

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
 Data File : VW011762.D
 Acq On : 07 Aug 2019 19:56
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Aug 08 08:45:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	144478	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	7.88	113	116247	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	
50) Toluene-d8	10.32	98	470835	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
62) 4-Bromofluorobenzene	12.62	95	166696	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	60756	46.853	ug/l	98
3) Chloromethane	2.21	50	100404	44.652	ug/l	97
4) Vinyl Chloride	2.36	62	131219	48.472	ug/l	100
5) Bromomethane	2.76	94	63991	42.705	ug/l	99
6) Chloroethane	2.91	64	75692	48.949	ug/l	99
7) Trichlorofluoromethane	3.25	101	72331	59.785	ug/l	95
8) Diethyl Ether	3.68	74	71326	51.997	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	121419	52.905	ug/l	98
10) Methyl Iodide	4.27	142	170548	52.584	ug/l	99
11) Tert butyl alcohol	5.18	59	44929	226.162	ug/l	100
12) 1,1-Dichloroethene	4.04	96	122865	50.703	ug/l	98
13) Acrolein	3.89	56	39829	207.759	ug/l	98
14) Allyl chloride	4.66	41	278410	54.019	ug/l	99
15) Acrylonitrile	5.37	53	180672	263.848	ug/l	100
16) Acetone	4.12	43	168624	198.408	ug/l	99
17) Carbon Disulfide	4.38	76	370349	48.831	ug/l	99
18) Methyl Acetate	4.67	43	98085	51.374	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	208669	54.265	ug/l	96
20) Methylene Chloride	4.92	84	138134	47.127	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	139736	53.487	ug/l	96
22) Diisopropyl ether	6.31	45	529714	54.514	ug/l	97
23) Vinyl Acetate	6.25	43	1663891	272.510	ug/l	100
24) 1,1-Dichloroethane	6.21	63	284014	54.574	ug/l	99
25) 2-Butanone	7.17	43	259994	233.787	ug/l	99
26) 2,2-Dichloropropane	7.16	77	155291	48.521	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	152374	52.994	ug/l	99
28) Bromochloromethane	7.51	49	118201	51.171	ug/l	# 99
29) Tetrahydrofuran	7.53	42	165445	260.263	ug/l	99
30) Chloroform	7.67	83	258384	53.817	ug/l	97
31) Cyclohexane	7.95	56	255687	51.183	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	203509	55.658	ug/l	99
36) 1,1-Dichloropropene	8.08	75	215397	55.239	ug/l	99
37) Ethyl Acetate	7.25	43	118700	52.910	ug/l	99
38) Carbon Tetrachloride	8.07	117	185473	55.562	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	241271	56.192	ug/l	98
40) Benzene	8.32	78	593876	54.372	ug/l	100
41) Methacrylonitrile	7.48	41	71103	53.020	ug/l	95
42) 1,2-Dichloroethane	8.40	62	187640	54.871	ug/l	100
43) Isopropyl Acetate	8.42	43	224114	54.320	ug/l	99
44) Trichloroethene	9.09	130	145067	55.260	ug/l	100
45) 1,2-Dichloropropane	9.37	63	161373	55.218	ug/l	100
46) Dibromomethane	9.46	93	72078	54.037	ug/l	100
47) Bromodichloromethane	9.65	83	193324	55.253	ug/l	98
48) Methyl methacrylate	9.43	41	108646	54.819	ug/l	97
49) 1,4-Dioxane	9.46	88	19557	1012.605	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	570251	265.723	ug/l	99
52) Toluene	10.39	92	361717	54.839	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	199590	54.607	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	239456	55.101	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	100669	53.192	ug/l	99
56) Ethyl methacrylate	10.65	69	153842	55.550	ug/l	99
57) 1,3-Dichloropropane	10.93	76	195061	54.478	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	378893	301.324	ug/l	100
59) 2-Hexanone	10.97	43	389233	256.878	ug/l	100
60) Dibromochloromethane	11.13	129	115218	54.845	ug/l	99
61) 1,2-Dibromoethane	11.23	107	95762	53.469	ug/l	99
64) Tetrachloroethene	10.86	164	119313	55.130	ug/l	98
65) Chlorobenzene	11.66	112	361283	54.064	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	130296	55.977	ug/l	99
67) Ethyl Benzene	11.73	91	710637	55.836	ug/l	99
68) m/p-Xylenes	11.84	106	509951	110.176	ug/l	99
69) o-Xylene	12.16	106	239779	55.748	ug/l	100
70) Styrene	12.18	104	415447	55.865	ug/l	100
71) Bromoform	12.35	173	64652	54.476	ug/l #	98
73) Isopropylbenzene	12.46	105	668507	56.281	ug/l	99
74) N-amyl acetate	12.27	43	206263	55.466	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	118963	53.245	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	162160	96.253	ug/l #	100
77) Bromobenzene	12.74	156	144220	54.932	ug/l	100
78) n-propylbenzene	12.80	91	816797	56.503	ug/l	100
79) 2-Chlorotoluene	12.89	91	464048	55.722	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	565589	56.804	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	39805	54.452	ug/l	98
82) 4-Chlorotoluene	12.99	91	481346	55.088	ug/l	99
83) tert-Butylbenzene	13.21	119	478566	57.476	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	564385	56.269	ug/l	99
85) sec-Butylbenzene	13.38	105	676528	56.944	ug/l	100
86) p-Isopropyltoluene	13.50	119	610376	56.624	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	279009	54.199	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	277117	54.115	ug/l	100
89) n-Butylbenzene	13.82	91	608380	56.555	ug/l	100
90) Hexachloroethane	14.10	117	106617	55.934	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	245607	53.943	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20477	53.745	ug/l	98

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QLast Update : Sat Jul 27 00:23:30 2019
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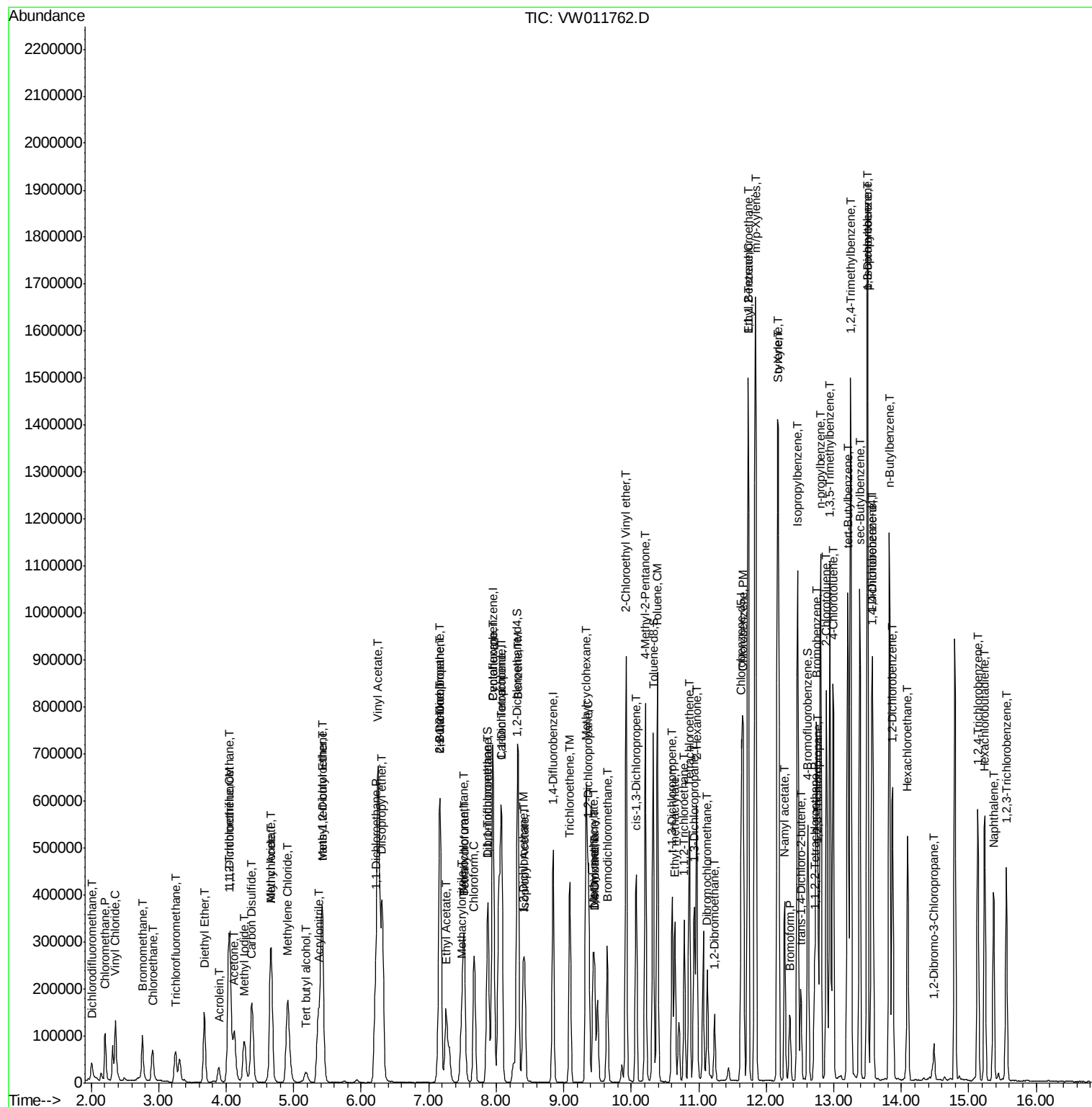
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	176846	55.112	ug/l	100
94) Hexachlorobutadiene	15.24	225	113085	56.511	ug/l	98
95) Naphthalene	15.36	128	326845	51.916	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	153087	54.426	ug/l	99

(#) = 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# 991

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampled :

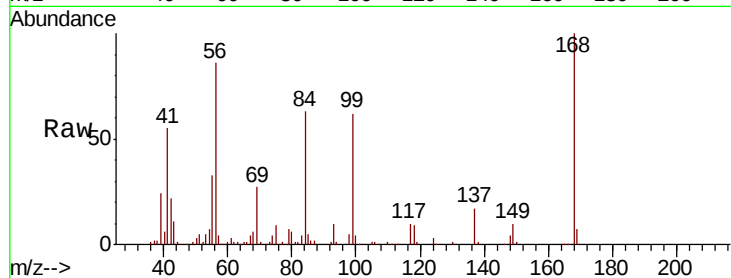
BFB

Tgt Ion:168 Resp: 232676

Ion Ratio Lower Upper

168 100

99 61.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

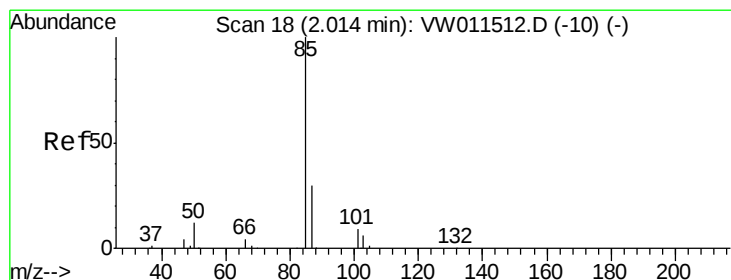
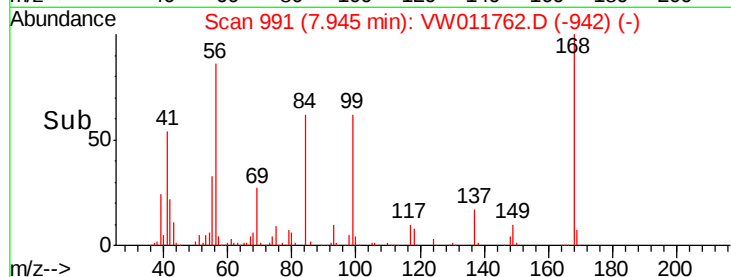
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 46.853 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011762.D

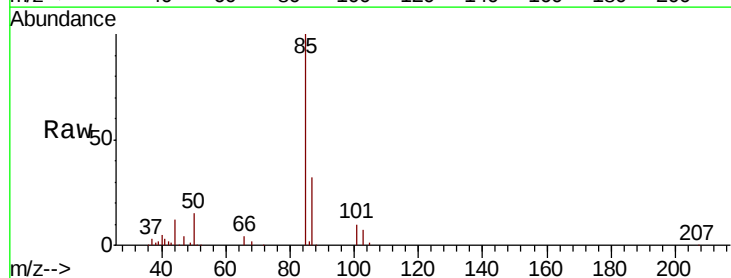
Acq: 07 Aug 2019 19:56

Tgt Ion: 85 Resp: 60756

Ion Ratio Lower Upper

85 100

87 31.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

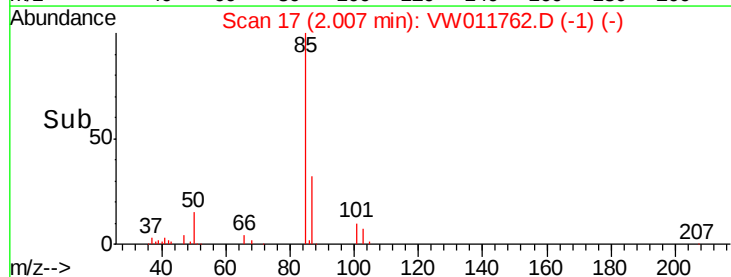
15000

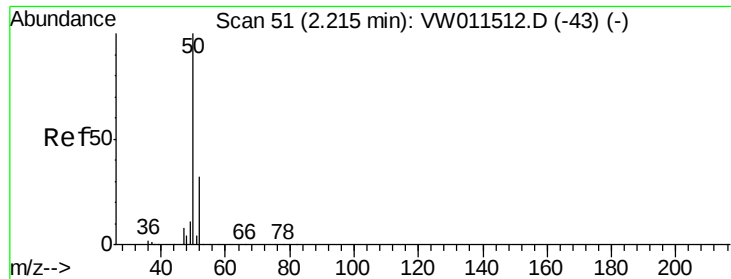
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 44.652 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

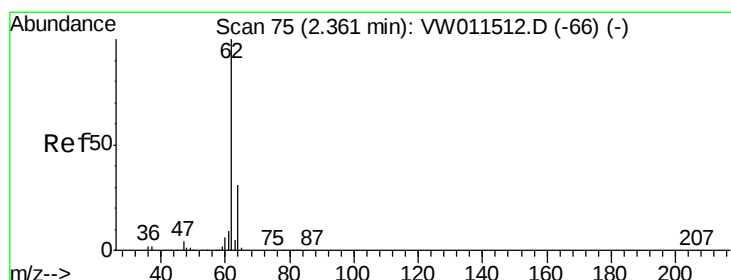
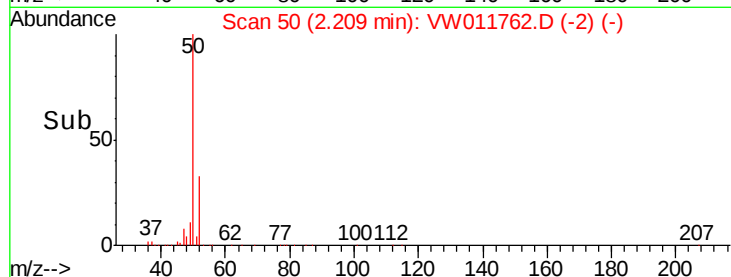
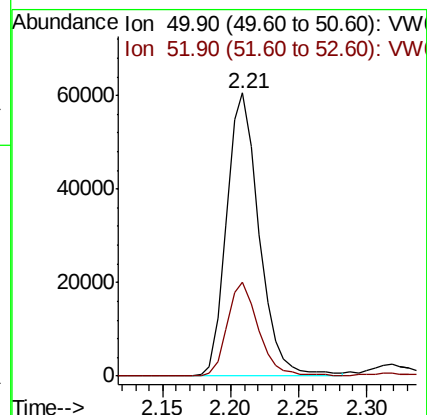
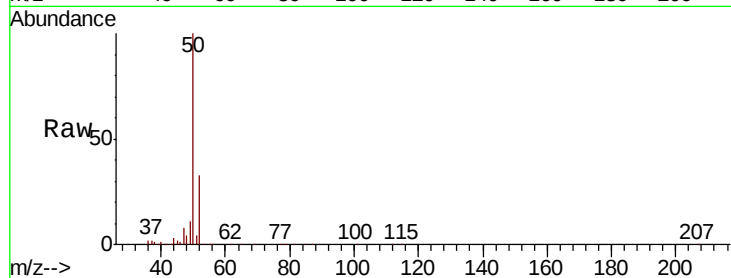
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Tgt Ion: 50 Resp: 100404

Ion Ratio Lower Upper

50 100

52 33.4 25.4 38.2



#4

Vinyl Chloride

Concen: 48.472 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011762.D

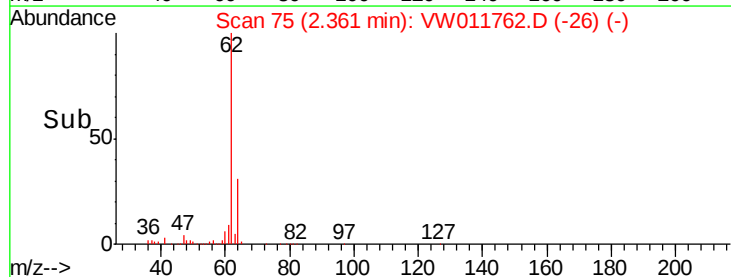
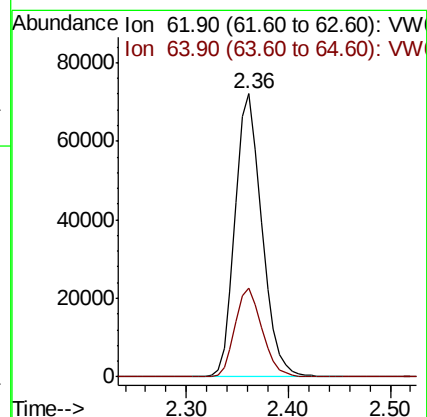
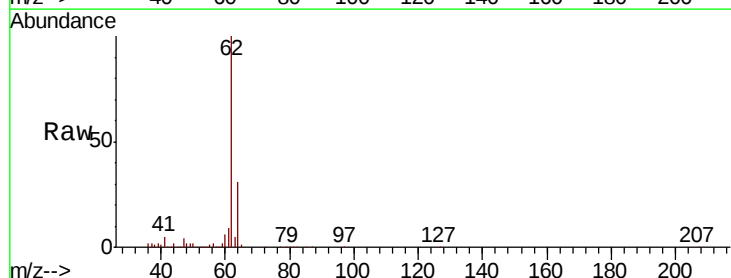
Acq: 07 Aug 2019 19:56

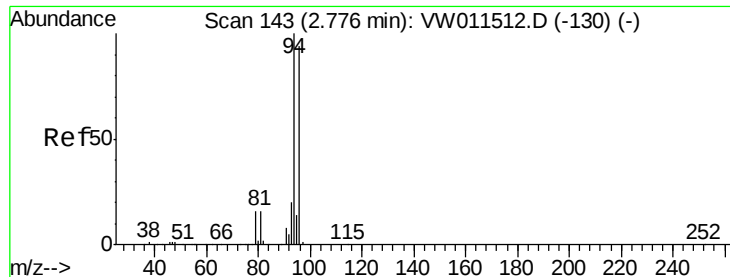
Tgt Ion: 62 Resp: 131219

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4





#5

Bromomethane

Concen: 42.705 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

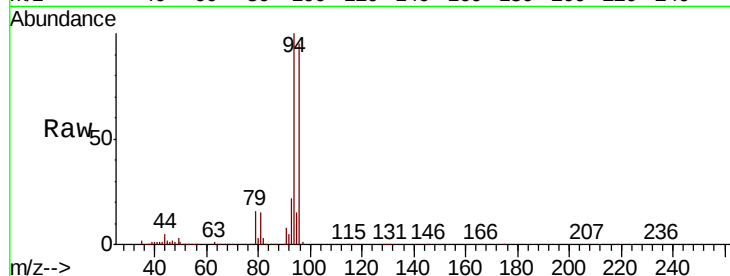
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Tgt Ion: 94 Resp: 63991

Ion Ratio Lower Upper

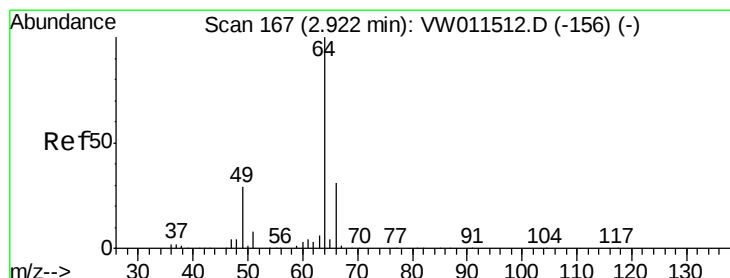
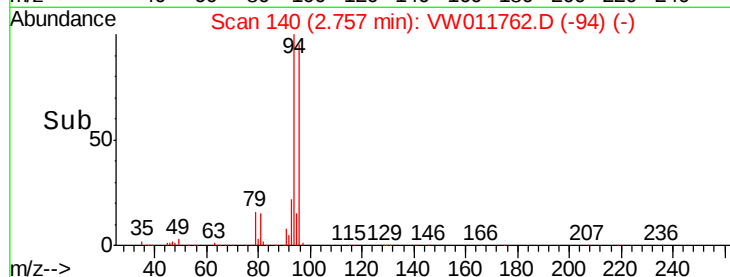
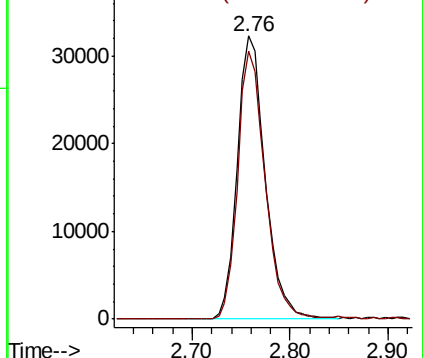
94 100

96 94.6 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 48.949 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011762.D

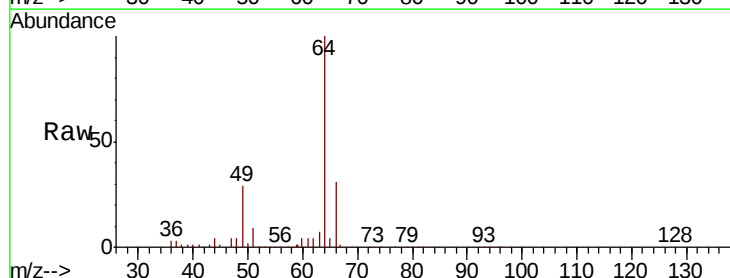
Acq: 07 Aug 2019 19:56

Tgt Ion: 64 Resp: 75692

Ion Ratio Lower Upper

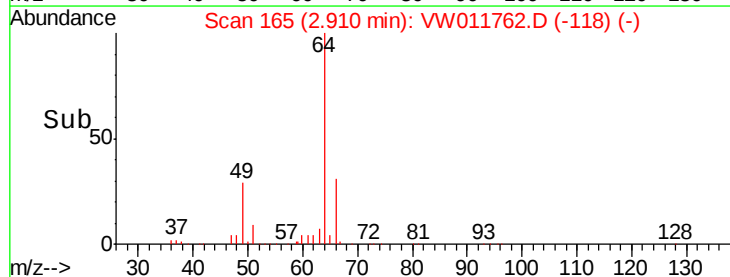
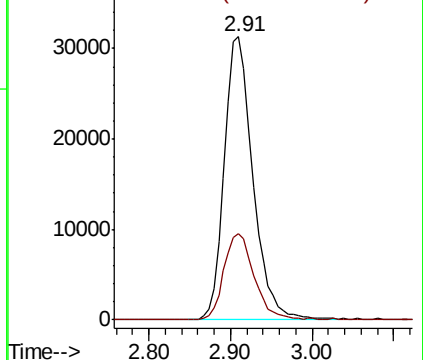
64 100

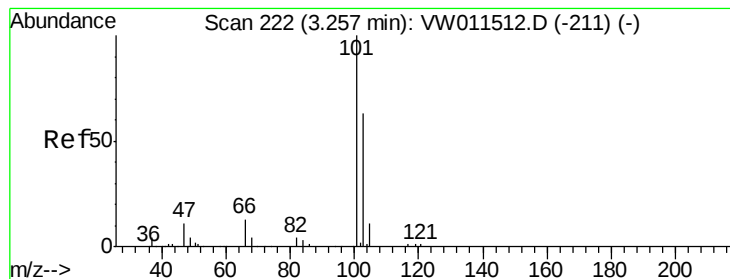
66 30.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



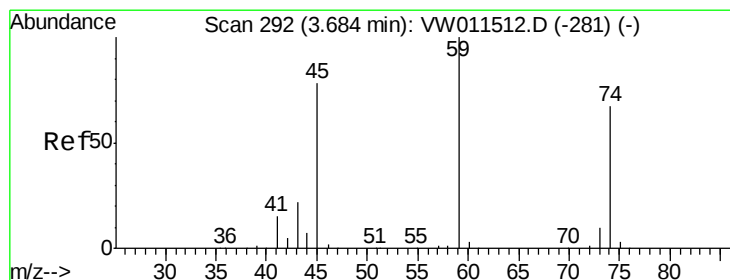
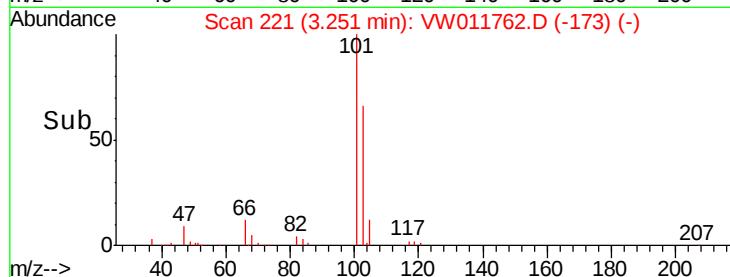
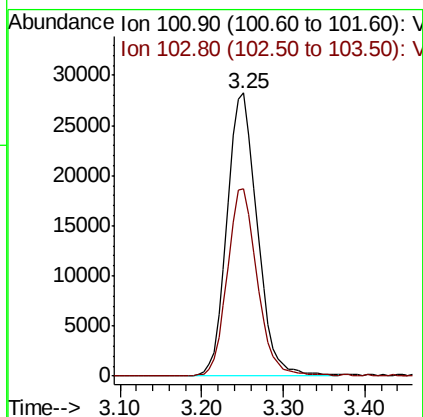
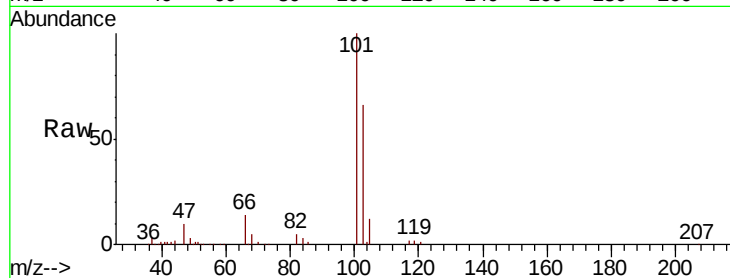


#7

Trichlorofluoromethane
 Concen: 59.785 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011762.D
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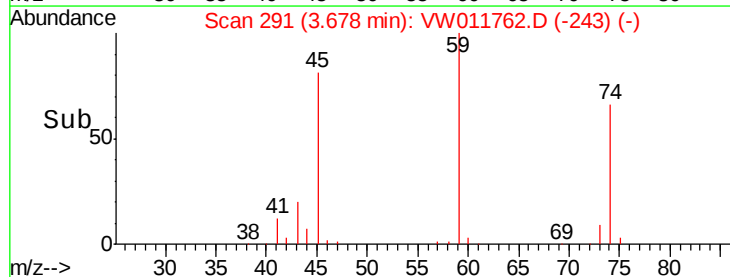
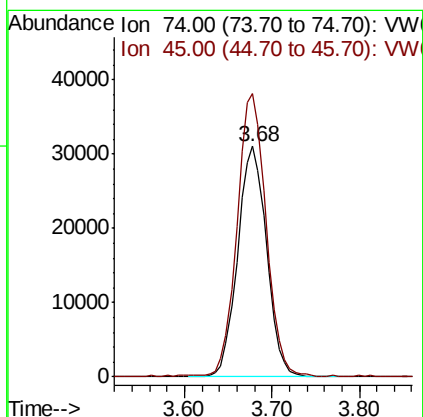
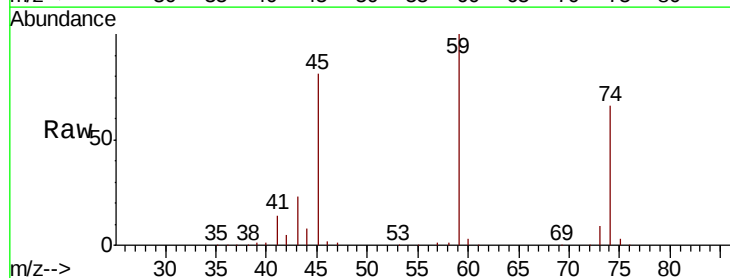
Tgt Ion: 101 Resp: 72331
 Ion Ratio Lower Upper
 101 100
 103 66.3 50.2 75.4

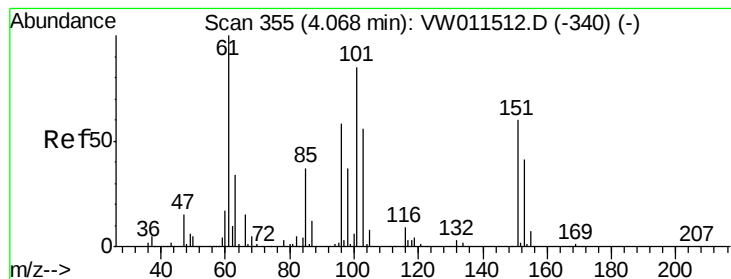


#8

Diethyl Ether
 Concen: 51.997 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion: 74 Resp: 71326
 Ion Ratio Lower Upper
 74 100
 45 122.2 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.905 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

BFB

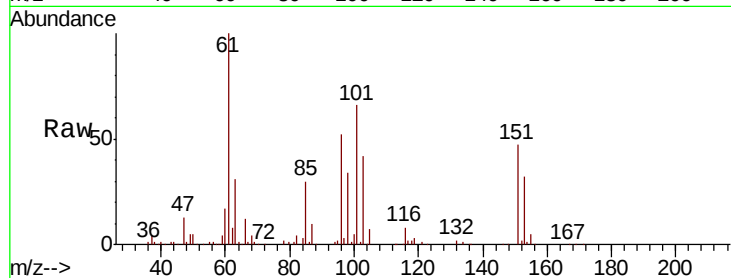
Tgt Ion:101 Resp: 121419

Ion Ratio Lower Upper

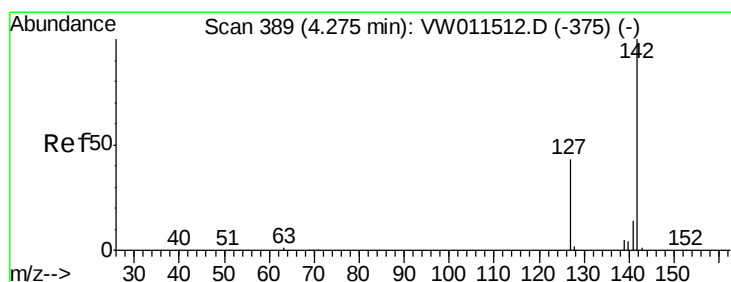
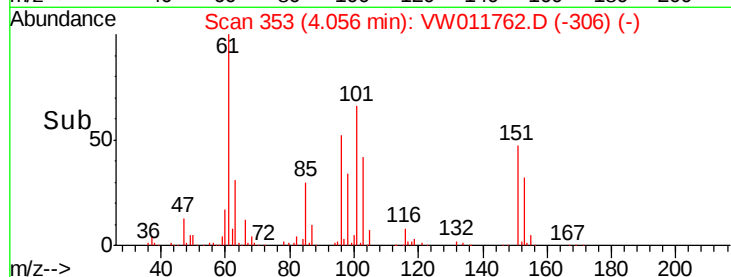
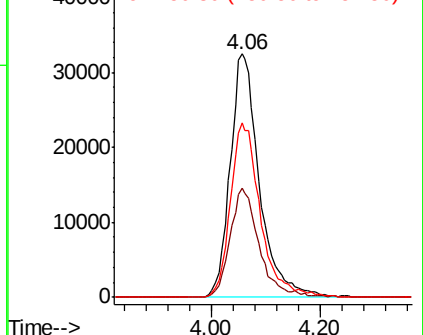
101 100

85 44.6 36.6 54.8

151 73.5 60.2 90.2



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: 52.584 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

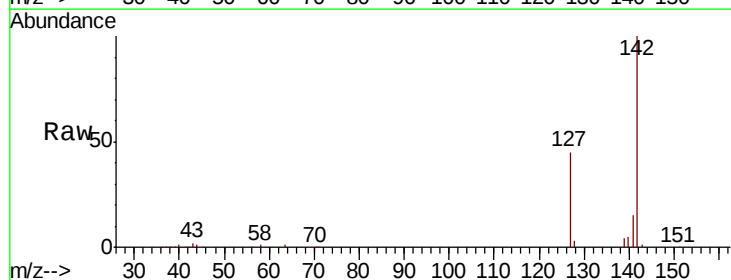
Tgt Ion:142 Resp: 170548

Ion Ratio Lower Upper

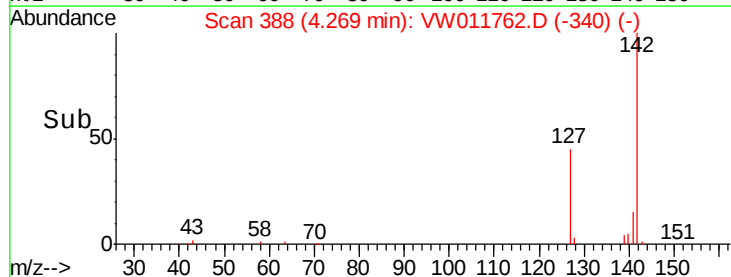
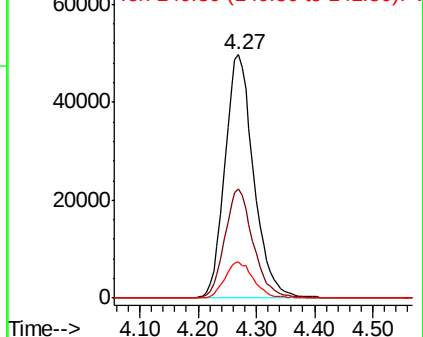
142 100

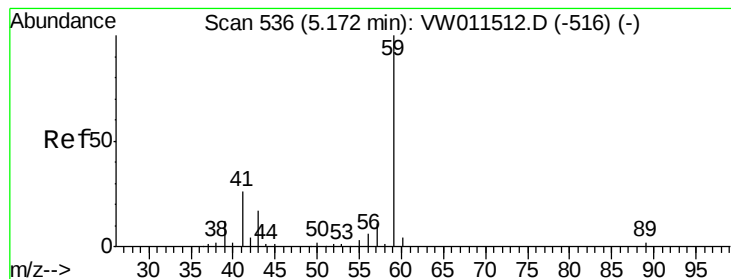
127 44.3 35.0 52.6

141 14.8 11.9 17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



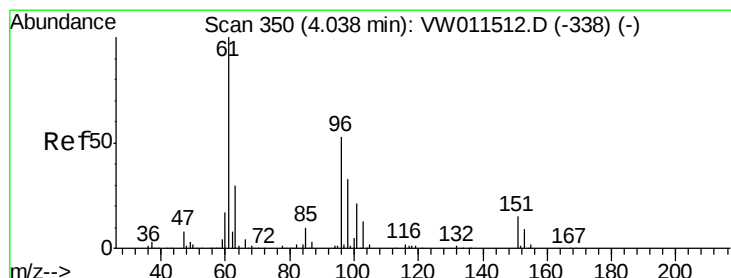
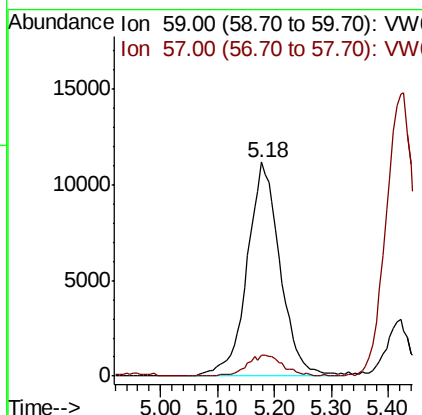
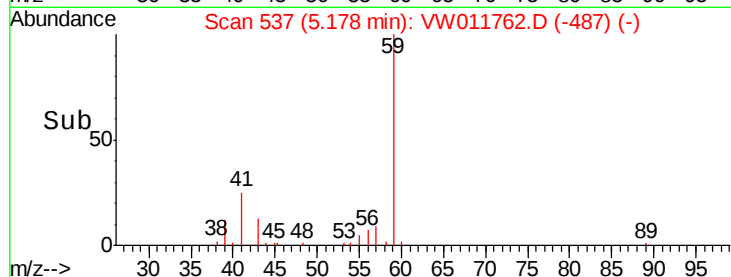
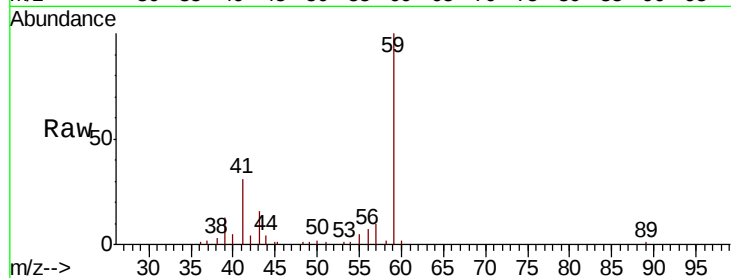


#11

Tert butyl alcohol
 Concen: 226.162 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

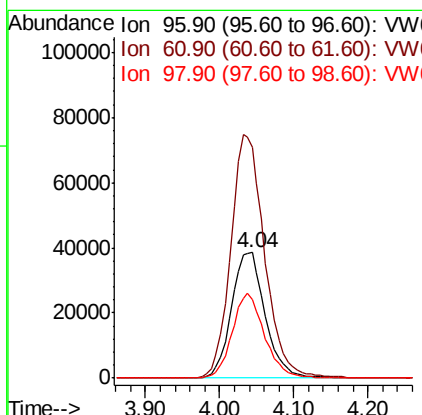
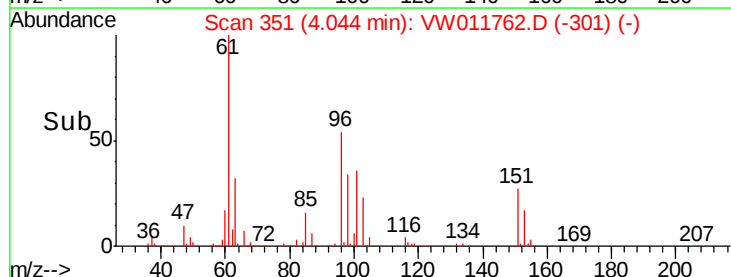
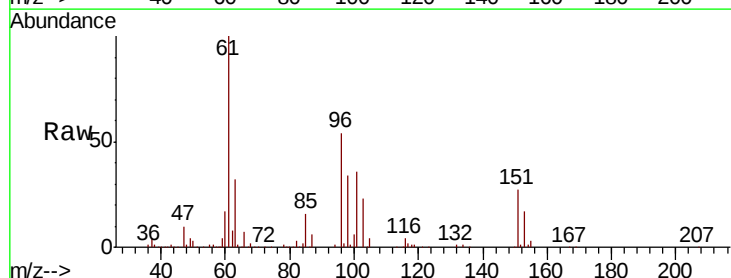
Tgt Ion: 59 Resp: 44929
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.5 12.7

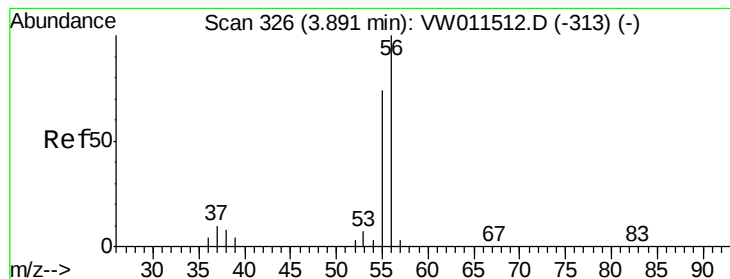


#12

1,1-Dichloroethene
 Concen: 50.703 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion: 96 Resp: 122865
 Ion Ratio Lower Upper
 96 100
 61 183.9 149.9 224.9
 98 62.5 49.1 73.7





#13

Acrolein

Concen: 207.759 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

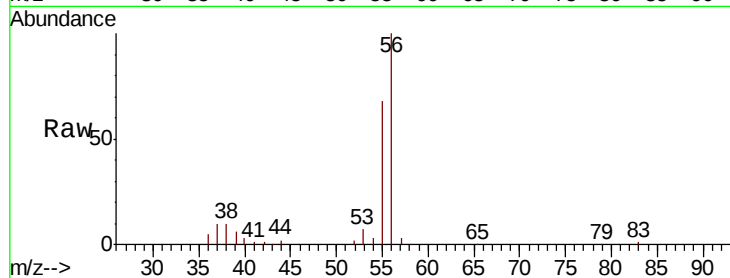
BFB

Tgt Ion: 56 Resp: 39829

Ion Ratio Lower Upper

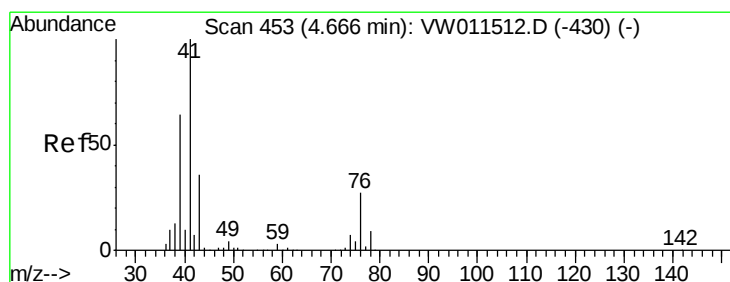
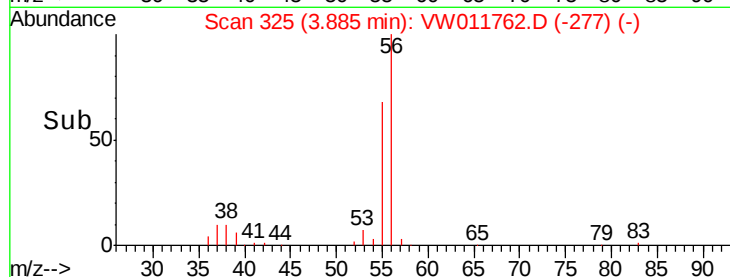
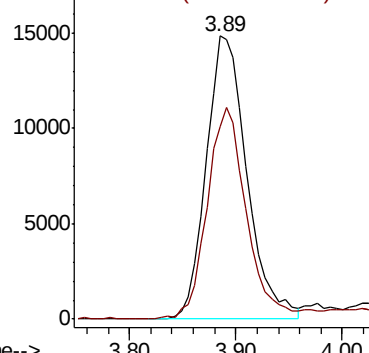
56 100

55 71.8 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 54.019 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

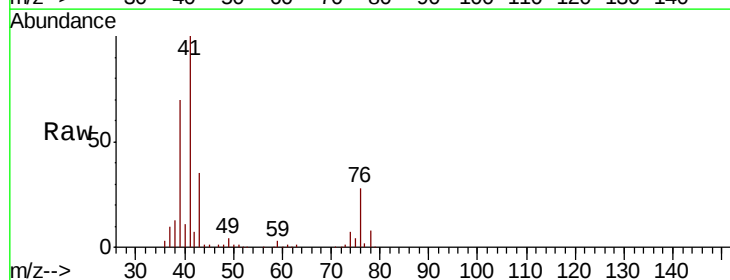
Tgt Ion: 41 Resp: 278410

Ion Ratio Lower Upper

41 100

39 67.0 52.6 78.8

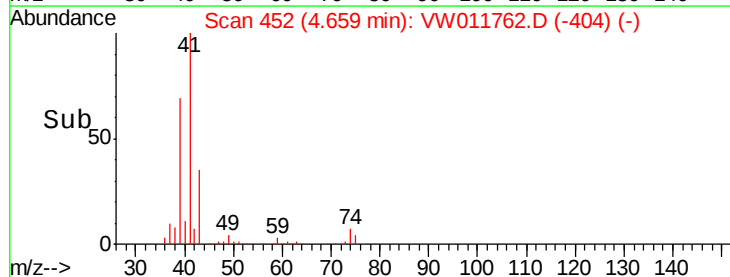
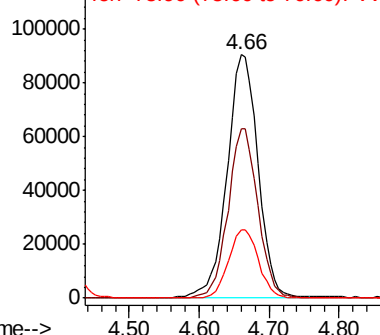
76 27.4 22.0 33.0

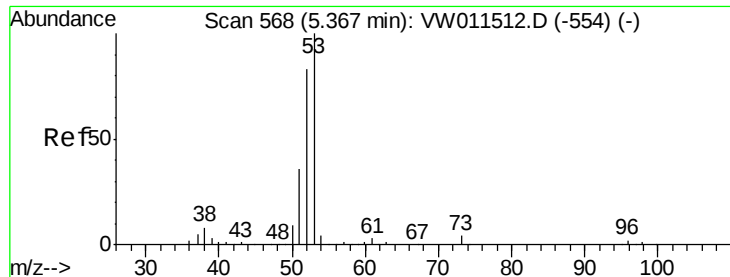


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 263.848 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

BFB

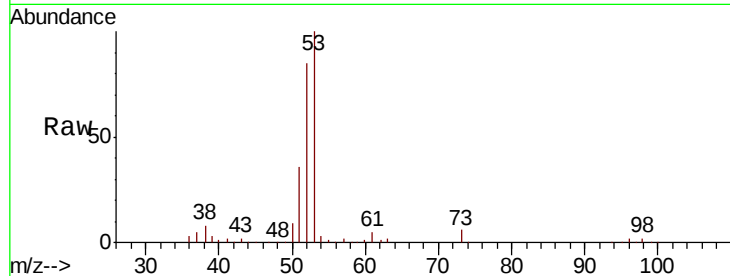
Tgt Ion: 53 Resp: 180672

Ion Ratio Lower Upper

53 100

52 83.7 67.2 100.8

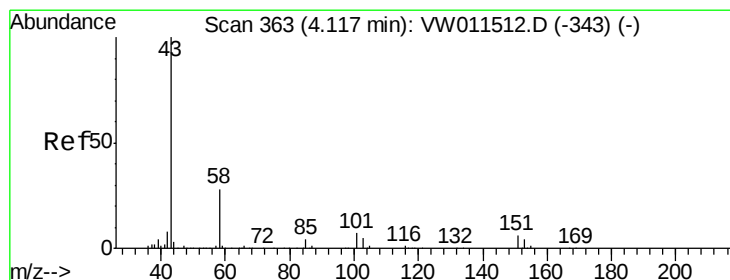
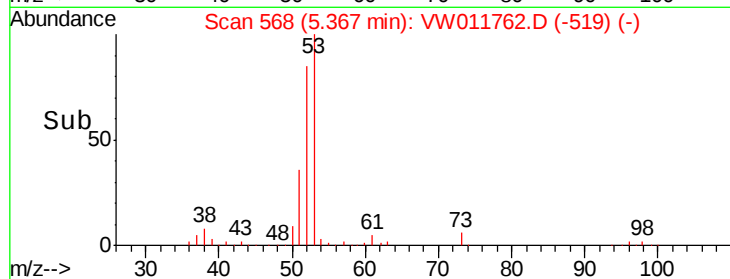
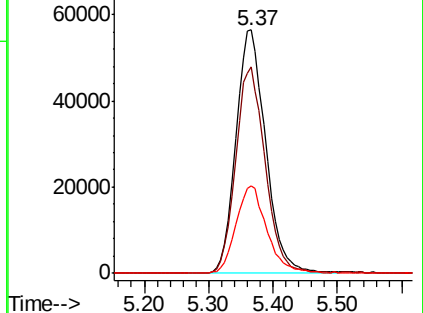
51 37.2 30.0 45.0



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 198.408 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011762.D

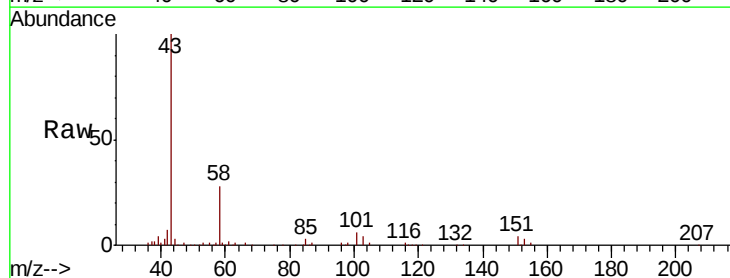
Acq: 07 Aug 2019 19:56

Tgt Ion: 43 Resp: 168624

Ion Ratio Lower Upper

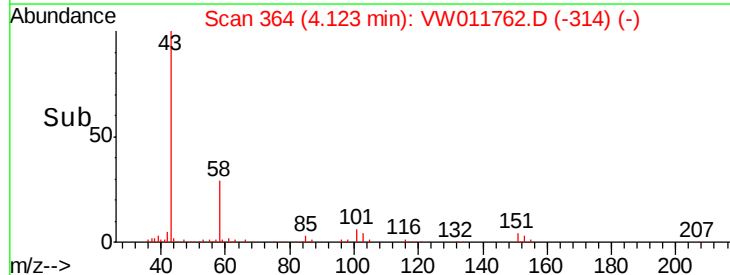
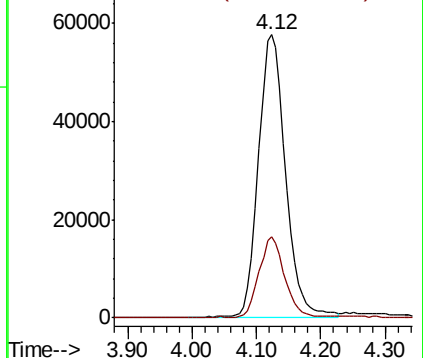
43 100

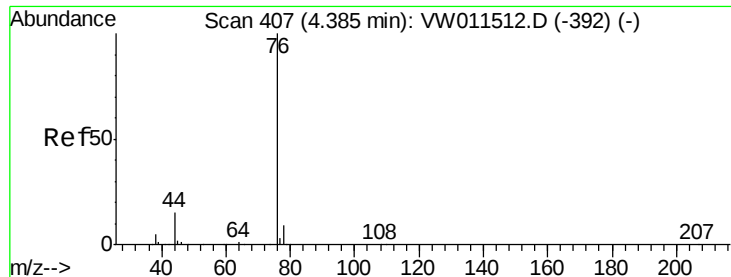
58 28.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

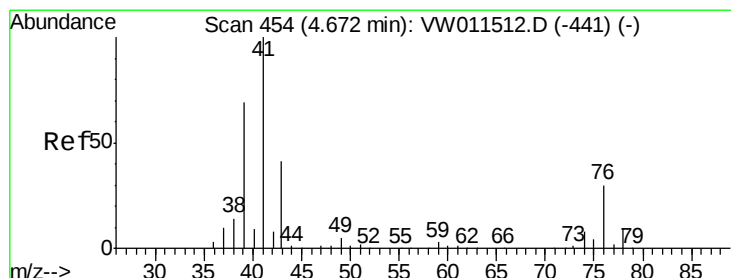
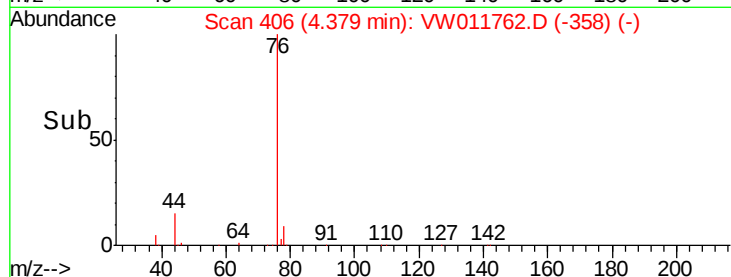
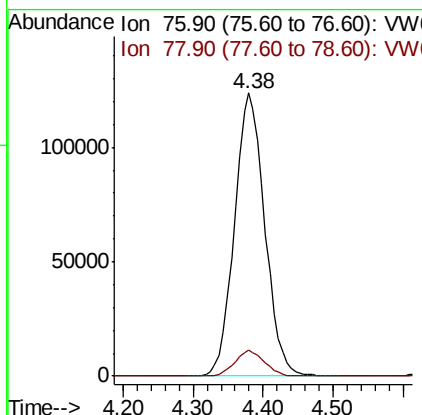
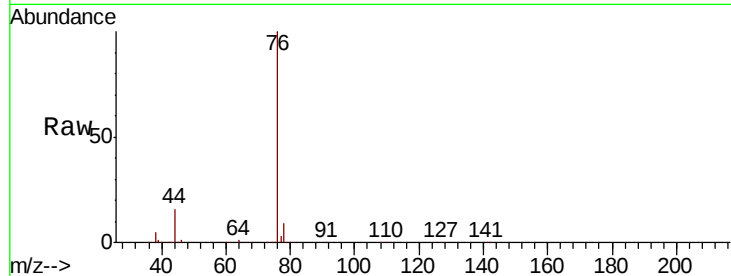




#17
Carbon Disulfide
Concen: 48.831 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

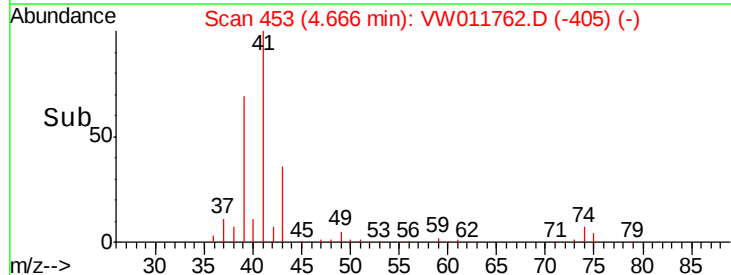
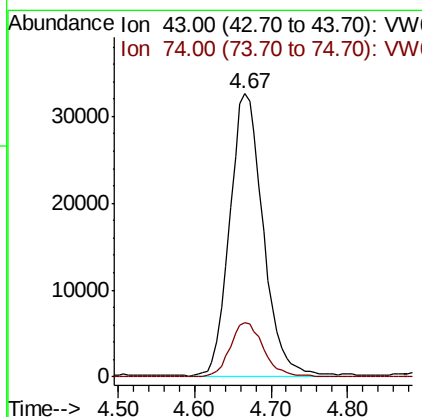
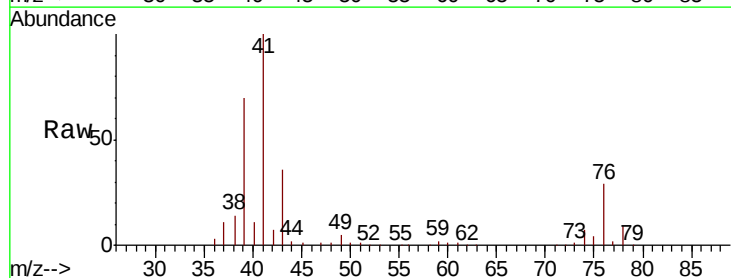
Instrument :
MSVOA_W
ClientSampled :
BFB

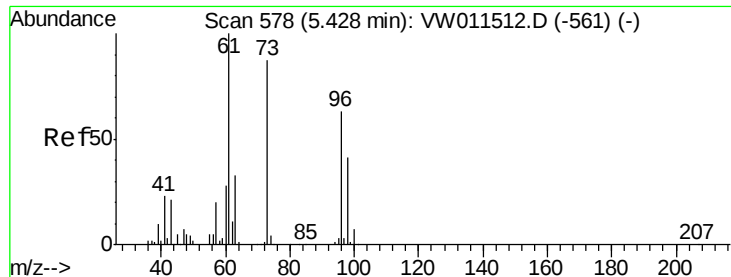
Tgt Ion: 76 Resp: 370349
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 51.374 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

Tgt Ion: 43 Resp: 98085
Ion Ratio Lower Upper
43 100
74 19.2 15.9 23.9

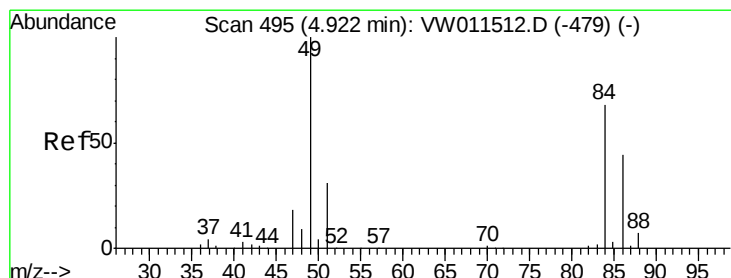
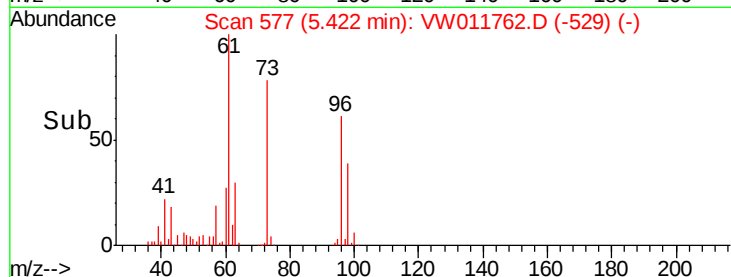
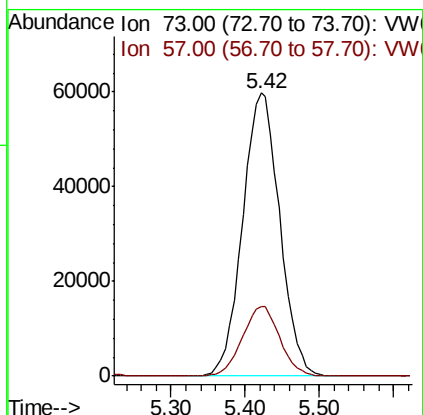
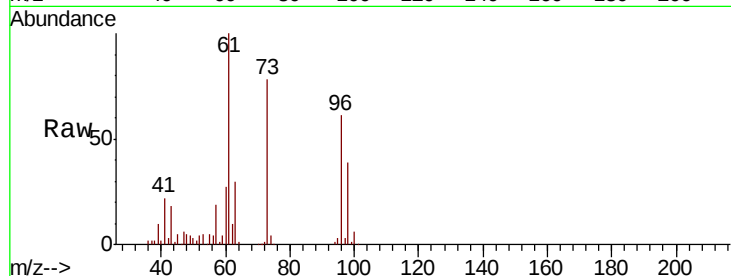




#19
Methyl tert-butyl Ether
Concen: 54.265 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

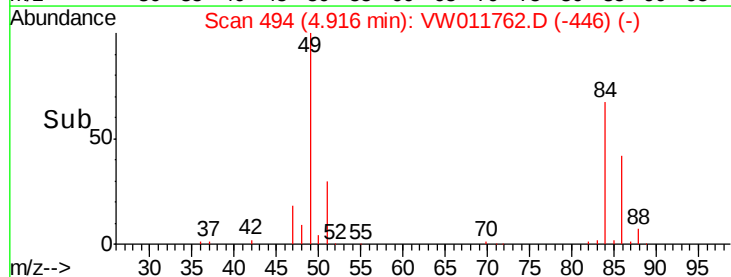
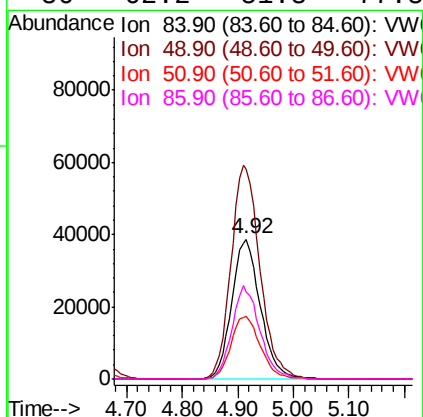
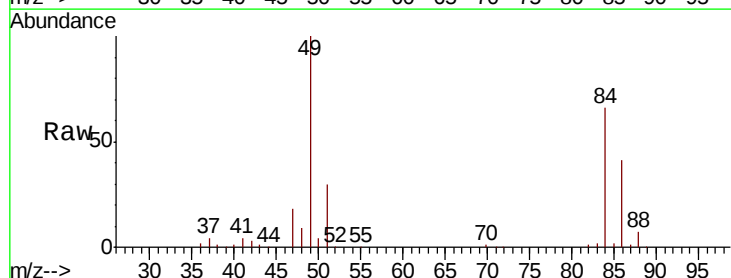
Instrument :
MSVOA_W
ClientSampleId :
BFB

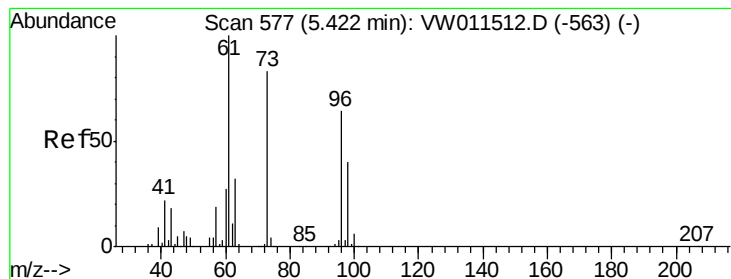
Tgt Ion: 73 Resp: 208669
Ion Ratio Lower Upper
73 100
57 24.7 18.4 27.6



#20
Methylene Chloride
Concen: 47.127 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

Tgt Ion: 84 Resp: 138134
Ion Ratio Lower Upper
84 100
49 150.6 117.8 176.6
51 45.1 37.0 55.4
86 62.2 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 53.487 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampled :

BFB

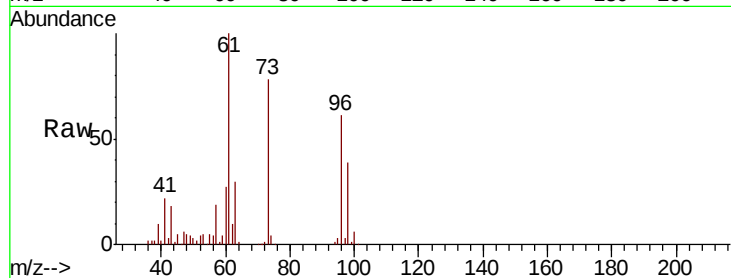
Tgt Ion: 96 Resp: 139736

Ion Ratio Lower Upper

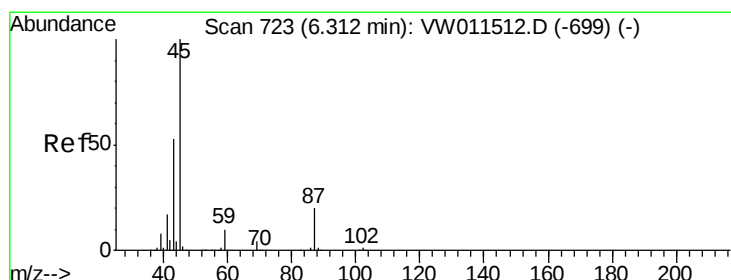
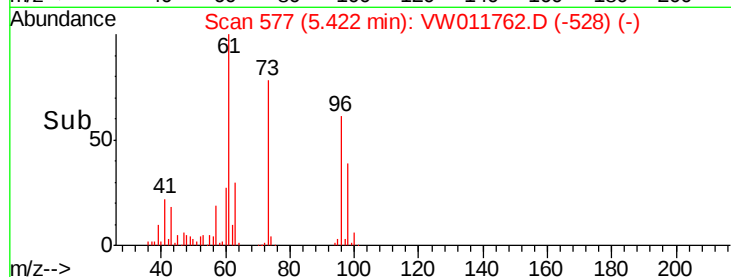
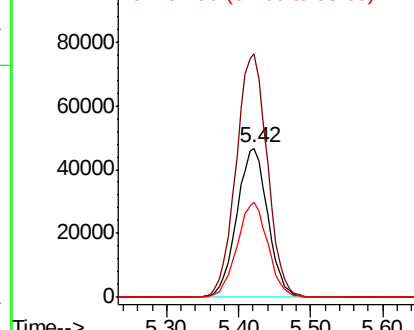
96 100

61 163.0 125.7 188.5

98 63.9 50.3 75.5



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



#22

Diisopropyl ether

Concen: 54.514 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Tgt Ion: 45 Resp: 529714

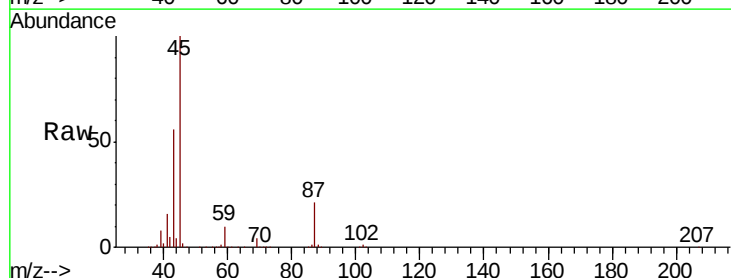
Ion Ratio Lower Upper

45 100

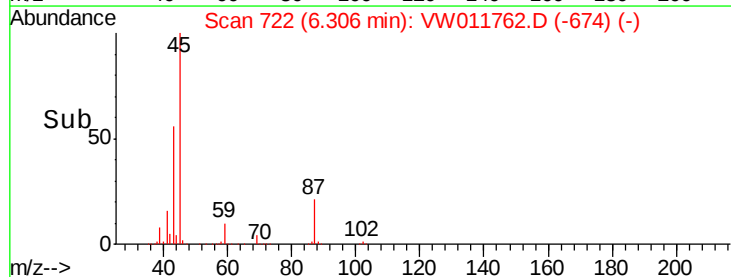
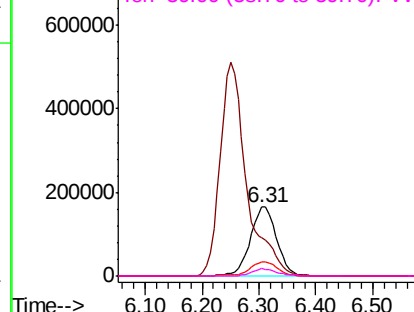
43 56.0 42.6 63.8

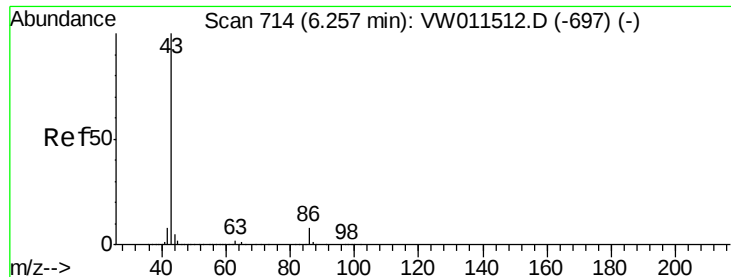
87 20.8 16.4 24.6

59 10.4 8.2 12.2



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





#23

Vinyl Acetate

Concen: 272.510 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampled :

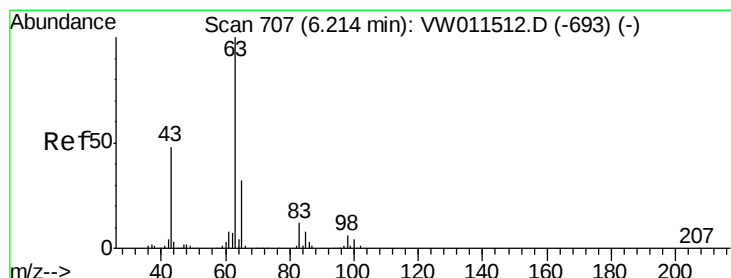
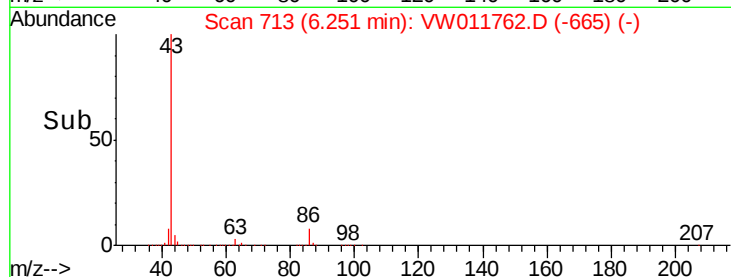
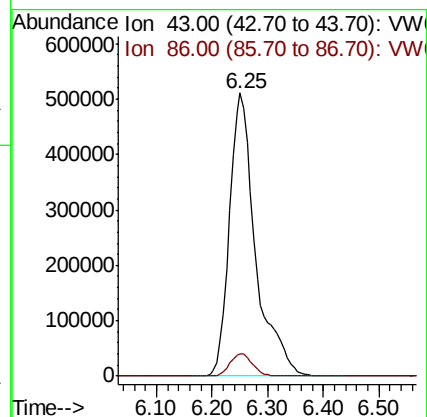
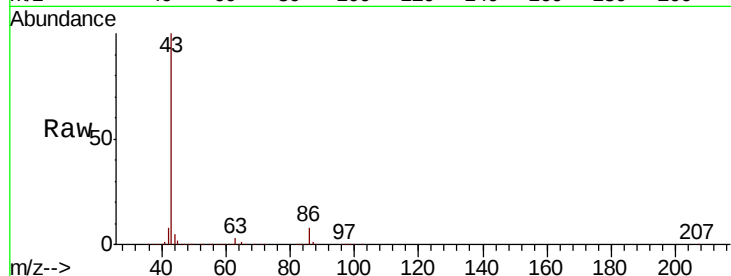
BFB

Tgt Ion: 43 Resp: 1663891

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 54.574 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

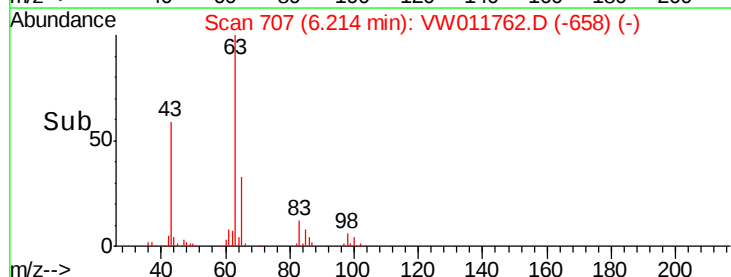
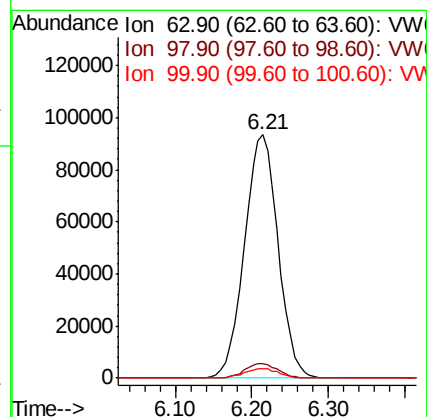
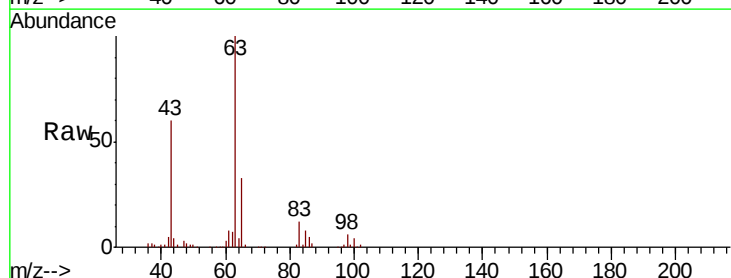
Tgt Ion: 63 Resp: 284014

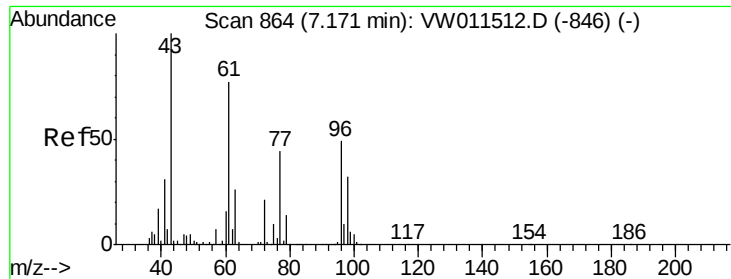
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.9 2.1 6.3





#25

2-Butanone

Concen: 233.787 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampled :

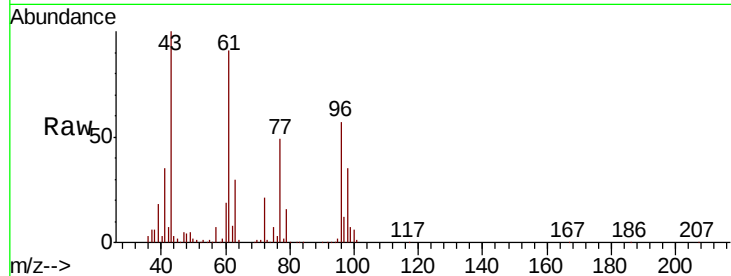
BFB

Tgt Ion: 43 Resp: 259994

Ion Ratio Lower Upper

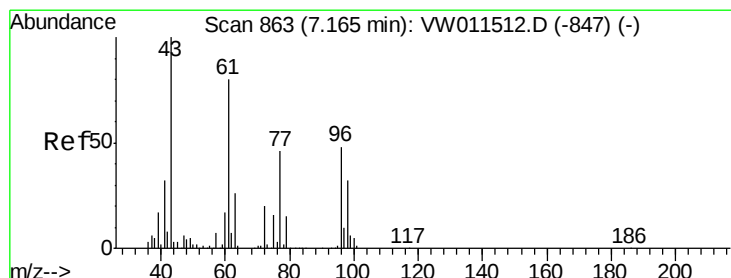
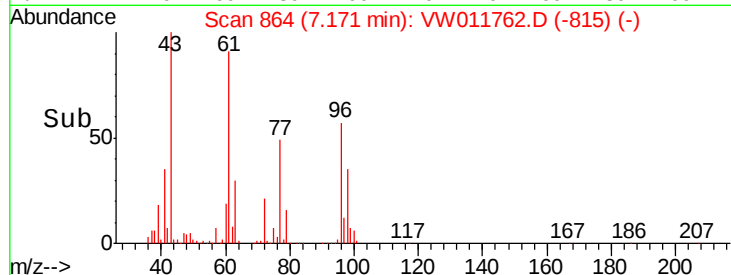
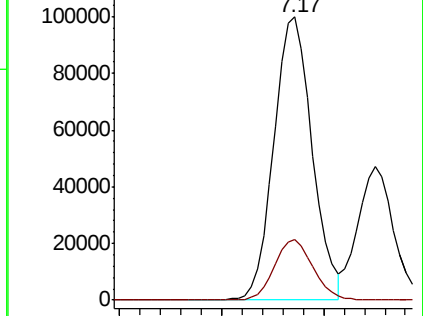
43 100

72 21.3 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 48.521 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011762.D

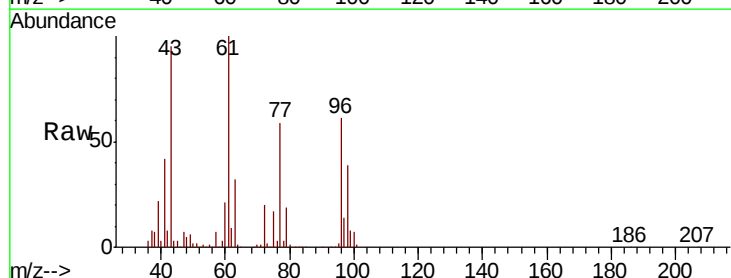
Acq: 07 Aug 2019 19:56

Tgt Ion: 77 Resp: 155291

Ion Ratio Lower Upper

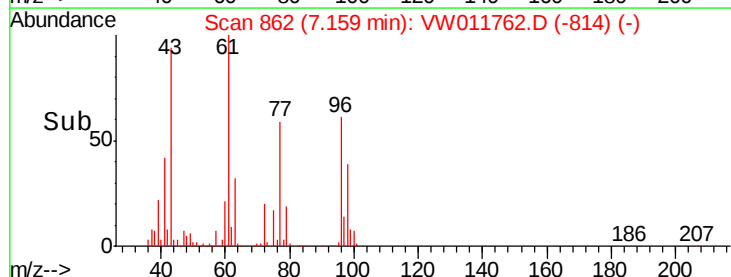
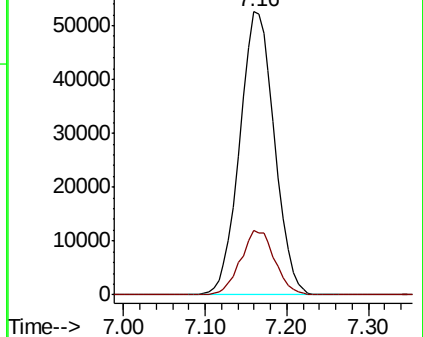
77 100

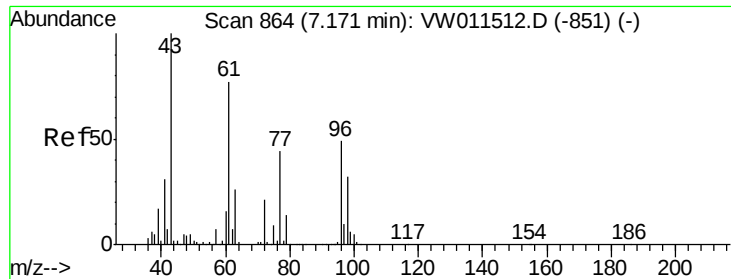
97 22.4 10.8 32.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



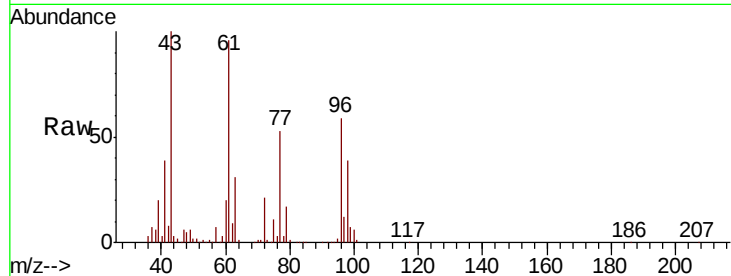


#27

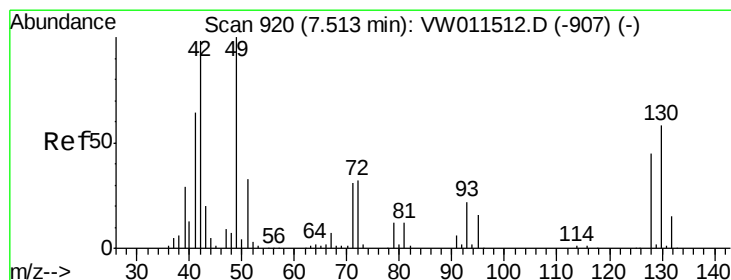
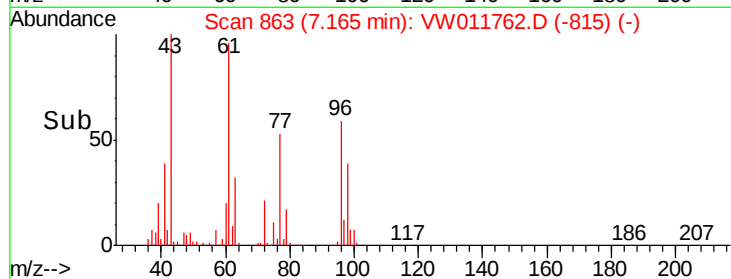
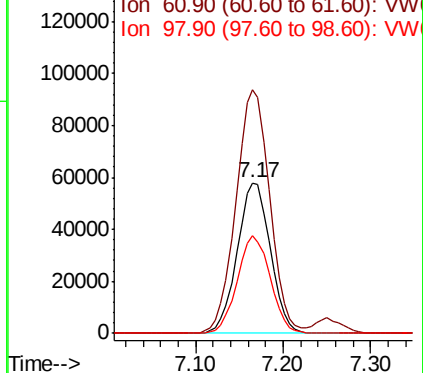
cis-1,2-Dichloroethene
 Concen: 52.994 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Instrument :
 MSVOA_W
 ClientSampleID :
 BFB

Tgt Ion: 96 Resp: 152374
 Ion Ratio Lower Upper
 96 100
 61 165.4 0.0 328.4
 98 64.6 0.0 128.8



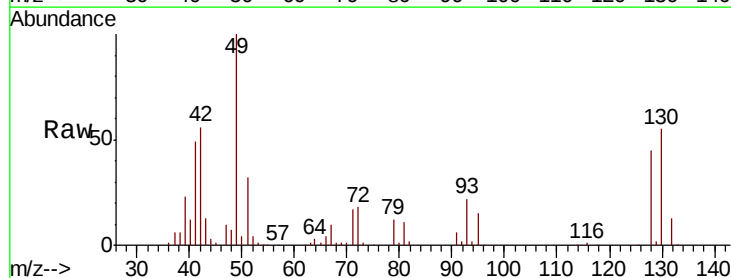
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



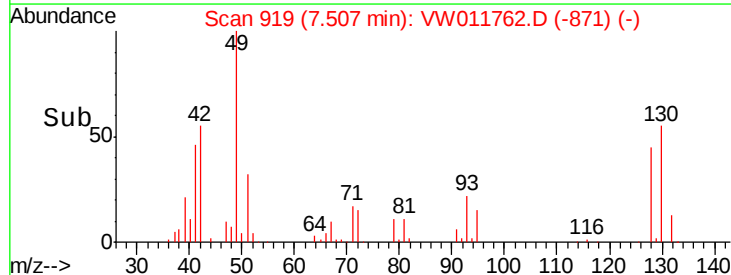
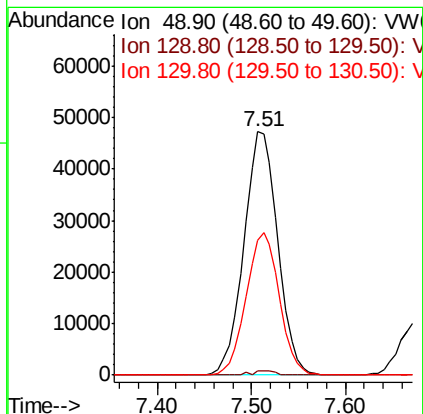
#28

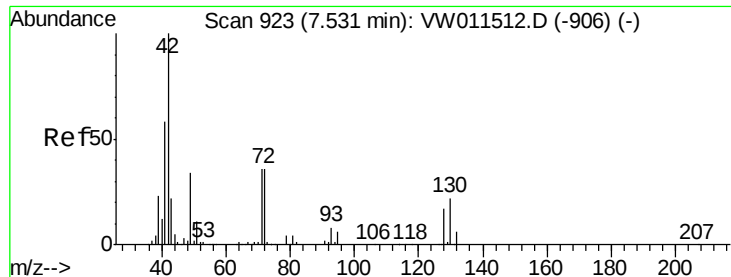
Bromochloromethane
 Concen: 51.171 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion: 49 Resp: 118201
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 1.0#
 130 57.5 46.3 69.5



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

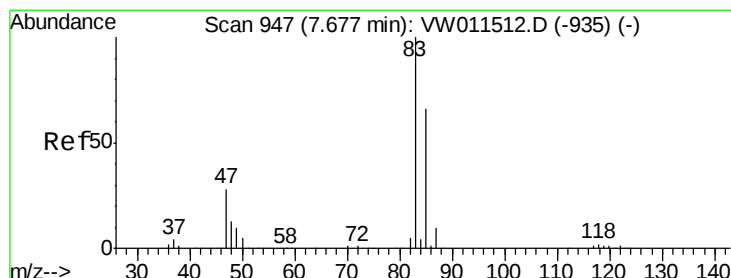
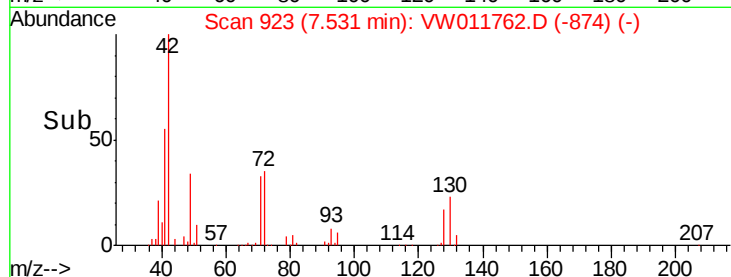
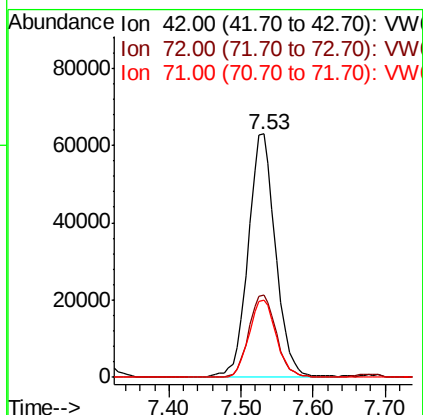
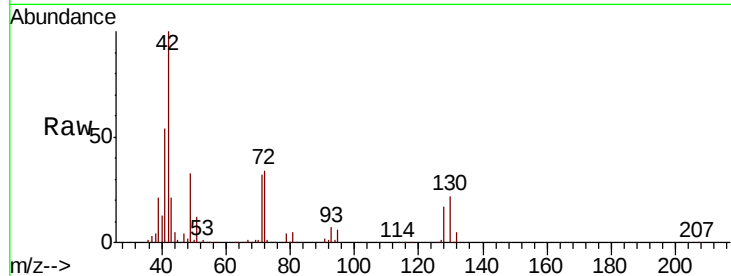




#29
Tetrahydrofuran
Concen: 260.263 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

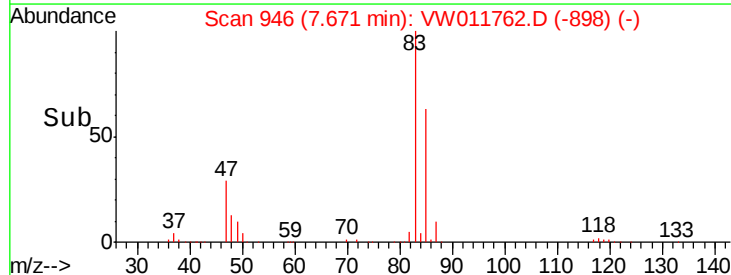
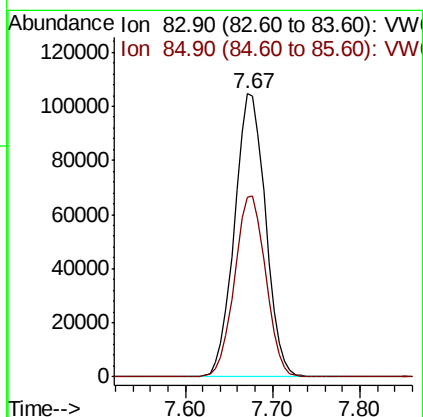
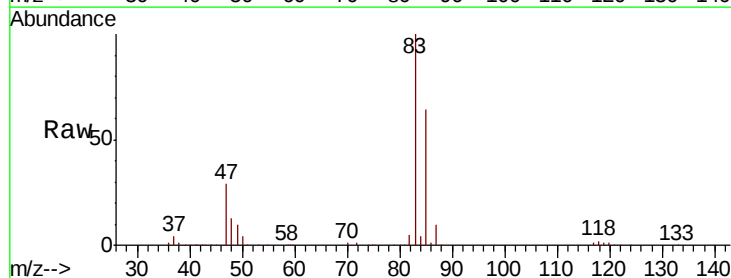
Instrument :
MSVOA_W
ClientSampleId :
BFB

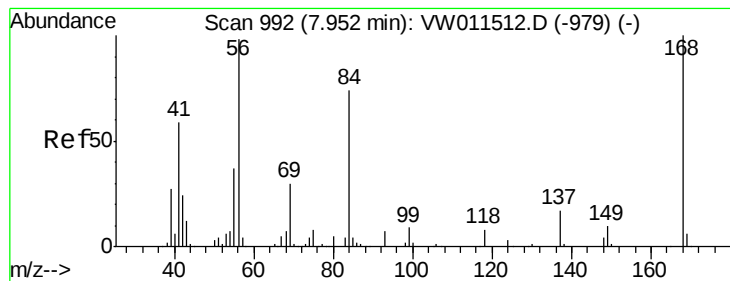
Tgt Ion: 42 Resp: 165445
Ion Ratio Lower Upper
42 100
72 34.1 27.1 40.7
71 31.7 26.2 39.4



#30
Chloroform
Concen: 53.817 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

Tgt Ion: 83 Resp: 258384
Ion Ratio Lower Upper
83 100
85 63.5 52.5 78.7





#31

Cyclohexane

Concen: 51.183 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampled :

BFB

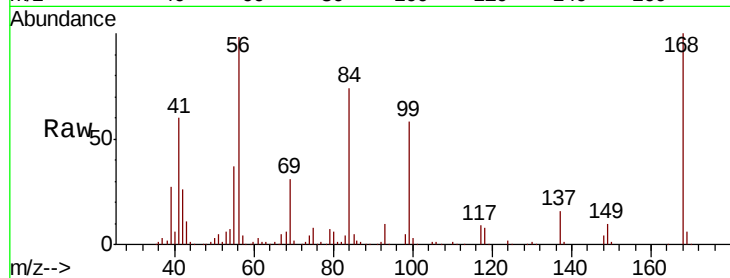
Tgt Ion: 56 Resp: 255687

Ion Ratio Lower Upper

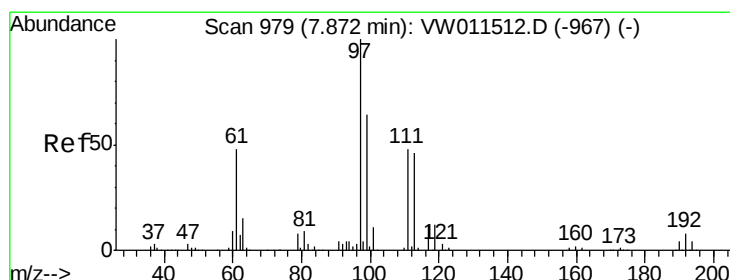
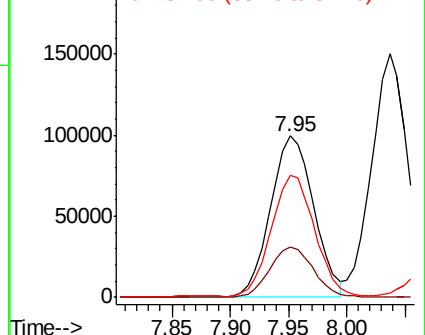
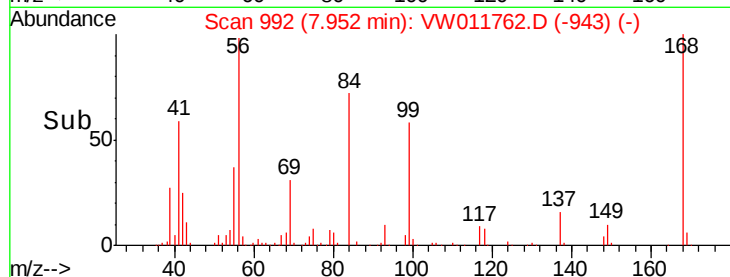
56 100

69 31.4 24.3 36.5

84 74.7 60.4 90.6



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



#32

1,1,1-Trichloroethane

Concen: 55.658 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

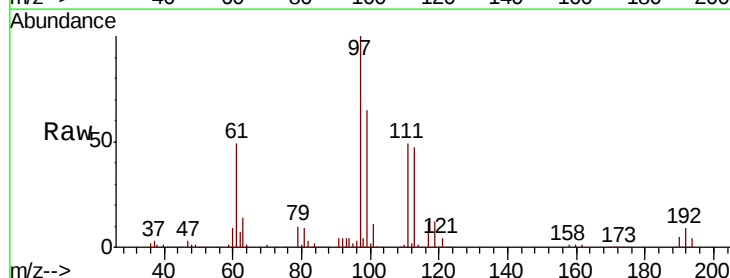
Tgt Ion: 97 Resp: 203509

Ion Ratio Lower Upper

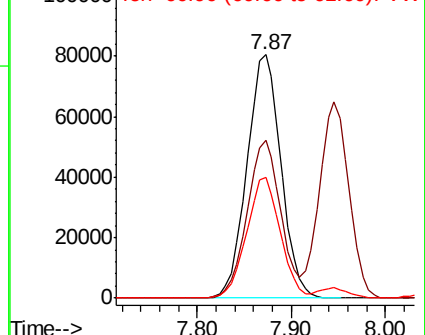
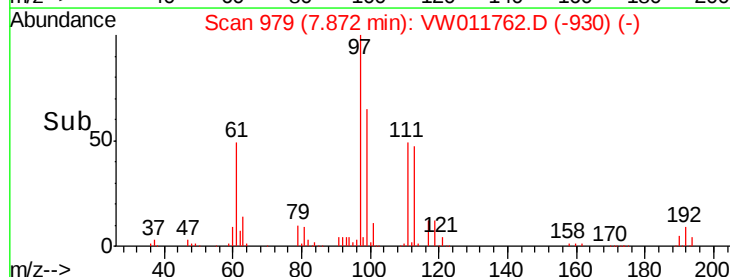
97 100

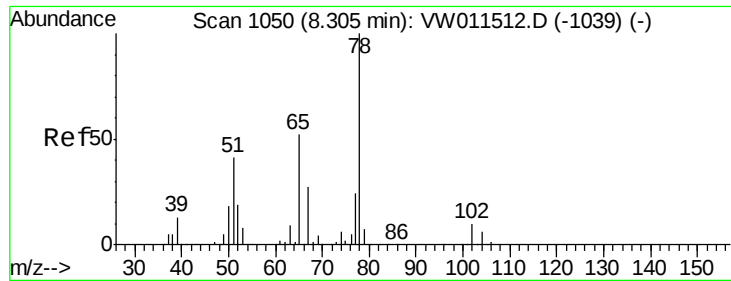
99 64.1 51.0 76.6

61 49.2 39.8 59.6



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: 54.076 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampled :

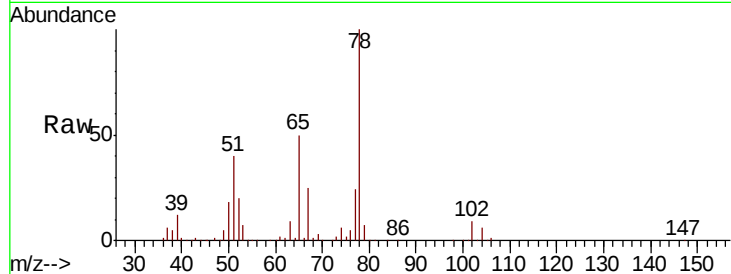
BFB

Tgt Ion: 65 Resp: 144478

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

60000

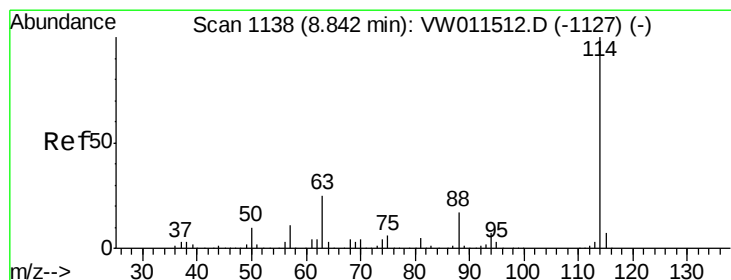
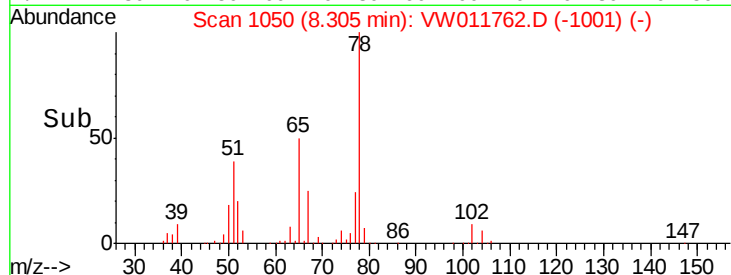
40000

20000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

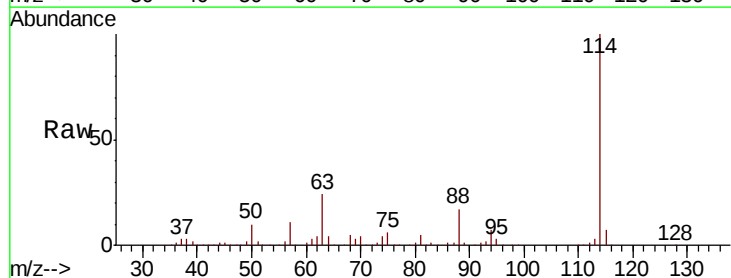
Tgt Ion: 114 Resp: 375006

Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

88 17.2 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

250000

200000

150000

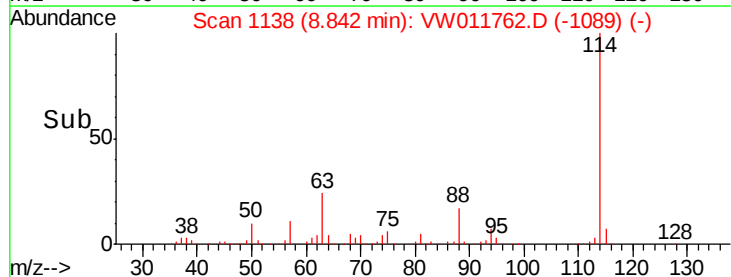
100000

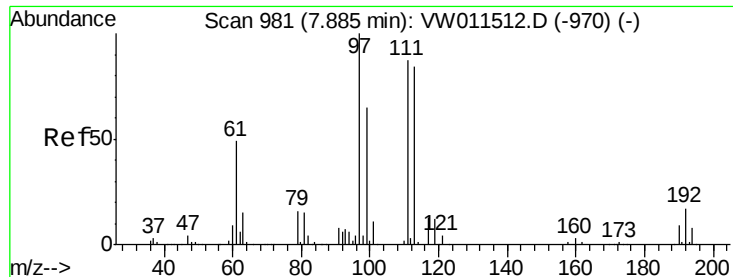
50000

0

8.70 8.80 8.90 9.00

Time-->

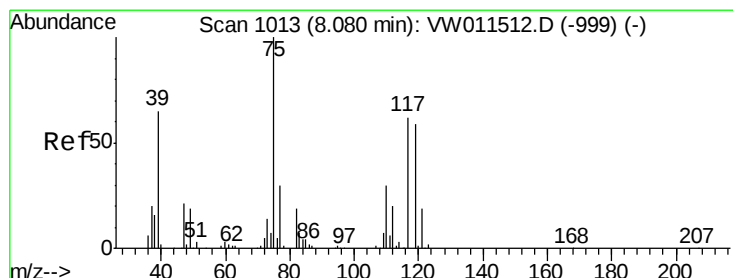
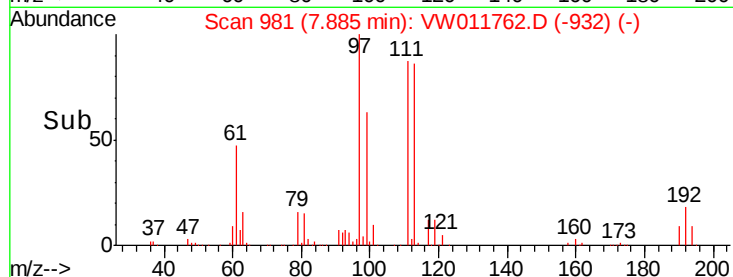
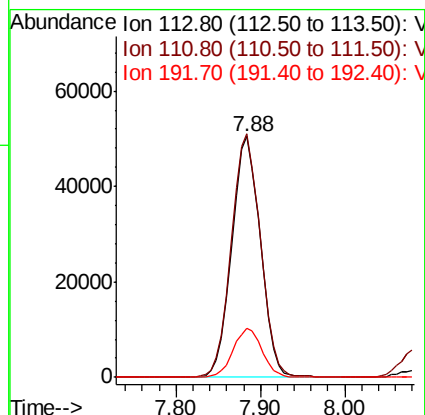
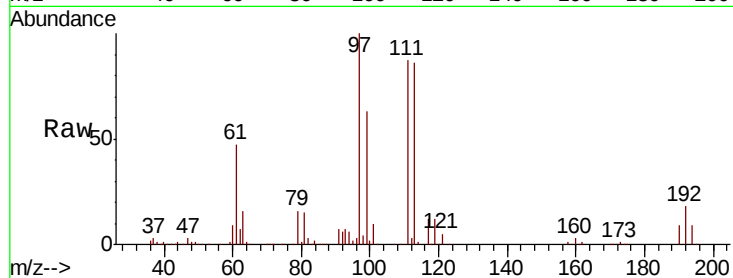




#35
 Dibromofluoromethane
 Concen: 55.254 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

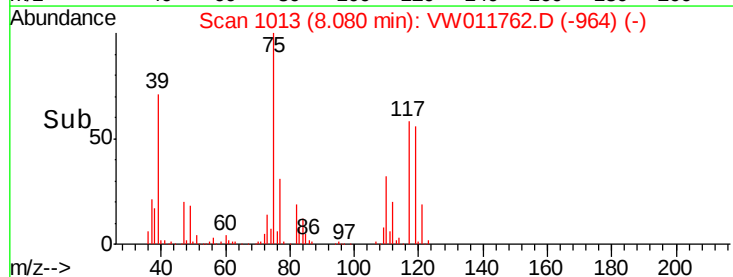
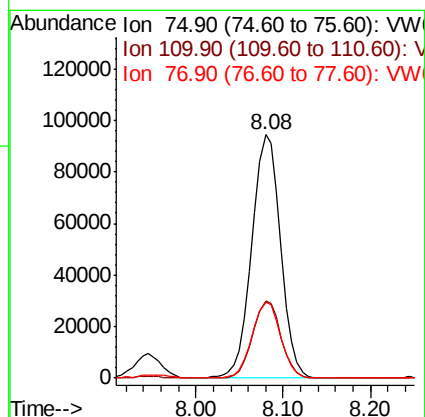
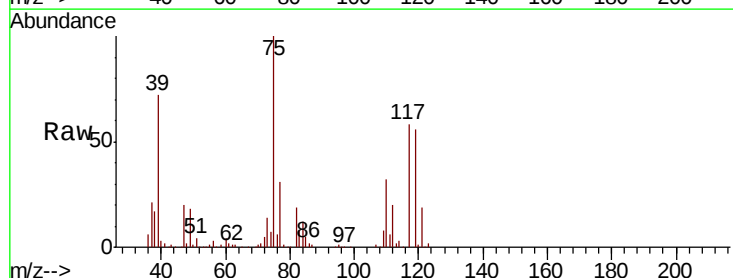
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

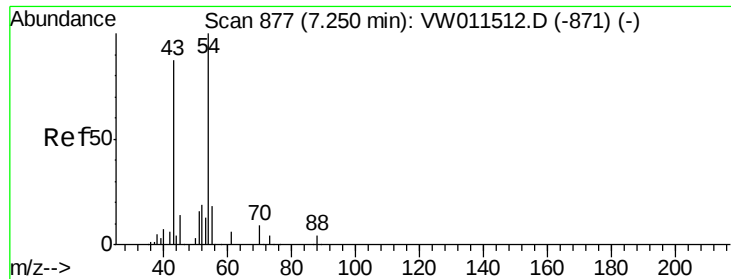
Tgt Ion:113 Resp: 116247
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 20.5 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 55.239 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion: 75 Resp: 215397
 Ion Ratio Lower Upper
 75 100
 110 31.2 15.6 46.8
 77 31.3 24.3 36.5

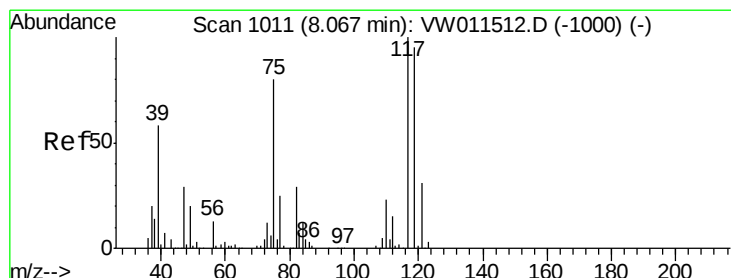
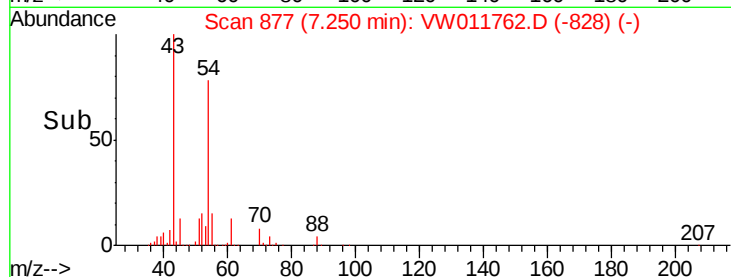
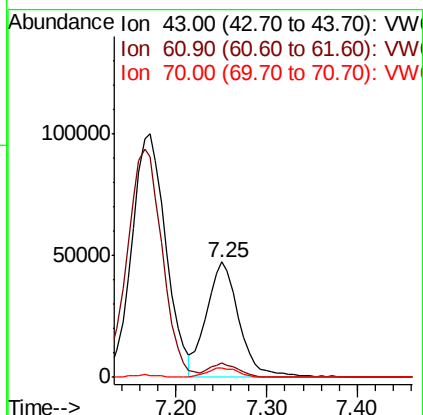
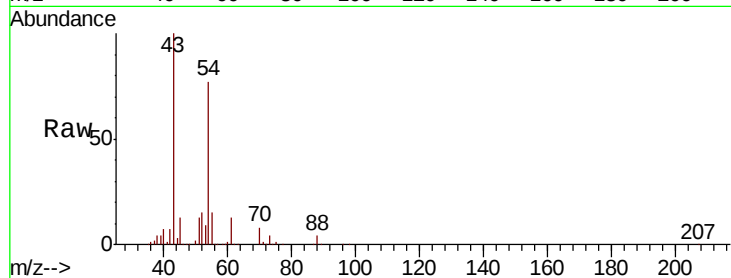




#37
Ethyl Acetate
Concen: 52.910 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

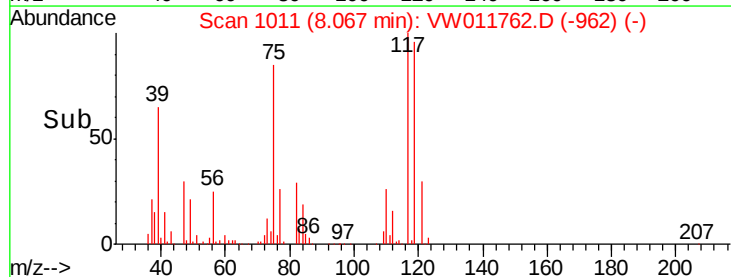
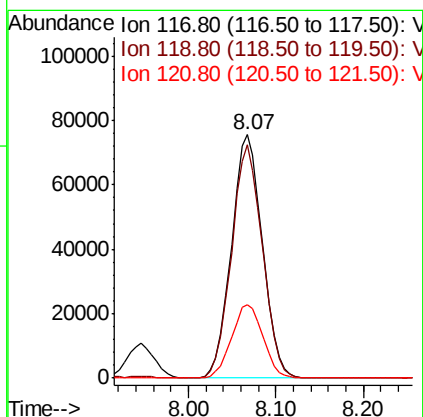
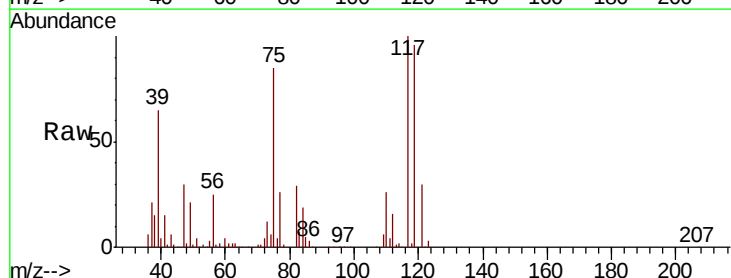
Instrument :
MSVOA_W
ClientSampled :
BFB

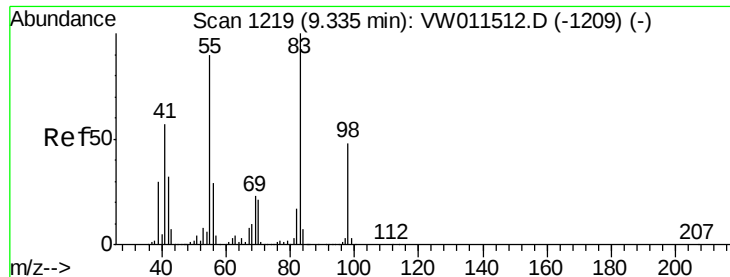
Tgt Ion: 43 Resp: 118700
Ion Ratio Lower Upper
43 100
61 11.0 8.8 13.2
70 8.4 7.1 10.7



#38
Carbon Tetrachloride
Concen: 55.562 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

Tgt Ion: 117 Resp: 185473
Ion Ratio Lower Upper
117 100
119 95.9 75.8 113.6
121 30.0 24.7 37.1

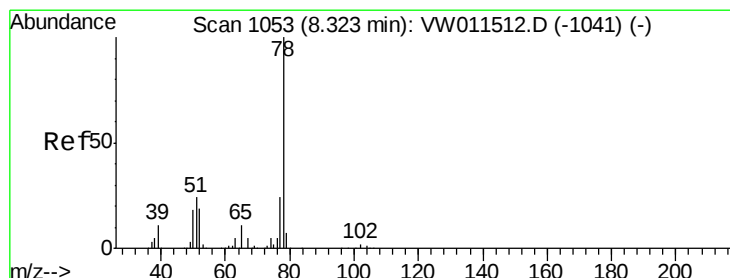
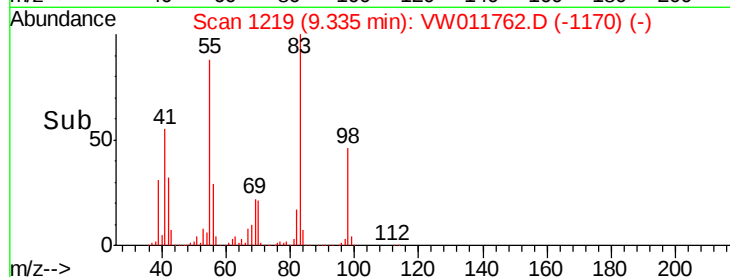
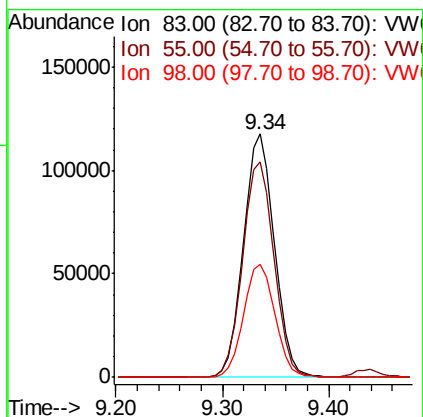
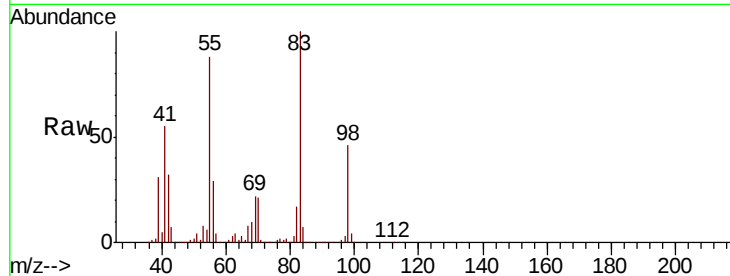




#39
Methylcyclohexane
Concen: 56.192 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

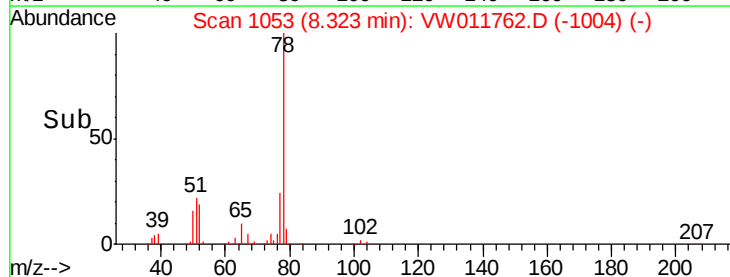
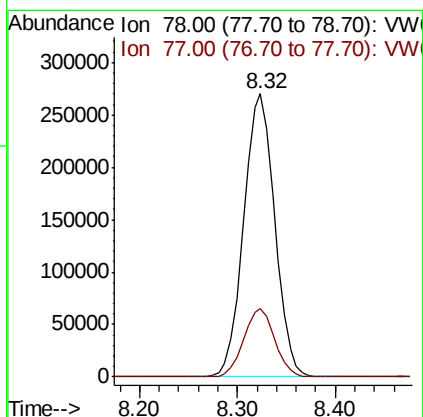
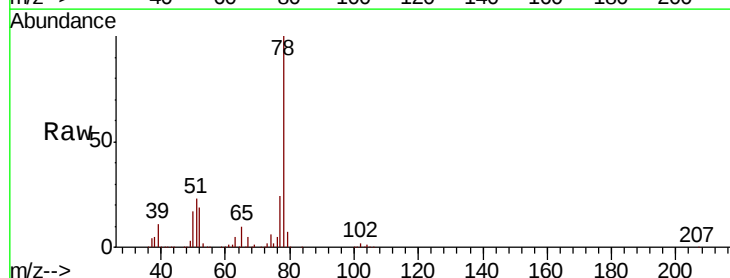
Instrument :
MSVOA_W
ClientSampled :
BFB

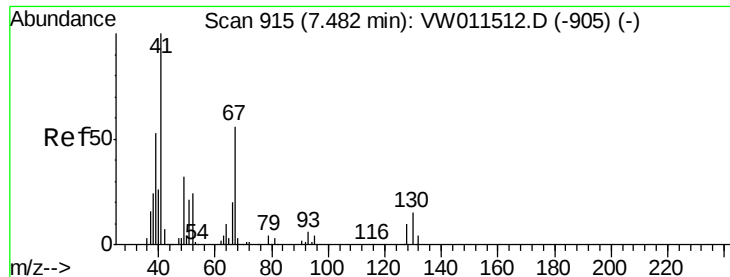
Tgt Ion: 83 Resp: 241271
Ion Ratio Lower Upper
83 100
55 88.4 72.1 108.1
98 46.4 38.6 57.8



#40
Benzene
Concen: 54.372 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

Tgt Ion: 78 Resp: 593876
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.0





#41

Methacrylonitrile

Concen: 53.020 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

BFB

Tgt Ion: 41 Resp: 71103

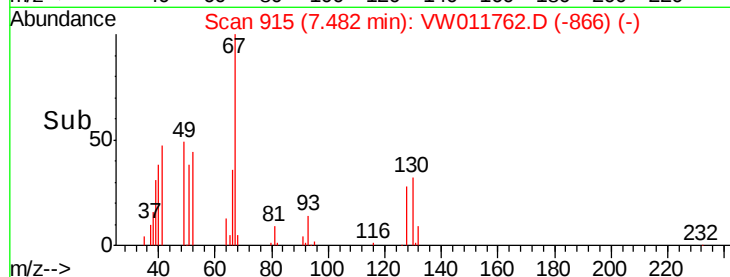
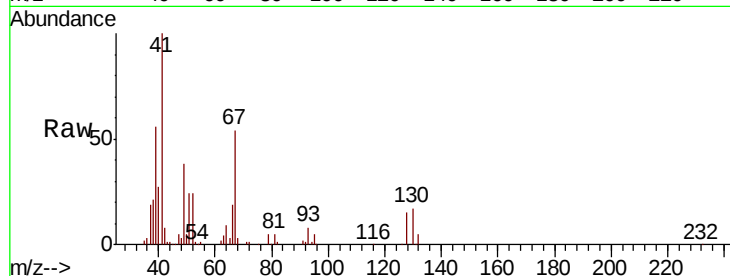
Ion Ratio Lower Upper

41 100

39 58.9 43.0 64.4

67 56.3 47.5 71.3

52 26.1 21.0 31.6

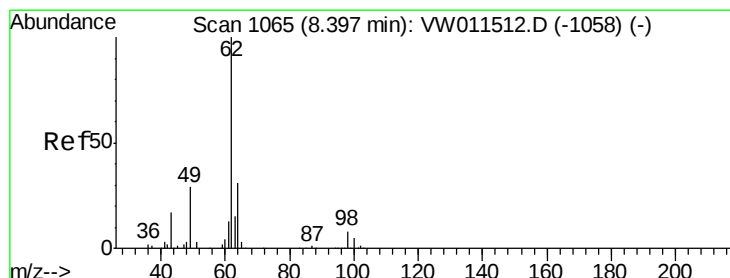
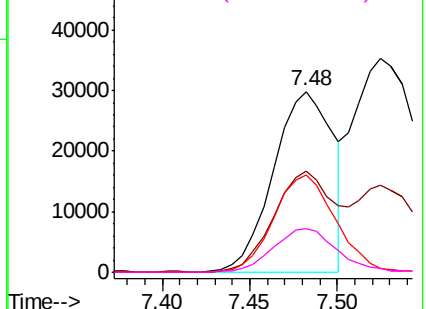


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 54.871 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW011762.D

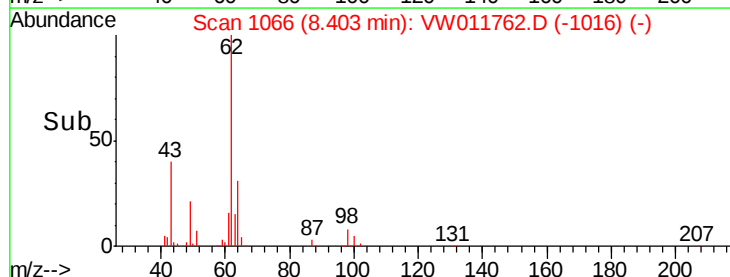
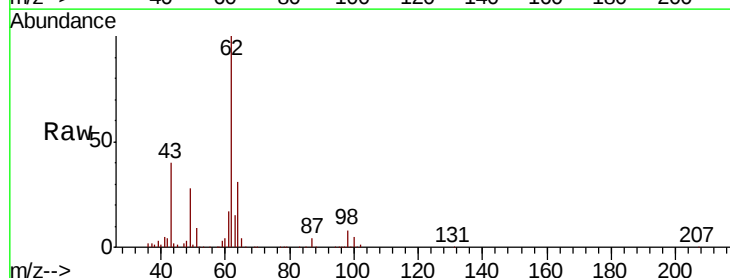
Acq: 07 Aug 2019 19:56

Tgt Ion: 62 Resp: 187640

Ion Ratio Lower Upper

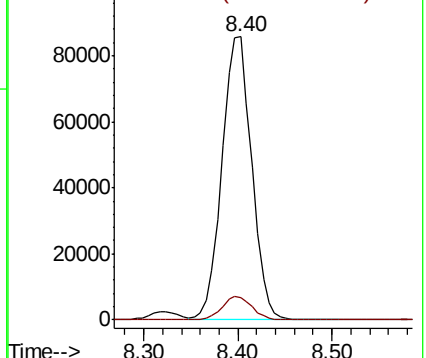
62 100

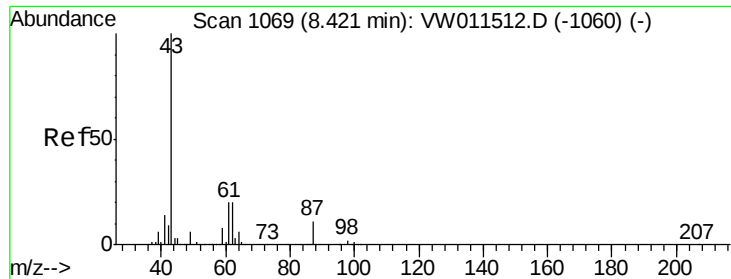
98 8.3 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 54.320 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampled :

BFB

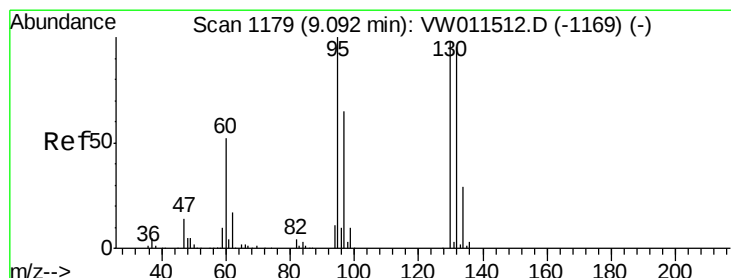
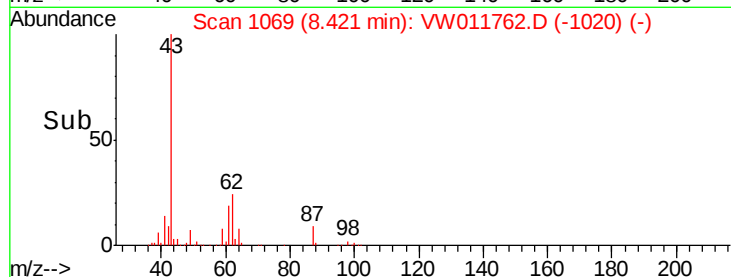
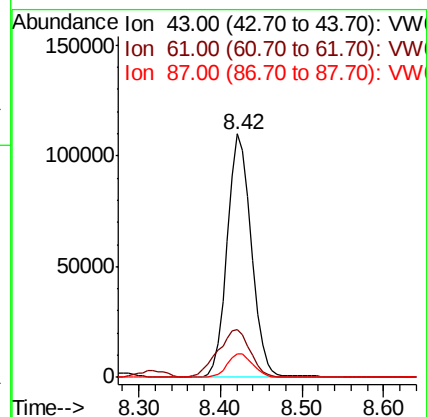
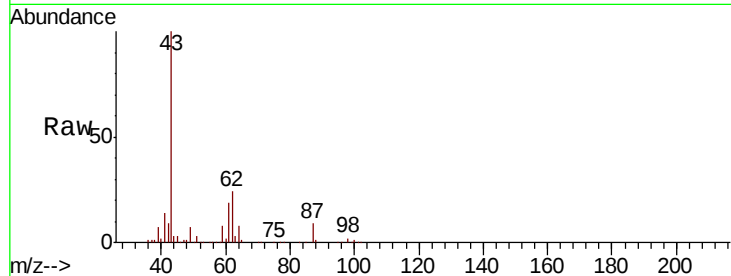
Tgt Ion: 43 Resp: 224114

Ion Ratio Lower Upper

43 100

61 26.5 21.5 32.3

87 10.2 8.4 12.6



#44

Trichloroethene

Concen: 55.260 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011762.D

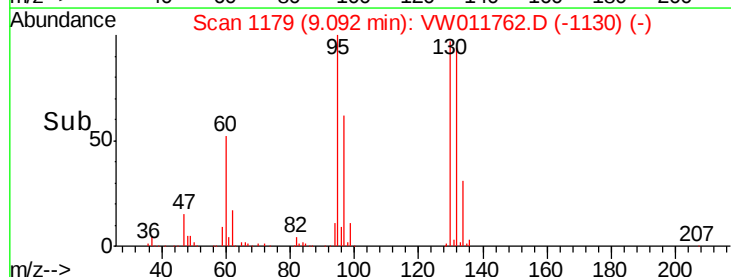
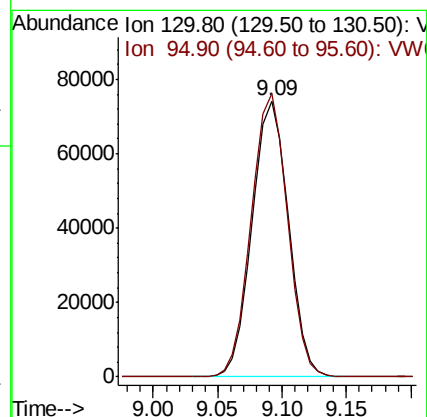
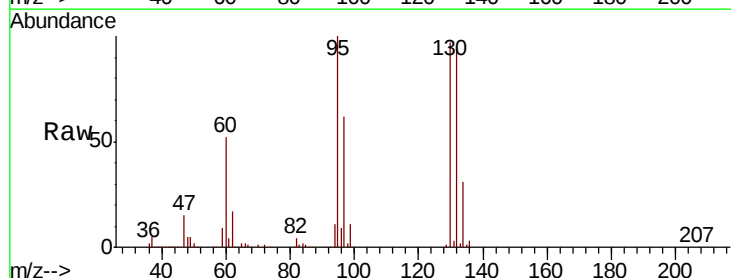
Acq: 07 Aug 2019 19:56

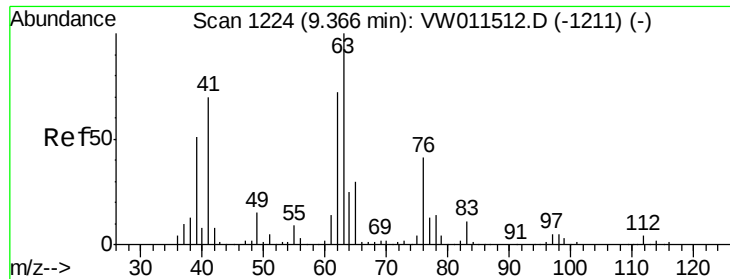
Tgt Ion: 130 Resp: 145067

Ion Ratio Lower Upper

130 100

95 102.6 0.0 204.8

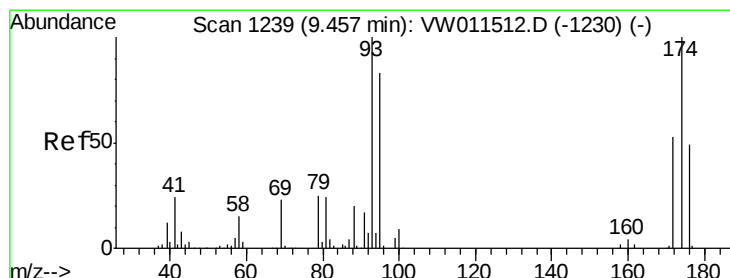
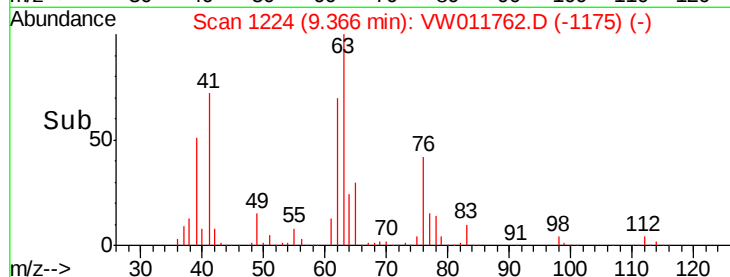
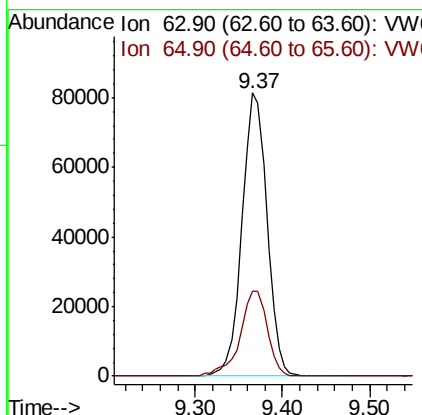
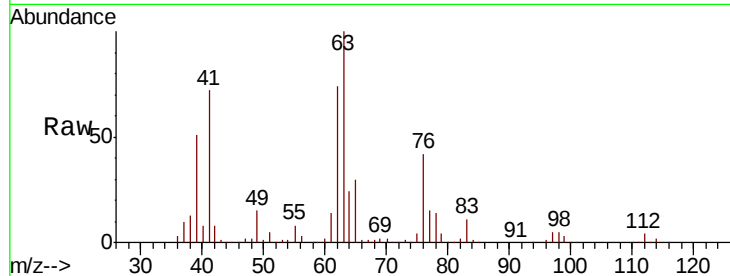




#45
 1,2-Dichloropropane
 Concen: 55.218 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

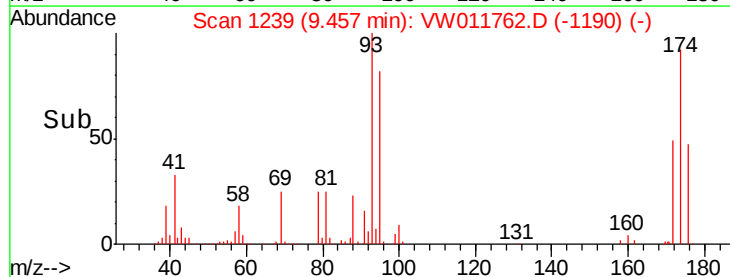
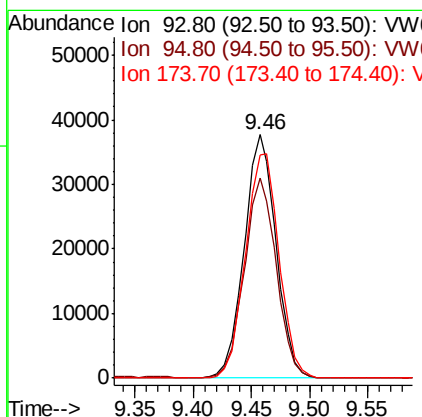
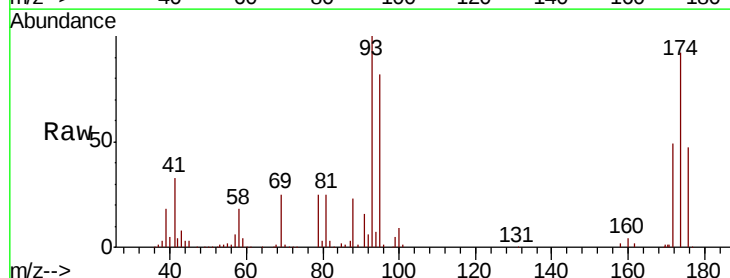
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

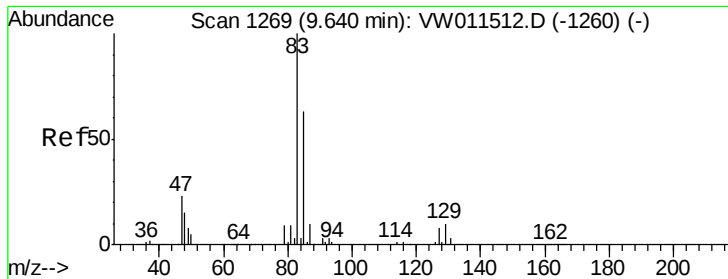
Tgt Ion: 63 Resp: 161373
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.2 36.4



#46
 Dibromomethane
 Concen: 54.037 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion: 93 Resp: 72078
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.2 99.2
 174 97.2 78.2 117.4





#47

Bromodichloromethane

Concen: 55.253 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampled :

BFB

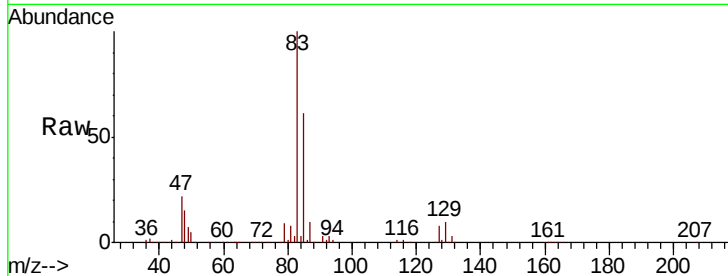
Tgt Ion: 83 Resp: 193324

Ion Ratio Lower Upper

83 100

85 61.4 50.5 75.7

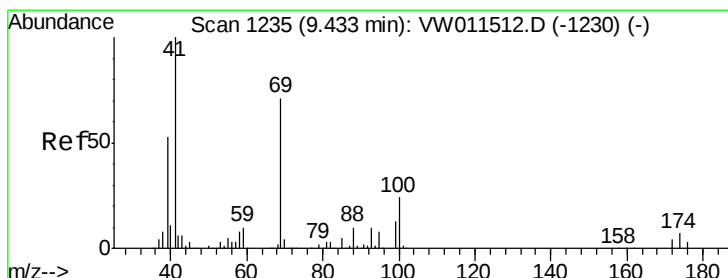
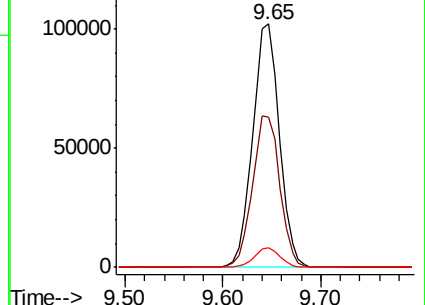
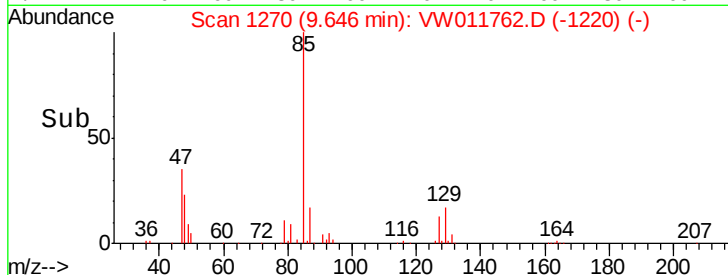
127 8.2 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 54.819 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

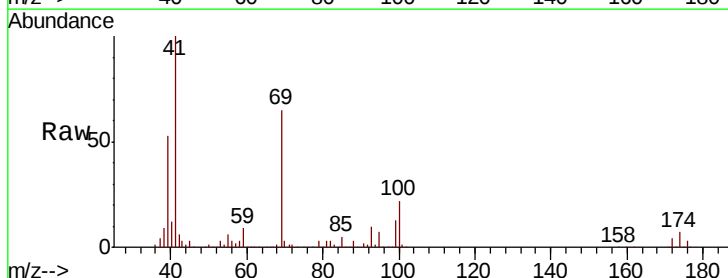
Tgt Ion: 41 Resp: 108646

Ion Ratio Lower Upper

41 100

69 70.8 57.1 85.7

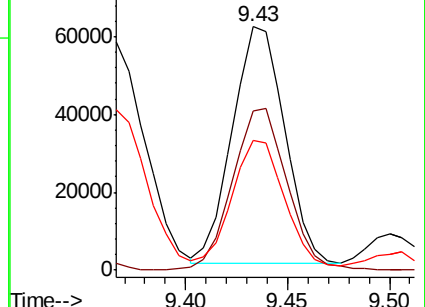
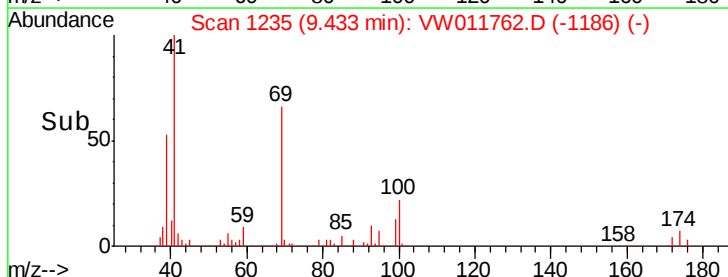
39 52.7 45.4 68.2

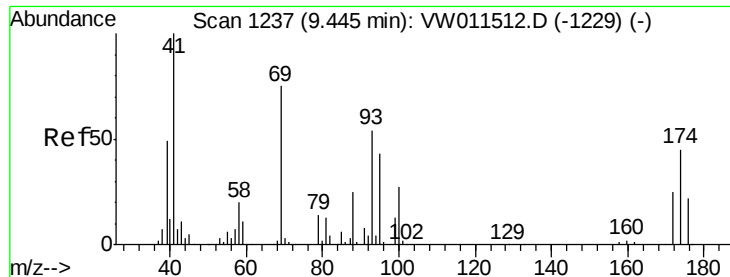


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

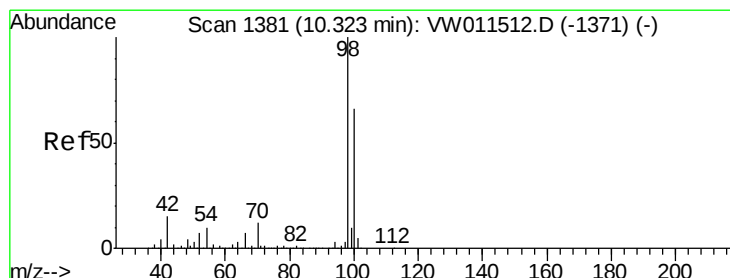
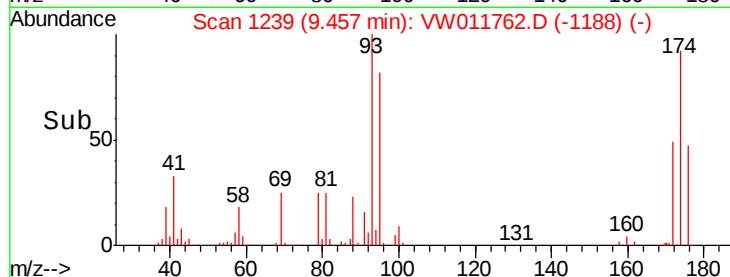
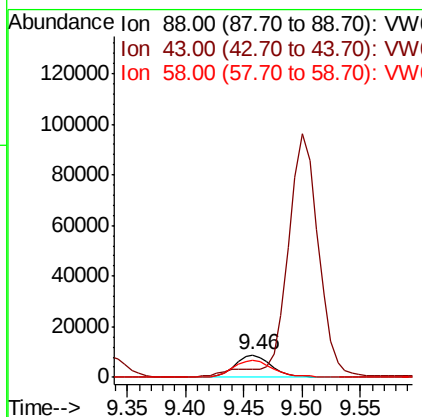
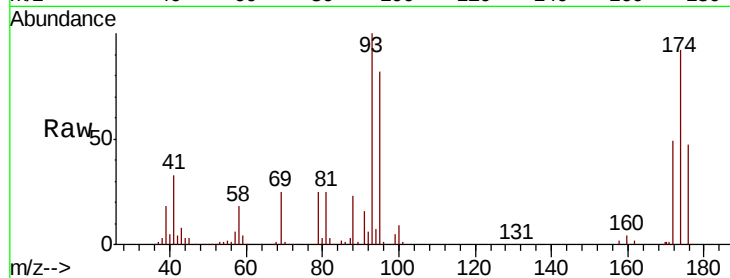




#49
 1,4-Dioxane
 Concen: 1012.605 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

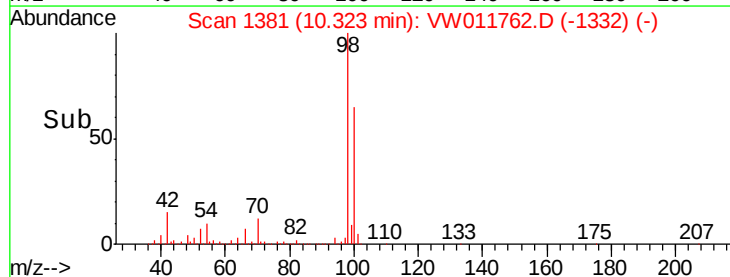
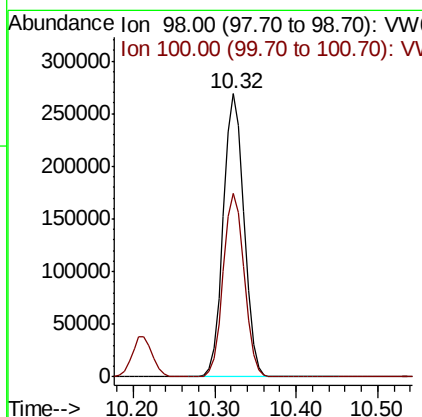
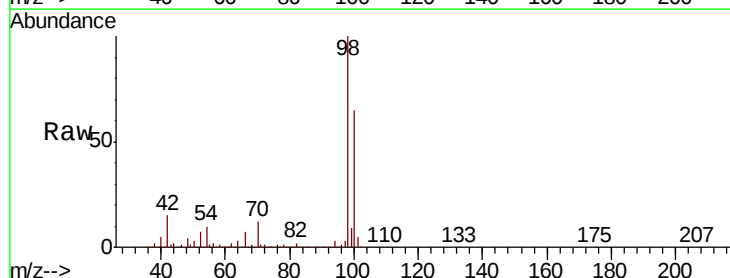
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion: 88 Resp: 19557
 Ion Ratio Lower Upper
 88 100
 43 30.3 34.0 51.0#
 58 83.5 69.7 104.5



#50
 Toluene-d8
 Concen: 54.661 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion: 98 Resp: 470835
 Ion Ratio Lower Upper
 98 100
 100 65.8 52.7 79.1

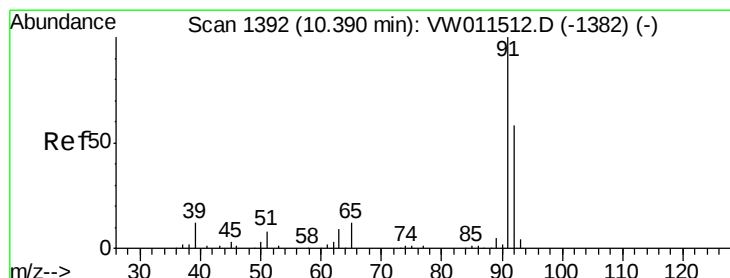
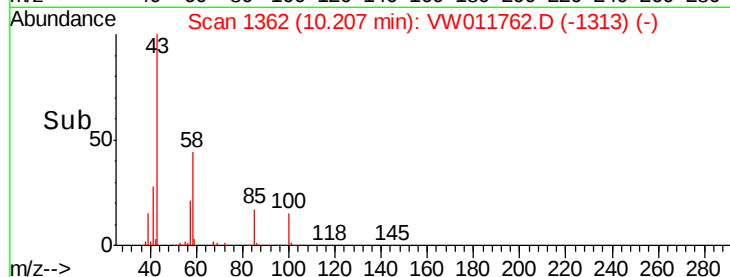
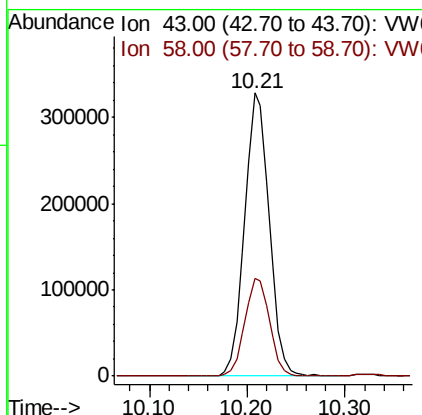
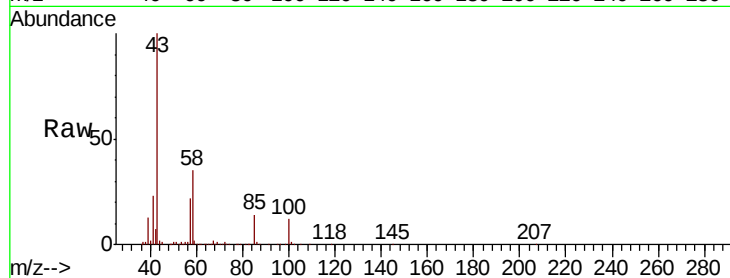




#51
 4-Methyl-2-Pentanone
 Concen: 265.723 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

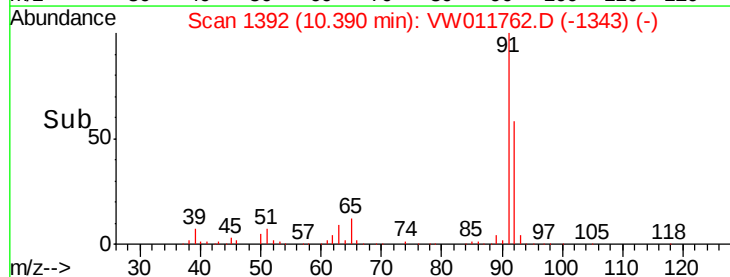
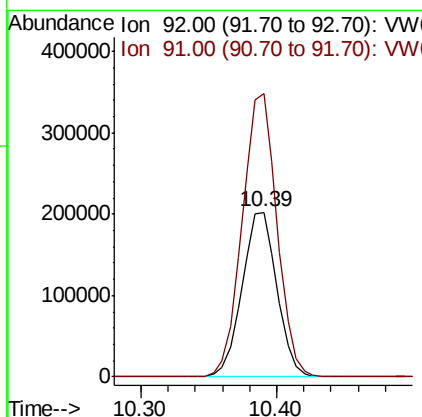
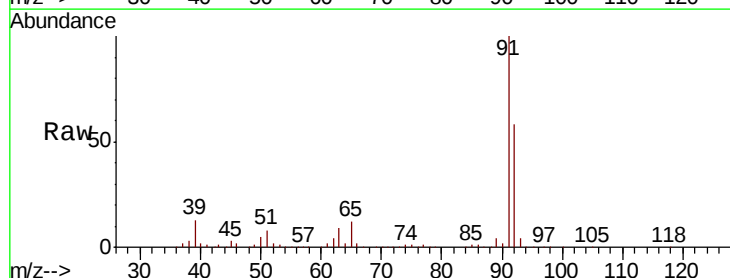
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

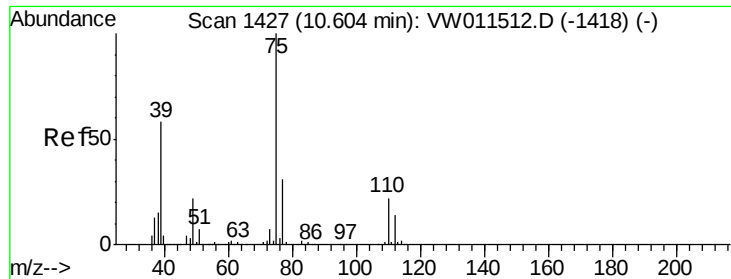
Tgt Ion: 43 Resp: 570251
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.2 42.2



#52
 Toluene
 Concen: 54.839 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion: 92 Resp: 361717
 Ion Ratio Lower Upper
 92 100
 91 171.8 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 54.607 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampled :

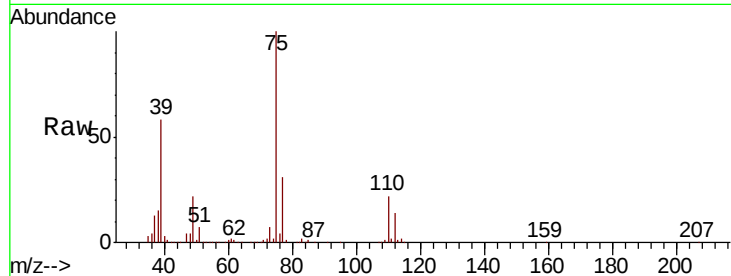
BFB

Tgt Ion: 75 Resp: 199590

Ion Ratio Lower Upper

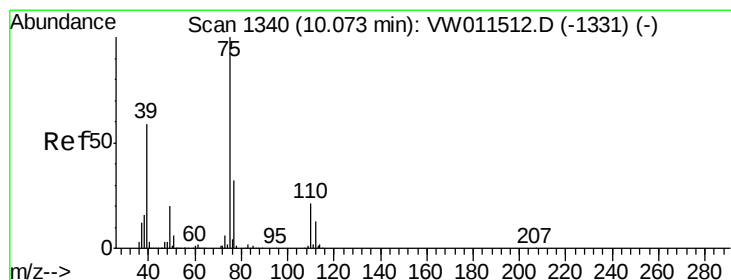
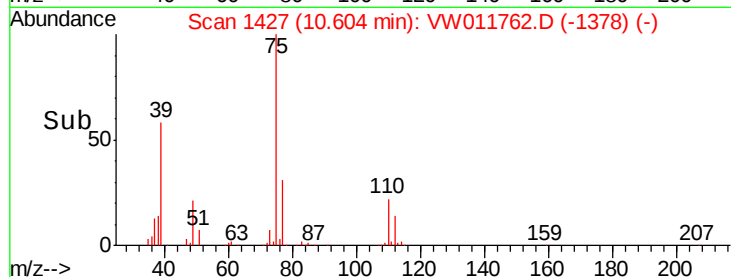
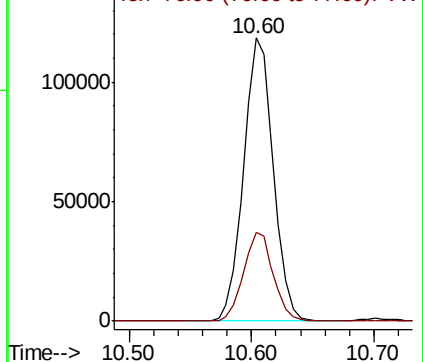
75 100

77 31.2 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: 55.101 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

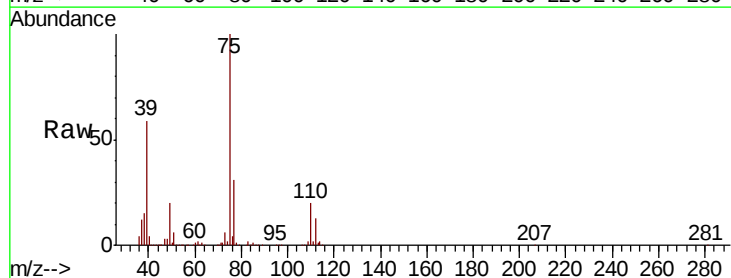
Tgt Ion: 75 Resp: 239456

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

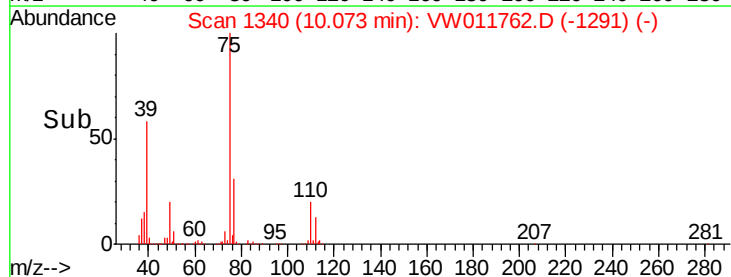
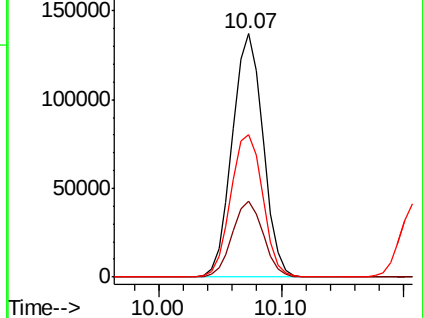
39 58.4 47.0 70.4

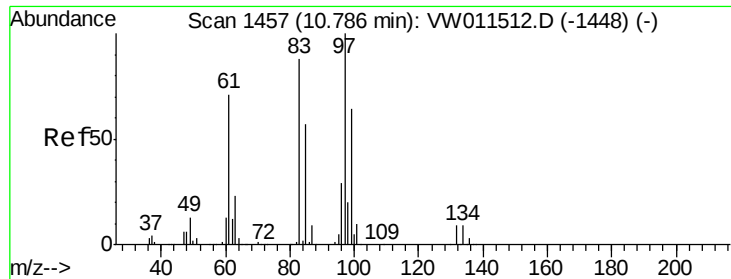


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

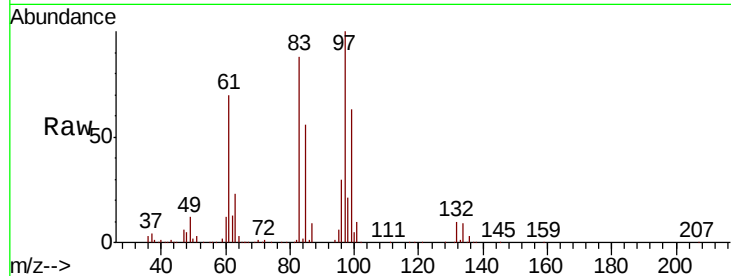




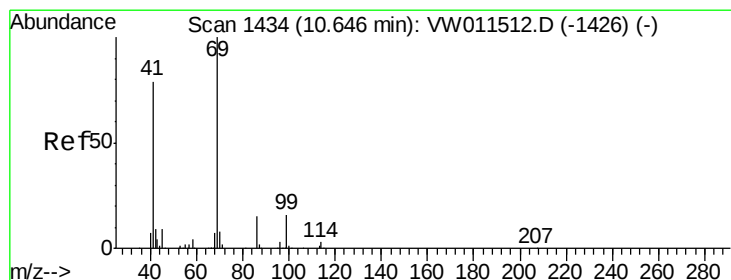
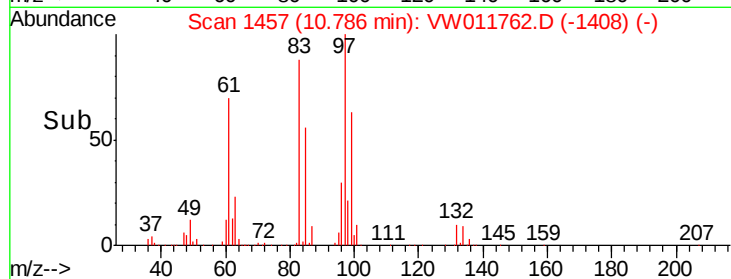
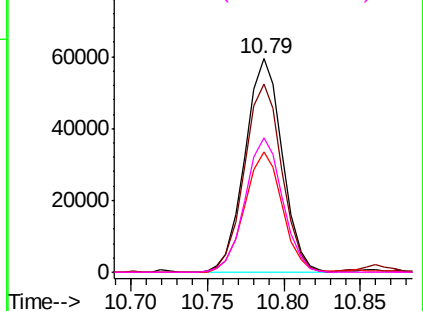
#55
 1,1,2-Trichloroethane
 Concen: 53.192 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:	97	Resp:	100669
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.5	105.7
85	56.3	45.8	68.6
99	62.9	51.0	76.4

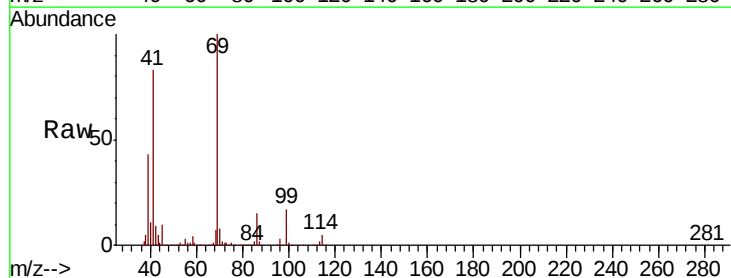


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

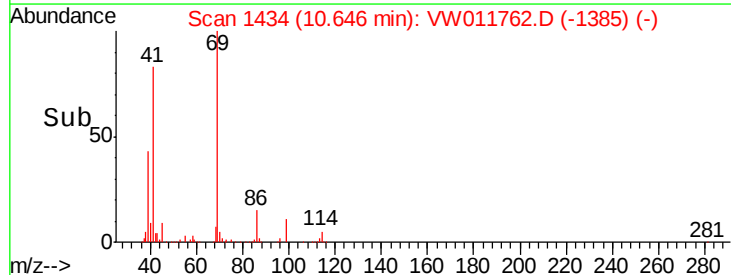
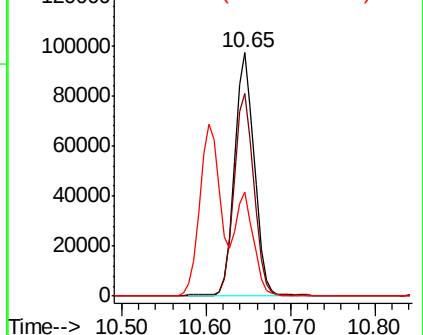


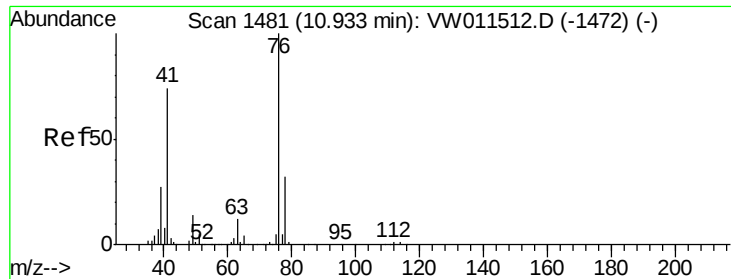
#56
 Ethyl methacrylate
 Concen: 55.550 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion:	69	Resp:	153842
Ion	Ratio	Lower	Upper
69	100		
41	84.2	66.6	99.8
39	38.2	30.3	45.5



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

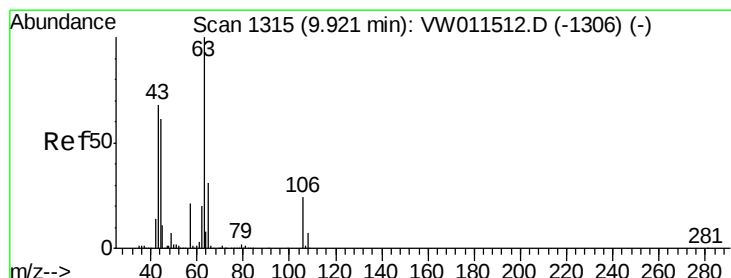
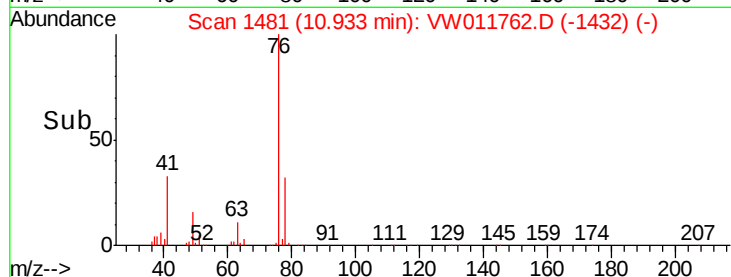
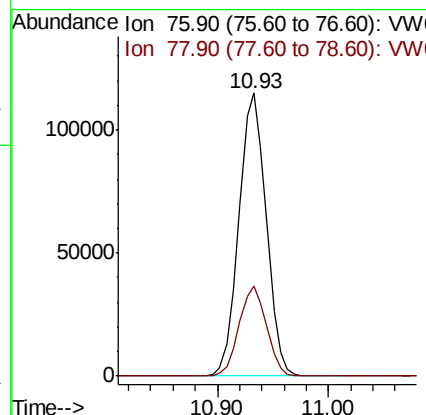
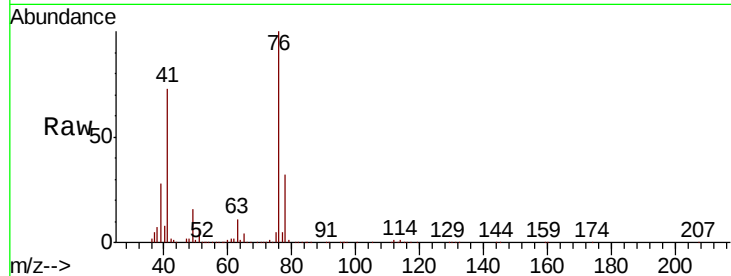




#57
 1,3-Dichloropropane
 Concen: 54.478 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

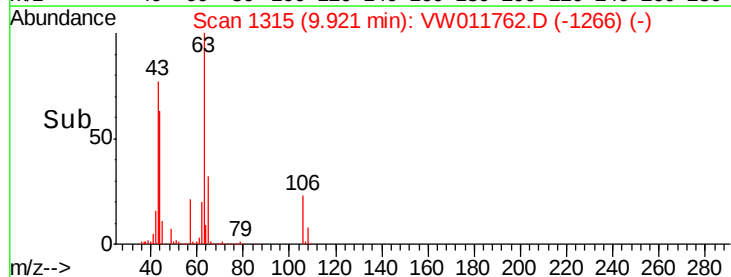
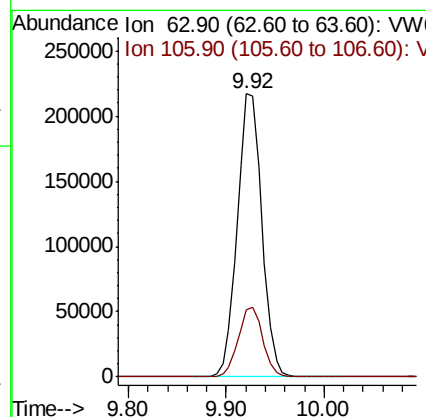
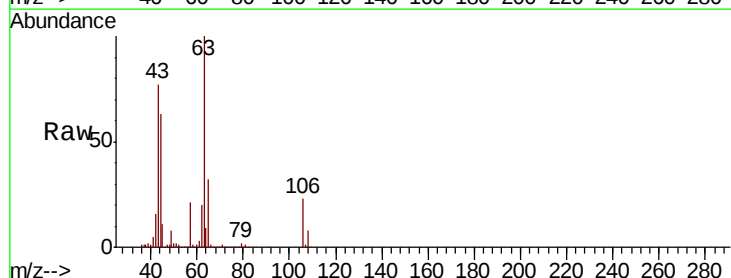
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

Tgt Ion: 76 Resp: 195061
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 301.324 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion: 63 Resp: 378893
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5

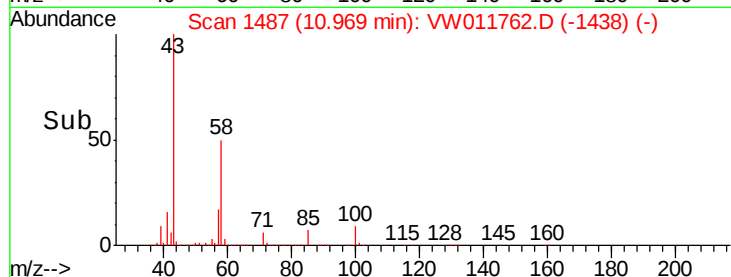
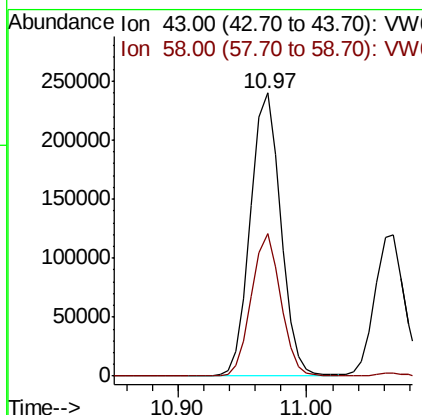
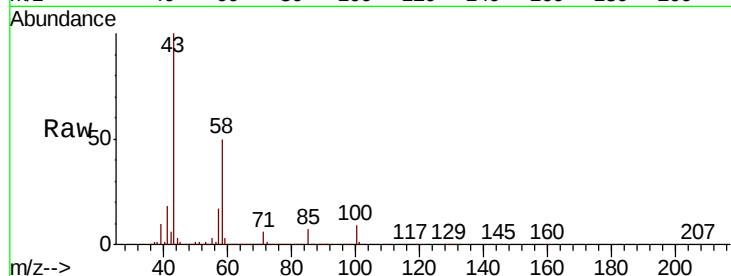




#59
2-Hexanone
Concen: 256.878 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

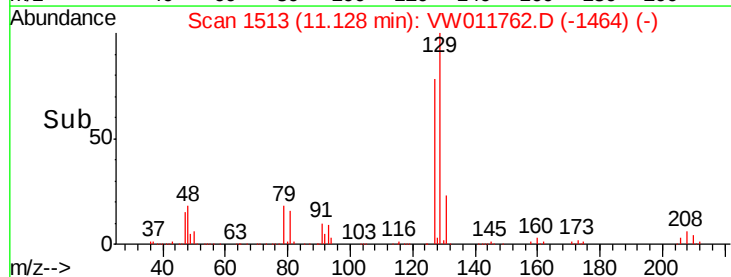
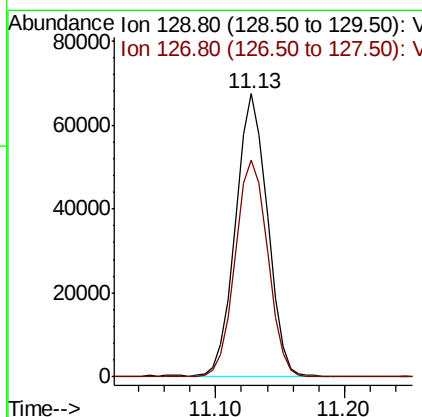
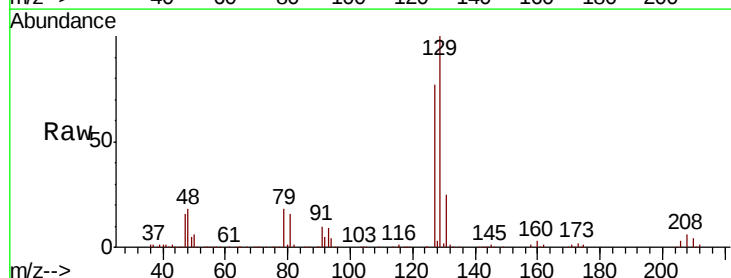
Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion: 43 Resp: 389233
Ion Ratio Lower Upper
43 100
58 48.7 24.3 72.9



#60
Dibromochloromethane
Concen: 54.845 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

Tgt Ion: 129 Resp: 115218
Ion Ratio Lower Upper
129 100
127 78.8 38.9 116.7

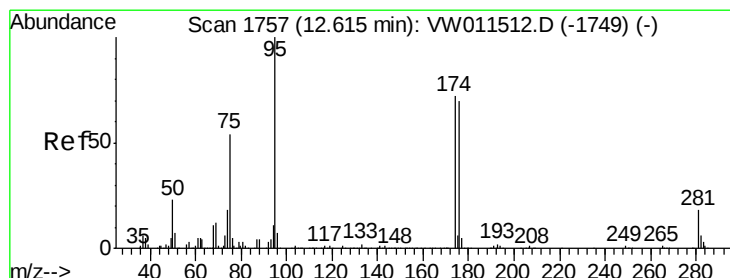
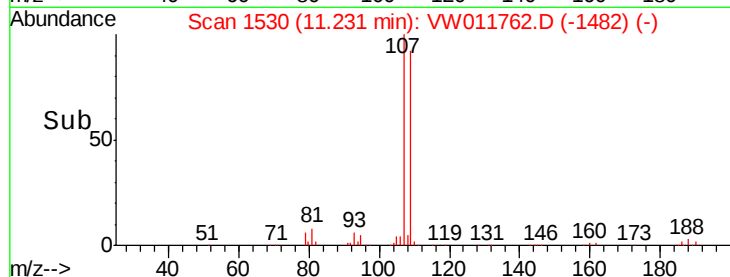
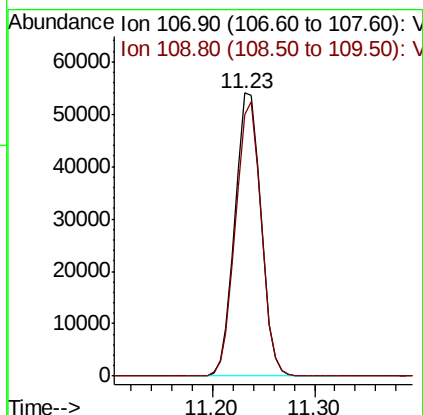
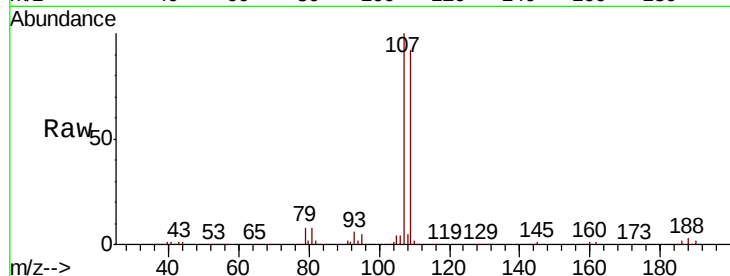




#61
 1,2-Dibromoethane
 Concen: 53.469 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

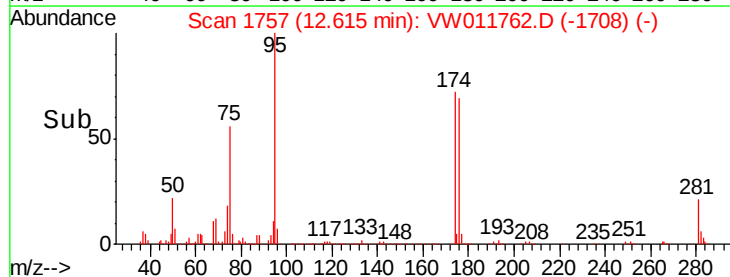
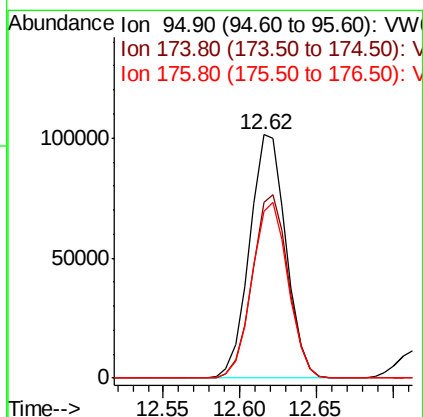
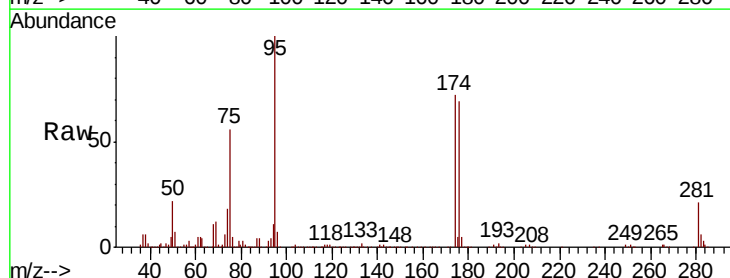
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

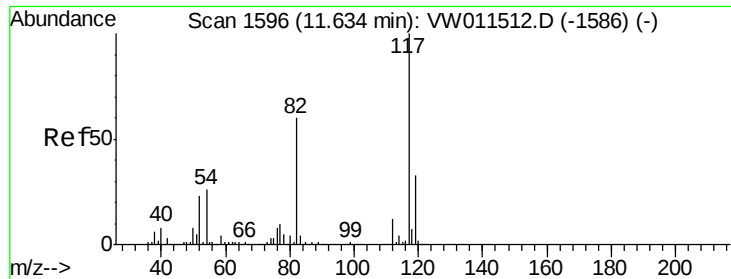
Tgt Ion: 107 Resp: 95762
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 54.281 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion: 95 Resp: 166696
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 150.2
 176 72.2 0.0 144.4

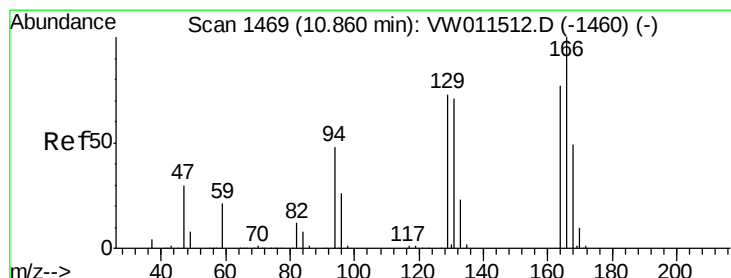
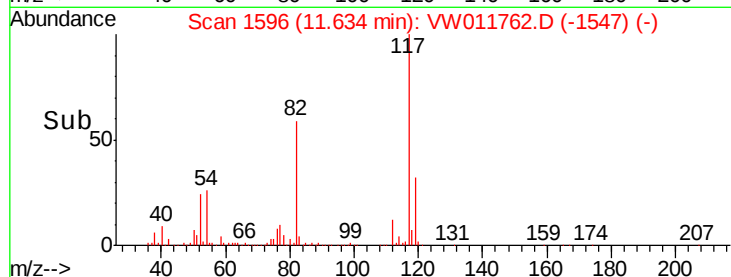
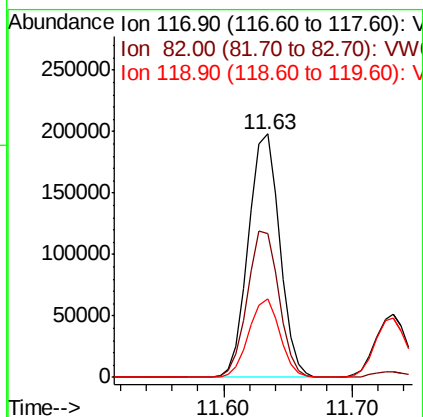
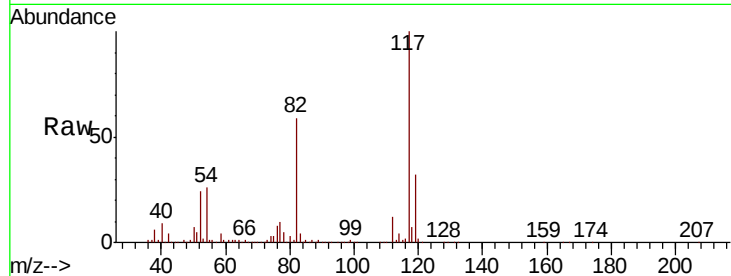




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

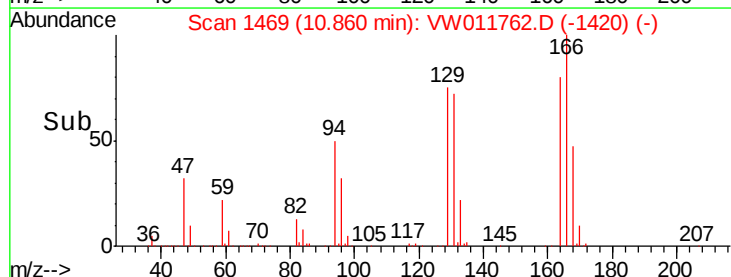
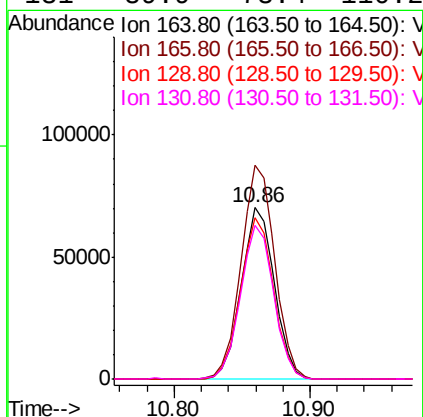
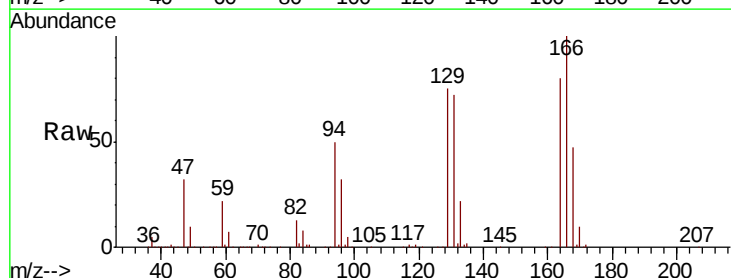
Instrument :
MSVOA_W
ClientSampled :
BFB

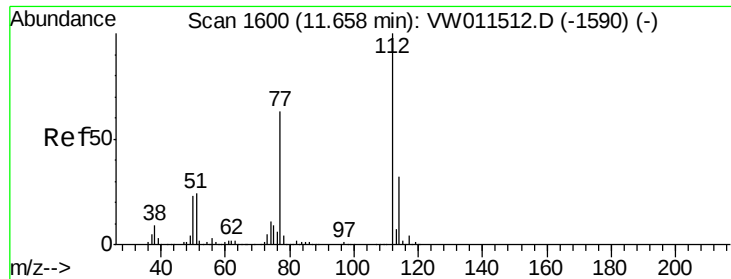
Tgt Ion:117 Resp: 332388
Ion Ratio Lower Upper
117 100
82 59.0 47.9 71.9
119 32.1 26.2 39.2



#64
Tetrachloroethene
Concen: 55.130 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

Tgt Ion:164 Resp: 119313
Ion Ratio Lower Upper
164 100
166 124.7 103.5 155.3
129 94.0 75.2 112.8
131 89.9 73.4 110.2

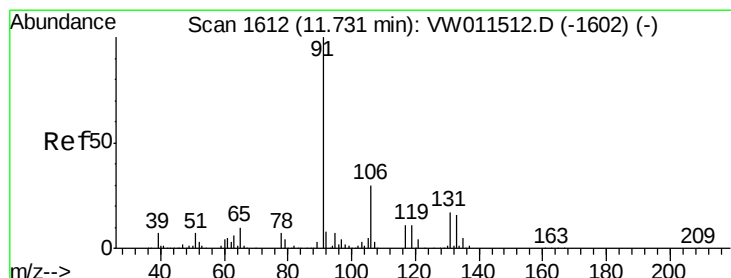
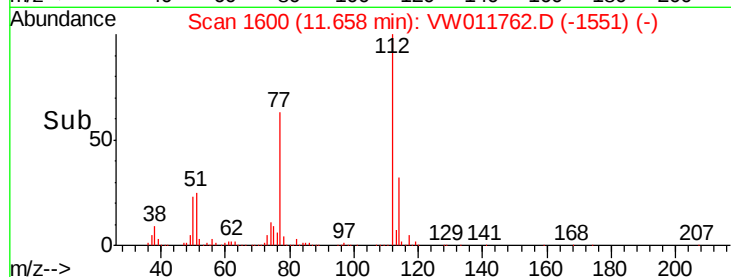
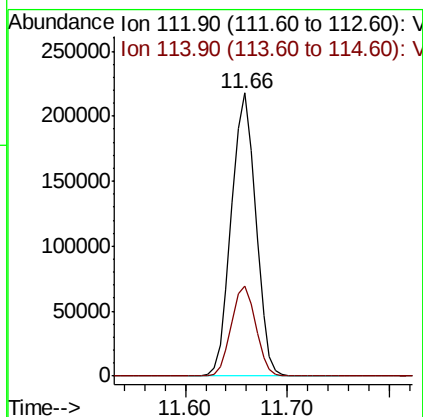
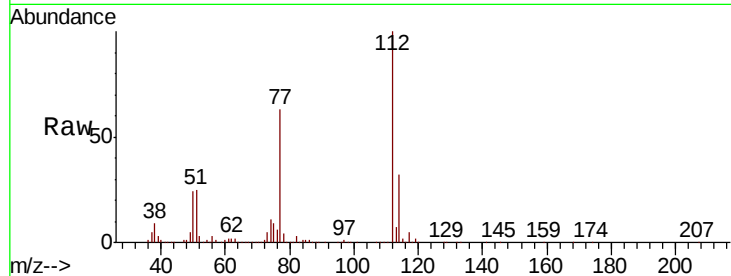




#65
Chlorobenzene
Concen: 54.064 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

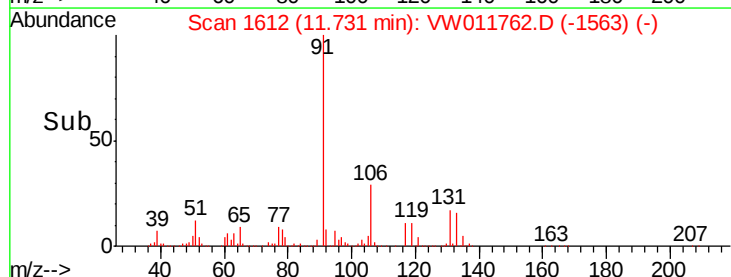
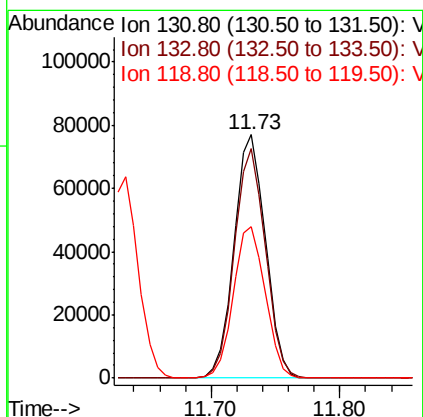
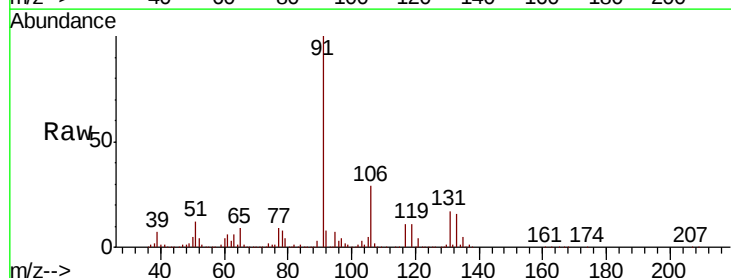
Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion:112 Resp: 361283
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 55.977 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

Tgt Ion:131 Resp: 130296
Ion Ratio Lower Upper
131 100
133 93.5 47.4 142.2
119 63.3 32.3 96.9

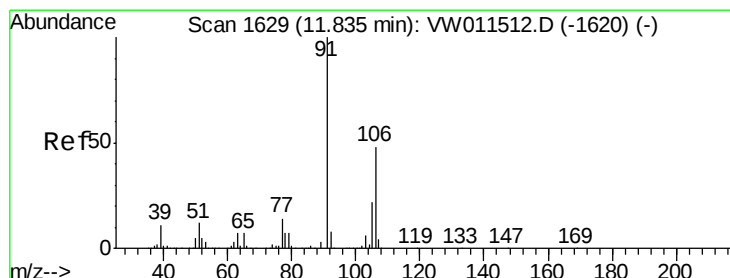
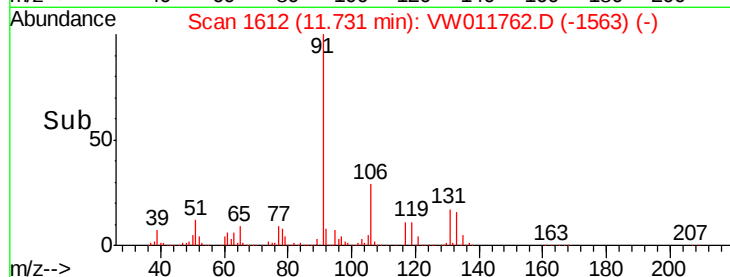
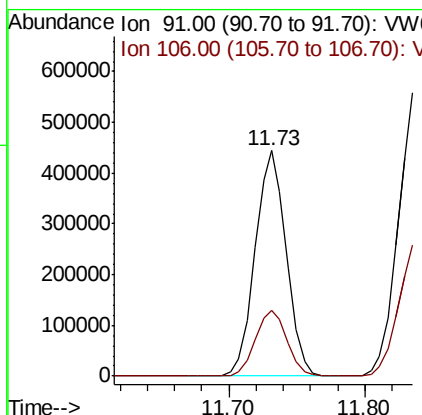
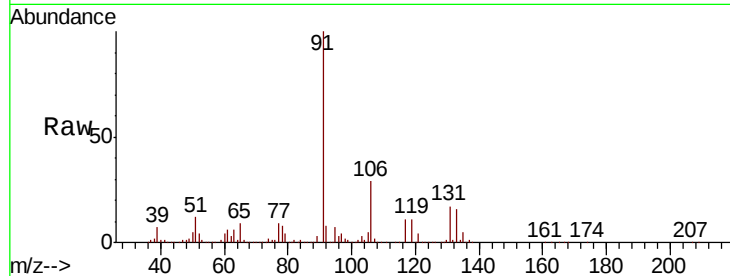




#67
Ethyl Benzene
Concen: 55.836 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

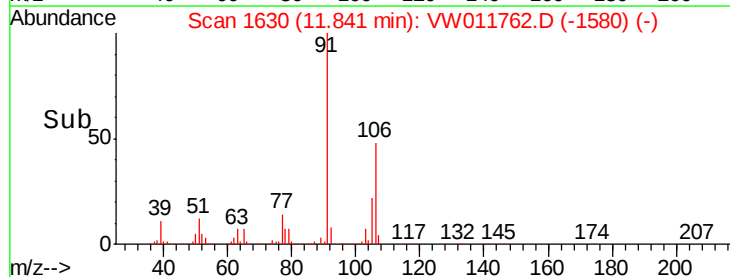
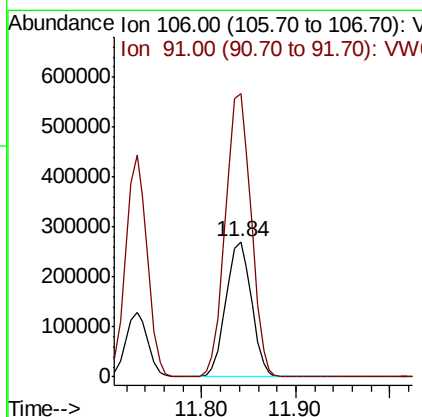
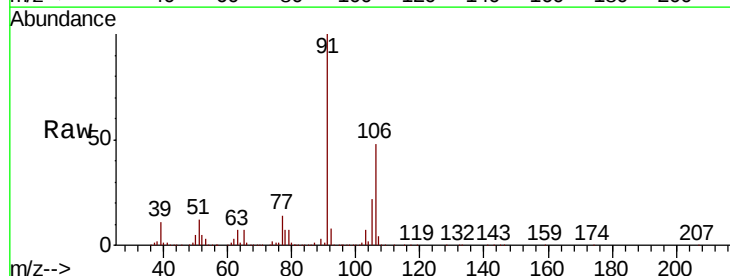
Instrument :
MSVOA_W
ClientSampled :
BFB

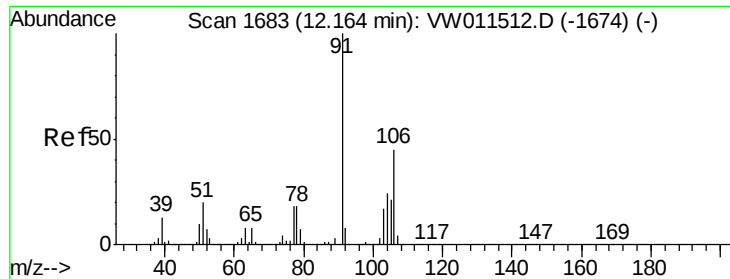
Tgt Ion: 91 Resp: 710637
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.6



#68
m/p-Xylenes
Concen: 110.176 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

Tgt Ion: 106 Resp: 509951
Ion Ratio Lower Upper
106 100
91 211.1 168.2 252.2

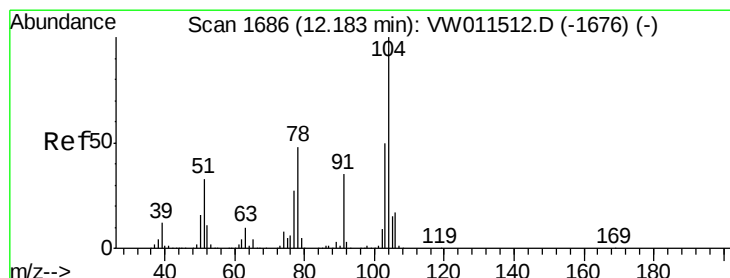
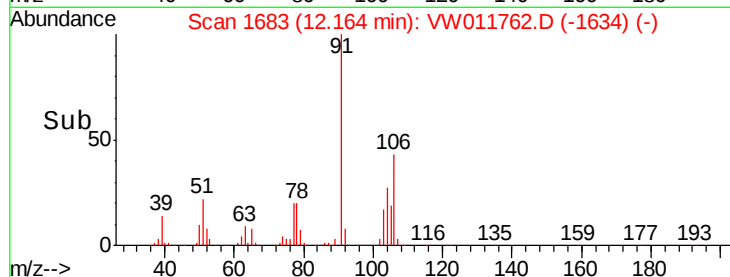
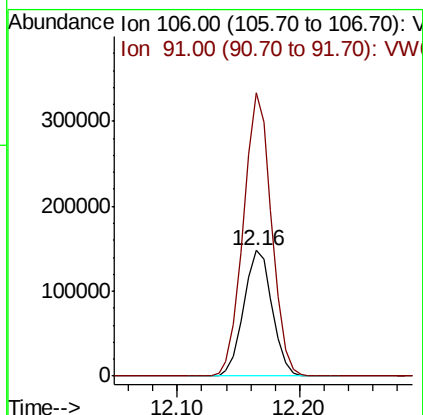
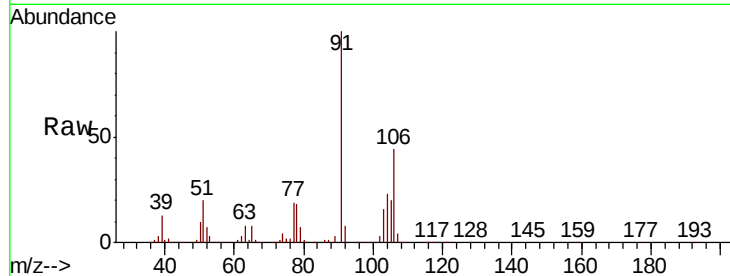




#69
o-Xylene
Concen: 55.748 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

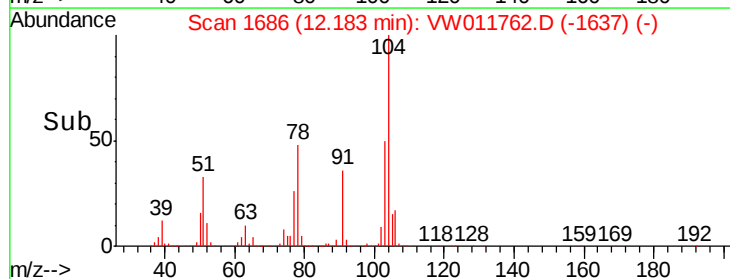
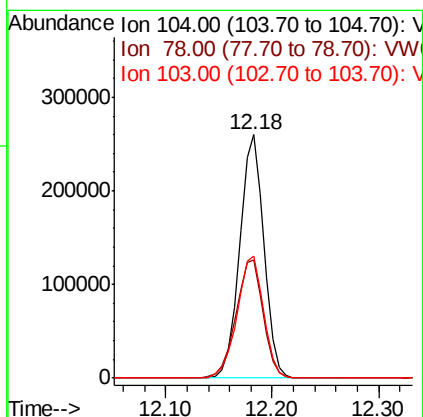
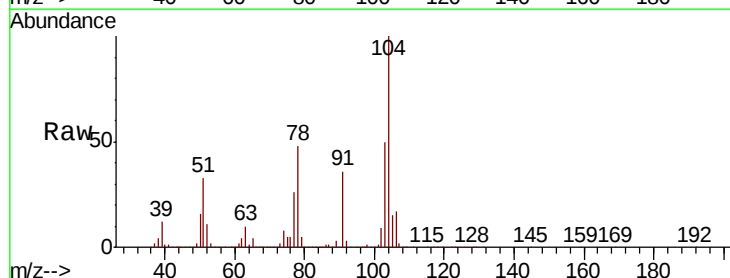
Instrument :
MSVOA_W
ClientSampleId :
BFB

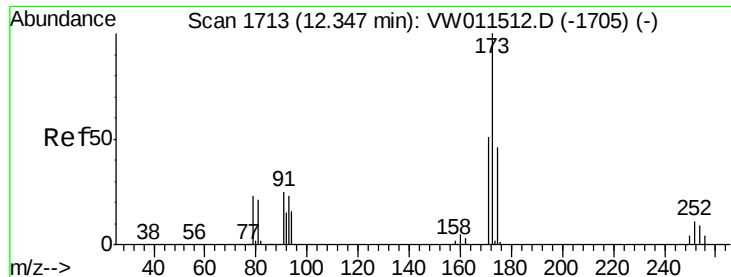
Tgt Ion:106 Resp: 239779
Ion Ratio Lower Upper
106 100
91 221.4 110.5 331.5



#70
Styrene
Concen: 55.865 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

Tgt Ion:104 Resp: 415447
Ion Ratio Lower Upper
104 100
78 54.6 43.4 65.0
103 54.7 43.9 65.9





#71

Bromoform

Concen: 54.476 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

BFB

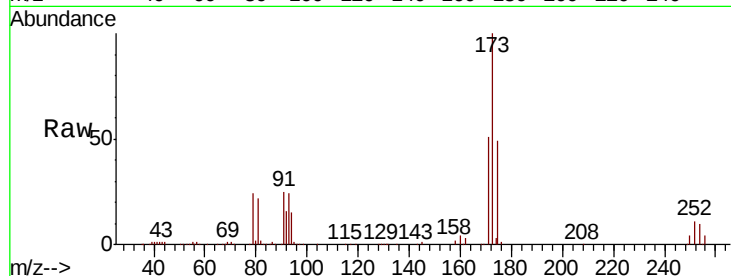
Tgt Ion:173 Resp: 64652

Ion Ratio Lower Upper

173 100

175 48.4 23.6 71.0

254 0.2 0.1 0.1#

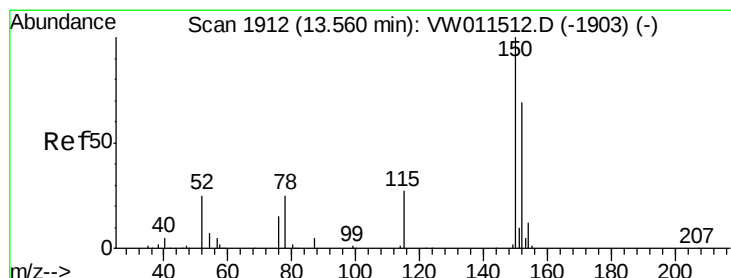
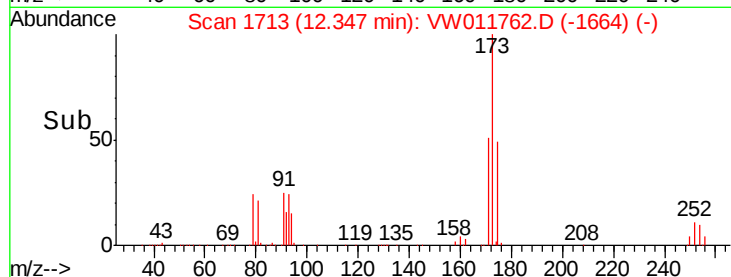
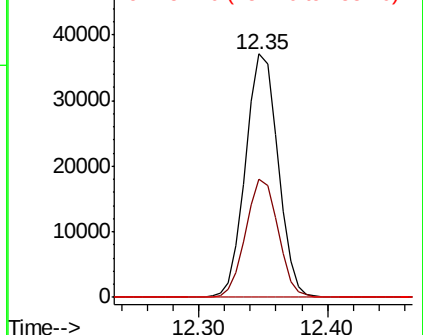


Abundance

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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

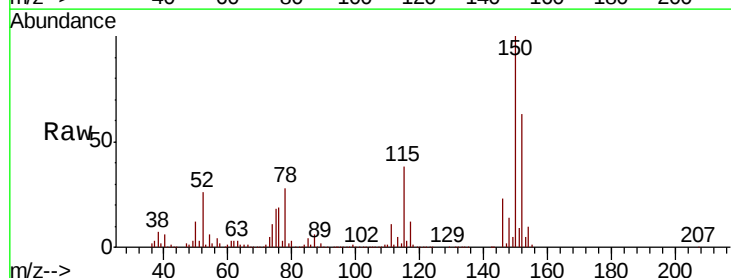
Tgt Ion:152 Resp: 159219

Ion Ratio Lower Upper

152 100

115 60.3 30.5 91.5

150 173.9 0.0 352.6

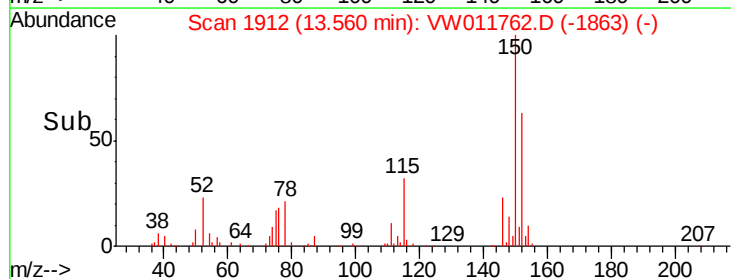
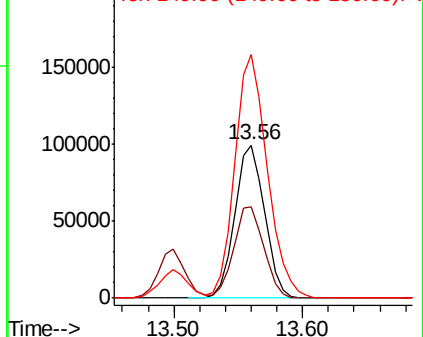


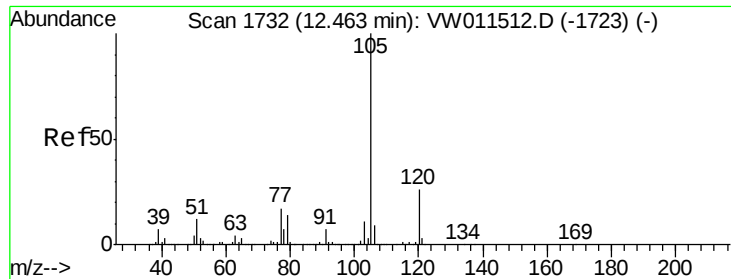
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.281 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

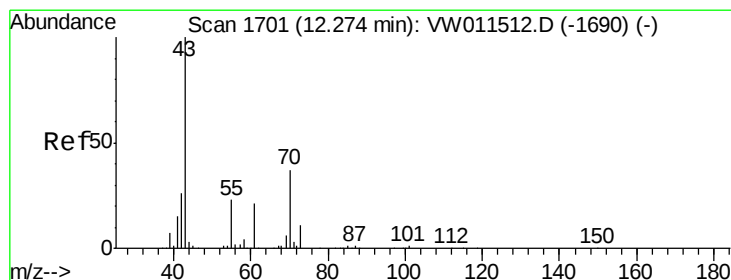
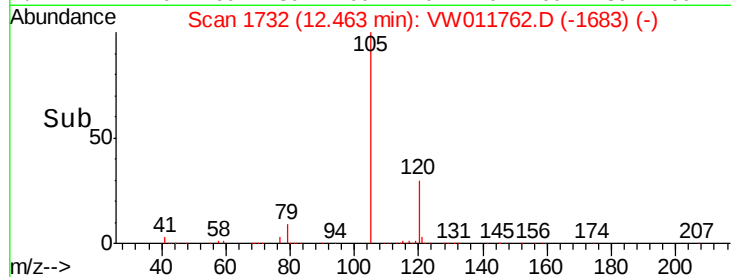
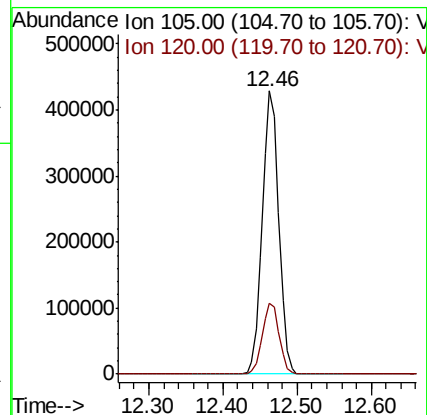
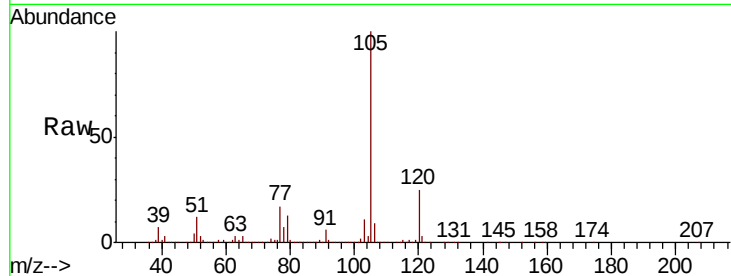
BFB

Tgt Ion: 105 Resp: 668507

Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.7



#74

N-ethyl acetate

Concen: 55.466 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Tgt Ion: 43 Resp: 206263

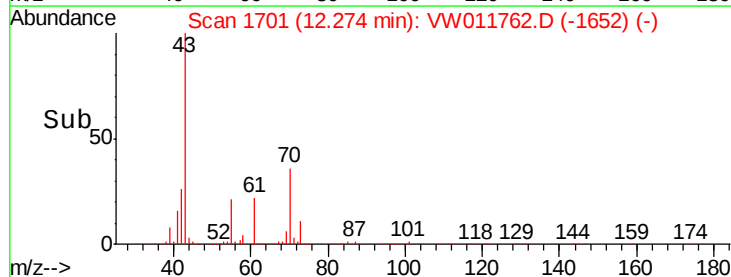
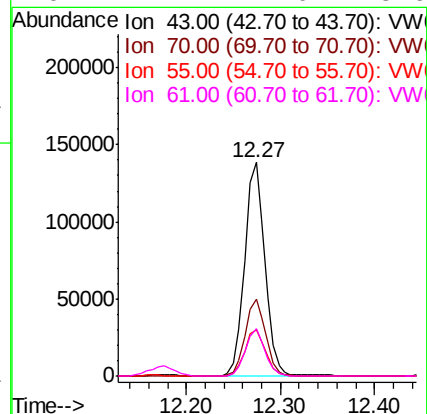
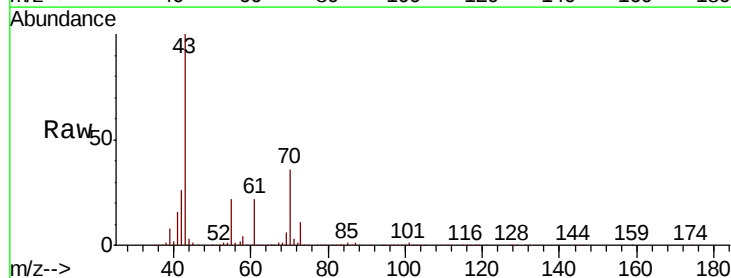
Ion Ratio Lower Upper

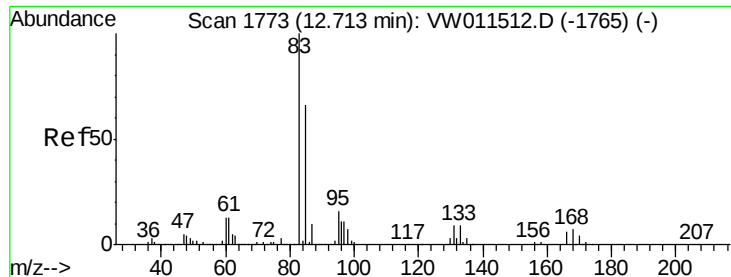
43 100

70 36.6 28.6 43.0

55 21.8 17.8 26.8

61 21.4 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.245 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

BFB

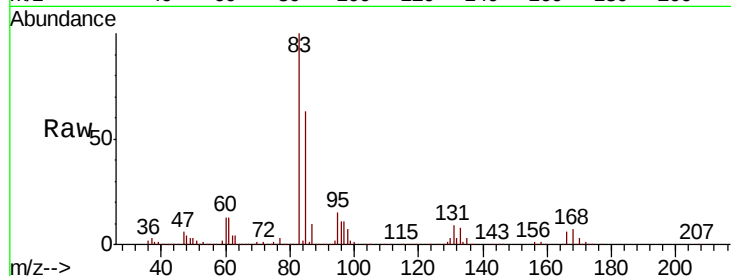
Tgt Ion: 83 Resp: 118963

Ion Ratio Lower Upper

83 100

131 10.4 4.9 14.6

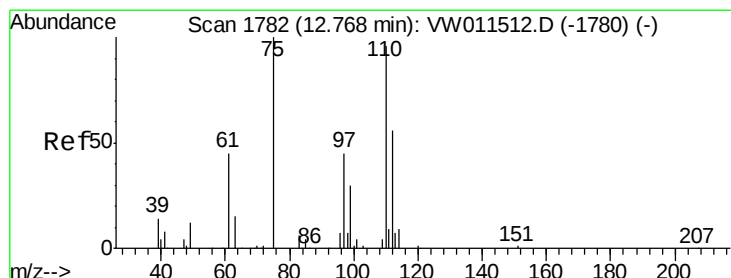
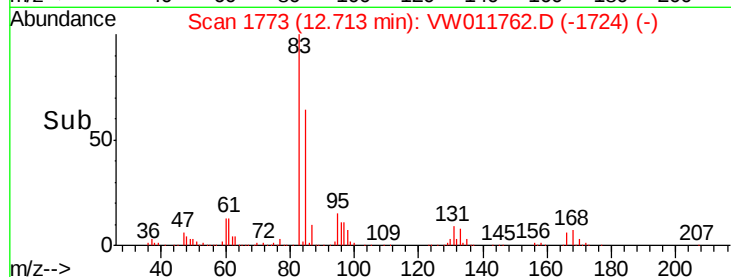
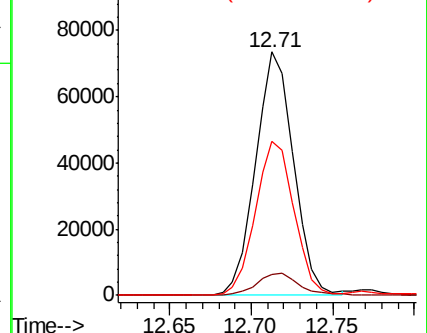
85 64.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 96.253 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011762.D

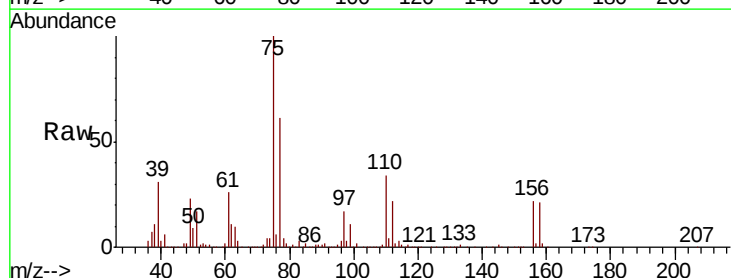
Acq: 07 Aug 2019 19:56

Tgt Ion: 75 Resp: 162160

Ion Ratio Lower Upper

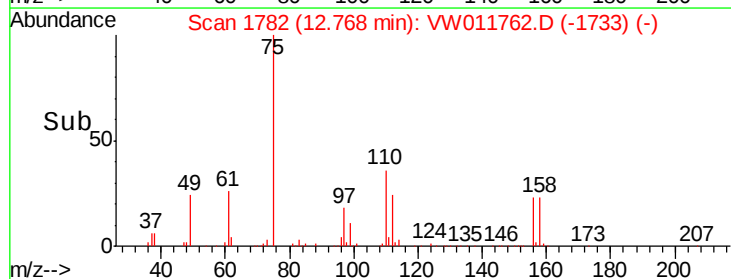
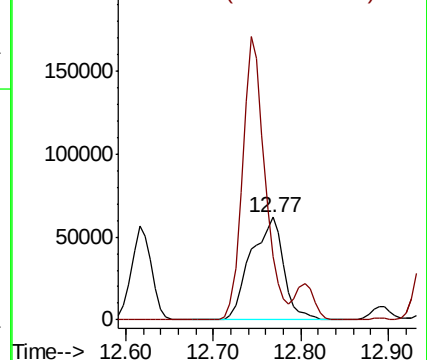
75 100

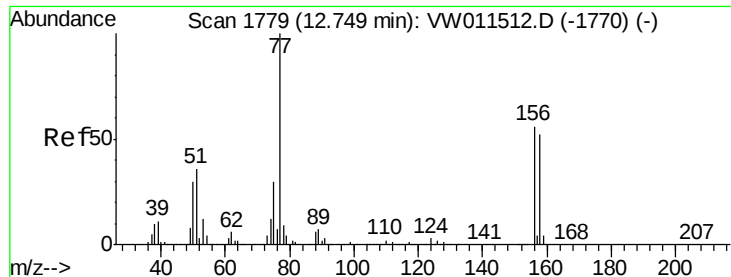
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.932 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampled :

BFB

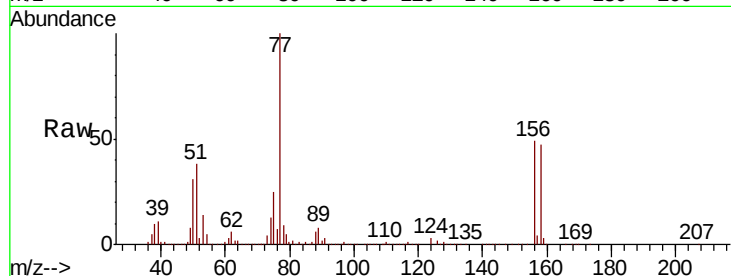
Tgt Ion:156 Resp: 144220

Ion Ratio Lower Upper

156 100

77 213.0 106.5 319.4

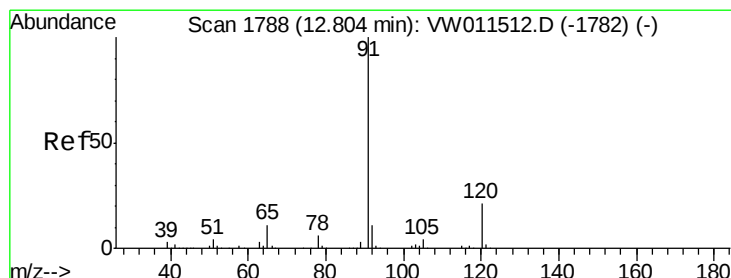
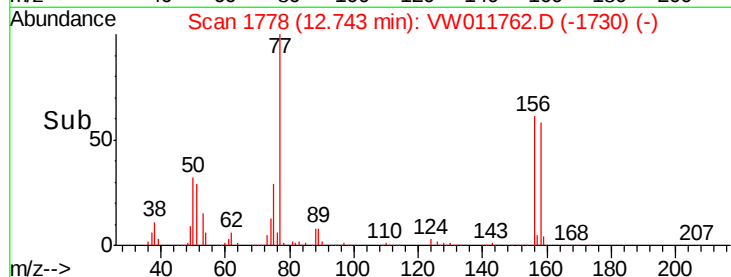
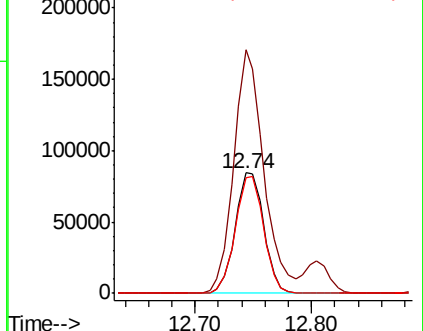
158 97.0 48.0 144.2



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: 56.503 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011762.D

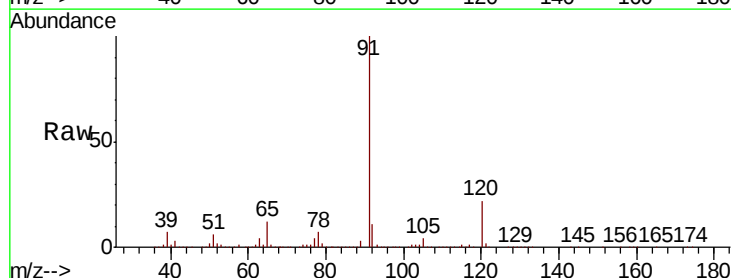
Acq: 07 Aug 2019 19:56

Tgt Ion: 91 Resp: 816797

Ion Ratio Lower Upper

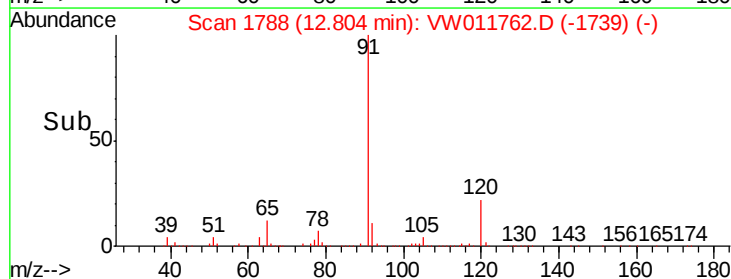
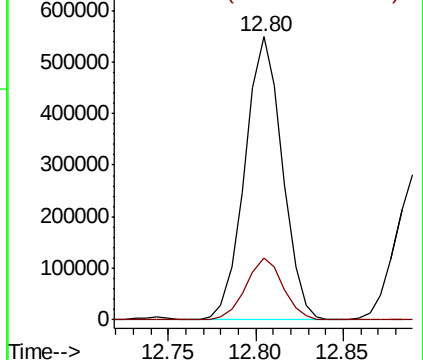
91 100

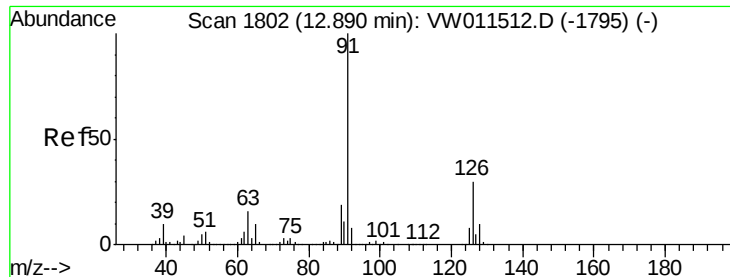
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.722 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampled :

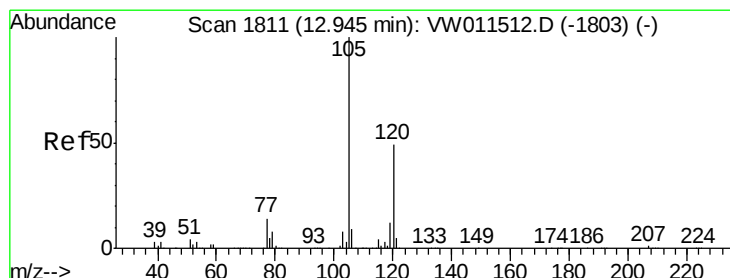
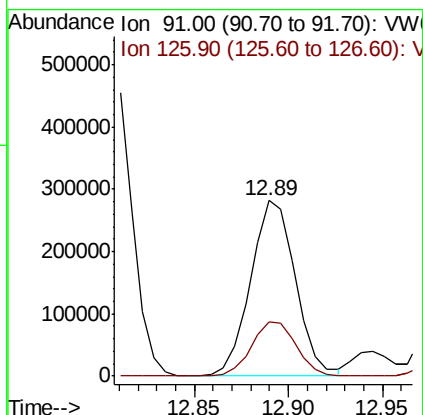
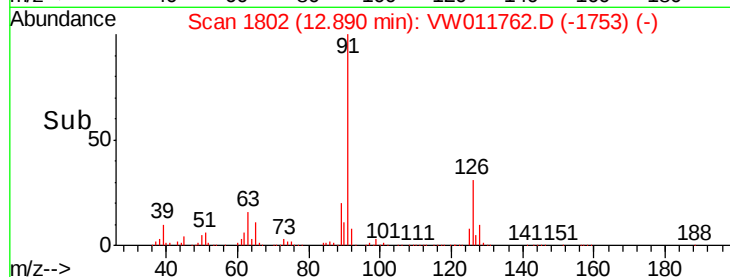
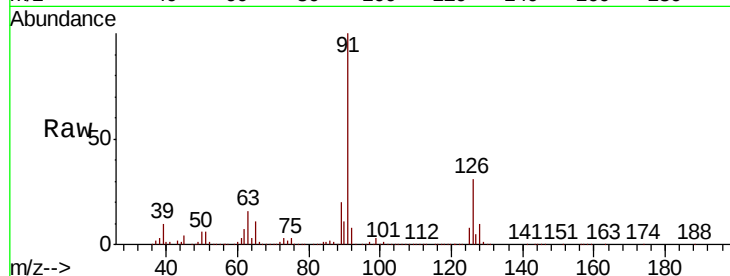
BFB

Tgt Ion: 91 Resp: 464048

Ion Ratio Lower Upper

91 100

126 31.2 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 56.804 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011762.D

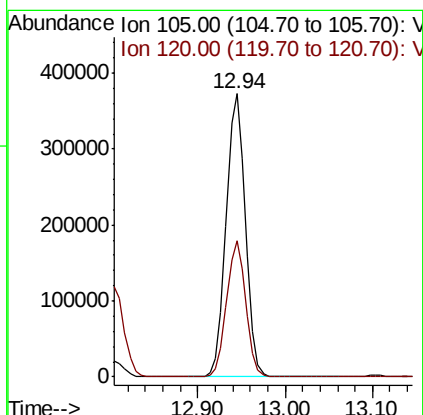
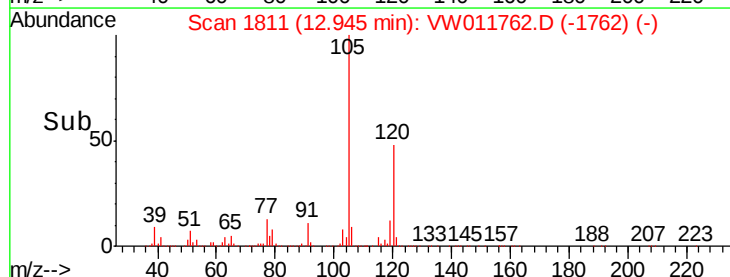
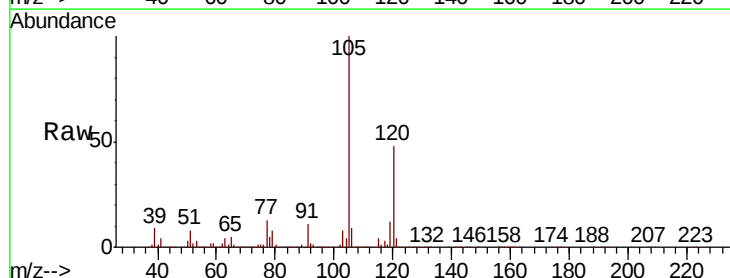
Acq: 07 Aug 2019 19:56

Tgt Ion: 105 Resp: 565589

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 54.452 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

BFB

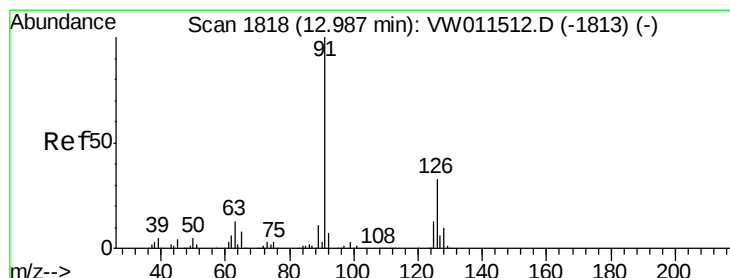
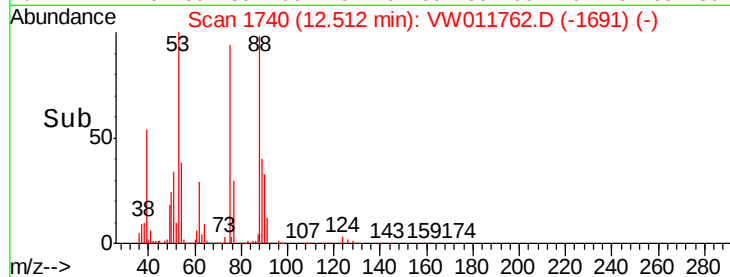
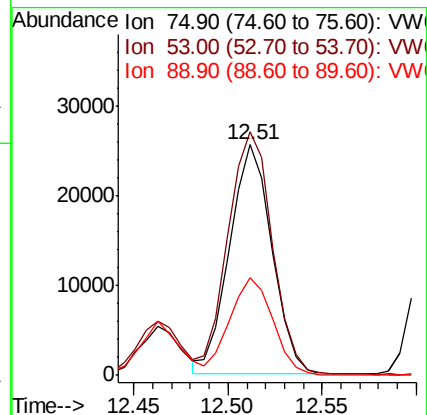
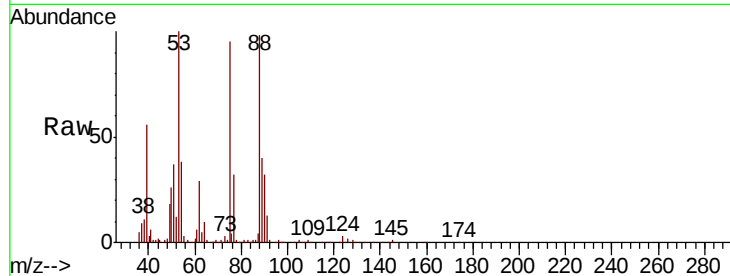
Tgt Ion: 75 Resp: 39805

Ion Ratio Lower Upper

75 100

53 111.7 88.0 132.0

89 43.0 35.3 52.9



#82

4-Chlorotoluene

Concen: 55.088 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011762.D

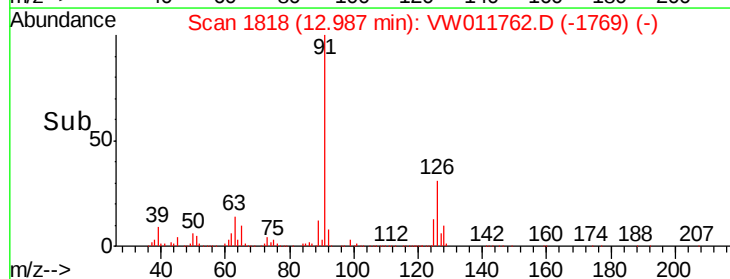
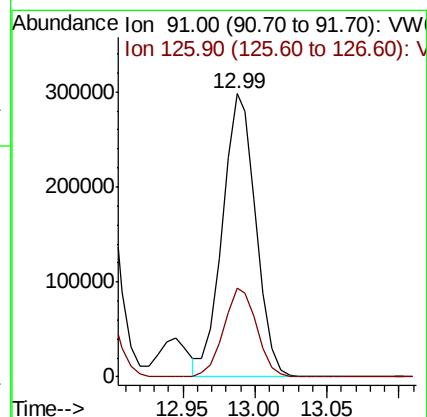
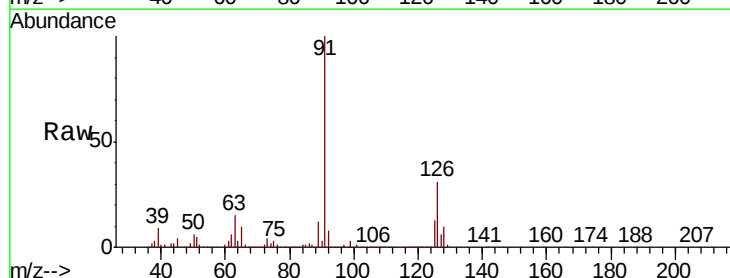
Acq: 07 Aug 2019 19:56

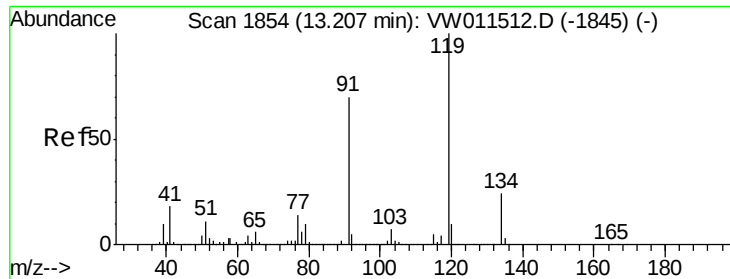
Tgt Ion: 91 Resp: 481346

Ion Ratio Lower Upper

91 100

126 31.5 15.6 46.8

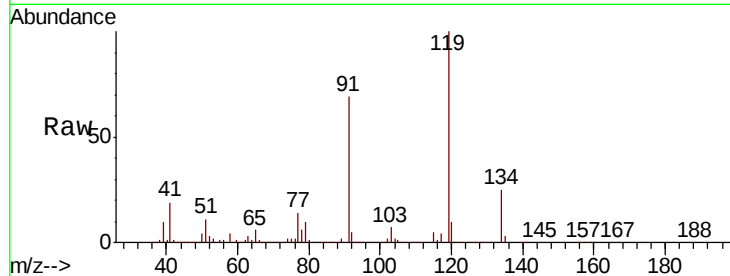




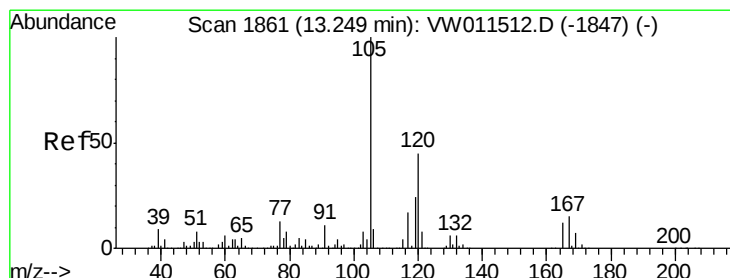
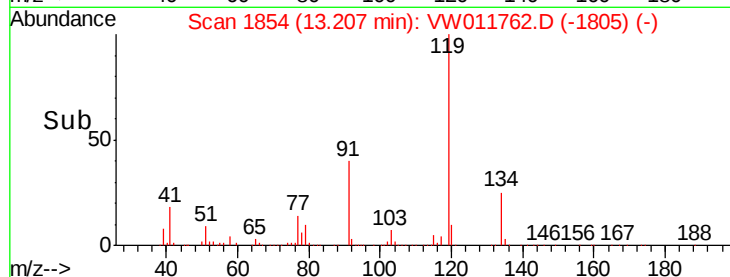
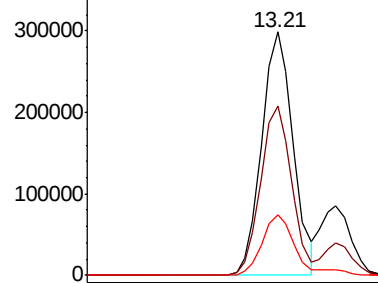
#83
 tert-Butylbenzene
 Concen: 57.476 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:119 Resp: 478566
 Ion Ratio Lower Upper
 119 100
 91 68.5 34.5 103.6
 134 24.9 12.4 37.4

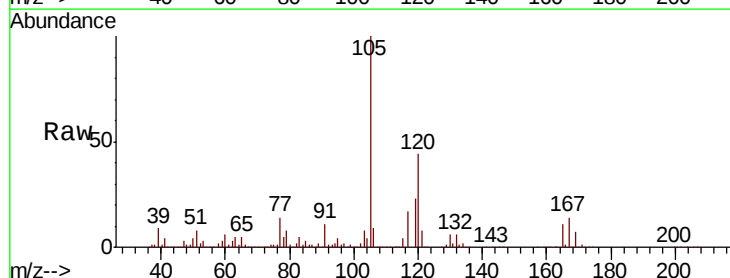


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

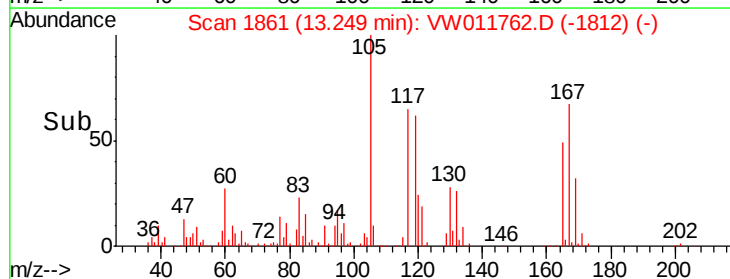
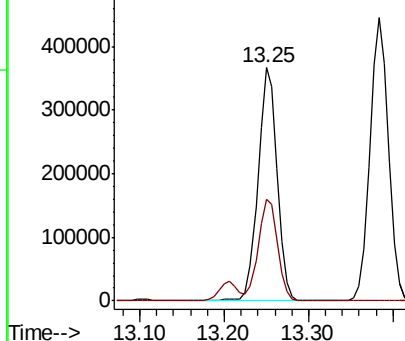


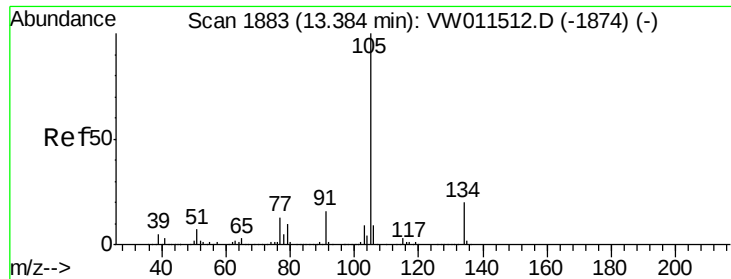
#84
 1,2,4-Trimethylbenzene
 Concen: 56.269 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion:105 Resp: 564385
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.1 66.5



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

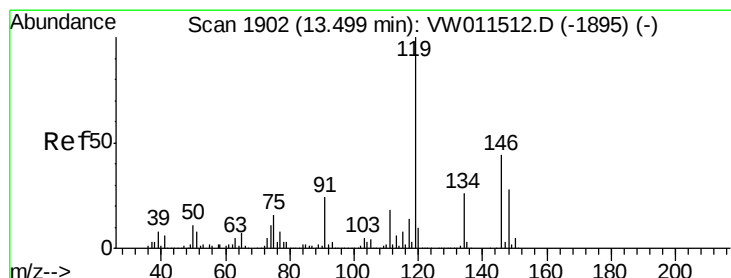
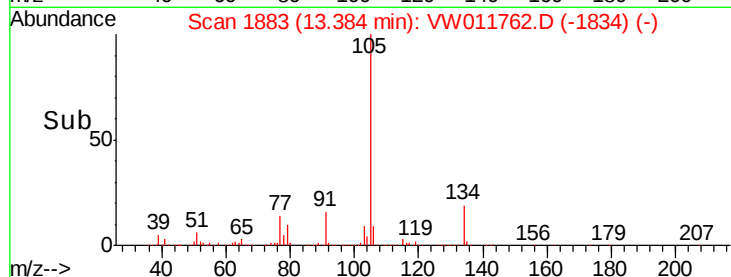
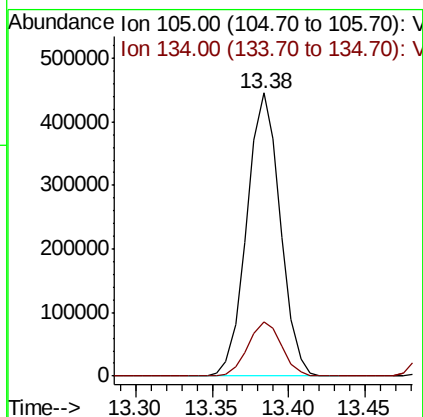
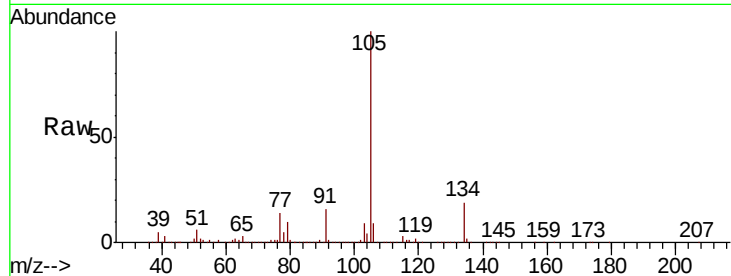




#85
 sec-Butylbenzene
 Concen: 56.944 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

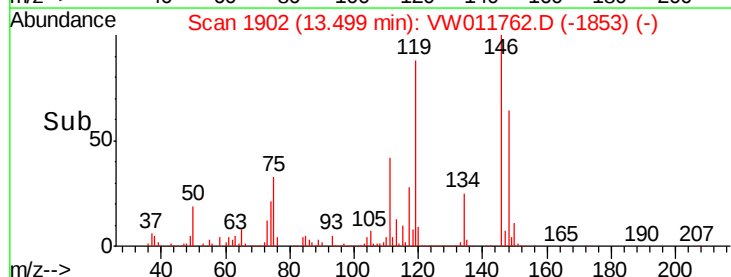
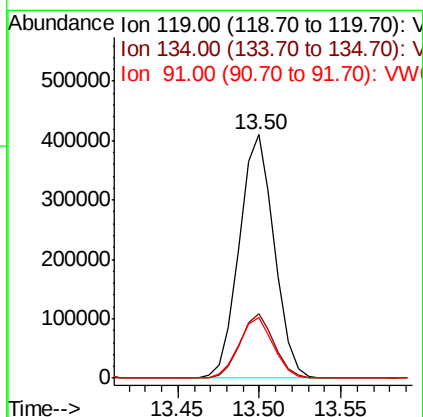
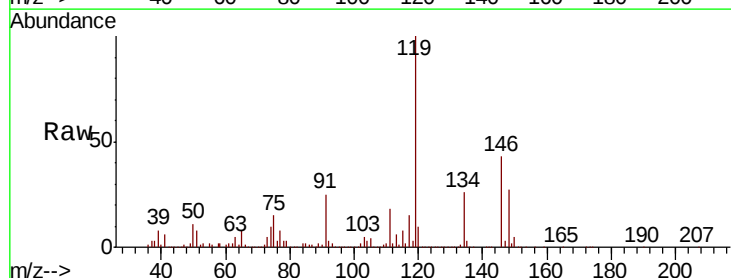
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

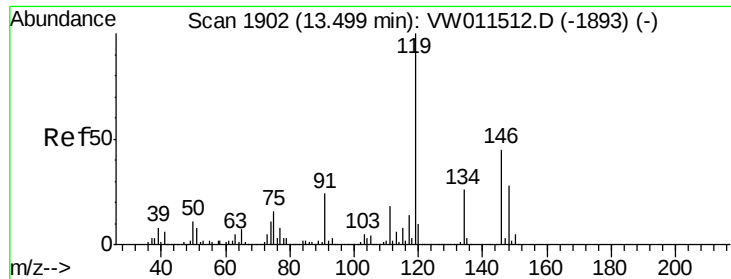
Tgt Ion:105 Resp: 676528
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 56.624 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion:119 Resp: 610376
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 24.5 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 54.199 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

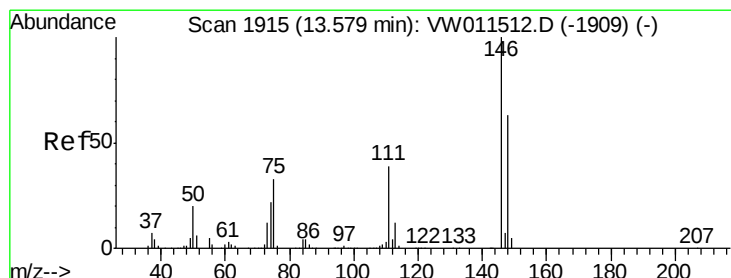
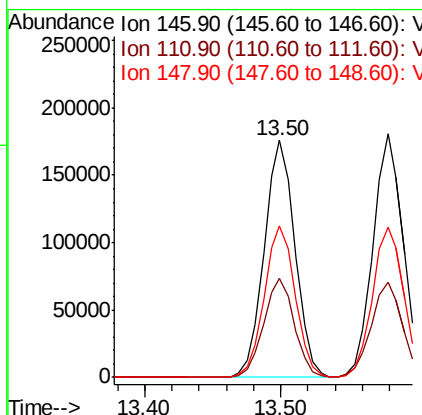
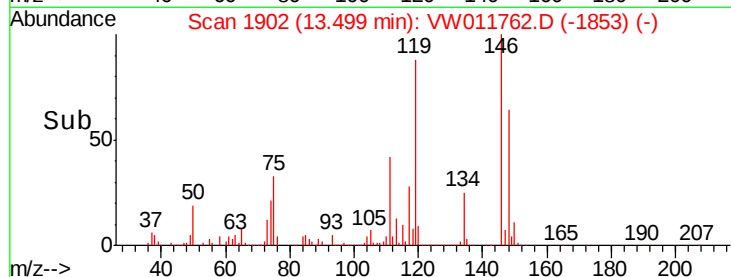
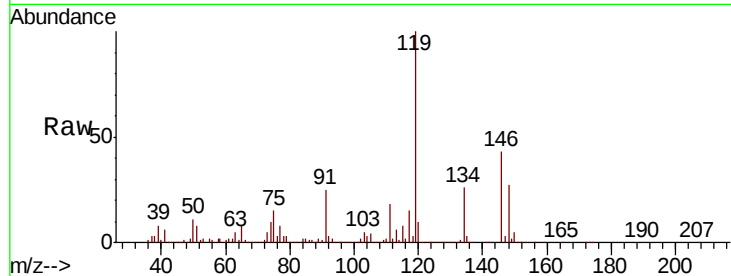
Instrument :

MSVOA_W

ClientSampleId :

BFB

Tgt Ion:	146	Resp:	279009
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.6
148	63.9	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 54.115 ug/l

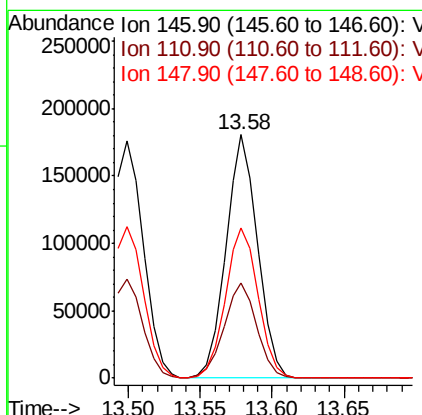
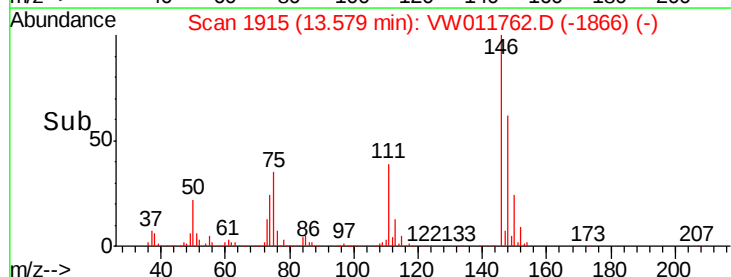
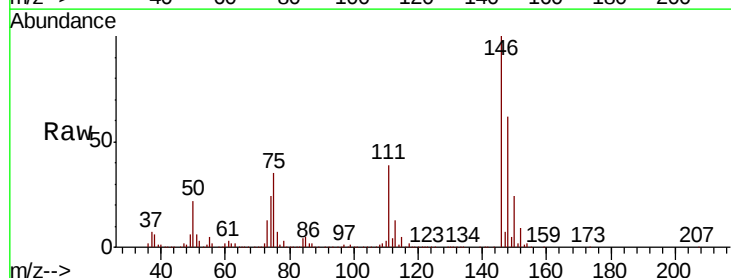
RT: 13.58 min Scan# 1915

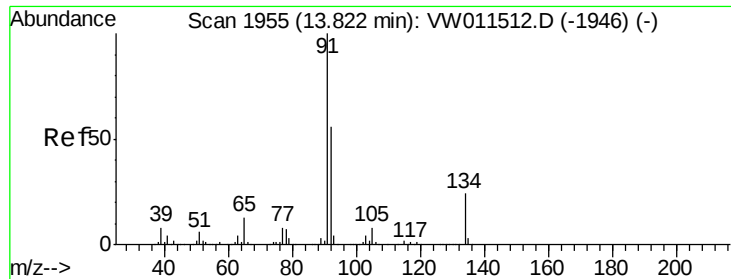
Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Tgt Ion:	146	Resp:	277117
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.2
148	63.6	31.9	95.9





#89

n-Butylbenzene

Concen: 56.555 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011762.D

Acq: 07 Aug 2019 19:56

Instrument :

MSVOA_W

ClientSampled :

BFB

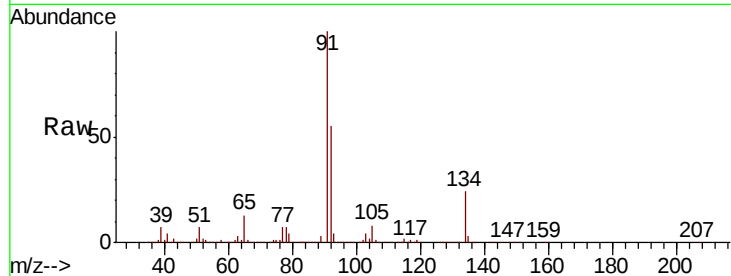
Tgt Ion: 91 Resp: 608380

Ion Ratio Lower Upper

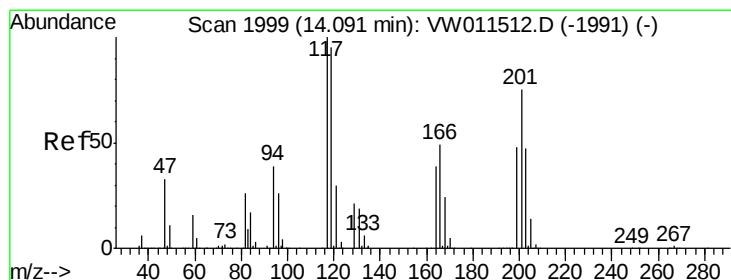
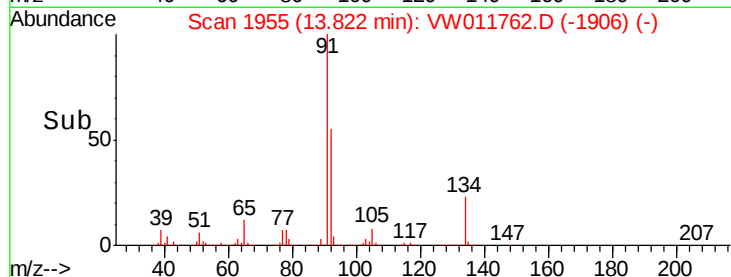
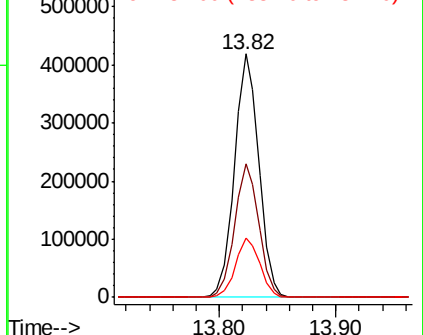
91 100

92 54.6 27.5 82.4

134 24.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 55.934 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW011762.D

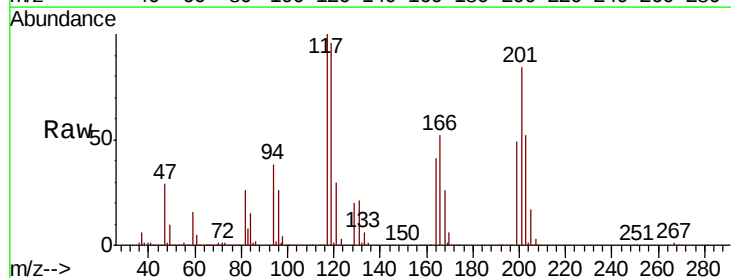
Acq: 07 Aug 2019 19:56

Tgt Ion: 117 Resp: 106617

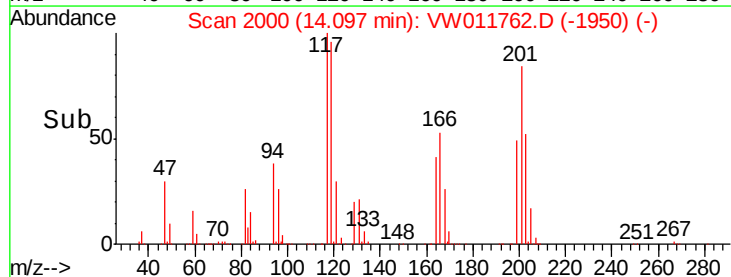
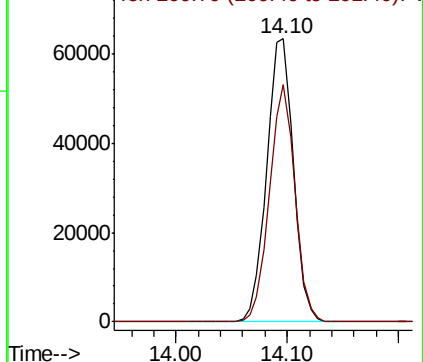
Ion Ratio Lower Upper

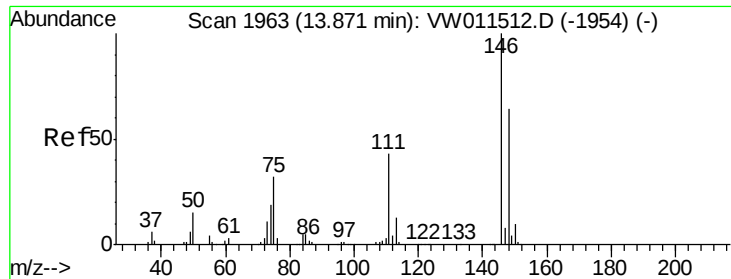
117 100

201 79.6 39.4 118.2



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

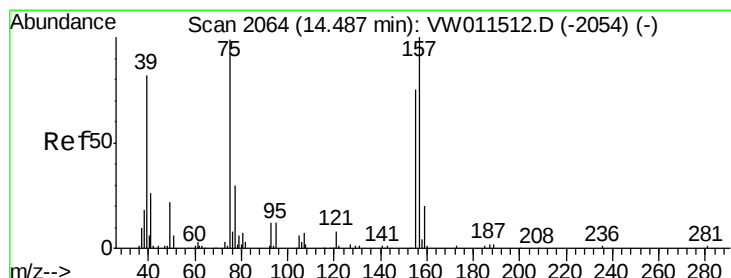
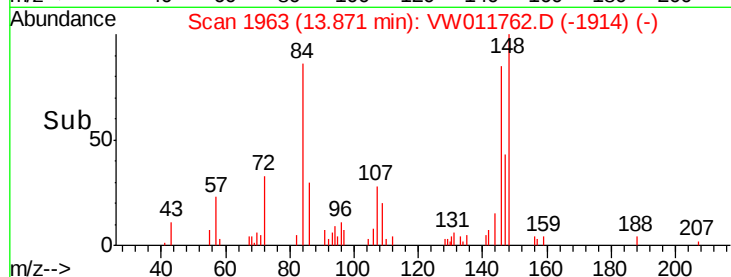
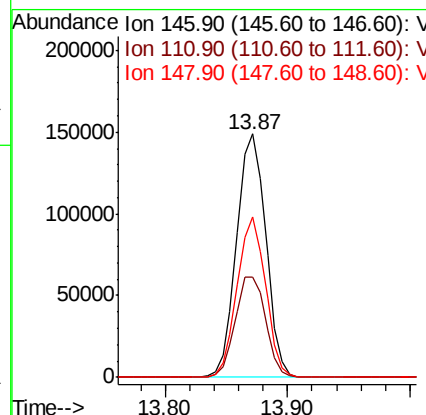
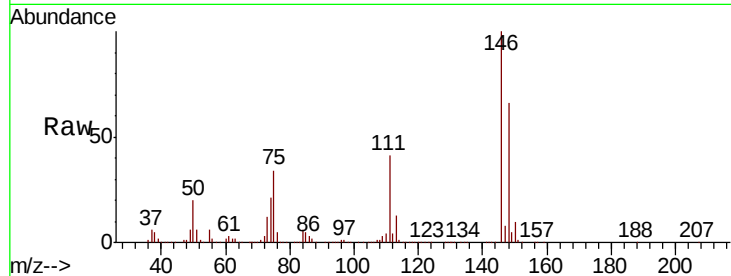




#91
 1,2-Dichlorobenzene
 Concen: 53.943 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

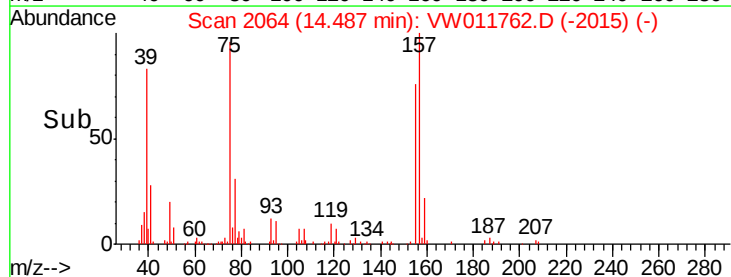
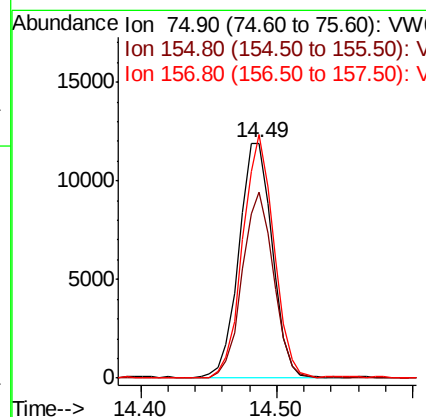
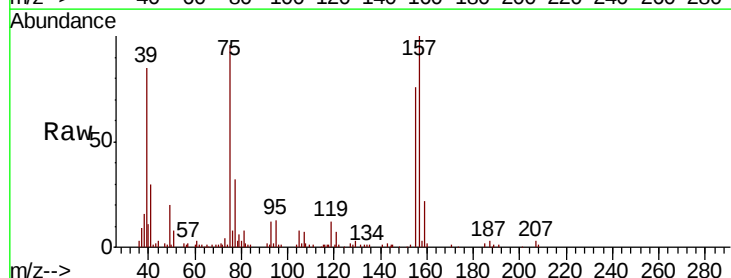
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

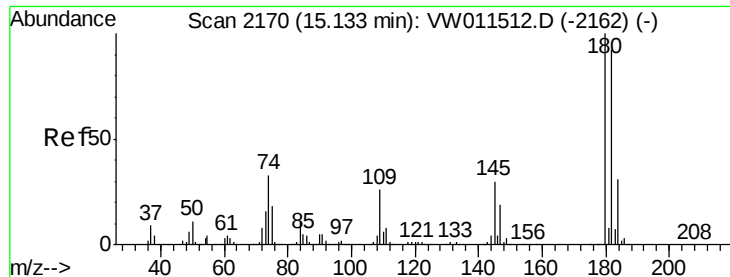
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	65.0
148	64.1	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.745 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	38.2	114.6
157	96.4	48.9	146.7

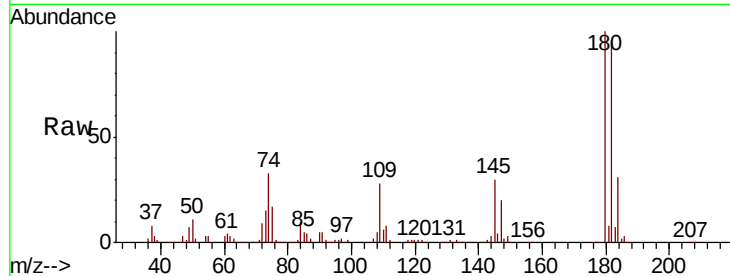




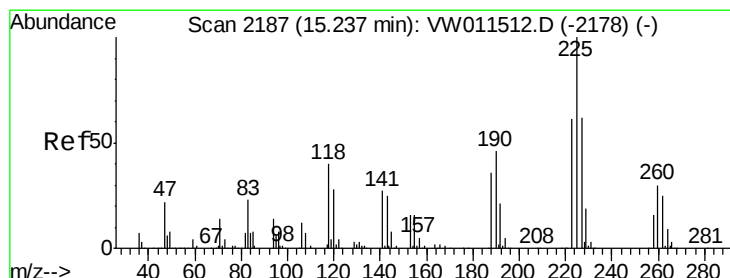
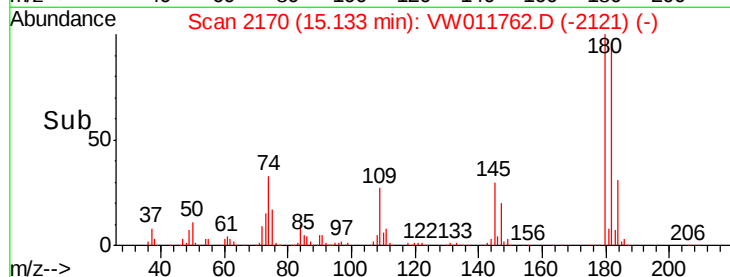
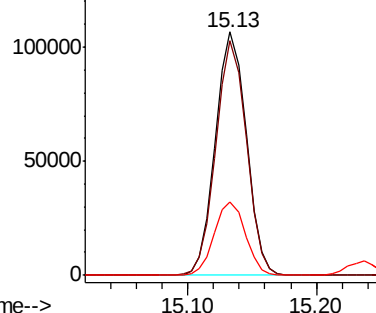
#93
 1,2,4-Trichlorobenzene
 Concen: 55.112 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 176846
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.4 142.2
 145 30.6 15.4 46.1

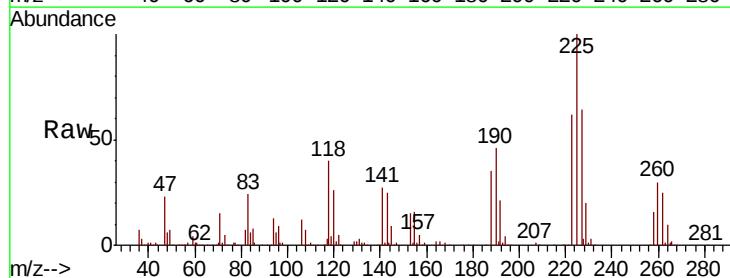


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

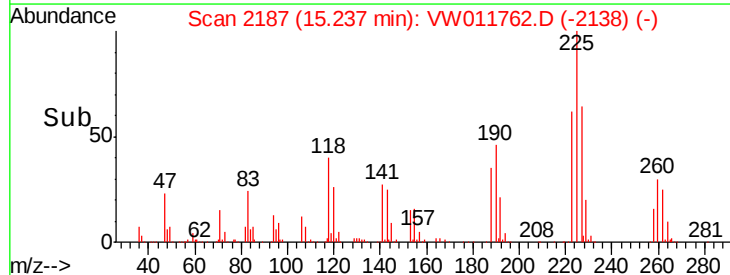
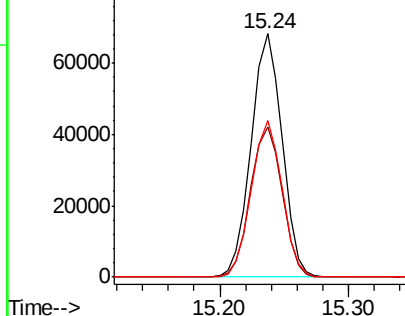


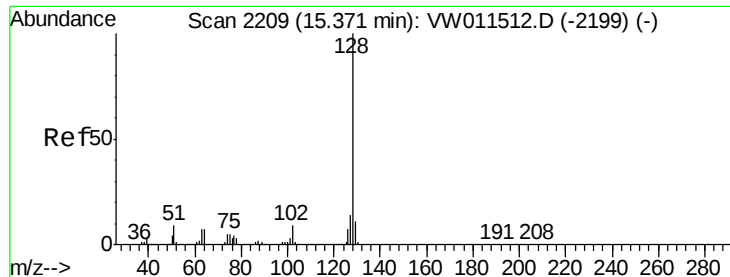
#94
 Hexachlorobutadiene
 Concen: 56.511 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011762.D
 Acq: 07 Aug 2019 19:56

Tgt Ion:225 Resp: 113085
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.8 92.3
 227 63.8 31.6 94.7



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

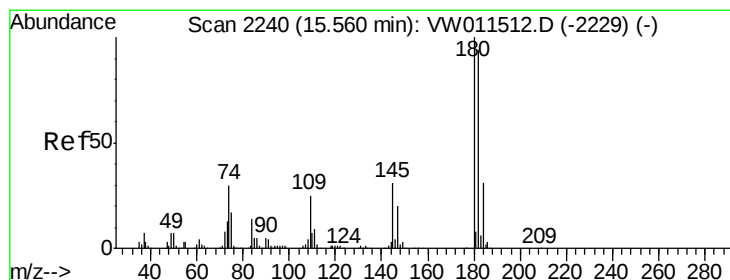
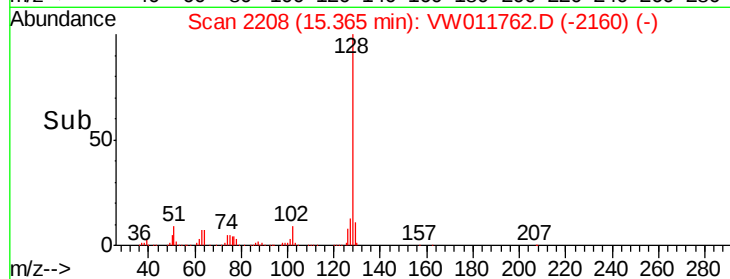
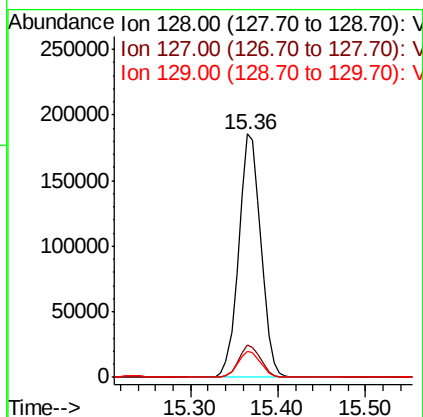
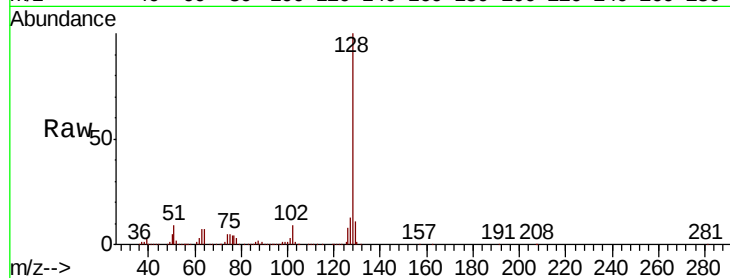




#95
Naphthalene
Concen: 51.916 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion:128 Resp: 326845
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 54.426 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011762.D
Acq: 07 Aug 2019 19:56

Tgt Ion:180 Resp: 153087
Ion Ratio Lower Upper
180 100
182 95.8 47.4 142.2
145 32.7 15.9 47.7

