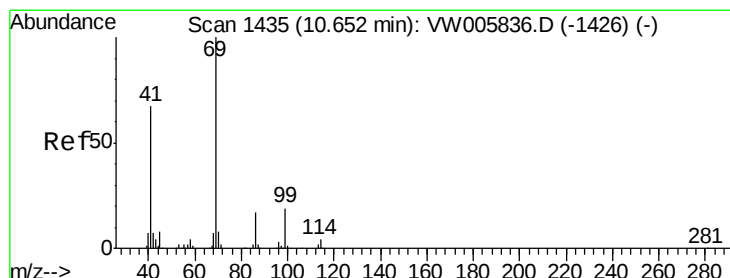
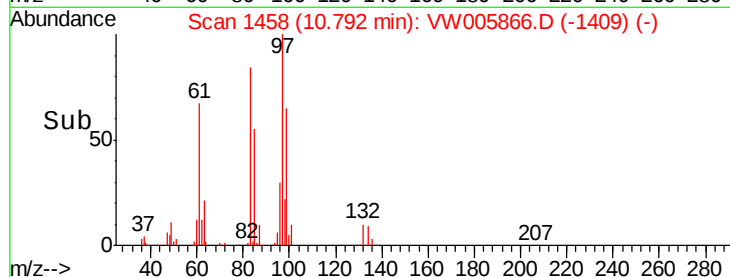
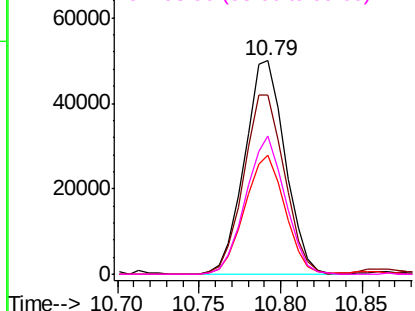
#55
 1,1,2-Trichloroethane
 Concen: 53.532 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:	97	Resp:	86742
Ion	Ratio	Lower	Upper
97	100		
83	83.7	65.9	98.9
85	55.5	44.2	66.2
99	64.9	49.2	73.8

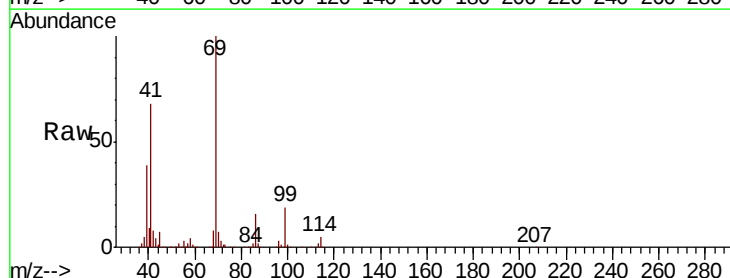


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

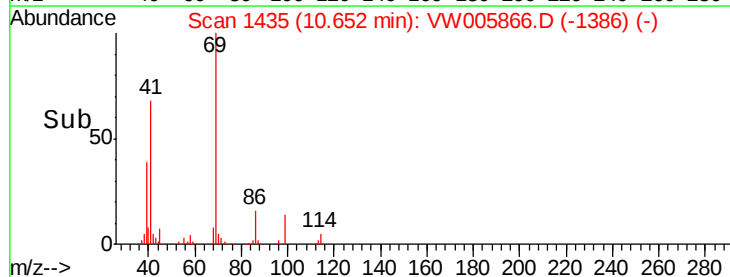
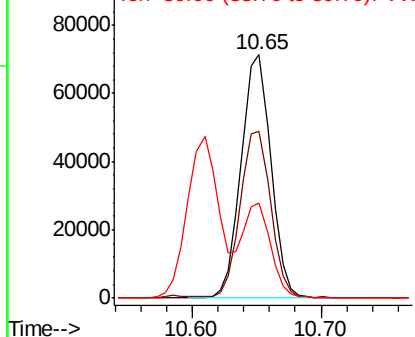


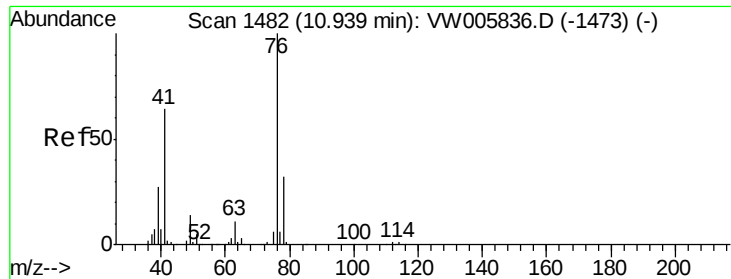
#56
 Ethyl methacrylate
 Concen: 58.975 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion:	69	Resp:	114448
Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.8	83.6
39	34.9	29.3	43.9



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

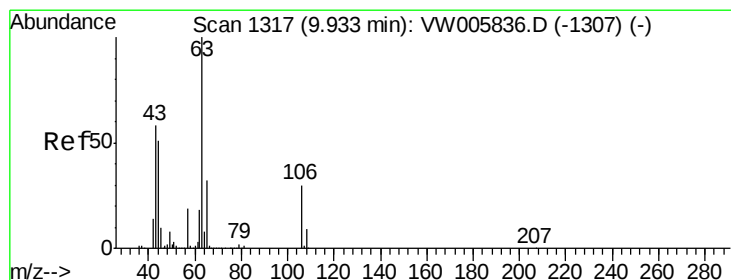
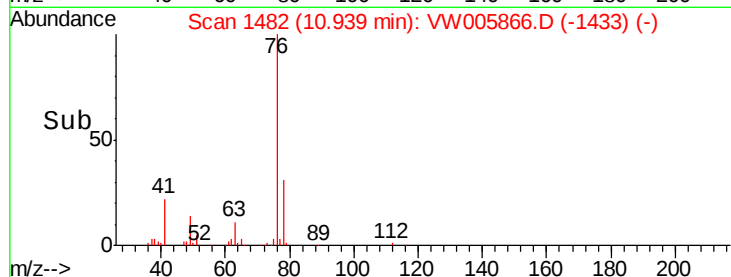
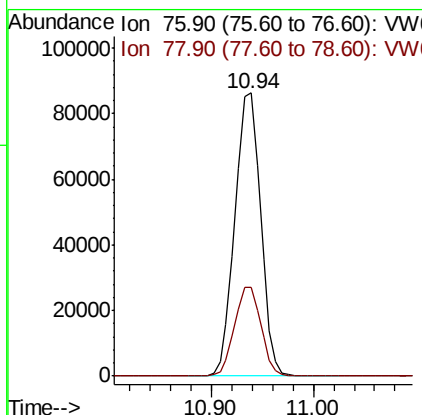
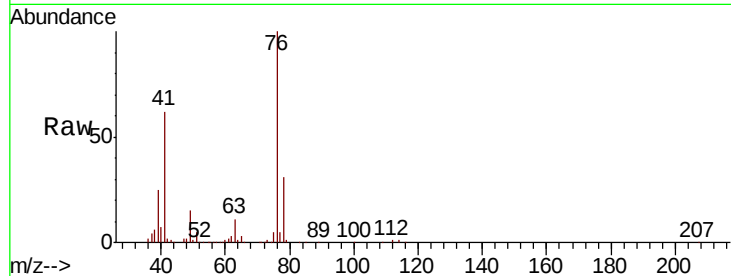




#57
 1,3-Dichloropropane
 Concen: 54.803 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

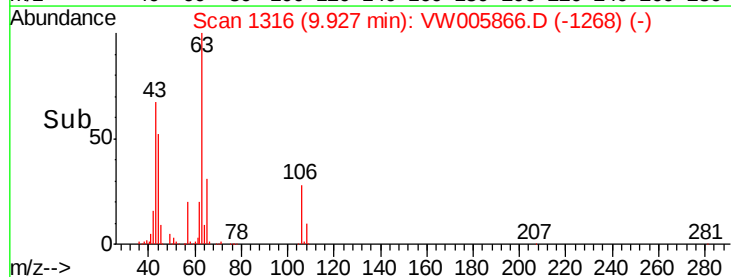
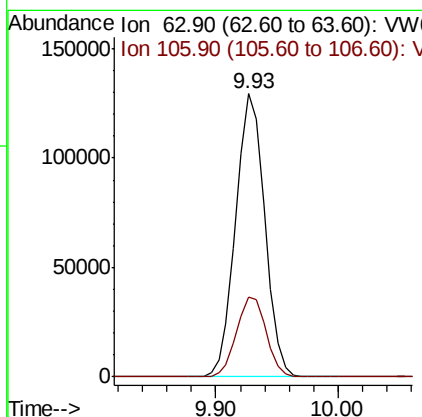
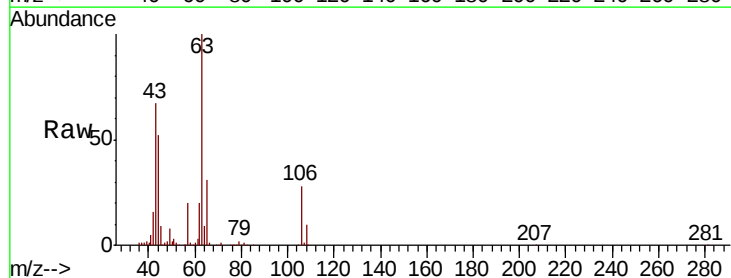
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

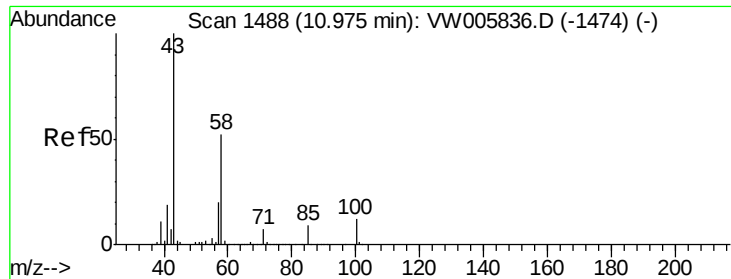
Tgt Ion: 76 Resp: 151177
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.967 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion: 63 Resp: 212986
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.7 35.5

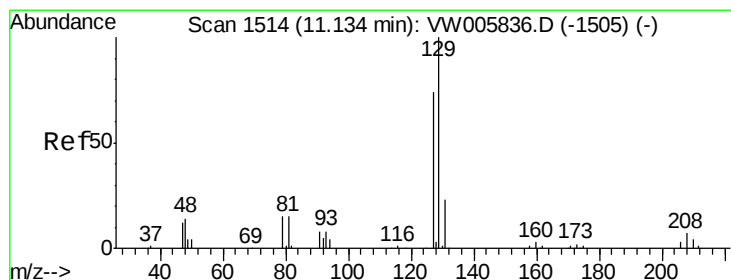
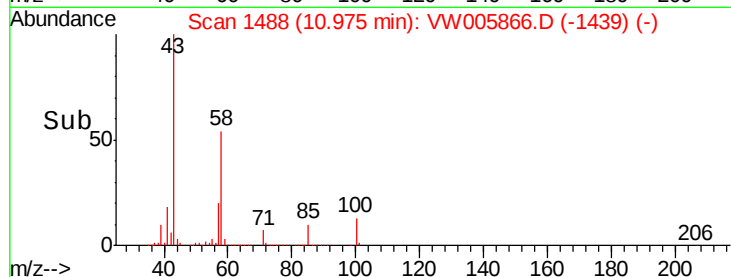
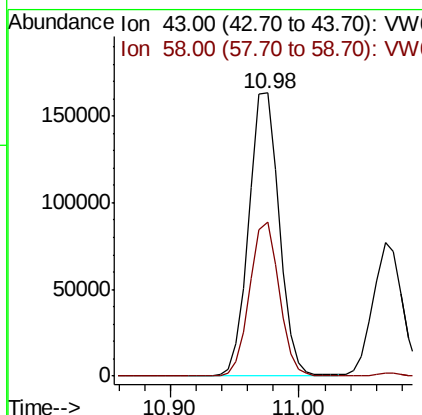
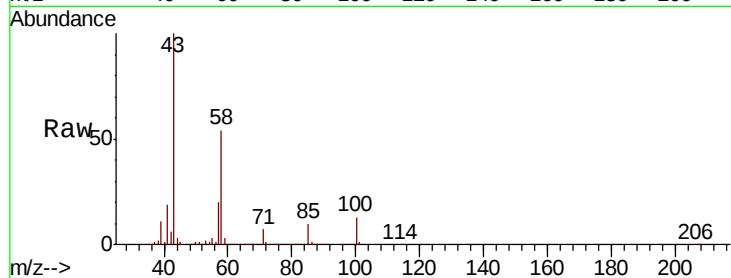




#59
2-Hexanone
Concen: 310.977 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

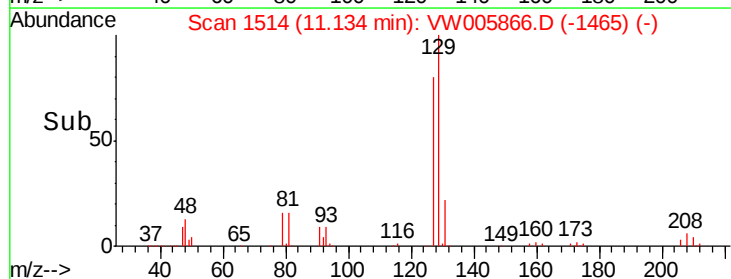
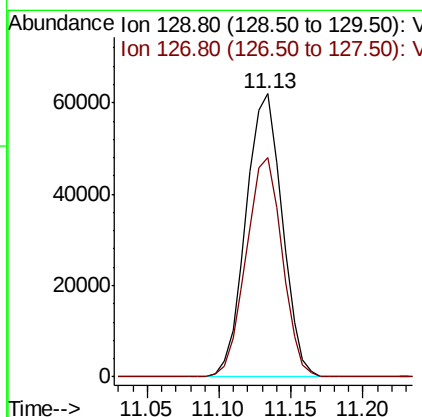
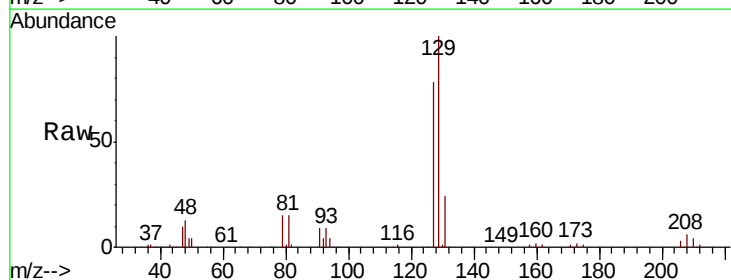
Instrument :
MSVOA_W
ClientSampleId :
BFB

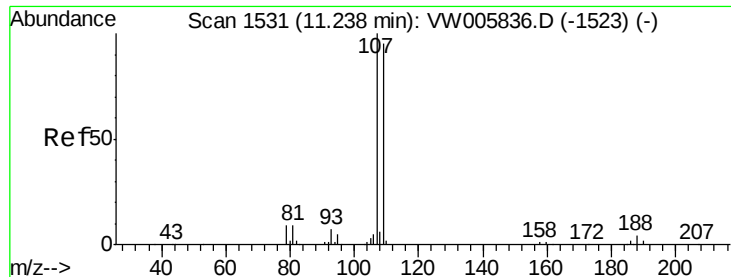
Tgt Ion: 43 Resp: 266012
Ion Ratio Lower Upper
43 100
58 52.9 25.9 77.7



#60
Dibromochloromethane
Concen: 53.392 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Tgt Ion: 129 Resp: 107999
Ion Ratio Lower Upper
129 100
127 77.1 37.2 111.6

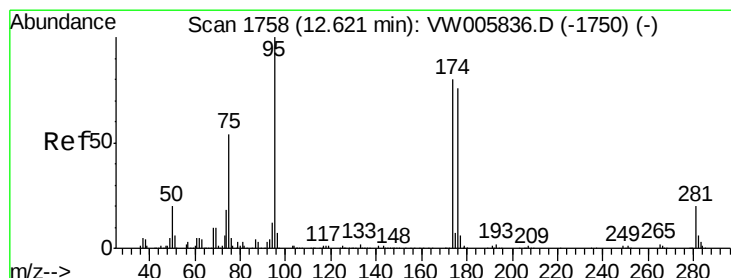
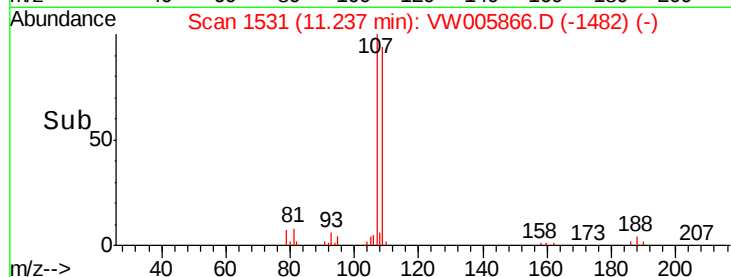
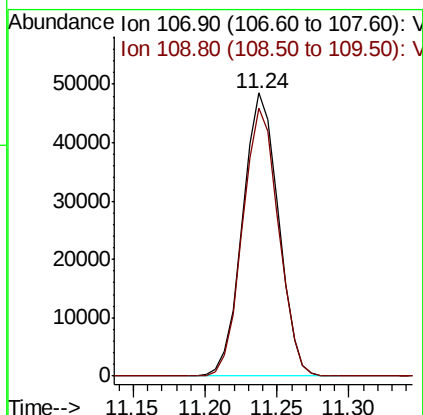
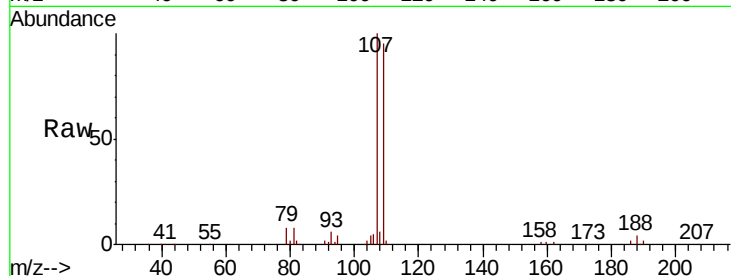




#61
 1,2-Dibromoethane
 Concen: 55.484 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

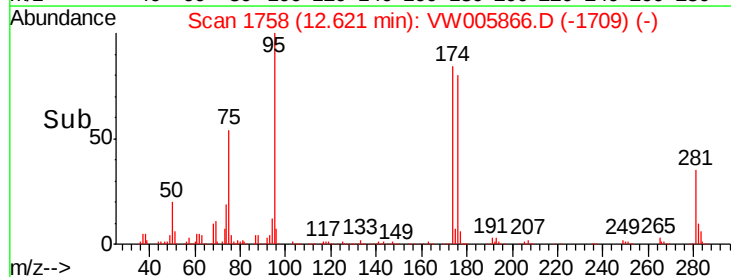
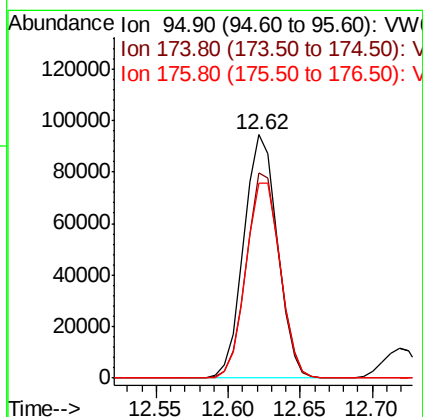
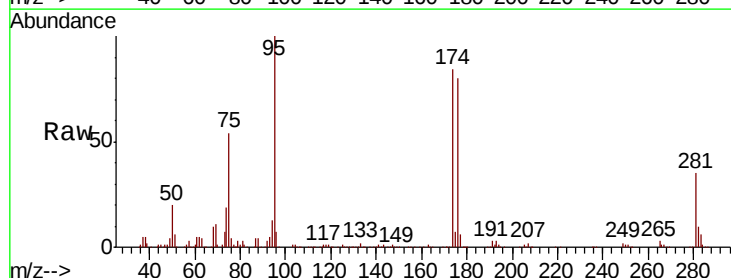
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

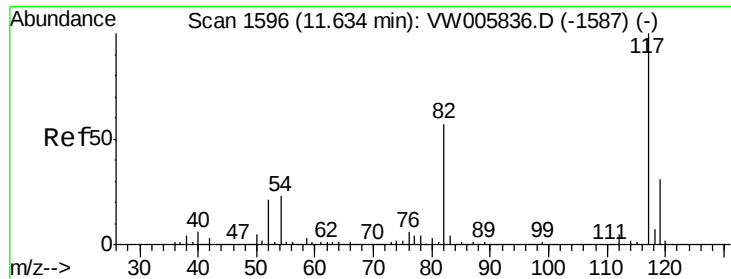
Tgt Ion: 107 Resp: 83512
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 52.702 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion: 95 Resp: 152391
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 169.0
 176 82.0 0.0 164.2

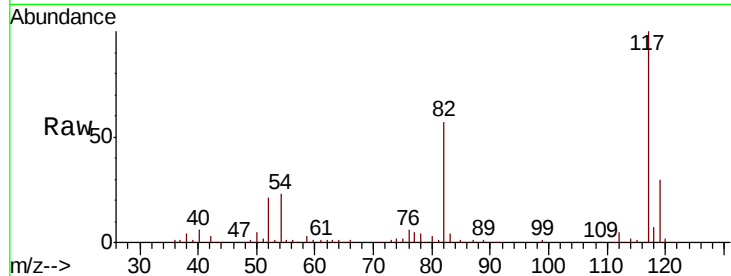




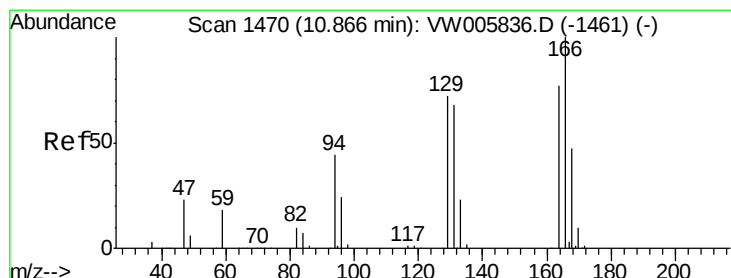
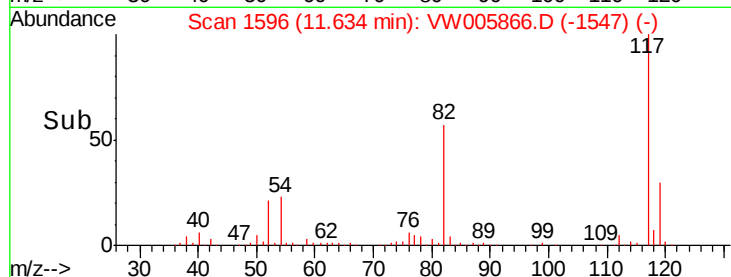
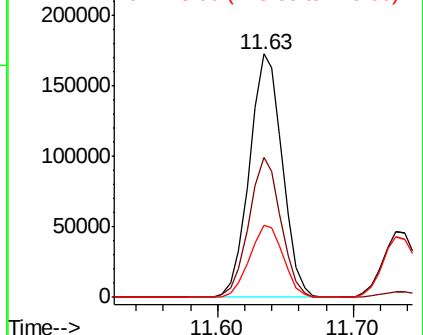
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion:117 Resp: 291662
Ion Ratio Lower Upper
117 100
82 57.5 45.6 68.4
119 29.8 25.0 37.6



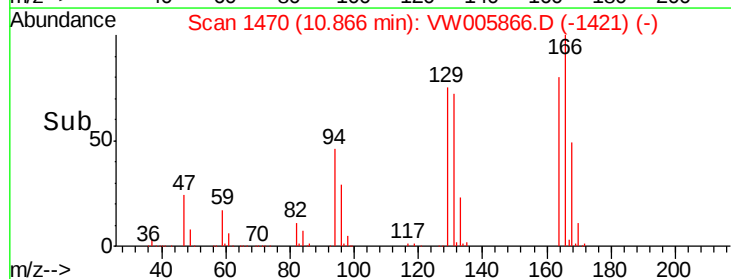
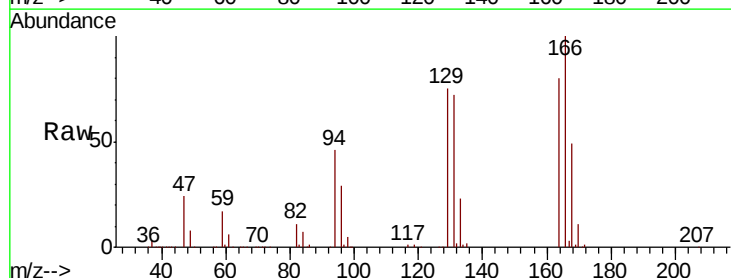
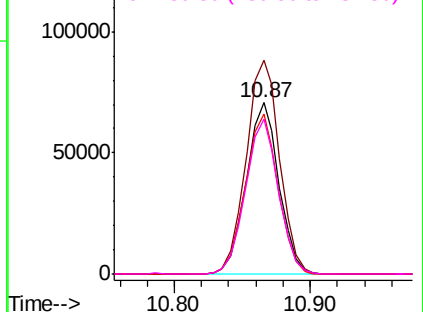
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

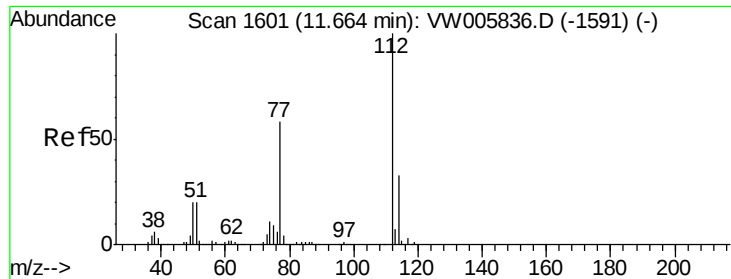


#64
Tetrachloroethene
Concen: 52.132 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Tgt Ion:164 Resp: 118687
Ion Ratio Lower Upper
164 100
166 124.8 104.0 156.0
129 93.2 74.8 112.2
131 90.4 71.2 106.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

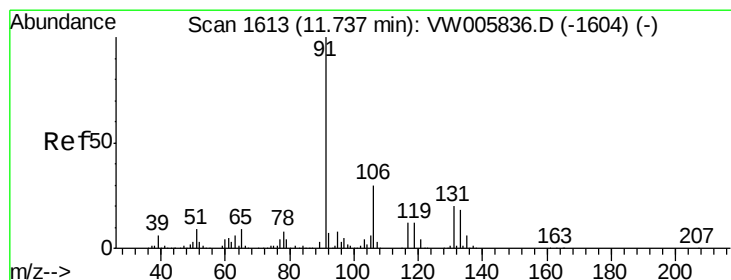
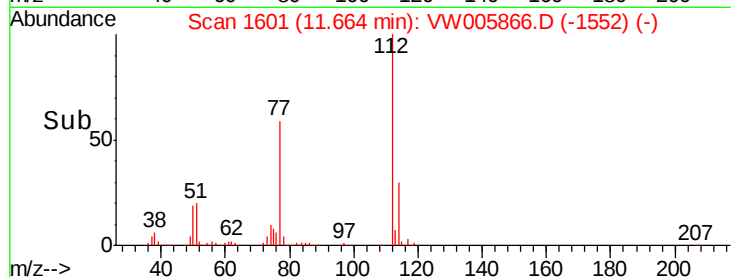
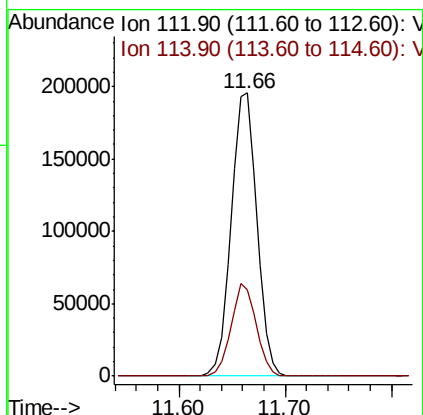
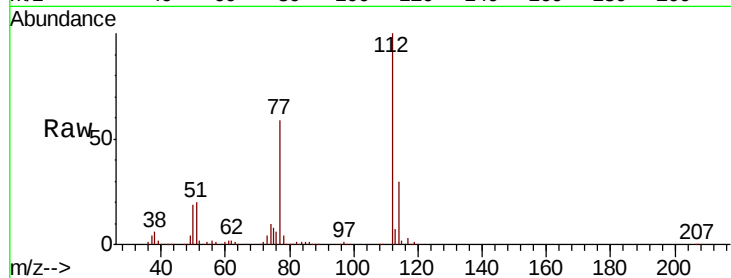




#65
Chlorobenzene
Concen: 52.017 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

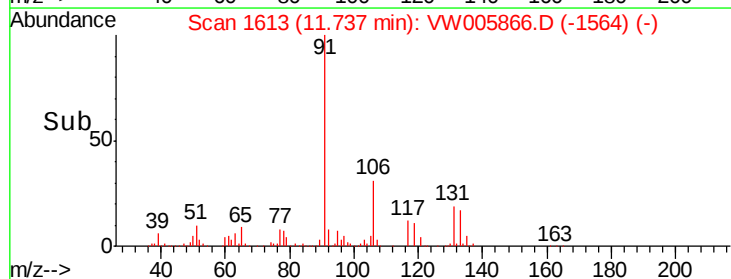
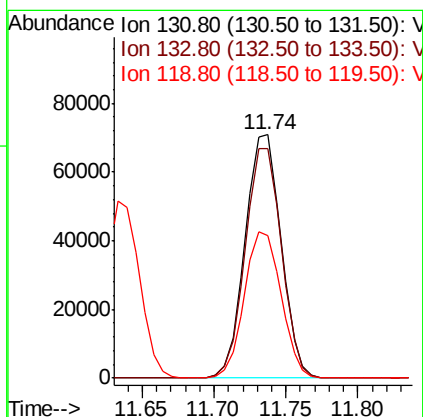
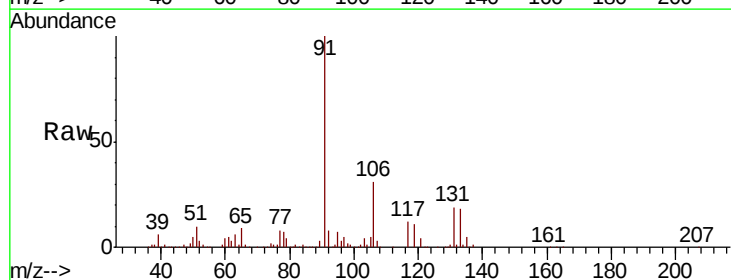
Instrument :
MSVOA_W
ClientSampleId :
BFB

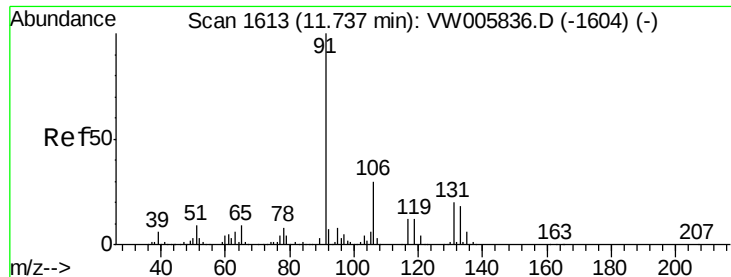
Tgt Ion:112 Resp: 331727
Ion Ratio Lower Upper
112 100
114 30.5 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 51.790 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Tgt Ion:131 Resp: 122421
Ion Ratio Lower Upper
131 100
133 95.2 47.0 141.0
119 61.5 30.4 91.2

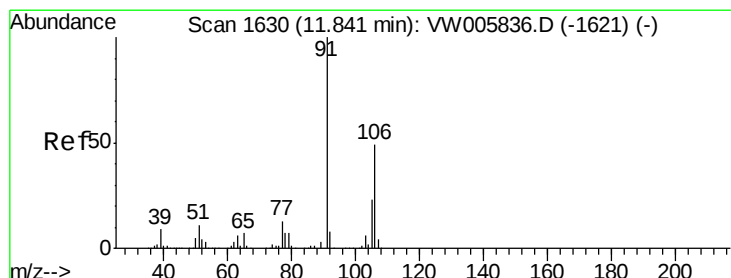
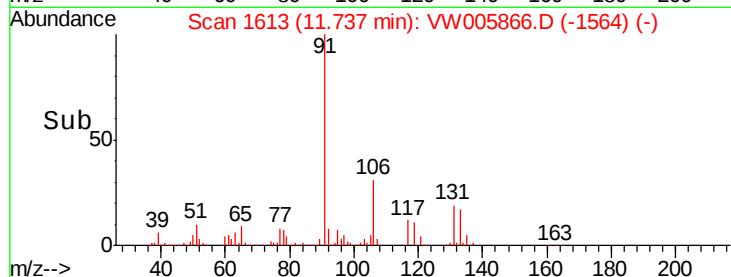
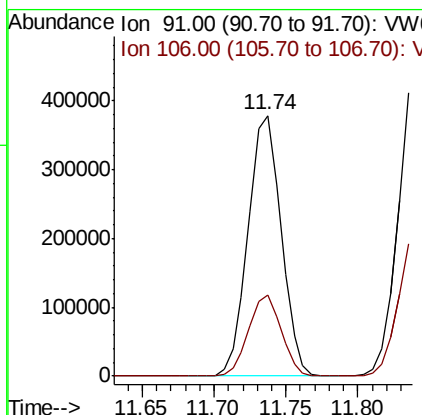
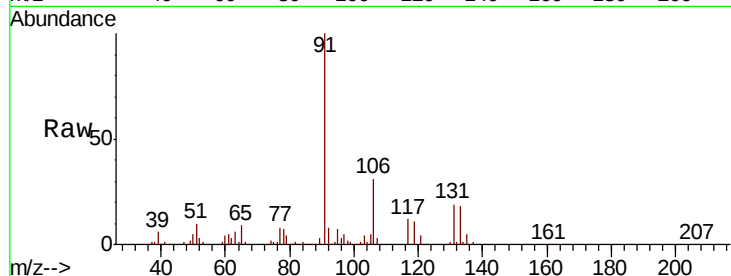




#67
Ethyl Benzene
Concen: 55.169 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

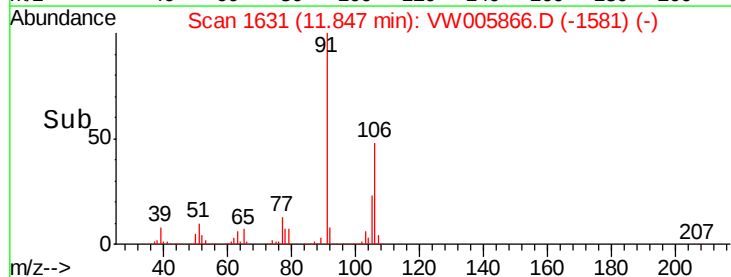
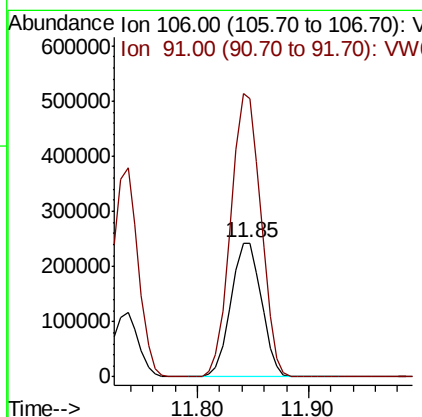
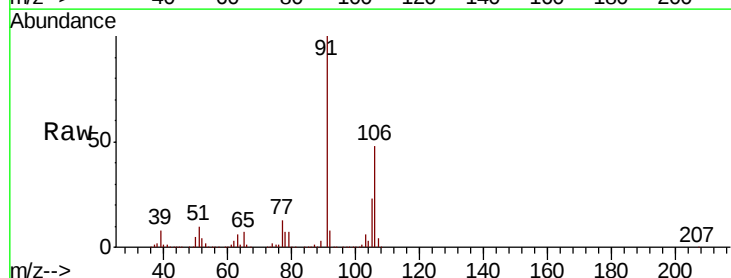
Instrument :
MSVOA_W
ClientSampled :
BFB

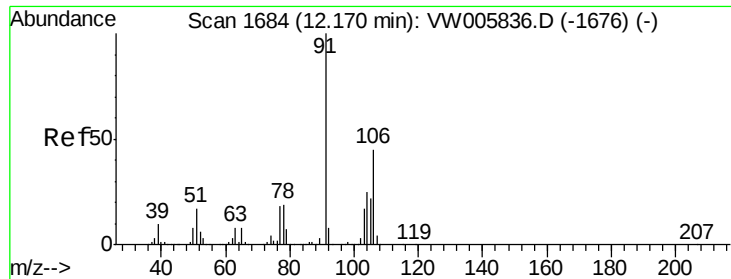
Tgt Ion: 91 Resp: 602442
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5



#68
m/p-Xylenes
Concen: 109.699 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Tgt Ion: 106 Resp: 461597
Ion Ratio Lower Upper
106 100
91 208.9 165.4 248.0

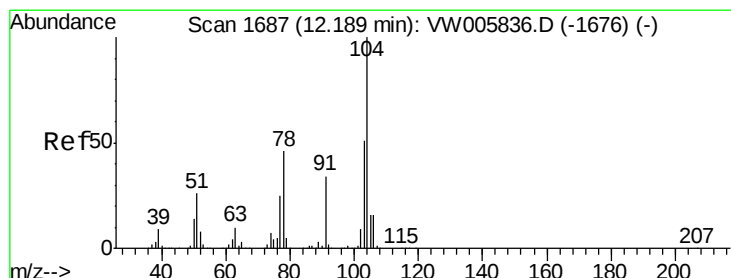
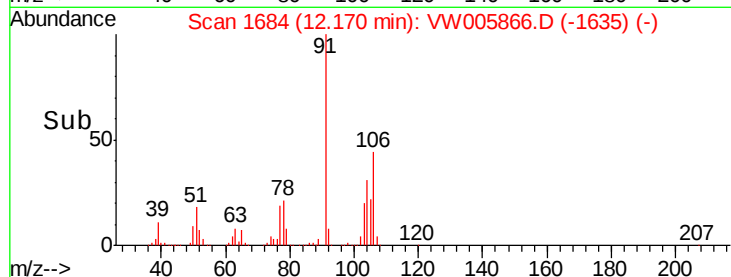
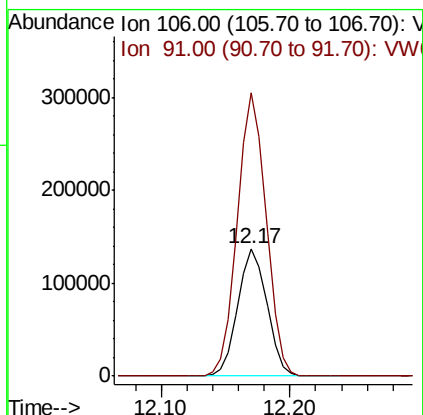
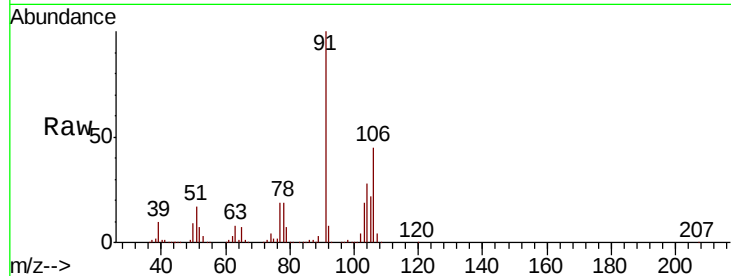




#69
o-Xylene
Concen: 55.015 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

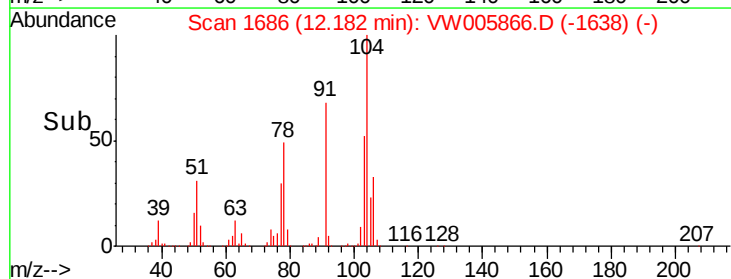
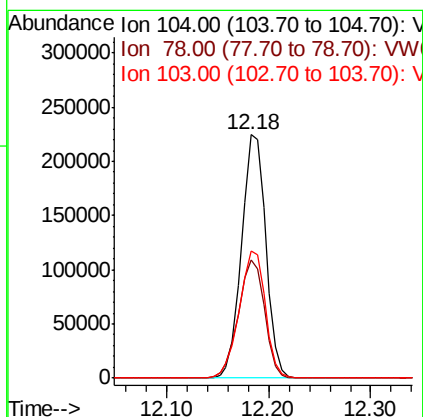
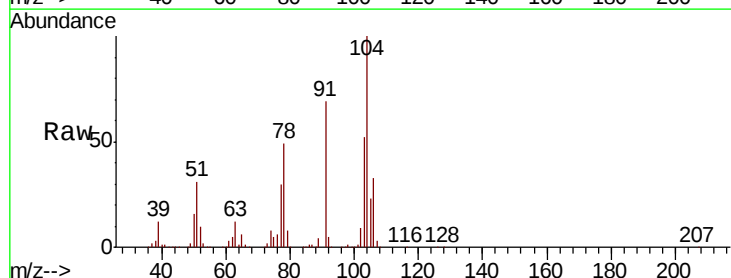
Instrument :
MSVOA_W
ClientSampleId :
BFB

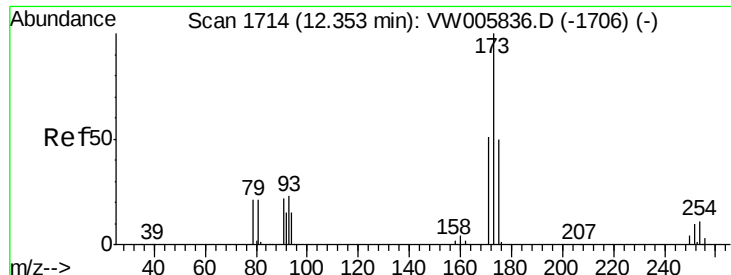
Tgt Ion:106 Resp: 215171
Ion Ratio Lower Upper
106 100
91 220.2 109.7 329.1



#70
Styrene
Concen: 56.018 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Tgt Ion:104 Resp: 371624
Ion Ratio Lower Upper
104 100
78 52.3 42.3 63.5
103 55.8 44.9 67.3





#71

Bromoform

Concen: 53.685 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampled :

BFB

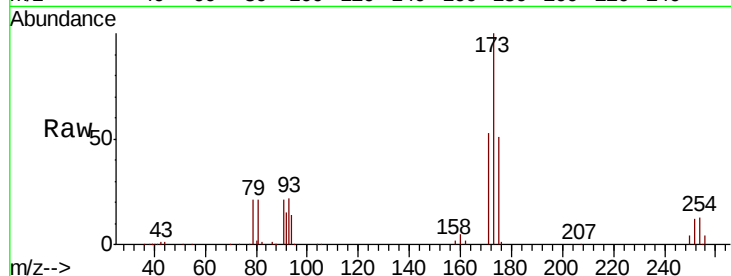
Tgt Ion:173 Resp: 69859

Ion Ratio Lower Upper

173 100

175 48.7 24.3 72.9

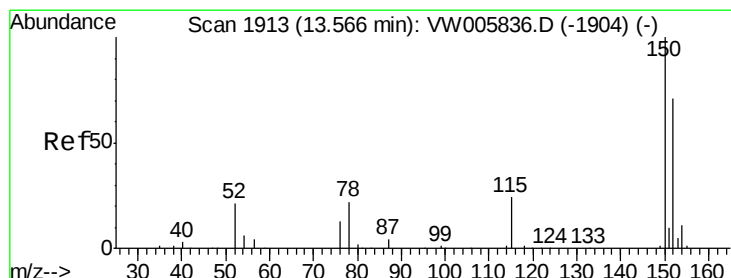
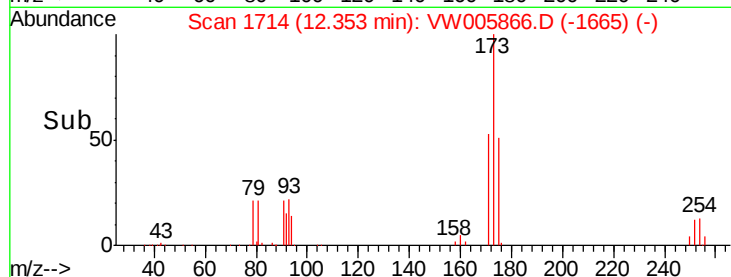
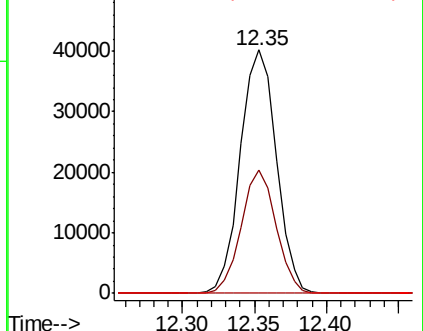
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

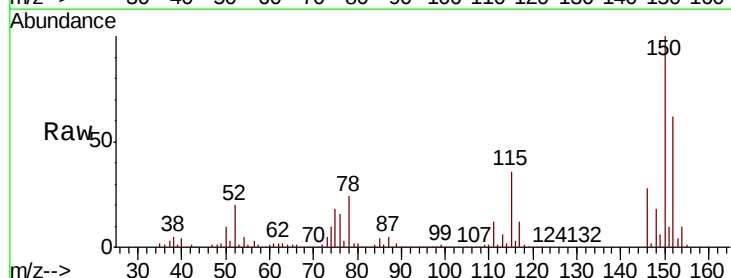
Tgt Ion:152 Resp: 158493

Ion Ratio Lower Upper

152 100

115 58.4 29.8 89.4

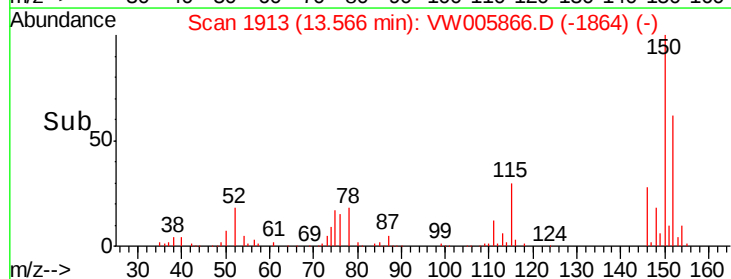
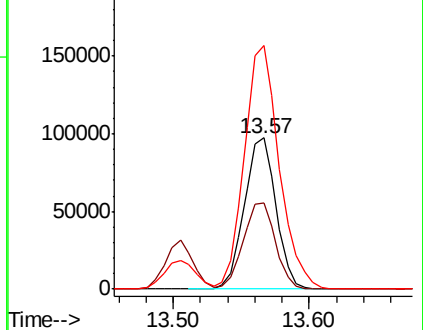
150 177.2 0.0 349.4

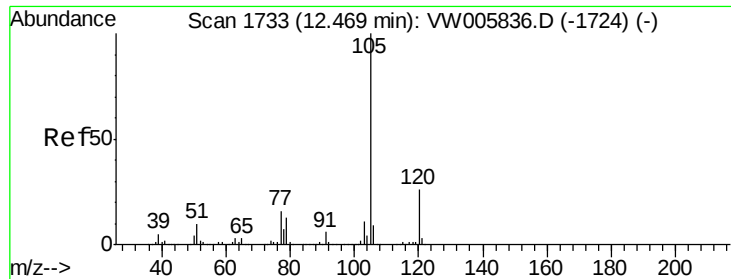


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.646 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

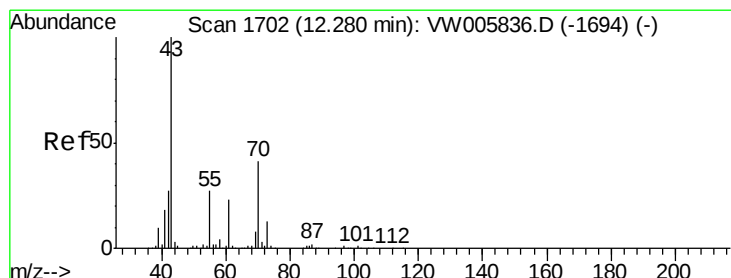
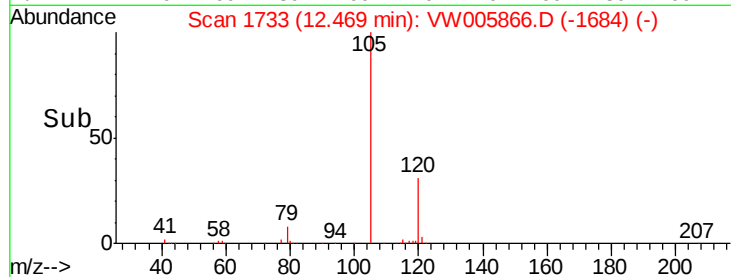
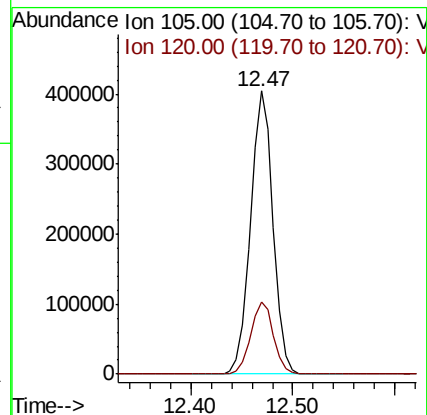
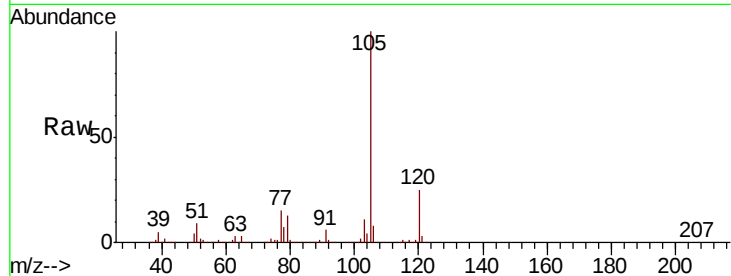
BFB

Tgt Ion: 105 Resp: 617728

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



#74

N-ethyl acetate

Concen: 58.672 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Tgt Ion: 43 Resp: 139242

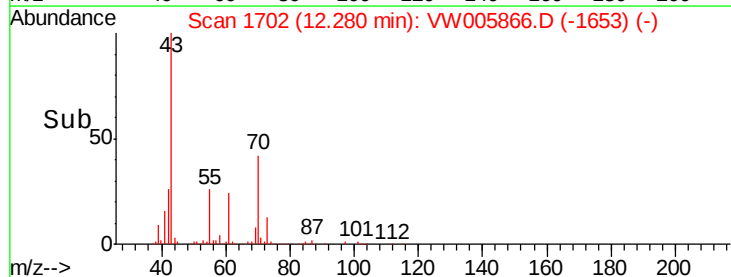
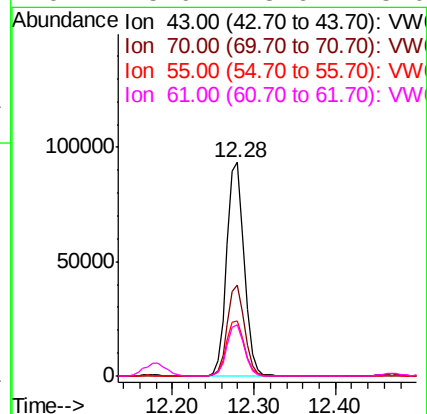
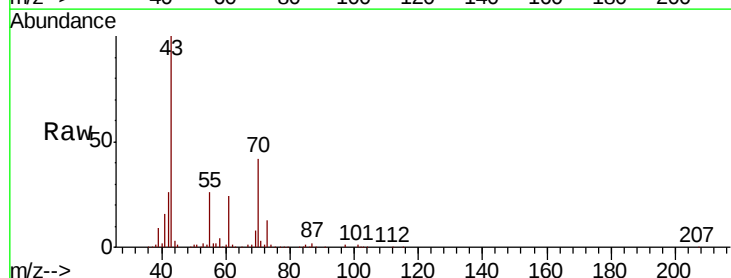
Ion Ratio Lower Upper

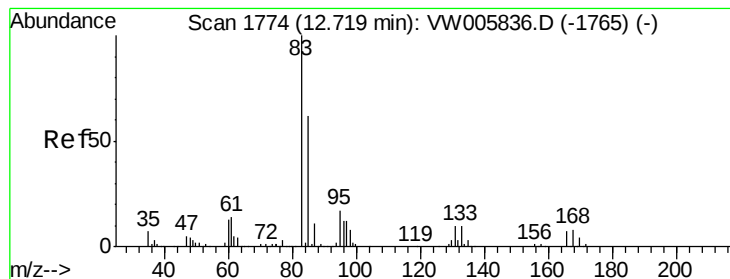
43 100

70 41.7 33.6 50.4

55 26.8 21.8 32.6

61 23.9 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.593 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

BFB

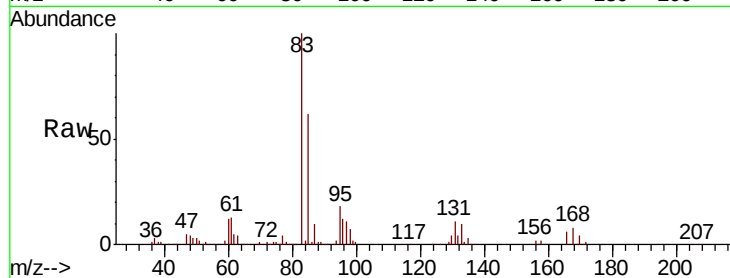
Tgt Ion: 83 Resp: 104017

Ion Ratio Lower Upper

83 100

131 11.3 5.9 17.6

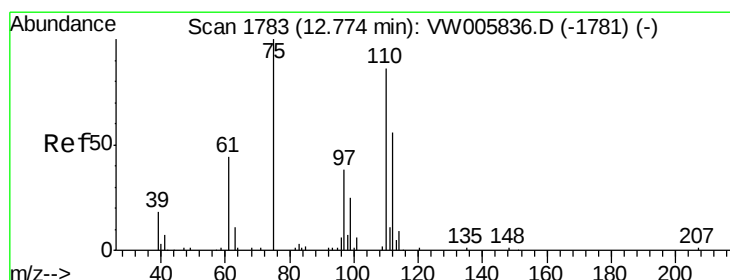
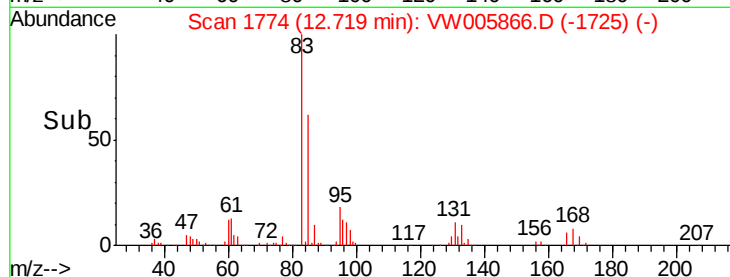
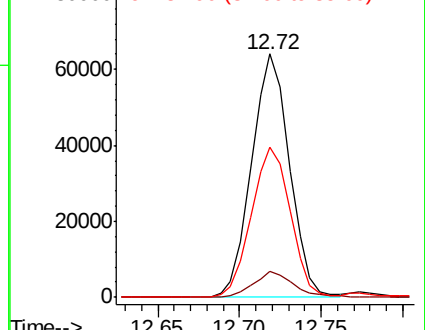
85 63.2 31.8 95.3



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: 101.961 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005866.D

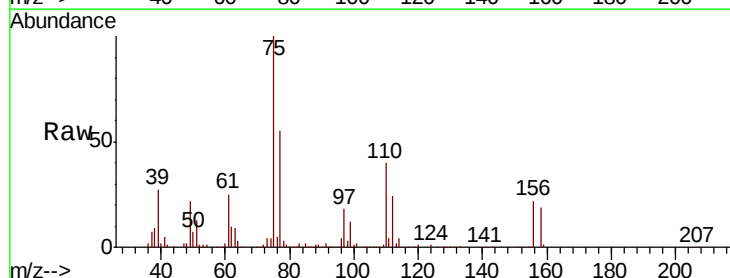
Acq: 04 Oct 2018 22:47

Tgt Ion: 75 Resp: 146865

Ion Ratio Lower Upper

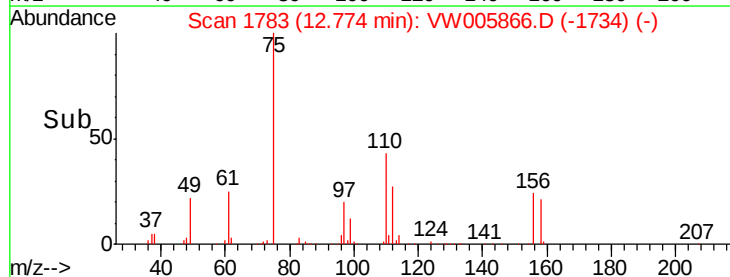
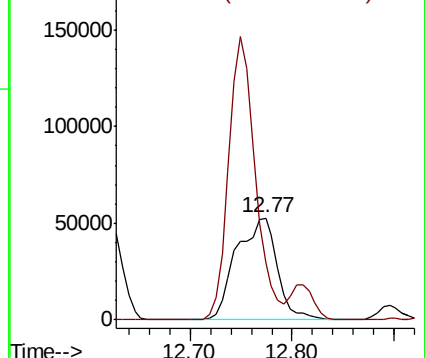
75 100

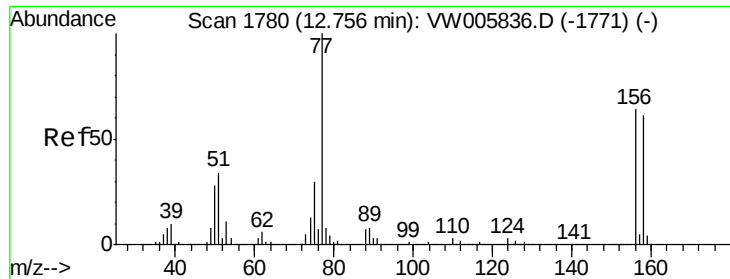
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.564 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampleId :

BFB

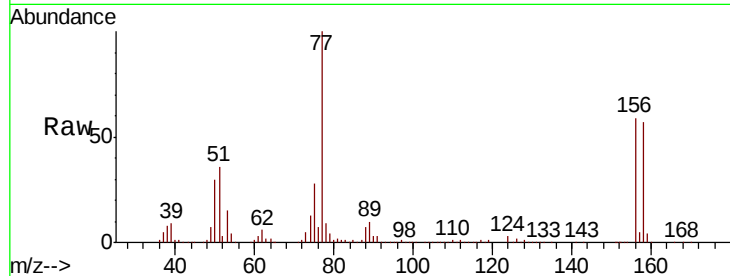
Tgt Ion: 156 Resp: 144218

Ion Ratio Lower Upper

156 100

77 184.8 91.0 273.1

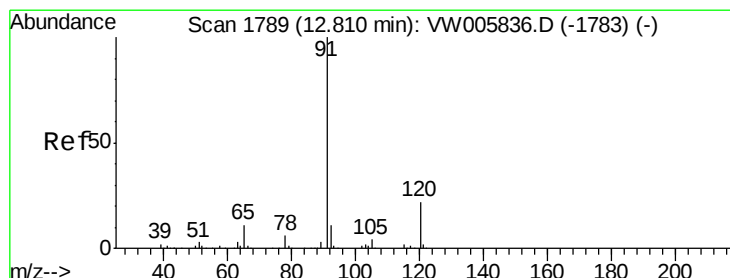
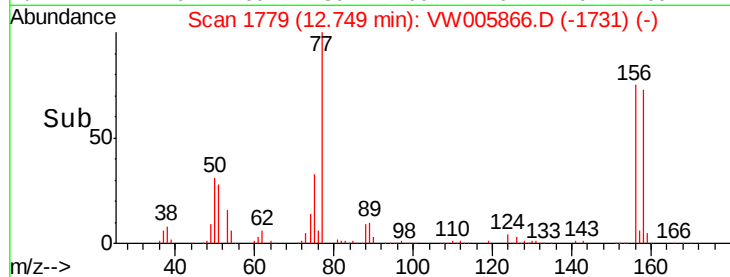
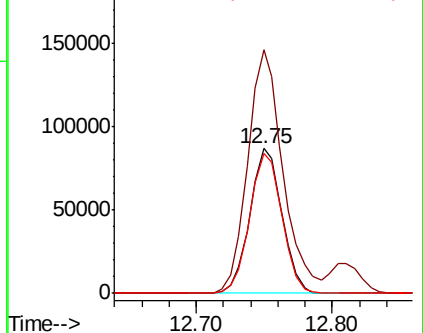
158 97.1 48.4 145.2



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: 54.976 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005866.D

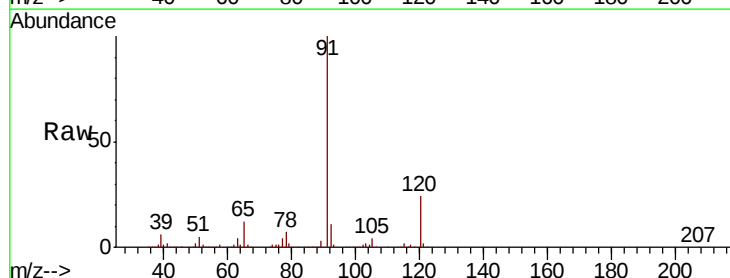
Acq: 04 Oct 2018 22:47

Tgt Ion: 91 Resp: 713076

Ion Ratio Lower Upper

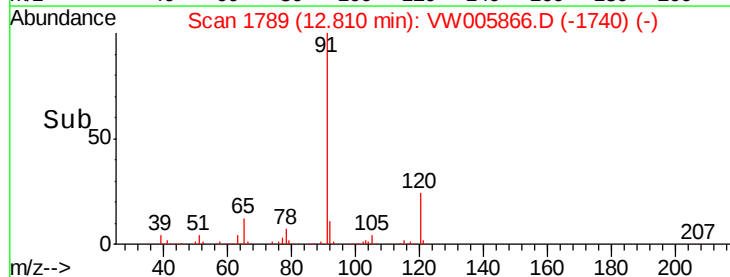
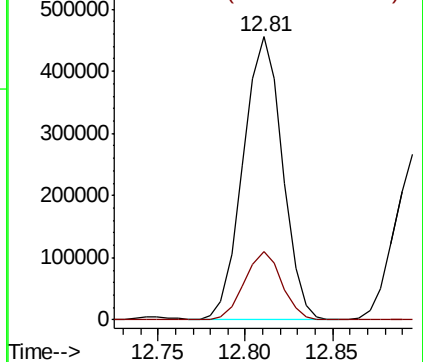
91 100

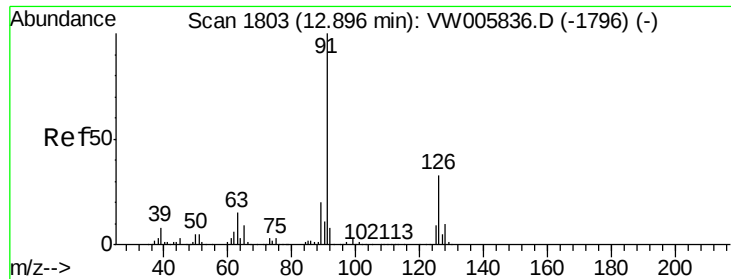
120 23.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

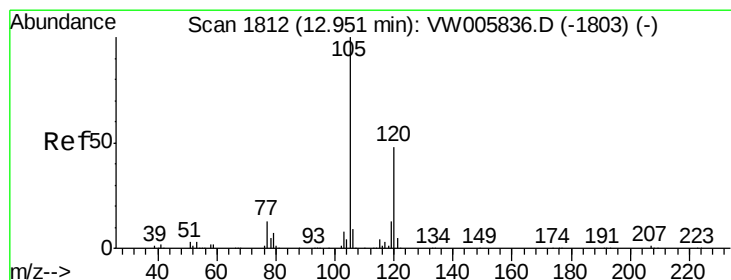
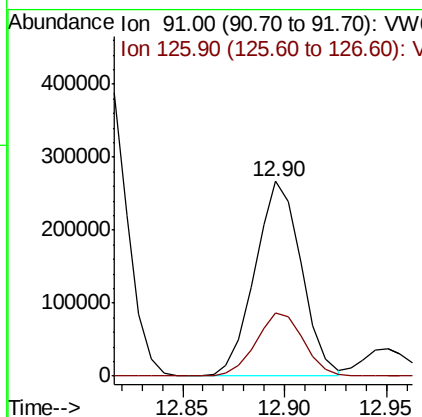
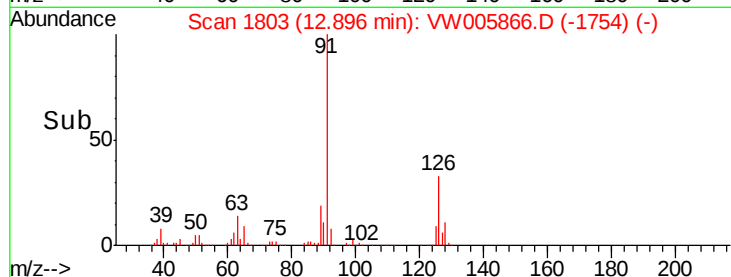
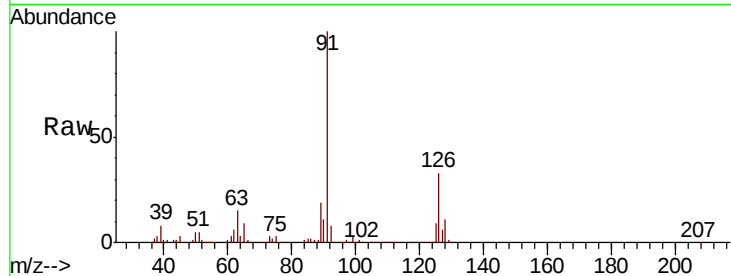




#79
 2-Chlorotoluene
 Concen: 54.834 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

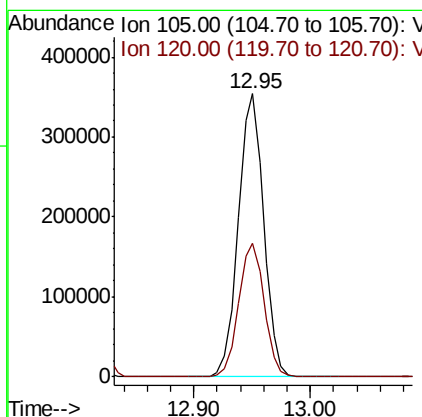
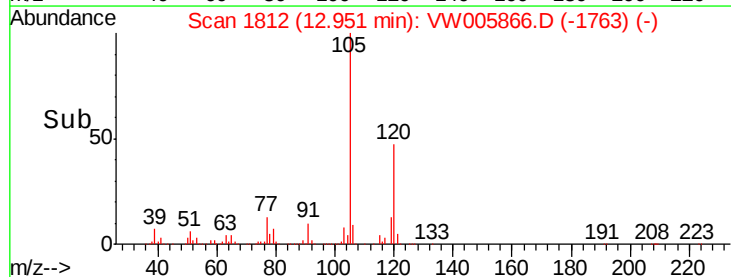
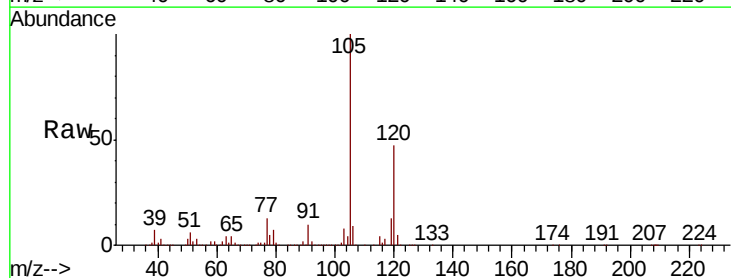
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

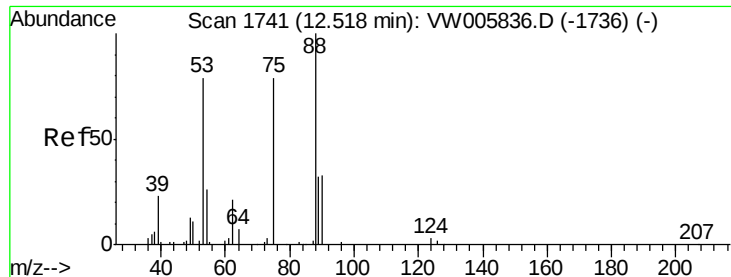
Tgt Ion: 91 Resp: 423624
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 56.697 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion: 105 Resp: 536927
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 59.855 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampled :

BFB

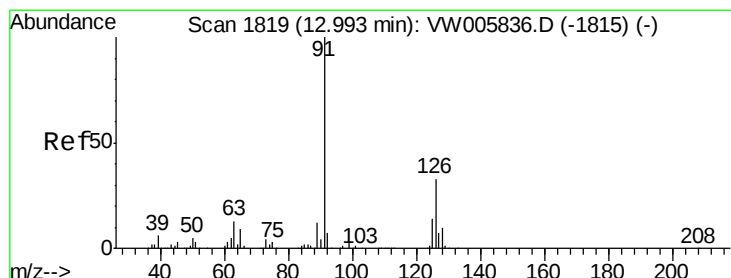
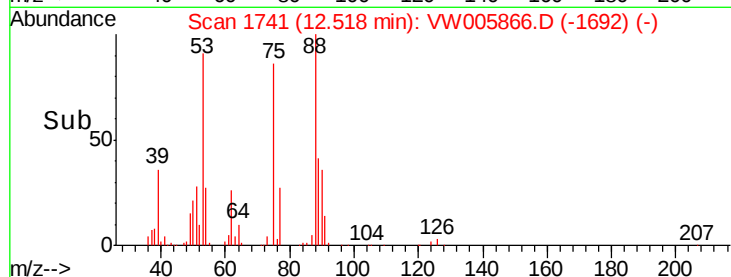
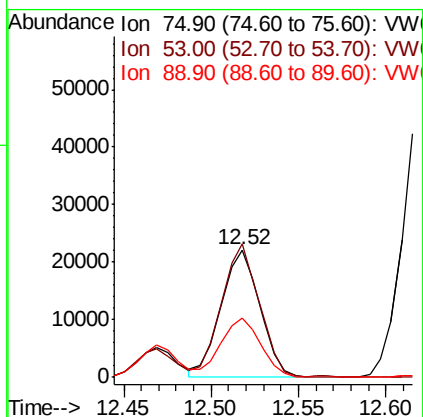
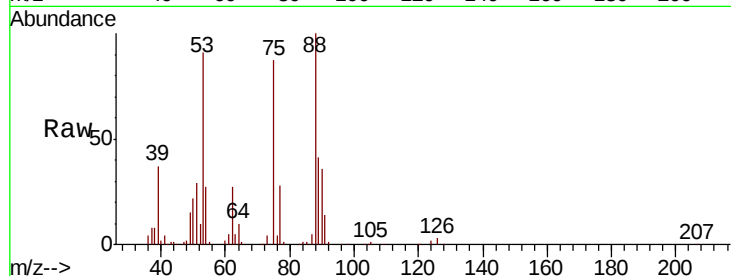
Tgt Ion: 75 Resp: 34107

Ion Ratio Lower Upper

75 100

53 101.7 83.7 125.5

89 46.9 37.5 56.3



#82

4-Chlorotoluene

Concen: 55.896 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005866.D

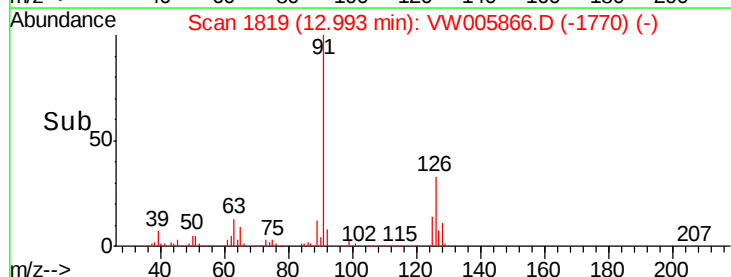
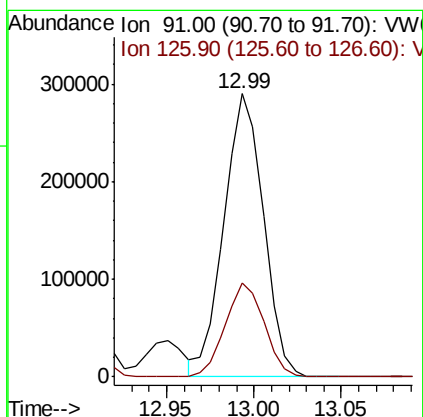
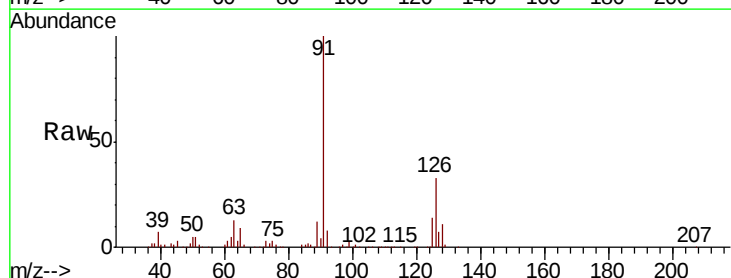
Acq: 04 Oct 2018 22:47

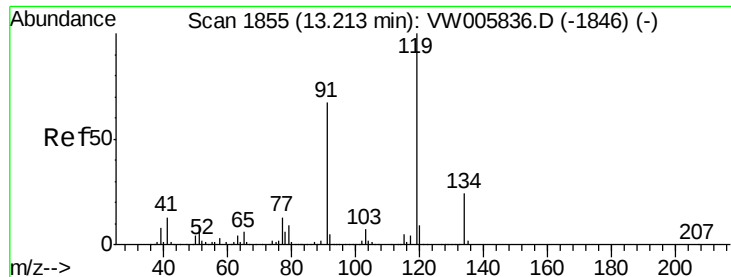
Tgt Ion: 91 Resp: 455182

Ion Ratio Lower Upper

91 100

126 32.9 16.7 50.0

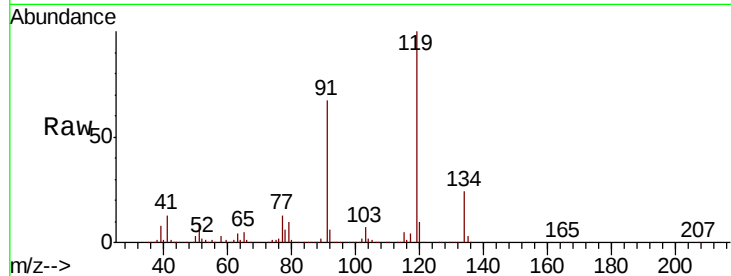




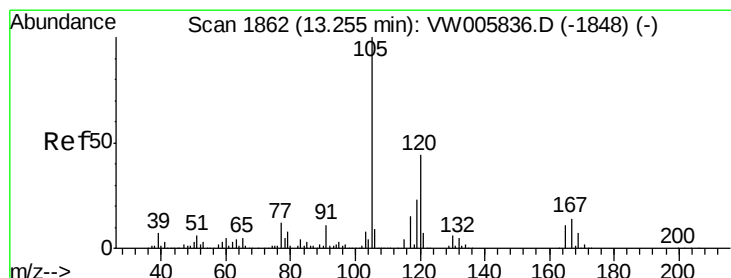
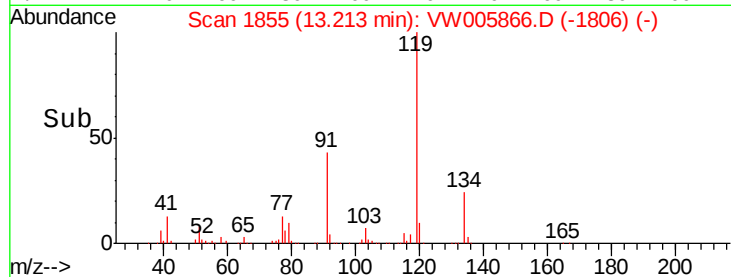
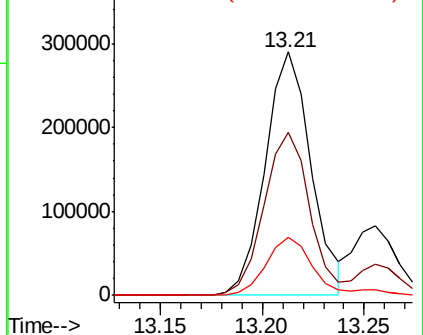
#83
 tert-Butylbenzene
 Concen: 57.514 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:119 Resp: 454231
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.4 100.2
 134 25.3 12.8 38.3

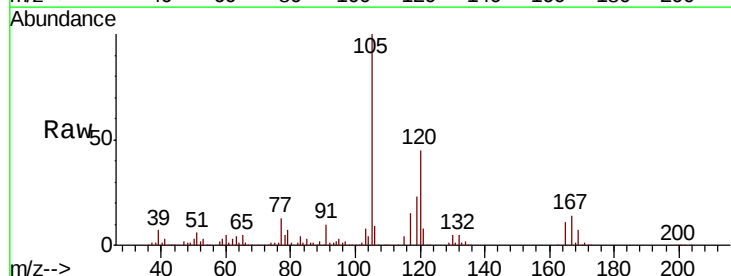


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

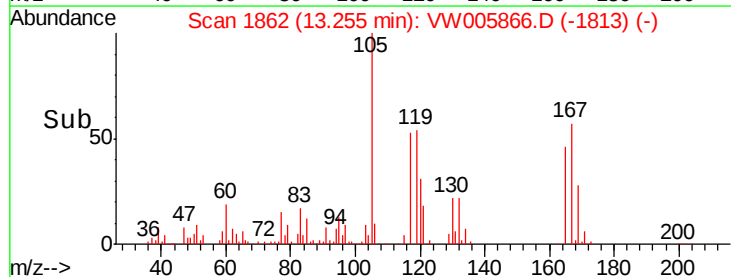
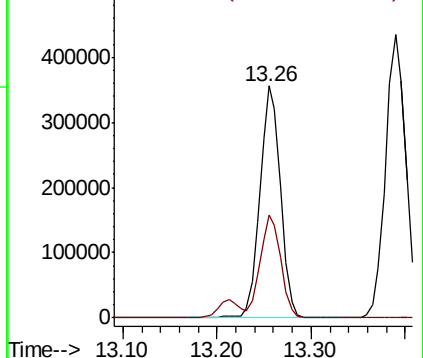


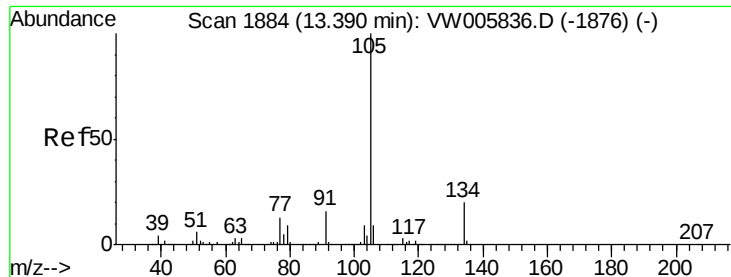
#84
 1,2,4-Trimethylbenzene
 Concen: 56.458 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion:105 Resp: 548985
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.9 65.7



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

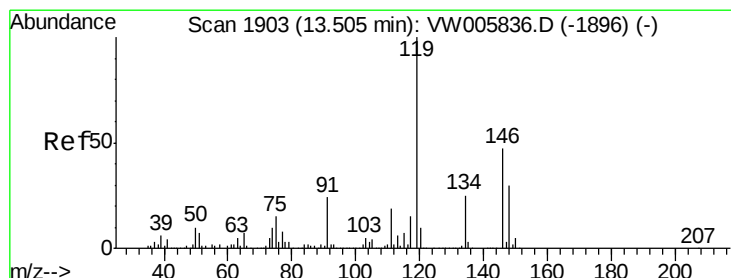
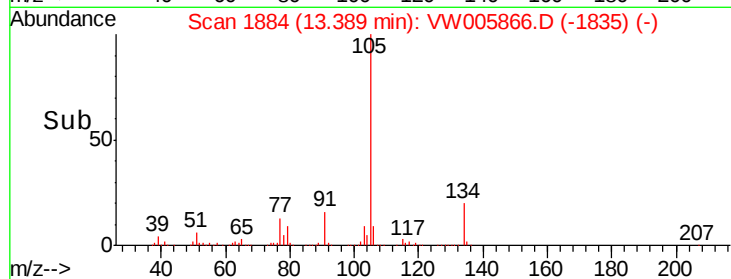
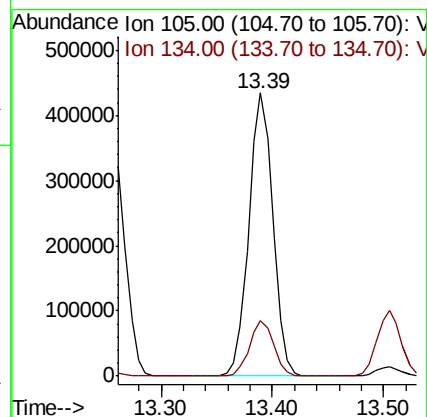
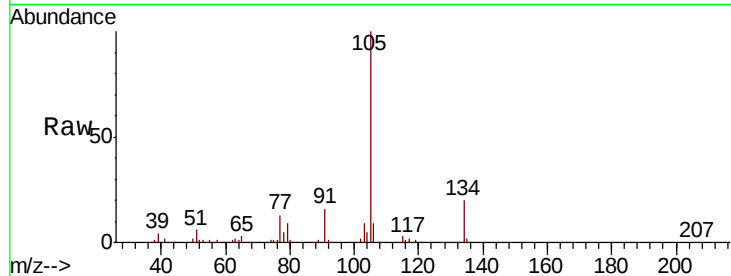




#85
 sec-Butylbenzene
 Concen: 56.988 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

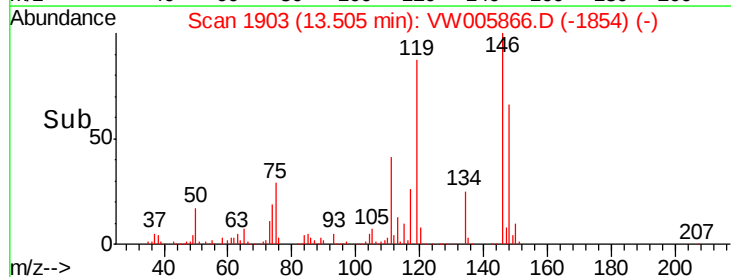
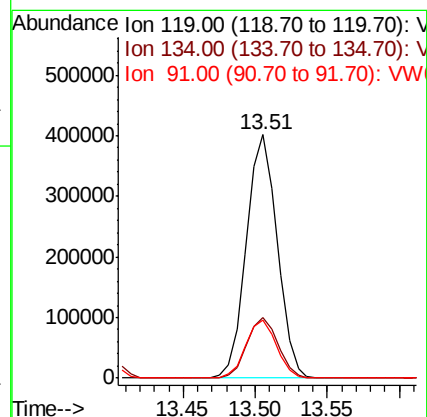
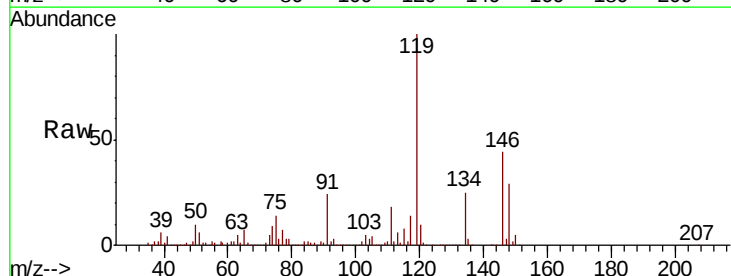
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

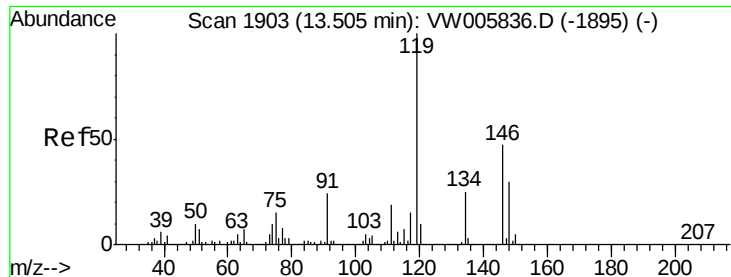
Tgt Ion:105 Resp: 649699
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 58.041 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion:119 Resp: 593956
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.0
 91 23.9 11.9 35.9

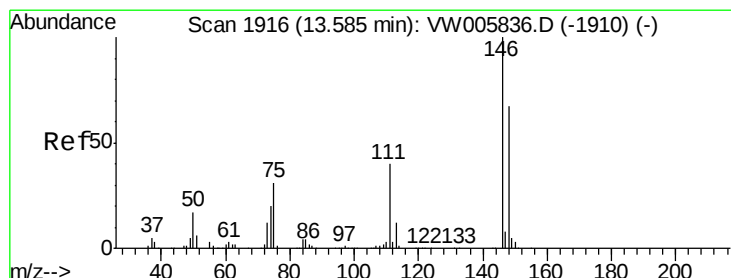
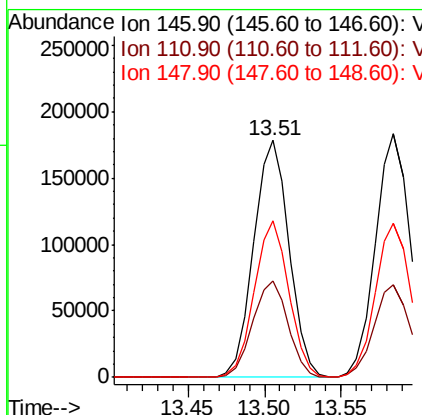
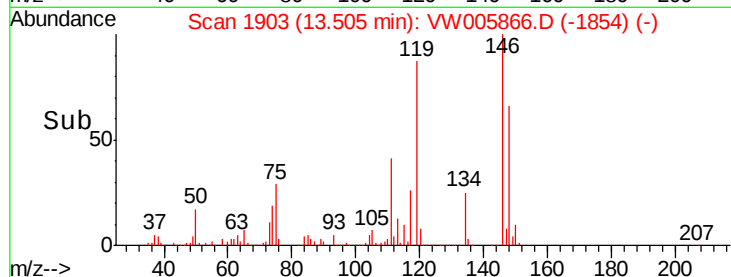
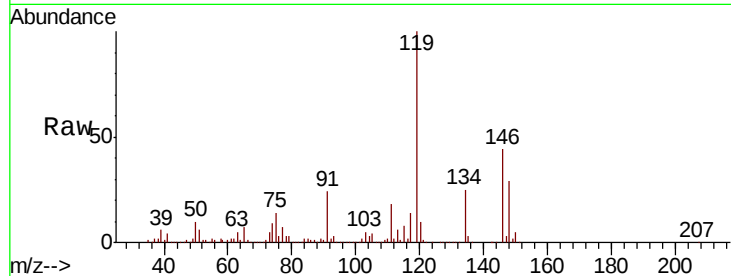




#87
 1,3-Dichlorobenzene
 Concen: 53.012 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

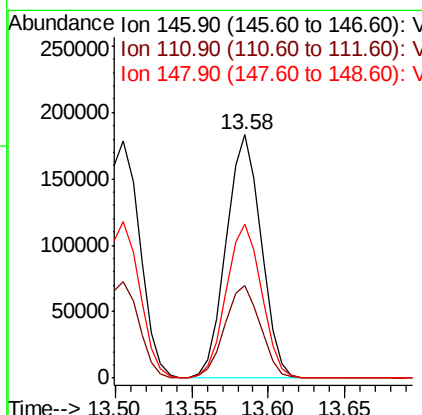
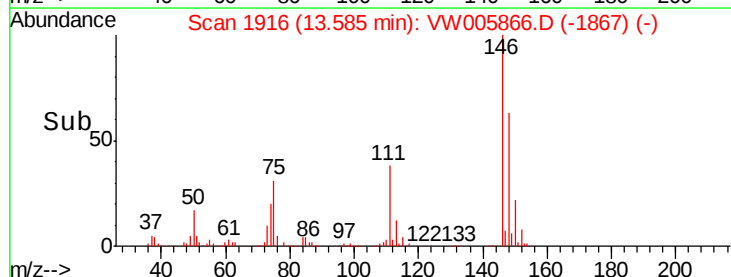
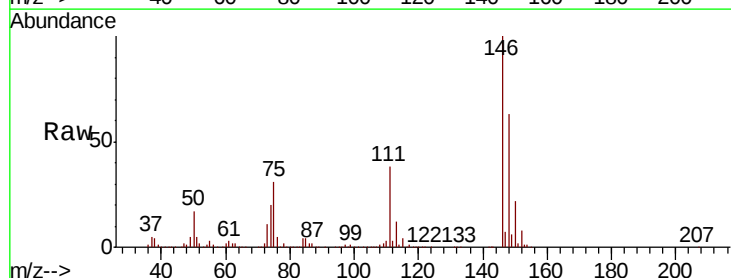
Instrument :
 MSVOA_W
 ClientSampleID :
 BFB

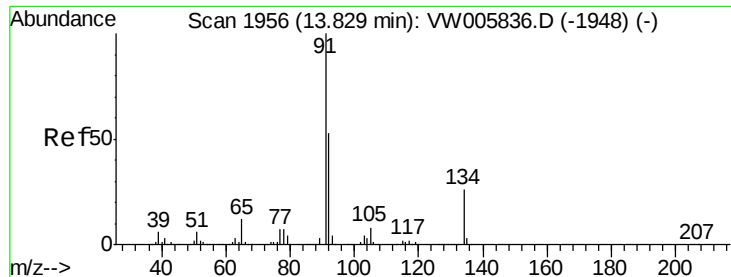
Tgt Ion:146 Resp: 287936
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.9 59.7
 148 64.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 53.583 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion:146 Resp: 290381
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.1
 148 64.0 32.1 96.5





#89

n-Butylbenzene

Concen: 58.149 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW005866.D

Acq: 04 Oct 2018 22:47

Instrument :

MSVOA_W

ClientSampled :

BFB

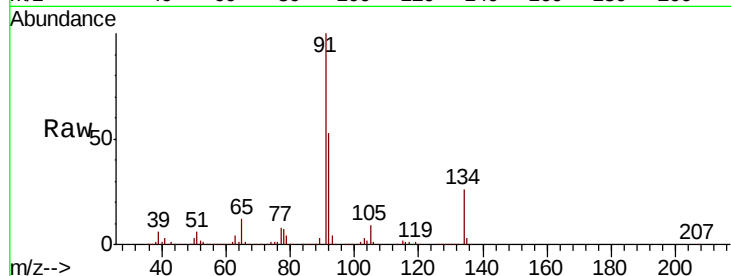
Tgt Ion: 91 Resp: 548042

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.5

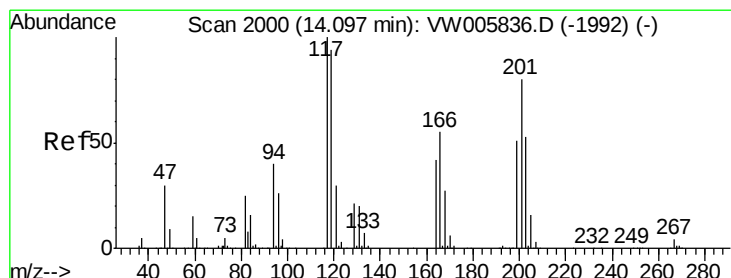
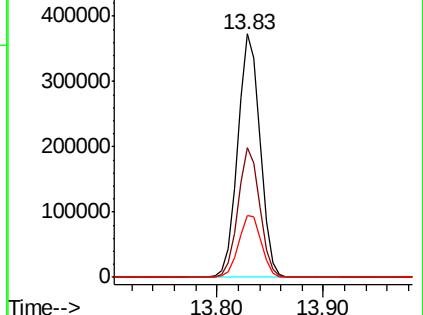
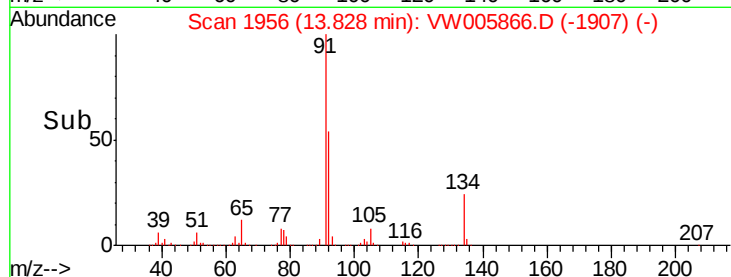
134 25.9 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.690 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW005866.D

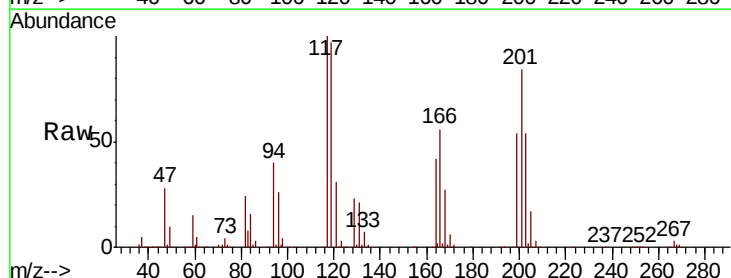
Acq: 04 Oct 2018 22:47

Tgt Ion: 117 Resp: 101380

Ion Ratio Lower Upper

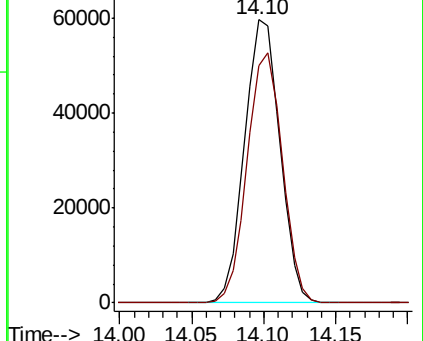
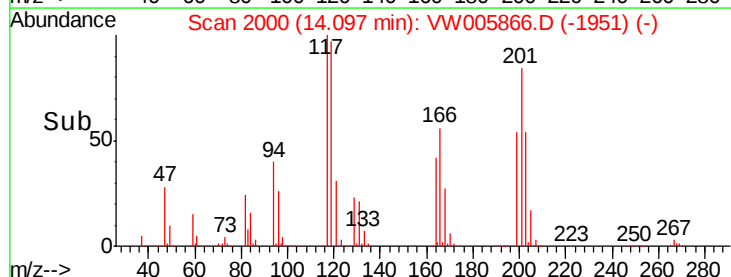
117 100

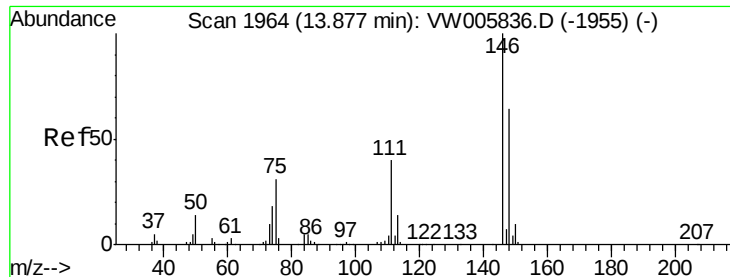
201 87.9 43.7 131.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

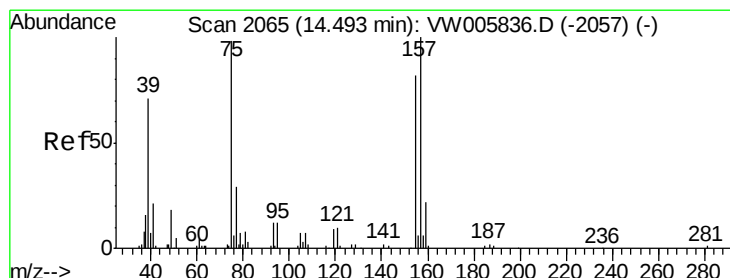
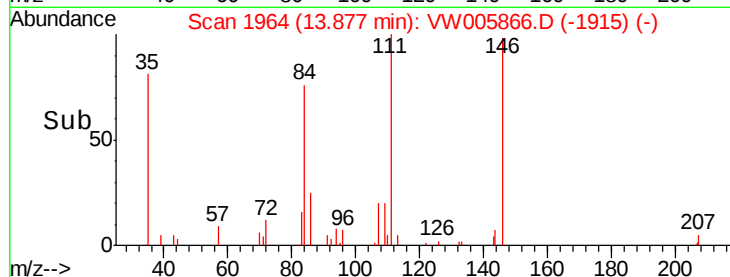
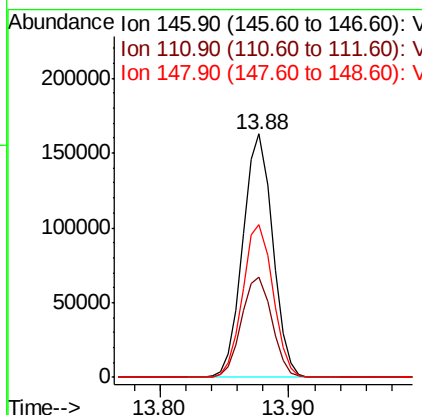
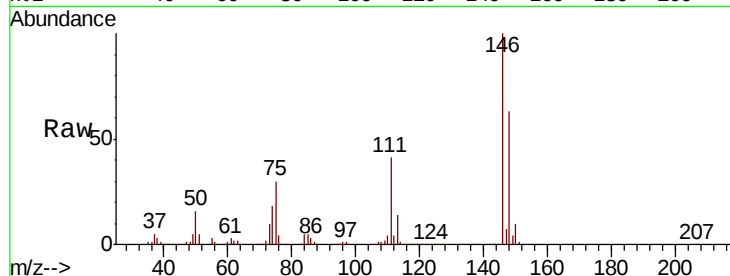




#91
 1,2-Dichlorobenzene
 Concen: 53.306 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

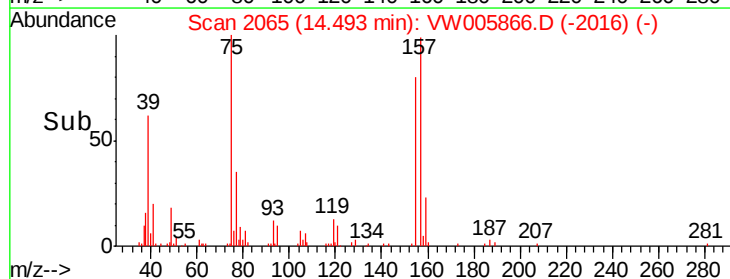
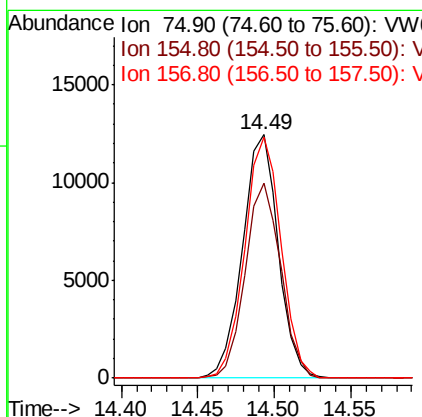
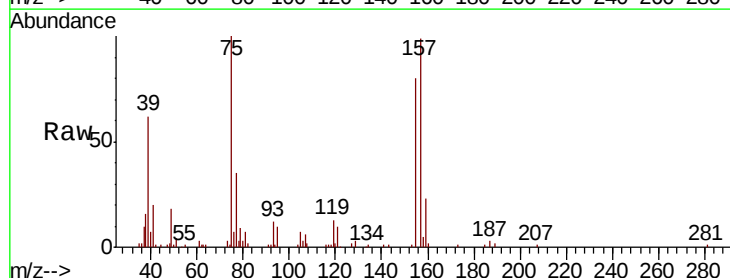
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

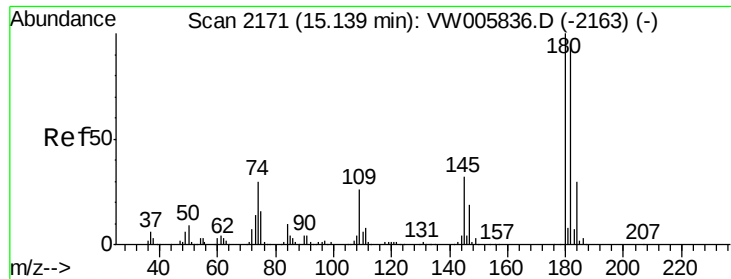
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.4	61.3
148	63.6	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.773 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	41.3	123.9
157	101.0	51.9	155.7

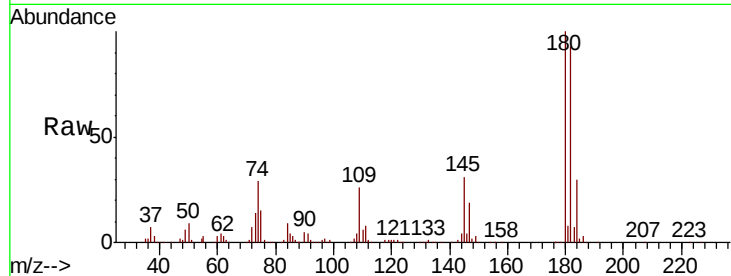




#93
 1,2,4-Trichlorobenzene
 Concen: 55.968 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion	Resp	Lower	Upper
180	191009		
182	94.5	47.6	142.8
145	30.2	15.0	45.0

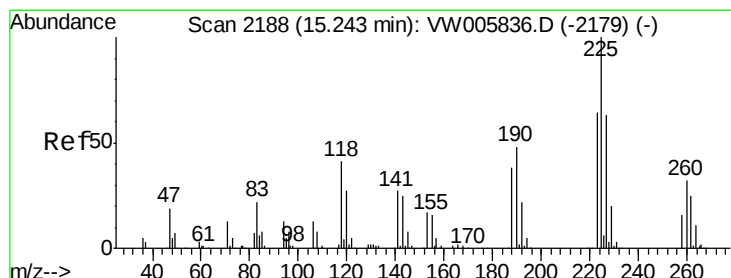
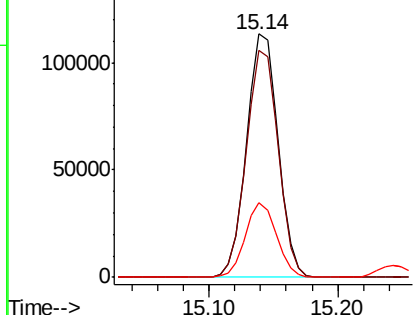
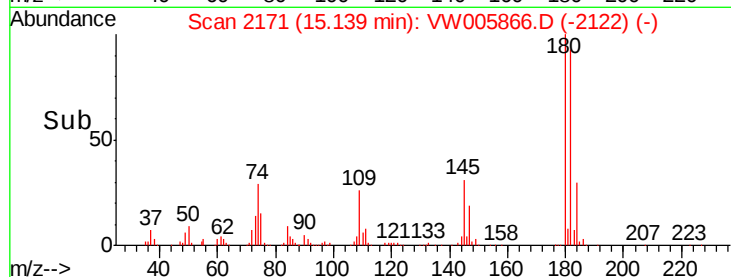


Abundance

Ion 179.80 (179.50 to 180.50): V

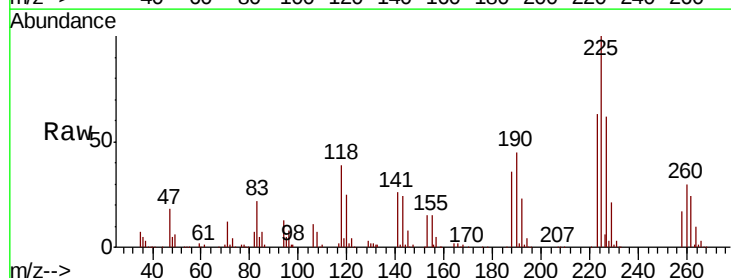
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 54.800 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005866.D
 Acq: 04 Oct 2018 22:47

Tgt Ion	Resp	Lower	Upper
225	118260		
223	63.5	31.2	93.6
227	64.1	31.7	95.1

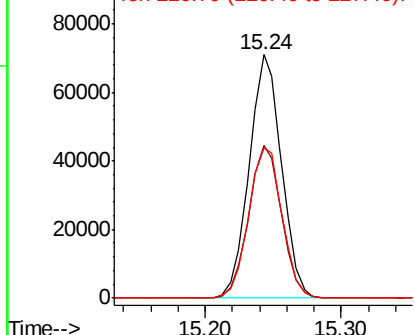
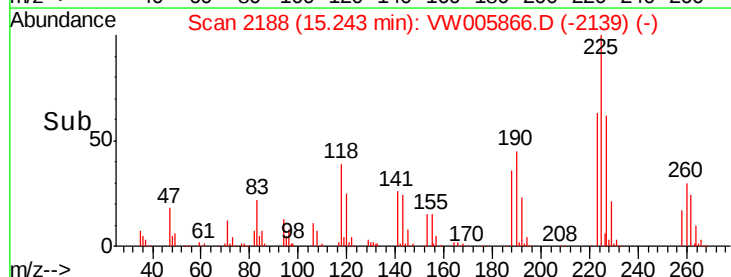


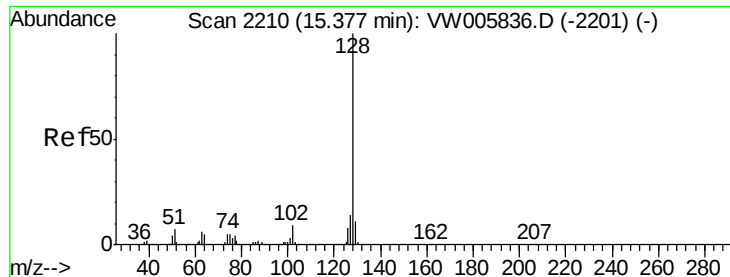
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

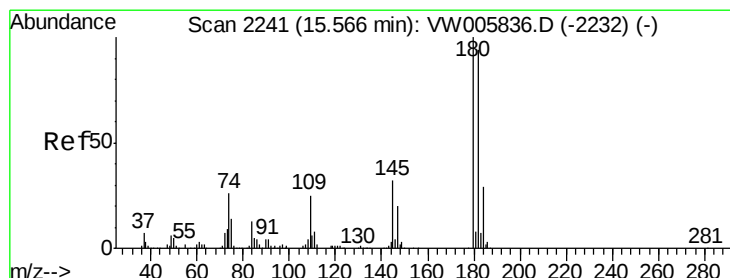
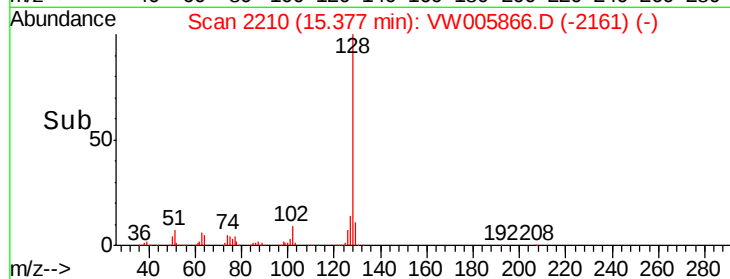
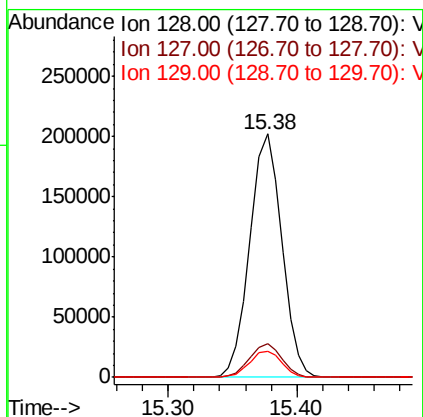
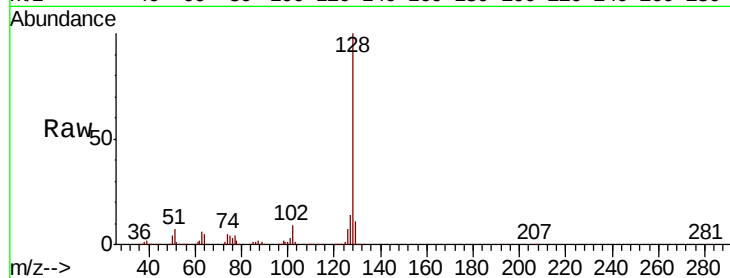




#95
Naphthalene
Concen: 53.533 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion:128 Resp: 347674
Ion Ratio Lower Upper
128 100
127 13.8 10.9 16.3
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 55.897 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005866.D
Acq: 04 Oct 2018 22:47

Tgt Ion:180 Resp: 171507
Ion Ratio Lower Upper
180 100
182 95.4 47.3 142.0
145 31.7 16.1 48.2

