

Data File : VW009243.D
Acq On : 19 Mar 2019 16:06
Operator : SY/VA
Sample : K1861-01
Misc : 5.06G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF-06-031119

Quant Time: Mar 20 07:31:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 07:22:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	938	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.85	114	1062	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.65	117	365	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-13.56

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	447	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	
35) Dibromofluoromethane	7.88	113	346	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
50) Toluene-d8	10.32	98	1052	42.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.94%	
62) 4-Bromofluorobenzene	12.63	95	98	10.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.13	85	25	1.524	ug/l #	41
3) Chloromethane	2.22	50	203	29.855	ug/l	92
4) Vinyl Chloride	2.49	62	35	3.507	ug/l #	42
5) Bromomethane	2.64	94	58	7.127	ug/l #	5
6) Chloroethane	2.87	64	22	2.841	ug/l #	1
7) Trichlorofluoromethane	3.25	101	20	3.059	ug/l #	19
8) Diethyl Ether	3.62	74	65	13.786	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	4.28	101	27	2.851	ug/l #	18
10) Methyl Iodide	4.31	142	20	1.465	ug/l #	39
11) Tert butyl alcohol	5.20	59	64	110.491	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	22	2.458	ug/l #	1
13) Acrolein	3.92	56	25	52.877	ug/l #	1
14) Allyl chloride	4.65	41	108	8.184	ug/l #	1
15) Acrylonitrile	5.42	53	97	48.954	ug/l #	33
16) Acetone	4.11	43	364	177.822	ug/l #	45
18) Methyl Acetate	4.68	43	87	16.560	ug/l #	54
19) Methyl tert-butyl Ether	5.40	73	49	4.460	ug/l #	55
20) Methylene Chloride	4.79	84	78	6.795	ug/l #	6
21) trans-1,2-Dichloroethene	5.32	96	29	3.149	ug/l #	1
22) Diisopropyl ether	6.34	45	29	1.019	ug/l #	34
23) Vinyl Acetate	6.26	43	31	1.737	ug/l #	74
24) 1,1-Dichloroethane	6.16	63	21	1.196	ug/l #	81
25) 2-Butanone	7.18	43	120	40.912	ug/l #	50
26) 2,2-Dichloropropane	7.03	77	80	8.154	ug/l #	52
27) cis-1,2-Dichloroethene	7.26	96	54	5.412	ug/l #	35
28) Bromochloromethane	7.51	49	41	5.324	ug/l #	14
29) Tetrahydrofuran	7.53	42	138	74.020	ug/l #	47
30) Chloroform	7.73	83	61	3.339	ug/l #	18
31) Cyclohexane	7.97	56	44	2.688	ug/l #	16
32) 1,1,1-Trichloroethane	7.91	97	23	1.577	ug/l #	23
36) 1,1-Dichloropropene	8.09	75	50	4.731	ug/l #	42
37) Ethyl Acetate	7.26	43	30	6.221	ug/l #	1
38) Carbon Tetrachloride	8.06	117	20	1.788	ug/l #	13
39) Methylcyclohexane	9.21	83	58	4.744	ug/l #	18

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.51	41	98	37.706	ug/l #	12
42) 1,2-Dichloroethane	8.36	62	22	2.348	ug/l #	76
43) Isopropyl Acetate	8.44	43	182	18.848	ug/l #	54
44) Trichloroethene	9.20	130	24	3.057	ug/l	2
45) 1,2-Dichloropropane	9.38	63	35	4.804	ug/l #	42
46) Dibromomethane	9.50	93	26	6.490	ug/l #	3
47) Bromodichloromethane	9.74	83	19	1.877	ug/l #	24
48) Methyl methacrylate	9.44	41	61	13.645	ug/l #	1
49) 1,4-Dioxane	9.30	88	21	337.962	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	42	8.346	ug/l #	1
52) Toluene	10.40	92	35	1.927	ug/l #	1
53) t-1,3-Dichloropropene	10.59	75	25	2.532	ug/l #	44
54) cis-1,3-Dichloropropene	10.17	75	29	2.611	ug/l #	72
55) 1,1,2-Trichloroethane	10.79	97	58	10.692	ug/l #	17
56) Ethyl methacrylate	10.64	69	31	4.799	ug/l #	1
57) 1,3-Dichloropropane	10.93	76	19	2.031	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.98	63	20	10.582	ug/l #	1
59) 2-Hexanone	11.01	43	64	18.732	ug/l	79
60) Dibromochloromethane	11.12	129	22	3.283	ug/l #	11
61) 1,2-Dibromoethane	10.99	107	21	4.065	ug/l #	3
64) Tetrachloroethene	11.13	164	97	38.805	ug/l #	1
65) Chlorobenzene	11.58	112	22	2.914	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	11.54	131	73	25.890	ug/l #	9
67) Ethyl Benzene	11.73	91	62	4.742	ug/l #	44
68) m/p-Xylenes	11.85	106	22	4.341	ug/l #	1
69) o-Xylene	12.21	106	40	8.500	ug/l #	1
70) Styrene	12.22	104	54	6.960	ug/l #	24
71) Bromoform	12.34	173	47	30.518	ug/l #	29

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

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Instrument :
MSVOA_W
ClientSampleId :
BF-06-031119

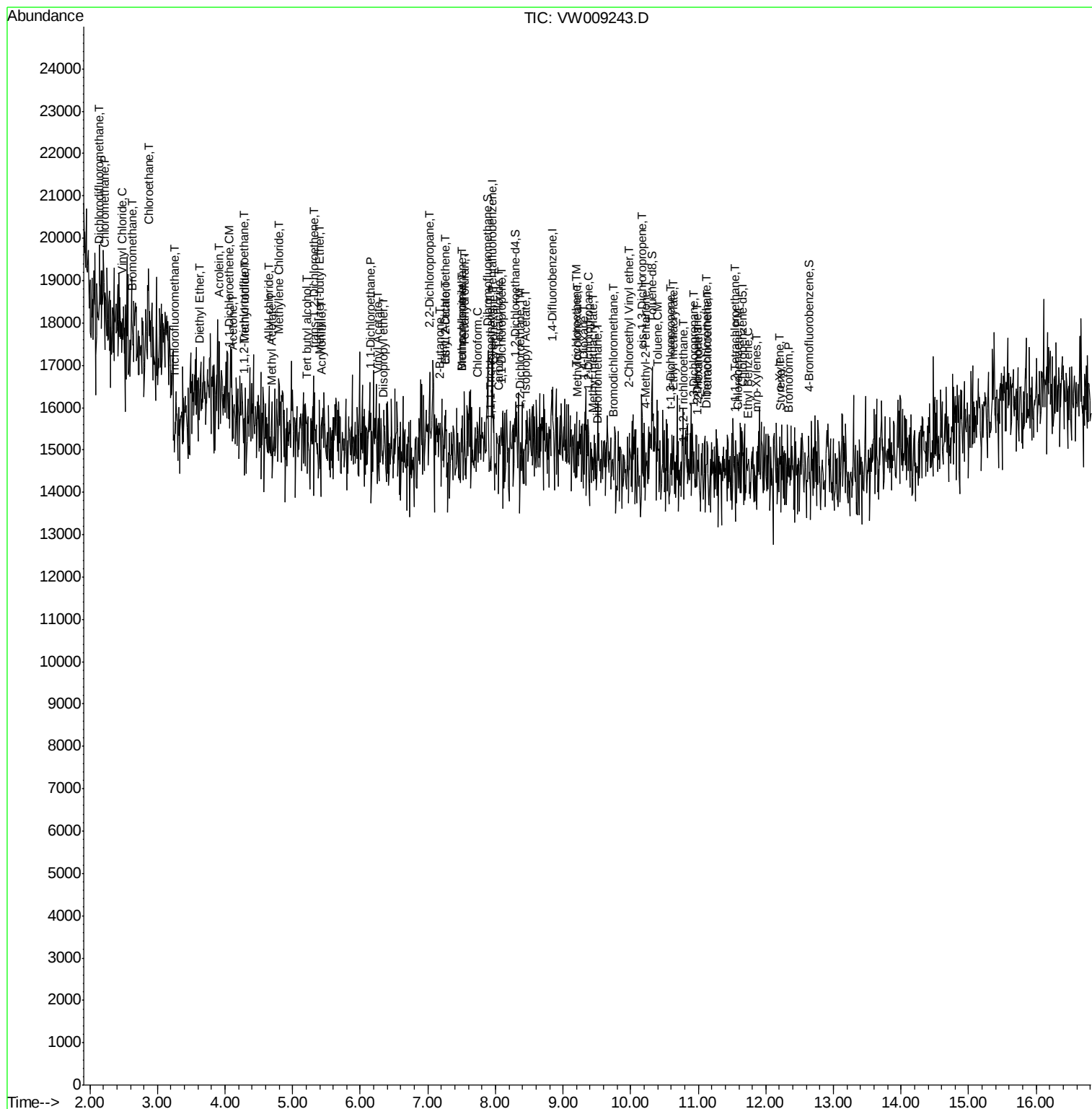
Quant Time: Mar 20 07:31:47 2019

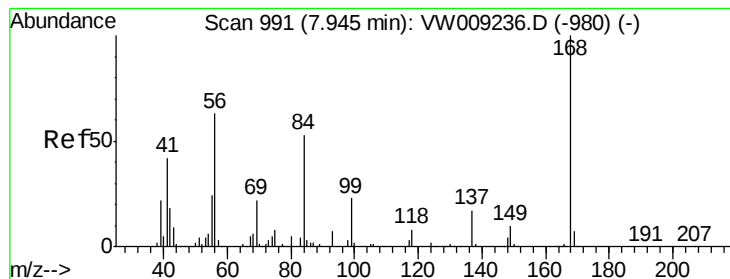
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W031919S.M

Quant Title : SW846 8260

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

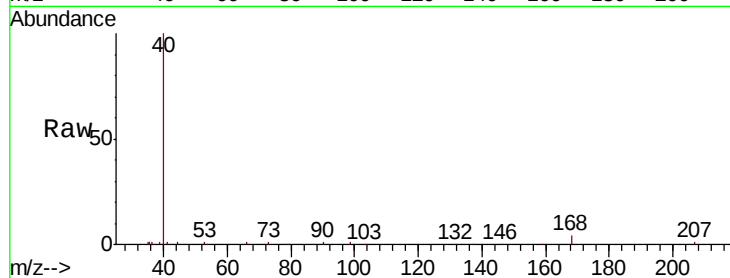
BF-06-031119

Tgt Ion:168 Resp: 938

Ion Ratio Lower Upper

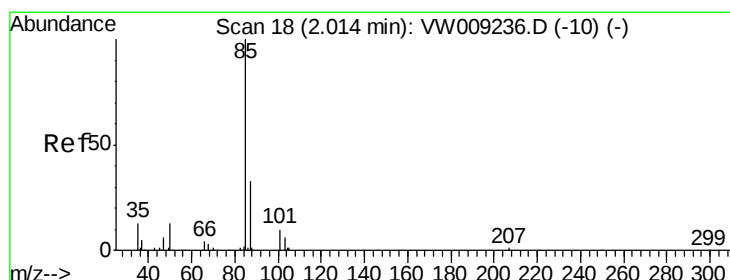
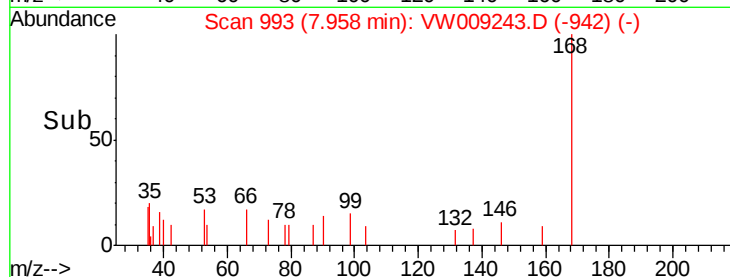
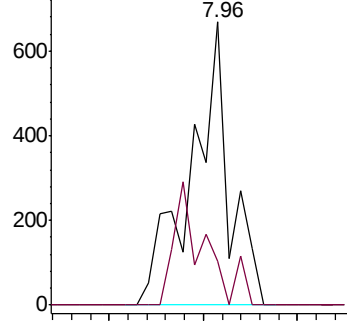
168 100

99 15.4 45.4 68.0#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 1.524 ug/l

RT: 2.13 min Scan# 37

Delta R.T. 0.12 min

Lab File: VW009243.D

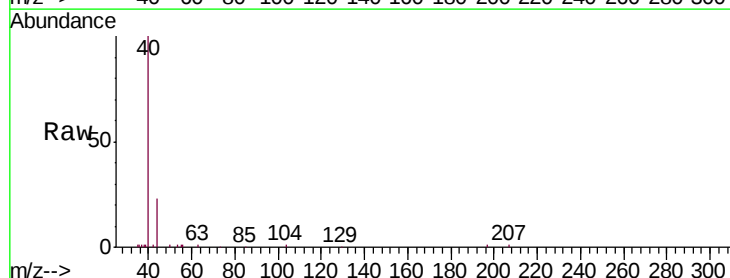
Acq: 19 Mar 2019 16:06

Tgt Ion: 85 Resp: 25

Ion Ratio Lower Upper

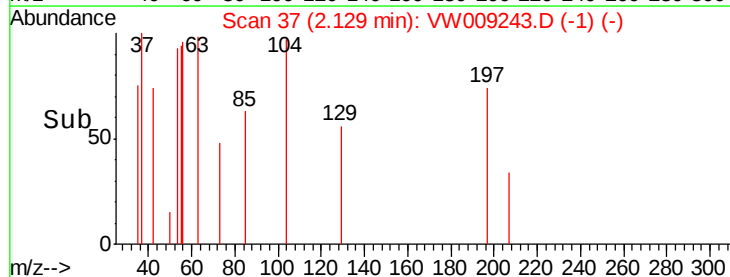
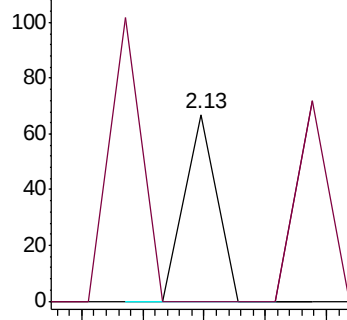
85 100

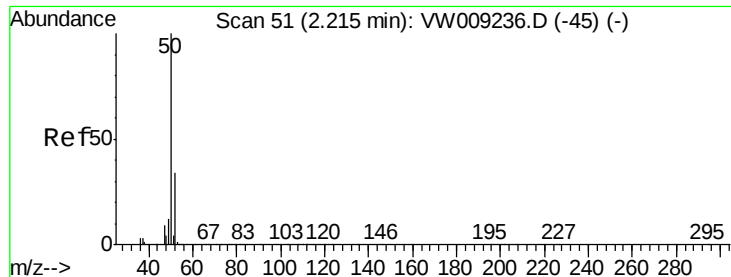
87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 29.855 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

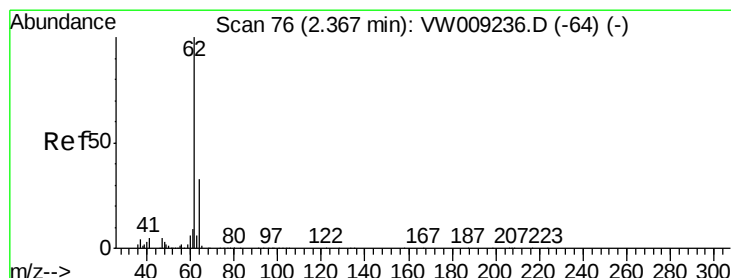
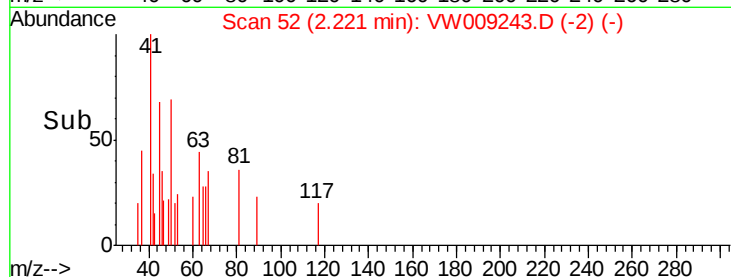
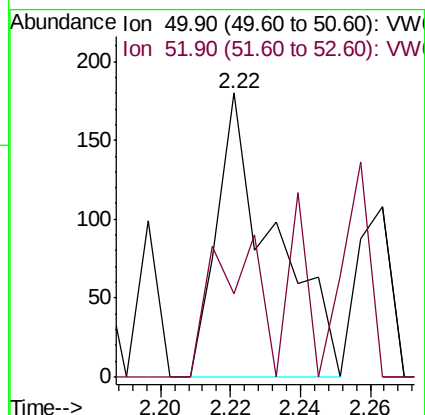
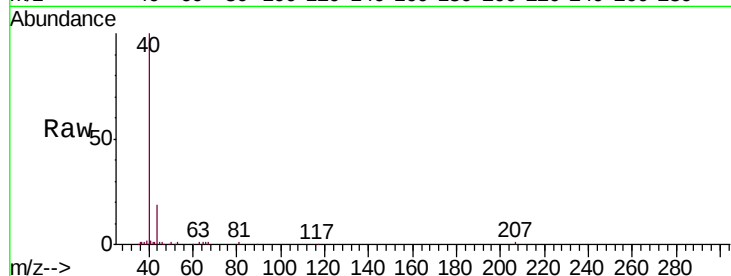
BF-06-031119

Tgt Ion: 50 Resp: 203

Ion Ratio Lower Upper

50 100

52 29.4 27.2 40.8



#4

Vinyl Chloride

Concen: 3.507 ug/l

RT: 2.49 min Scan# 96

Delta R.T. 0.12 min

Lab File: VW009243.D

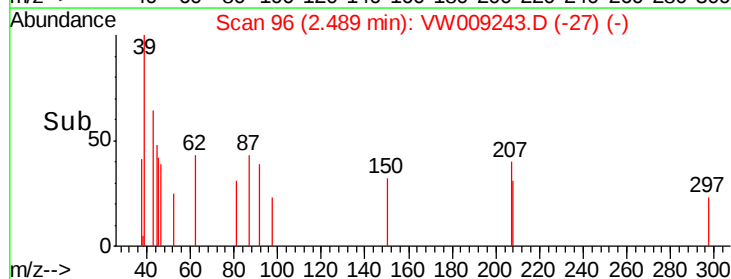
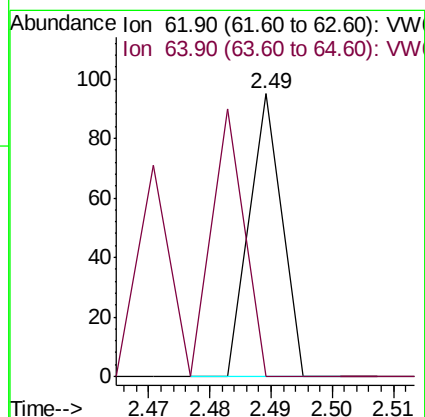
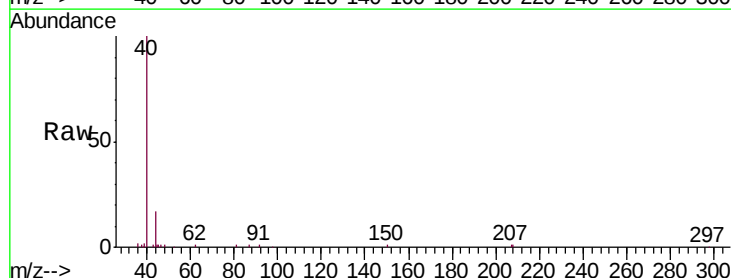
Acq: 19 Mar 2019 16:06

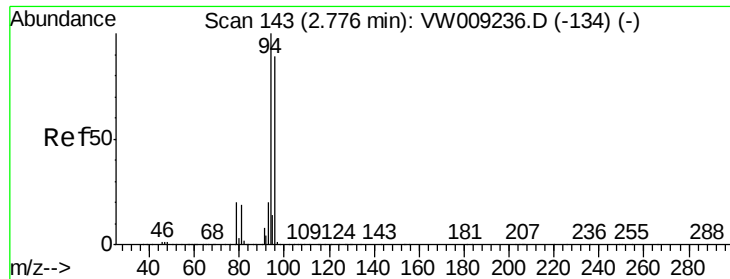
Tgt Ion: 62 Resp: 35

Ion Ratio Lower Upper

62 100

64 0.0 26.2 39.2#





#5

Bromomethane

Concen: 7.127 ug/l

RT: 2.64 min Scan# 120

Delta R.T. -0.14 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

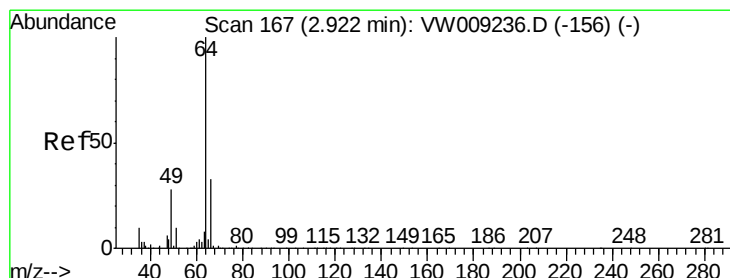
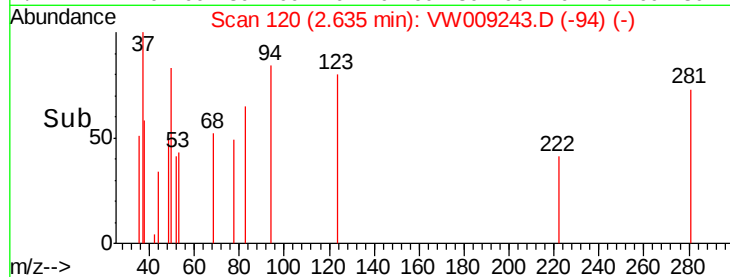
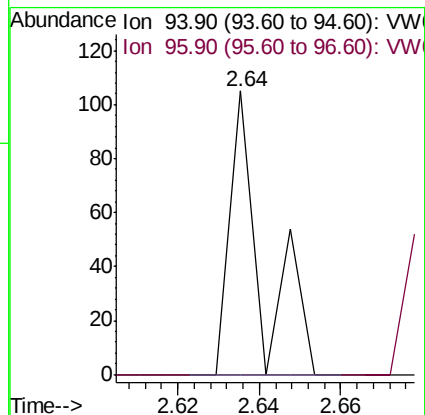
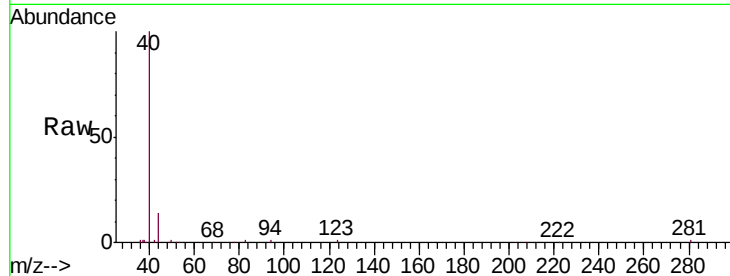
BF-06-031119

Tgt Ion: 94 Resp: 58

Ion Ratio Lower Upper

94 100

96 0.0 71.4 107.2#



#6

Chloroethane

Concen: 2.841 ug/l

RT: 2.87 min Scan# 159

Delta R.T. -0.05 min

Lab File: VW009243.D

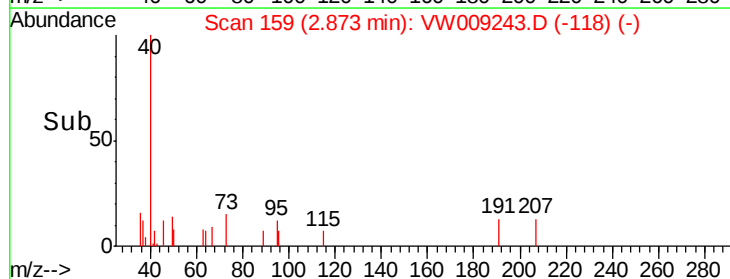
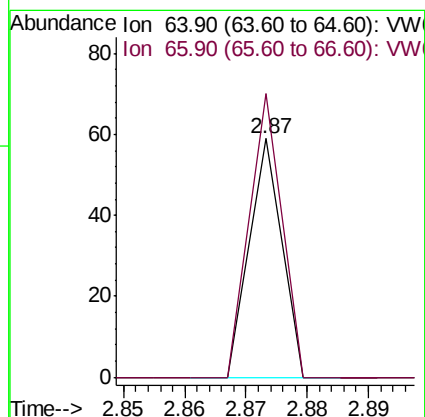
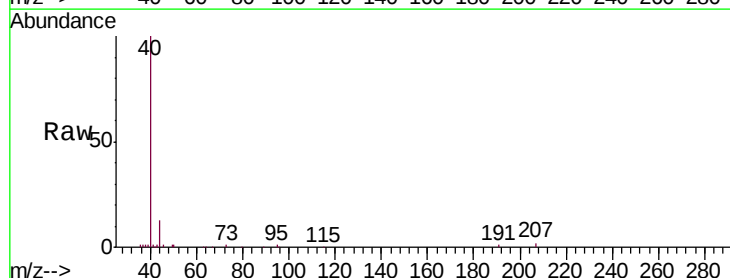
Acq: 19 Mar 2019 16:06

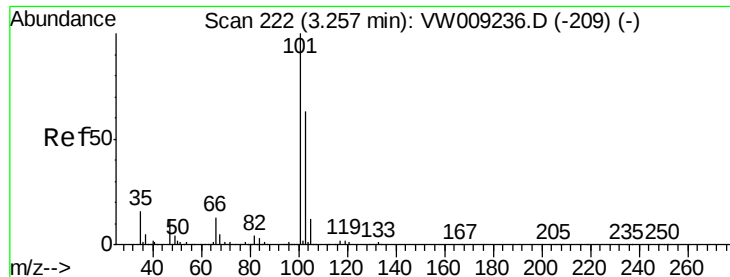
Tgt Ion: 64 Resp: 22

Ion Ratio Lower Upper

64 100

66 118.6 26.2 39.2#



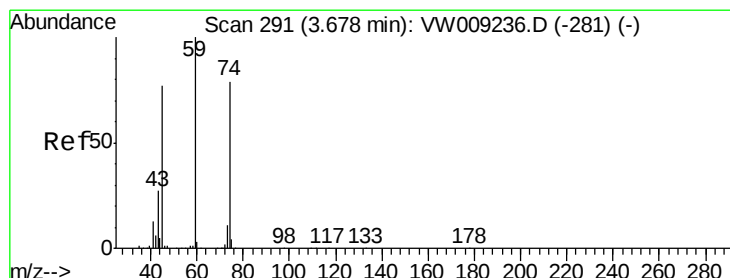
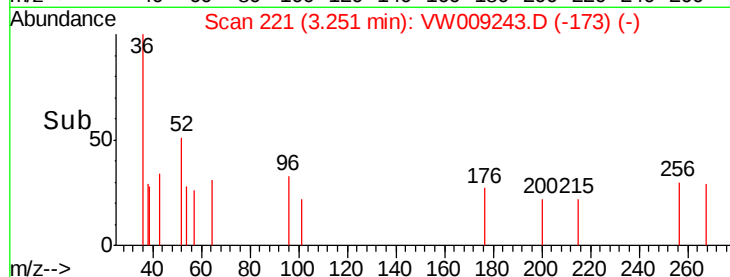
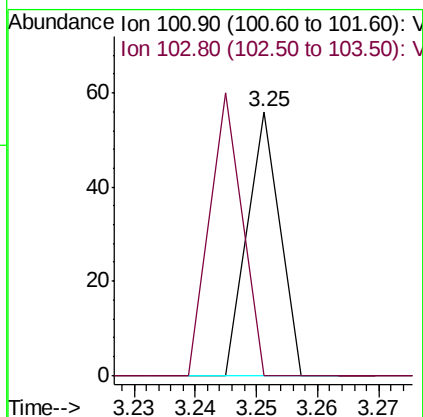
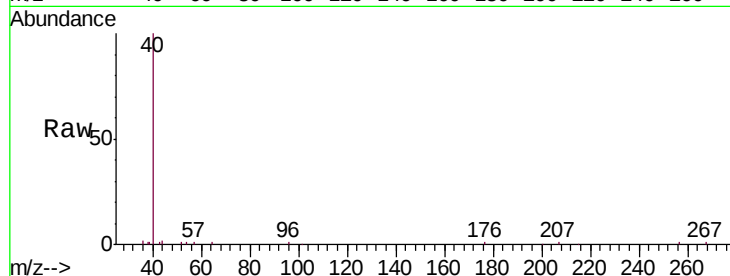


#7

Trichlorofluoromethane
Concen: 3.059 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

Instrument :
MSVOA_W
ClientSampleId :
BF-06-031119

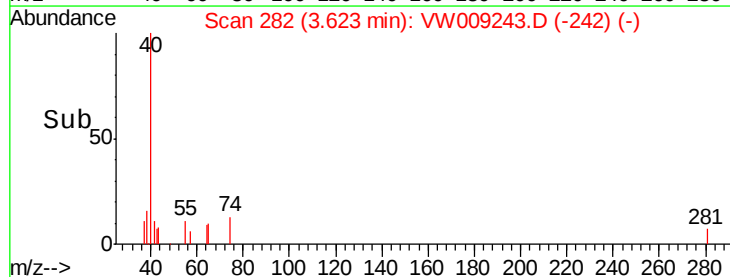
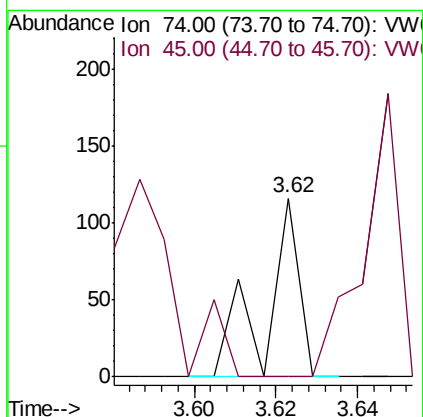
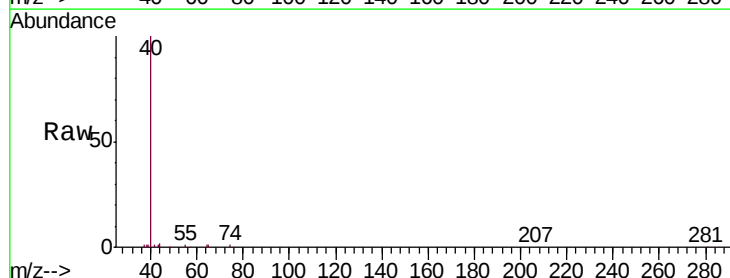
Tgt Ion: 101 Resp: 20
Ion Ratio Lower Upper
101 100
103 0.0 50.5 75.7#

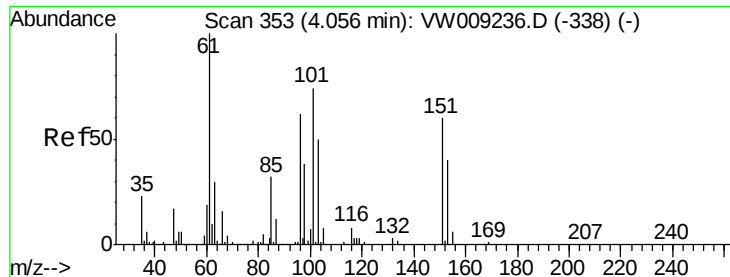


#8

Diethyl Ether
Concen: 13.786 ug/l
RT: 3.62 min Scan# 282
Delta R.T. -0.05 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

Tgt Ion: 74 Resp: 65
Ion Ratio Lower Upper
74 100
45 0.0 50.6 151.9#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.851 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.22 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

BF-06-031119

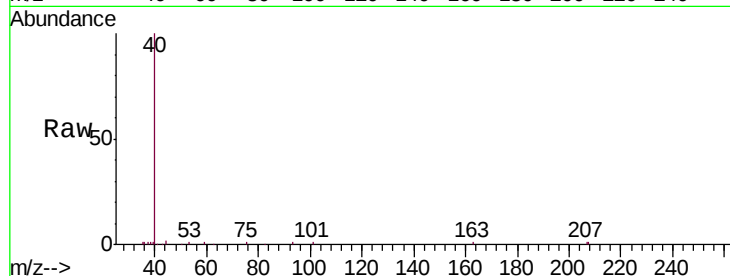
Tgt Ion:101 Resp: 27

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

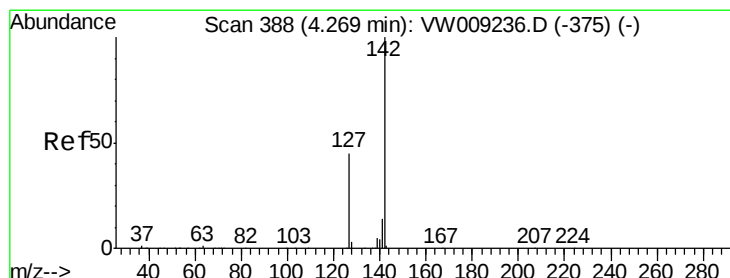
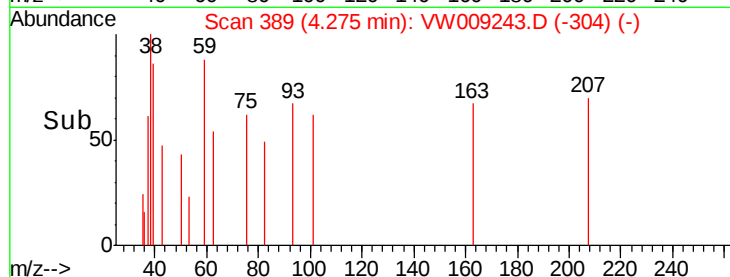
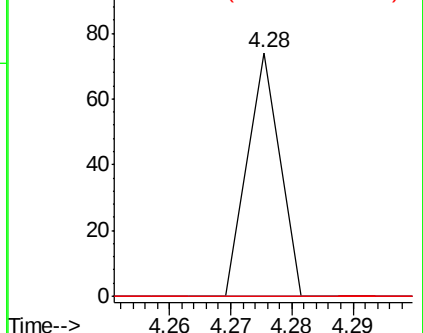
151 0.0 62.9 94.3#



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: 1.465 ug/l

RT: 4.31 min Scan# 394

Delta R.T. 0.04 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

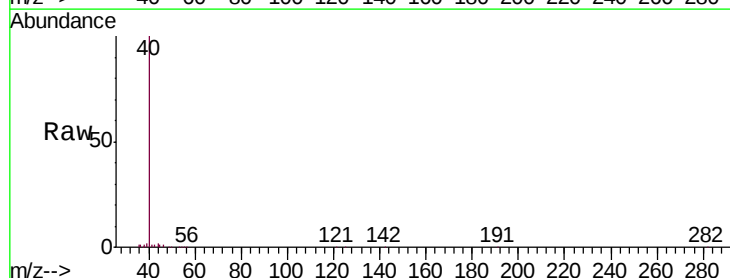
Tgt Ion:142 Resp: 20

Ion Ratio Lower Upper

142 100

127 0.0 35.9 53.9#

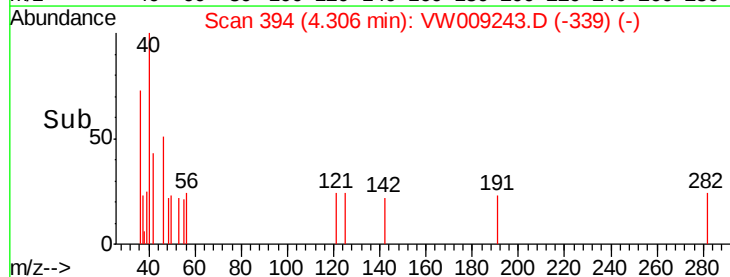
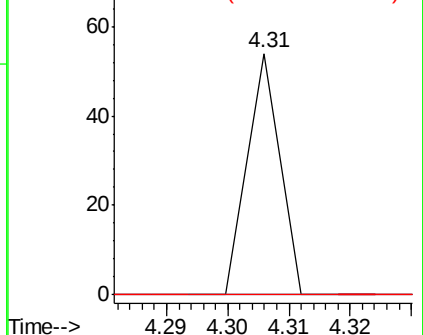
141 0.0 11.4 17.2#

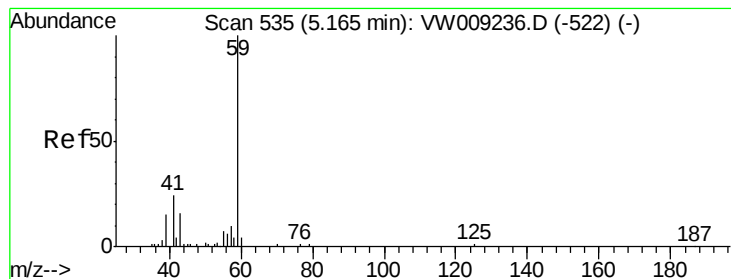


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



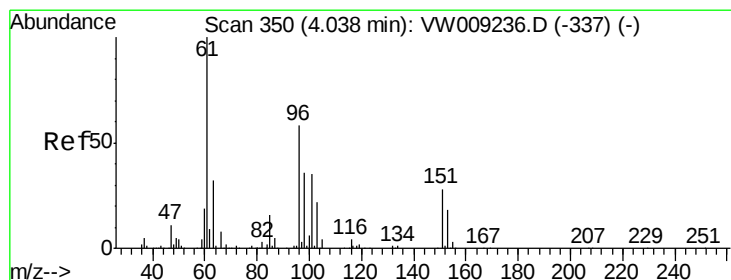
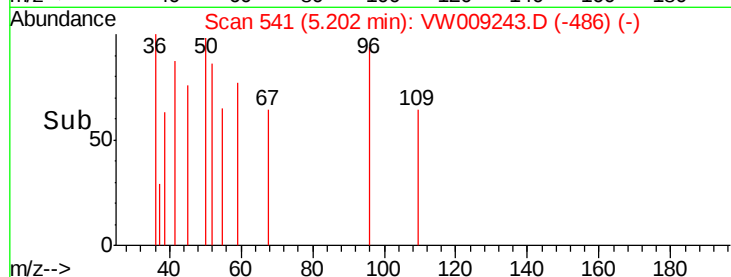
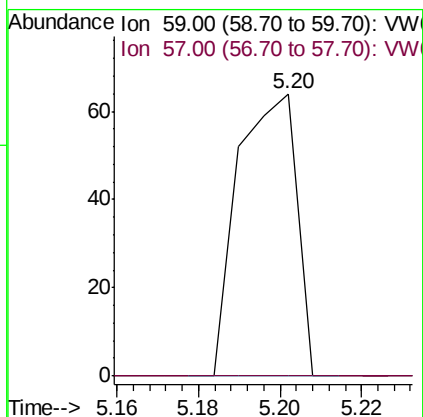
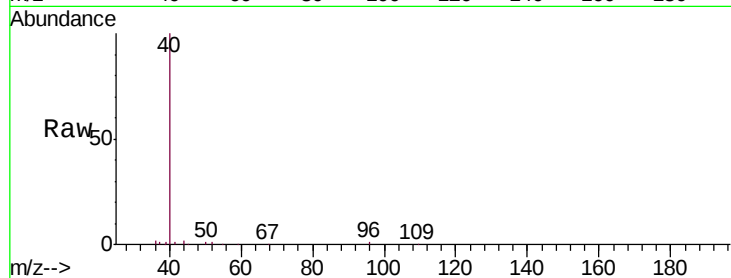


#11

Tert butyl alcohol
 Concen: 110.491 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.04 min
 Lab File: VW009243.D
 Acq: 19 Mar 2019 16:06

Instrument :
 MSVOA_W
 ClientSampleId :
 BF-06-031119

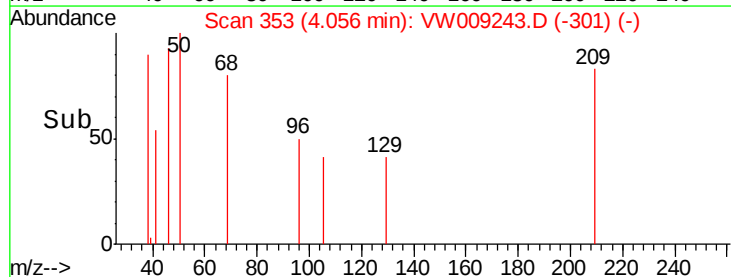
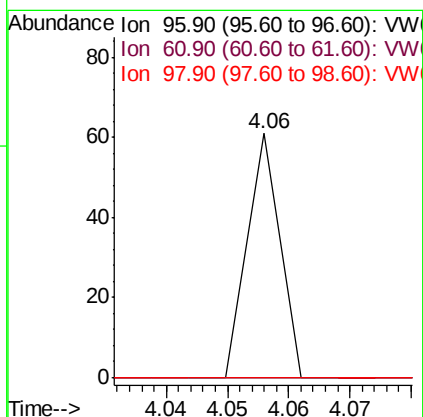
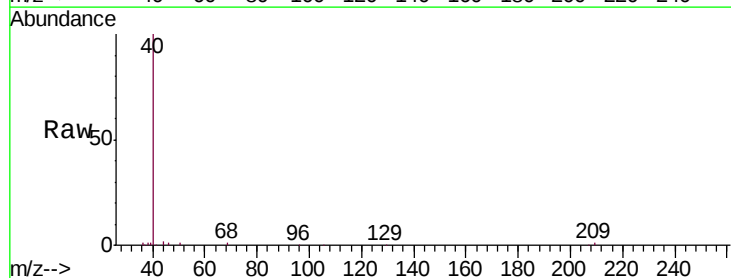
Tgt Ion: 59 Resp: 64
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.4 14.0#

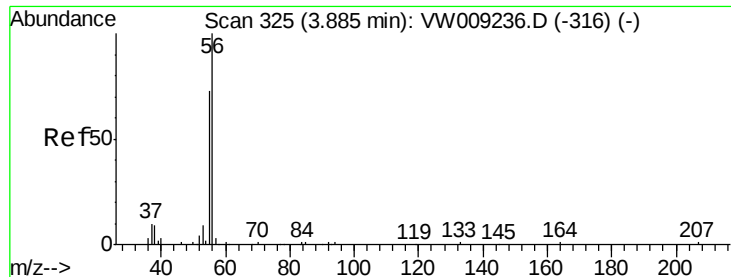


#12

1,1-Dichloroethene
 Concen: 2.458 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. 0.02 min
 Lab File: VW009243.D
 Acq: 19 Mar 2019 16:06

Tgt Ion: 96 Resp: 22
 Ion Ratio Lower Upper
 96 100
 61 0.0 138.0 207.0#
 98 0.0 49.8 74.8#





#13

Acrolein

Concen: 52.877 ug/l

RT: 3.92 min Scan# 331

Delta R.T. 0.04 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

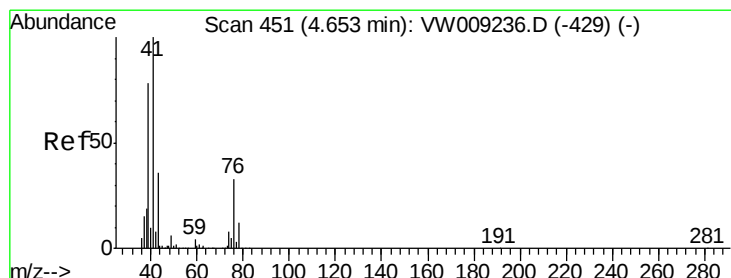
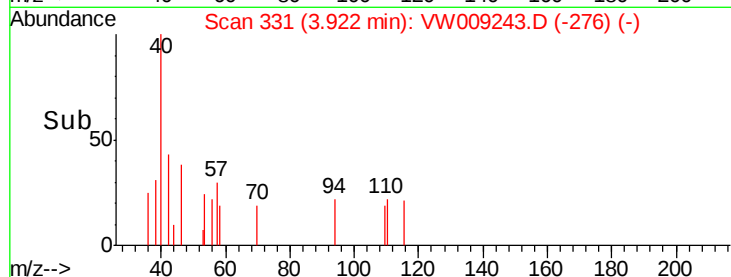
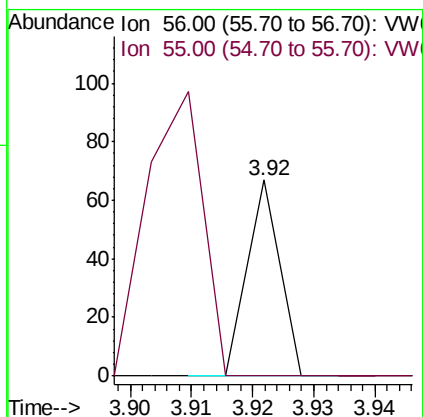
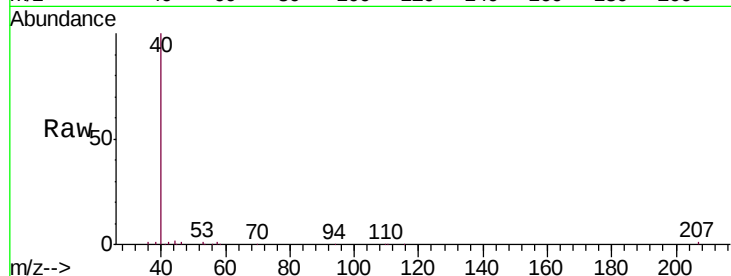
BF-06-031119

Tgt Ion: 56 Resp: 25

Ion Ratio Lower Upper

56 100

55 248.0 55.2 82.8#



#14

Allyl chloride

Concen: 8.184 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

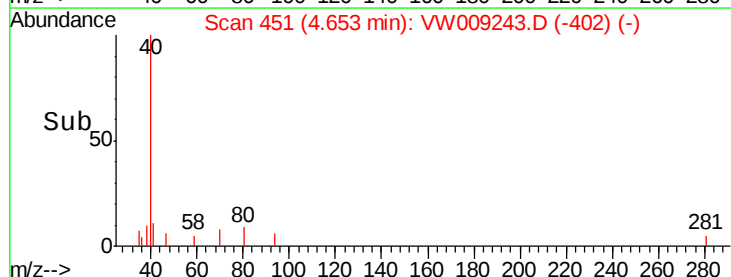
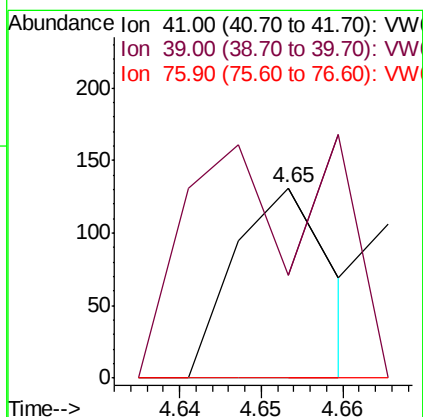
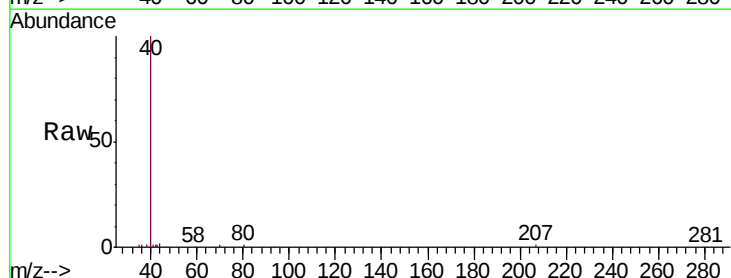
Tgt Ion: 41 Resp: 108

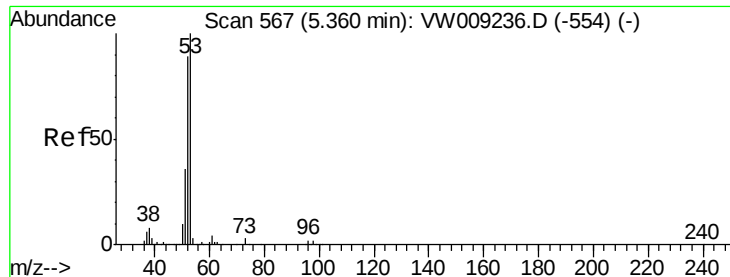
Ion Ratio Lower Upper

41 100

39 231.5 63.8 95.6#

76 0.0 27.8 41.6#





#15

Acrylonitrile

Concen: 48.954 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.06 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

BF-06-031119

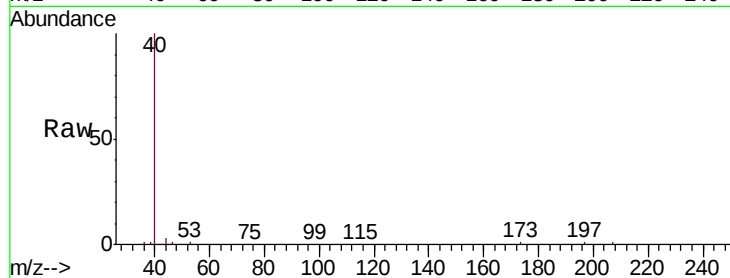
Tgt Ion: 53 Resp: 97

Ion Ratio Lower Upper

53 100

52 0.0 67.6 101.4#

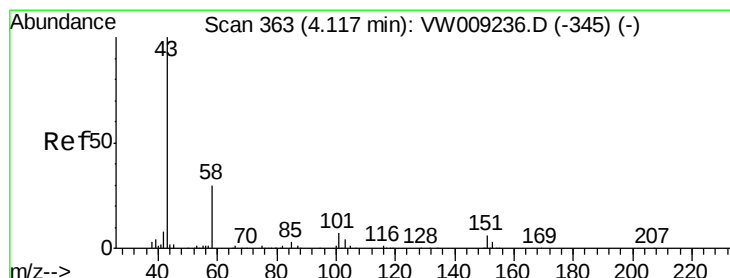
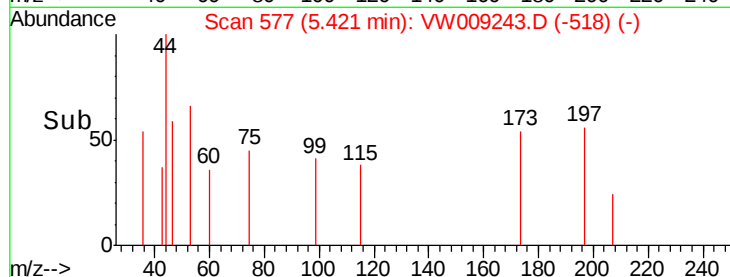
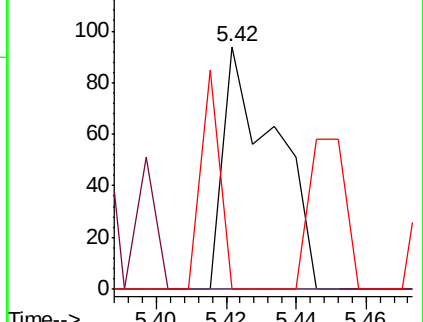
51 32.0 30.6 45.8



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: 177.822 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW009243.D

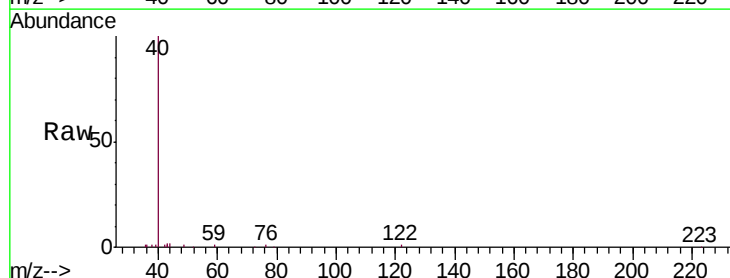
Acq: 19 Mar 2019 16:06

Tgt Ion: 43 Resp: 364

Ion Ratio Lower Upper

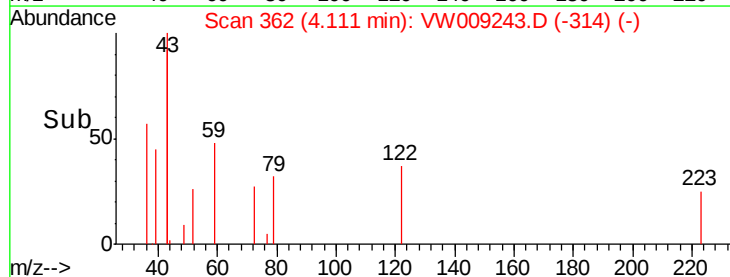
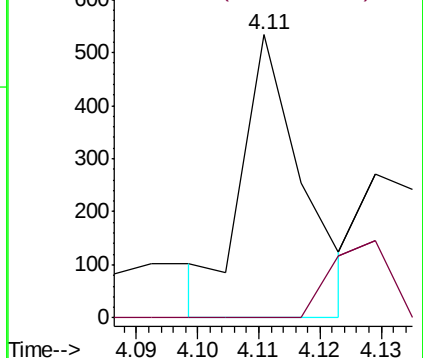
43 100

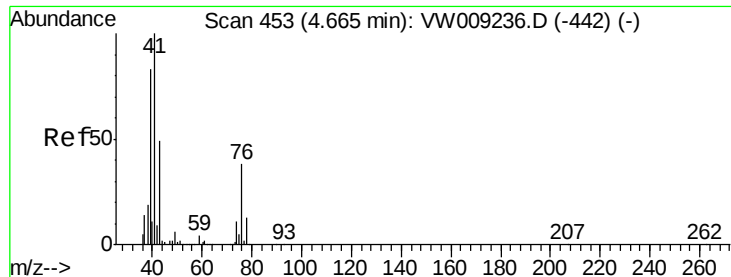
58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

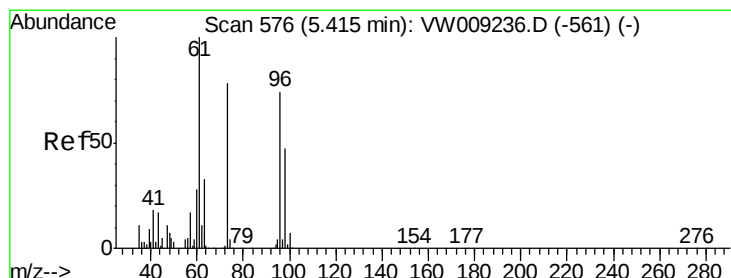
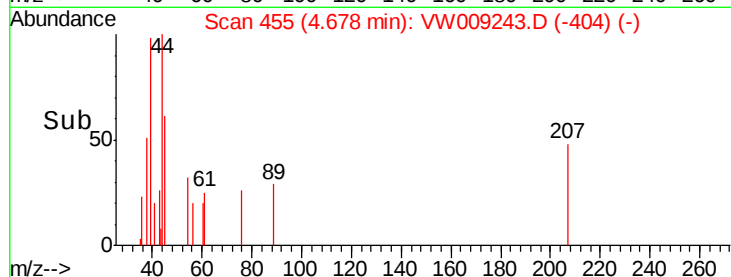
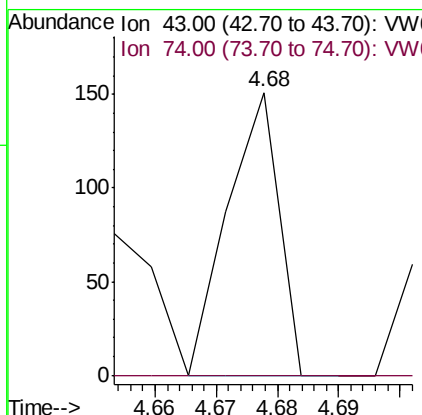
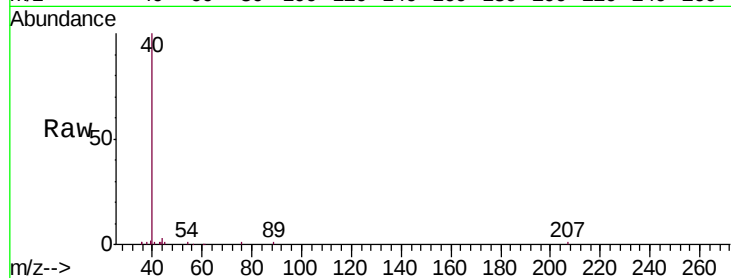




#18
Methyl Acetate
Concen: 16.560 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

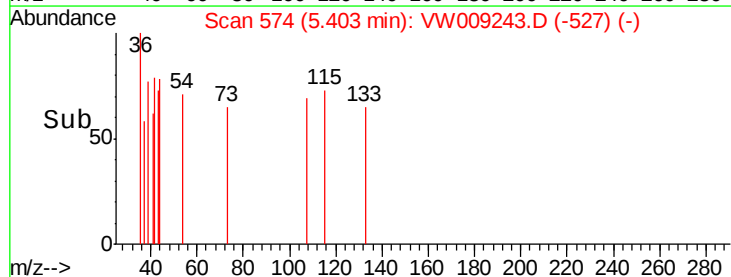
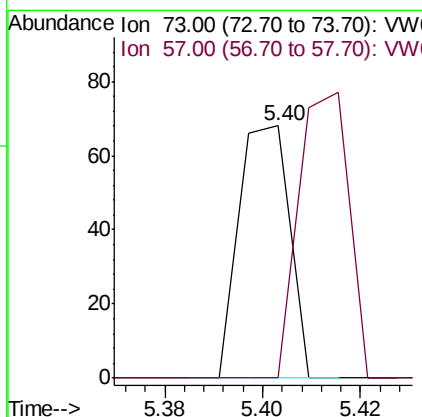
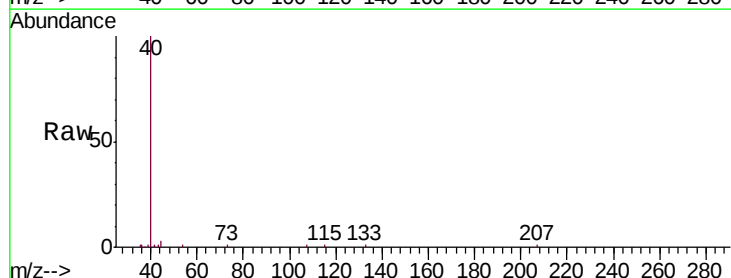
Instrument :
MSVOA_W
ClientSampleId :
BF-06-031119

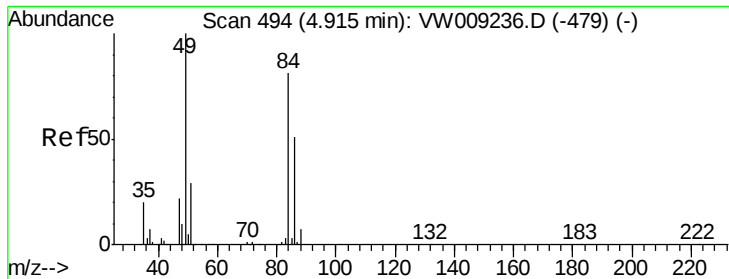
Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#19
Methyl tert-butyl Ether
Concen: 4.460 ug/l
RT: 5.40 min Scan# 574
Delta R.T. -0.01 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

Tgt Ion: 73 Resp: 49
Ion Ratio Lower Upper
73 100
57 0.0 17.0 25.6#





#20

Methylene Chloride

Concen: 6.795 ug/l

RT: 4.79 min Scan# 474

Delta R.T. -0.12 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

BF-06-031119

Tgt Ion: 84 Resp: 78

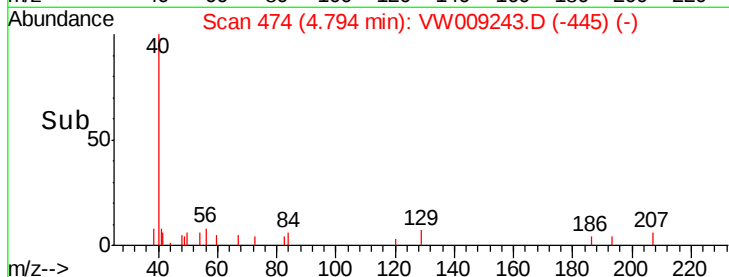
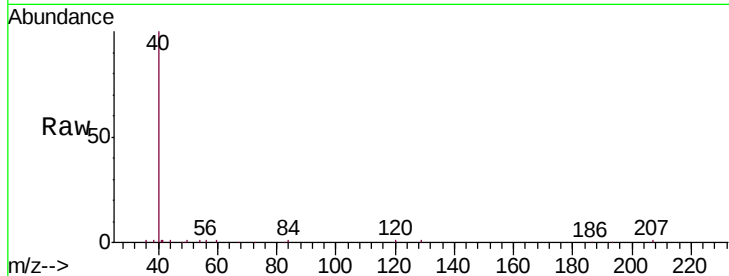
Ion Ratio Lower Upper

84 100

49 0.0 99.1 148.7#

51 0.0 28.7 43.1#

86 0.0 50.5 75.7#

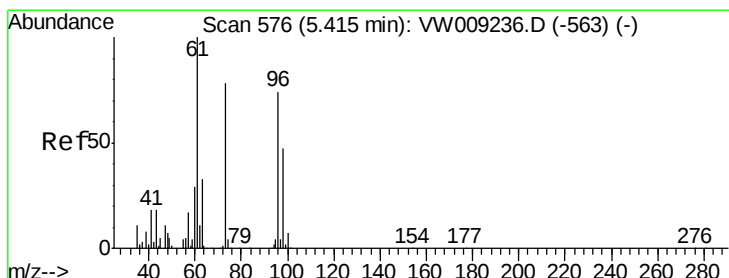
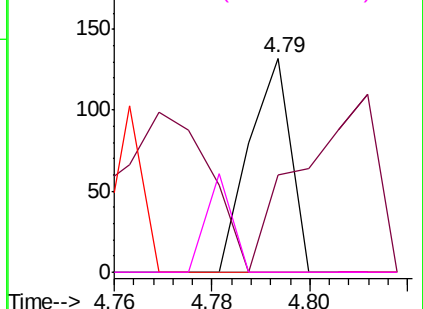


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#21

trans-1,2-Dichloroethene

Concen: 3.149 ug/l

RT: 5.32 min Scan# 561

Delta R.T. -0.09 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

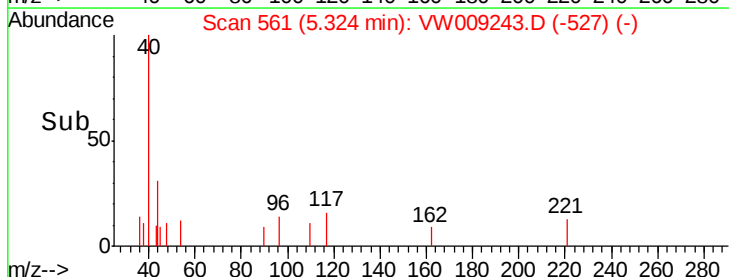
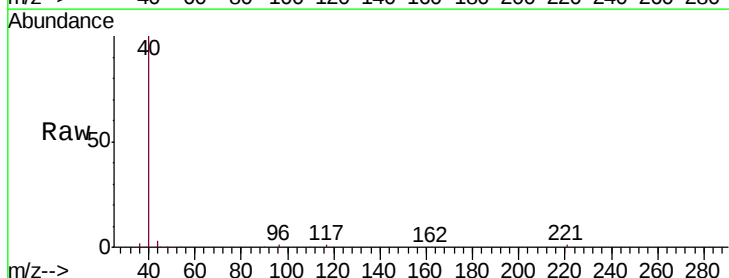
Tgt Ion: 96 Resp: 29

Ion Ratio Lower Upper

96 100

61 0.0 108.2 162.4#

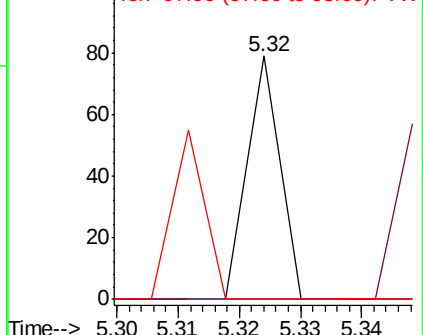
98 0.0 50.9 76.3#

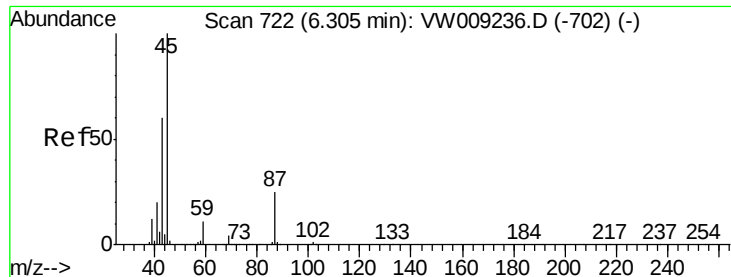


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

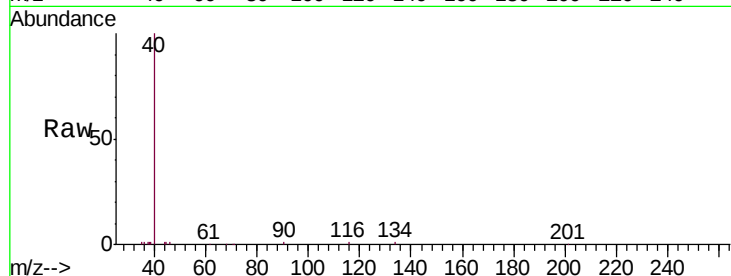




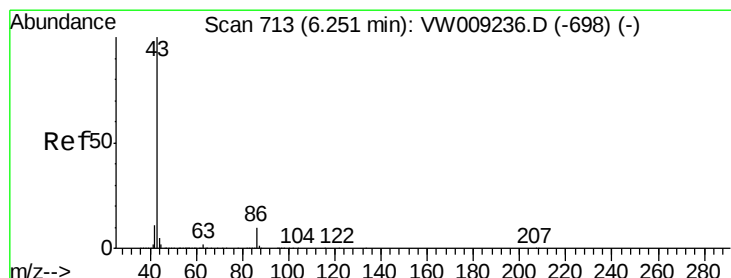
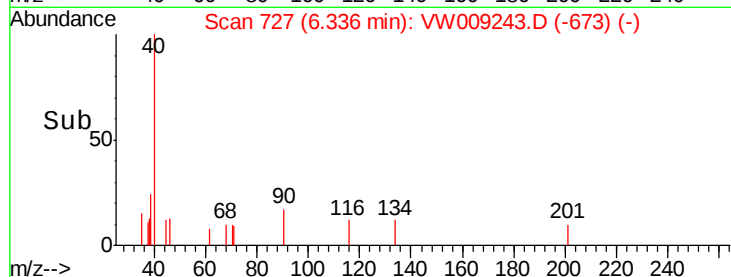
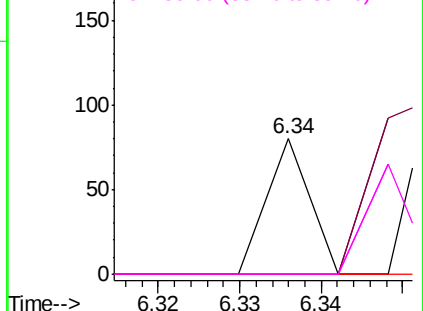
#22
Diisopropyl ether
Concen: 1.019 ug/l
RT: 6.34 min Scan# 727
Delta R.T. 0.03 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

Instrument :
MSVOA_W
ClientSampleId :
BF-06-031119

Tgt Ion:	45	Resp:	29
Ion	Ratio	Lower	Upper
45	100		
43	0.0	47.9	71.9#
87	0.0	20.6	30.8#
59	0.0	9.0	13.4#

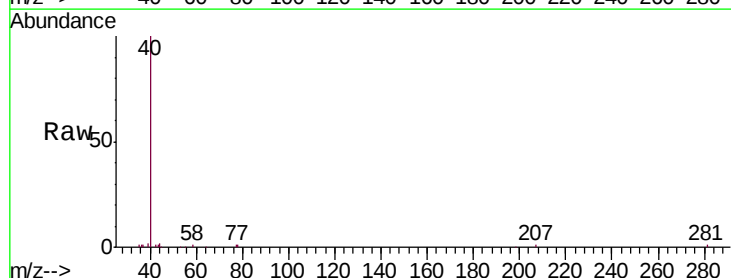


Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW

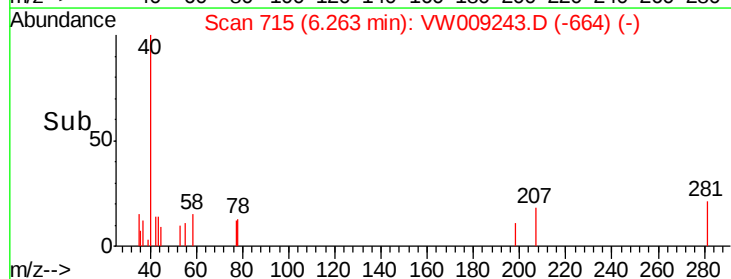
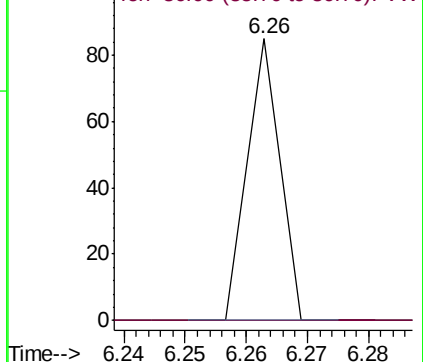


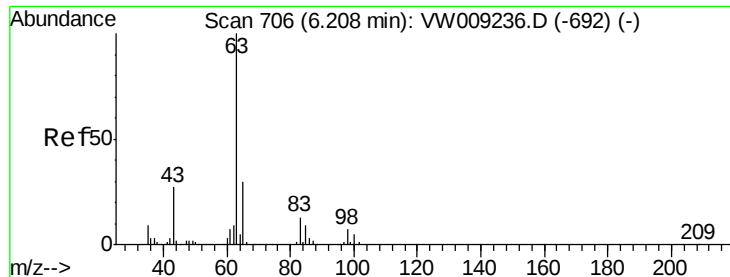
#23
Vinyl Acetate
Concen: 1.737 ug/l
RT: 6.26 min Scan# 715
Delta R.T. 0.01 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

Tgt Ion:	43	Resp:	31
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.7	11.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 1.196 ug/l

RT: 6.16 min Scan# 698

Delta R.T. -0.05 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

BF-06-031119

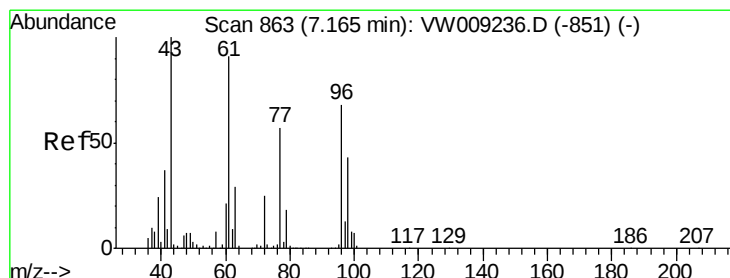
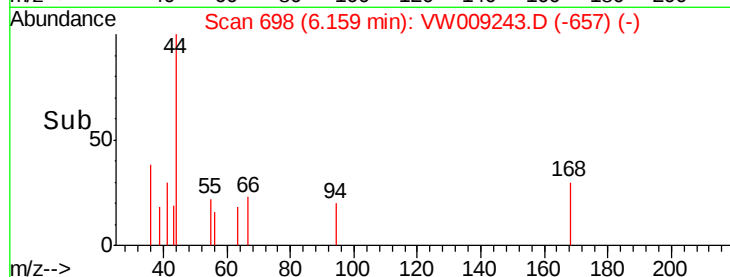
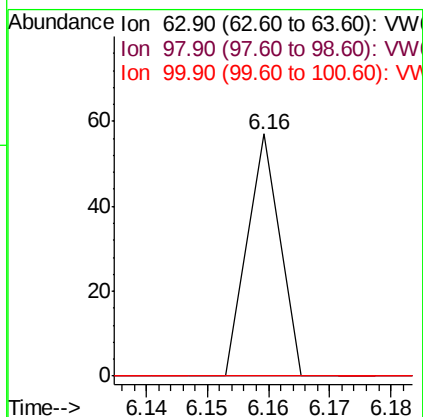
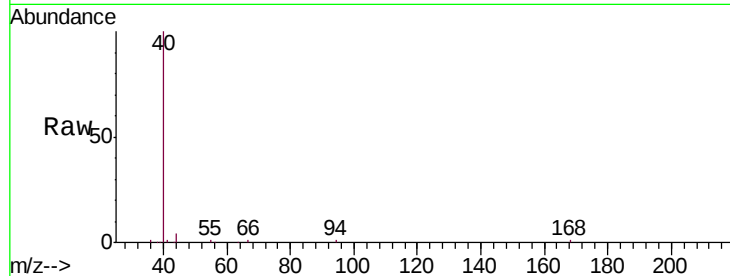
Tgt Ion: 63 Resp: 21

Ion Ratio Lower Upper

63 100

98 0.0 3.7 11.1#

100 0.0 2.4 7.1#



#25

2-Butanone

Concen: 40.912 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW009243.D

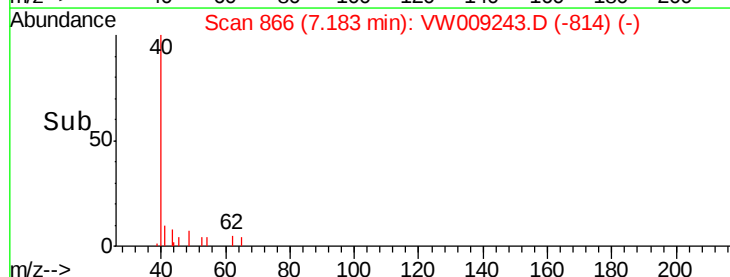
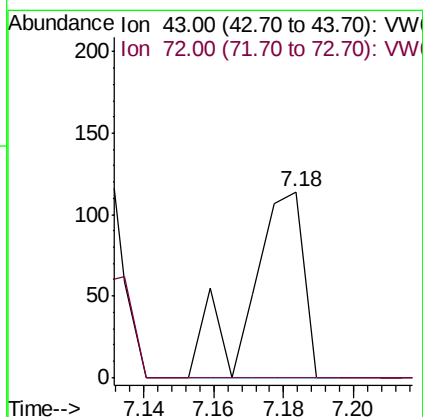
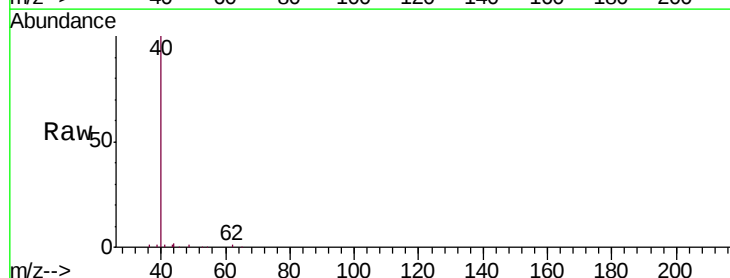
Acq: 19 Mar 2019 16:06

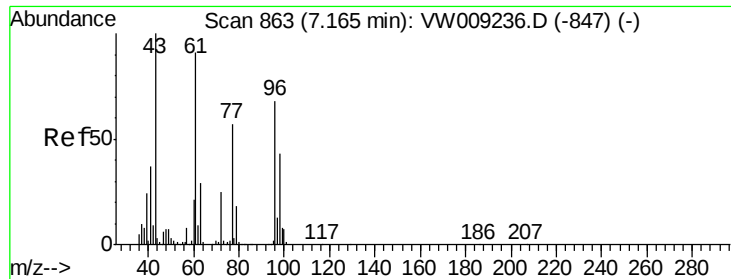
Tgt Ion: 43 Resp: 120

Ion Ratio Lower Upper

43 100

72 0.0 20.0 30.0#

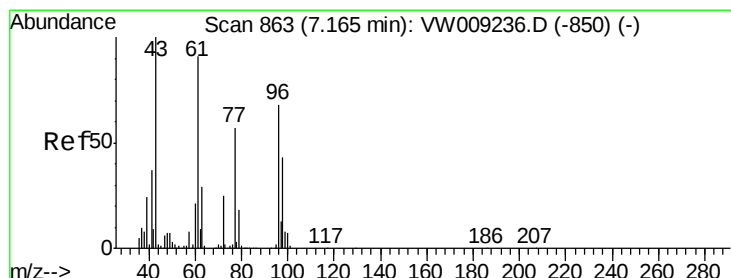
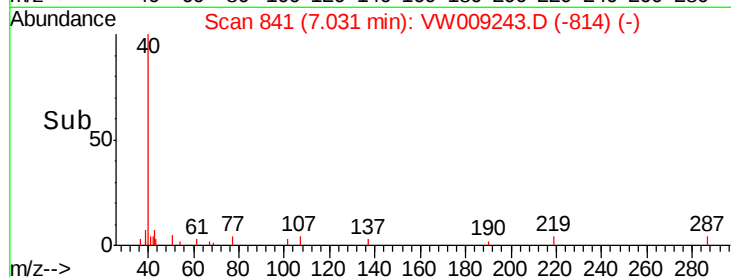
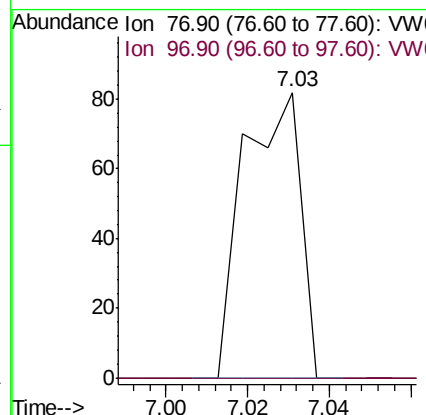
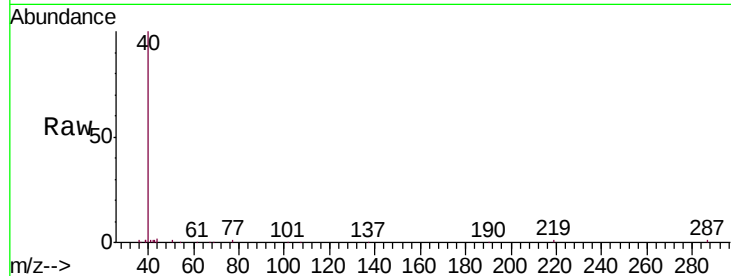




#26
 2,2-Dichloropropane
 Concen: 8.154 ug/l
 RT: 7.03 min Scan# 841
 Delta R.T. -0.13 min
 Lab File: VW009243.D
 Acq: 19 Mar 2019 16:06

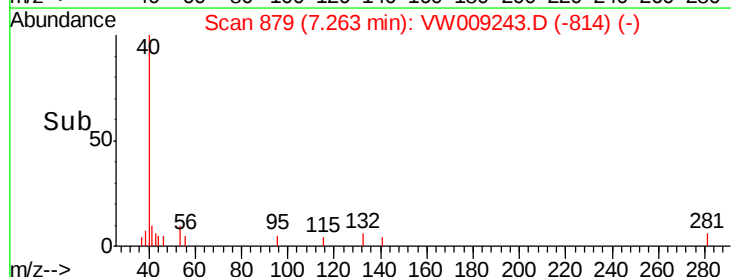
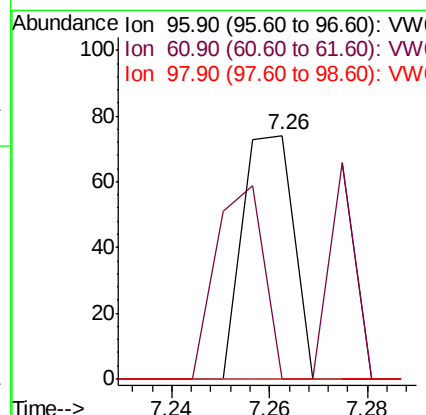
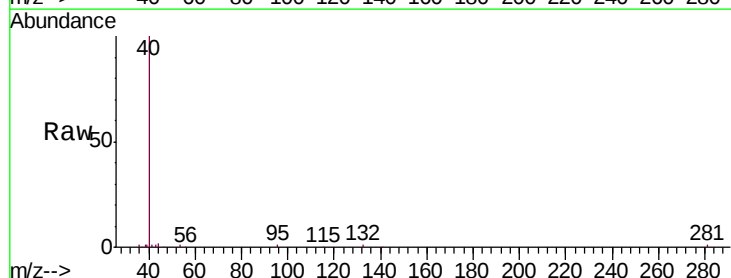
Instrument :
 MSVOA_W
 ClientSampleId :
 BF-06-031119

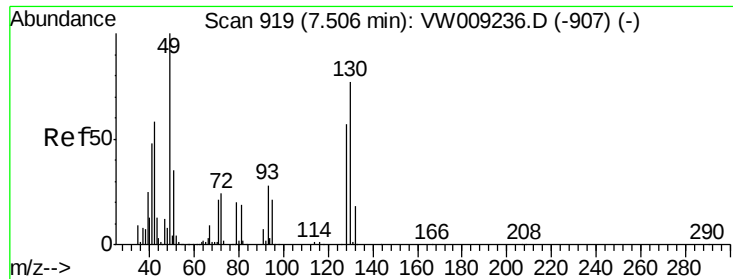
Tgt Ion: 77 Resp: 80
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.6 34.7#



#27
 cis-1,2-Dichloroethene
 Concen: 5.412 ug/l
 RT: 7.26 min Scan# 879
 Delta R.T. 0.10 min
 Lab File: VW009243.D
 Acq: 19 Mar 2019 16:06

Tgt Ion: 96 Resp: 54
 Ion Ratio Lower Upper
 96 100
 61 74.1 0.0 289.8
 98 0.0 0.0 130.8





#28

Bromochloromethane

Concen: 5.324 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

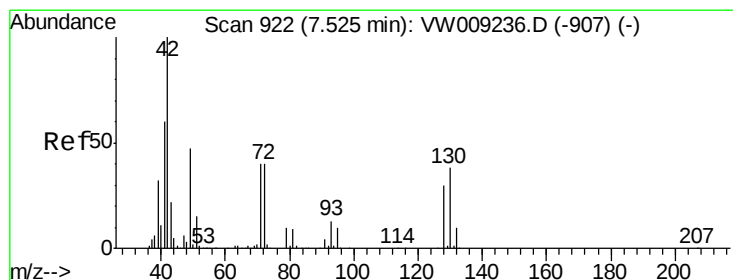
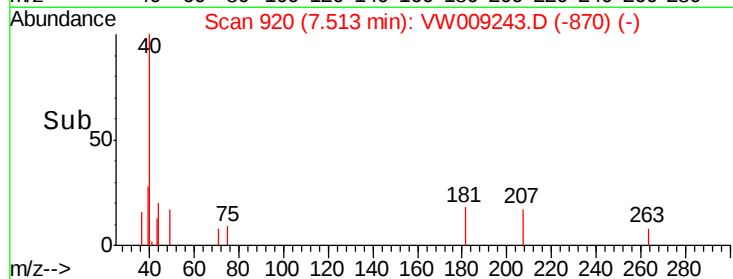
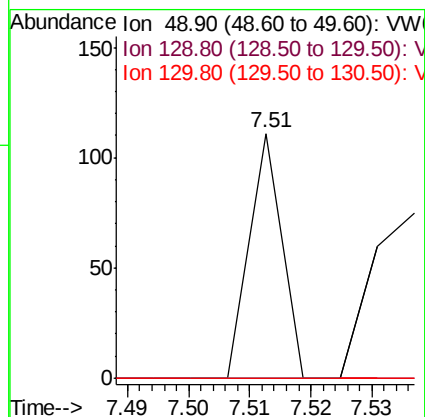
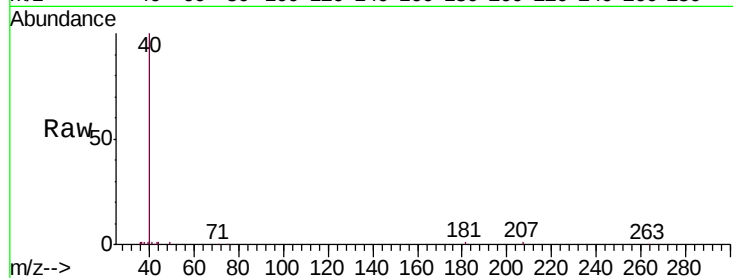
Instrument :

MSVOA_W

ClientSampled :

BF-06-031119

Tgt Ion:	49	Resp:	41
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.4
130	0.0	58.6	88.0#



#29

Tetrahydrofuran

Concen: 74.020 ug/l

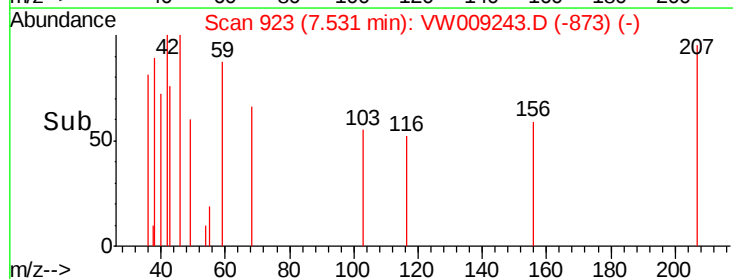
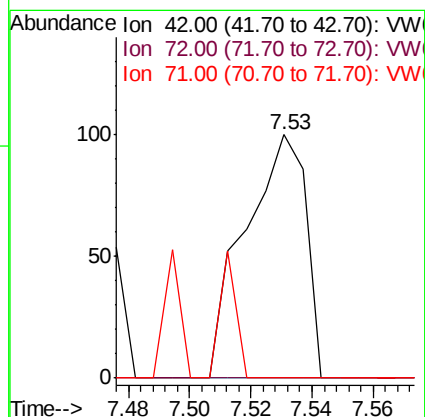
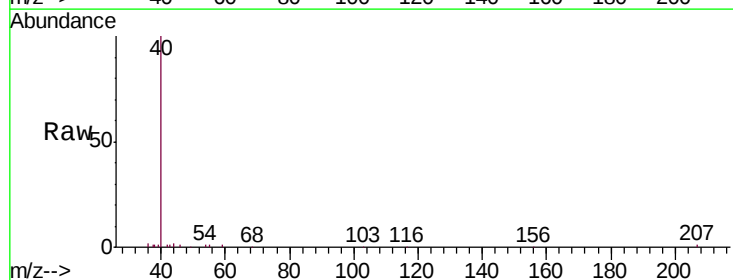
RT: 7.53 min Scan# 923

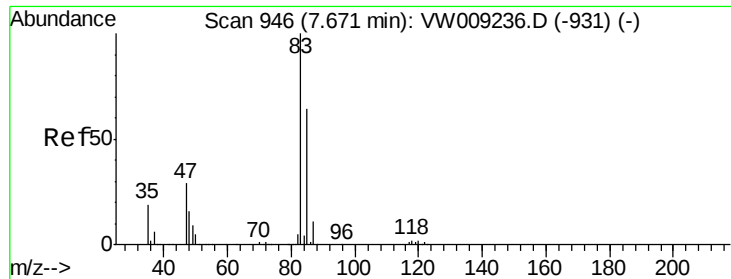
Delta R.T. 0.01 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Tgt Ion:	42	Resp:	138
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.4	48.6#
71	13.8	30.1	45.1#

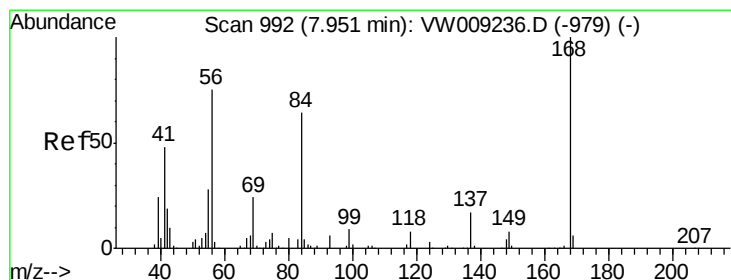
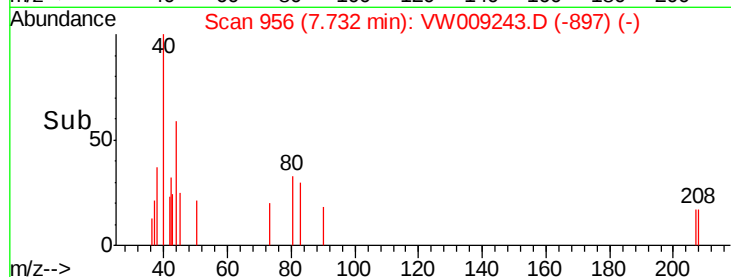
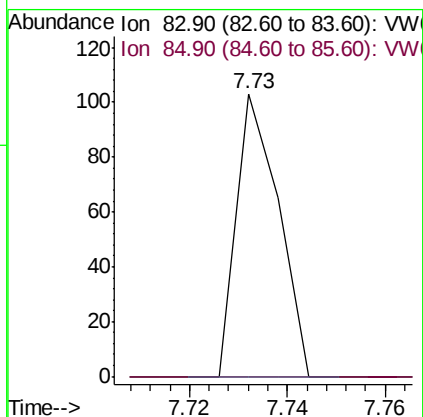
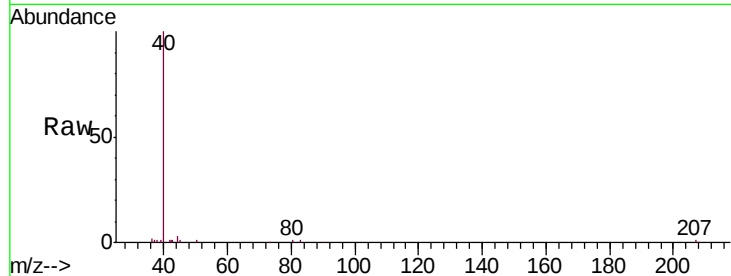




#30
Chloroform
Concen: 3.339 ug/l
RT: 7.73 min Scan# 956
Delta R.T. 0.06 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

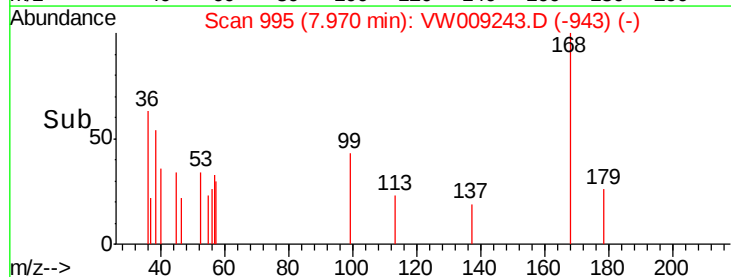
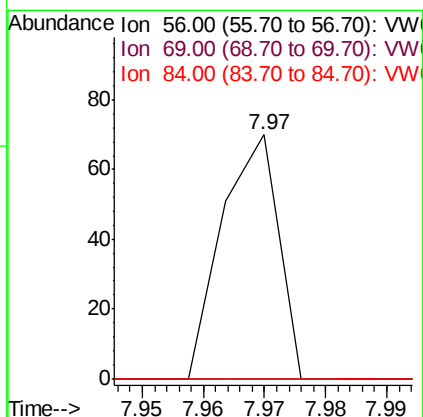
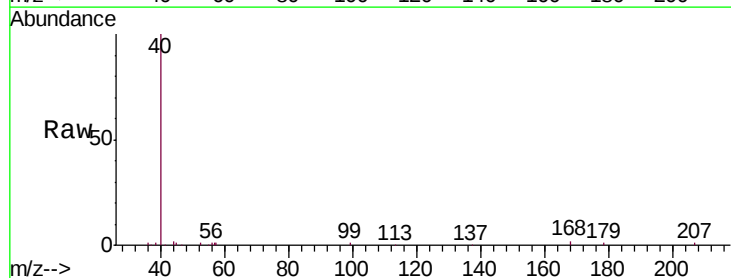
Instrument :
MSVOA_W
ClientSampleId :
BF-06-031119

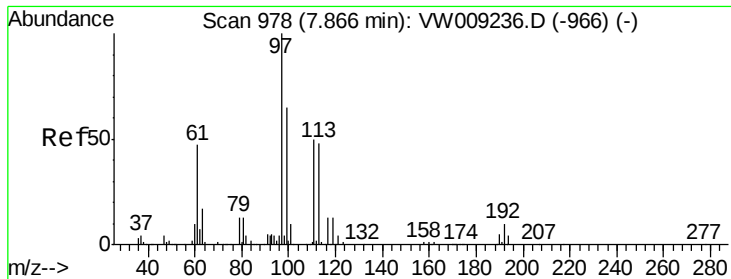
Tgt Ion: 83 Resp: 61
Ion Ratio Lower Upper
83 100
85 0.0 51.0 76.6#



#31
Cyclohexane
Concen: 2.688 ug/l
RT: 7.97 min Scan# 995
Delta R.T. 0.02 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
69 0.0 26.1 39.1#
84 0.0 68.6 103.0#





#32

1,1,1-Trichloroethane

Concen: 1.577 ug/l

RT: 7.91 min Scan# 986

Delta R.T. 0.05 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

BF-06-031119

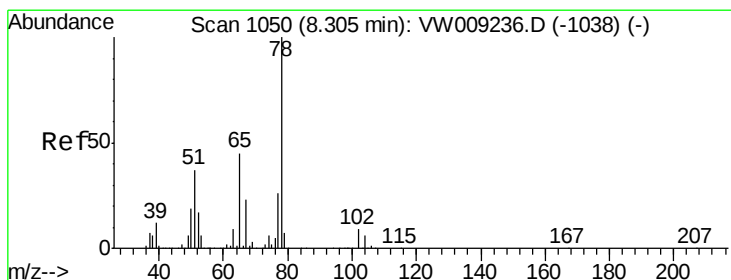
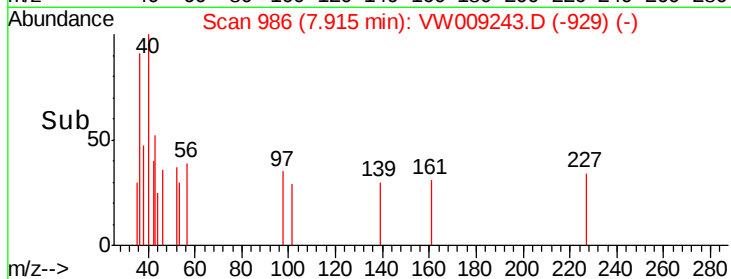
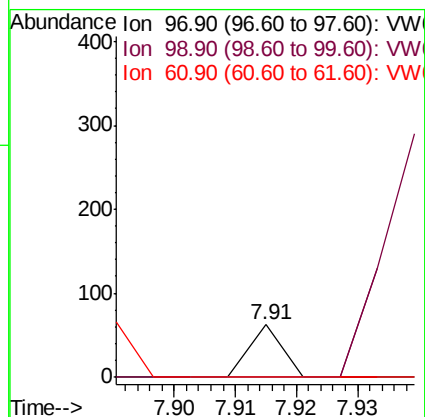
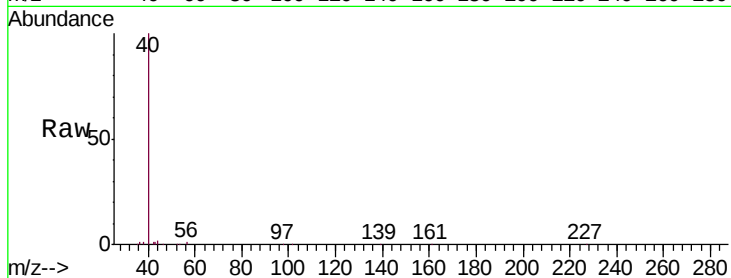
Tgt Ion: 97 Resp: 23

Ion Ratio Lower Upper

97 100

99 0.0 51.9 77.9#

61 0.0 36.8 55.2#



#33

1,2-Dichloroethane-d4

Concen: 44.802 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009243.D

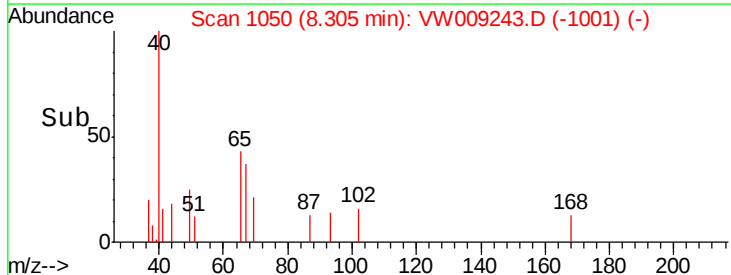
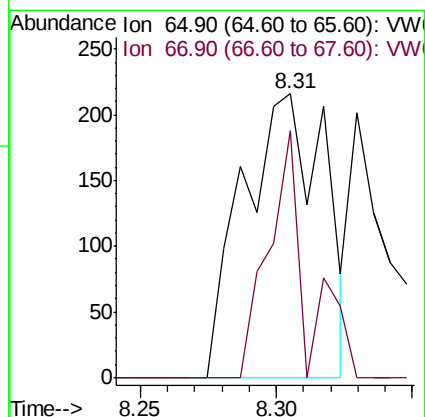
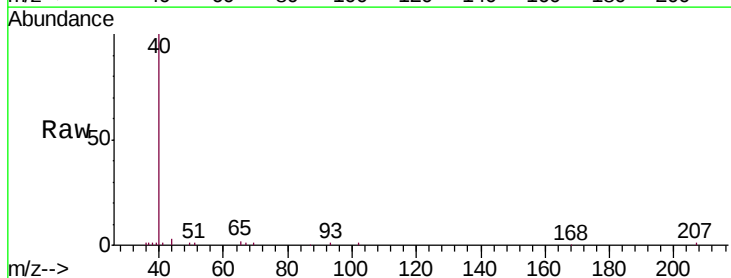
Acq: 19 Mar 2019 16:06

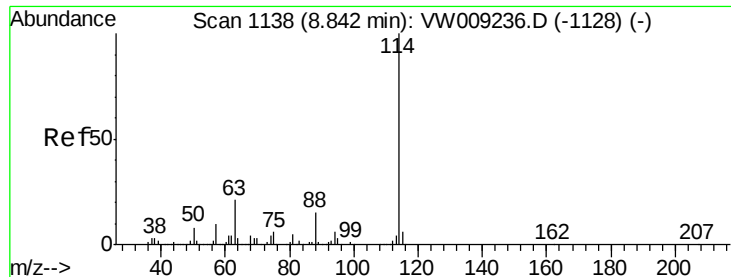
Tgt Ion: 65 Resp: 447

Ion Ratio Lower Upper

65 100

67 40.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

BF-06-031119

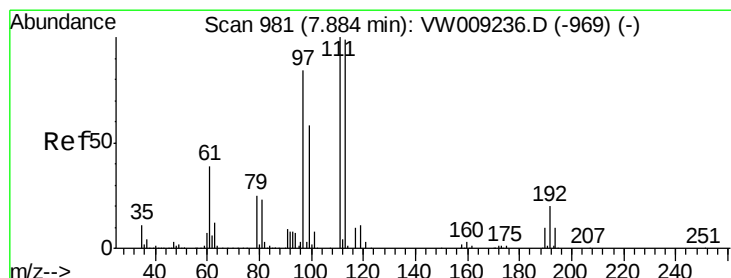
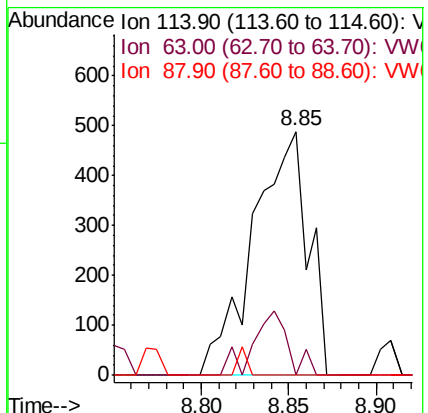
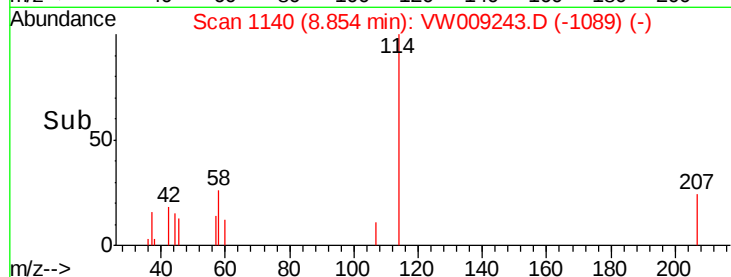
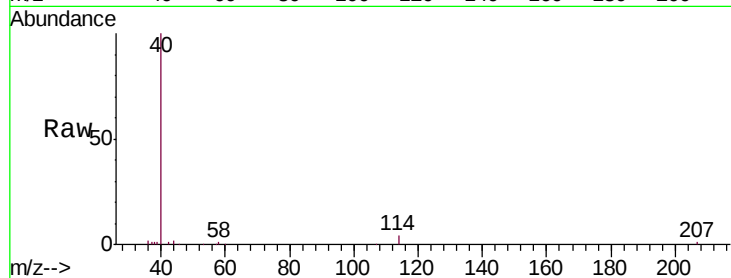
Tgt Ion:114 Resp: 1062

Ion Ratio Lower Upper

114 100

63 0.0 0.0 42.2

88 0.0 0.0 30.8



#35

Dibromofluoromethane

Concen: 51.360 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

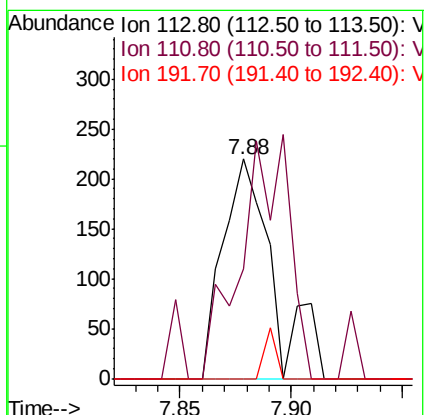
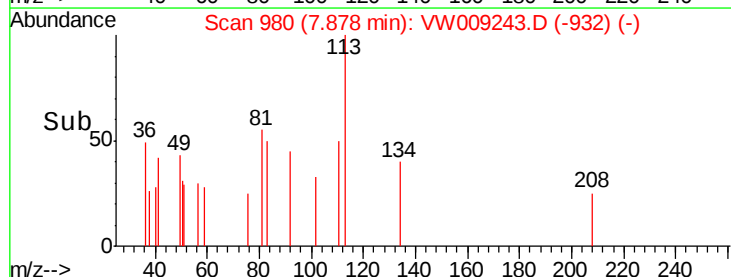
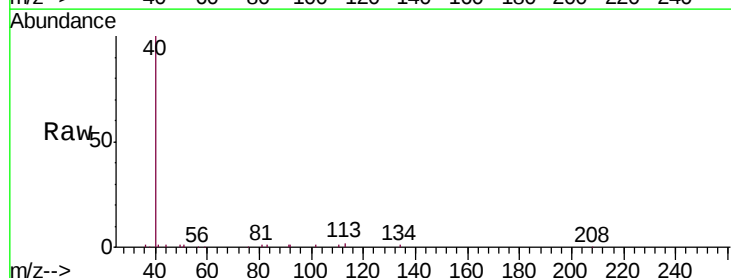
Tgt Ion:113 Resp: 346

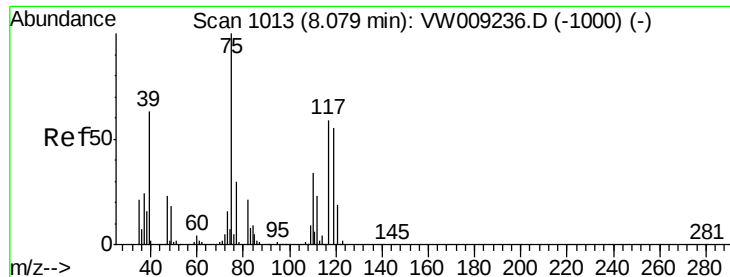
Ion Ratio Lower Upper

113 100

111 106.1 82.6 124.0

192 5.5 16.4 24.6#

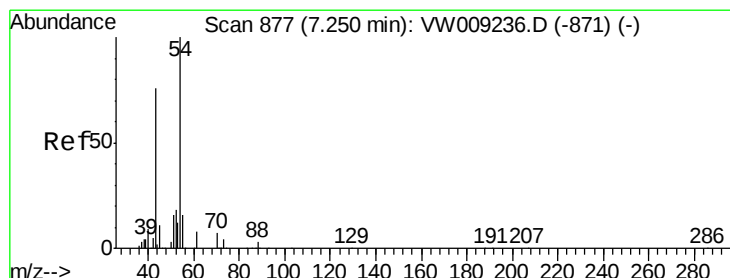
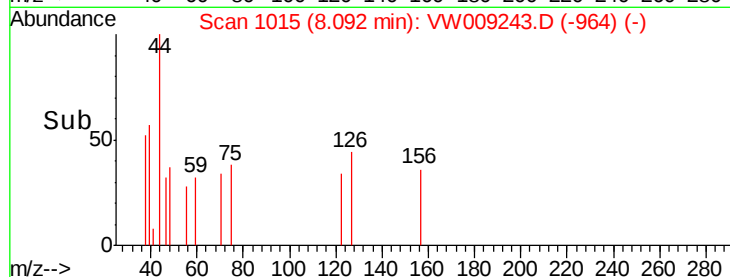
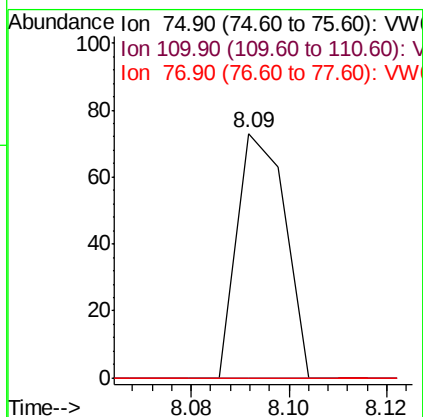
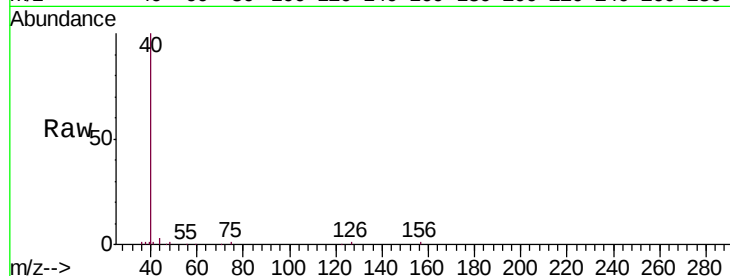




#36
 1,1-Dichloropropene
 Concen: 4.731 ug/l
 RT: 8.09 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VW009243.D
 Acq: 19 Mar 2019 16:06

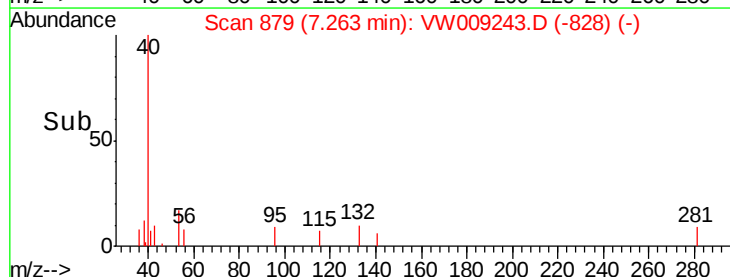
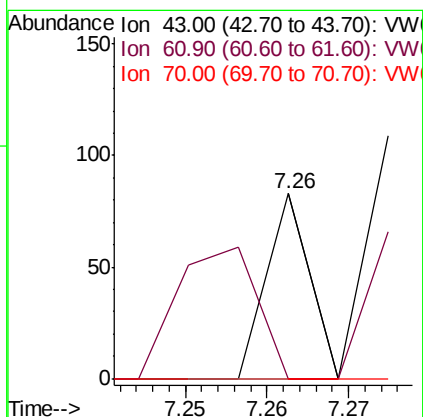
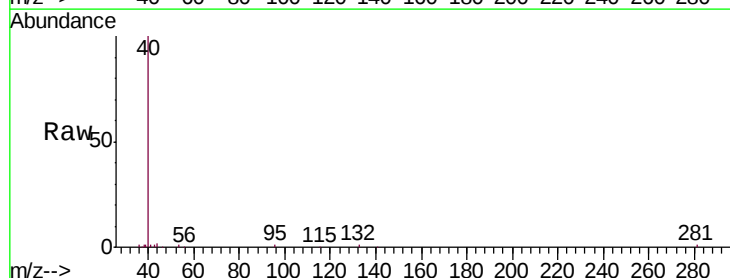
Instrument :
 MSVOA_W
 ClientSampleId :
 BF-06-031119

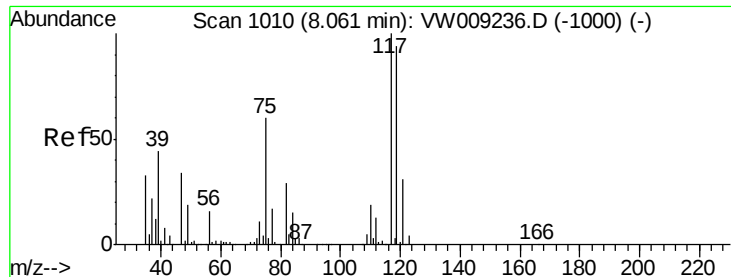
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.8	50.4#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 6.221 ug/l
 RT: 7.26 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VW009243.D
 Acq: 19 Mar 2019 16:06

Tgt Ion	Ratio	Lower	Upper
43	100		
61	133.3	10.0	15.0#
70	0.0	7.3	10.9#





#38

Carbon Tetrachloride

Concen: 1.788 ug/l

RT: 8.06 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

BF-06-031119

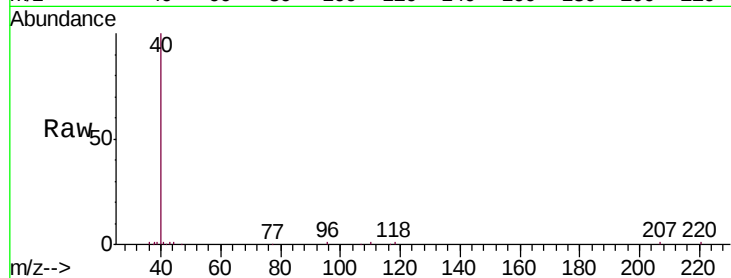
Tgt Ion: 117 Resp: 20

Ion Ratio Lower Upper

117 100

119 0.0 75.4 113.0#

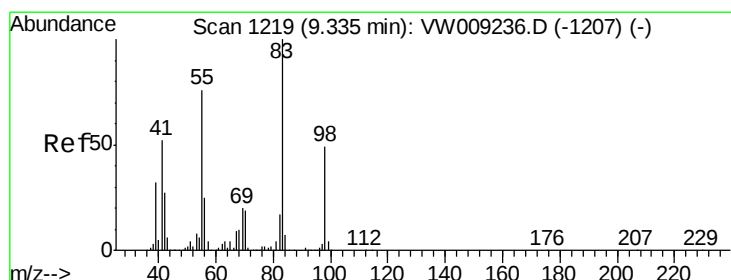
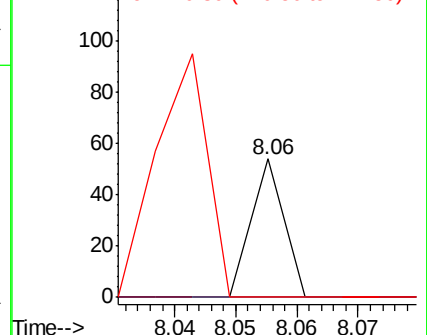
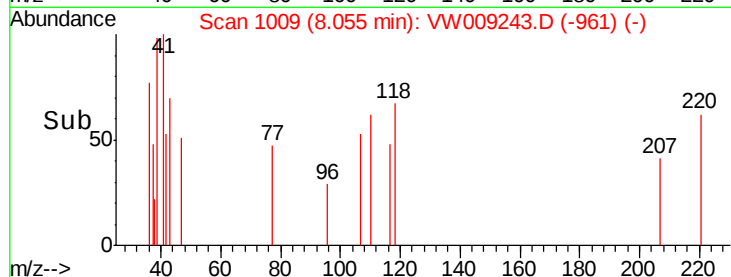
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 4.744 ug/l

RT: 9.21 min Scan# 1199

Delta R.T. -0.12 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

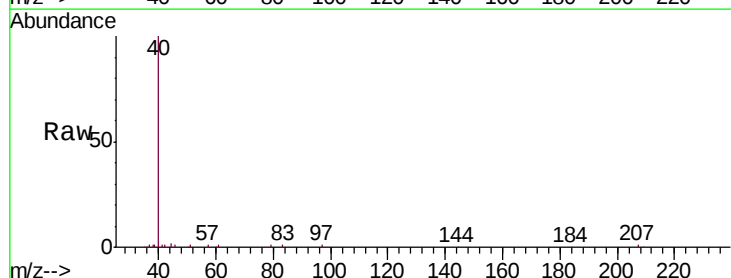
Tgt Ion: 83 Resp: 58

Ion Ratio Lower Upper

83 100

55 0.0 61.1 91.7#

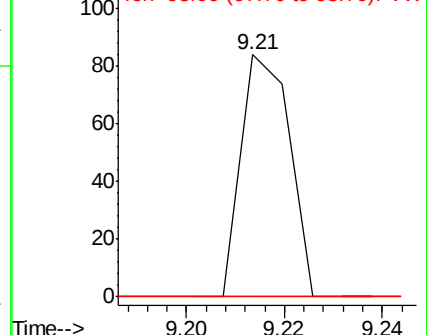
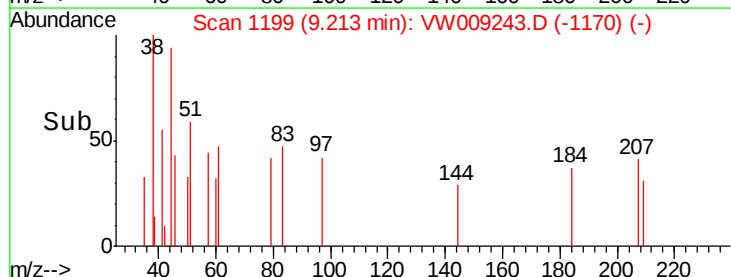
98 0.0 39.0 58.4#

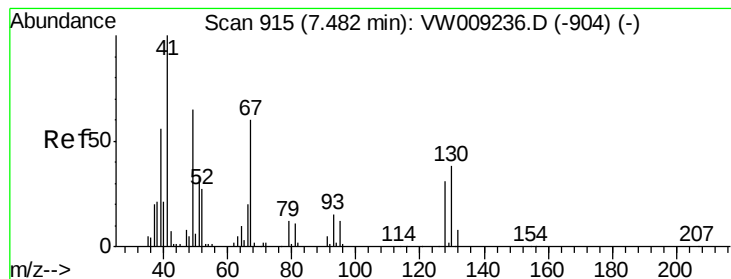


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#41

Methacrylonitrile

Concen: 37.706 ug/l

RT: 7.51 min Scan# 919

Delta R.T. 0.02 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

BF-06-031119

Tgt Ion: 41 Resp: 98

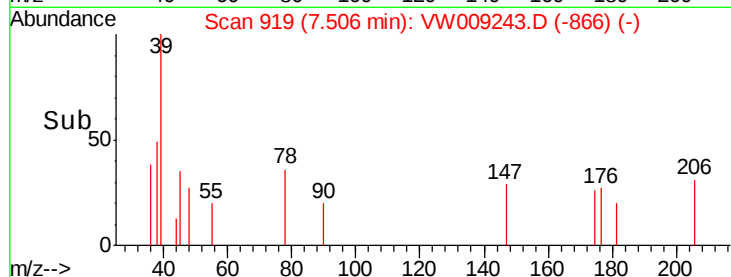
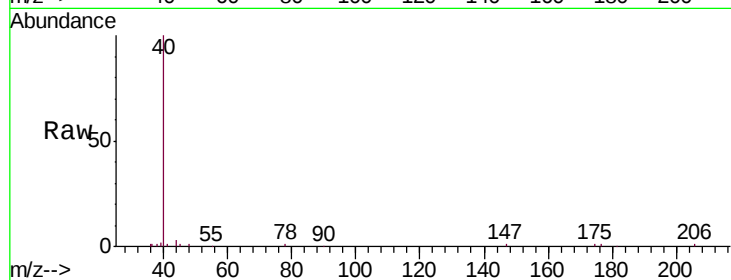
Ion Ratio Lower Upper

41 100

39 169.4 52.5 78.7#

67 0.0 56.6 84.8#

52 27.6 27.2 40.8

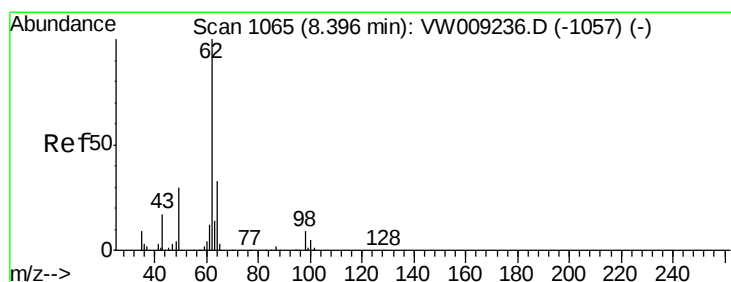
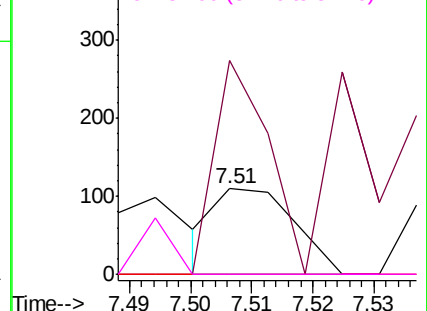


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 2.348 ug/l

RT: 8.36 min Scan# 1059

Delta R.T. -0.04 min

Lab File: VW009243.D

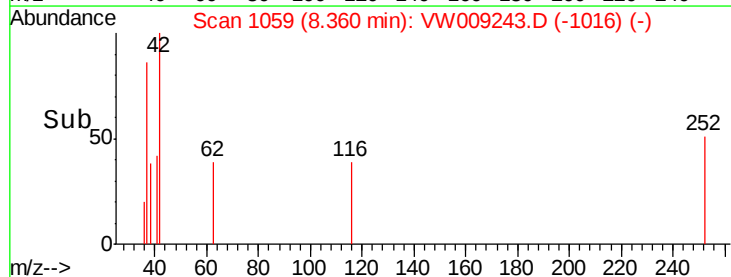
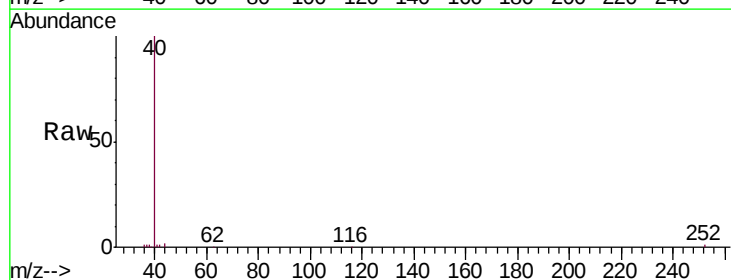
Acq: 19 Mar 2019 16:06

Tgt Ion: 62 Resp: 22

Ion Ratio Lower Upper

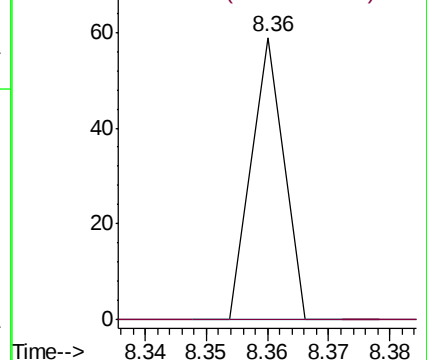
62 100

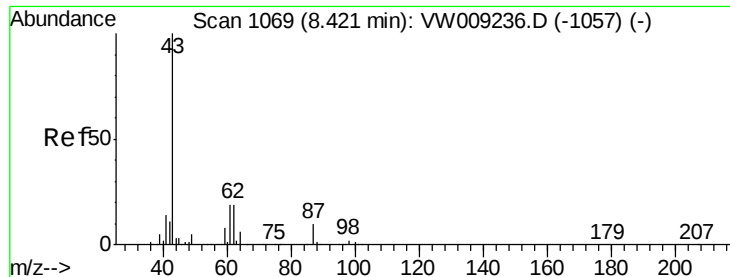
98 0.0 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.848 ug/l

RT: 8.44 min Scan# 1072

Delta R.T. 0.02 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

BF-06-031119

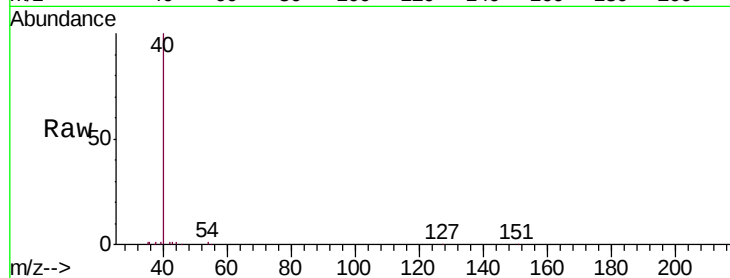
Tgt Ion: 43 Resp: 182

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.2#

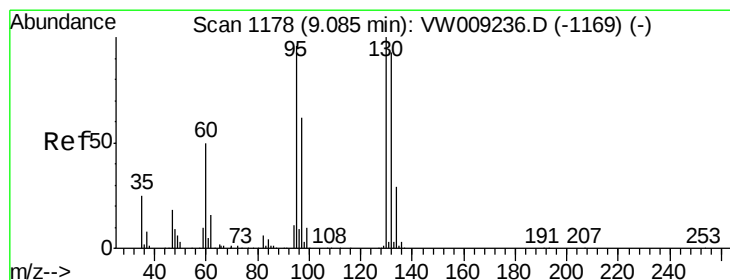
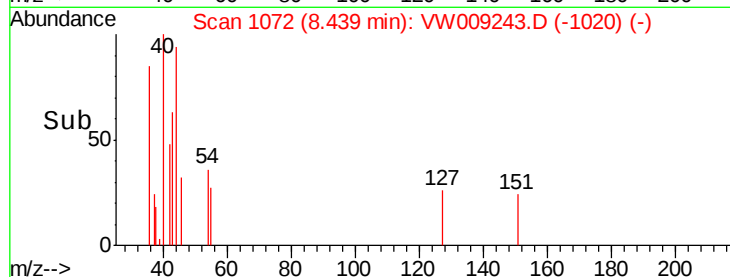
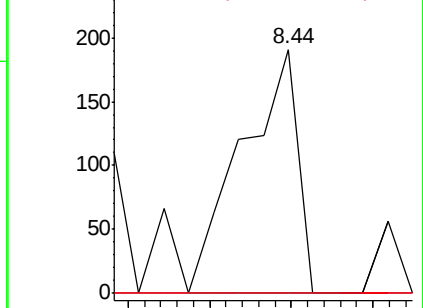
87 0.0 9.6 14.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 3.057 ug/l

RT: 9.20 min Scan# 1196

Delta R.T. 0.11 min

Lab File: VW009243.D

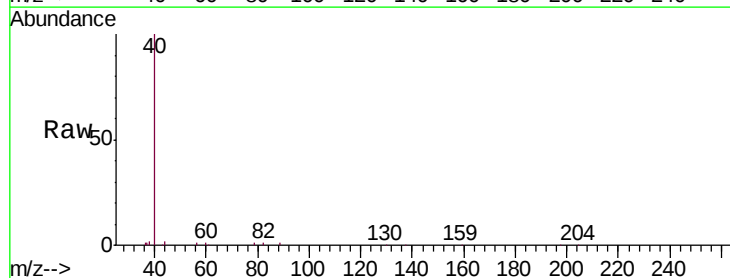
Acq: 19 Mar 2019 16:06

Tgt Ion: 130 Resp: 24

Ion Ratio Lower Upper

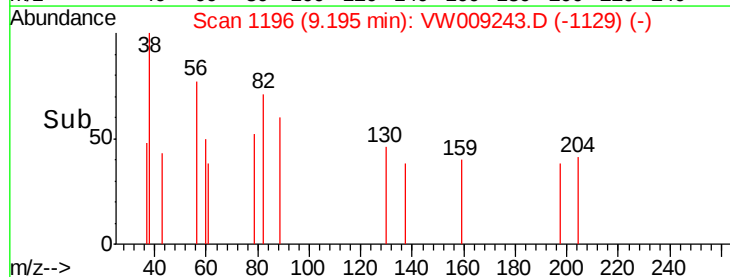
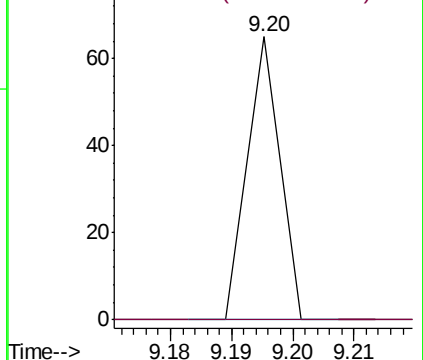
130 100

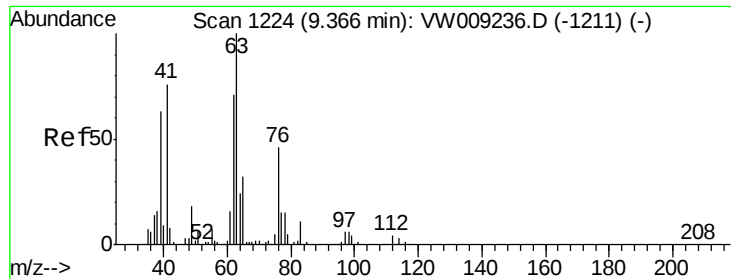
95 0.0 0.0 192.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 4.804 ug/l

RT: 9.38 min Scan# 1227

Delta R.T. 0.02 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

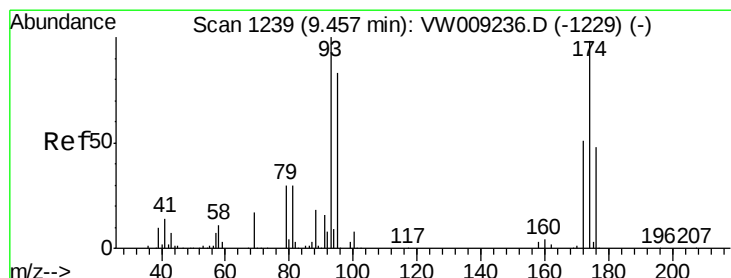
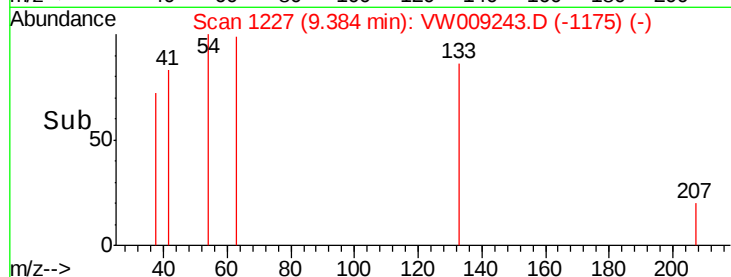
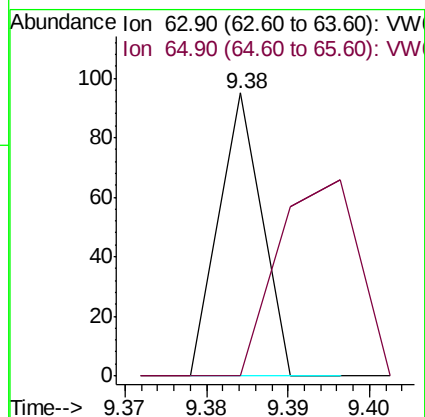
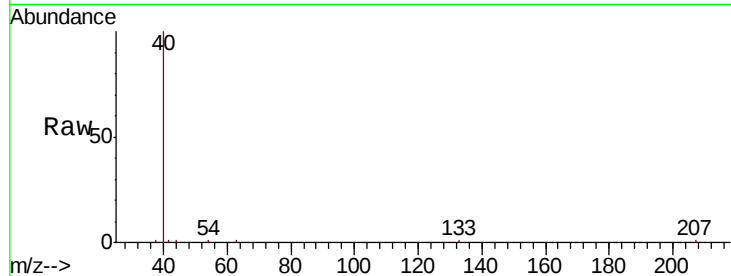
BF-06-031119

Tgt Ion: 63 Resp: 35

Ion Ratio Lower Upper

63 100

65 0.0 25.8 38.8#



#46

Dibromomethane

Concen: 6.490 ug/l

RT: 9.50 min Scan# 1246

Delta R.T. 0.04 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

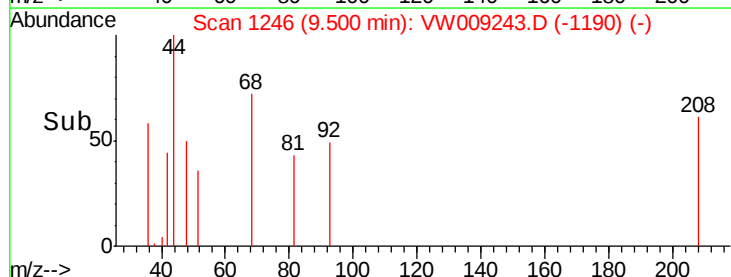
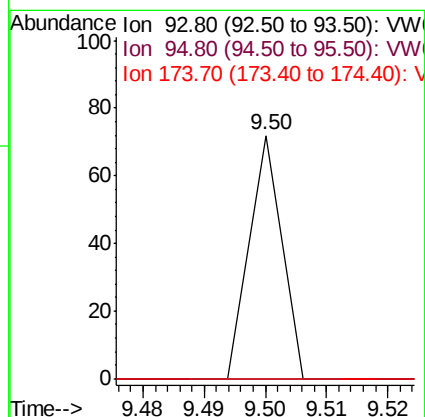
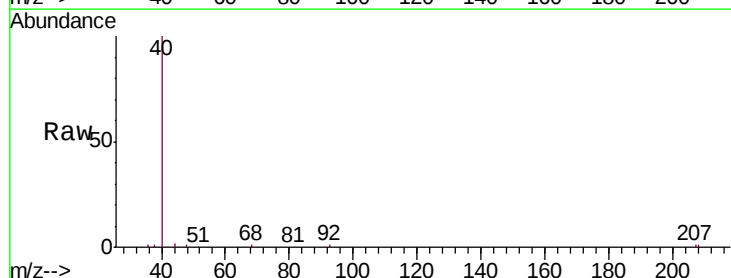
Tgt Ion: 93 Resp: 26

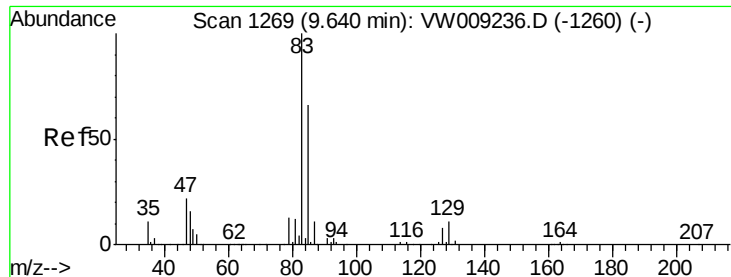
Ion Ratio Lower Upper

93 100

95 0.0 66.9 100.3#

174 0.0 80.8 121.2#





#47

Bromodichloromethane

Concen: 1.877 ug/l

RT: 9.74 min Scan# 1286

Delta R.T. 0.10 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

BF-06-031119

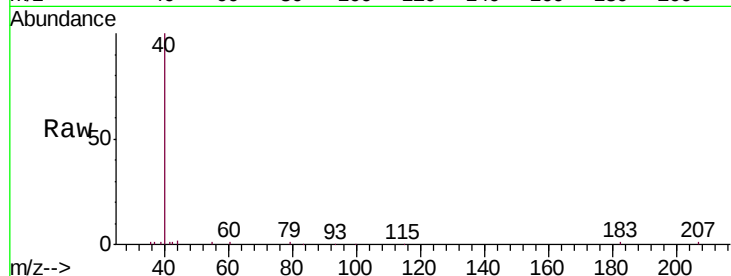
Tgt Ion: 83 Resp: 19

Ion Ratio Lower Upper

83 100

85 0.0 52.6 79.0#

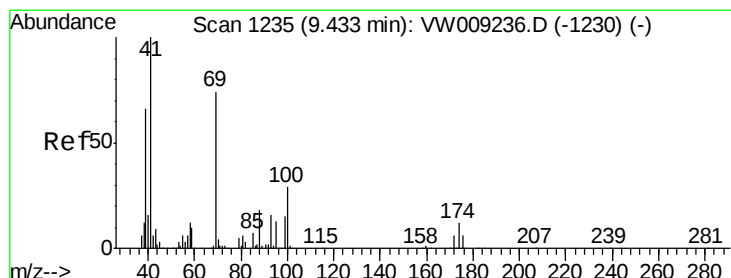
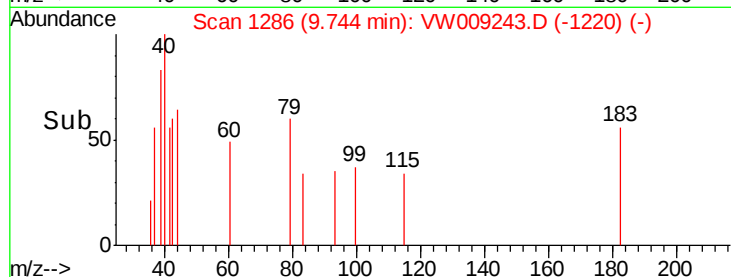
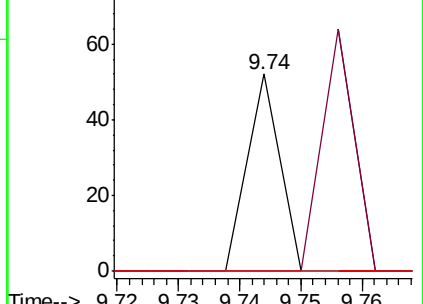
127 0.0 6.5 9.7#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 13.645 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

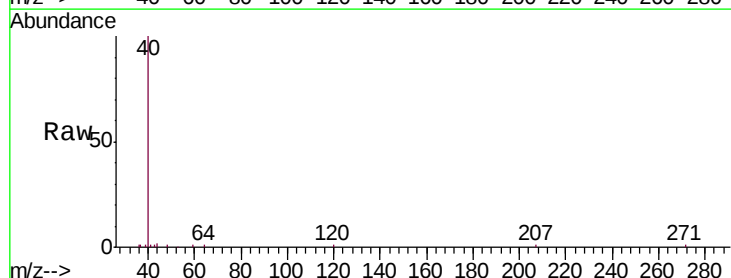
Tgt Ion: 41 Resp: 61

Ion Ratio Lower Upper

41 100

69 0.0 63.0 94.6#

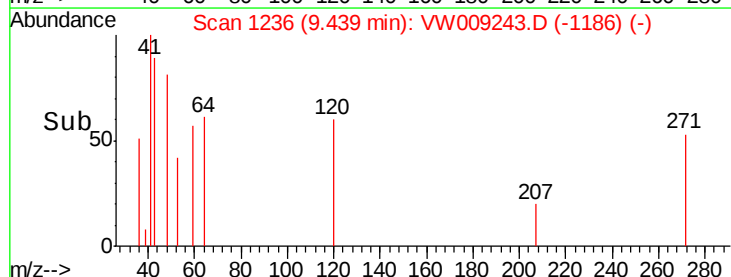
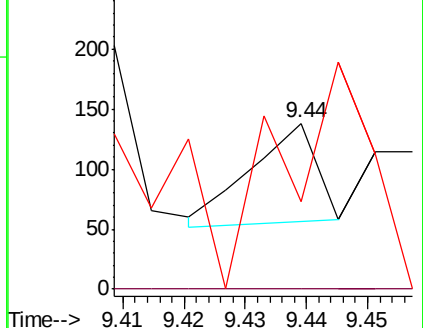
39 309.8 57.2 85.8#

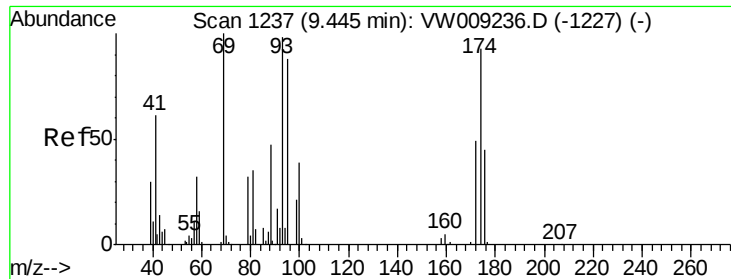


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 337.962 ug/l

RT: 9.30 min Scan# 1214

Delta R.T. -0.14 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampled :

BF-06-031119

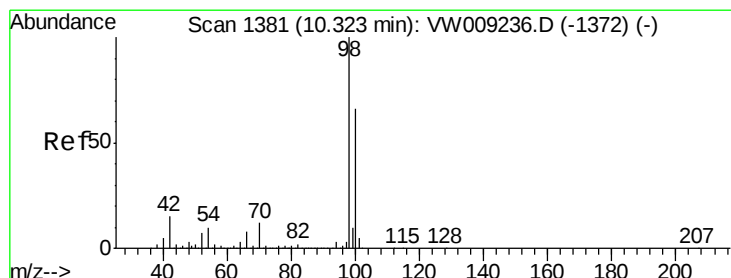
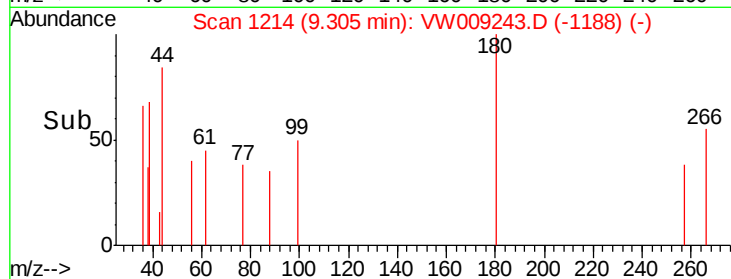
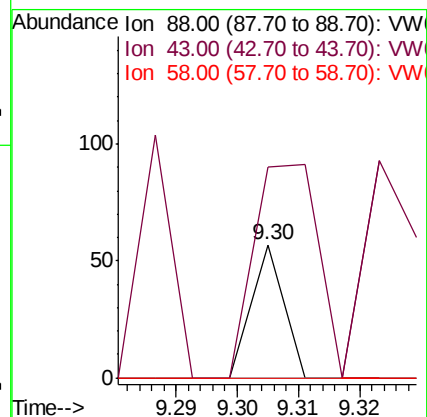
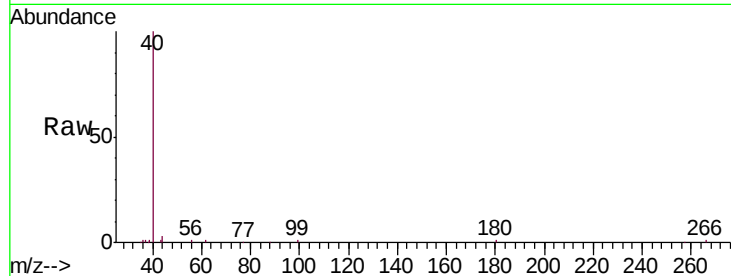
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 314.3 29.7 44.5#

58 0.0 58.1 87.1#



#50

Toluene-d8

Concen: 42.971 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VW009243.D

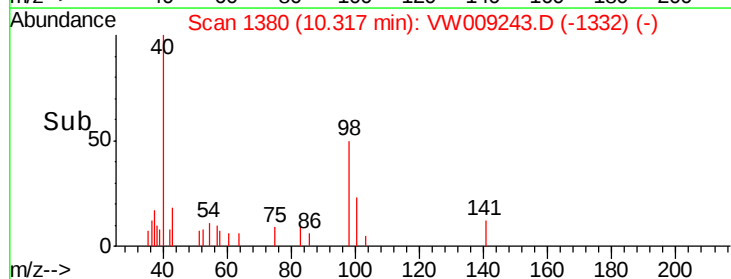
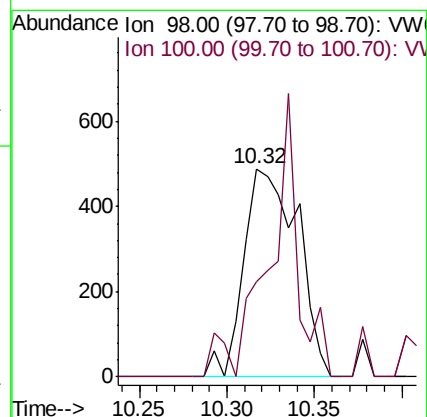
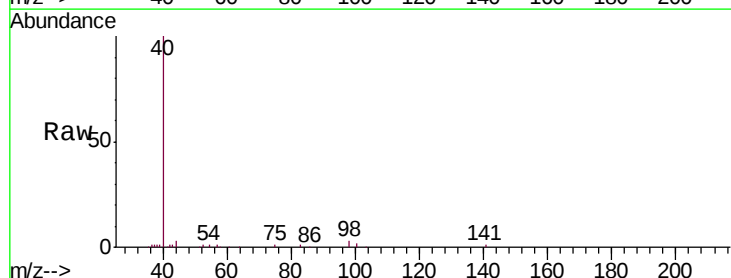
Acq: 19 Mar 2019 16:06

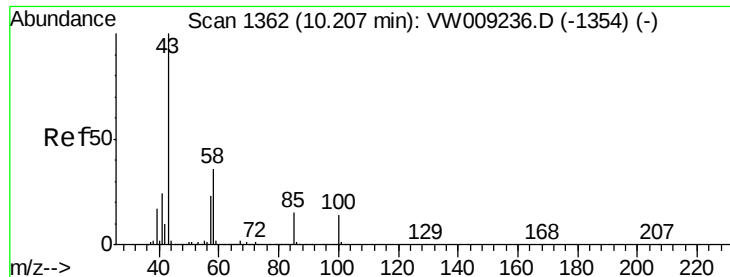
Tgt Ion: 98 Resp: 1052

Ion Ratio Lower Upper

98 100

100 74.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 8.346 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampled :

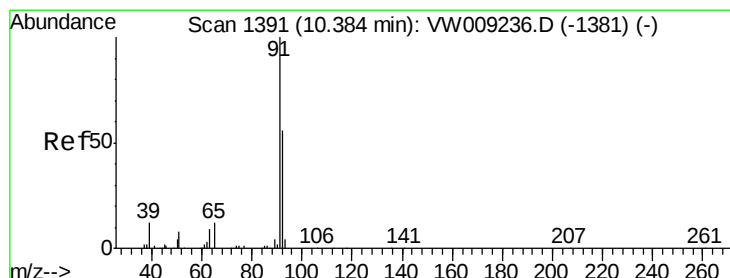
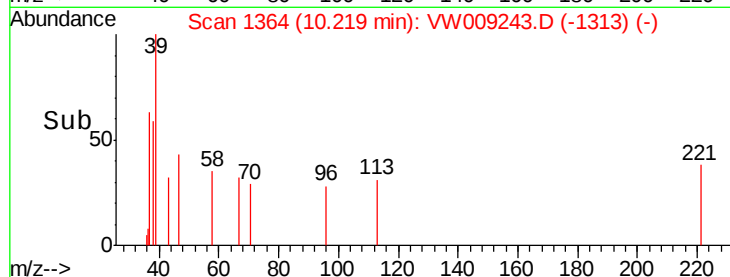
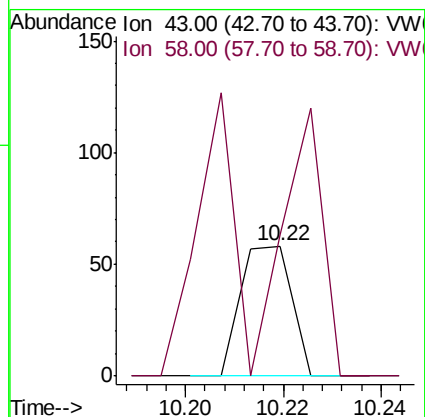
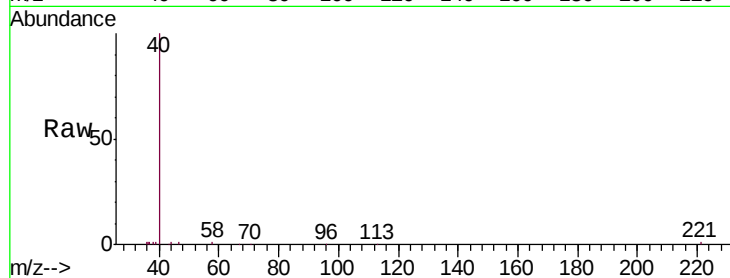
BF-06-031119

Tgt Ion: 43 Resp: 42

Ion Ratio Lower Upper

43 100

58 159.5 28.6 42.8#



#52

Toluene

Concen: 1.927 ug/l

RT: 10.40 min Scan# 1394

Delta R.T. 0.02 min

Lab File: VW009243.D

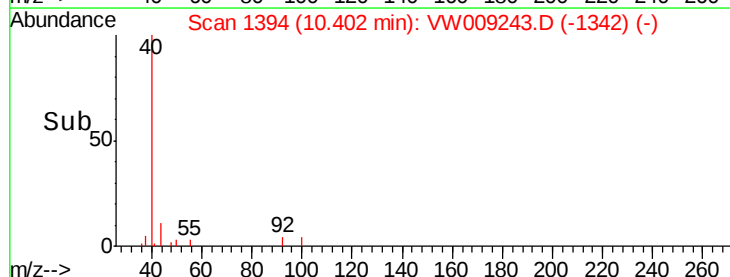
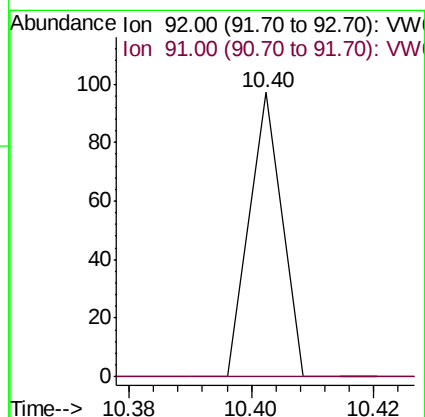
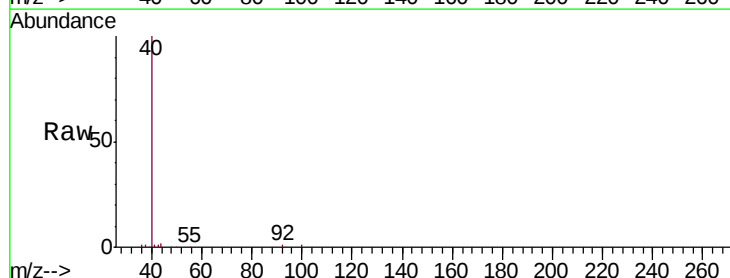
Acq: 19 Mar 2019 16:06

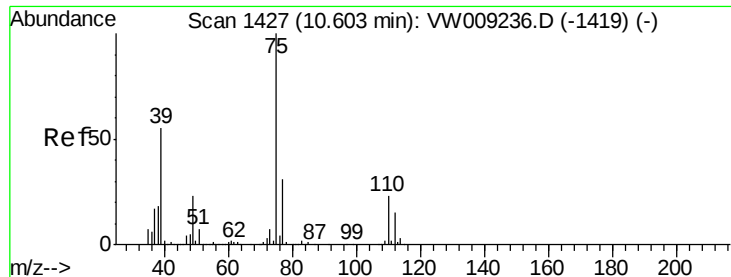
Tgt Ion: 92 Resp: 35

Ion Ratio Lower Upper

92 100

91 0.0 140.1 210.1#





#53

t-1,3-Dichloropropene

Concen: 2.532 ug/l

RT: 10.59 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

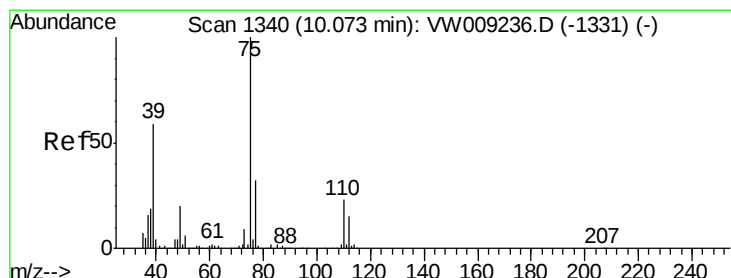
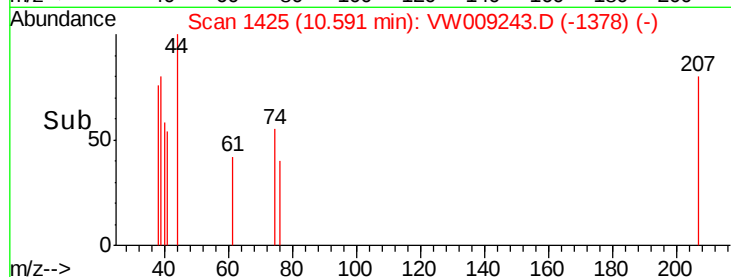
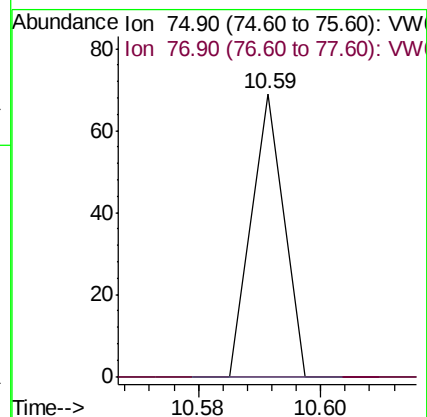
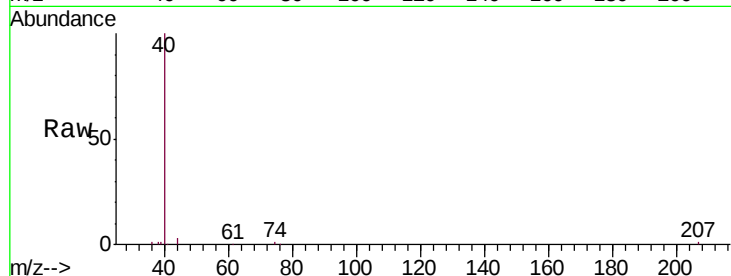
BF-06-031119

Tgt Ion: 75 Resp: 25

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#



#54

cis-1,3-Dichloropropene

Concen: 2.611 ug/l

RT: 10.17 min Scan# 1356

Delta R.T. 0.10 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

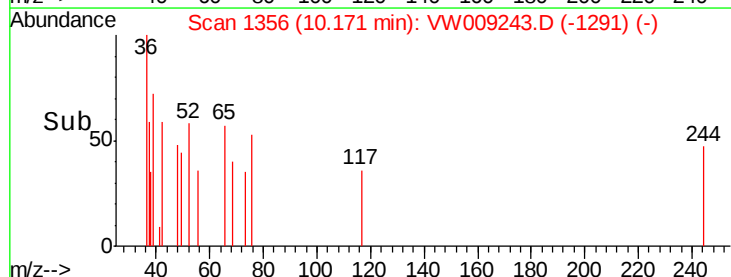
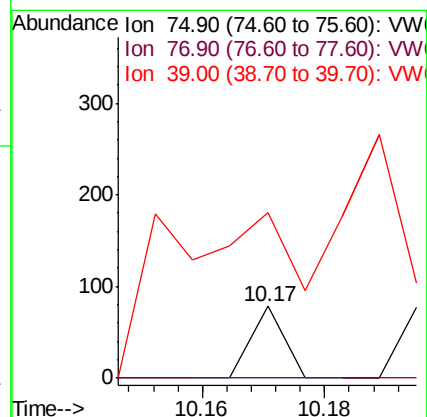
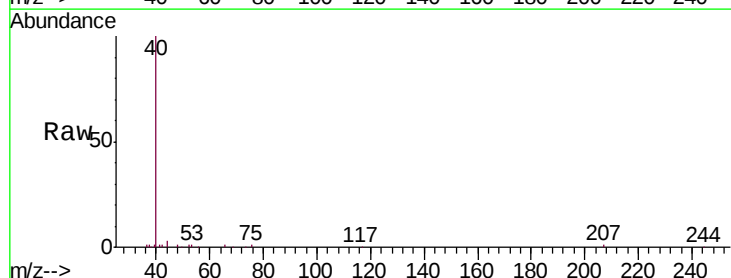
Tgt Ion: 75 Resp: 29

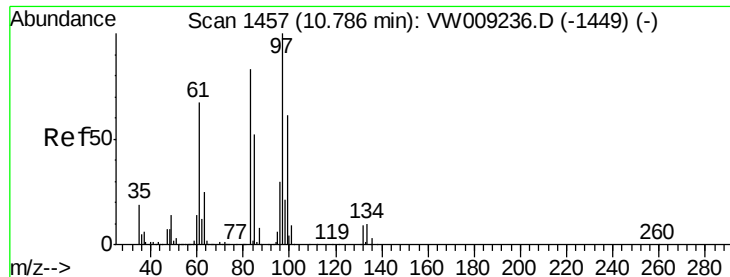
Ion Ratio Lower Upper

75 100

77 0.0 25.9 38.9#

39 66.7 46.8 70.2





#55

1,1,2-Trichloroethane

Concen: 10.692 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampled :

BF-06-031119

Tgt Ion: 97 Resp: 58

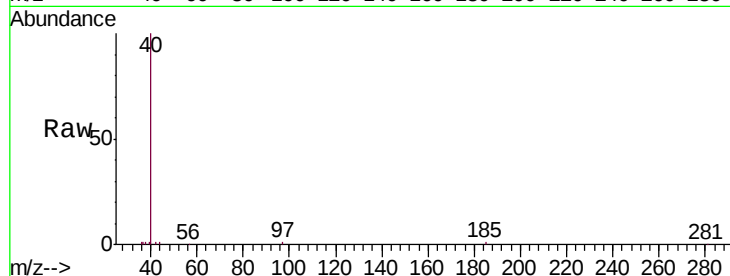
Ion Ratio Lower Upper

97 100

83 0.0 66.3 99.5#

85 0.0 41.4 62.2#

99 0.0 48.7 73.1#

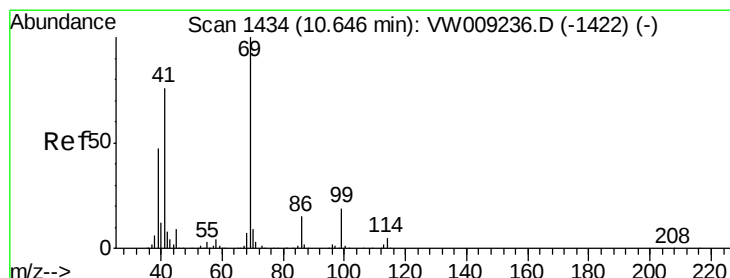
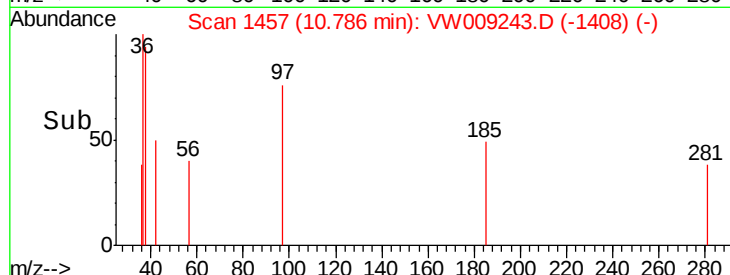
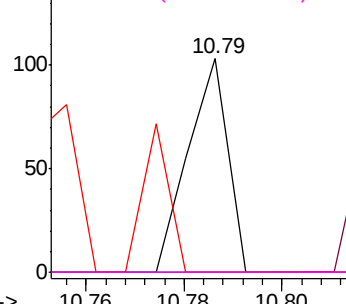


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 4.799 ug/l

RT: 10.64 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

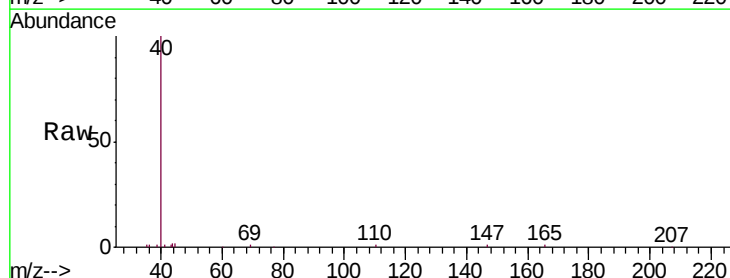
Tgt Ion: 69 Resp: 31

Ion Ratio Lower Upper

69 100

41 212.9 59.3 88.9#

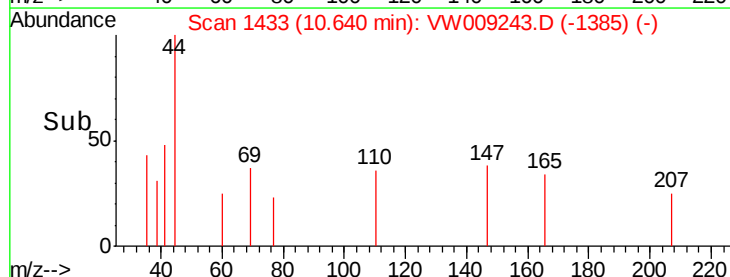
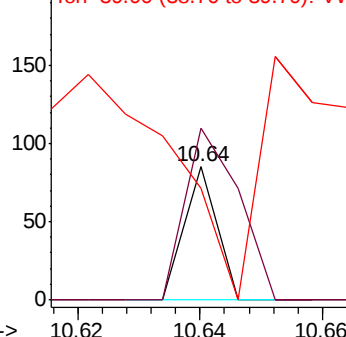
39 787.1 36.2 54.2#

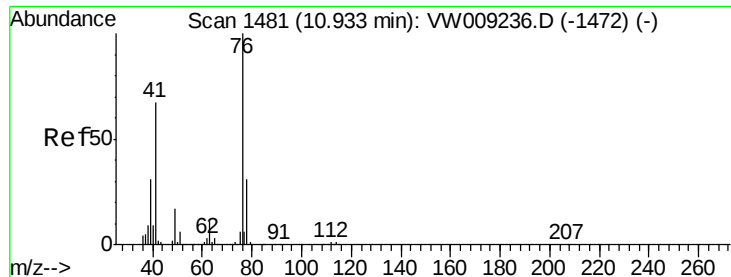


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 2.031 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

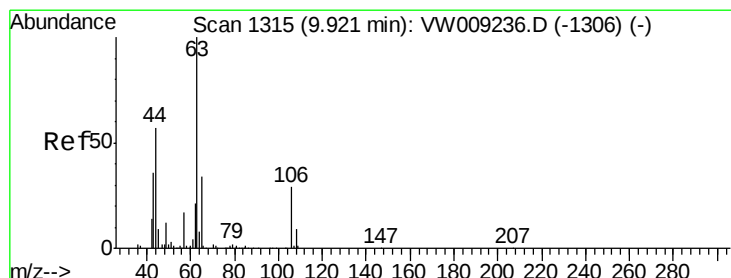
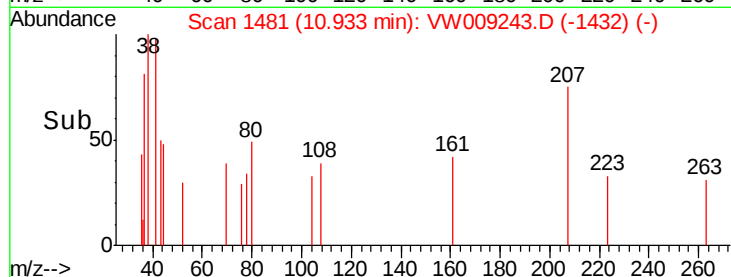
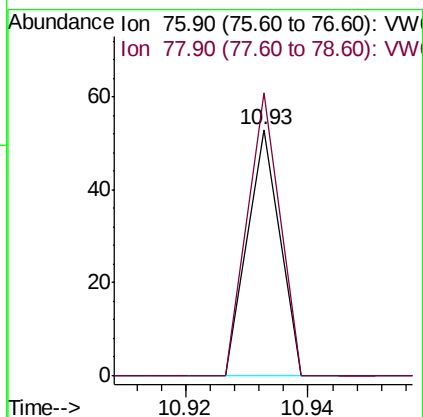
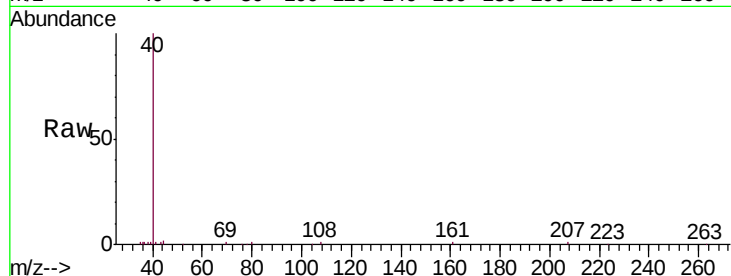
BF-06-031119

Tgt Ion: 76 Resp: 19

Ion Ratio Lower Upper

76 100

78 115.8 25.8 38.6#



#58

2-Chloroethyl Vinyl ether

Concen: 10.582 ug/l

RT: 9.98 min Scan# 1325

Delta R.T. 0.06 min

Lab File: VW009243.D

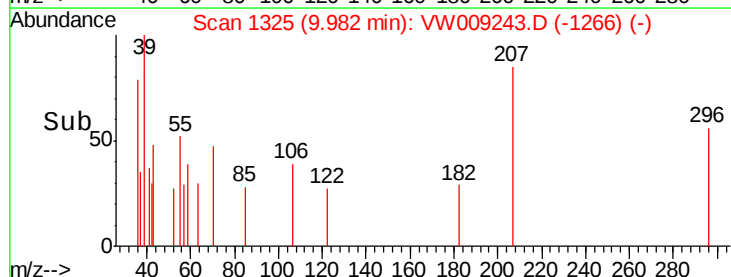
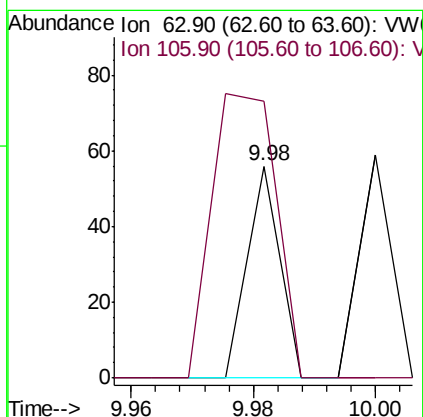
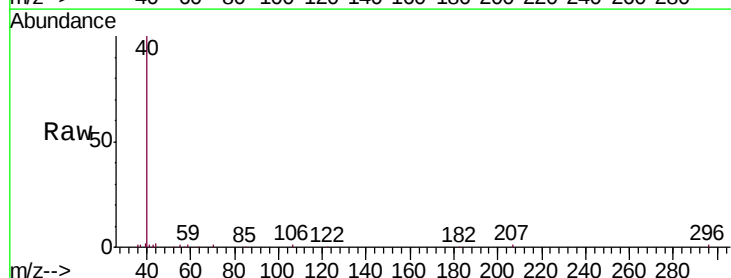
Acq: 19 Mar 2019 16:06

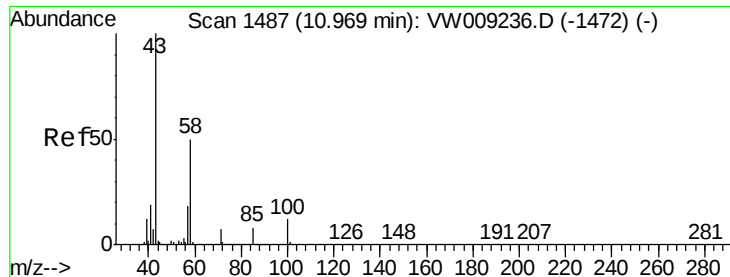
Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

106 270.0 22.9 34.3#

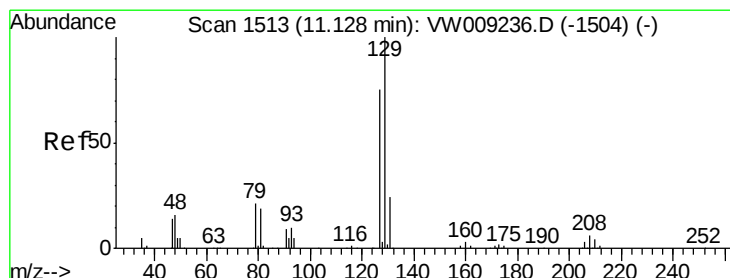
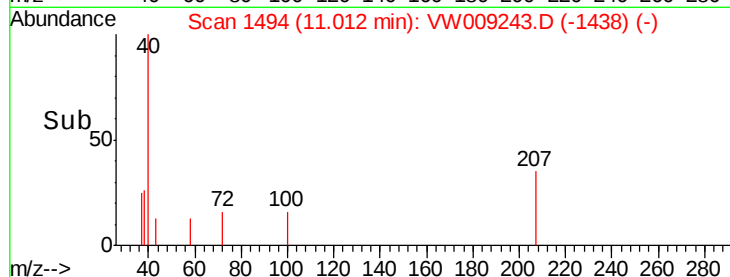
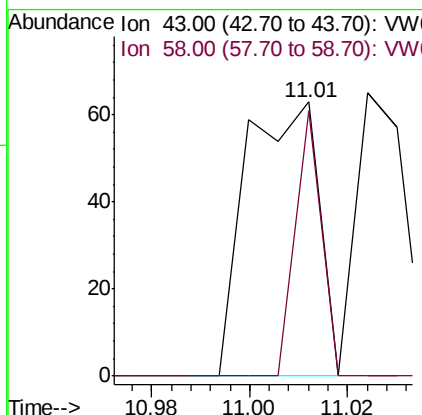
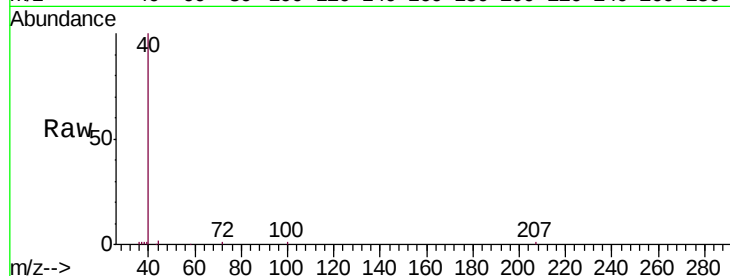




#59
2-Hexanone
Concen: 18.732 ug/l
RT: 11.01 min Scan# 1494
Delta R.T. 0.04 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

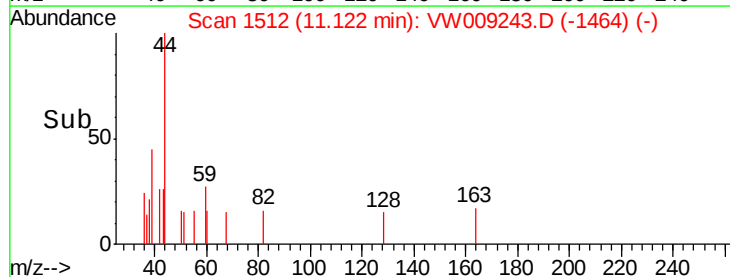
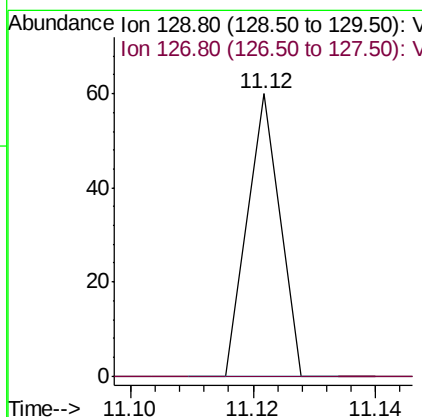
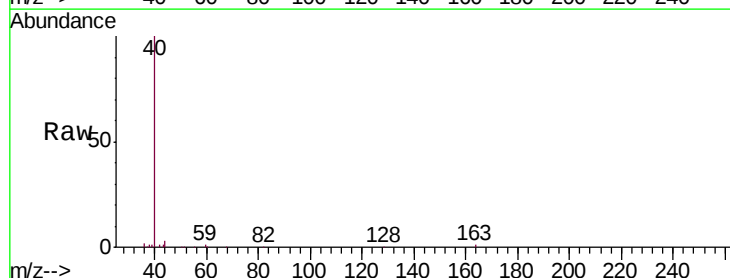
Instrument :
MSVOA_W
ClientSampleId :
BF-06-031119

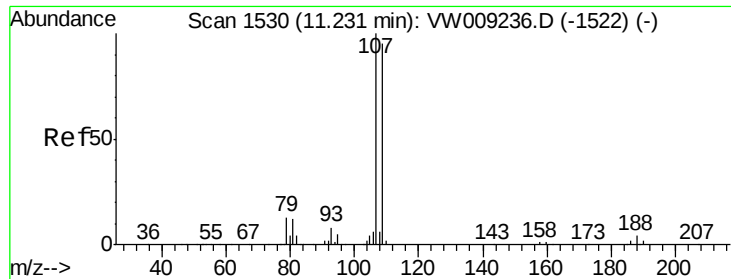
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
58 34.4 24.2 72.6



#60
Dibromochloromethane
Concen: 3.283 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

Tgt Ion: 129 Resp: 22
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.5#

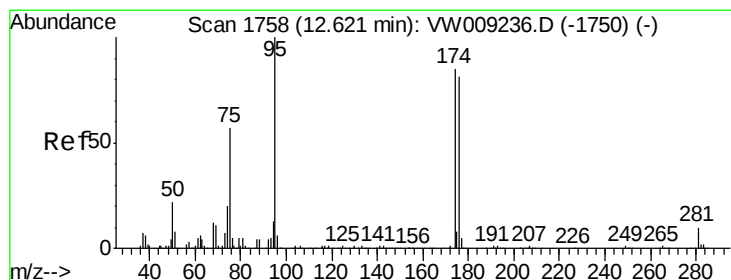
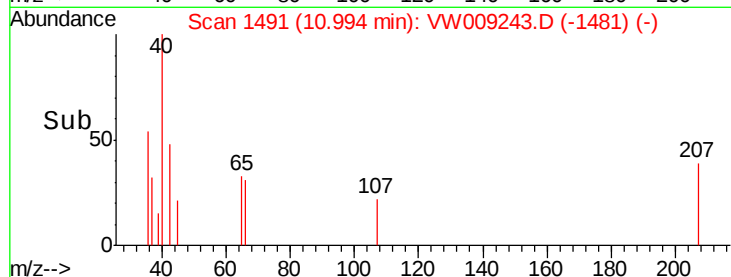
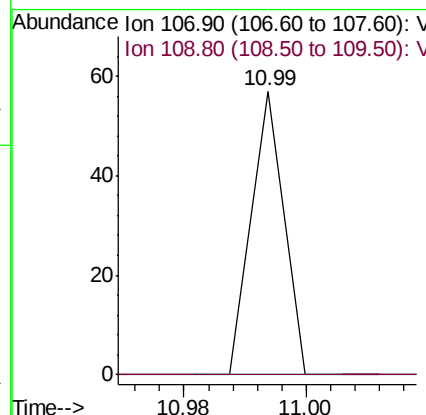
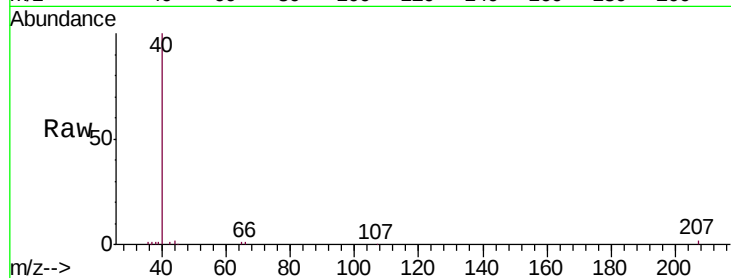




#61
 1,2-Dibromoethane
 Concen: 4.065 ug/l
 RT: 10.99 min Scan# 1491
 Delta R.T. -0.24 min
 Lab File: VW009243.D
 Acq: 19 Mar 2019 16:06

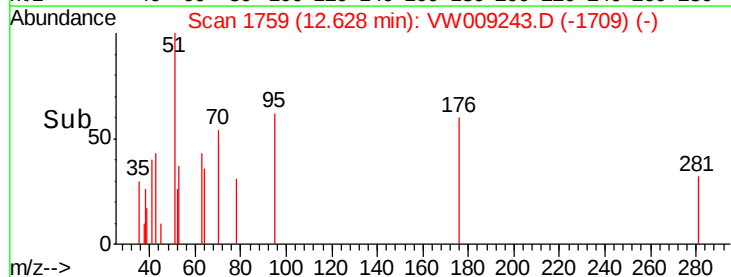
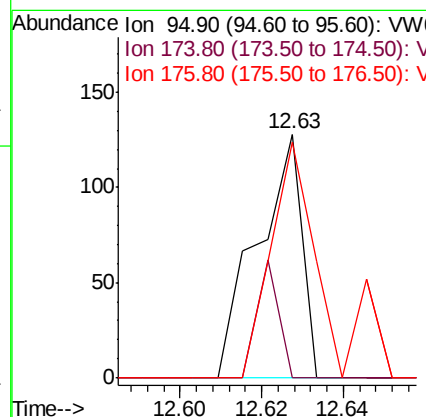
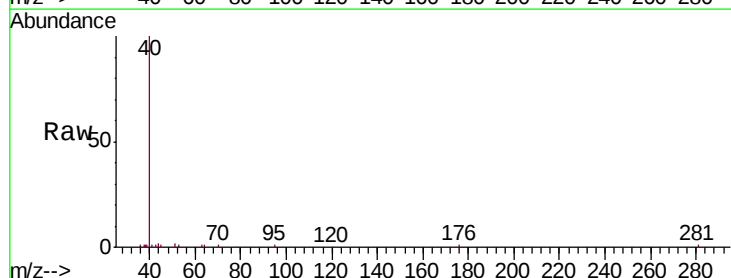
Instrument :
 MSVOA_W
 ClientSampleId :
 BF-06-031119

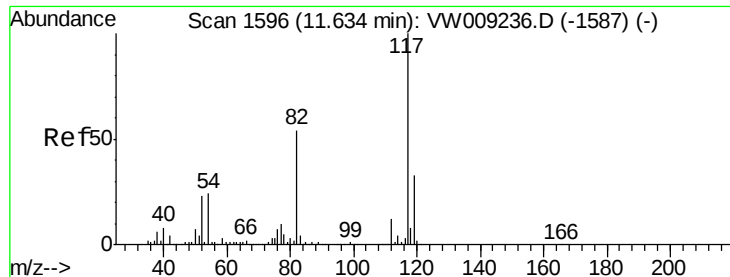
Tgt Ion: 107 Resp: 21
 Ion Ratio Lower Upper
 107 100
 109 0.0 75.1 112.7#



#62
 4-Bromofluorobenzene
 Concen: 10.902 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.01 min
 Lab File: VW009243.D
 Acq: 19 Mar 2019 16:06

Tgt Ion: 95 Resp: 98
 Ion Ratio Lower Upper
 95 100
 174 23.5 0.0 168.4
 176 111.2 0.0 161.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1598

Delta R.T. 0.01 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

BF-06-031119

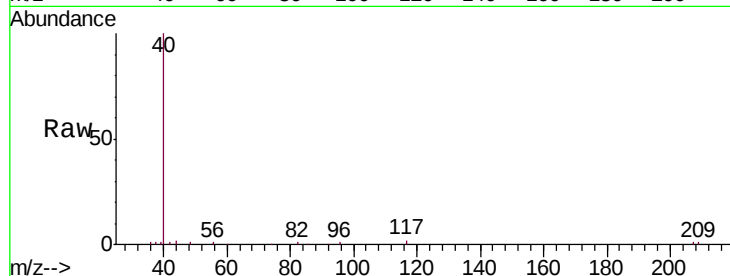
Tgt Ion:117 Resp: 365

Ion Ratio Lower Upper

117 100

82 33.8 43.6 65.4#

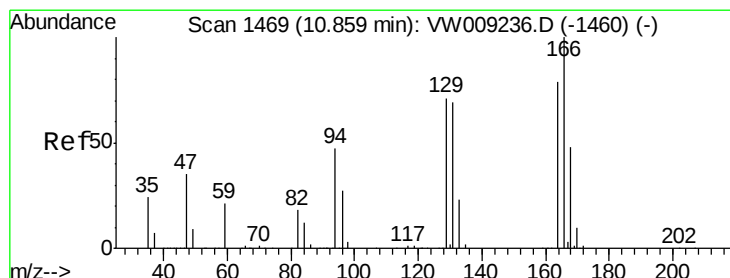
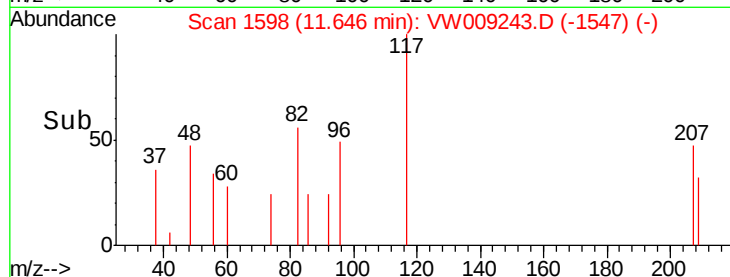
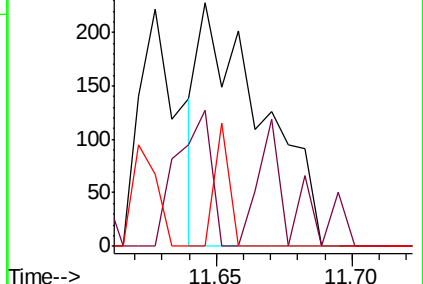
119 0.0 26.0 39.0#



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 38.805 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.27 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Tgt Ion:164 Resp: 97

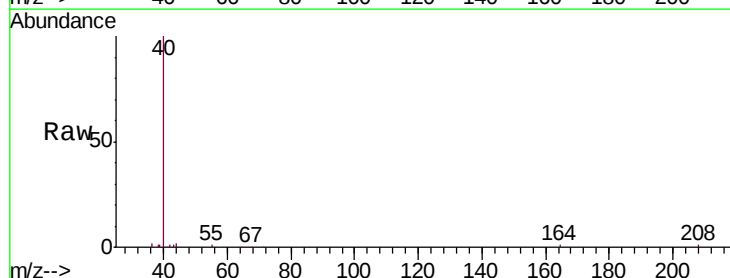
Ion Ratio Lower Upper

164 100

166 0.0 100.9 151.3#

129 0.0 72.0 108.0#

131 0.0 69.8 104.6#

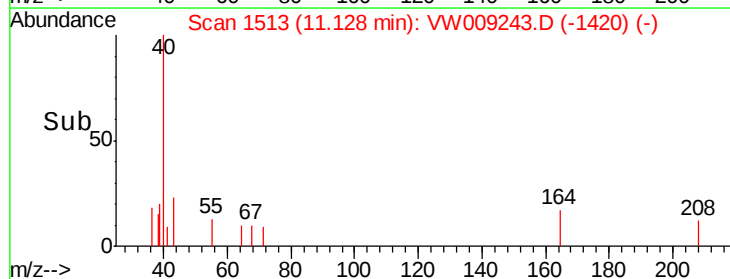
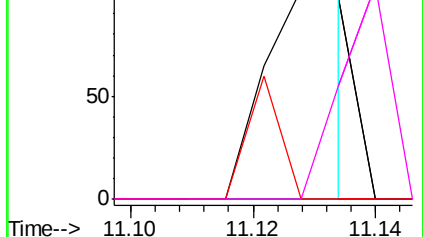


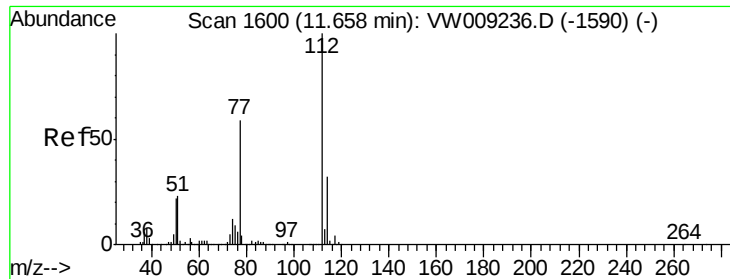
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 2.914 ug/l

RT: 11.58 min Scan# 1587

Delta R.T. -0.08 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

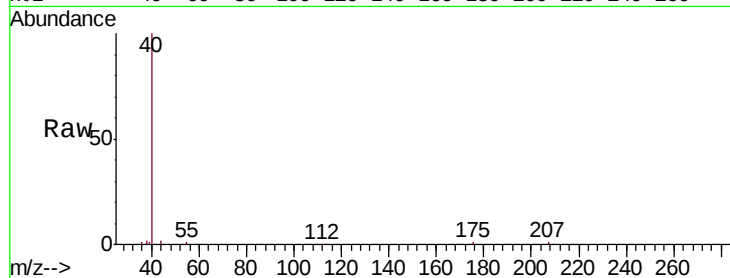
BF-06-031119

Tgt Ion:112 Resp: 22

Ion Ratio Lower Upper

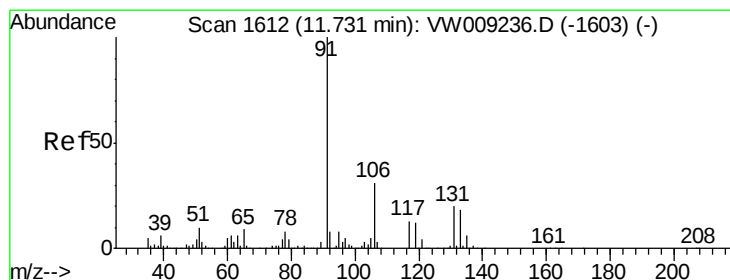
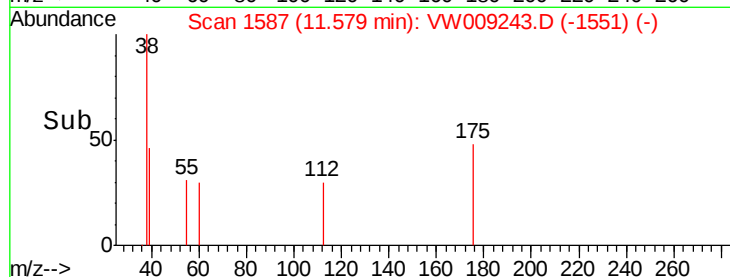
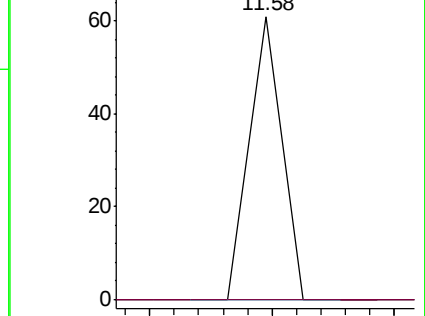
112 100

114 0.0 25.6 38.4#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 25.890 ug/l

RT: 11.54 min Scan# 1581

Delta R.T. -0.19 min

Lab File: VW009243.D

Acq: 19 Mar 2019 16:06

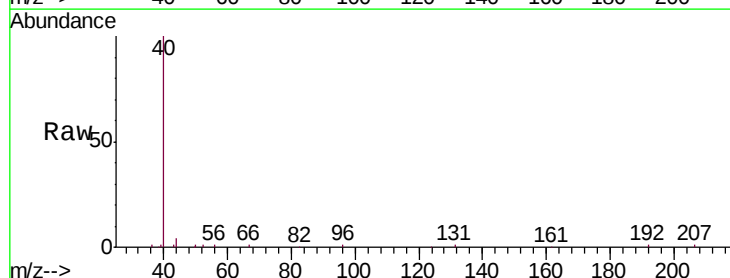
Tgt Ion:131 Resp: 73

Ion Ratio Lower Upper

131 100

133 0.0 47.3 141.8#

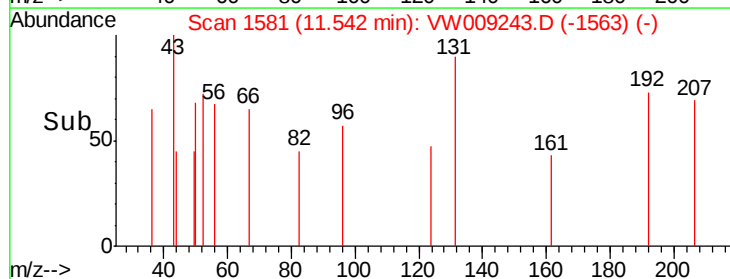
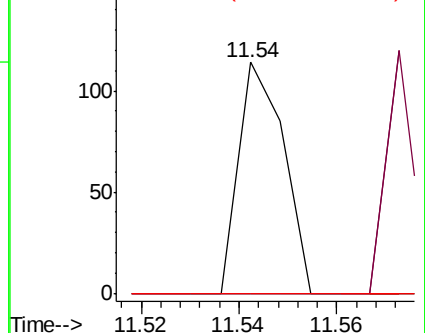
119 0.0 31.6 95.0#

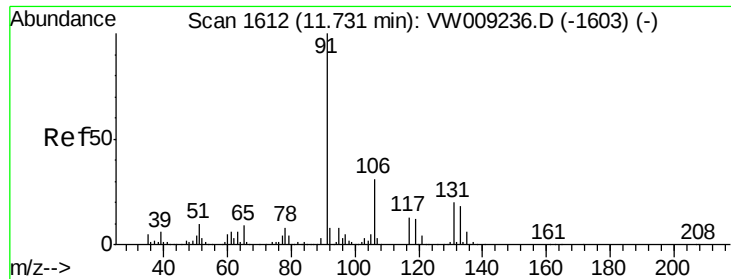


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

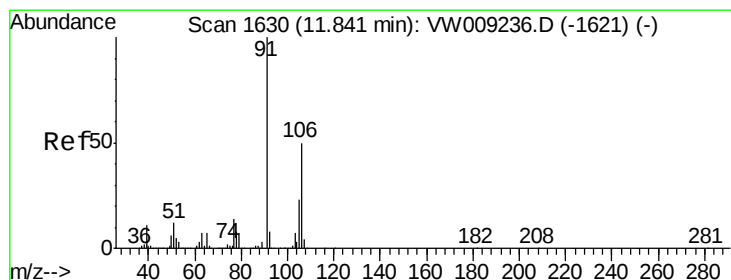
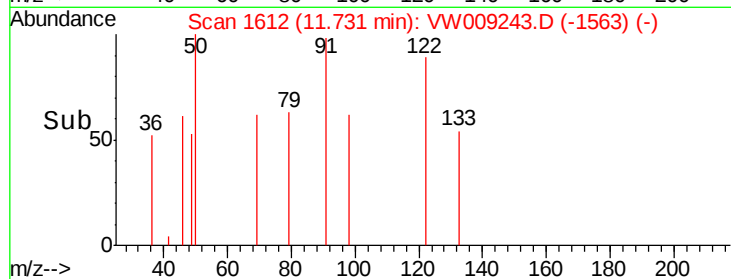
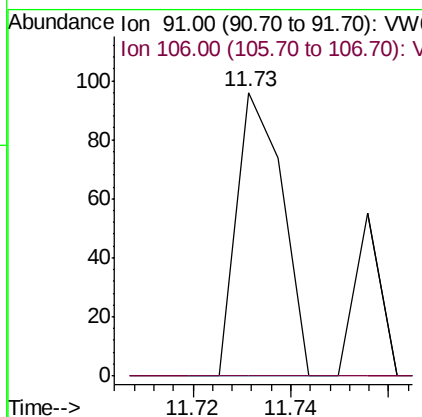
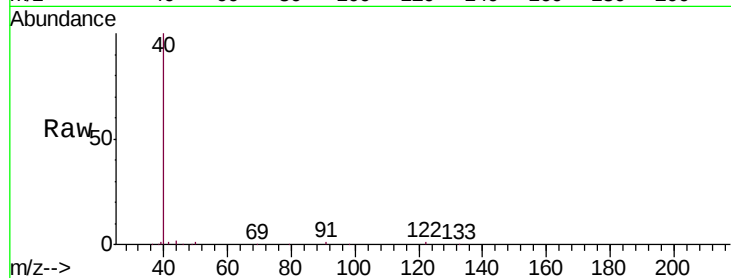




#67
Ethyl Benzene
Concen: 4.742 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

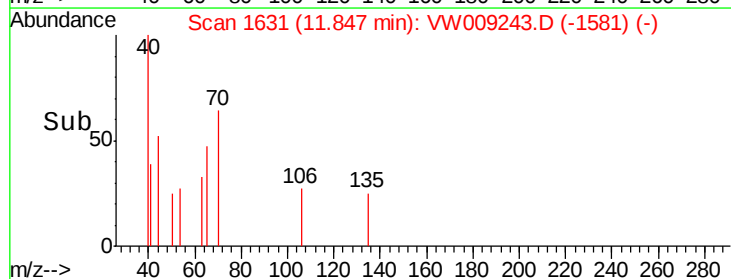
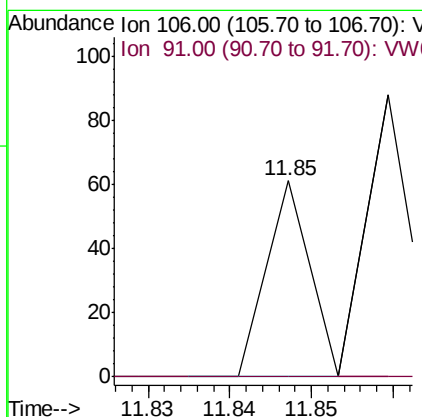
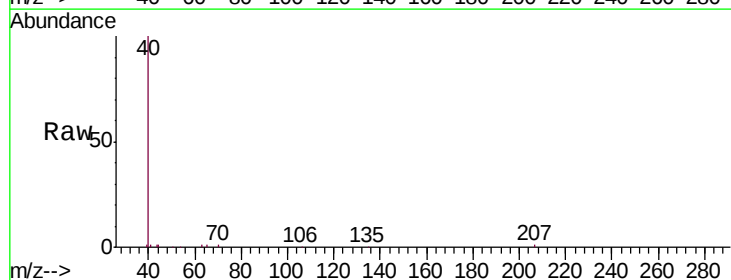
Instrument :
MSVOA_W
ClientSampleId :
BF-06-031119

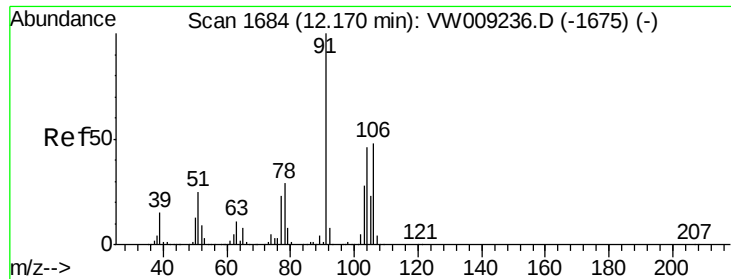
Tgt Ion: 91 Resp: 62
Ion Ratio Lower Upper
91 100
106 0.0 24.6 36.8#



#68
m/p-Xylenes
Concen: 4.341 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

Tgt Ion: 106 Resp: 22
Ion Ratio Lower Upper
106 100
91 0.0 163.1 244.7#

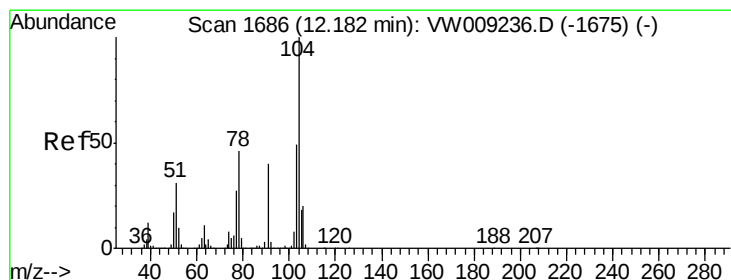
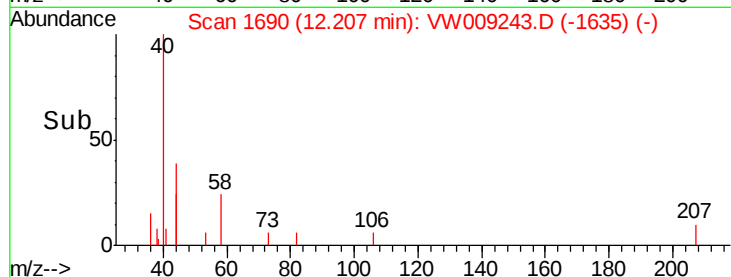
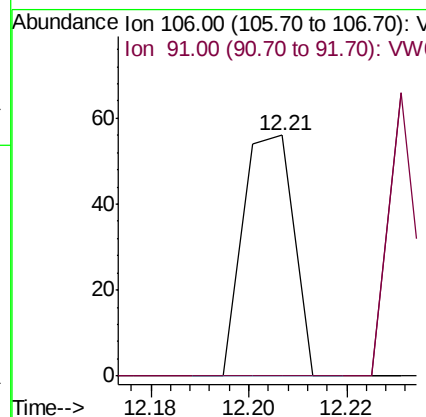
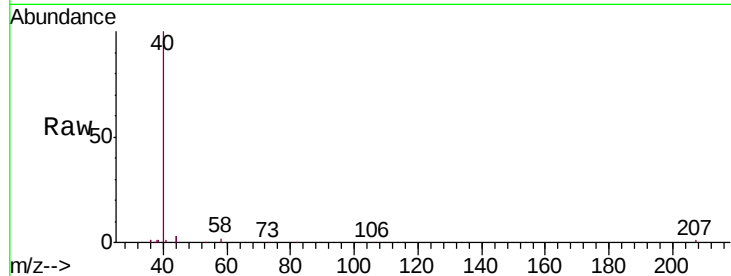




#69
o-Xylene
Concen: 8.500 ug/l
RT: 12.21 min Scan# 1690
Delta R.T. 0.04 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

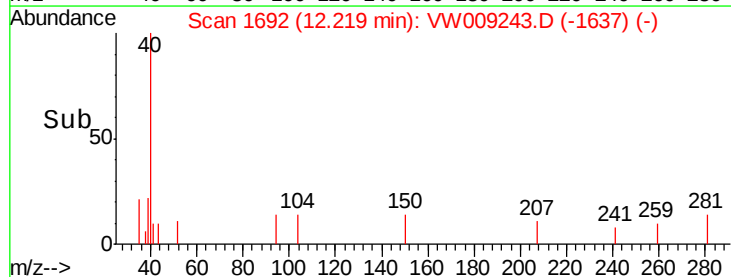
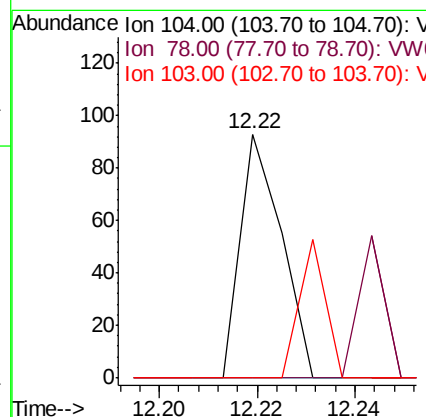
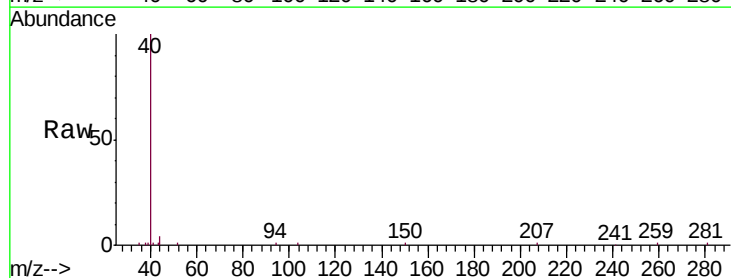
Instrument :
MSVOA_W
ClientSampled :
BF-06-031119

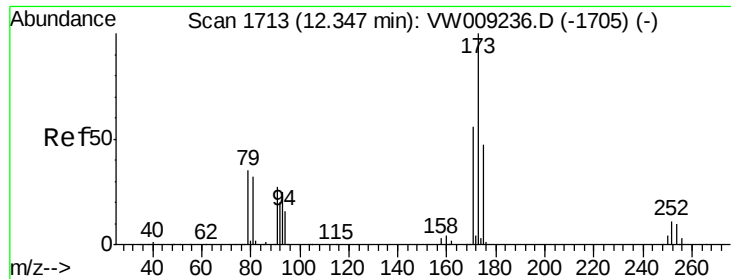
Tgt Ion:106 Resp: 40
Ion Ratio Lower Upper
106 100
91 0.0 108.6 325.8#



#70
Styrene
Concen: 6.960 ug/l
RT: 12.22 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

Tgt Ion:104 Resp: 54
Ion Ratio Lower Upper
104 100
78 0.0 42.2 63.4#
103 0.0 44.6 66.8#

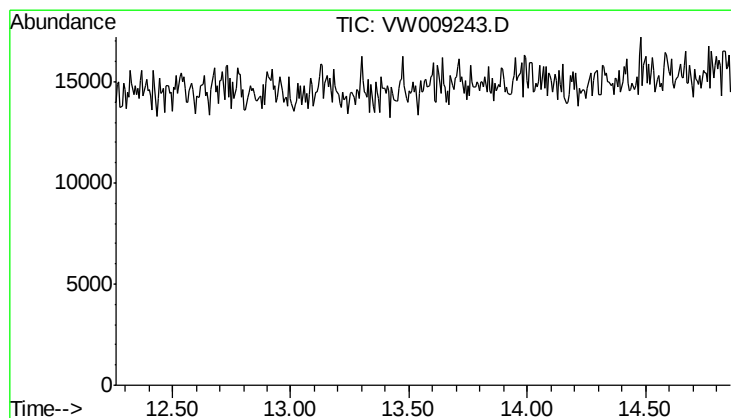
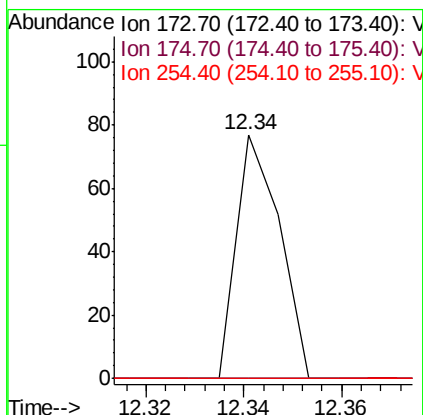
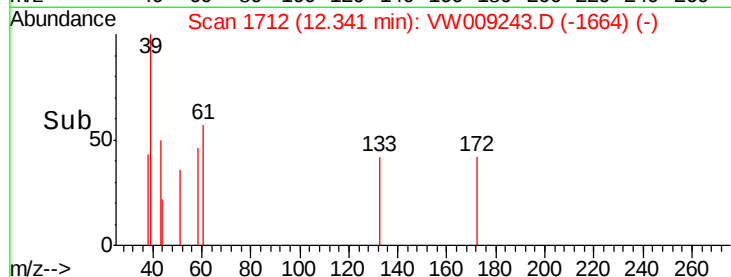
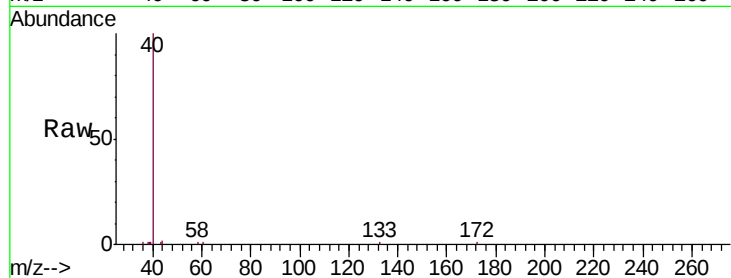




#71
Bromoform
Concen: 30.518 ug/l
RT: 12.34 min Scan# 1712
Delta R.T. -0.01 min
Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

Instrument :
MSVOA_W
ClientSampleId :
BF-06-031119

Tgt Ion:173 Resp: 47
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.2 0.4#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.56 min

Lab File: VW009243.D
Acq: 19 Mar 2019 16:06

Tgt Ion: 152
Sig Exp Ratio
152 100
115 59.2
150 174.6

