

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009077.D
 Acq On : 11 Mar 2019 10:38
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Mar 12 08:08:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	307849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	423012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	230578	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	136497	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	
35) Dibromofluoromethane	7.88	113	121083	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	10.32	98	536911	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.62	95	201559	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	139763	45.048	ug/l	100
3) Chloromethane	2.21	50	182520	46.310	ug/l	100
4) Vinyl Chloride	2.35	62	184956	46.242	ug/l	100
5) Bromomethane	2.76	94	156773	46.433	ug/l	100
6) Chloroethane	2.92	64	128394	45.091	ug/l	97
7) Trichlorofluoromethane	3.26	101	244208	47.420	ug/l	95
8) Diethyl Ether	3.69	74	63479	40.312	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	148884	46.418	ug/l	99
10) Methyl Iodide	4.27	142	151384	43.924	ug/l	99
11) Tert butyl alcohol	5.18	59	43206	182.039	ug/l	99
12) 1,1-Dichloroethene	4.03	96	127368	46.035	ug/l	98
13) Acrolein	3.90	56	60653	232.231	ug/l	98
14) Allyl chloride	4.67	41	224198	45.939	ug/l	98
15) Acrylonitrile	5.37	53	145764	212.092	ug/l	99
16) Acetone	4.14	43	177432	253.865	ug/l	99
17) Carbon Disulfide	4.38	76	448172	48.144	ug/l	99
18) Methyl Acetate	4.68	43	65529	40.773	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	313257	42.801	ug/l	100
20) Methylene Chloride	4.92	84	153566	46.306	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	147713	46.237	ug/l	97
22) Diisopropyl ether	6.31	45	445520	45.936	ug/l	97
23) Vinyl Acetate	6.26	43	1298568	215.160	ug/l	99
24) 1,1-Dichloroethane	6.21	63	262815	46.719	ug/l	98
25) 2-Butanone	7.17	43	213548	221.081	ug/l	97
26) 2,2-Dichloropropane	7.16	77	250954	49.078	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	157498	45.904	ug/l	98
28) Bromochloromethane	7.51	49	109418	46.762	ug/l	96
29) Tetrahydrofuran	7.53	42	120314	197.656	ug/l	99
30) Chloroform	7.67	83	271459	46.871	ug/l	97
31) Cyclohexane	7.95	56	256506	44.408	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	253135	47.361	ug/l	100
36) 1,1-Dichloropropene	8.08	75	217353	49.141	ug/l	99
37) Ethyl Acetate	7.26	43	81495	39.226	ug/l	99
38) Carbon Tetrachloride	8.07	117	229463	50.234	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	268179	50.905	ug/l	97
40) Benzene	8.32	78	591096	50.062	ug/l	99
41) Methacrylonitrile	7.48	41	47779	41.414	ug/l	98
42) 1,2-Dichloroethane	8.40	62	175039	45.920	ug/l	100
43) Isopropyl Acetate	8.42	43	163523	42.260	ug/l	99
44) Trichloroethene	9.09	130	159007	48.049	ug/l	98
45) 1,2-Dichloropropane	9.37	63	143752	48.611	ug/l	100
46) Dibromomethane	9.46	93	75123	46.515	ug/l	99
47) Bromodichloromethane	9.64	83	197094	48.210	ug/l	99
48) Methyl methacrylate	9.43	41	80403	44.625	ug/l	92
49) 1,4-Dioxane	9.45	88	21737	939.899	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	425509	216.612	ug/l	100
52) Toluene	10.39	92	413749	51.670	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	196201	48.523	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	224572	48.331	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	101974	46.585	ug/l	99
56) Ethyl methacrylate	10.65	69	128432	47.275	ug/l	98
57) 1,3-Dichloropropane	10.93	76	176105	45.414	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	325547	231.151	ug/l	99
59) 2-Hexanone	10.97	43	336062	243.324	ug/l	98
60) Dibromochloromethane	11.13	129	128852	47.565	ug/l	98
61) 1,2-Dibromoethane	11.24	107	97654	45.507	ug/l	100
64) Tetrachloroethene	10.86	164	150157	50.309	ug/l	98
65) Chlorobenzene	11.66	112	447158	49.637	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	148221	49.277	ug/l	99
67) Ethyl Benzene	11.73	91	830220	51.014	ug/l	99
68) m/p-Xylenes	11.84	106	660155	102.769	ug/l	99
69) o-Xylene	12.16	106	303825	50.833	ug/l	99
70) Styrene	12.18	104	492301	50.908	ug/l	99
71) Bromoform	12.35	173	76112	47.126	ug/l #	97
73) Isopropylbenzene	12.46	105	856665	51.881	ug/l	100
74) N-amyl acetate	12.27	43	176377	45.122	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	115315	44.273	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	169135	92.842	ug/l #	1
77) Bromobenzene	12.75	156	191948	50.877	ug/l	94
78) n-propylbenzene	12.80	91	1069325	52.576	ug/l	100
79) 2-Chlorotoluene	12.90	91	583053	51.024	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	740438	52.022	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	38332	47.064	ug/l	97
82) 4-Chlorotoluene	12.99	91	618084	50.742	ug/l	99
83) tert-Butylbenzene	13.21	119	625889	52.140	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	755870	52.499	ug/l	99
85) sec-Butylbenzene	13.39	105	936315	52.645	ug/l	99
86) p-Isopropyltoluene	13.50	119	837536	52.641	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	403679	50.913	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	394763	50.380	ug/l	100
89) n-Butylbenzene	13.83	91	814968	53.881	ug/l	99
90) Hexachloroethane	14.10	117	145872	53.160	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	349374	49.943	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21802	46.997	ug/l	98

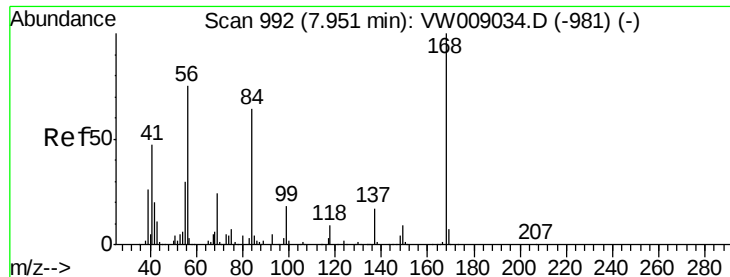
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QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	239722	50.742	ug/l	98
94) Hexachlorobutadiene	15.24	225	155110	52.417	ug/l	99
95) Naphthalene	15.37	128	373298	48.270	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	200845	48.347	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

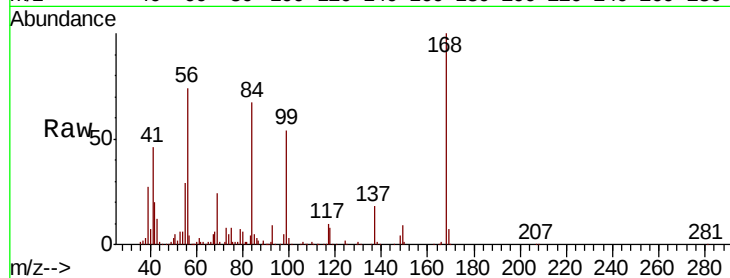
BFB

Tgt Ion:168 Resp: 307849

Ion Ratio Lower Upper

168 100

99 53.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

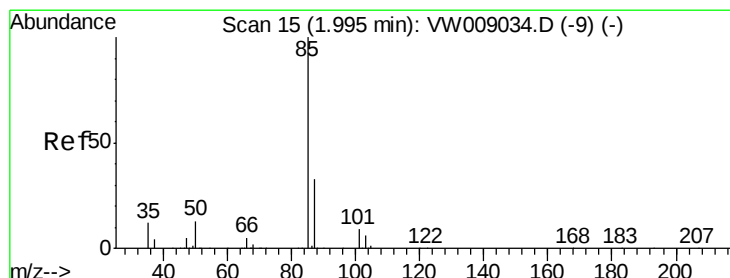
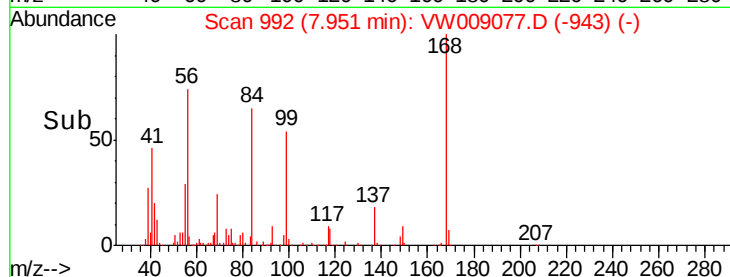
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 45.048 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009077.D

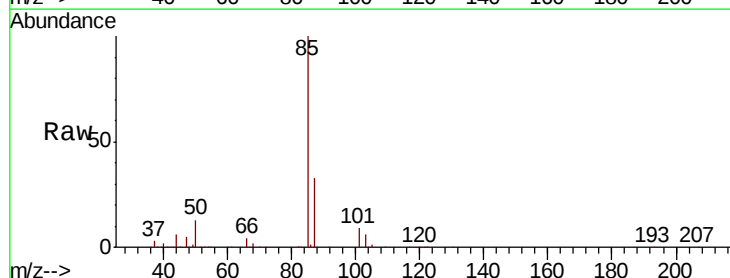
Acq: 11 Mar 2019 10:38

Tgt Ion: 85 Resp: 139763

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100000

80000

60000

40000

20000

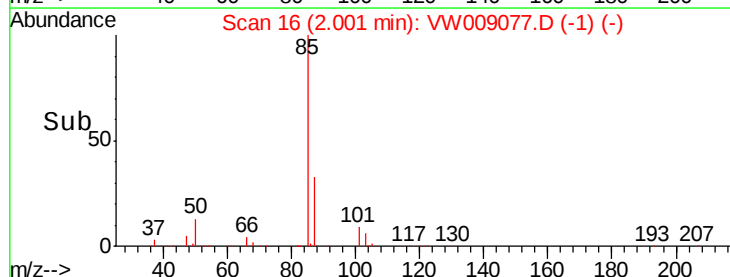
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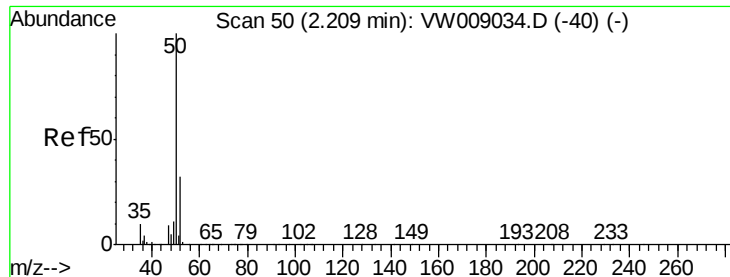
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 46.310 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

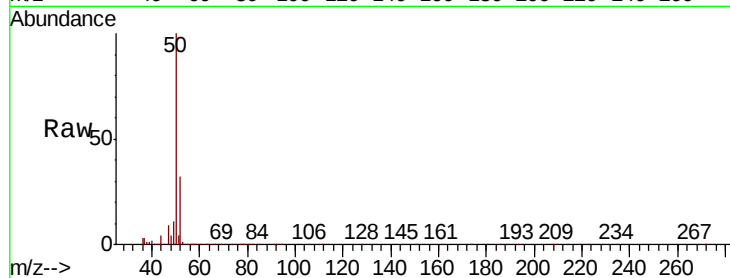
BFB

Tgt Ion: 50 Resp: 182520

Ion Ratio Lower Upper

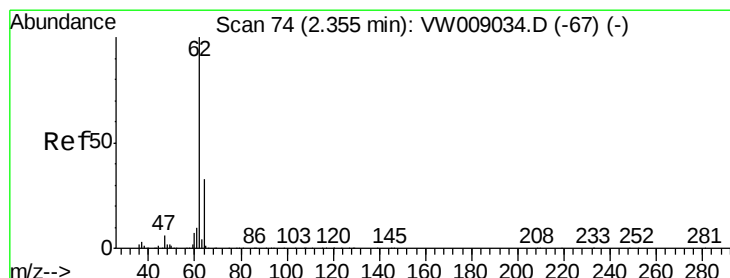
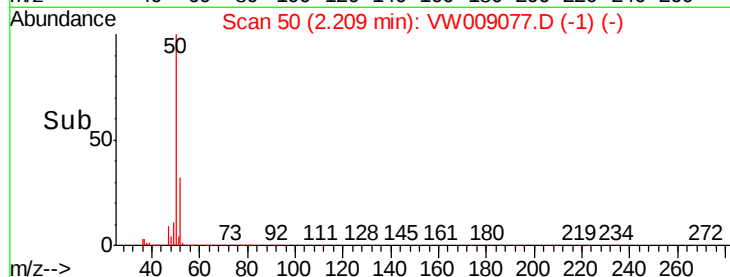
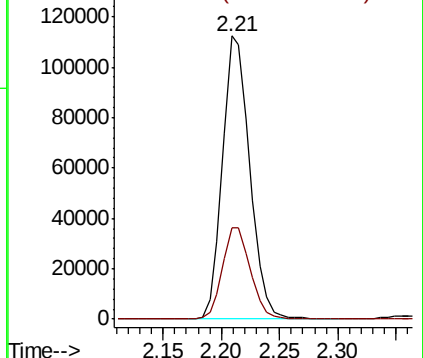
50 100

52 32.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 46.242 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009077.D

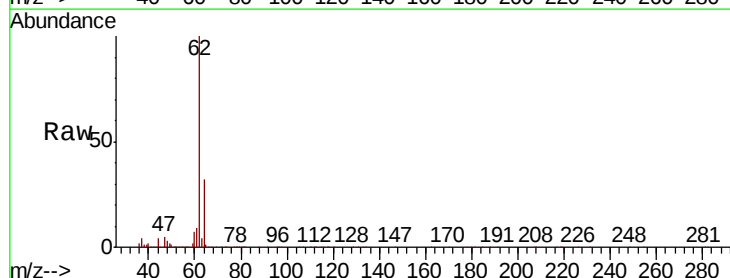
Acq: 11 Mar 2019 10:38

Tgt Ion: 62 Resp: 184956

Ion Ratio Lower Upper

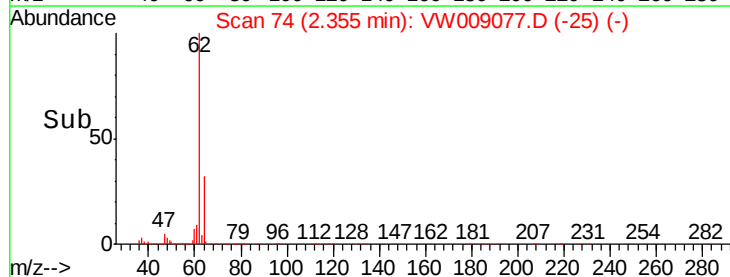
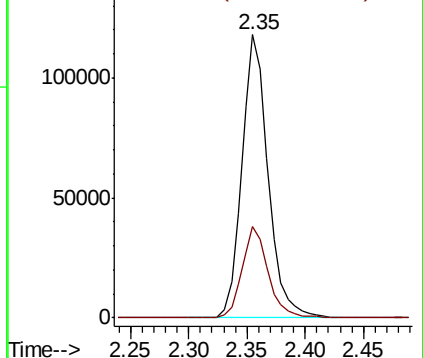
62 100

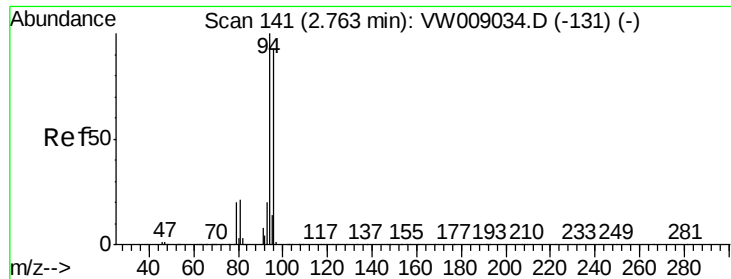
64 32.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 46.433 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

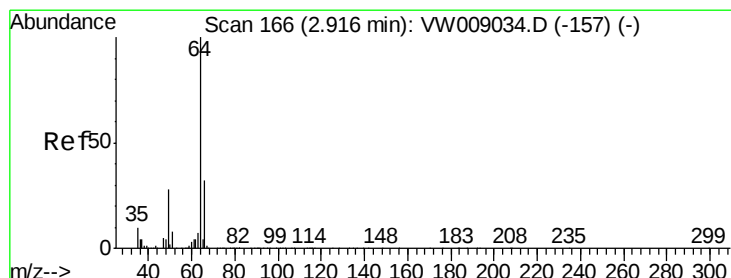
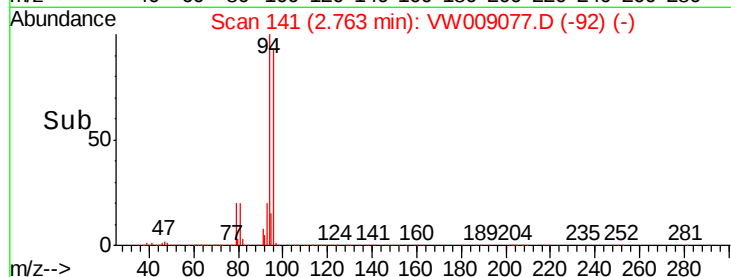
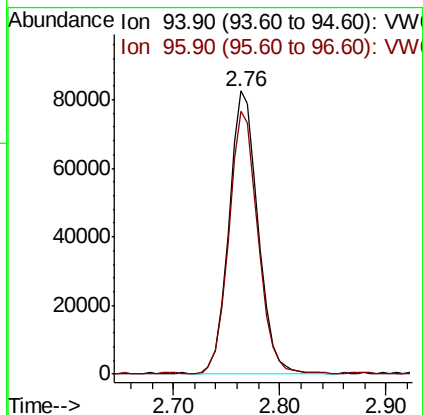
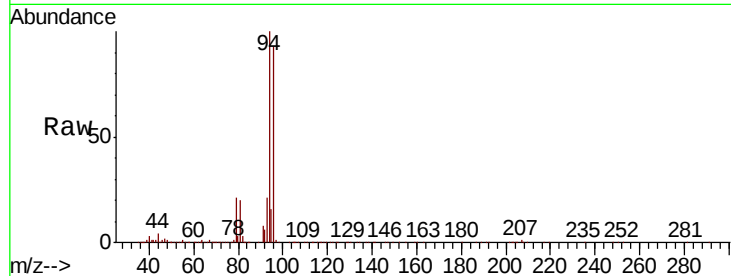
BFB

Tgt Ion: 94 Resp: 156773

Ion Ratio Lower Upper

94 100

96 92.9 74.4 111.6



#6

Chloroethane

Concen: 45.091 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW009077.D

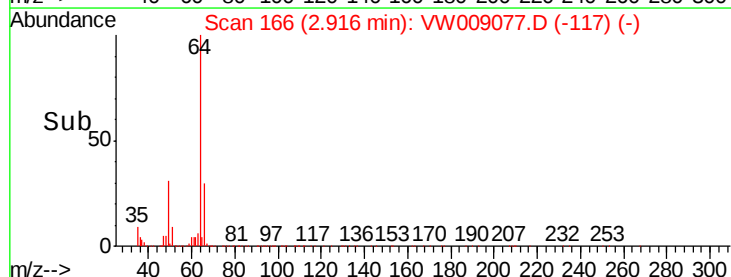
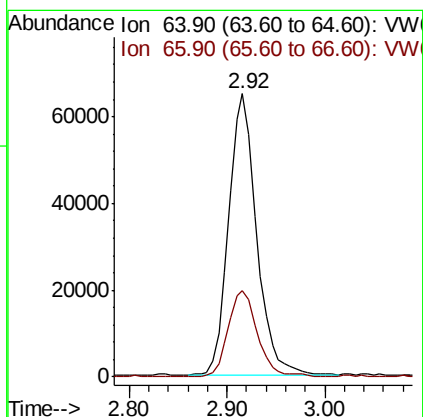
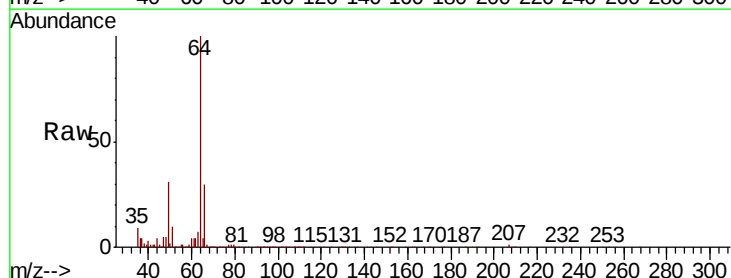
Acq: 11 Mar 2019 10:38

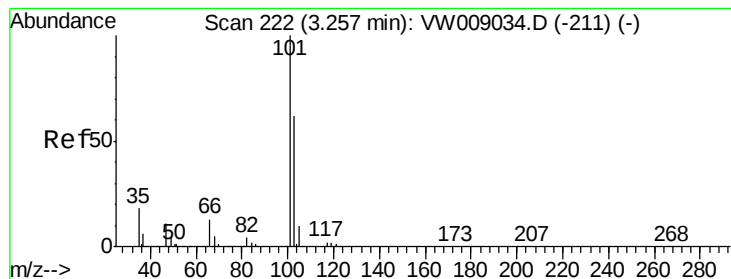
Tgt Ion: 64 Resp: 128394

Ion Ratio Lower Upper

64 100

66 30.5 25.5 38.3



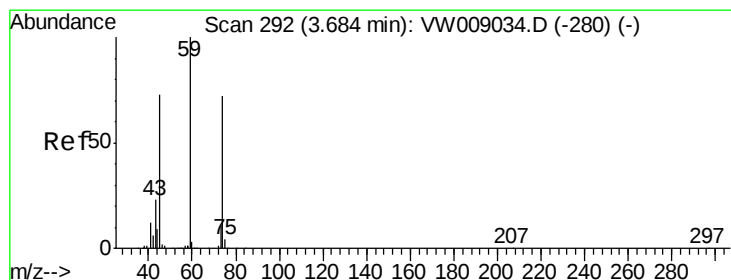
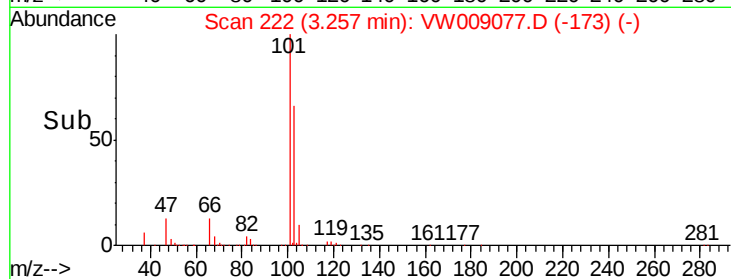
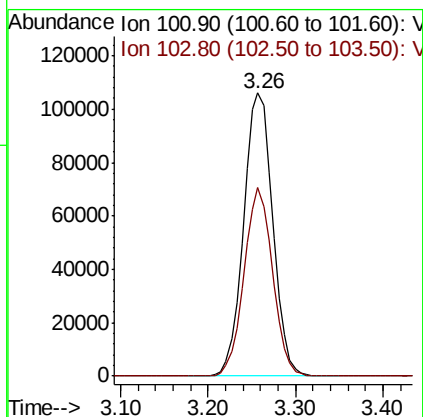
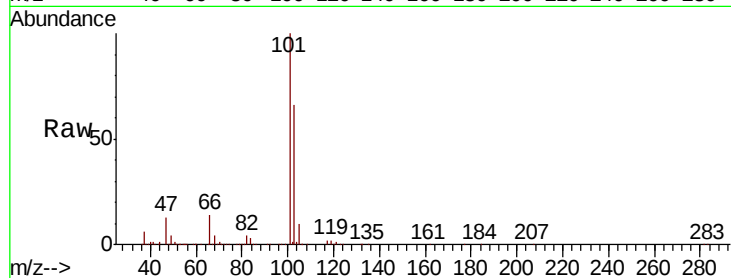


#7

Trichlorofluoromethane
 Concen: 47.420 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

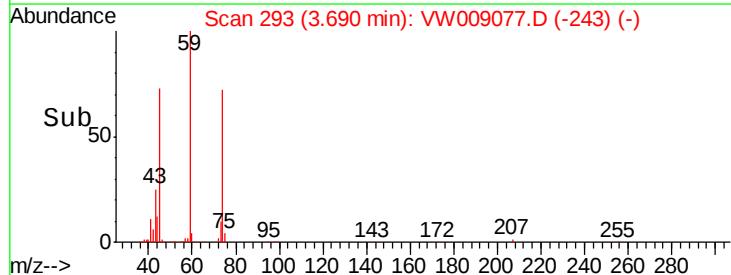
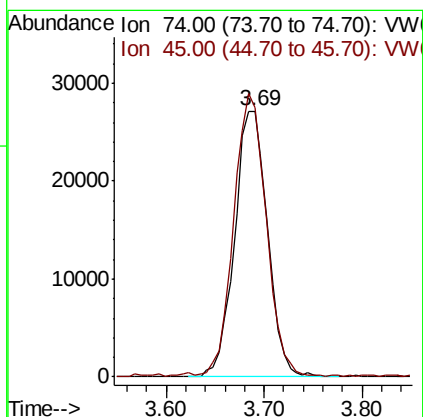
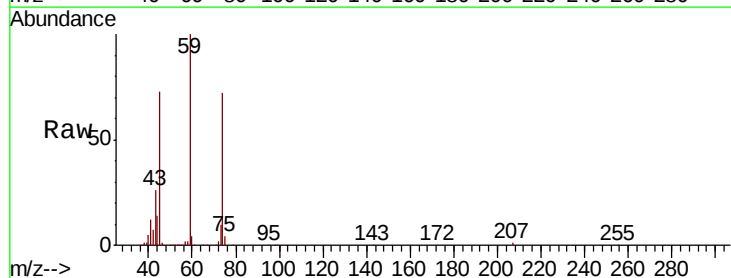
Tgt Ion:101 Resp: 244208
 Ion Ratio Lower Upper
 101 100
 103 66.5 49.9 74.9

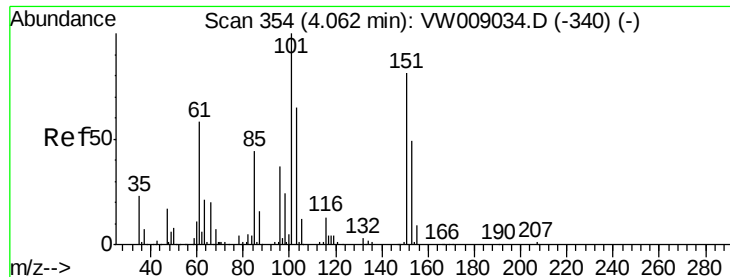


#8

Diethyl Ether
 Concen: 40.312 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

Tgt Ion: 74 Resp: 63479
 Ion Ratio Lower Upper
 74 100
 45 104.2 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.418 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

BFB

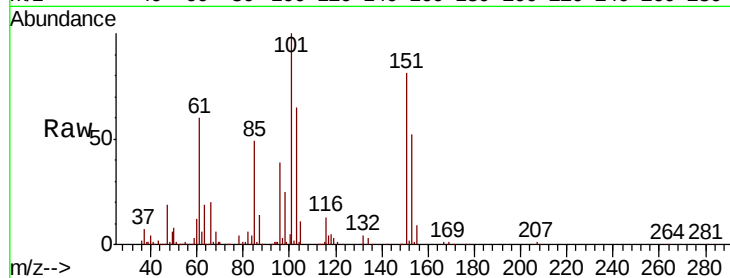
Tgt Ion:101 Resp: 148884

Ion Ratio Lower Upper

101 100

85 46.6 36.2 54.4

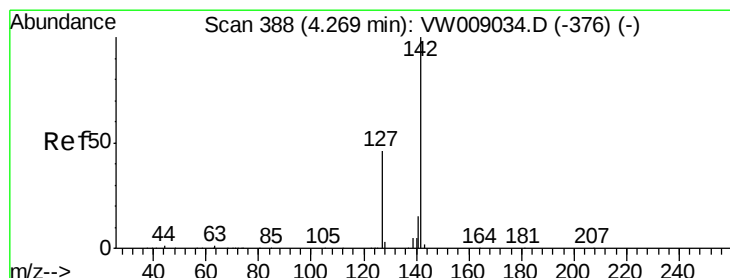
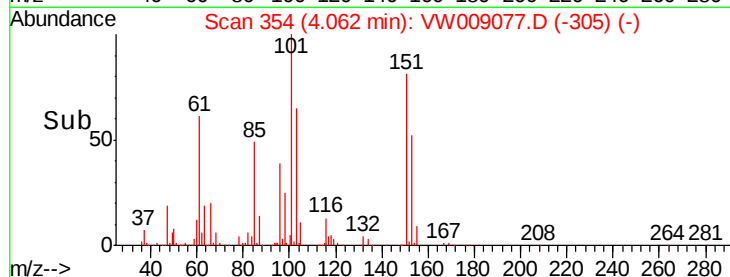
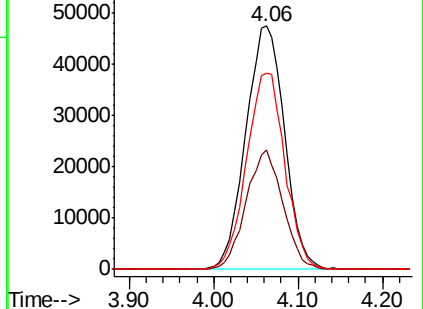
151 79.9 63.4 95.2



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: 43.924 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

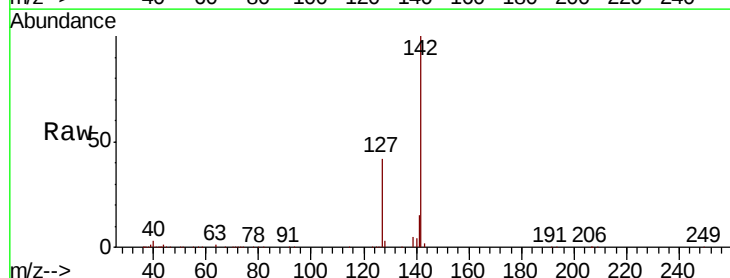
Tgt Ion:142 Resp: 151384

Ion Ratio Lower Upper

142 100

127 45.7 35.8 53.6

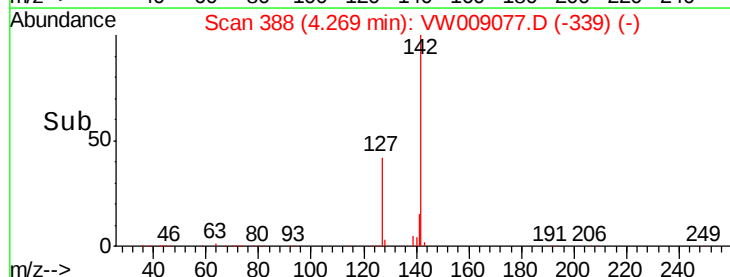
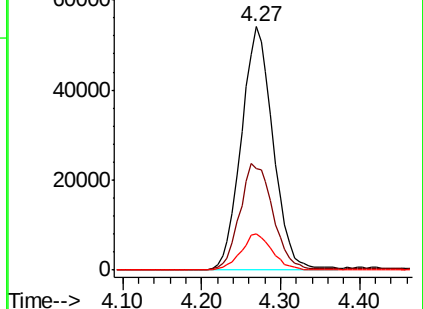
141 14.9 11.8 17.8

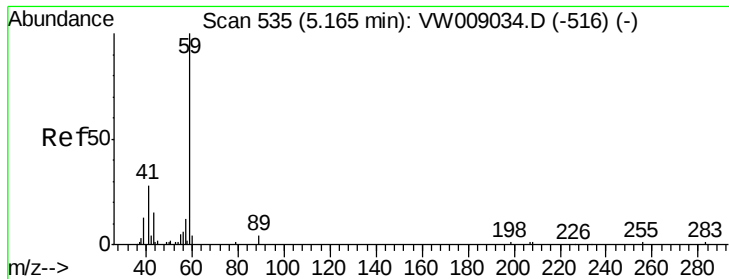


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

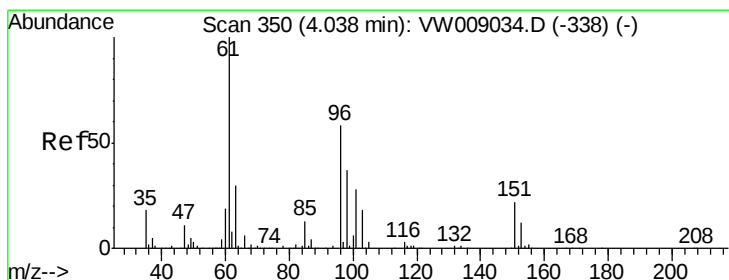
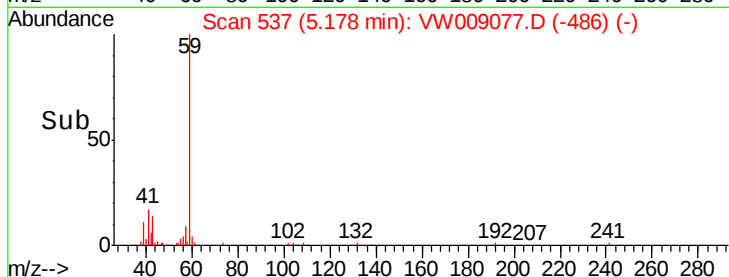
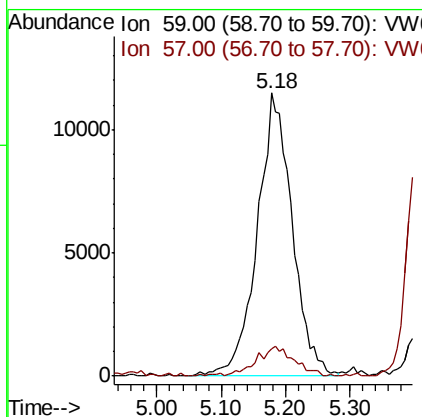
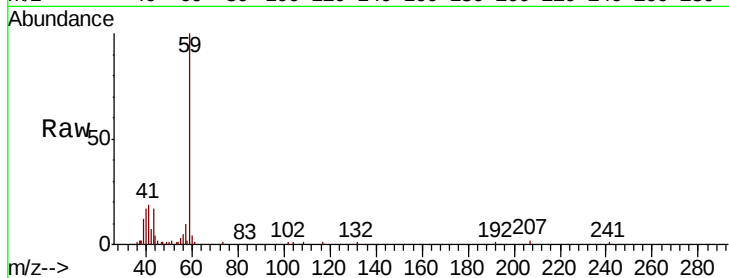




#11
Tert butyl alcohol
Concen: 182.039 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

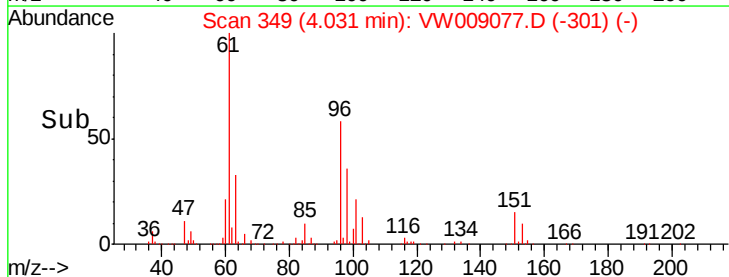
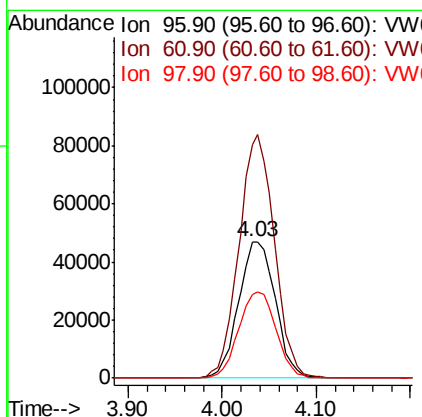
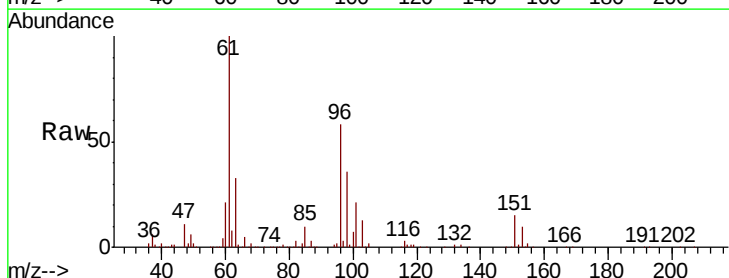
Instrument :
MSVOA_W
ClientSampled :
BFB

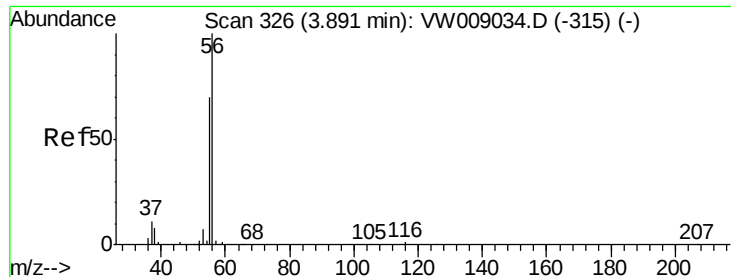
Tgt Ion: 59 Resp: 43206
Ion Ratio Lower Upper
59 100
57 11.2 8.6 12.8



#12
1,1-Dichloroethene
Concen: 46.035 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 96 Resp: 127368
Ion Ratio Lower Upper
96 100
61 171.0 138.2 207.2
98 60.7 51.3 76.9

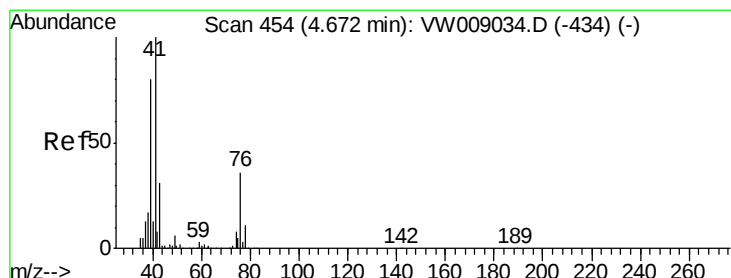
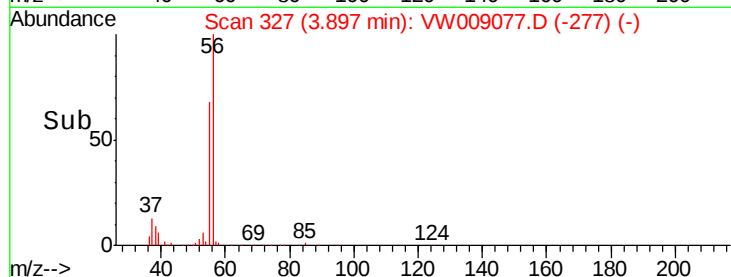
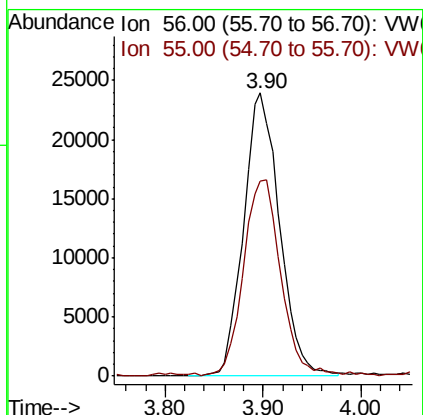
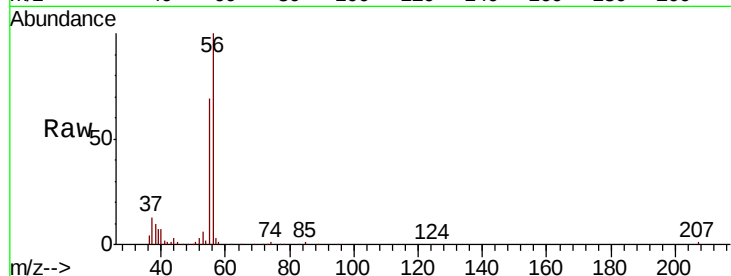




#13
Acrolein
Concen: 232.231 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

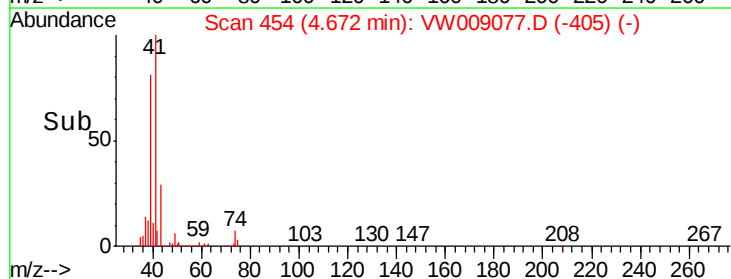
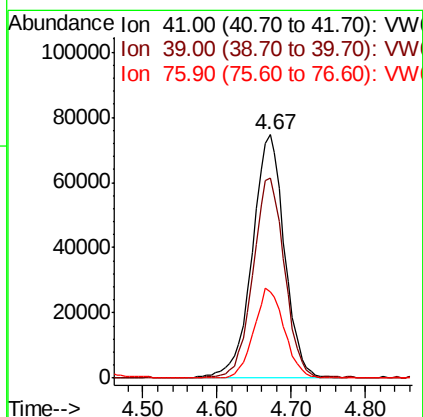
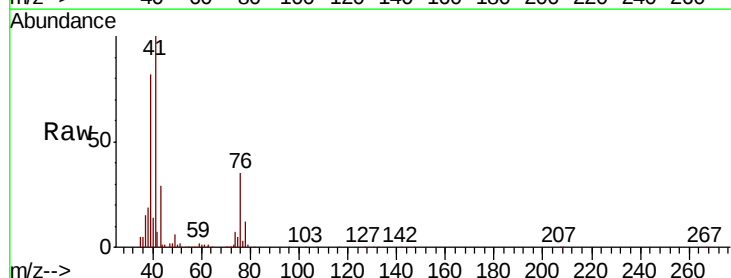
Instrument :
MSVOA_W
ClientSampled :
BFB

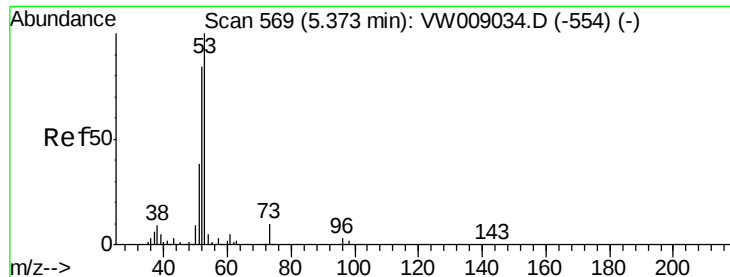
Tgt Ion: 56 Resp: 60653
Ion Ratio Lower Upper
56 100
55 72.3 56.6 84.8



#14
Allyl chloride
Concen: 45.939 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 41 Resp: 224198
Ion Ratio Lower Upper
41 100
39 80.8 63.0 94.4
76 35.2 28.2 42.2





#15

Acrylonitrile

Concen: 212.092 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

BFB

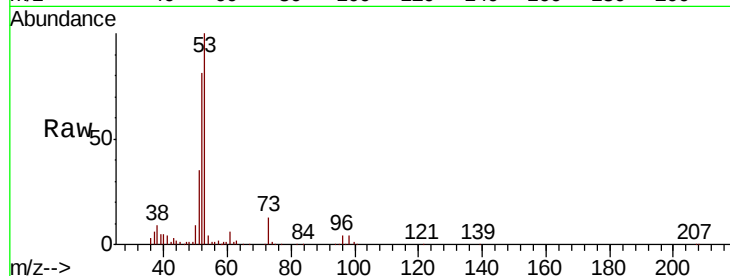
Tgt Ion: 53 Resp: 145764

Ion Ratio Lower Upper

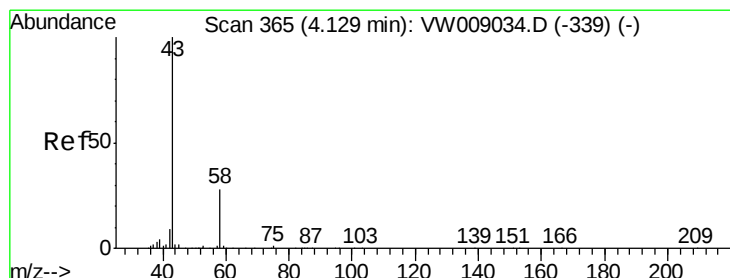
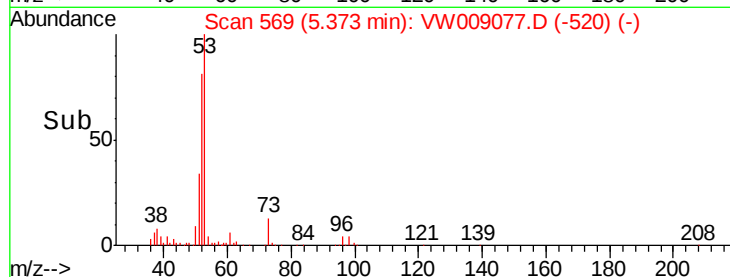
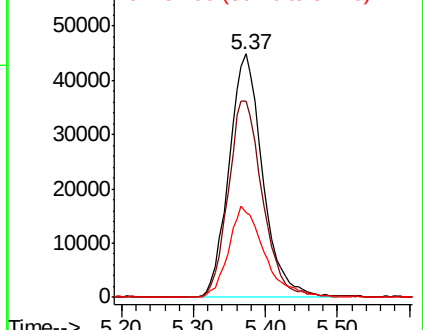
53 100

52 82.6 67.2 100.8

51 39.1 31.8 47.6



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: 253.865 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009077.D

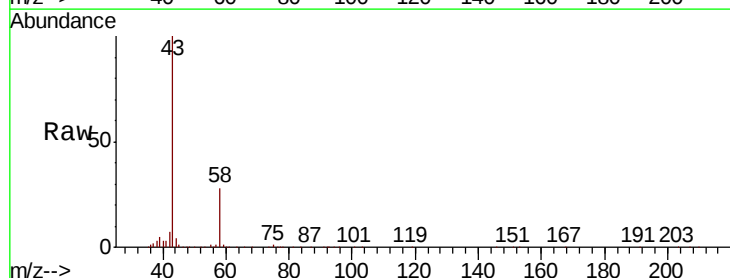
Acq: 11 Mar 2019 10:38

Tgt Ion: 43 Resp: 177432

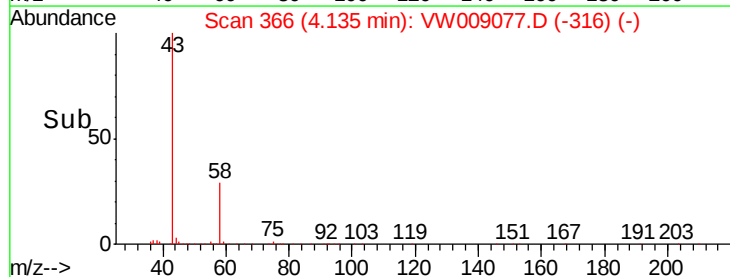
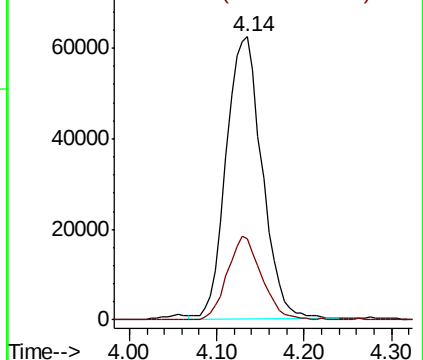
Ion Ratio Lower Upper

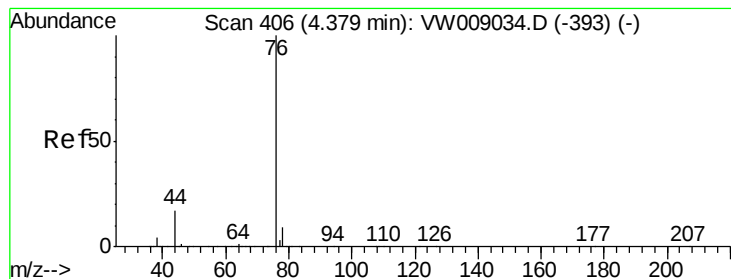
43 100

58 28.5 22.5 33.7



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





#17

Carbon Disulfide

Concen: 48.144 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

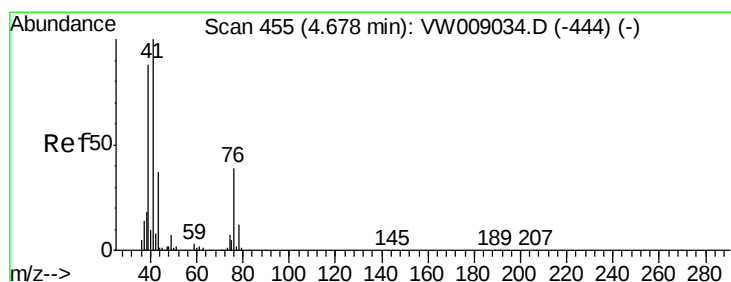
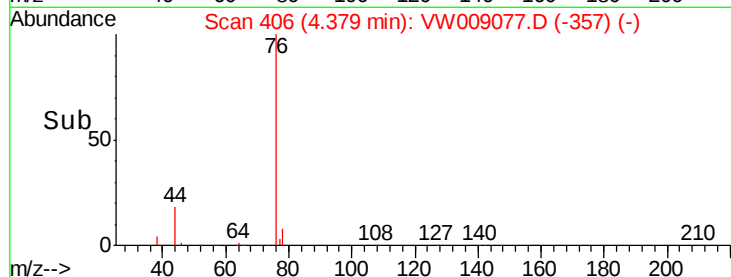
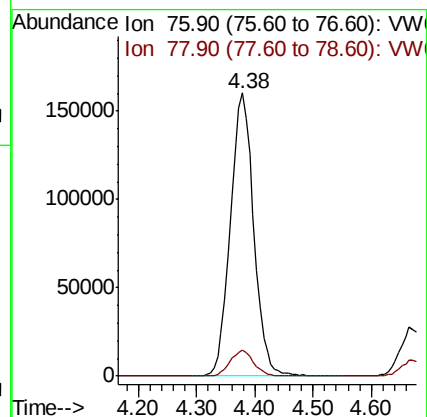
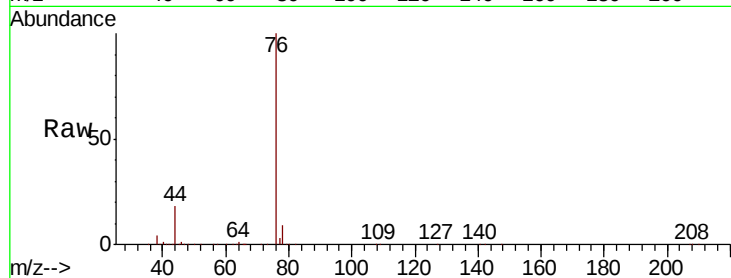
BFB

Tgt Ion: 76 Resp: 448172

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



#18

Methyl Acetate

Concen: 40.773 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW009077.D

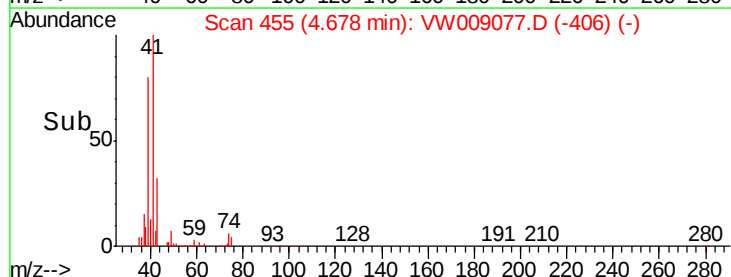
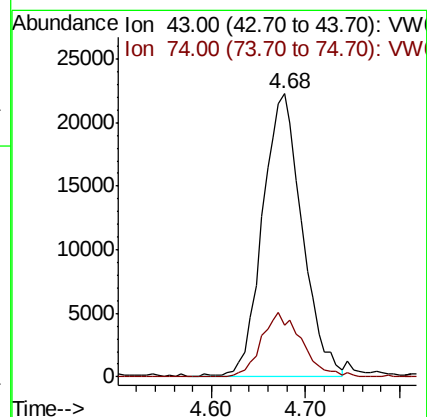
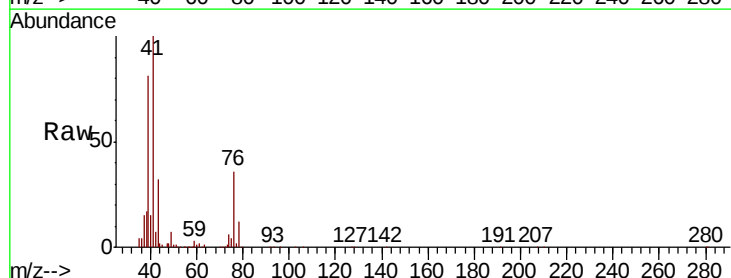
Acq: 11 Mar 2019 10:38

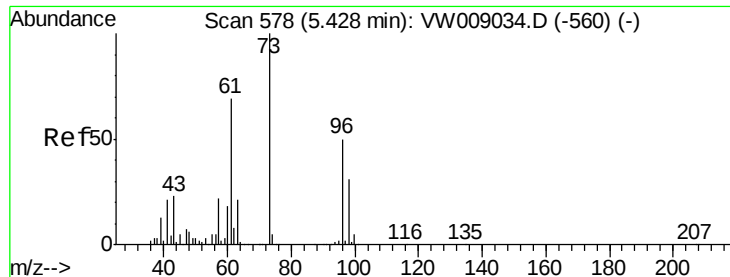
Tgt Ion: 43 Resp: 65529

Ion Ratio Lower Upper

43 100

74 23.3 17.6 26.4

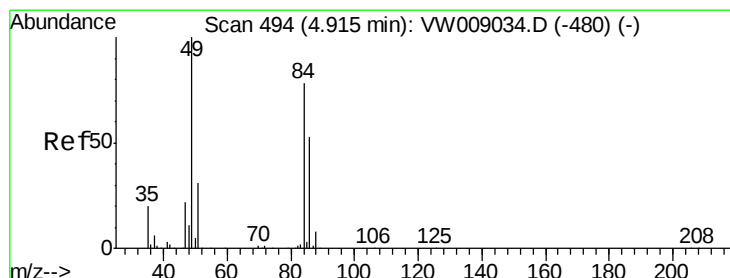
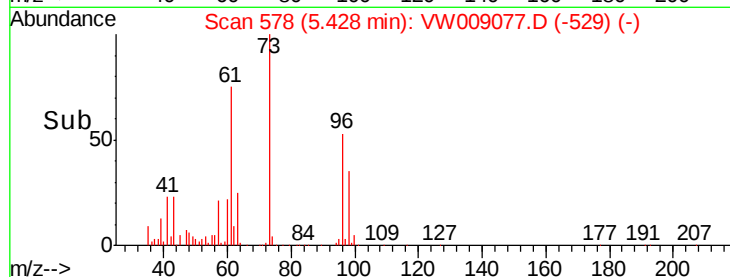
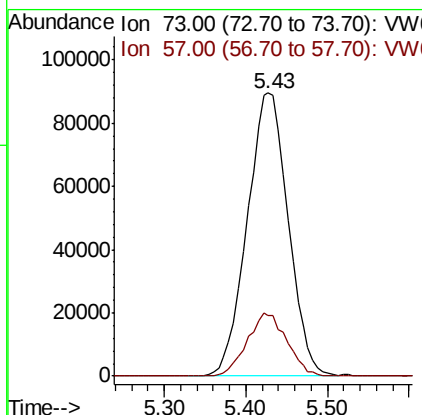
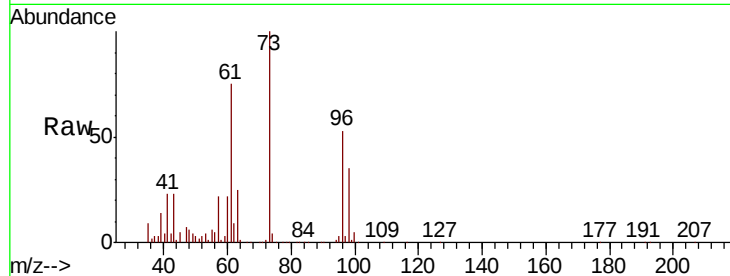




#19
Methyl tert-butyl Ether
Concen: 42.801 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

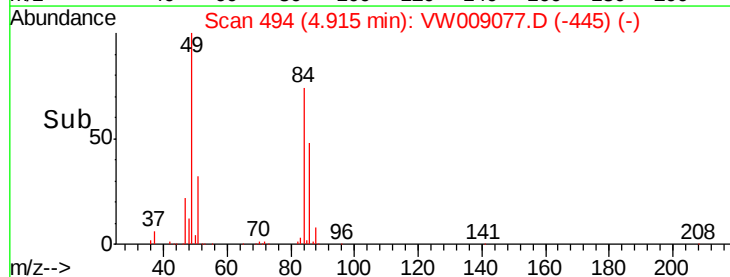
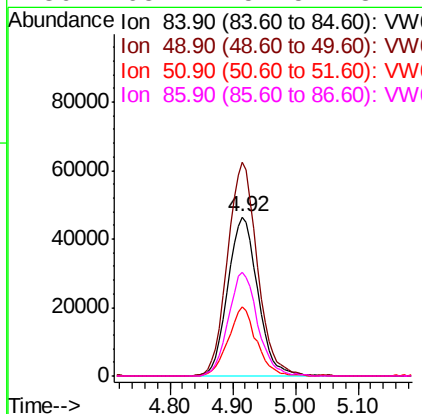
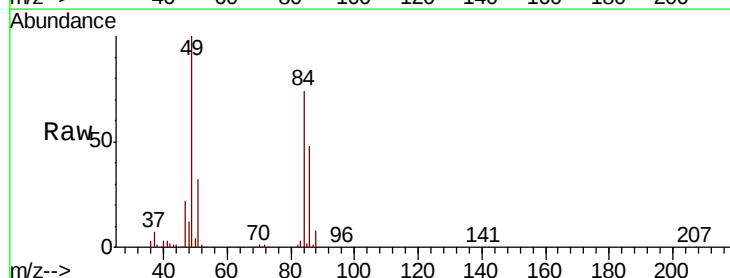
Instrument :
MSVOA_W
ClientSampled :
BFB

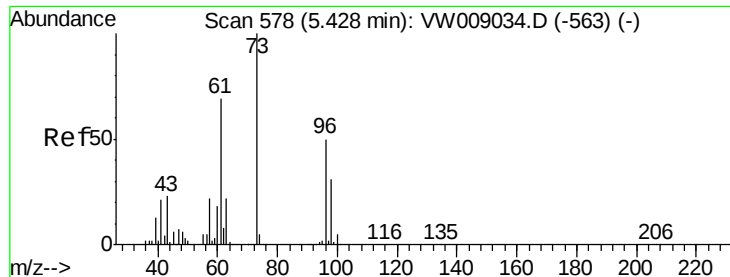
Tgt Ion: 73 Resp: 313257
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9



#20
Methylene Chloride
Concen: 46.306 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 84 Resp: 153566
Ion Ratio Lower Upper
84 100
49 134.3 102.4 153.6
51 43.0 31.6 47.4
86 65.1 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 46.237 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

BFB

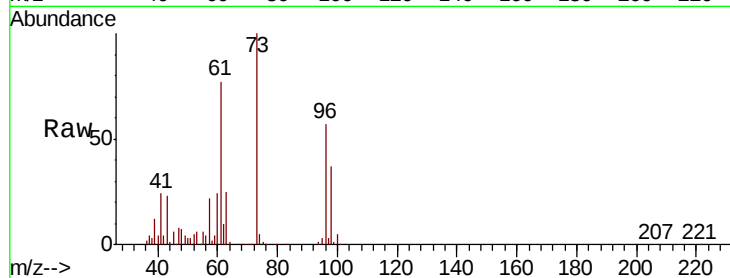
Tgt Ion: 96 Resp: 147713

Ion Ratio Lower Upper

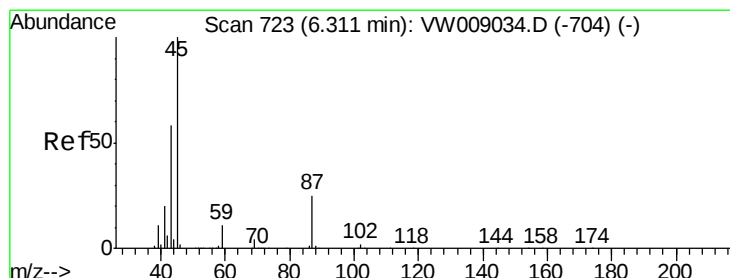
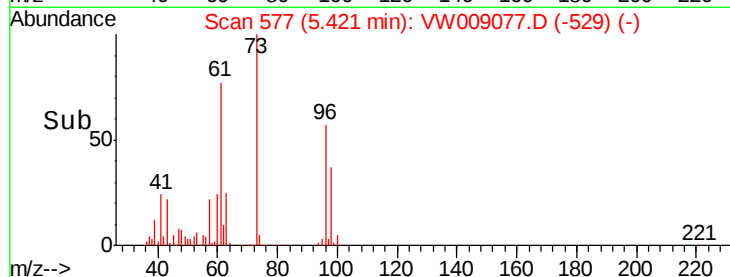
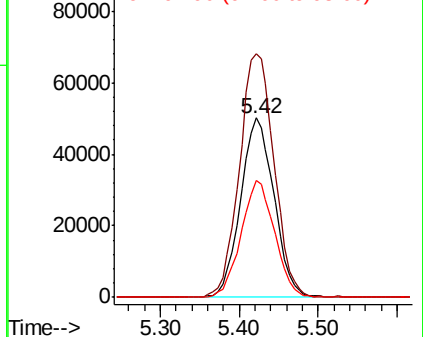
96 100

61 135.5 111.0 166.6

98 65.0 49.4 74.0



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: 45.936 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Tgt Ion: 45 Resp: 445520

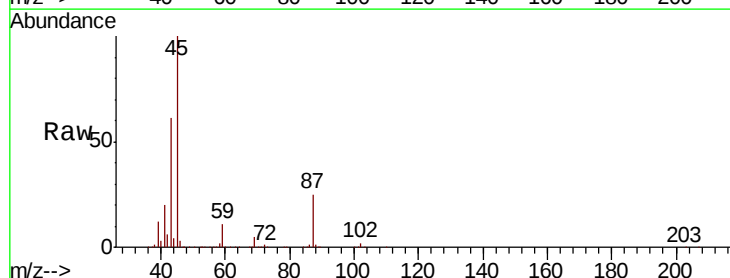
Ion Ratio Lower Upper

45 100

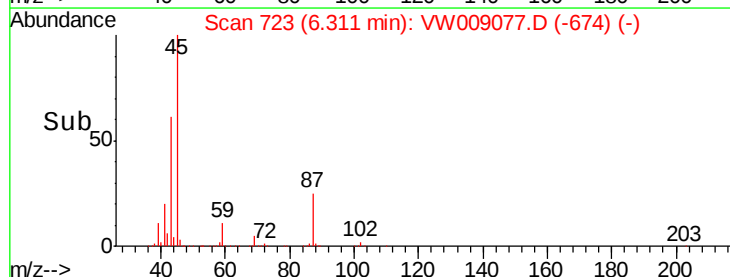
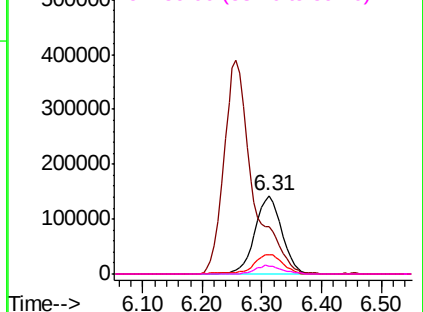
43 60.8 46.2 69.4

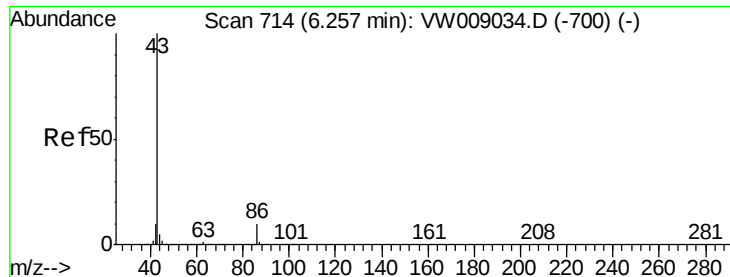
87 25.2 20.1 30.1

59 10.6 8.4 12.6



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





#23

Vinyl Acetate

Concen: 215.160 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampled :

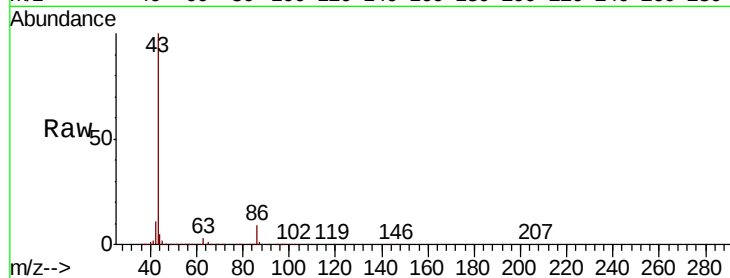
BFB

Tgt Ion: 43 Resp: 1298568

Ion Ratio Lower Upper

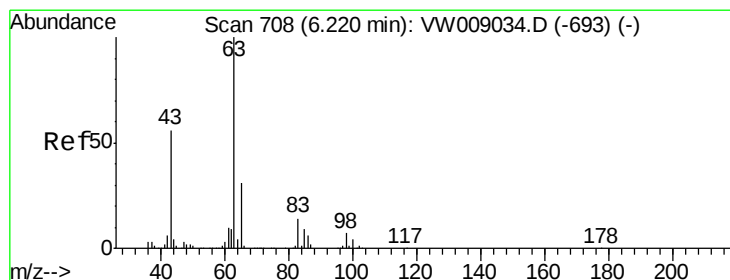
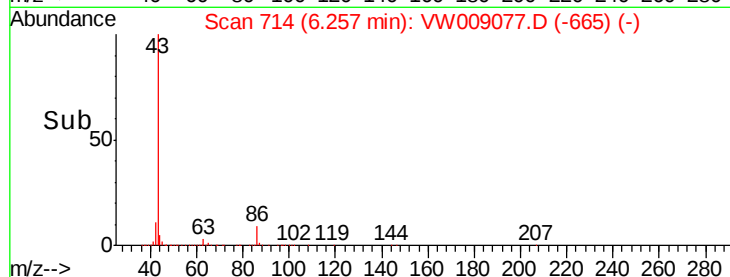
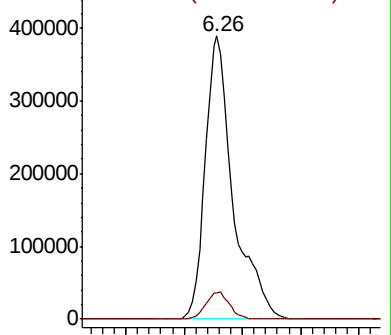
43 100

86 9.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 46.719 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

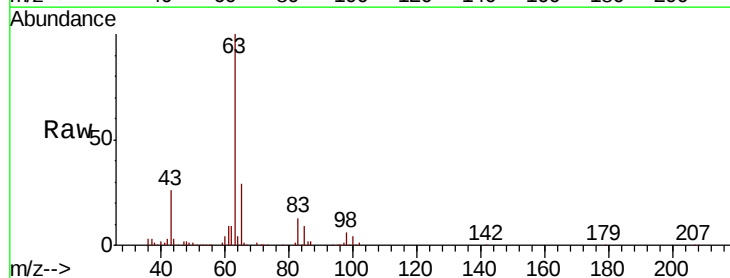
Tgt Ion: 63 Resp: 262815

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

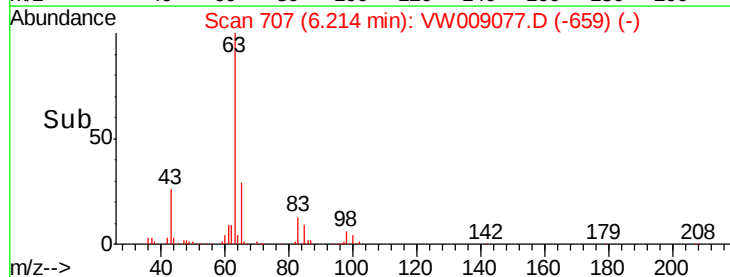
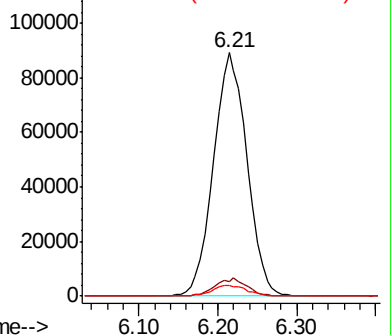
100 4.3 2.1 6.2

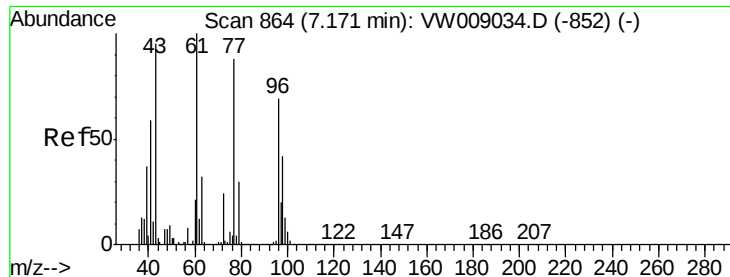


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 221.081 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

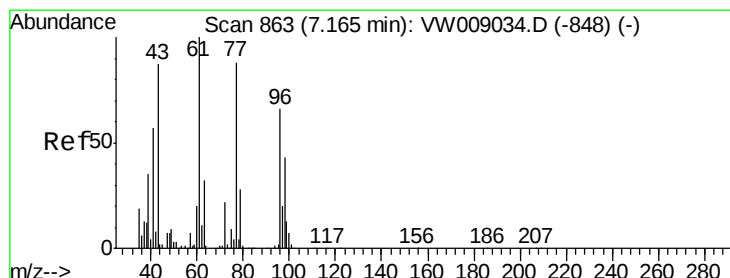
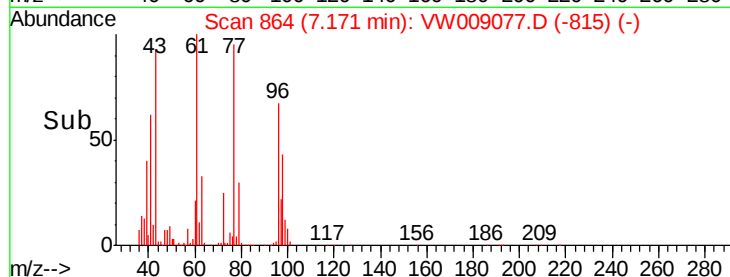
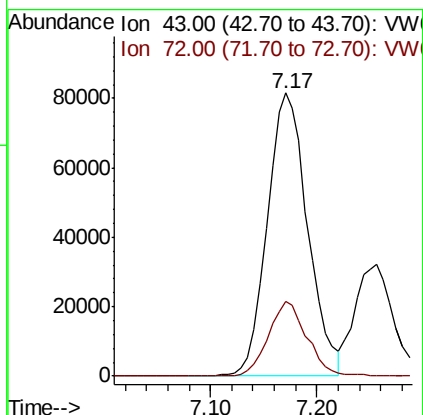
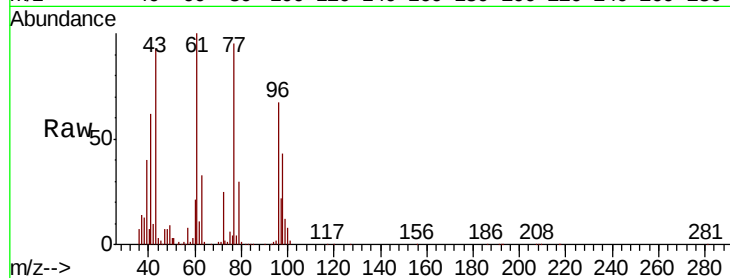
BFB

Tgt Ion: 43 Resp: 213548

Ion Ratio Lower Upper

43 100

72 26.4 20.0 30.0



#26

2,2-Dichloropropane

Concen: 49.078 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009077.D

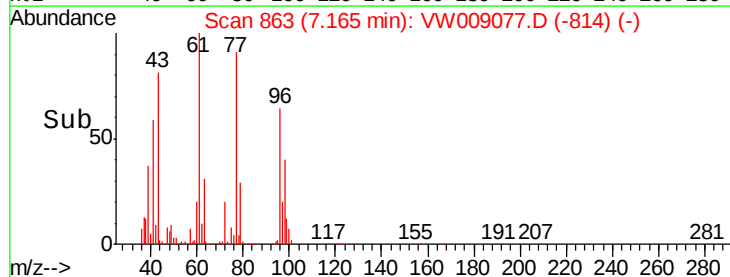
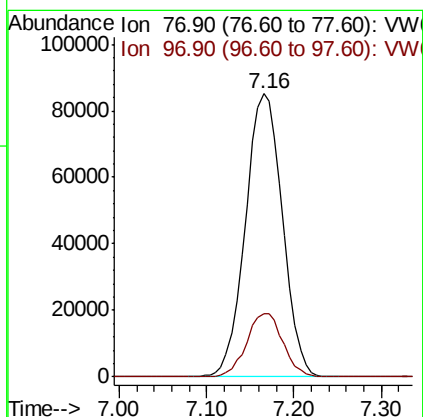
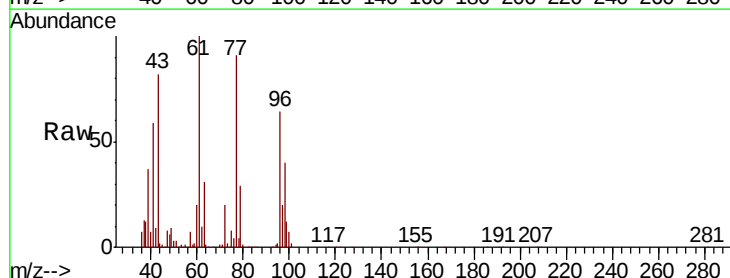
Acq: 11 Mar 2019 10:38

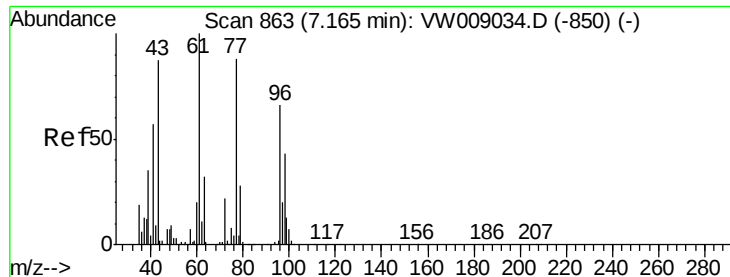
Tgt Ion: 77 Resp: 250954

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.9



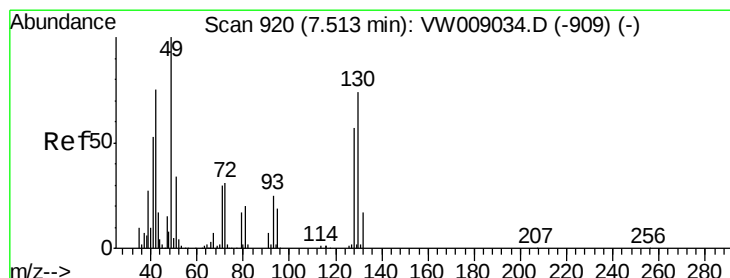
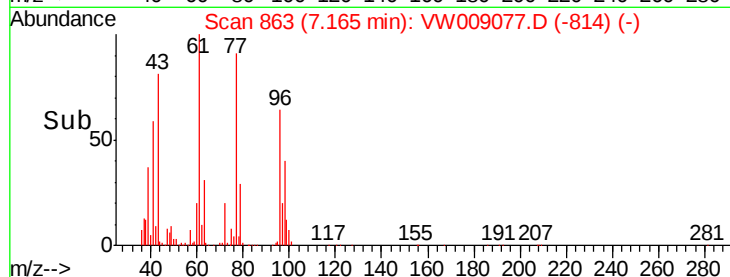
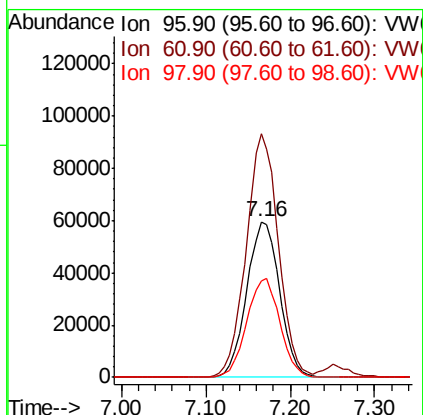
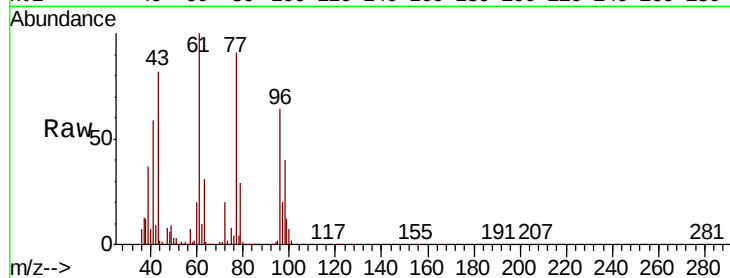


#27

cis-1,2-Dichloroethene
Concen: 45.904 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
BFB

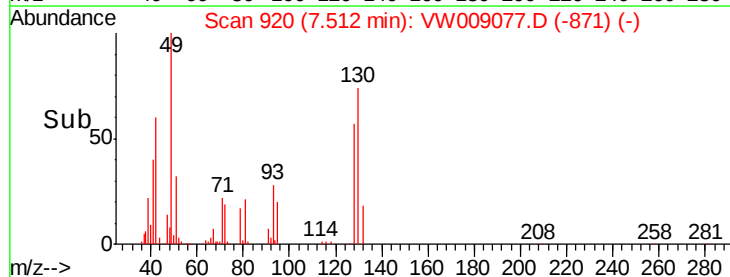
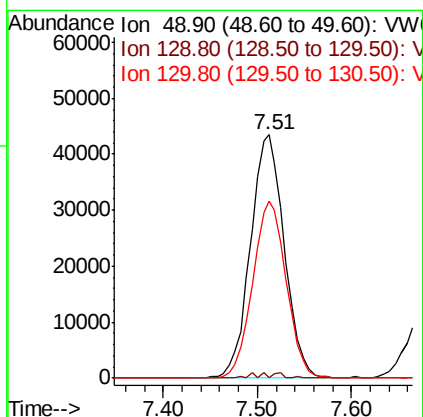
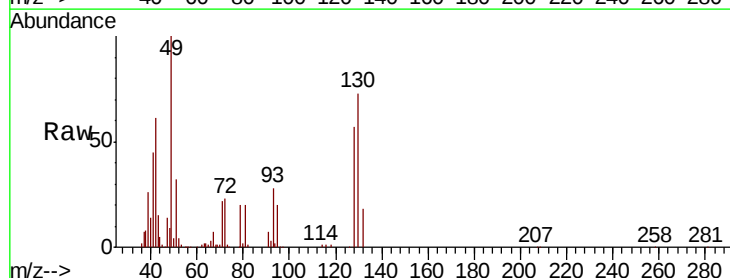
Tgt Ion: 96 Resp: 157498
Ion Ratio Lower Upper
96 100
61 153.1 0.0 299.8
98 64.1 0.0 127.2

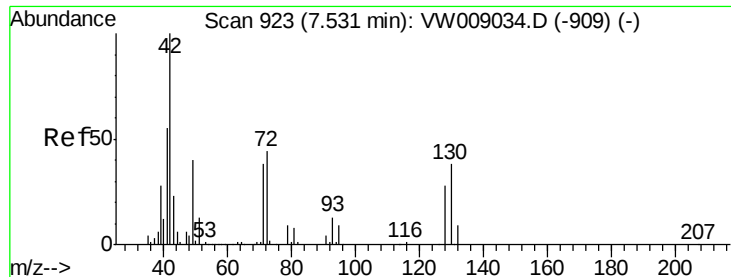


#28

Bromochloromethane
Concen: 46.762 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 49 Resp: 109418
Ion Ratio Lower Upper
49 100
129 0.6 0.0 4.6
130 72.1 60.4 90.6

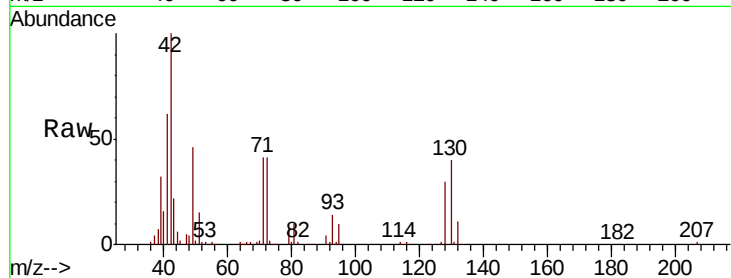




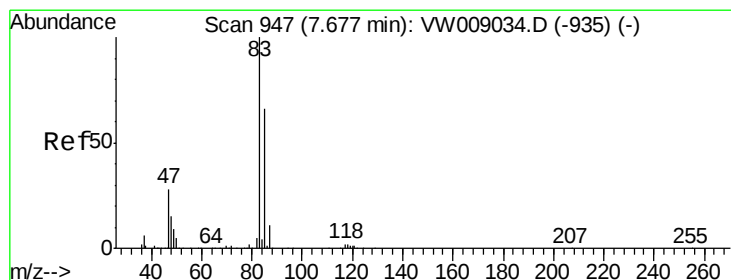
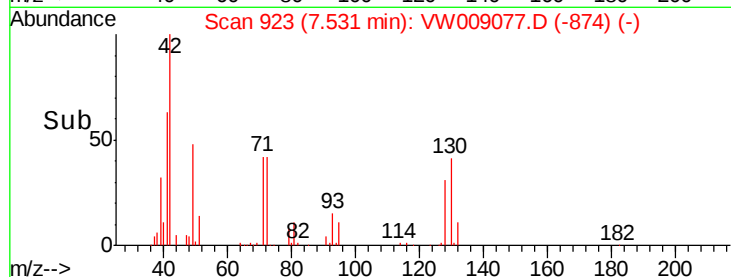
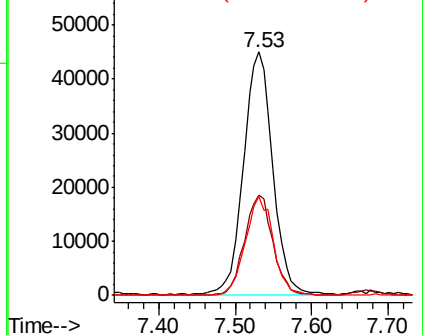
#29
Tetrahydrofuran
Concen: 197.656 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion: 42 Resp: 120314
Ion Ratio Lower Upper
42 100
72 39.8 32.2 48.4
71 38.6 30.7 46.1

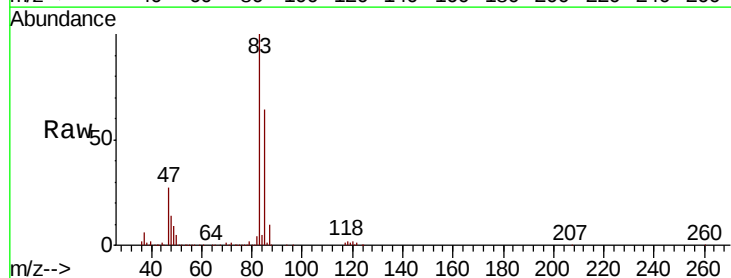


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

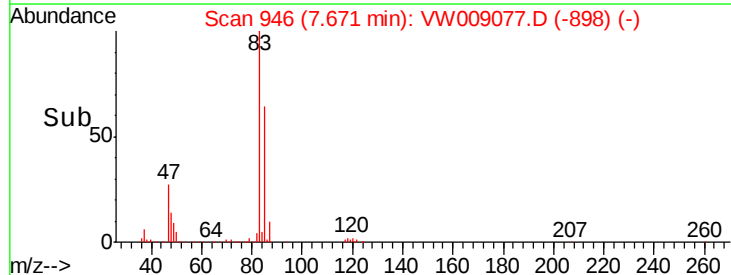
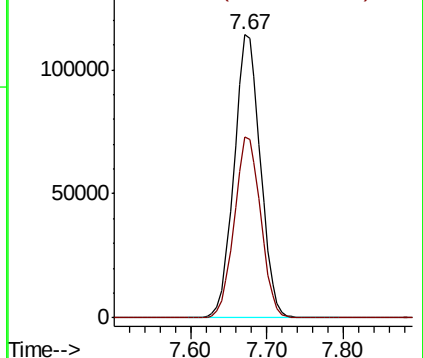


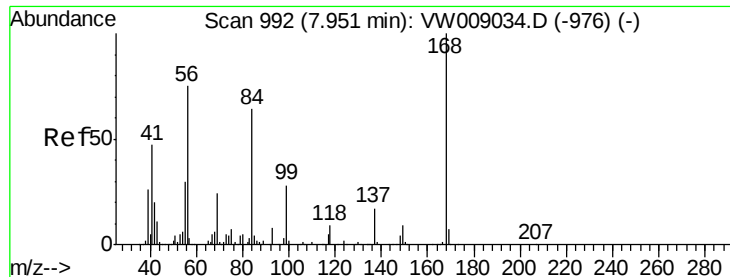
#30
Chloroform
Concen: 46.871 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 83 Resp: 271459
Ion Ratio Lower Upper
83 100
85 63.9 53.0 79.6



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

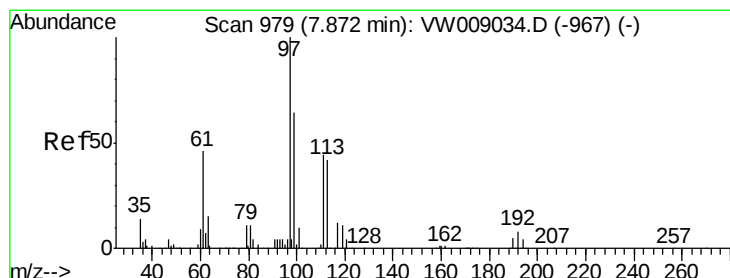
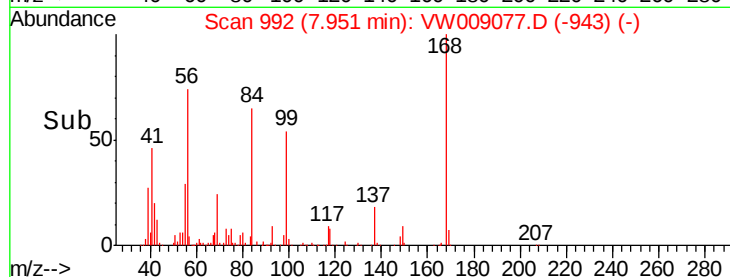
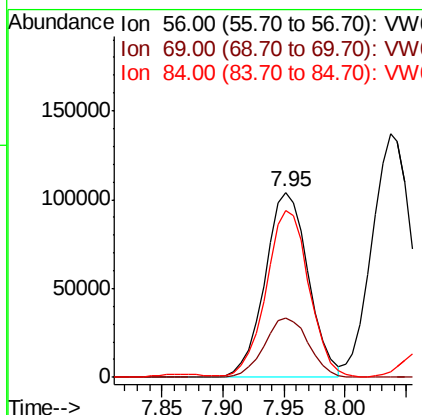
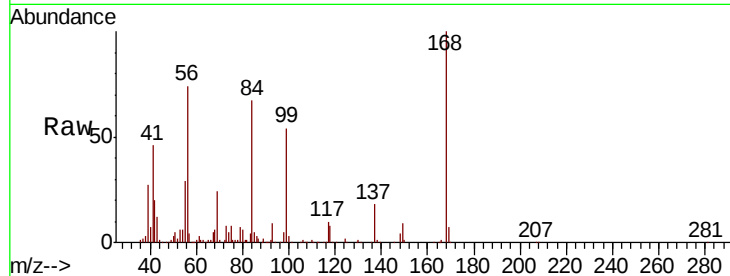




#31
Cyclohexane
Concen: 44.408 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

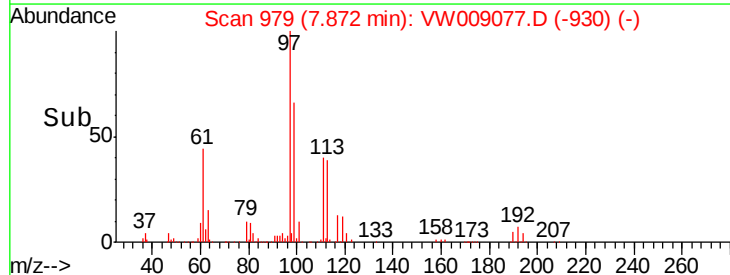
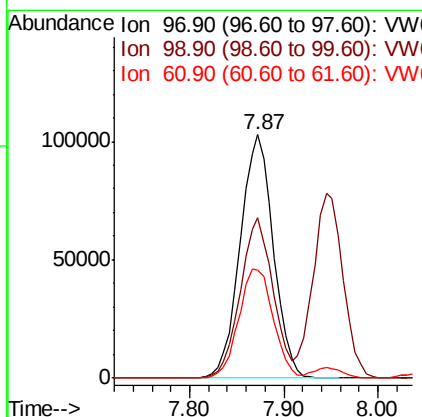
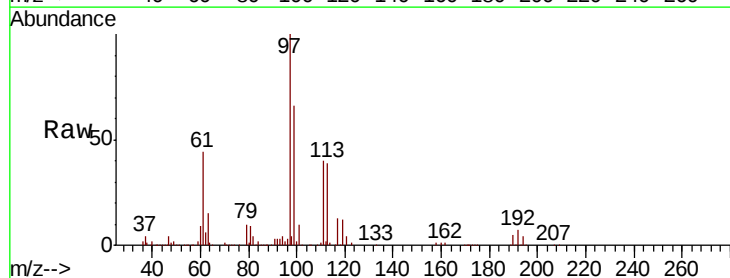
Instrument :
MSVOA_W
ClientSampleId :
BFB

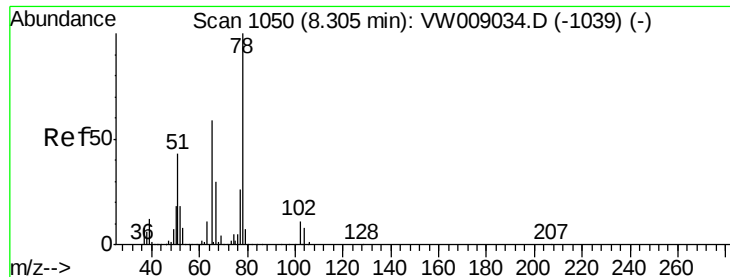
Tgt Ion: 56 Resp: 256506
Ion Ratio Lower Upper
56 100
69 32.2 25.5 38.3
84 88.4 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 47.361 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 97 Resp: 253135
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.8
61 46.7 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 44.070 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

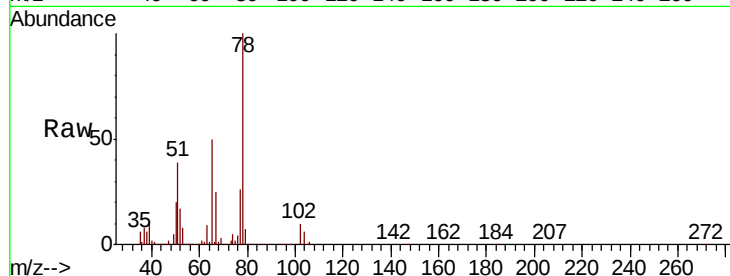
BFB

Tgt Ion: 65 Resp: 136497

Ion Ratio Lower Upper

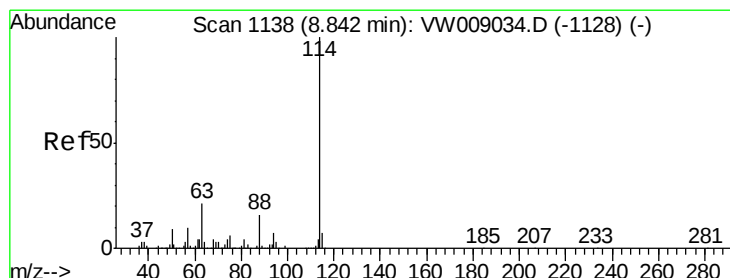
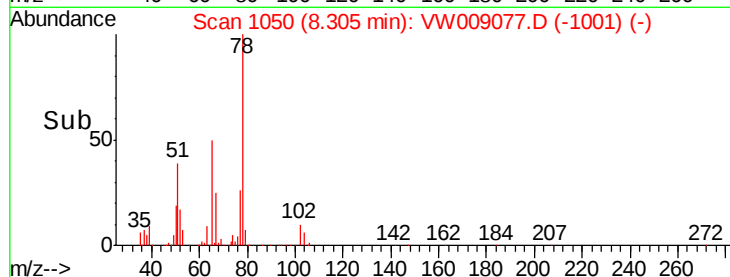
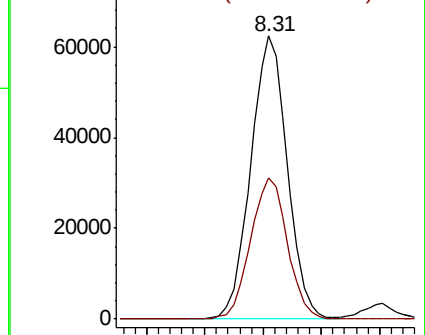
65 100

67 50.3 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

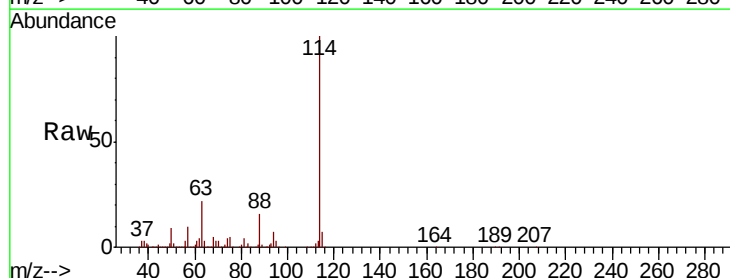
Tgt Ion: 114 Resp: 423012

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.2

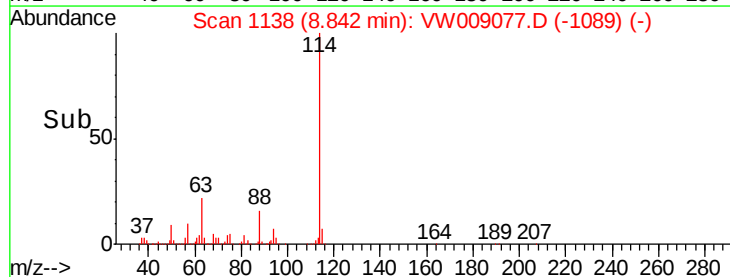
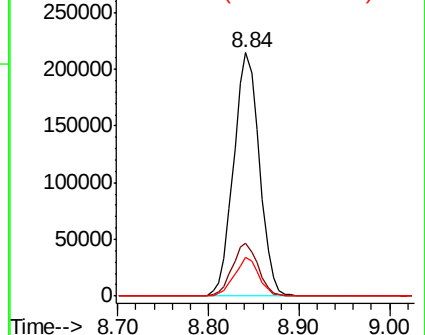
88 15.8 0.0 31.2

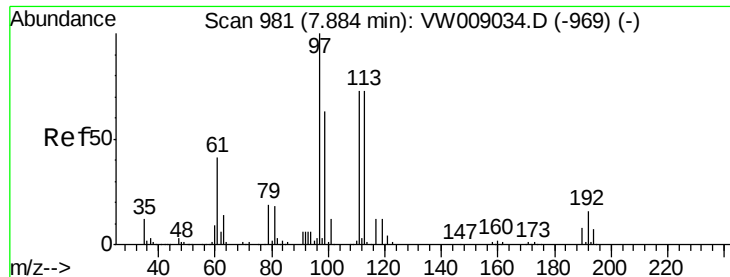


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

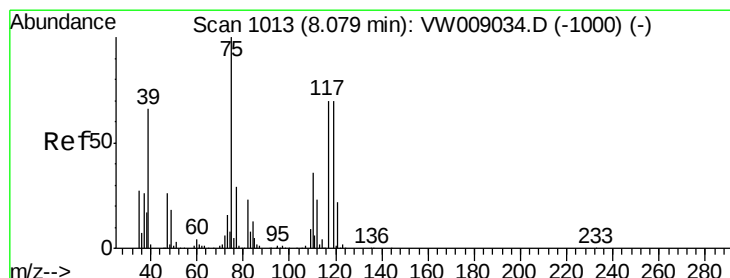
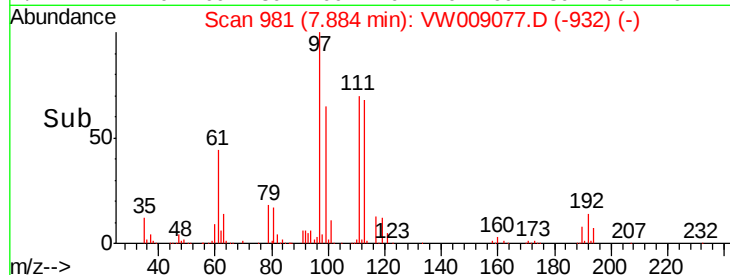
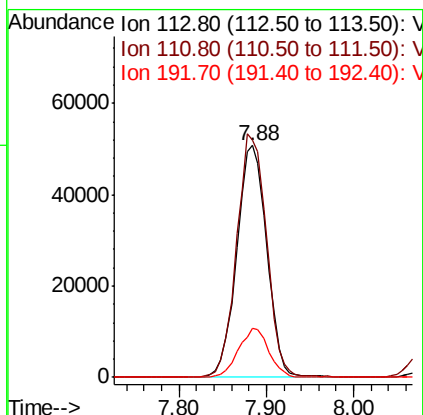
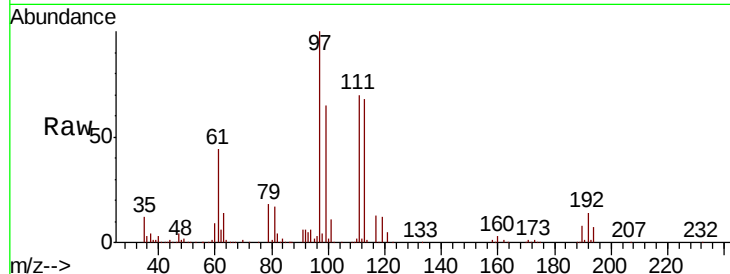




#35
 Dibromofluoromethane
 Concen: 47.541 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

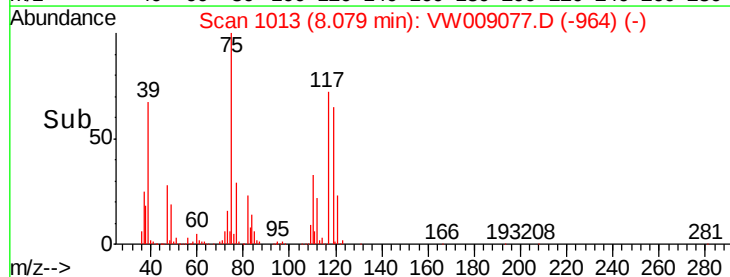
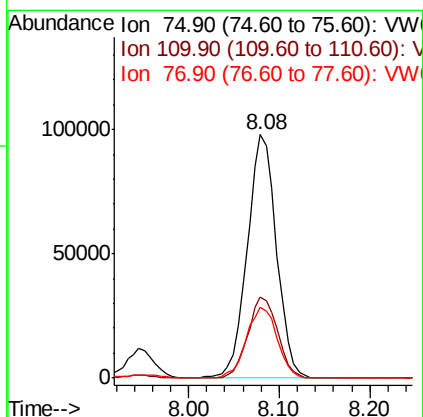
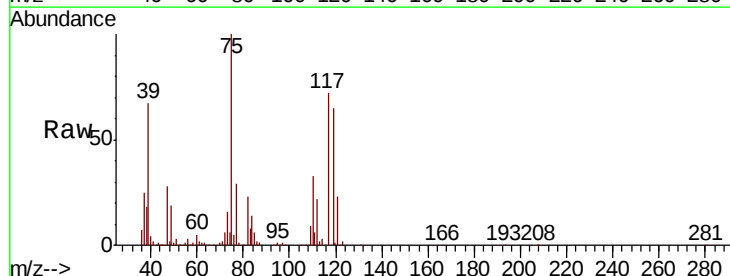
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

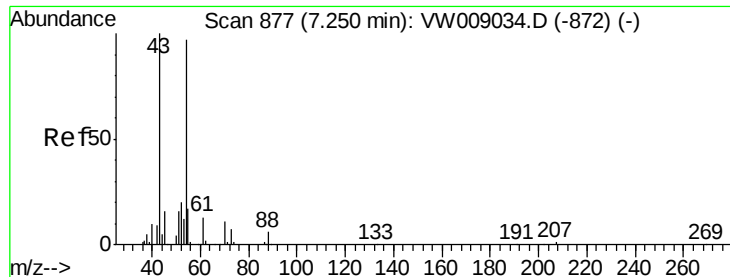
Tgt Ion:113 Resp: 121083
 Ion Ratio Lower Upper
 113 100
 111 104.8 81.0 121.4
 192 21.3 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 49.141 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

Tgt Ion: 75 Resp: 217353
 Ion Ratio Lower Upper
 75 100
 110 34.2 17.6 52.9
 77 31.0 25.1 37.7

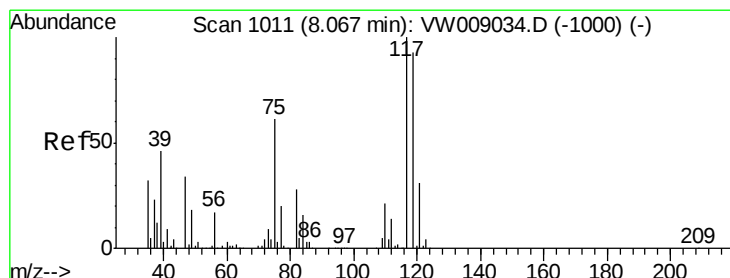
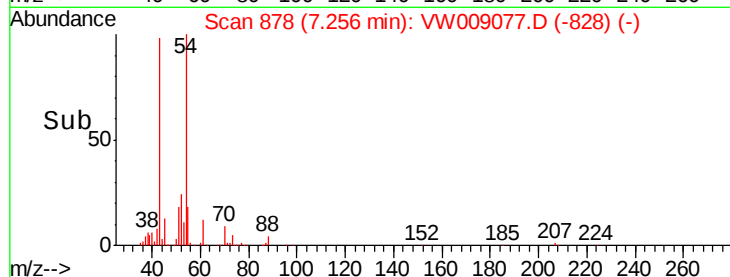
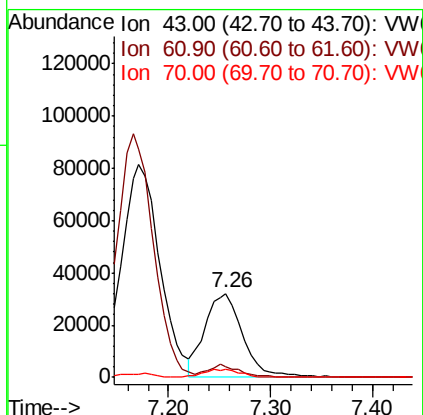
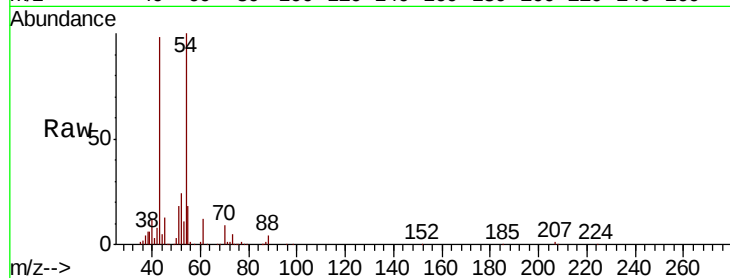




#37
Ethyl Acetate
Concen: 39.226 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

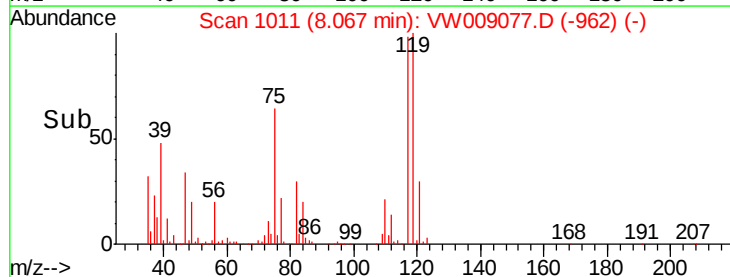
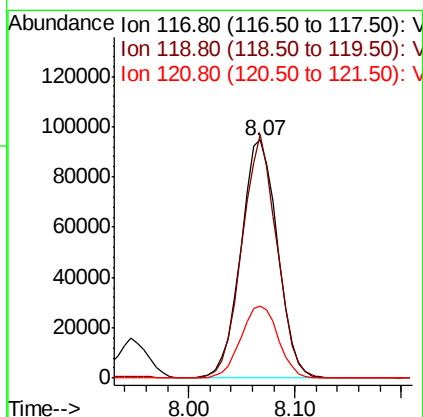
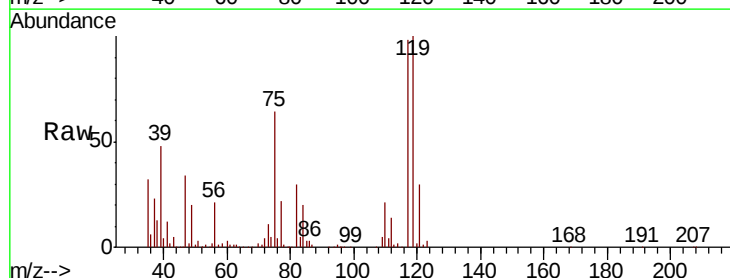
Instrument :
MSVOA_W
ClientSampleId :
BFB

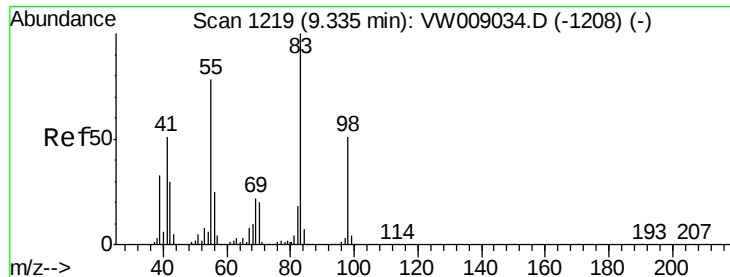
Tgt Ion: 43 Resp: 81495
Ion Ratio Lower Upper
43 100
61 12.7 9.8 14.6
70 9.6 7.2 10.8



#38
Carbon Tetrachloride
Concen: 50.234 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 117 Resp: 229463
Ion Ratio Lower Upper
117 100
119 102.2 74.6 112.0
121 30.2 24.7 37.1

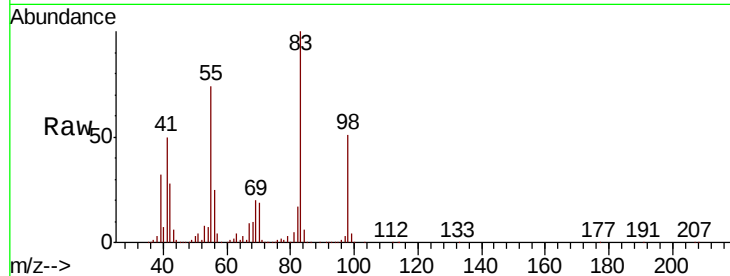




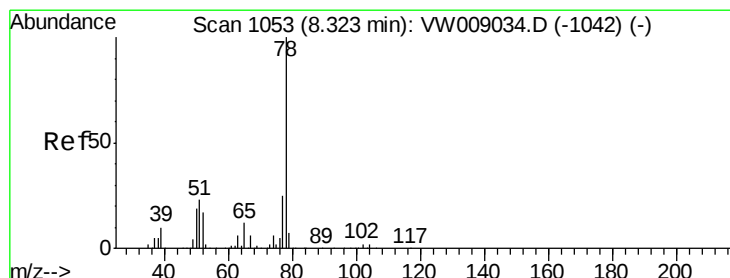
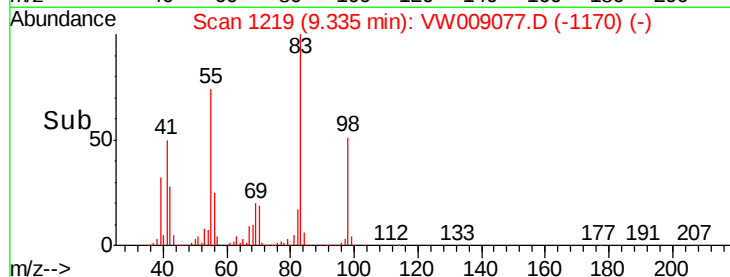
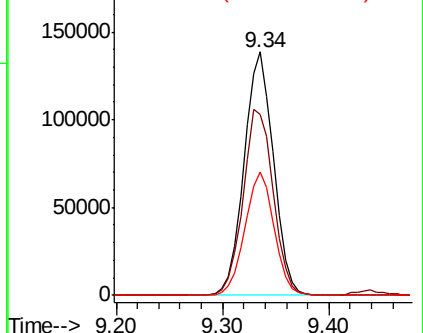
#39
Methylcyclohexane
Concen: 50.905 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion: 83 Resp: 268179
Ion Ratio Lower Upper
83 100
55 74.4 62.7 94.1
98 50.6 40.8 61.2

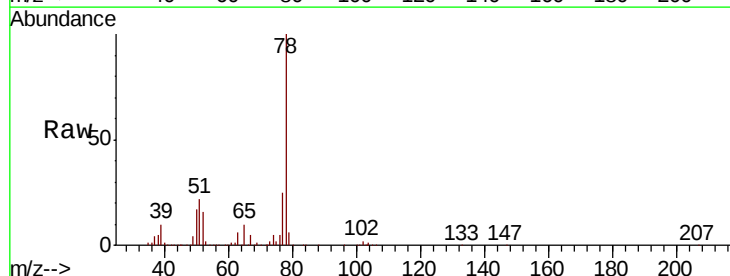


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

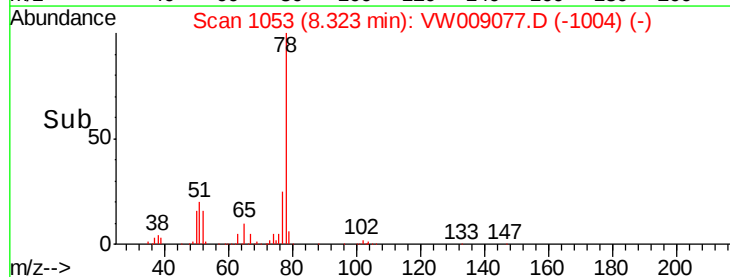
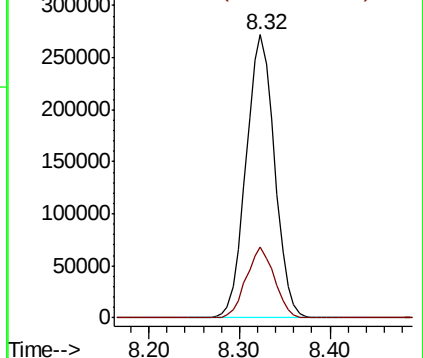


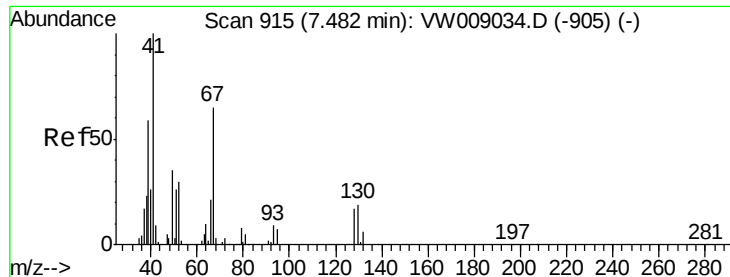
#40
Benzene
Concen: 50.062 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 78 Resp: 591096
Ion Ratio Lower Upper
78 100
77 24.9 20.2 30.4



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 41.414 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

BFB

Tgt Ion: 41 Resp: 47779

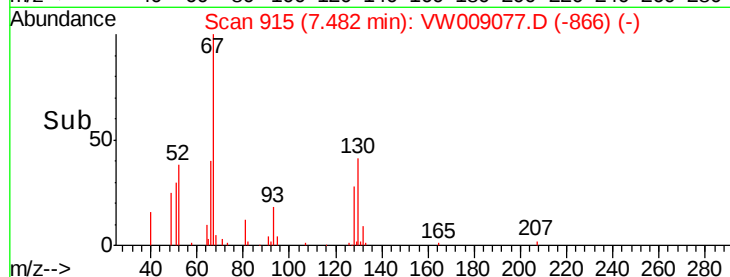
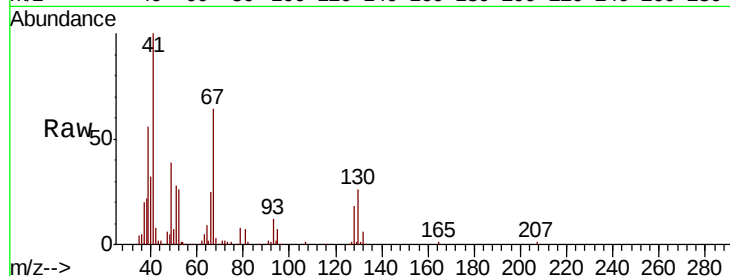
Ion Ratio Lower Upper

41 100

39 65.7 53.6 80.4

67 69.4 57.6 86.4

52 32.9 26.0 39.0

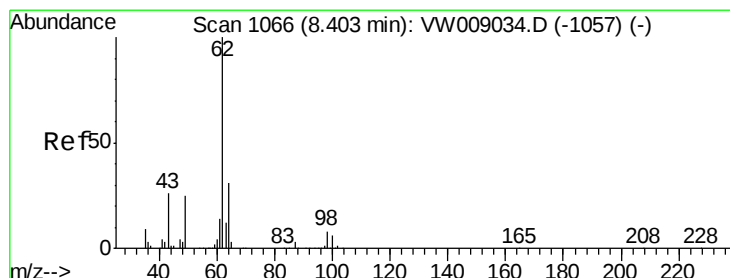
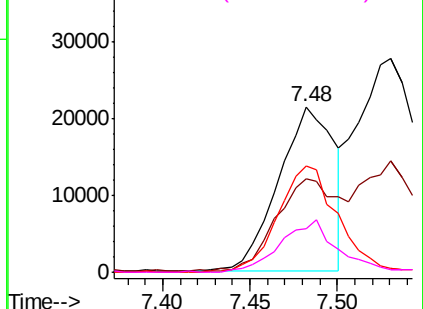


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 45.920 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW009077.D

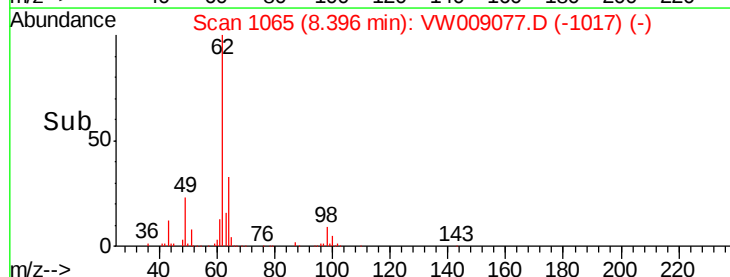
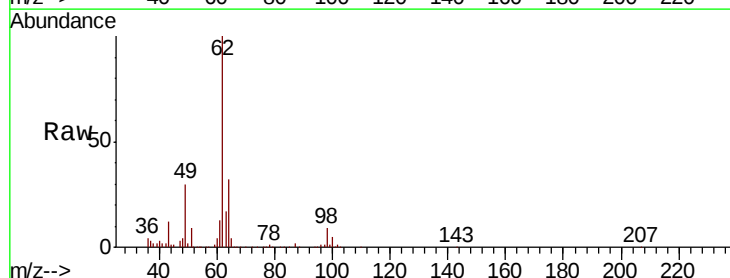
Acq: 11 Mar 2019 10:38

Tgt Ion: 62 Resp: 175039

Ion Ratio Lower Upper

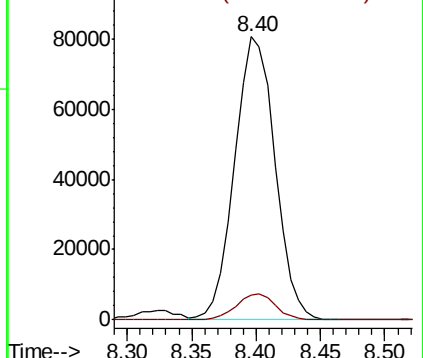
62 100

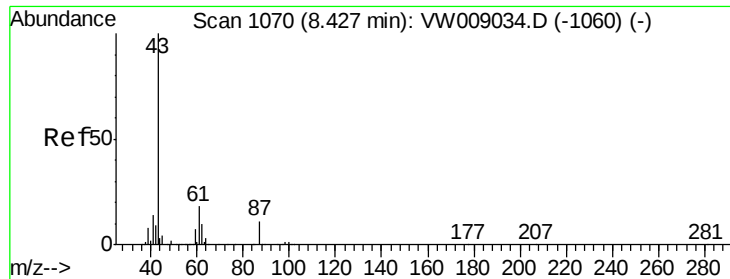
98 8.9 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 42.260 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampled :

BFB

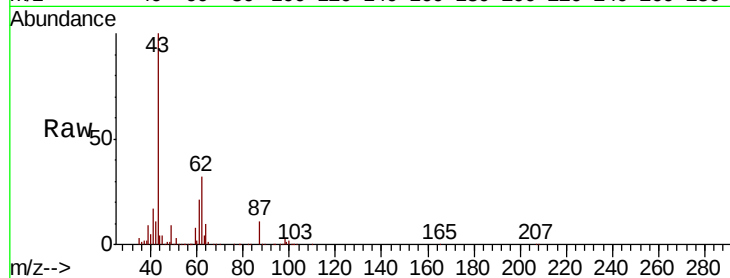
Tgt Ion: 43 Resp: 163523

Ion Ratio Lower Upper

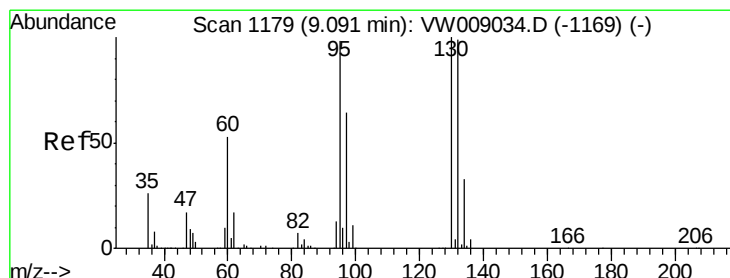
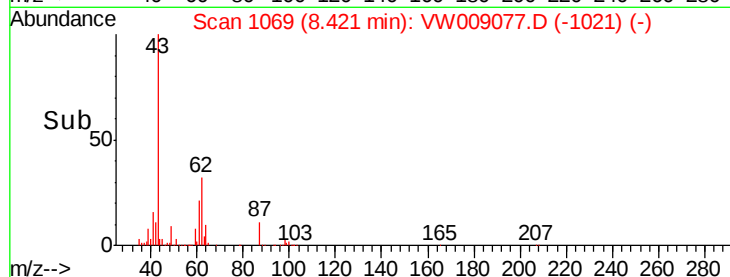
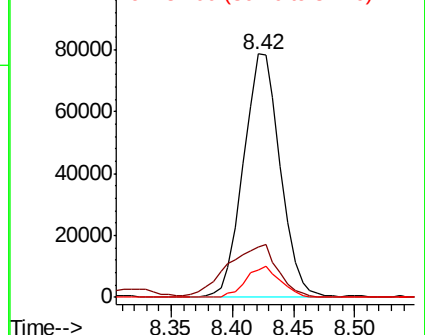
43 100

61 29.2 22.8 34.2

87 12.2 9.4 14.2



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: 48.049 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW009077.D

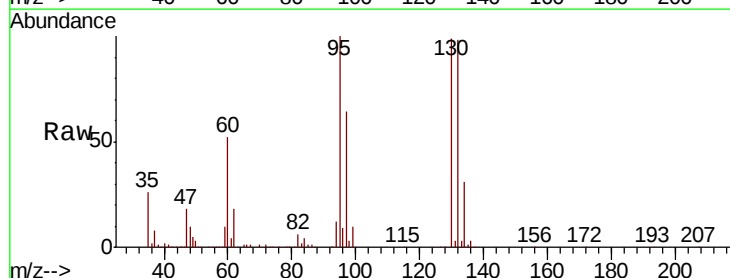
Acq: 11 Mar 2019 10:38

Tgt Ion: 130 Resp: 159007

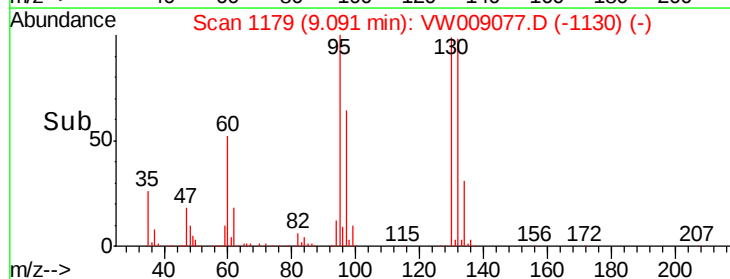
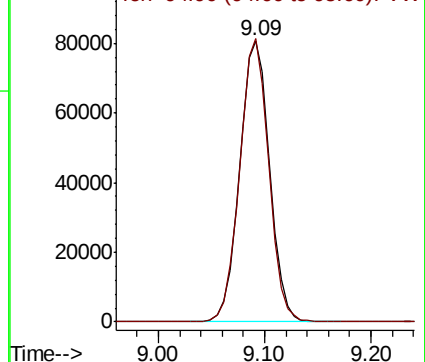
Ion Ratio Lower Upper

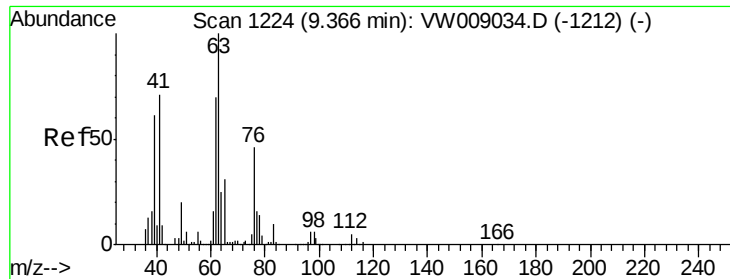
130 100

95 100.6 0.0 197.0



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

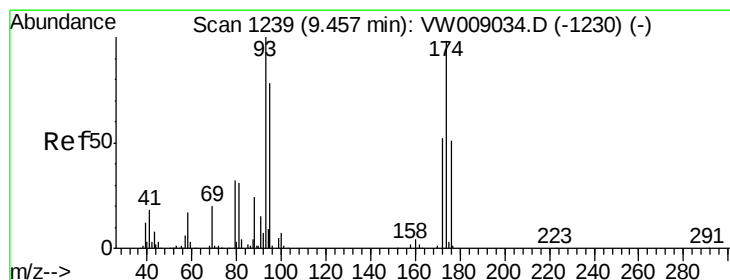
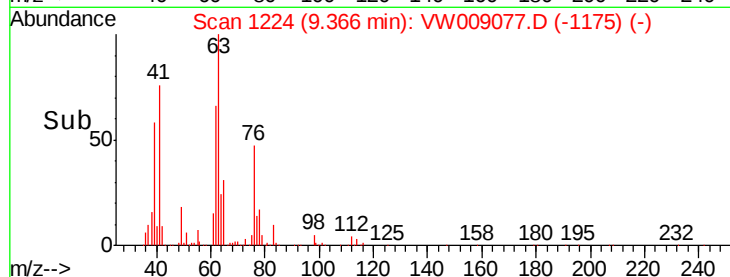
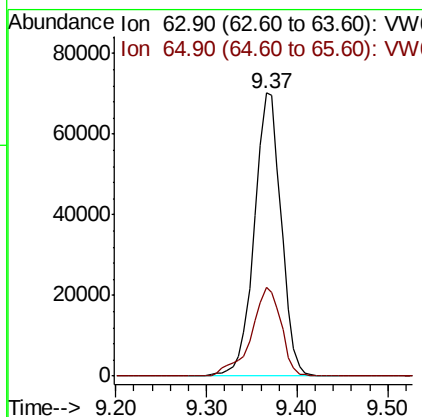
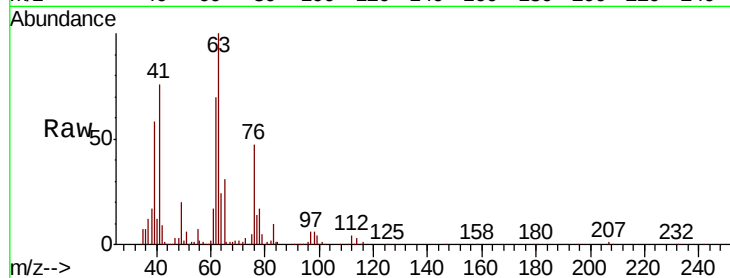




#45
 1,2-Dichloropropane
 Concen: 48.611 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

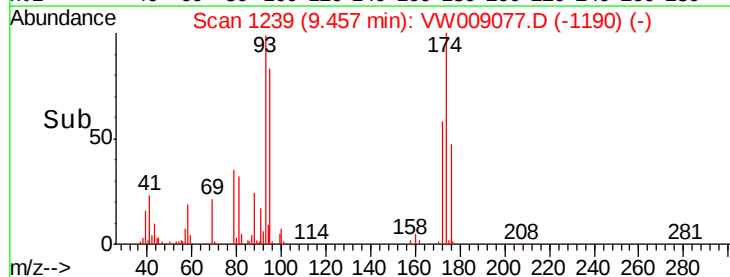
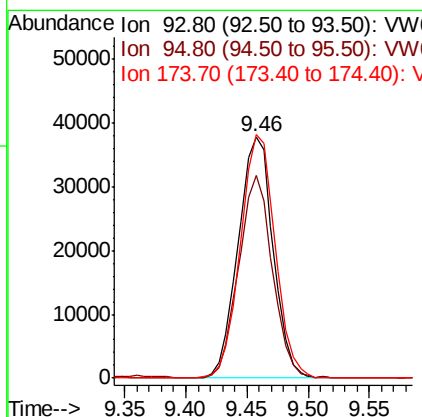
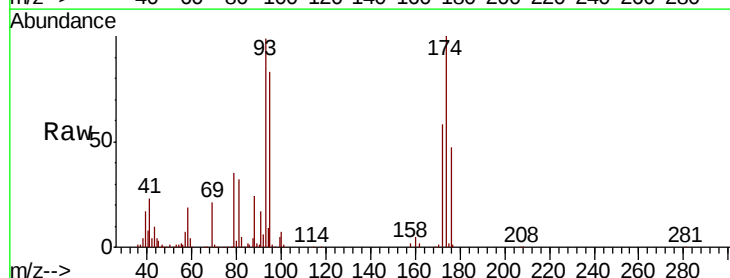
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

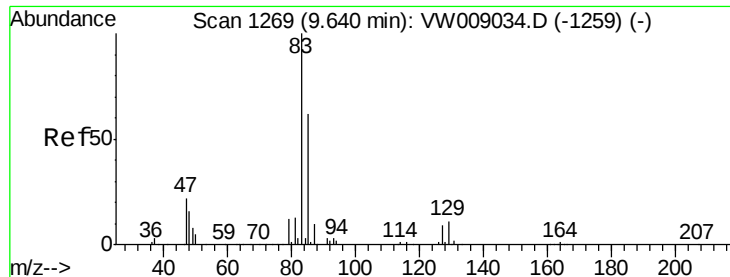
Tgt Ion: 63 Resp: 143752
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.9 37.3



#46
 Dibromomethane
 Concen: 46.515 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

Tgt Ion: 93 Resp: 75123
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.0 97.6
 174 100.5 81.8 122.6

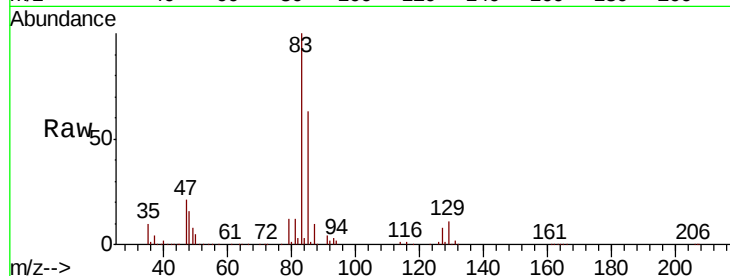




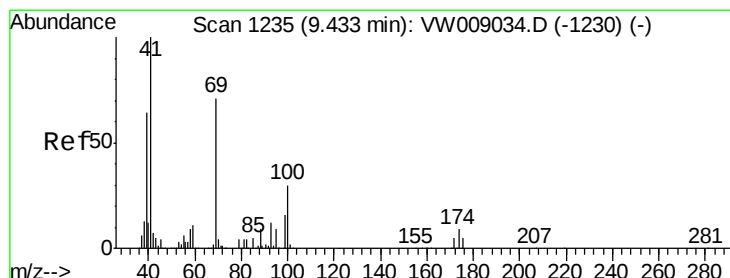
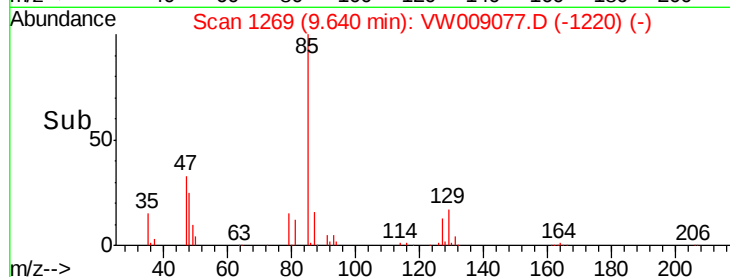
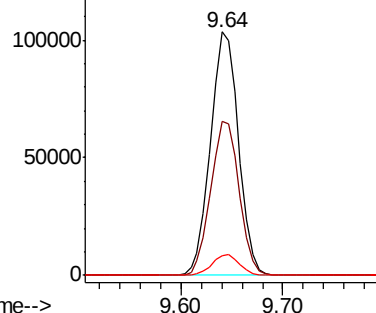
#47
 Bromodichloromethane
 Concen: 48.210 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.9	74.9
127	8.3	7.1	10.7

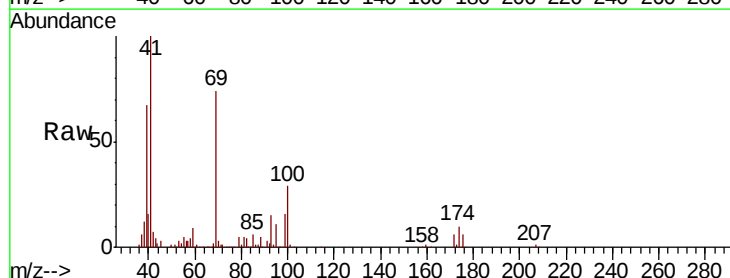


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): V

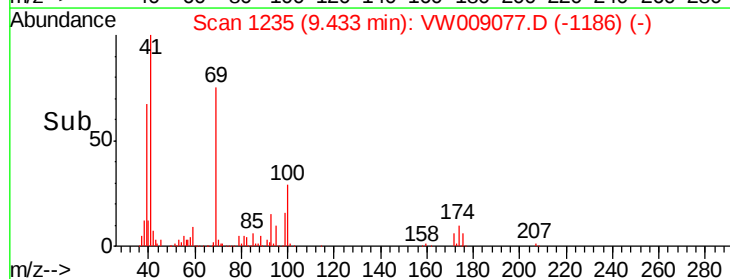
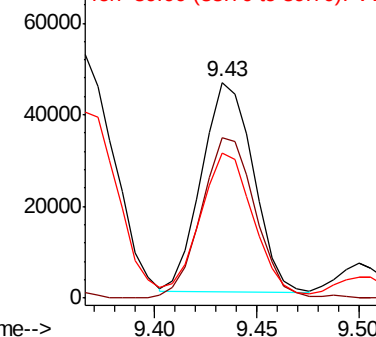


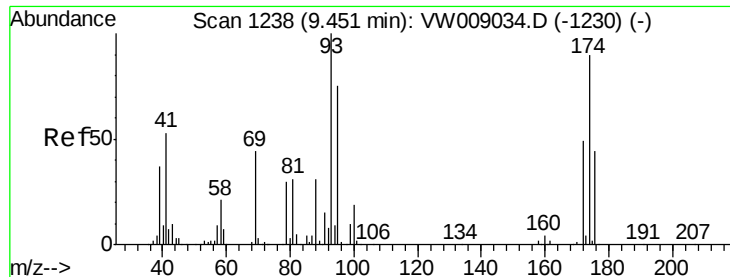
#48
 Methyl methacrylate
 Concen: 44.625 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.7	59.1	88.7
39	67.5	48.9	73.3



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: 939.899 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

BFB

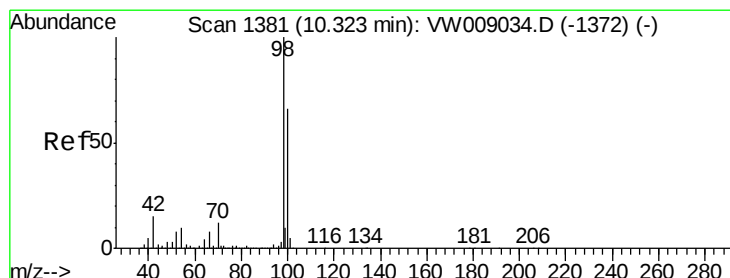
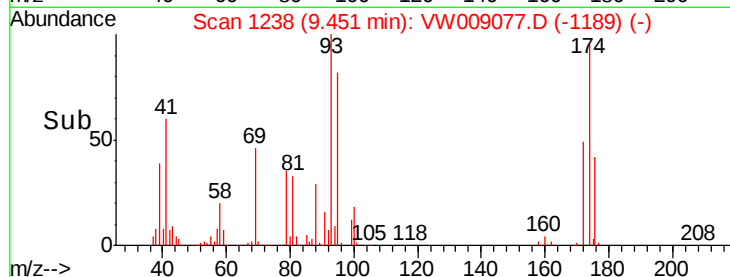
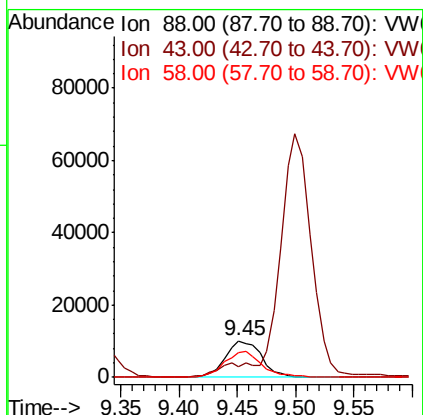
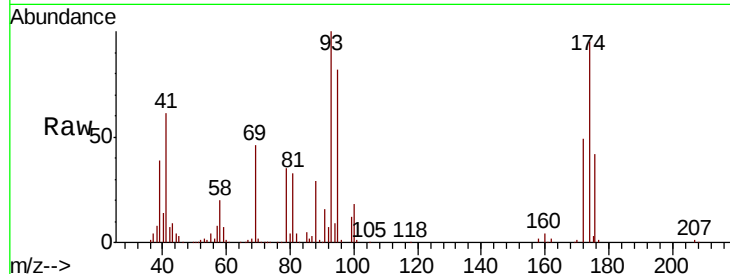
Tgt Ion: 88 Resp: 21737

Ion Ratio Lower Upper

88 100

43 22.2 29.0 43.4#

58 74.2 59.2 88.8



#50

Toluene-d8

Concen: 51.327 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009077.D

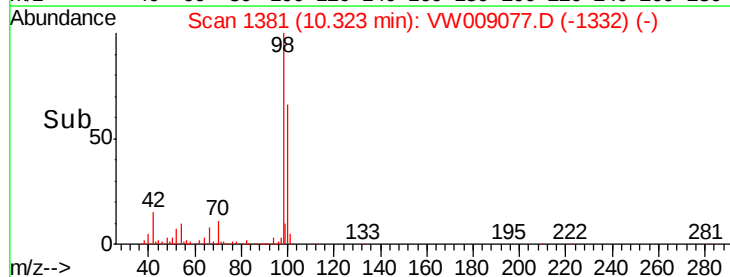
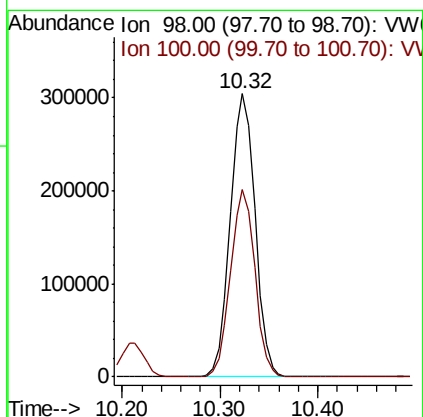
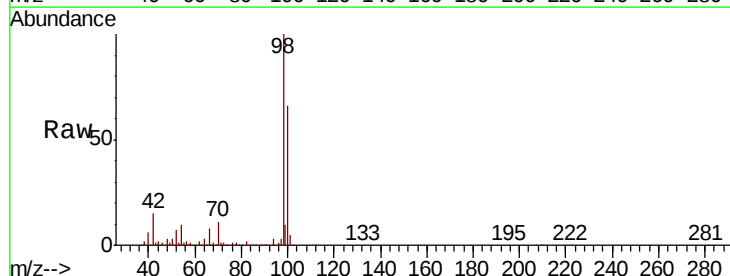
Acq: 11 Mar 2019 10:38

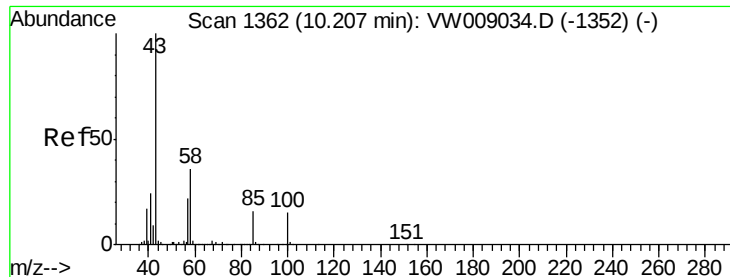
Tgt Ion: 98 Resp: 536911

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9

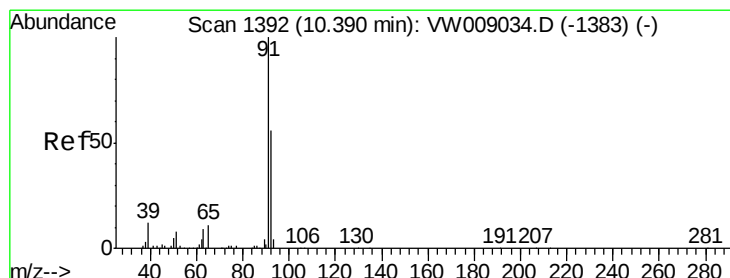
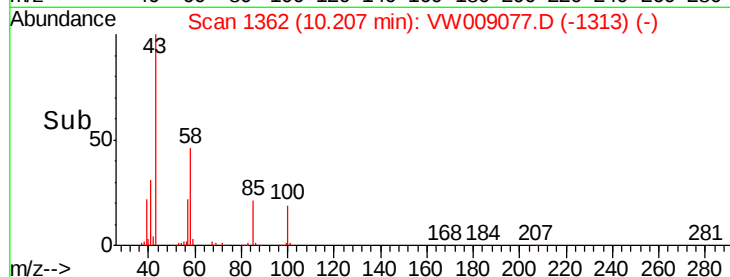
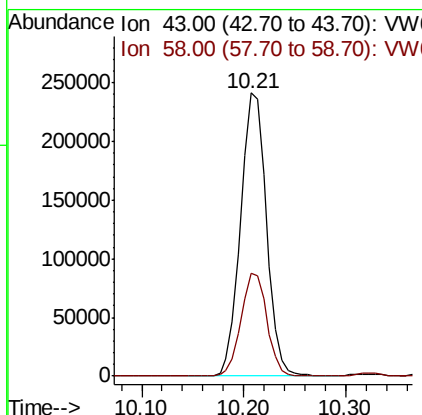
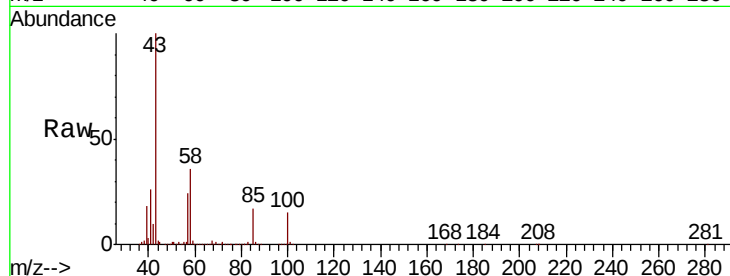




#51
 4-Methyl-2-Pentanone
 Concen: 216.612 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

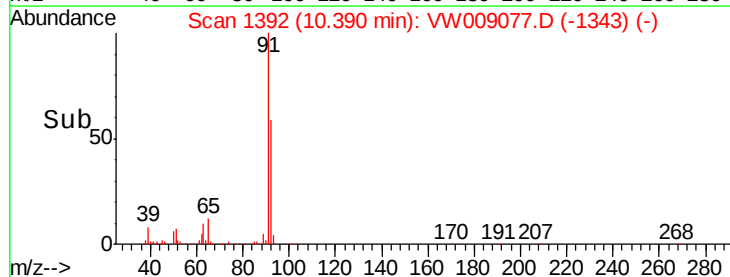
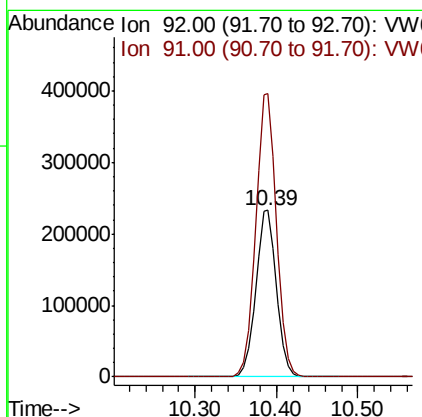
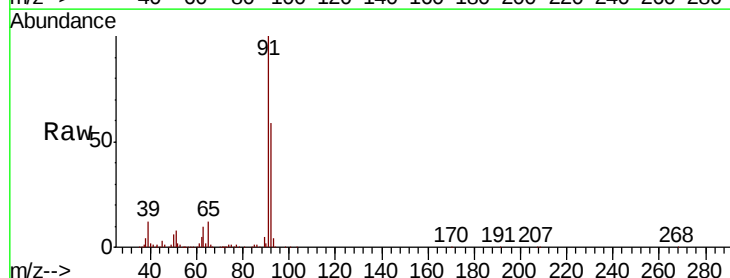
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

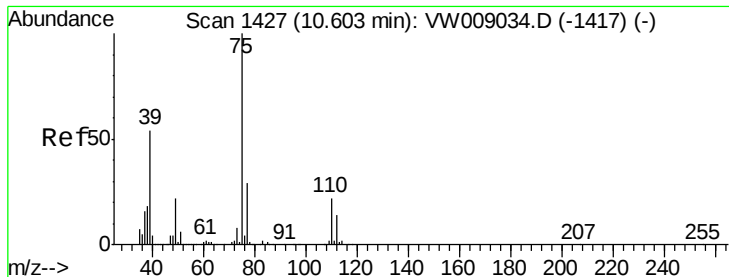
Tgt Ion: 43 Resp: 425509
 Ion Ratio Lower Upper
 43 100
 58 36.2 28.8 43.2



#52
 Toluene
 Concen: 51.670 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

Tgt Ion: 92 Resp: 413749
 Ion Ratio Lower Upper
 92 100
 91 170.5 139.9 209.9

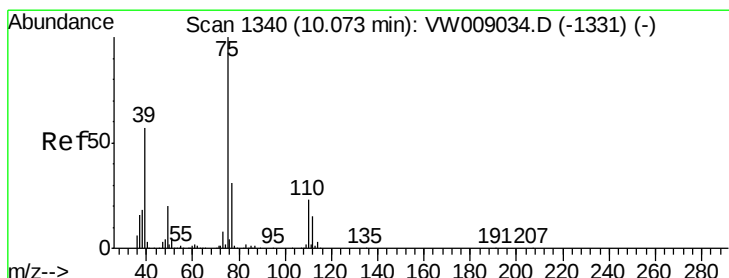
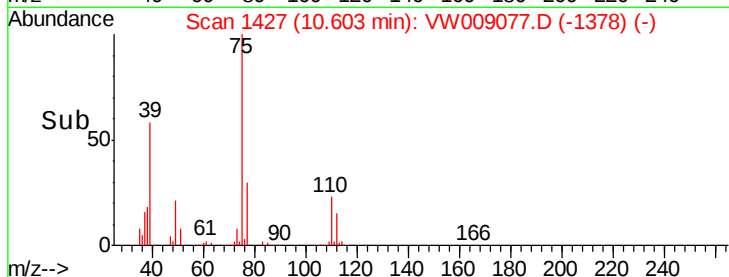
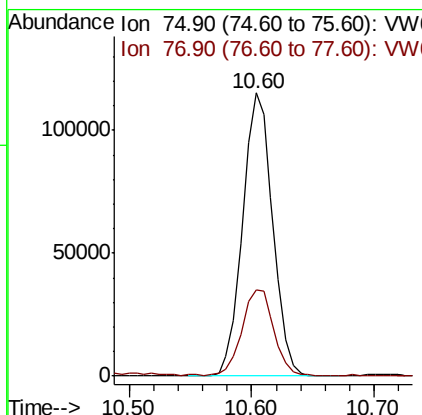
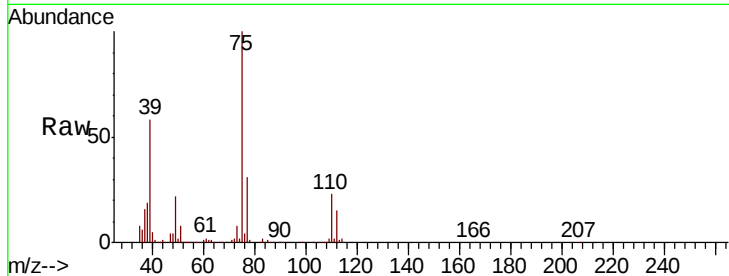




#53
 t-1,3-Dichloropropene
 Concen: 48.523 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

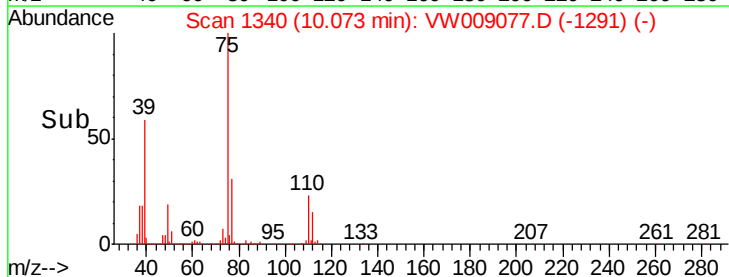
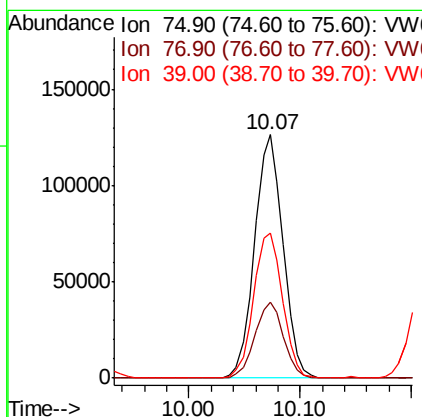
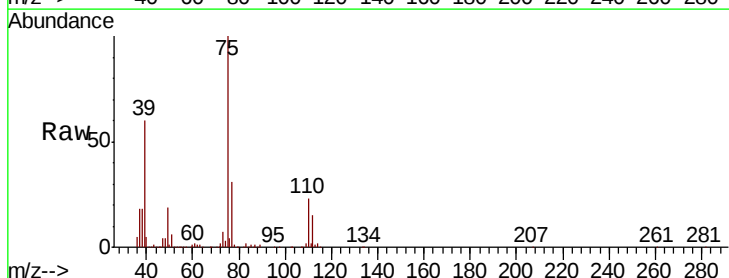
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

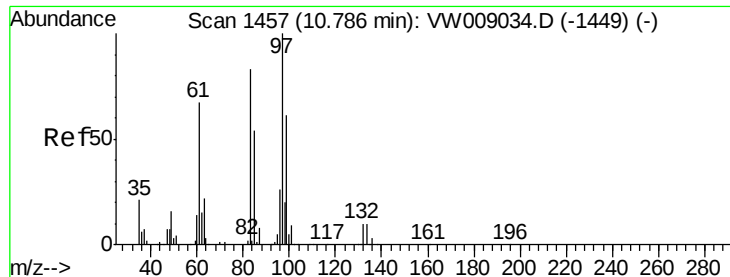
Tgt Ion: 75 Resp: 196201
 Ion Ratio Lower Upper
 75 100
 77 30.4 23.6 35.4



#54
 cis-1,3-Dichloropropene
 Concen: 48.331 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

Tgt Ion: 75 Resp: 224572
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 36.8
 39 59.5 45.9 68.9

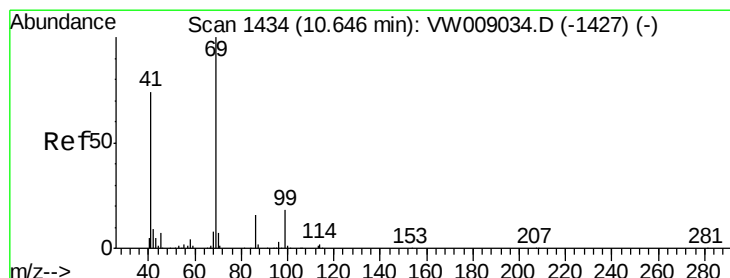
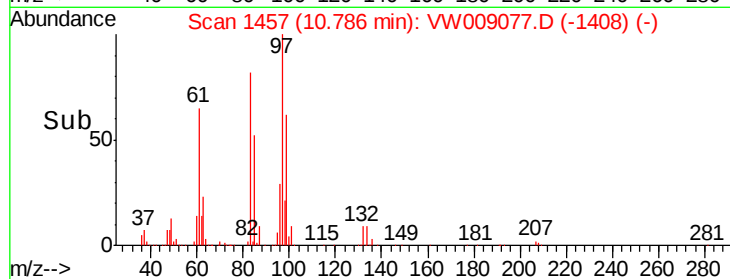
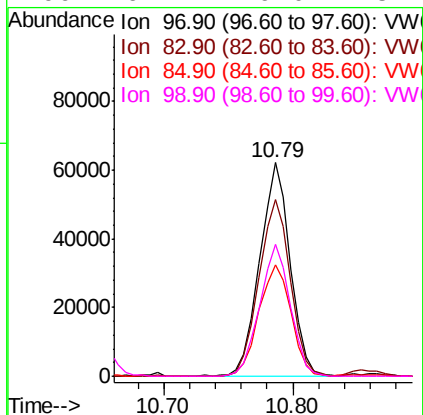
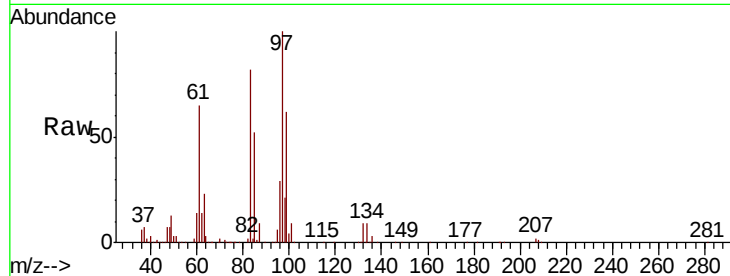




#55
 1,1,2-Trichloroethane
 Concen: 46.585 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

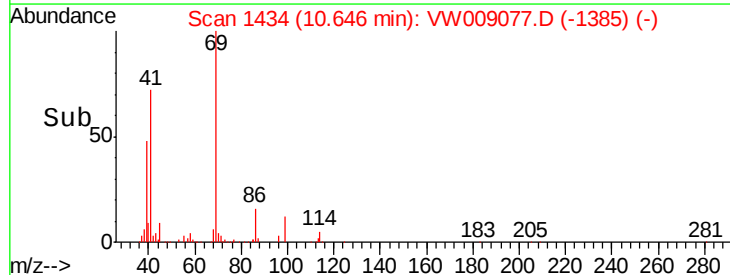
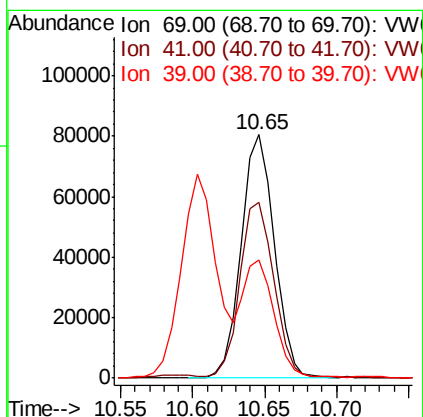
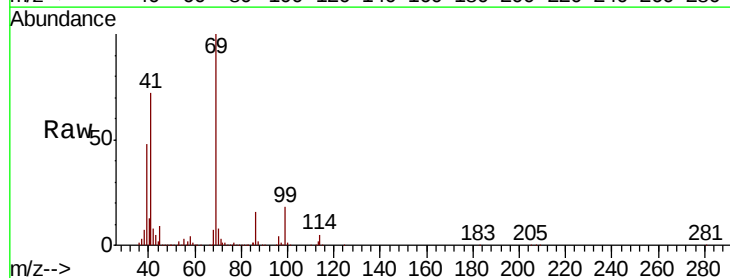
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

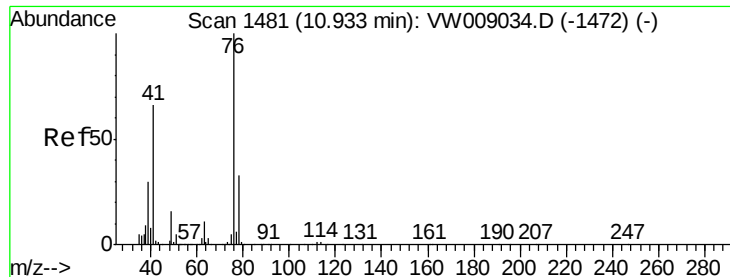
Tgt Ion:	97	Resp:	101974
Ion	Ratio	Lower	Upper
97	100		
83	82.3	66.2	99.2
85	51.9	43.6	65.4
99	61.7	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 47.275 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

Tgt Ion:	69	Resp:	128432
Ion	Ratio	Lower	Upper
69	100		
41	73.3	59.4	89.2
39	45.4	38.5	57.7

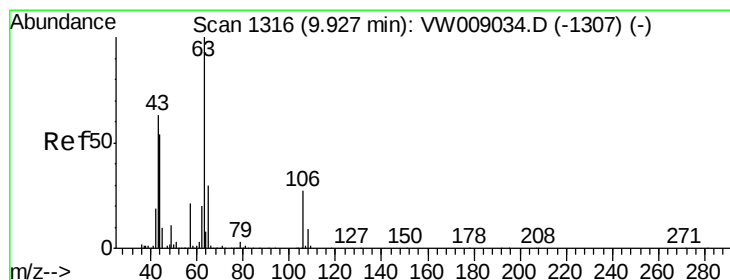
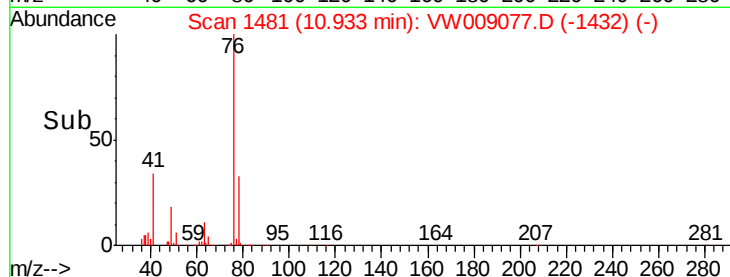
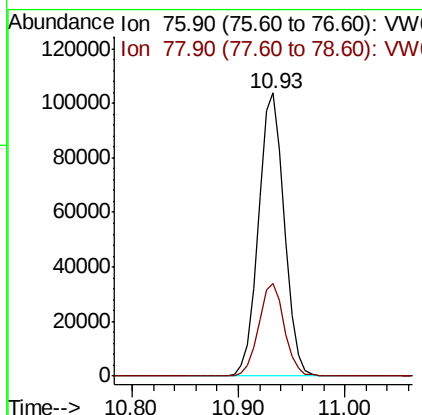
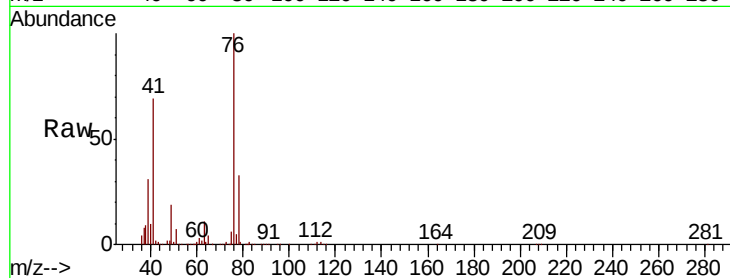




#57
 1,3-Dichloropropane
 Concen: 45.414 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

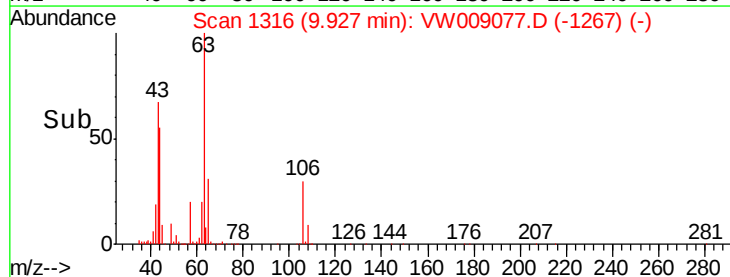
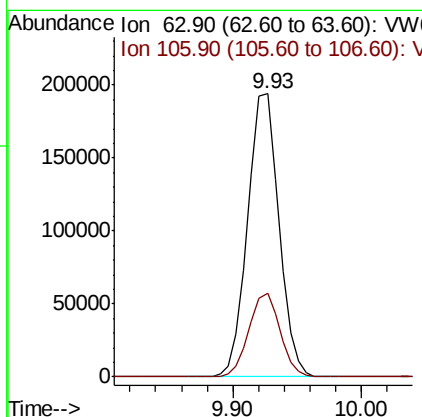
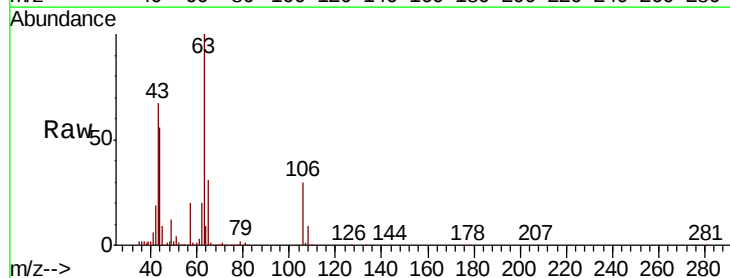
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

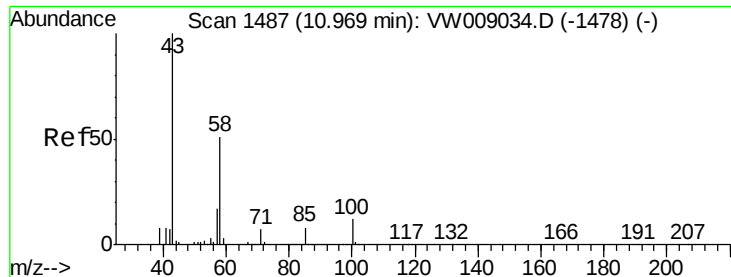
Tgt Ion: 76 Resp: 176105
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.151 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

Tgt Ion: 63 Resp: 325547
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.0 34.6

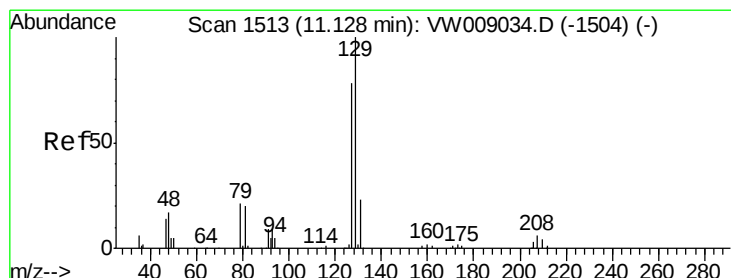
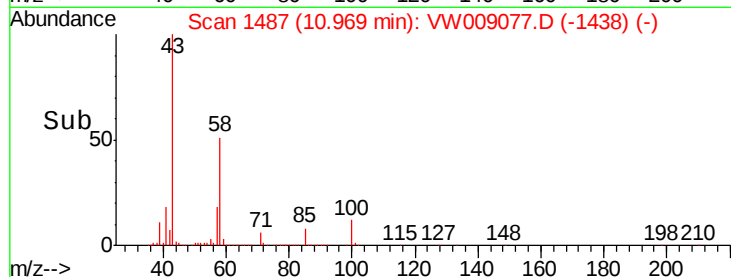
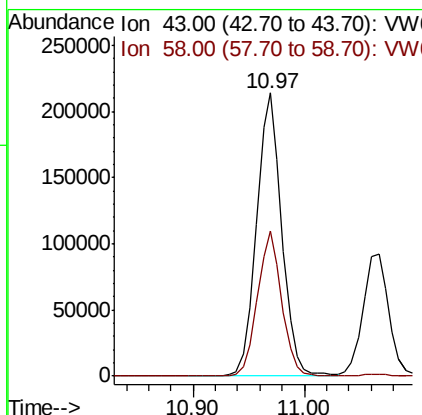
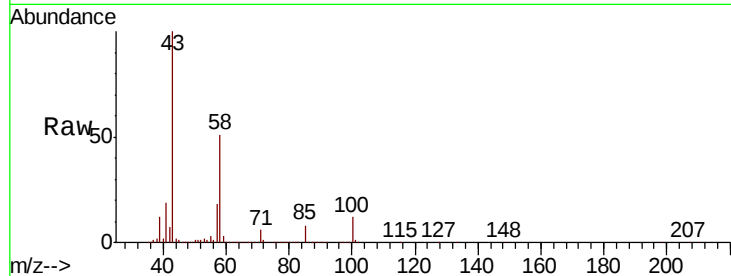




#59
2-Hexanone
Concen: 243.324 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

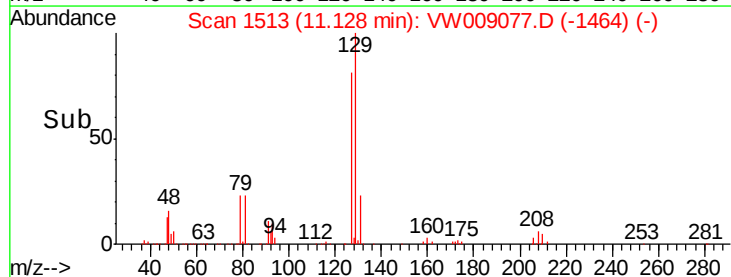
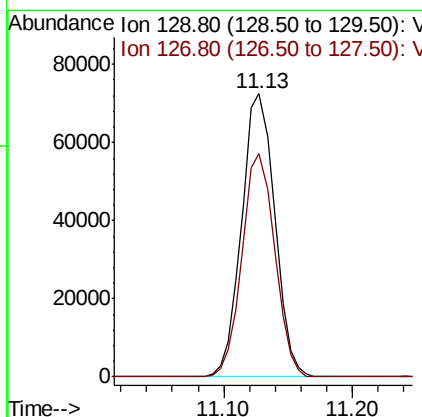
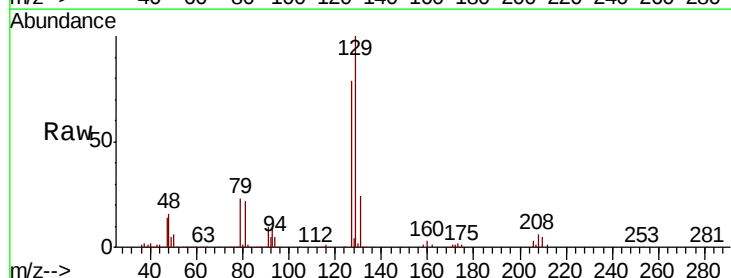
Instrument :
MSVOA_W
ClientSampled :
BFB

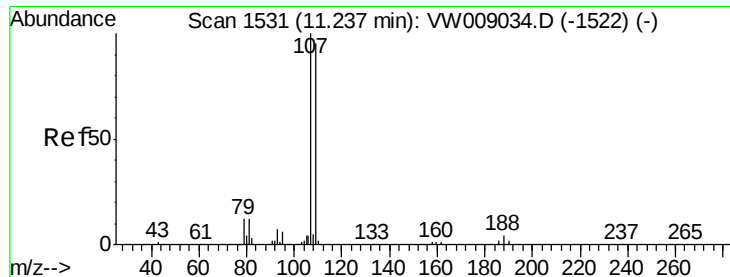
Tgt Ion: 43 Resp: 336062
Ion Ratio Lower Upper
43 100
58 49.5 25.3 75.9



#60
Dibromochloromethane
Concen: 47.565 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 129 Resp: 128852
Ion Ratio Lower Upper
129 100
127 78.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 45.507 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampled :

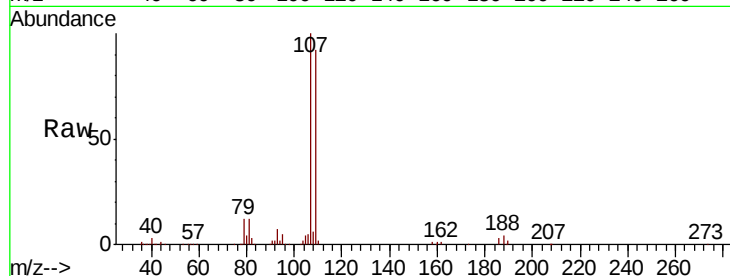
BFB

Tgt Ion: 107 Resp: 97654

Ion Ratio Lower Upper

107 100

109 93.2 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

60000

50000

40000

30000

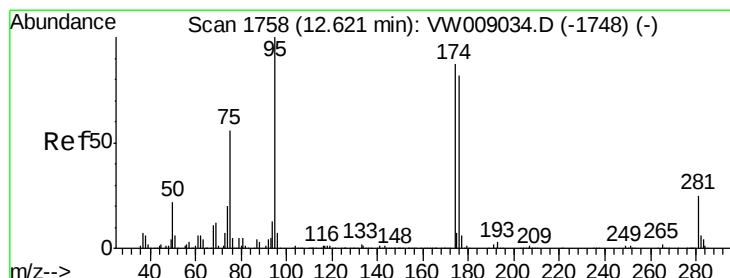
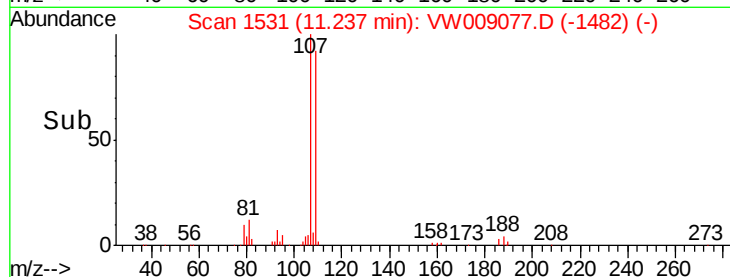
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 48.947 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

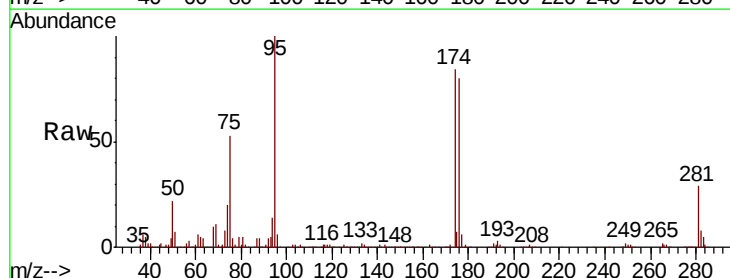
Tgt Ion: 95 Resp: 201559

Ion Ratio Lower Upper

95 100

174 82.1 0.0 167.0

176 79.7 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

150000

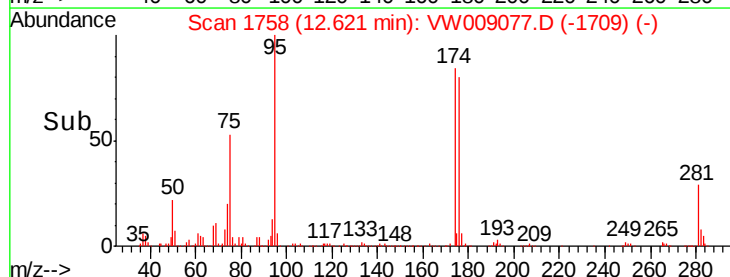
100000

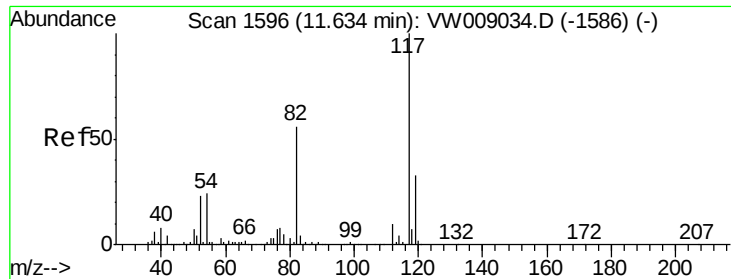
50000

0

Time-->

12.55 12.65 12.70

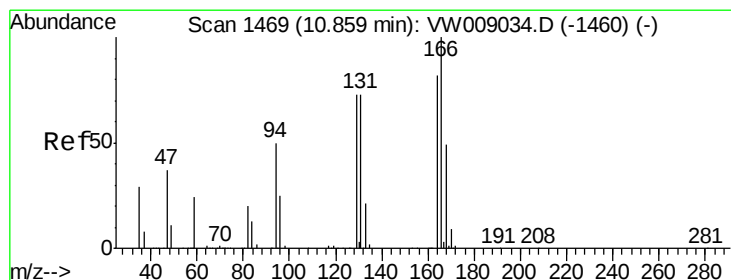
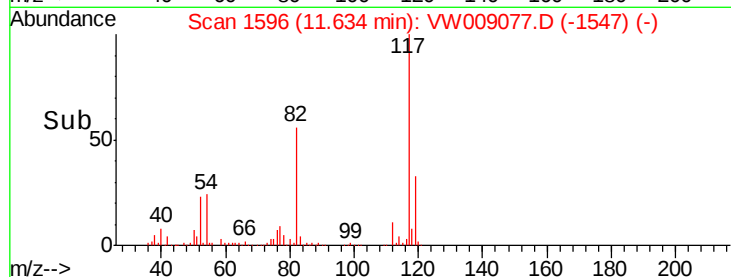
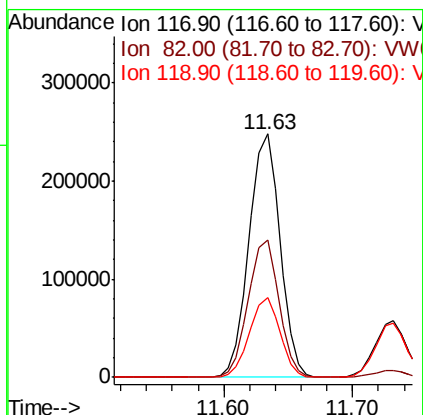
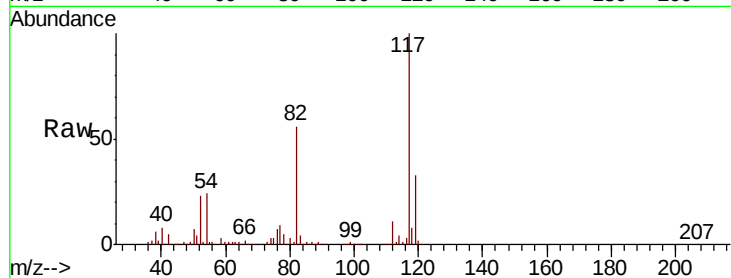




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

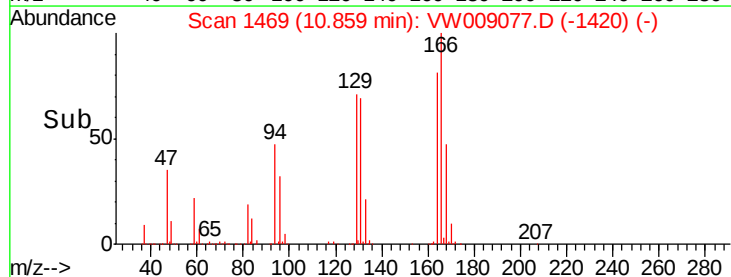
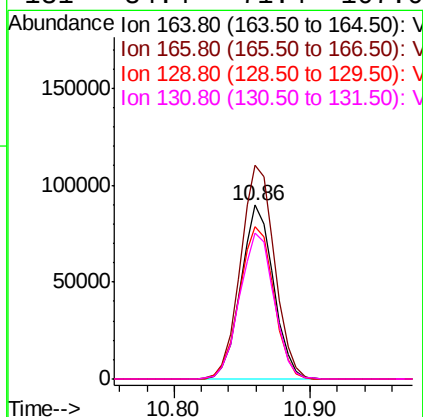
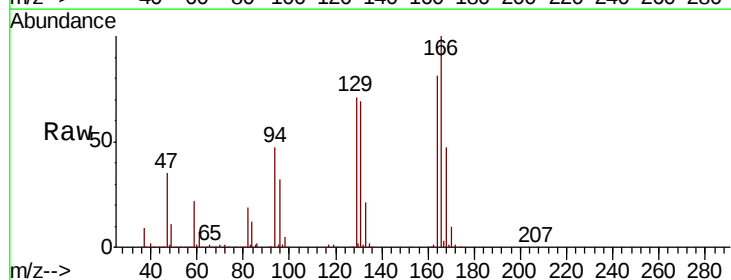
Instrument :
MSVOA_W
ClientSampleId :
BFB

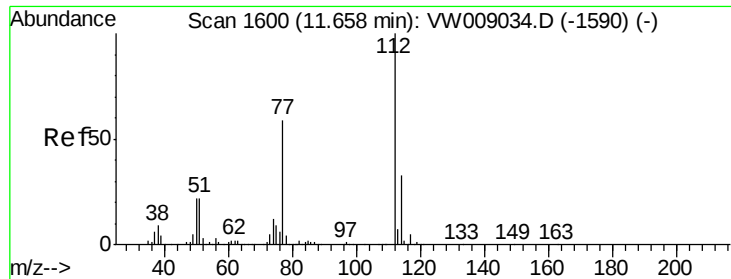
Tgt Ion:117 Resp: 413875
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.6
119 33.0 26.6 39.8



#64
Tetrachloroethene
Concen: 50.309 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion:164 Resp: 150157
Ion Ratio Lower Upper
164 100
166 123.1 97.8 146.6
129 87.9 71.6 107.4
131 84.4 71.4 107.0

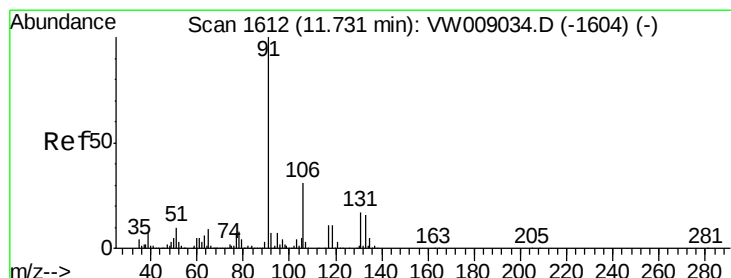
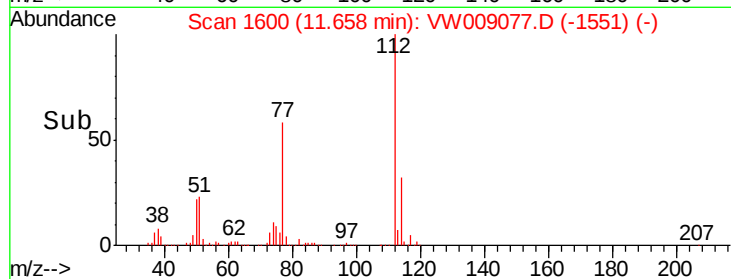
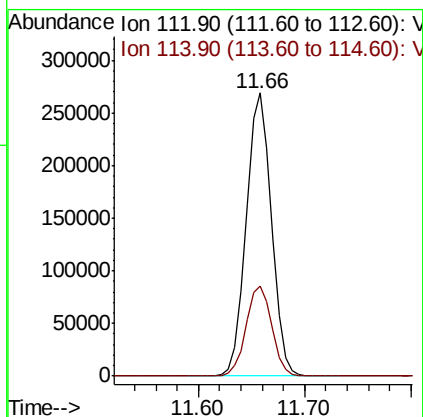
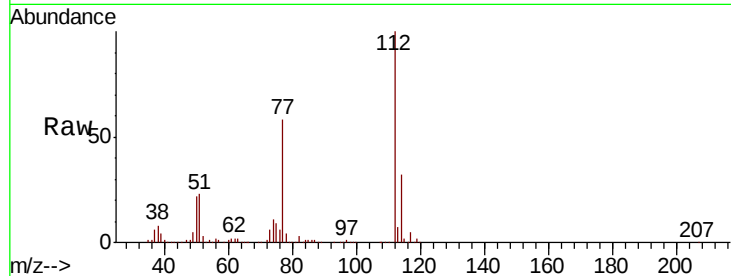




#65
Chlorobenzene
Concen: 49.637 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

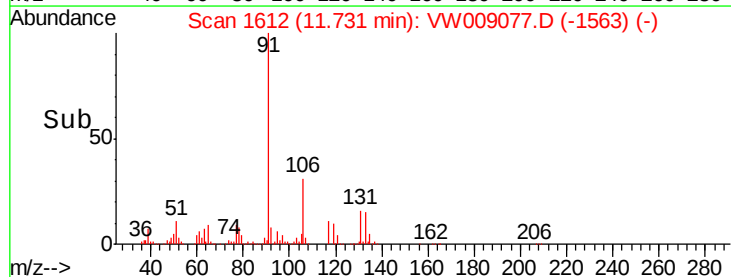
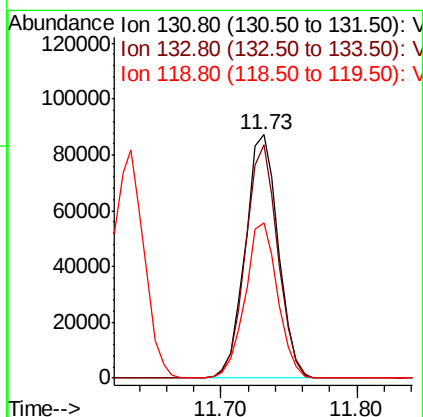
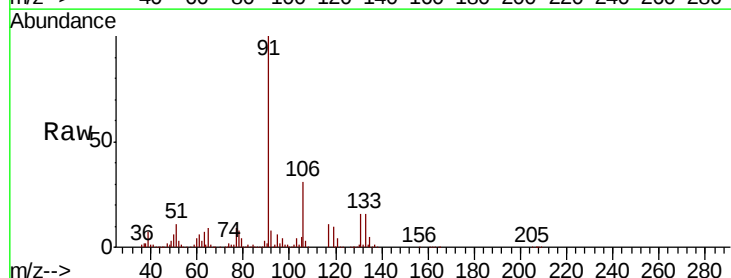
Instrument :
MSVOA_W
ClientSampleId :
BFB

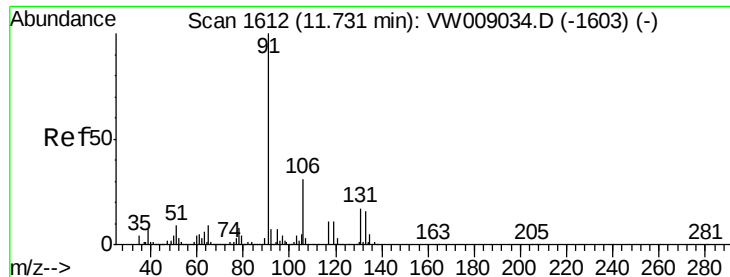
Tgt Ion:112 Resp: 447158
Ion Ratio Lower Upper
112 100
114 31.9 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.277 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion:131 Resp: 148221
Ion Ratio Lower Upper
131 100
133 94.1 47.6 142.8
119 62.7 31.3 93.8

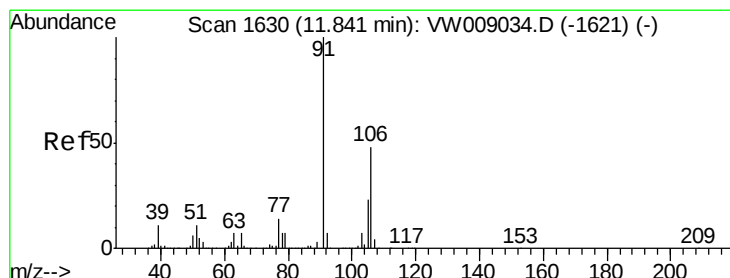
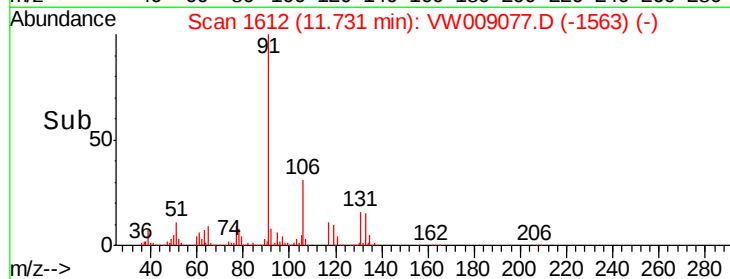
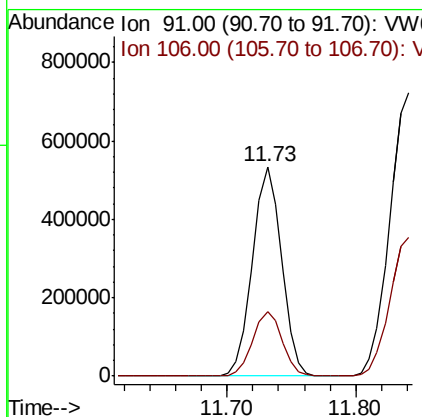
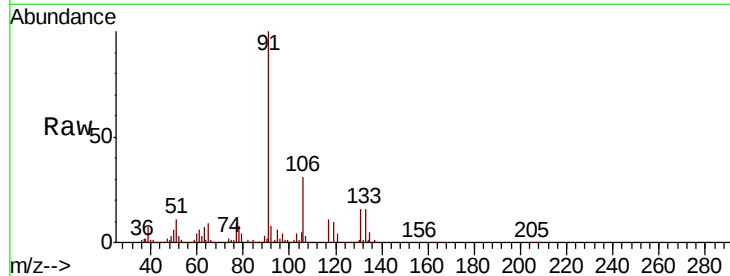




#67
Ethyl Benzene
Concen: 51.014 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

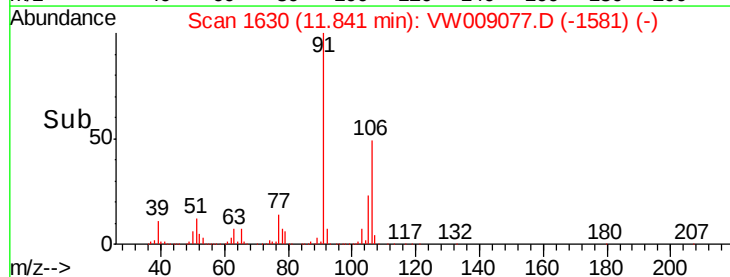
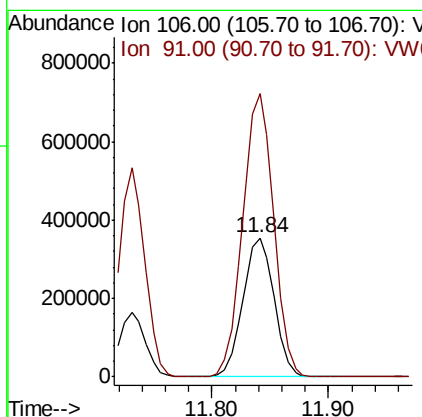
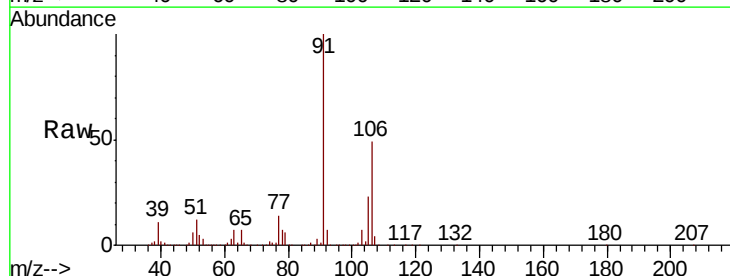
Instrument :
MSVOA_W
ClientSampled :
BFB

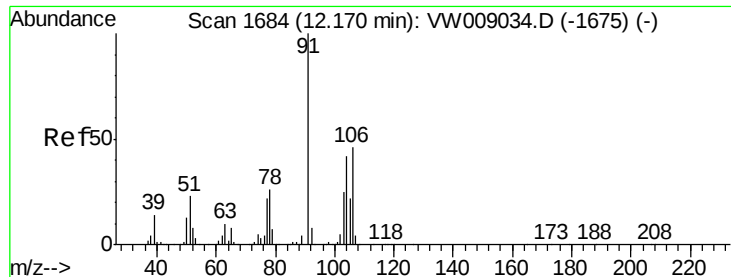
Tgt Ion: 91 Resp: 830220
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.4



#68
m/p-Xylenes
Concen: 102.769 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 106 Resp: 660155
Ion Ratio Lower Upper
106 100
91 202.6 163.2 244.8

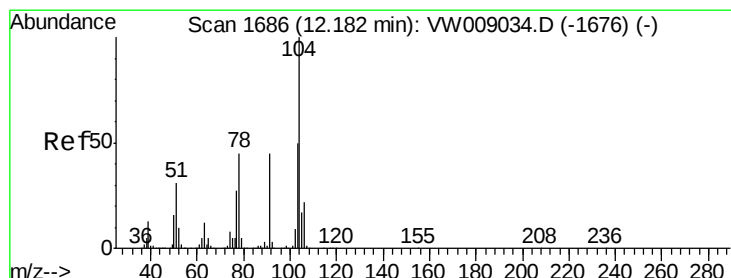
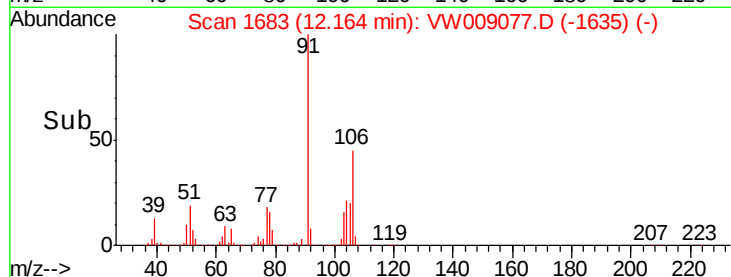
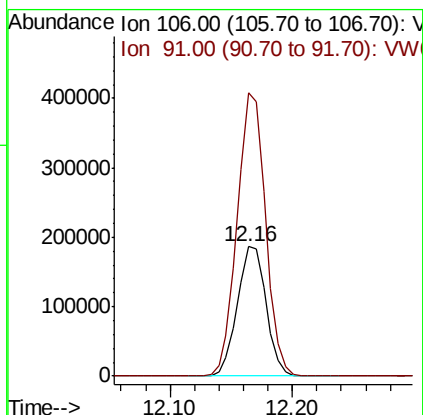
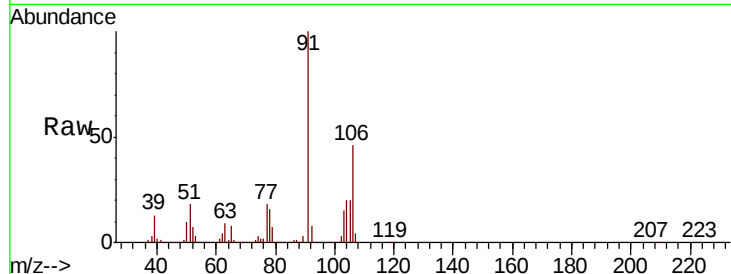




#69
o-Xylene
Concen: 50.833 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

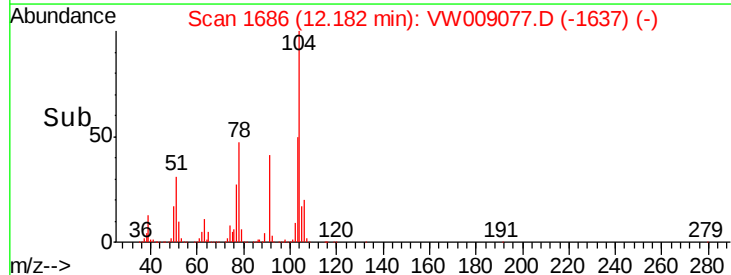
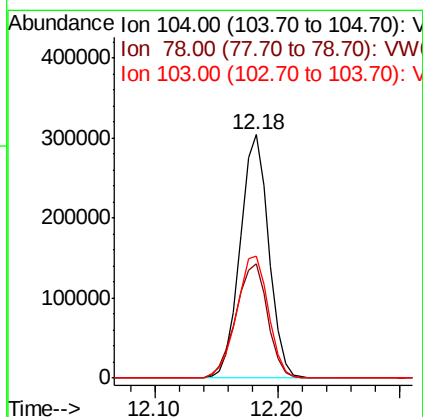
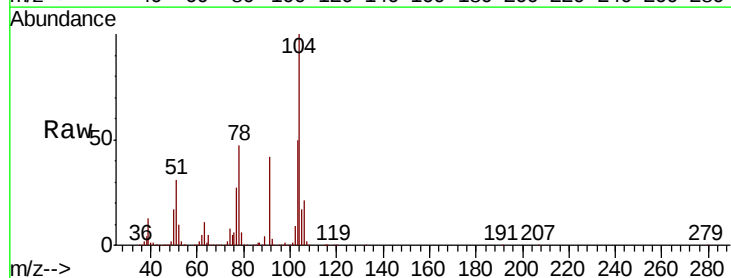
Instrument :
MSVOA_W
ClientSampled :
BFB

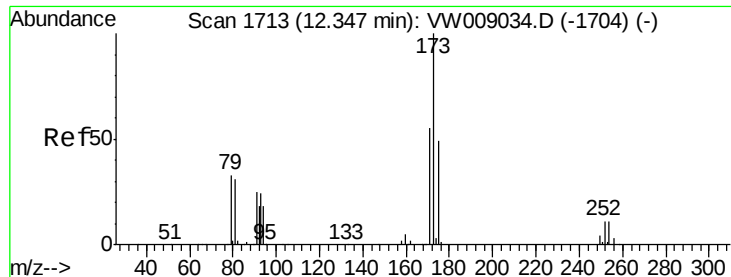
Tgt Ion:106 Resp: 303825
Ion Ratio Lower Upper
106 100
91 215.5 108.6 325.6



#70
Styrene
Concen: 50.908 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion:104 Resp: 492301
Ion Ratio Lower Upper
104 100
78 52.4 42.1 63.1
103 55.8 43.9 65.9

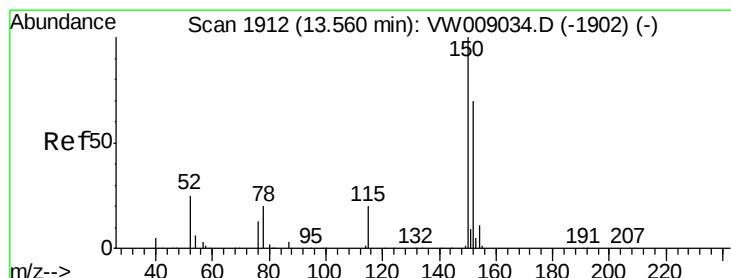
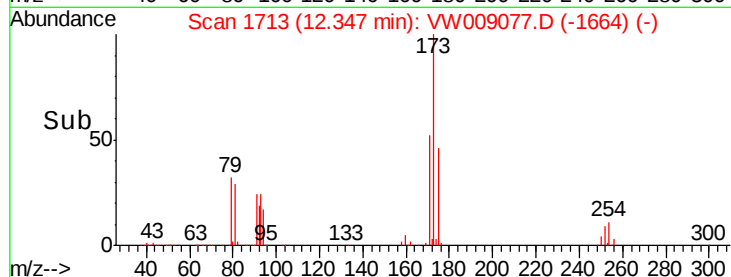
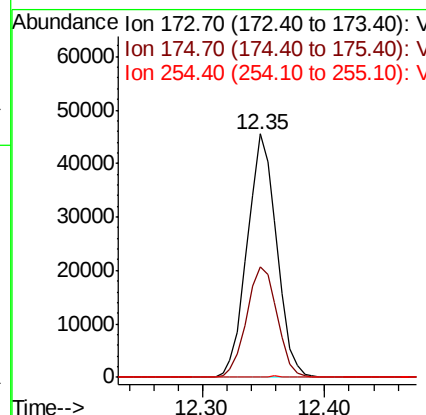
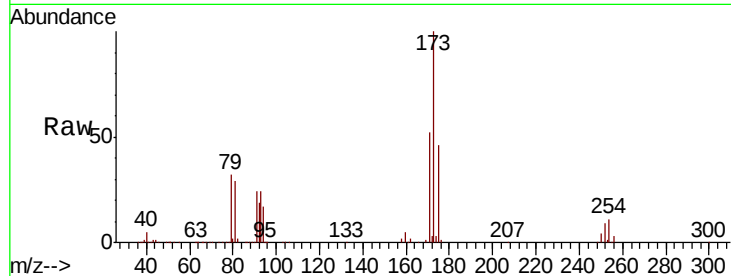




#71
Bromoform
Concen: 47.126 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

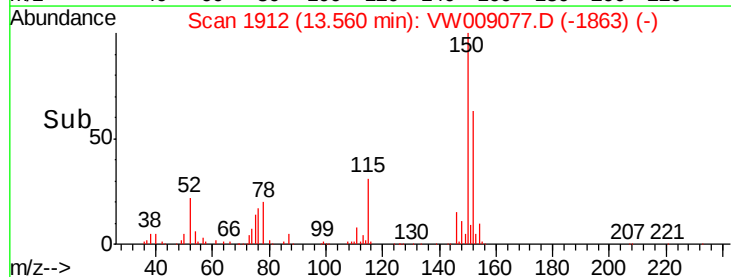
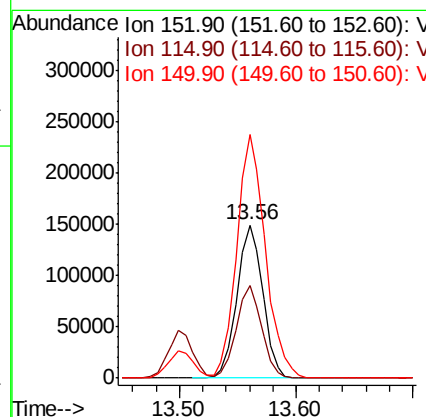
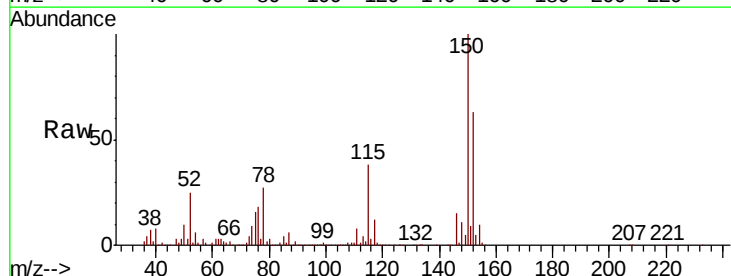
Instrument :
MSVOA_W
ClientSampleId :
BFB

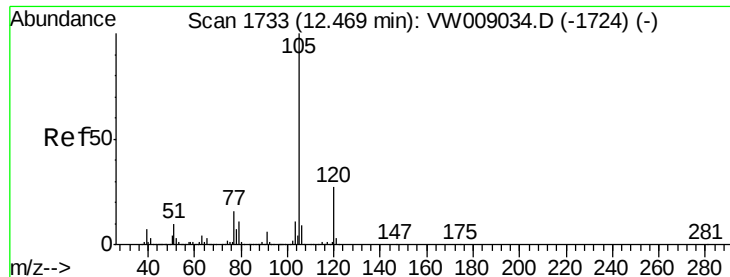
Tgt Ion:173 Resp: 76112
Ion Ratio Lower Upper
173 100
175 47.0 24.6 74.0
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion:152 Resp: 230578
Ion Ratio Lower Upper
152 100
115 59.4 28.9 86.7
150 176.3 0.0 349.2





#73

Isopropylbenzene

Concen: 51.881 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

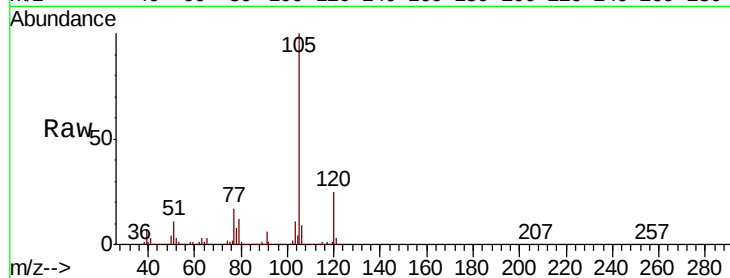
BFB

Tgt Ion: 105 Resp: 856665

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

600000

500000

400000

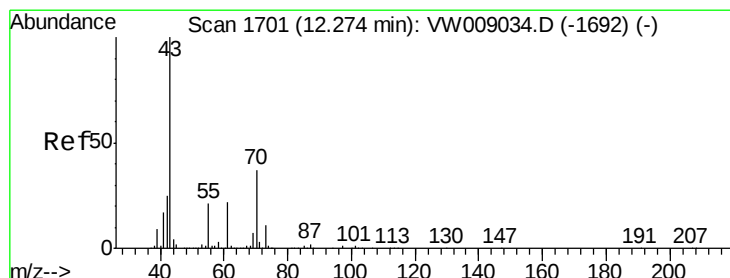
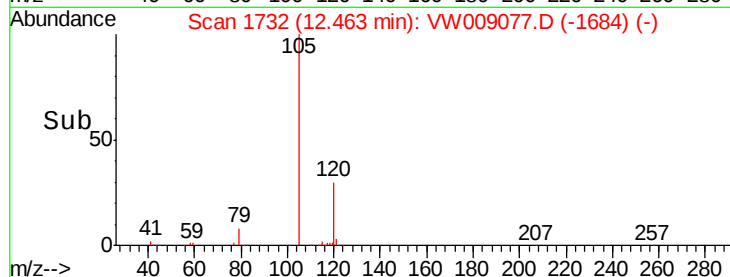
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 45.122 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Tgt Ion: 43 Resp: 176377

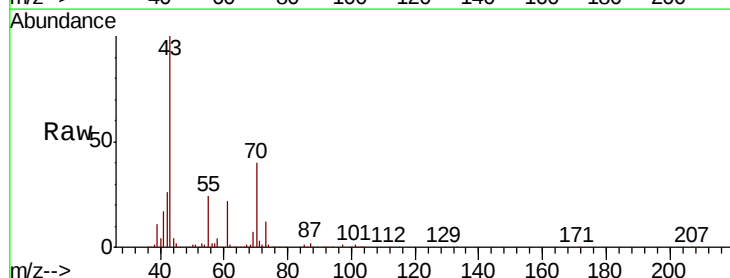
Ion Ratio Lower Upper

43 100

70 38.3 30.8 46.2

55 24.3 17.8 26.8

61 21.7 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

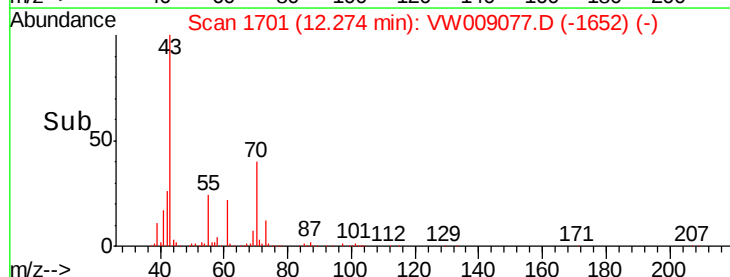
150000

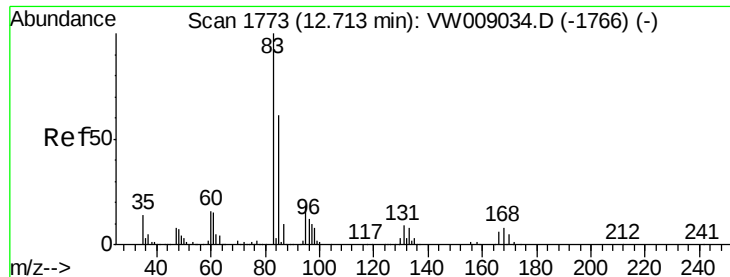
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.273 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

BFB

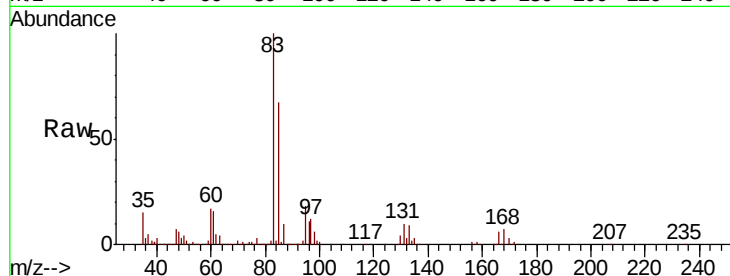
Tgt Ion: 83 Resp: 115315

Ion Ratio Lower Upper

83 100

131 11.6 5.5 16.7

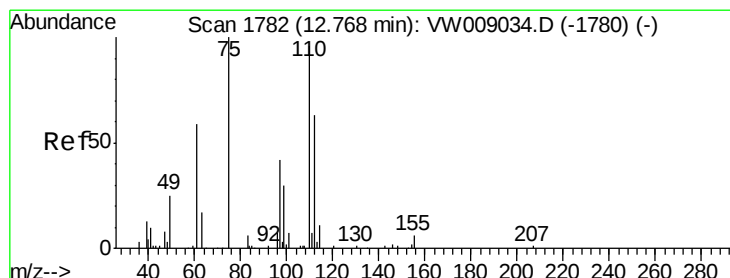
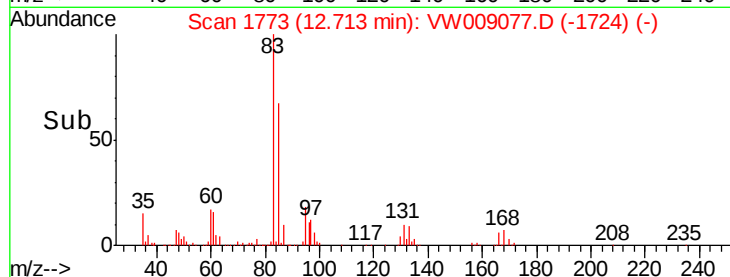
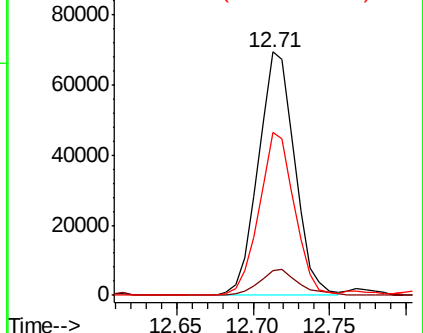
85 64.8 31.7 95.1



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: 92.842 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009077.D

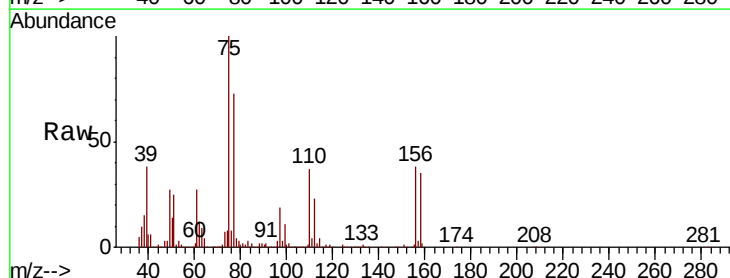
Acq: 11 Mar 2019 10:38

Tgt Ion: 75 Resp: 169135

Ion Ratio Lower Upper

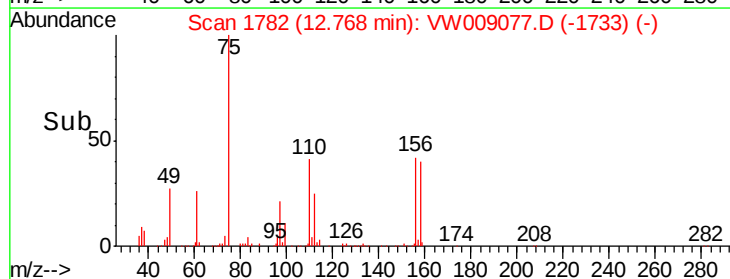
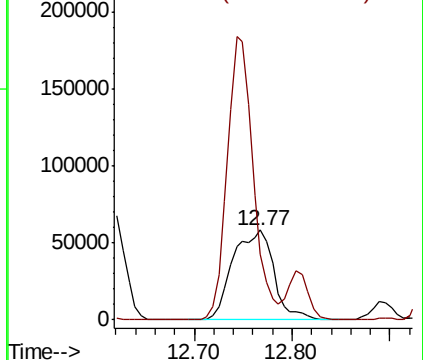
75 100

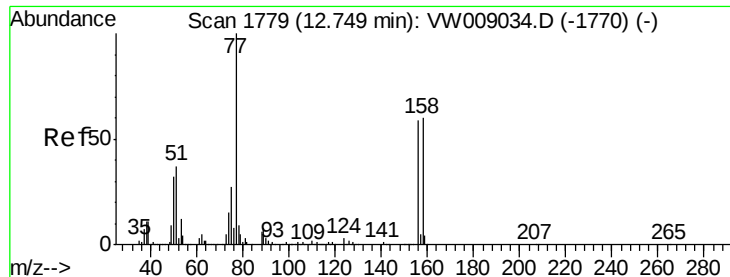
77 0.0 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.877 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

BFB

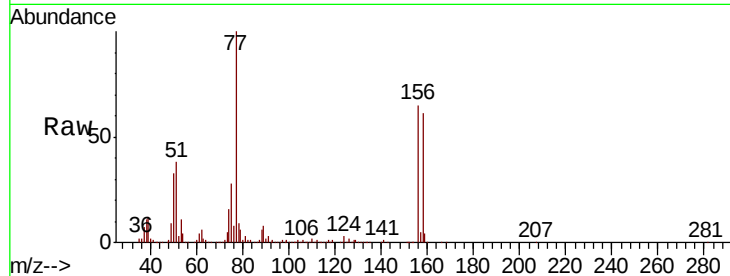
Tgt Ion:156 Resp: 191948

Ion Ratio Lower Upper

156 100

77 177.0 93.0 279.2

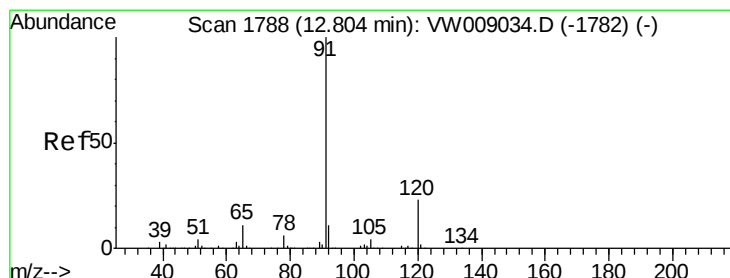
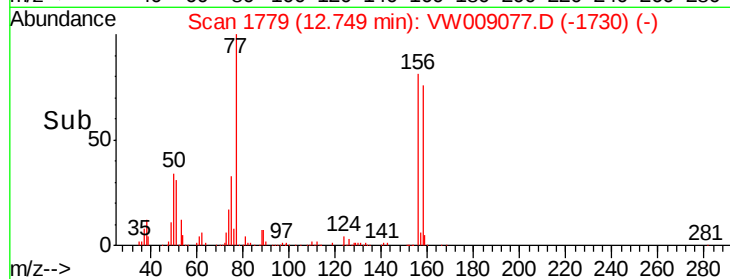
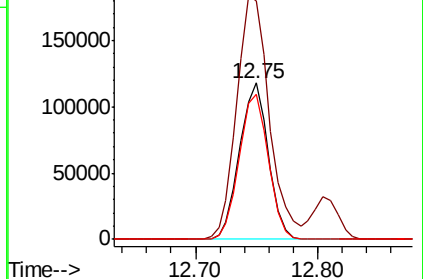
158 94.2 50.0 149.8



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: 52.576 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009077.D

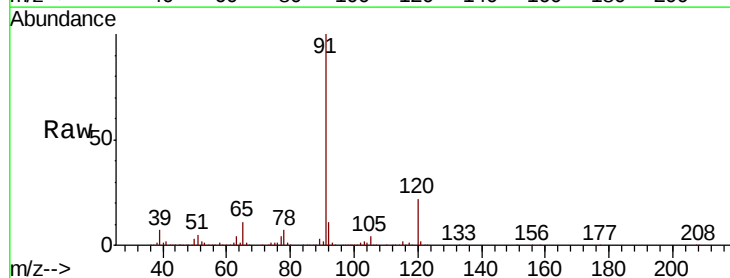
Acq: 11 Mar 2019 10:38

Tgt Ion: 91 Resp: 1069325

Ion Ratio Lower Upper

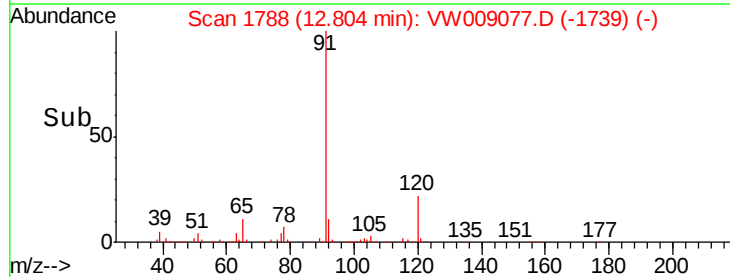
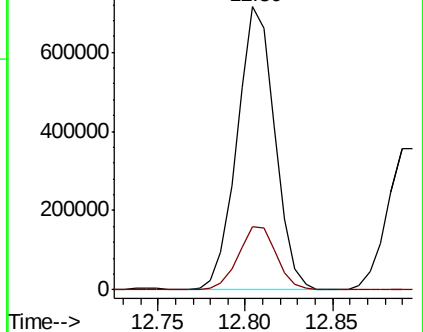
91 100

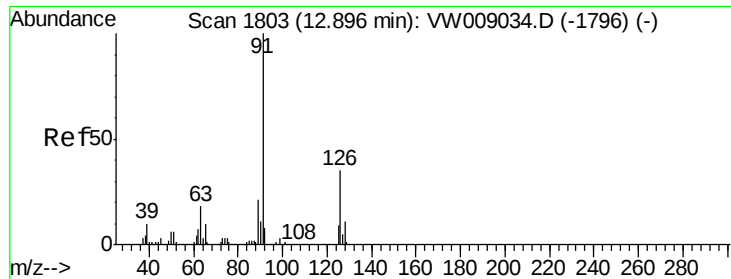
120 22.6 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.024 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

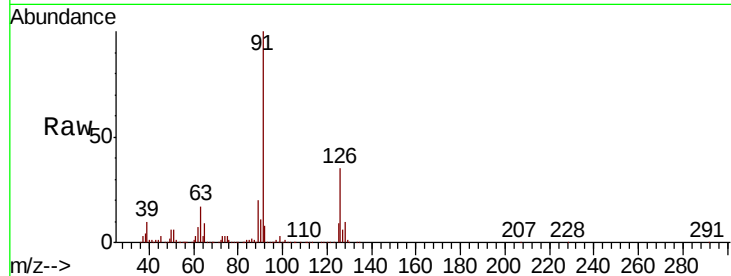
BFB

Tgt Ion: 91 Resp: 583053

Ion Ratio Lower Upper

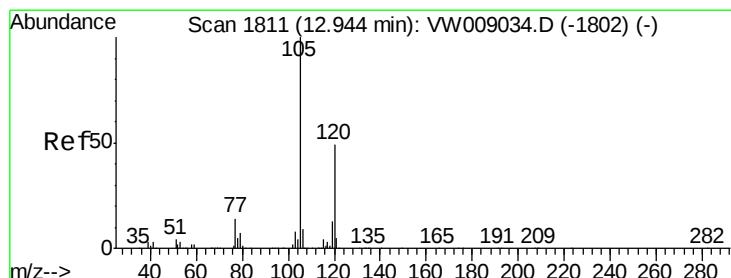
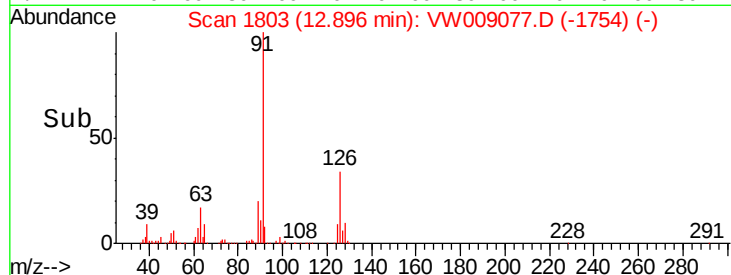
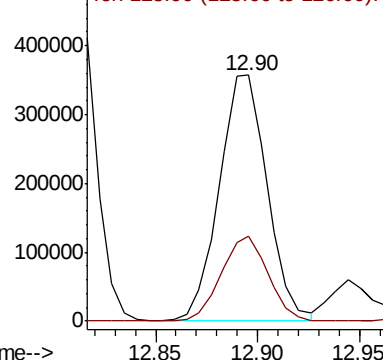
91 100

126 33.7 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.022 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009077.D

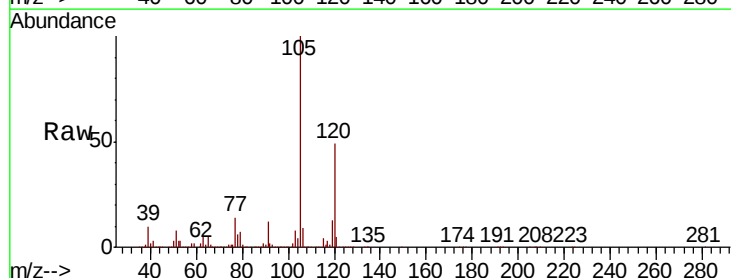
Acq: 11 Mar 2019 10:38

Tgt Ion: 105 Resp: 740438

Ion Ratio Lower Upper

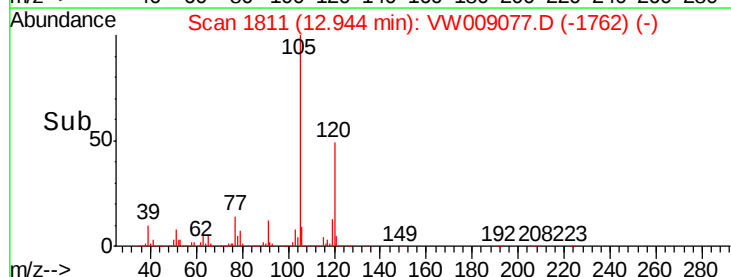
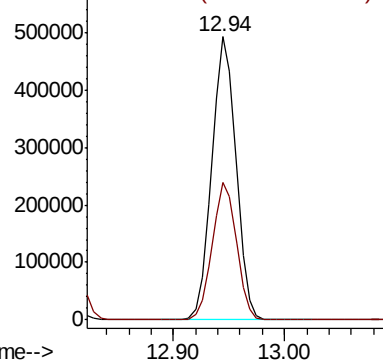
105 100

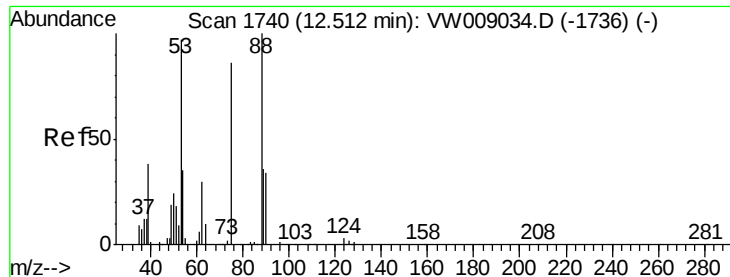
120 48.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

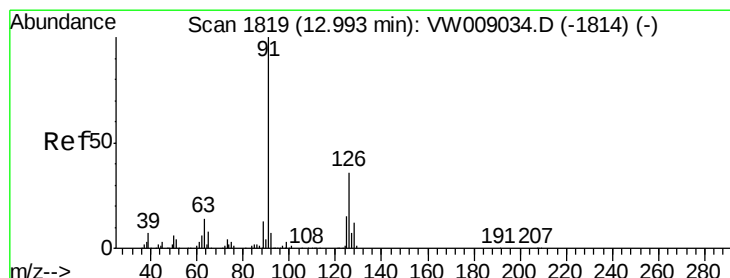
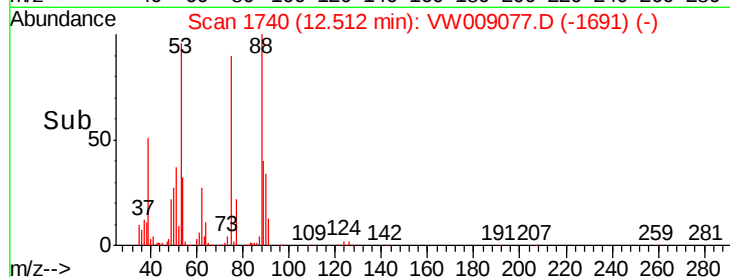
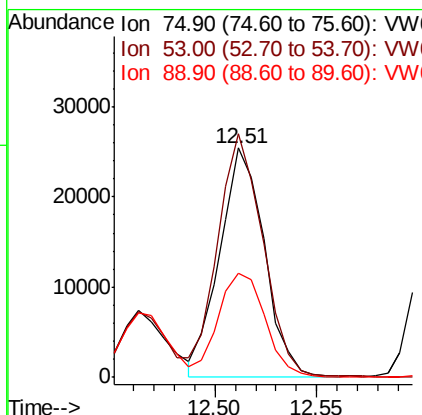
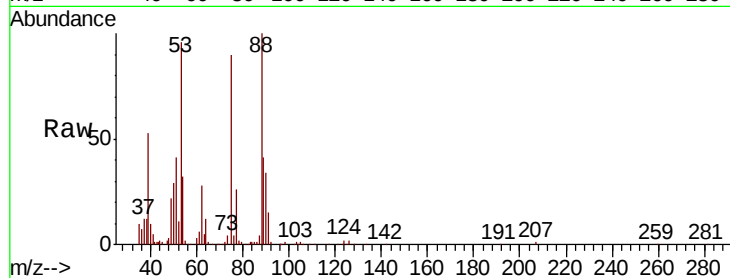




#81
trans-1,4-Dichloro-2-butene
Concen: 47.064 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

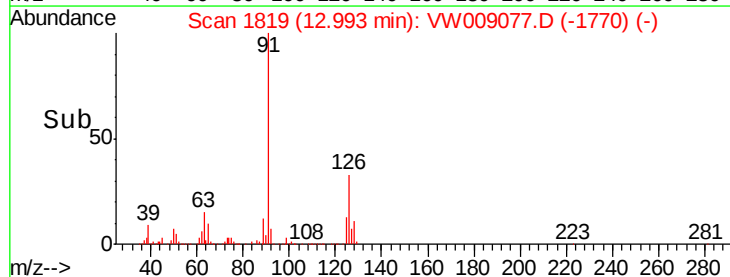
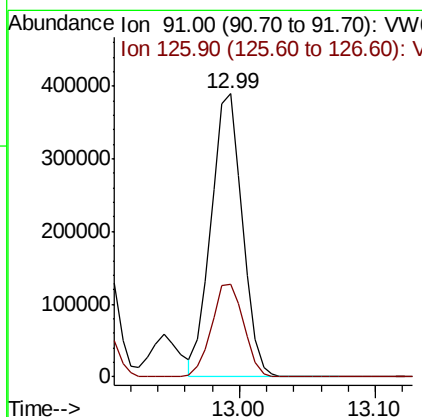
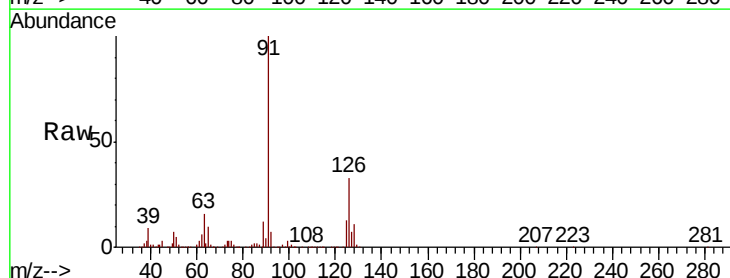
Instrument :
MSVOA_W
ClientSampleId :
BFB

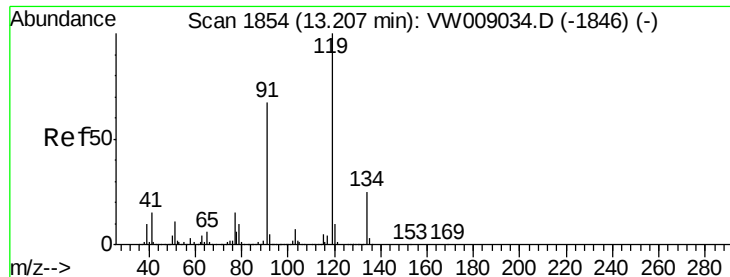
Tgt Ion: 75 Resp: 38332
Ion Ratio Lower Upper
75 100
53 110.2 90.5 135.7
89 48.4 37.5 56.3



#82
4-Chlorotoluene
Concen: 50.742 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 91 Resp: 618084
Ion Ratio Lower Upper
91 100
126 33.8 16.6 49.8





#83

tert-Butylbenzene

Concen: 52.140 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

BFB

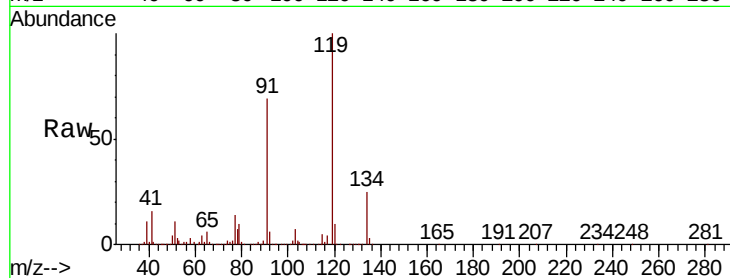
Tgt Ion:119 Resp: 625889

Ion Ratio Lower Upper

119 100

91 68.7 34.2 102.5

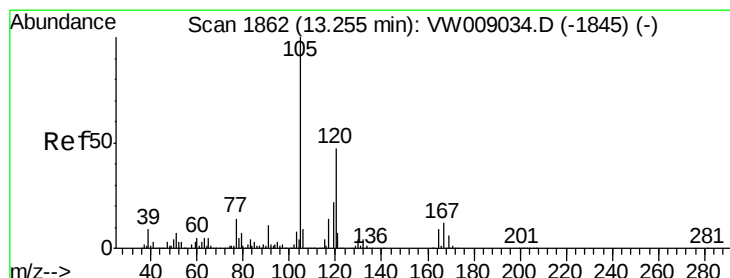
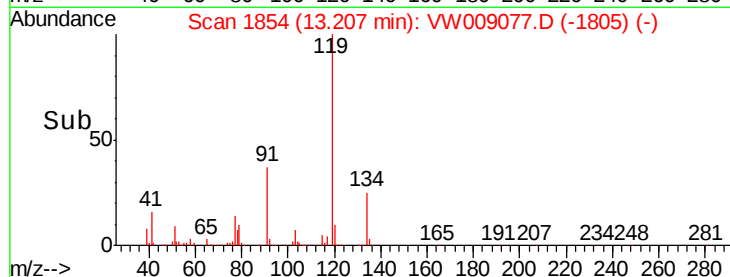
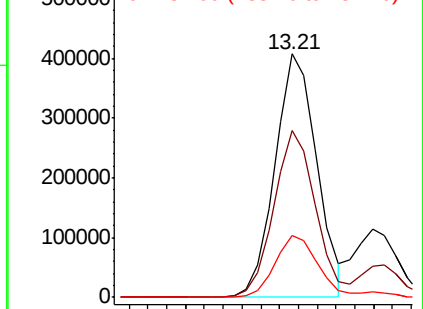
134 27.7 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VV

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.499 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009077.D

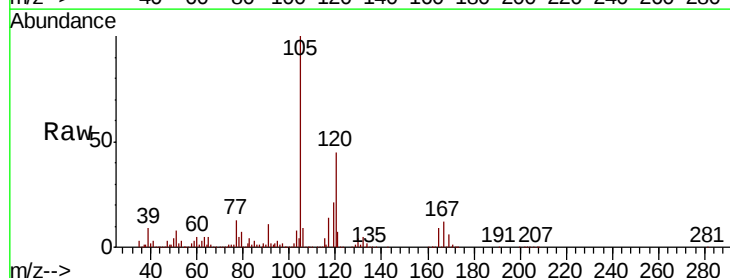
Acq: 11 Mar 2019 10:38

Tgt Ion:105 Resp: 755870

Ion Ratio Lower Upper

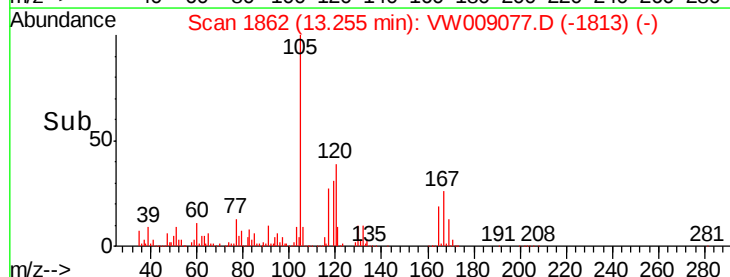
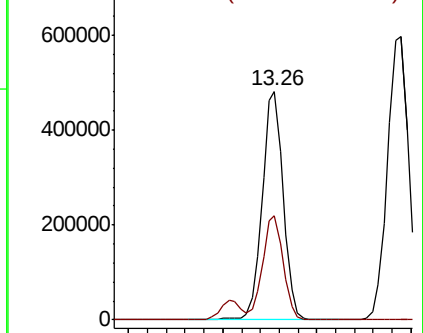
105 100

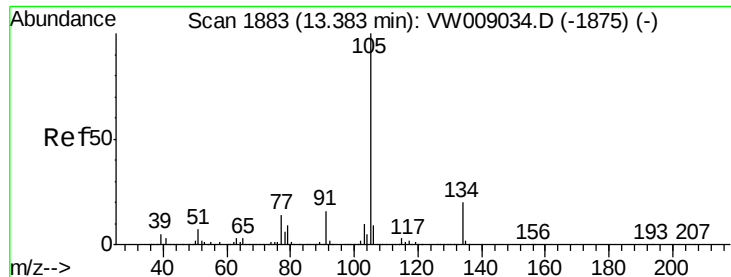
120 44.8 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

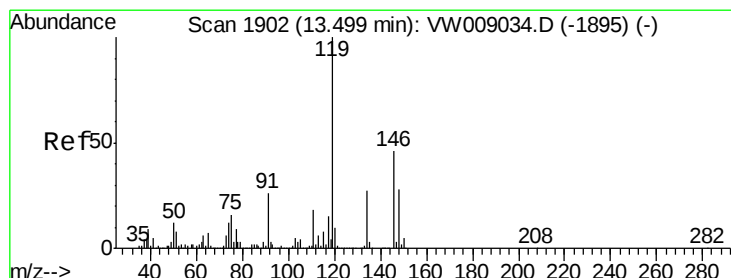
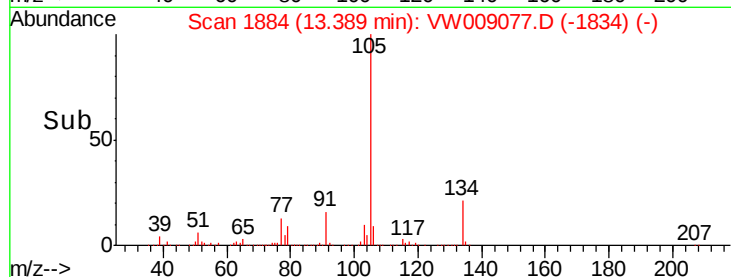
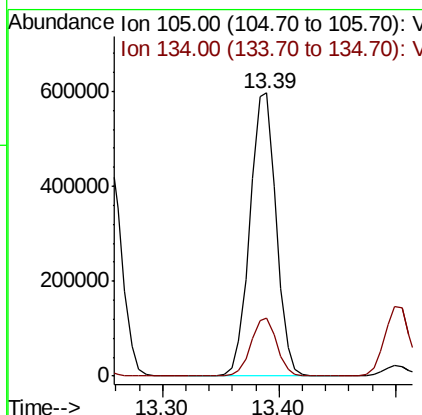
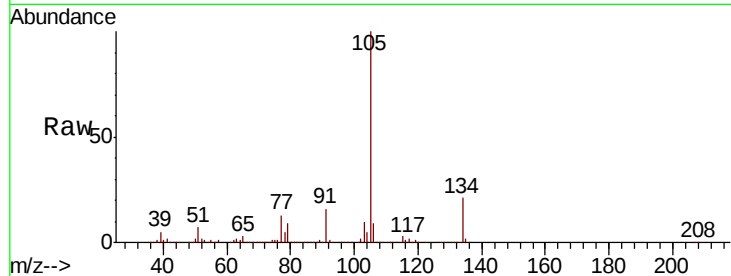




#85
 sec-Butylbenzene
 Concen: 52.645 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

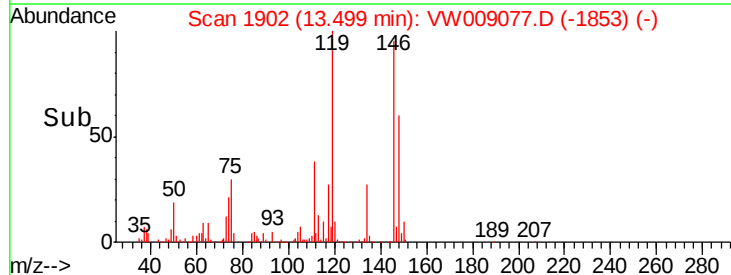
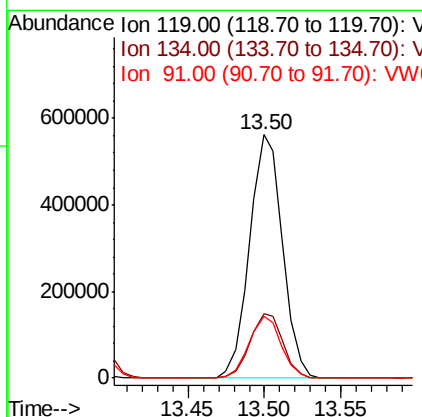
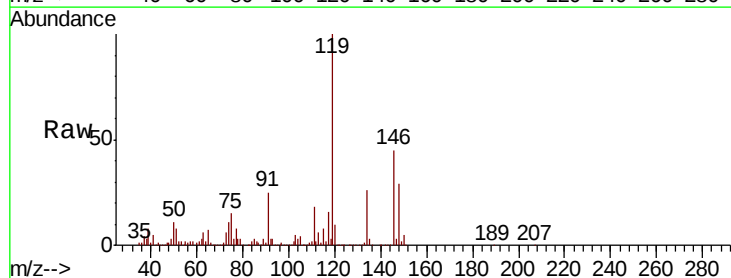
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

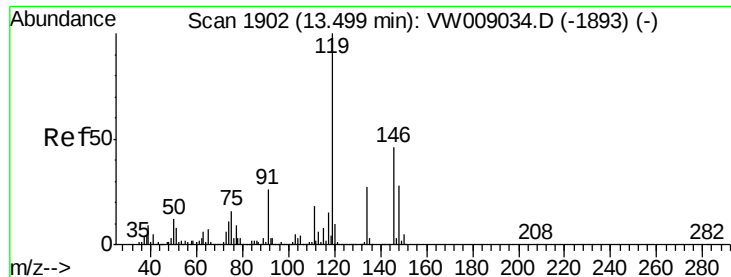
Tgt Ion:105 Resp: 936315
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 52.641 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

Tgt Ion:119 Resp: 837536
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 24.9 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 50.913 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

BFB

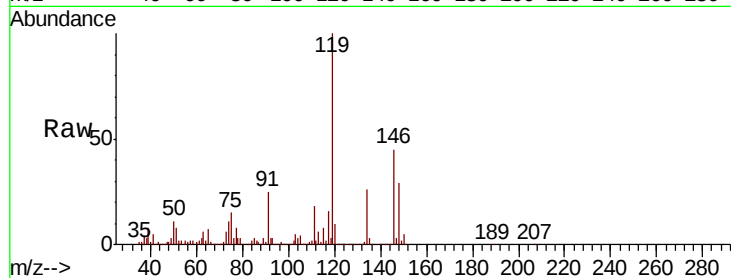
Tgt Ion:146 Resp: 403679

Ion Ratio Lower Upper

146 100

111 39.6 19.8 59.4

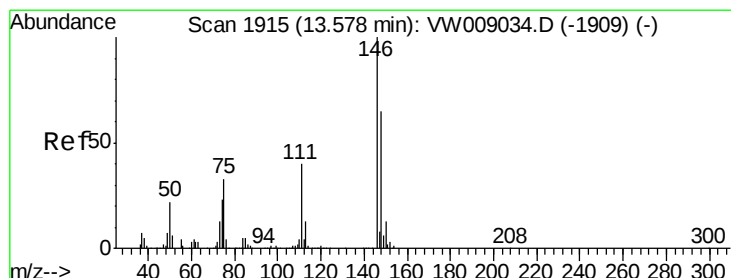
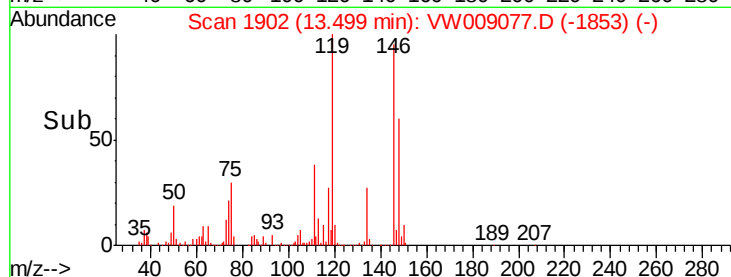
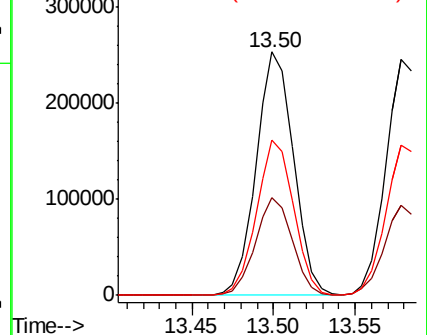
148 63.3 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.380 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

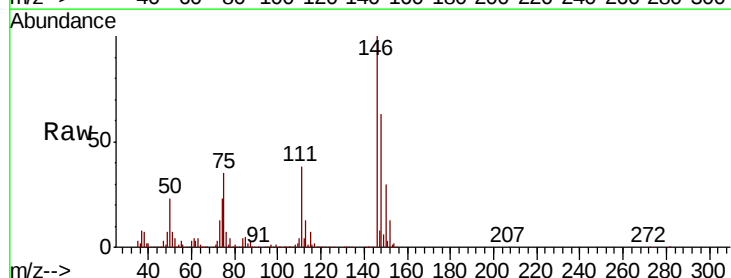
Tgt Ion:146 Resp: 394763

Ion Ratio Lower Upper

146 100

111 38.7 19.7 59.0

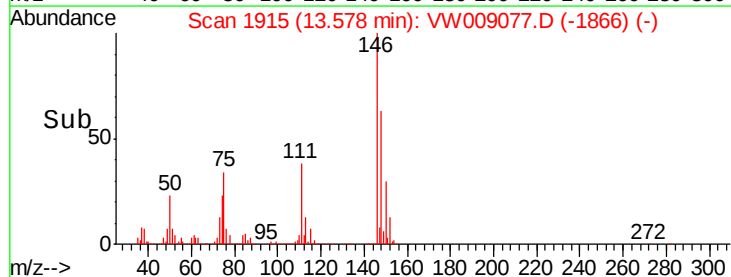
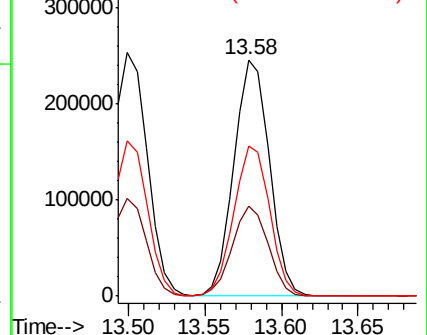
148 64.3 32.2 96.6

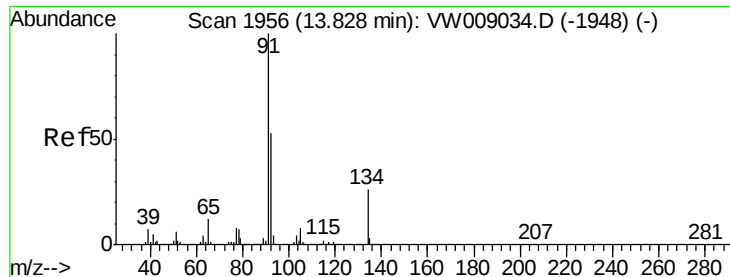


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.881 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

BFB

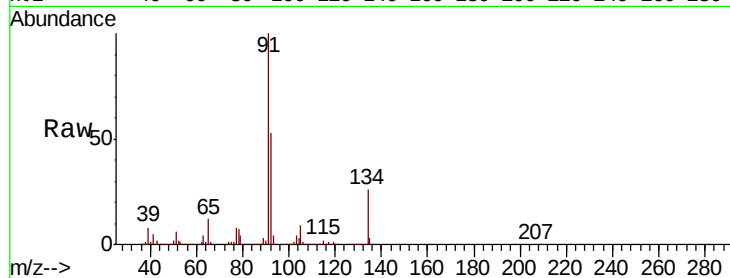
Tgt Ion: 91 Resp: 814968

Ion Ratio Lower Upper

91 100

92 52.7 26.8 80.3

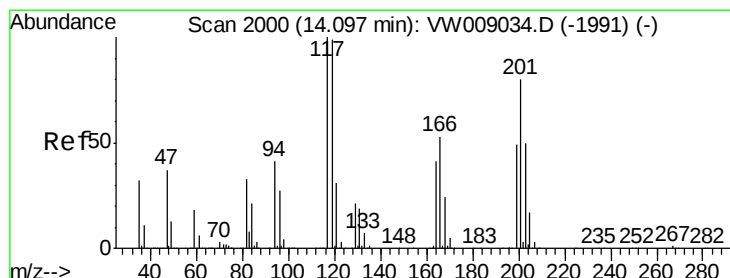
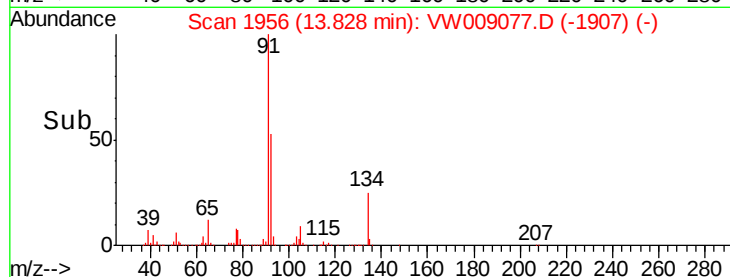
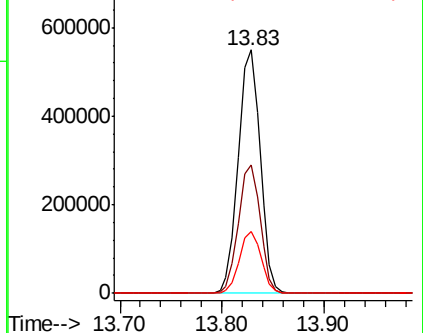
134 25.4 12.9 38.7



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: 53.160 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009077.D

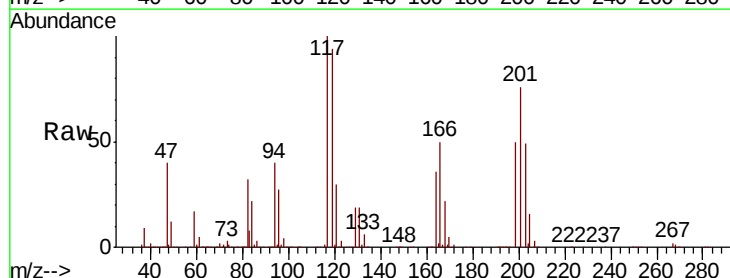
Acq: 11 Mar 2019 10:38

Tgt Ion: 117 Resp: 145872

Ion Ratio Lower Upper

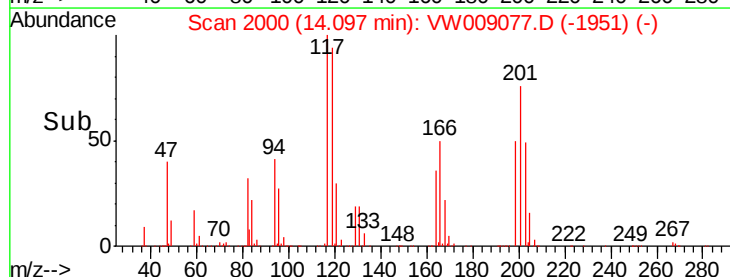
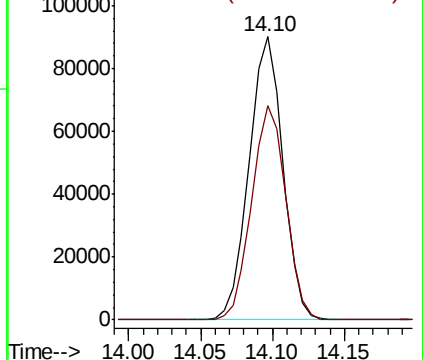
117 100

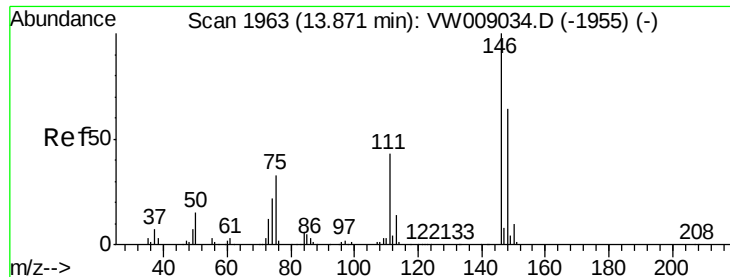
201 76.5 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.943 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_W

ClientSampled :

BFB

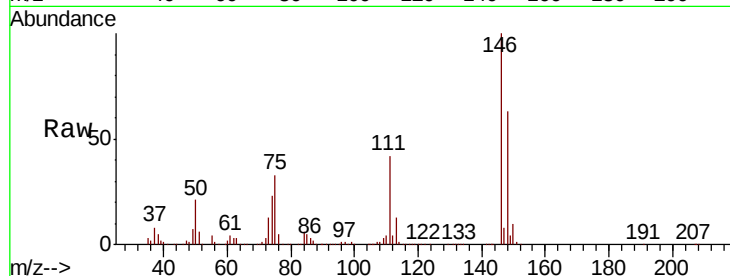
Tgt Ion:146 Resp: 349374

Ion Ratio Lower Upper

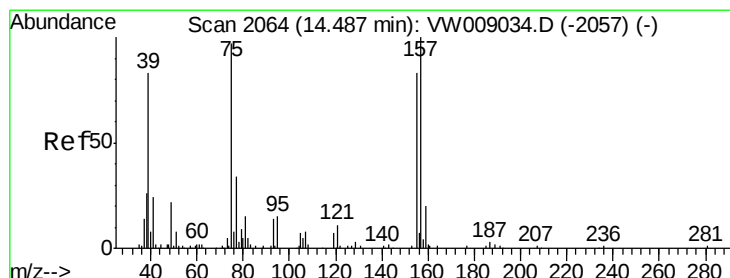
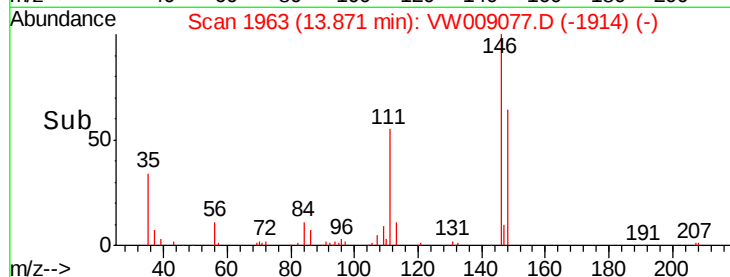
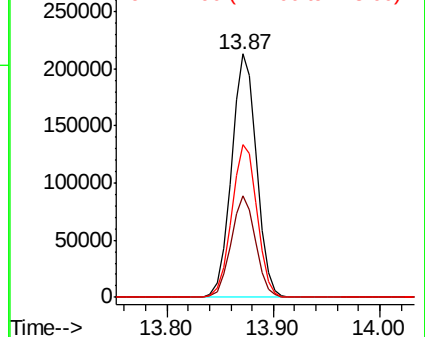
146 100

111 41.0 21.1 63.1

148 63.5 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.997 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW009077.D

Acq: 11 Mar 2019 10:38

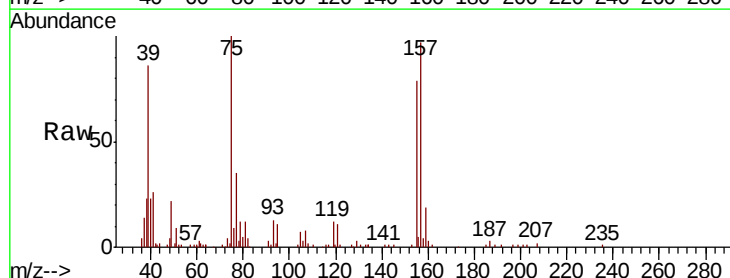
Tgt Ion: 75 Resp: 21802

Ion Ratio Lower Upper

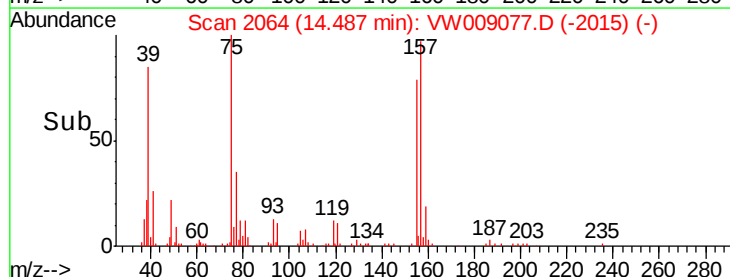
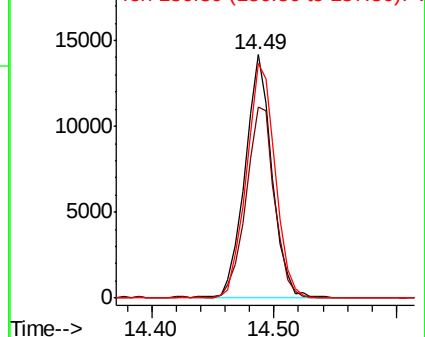
75 100

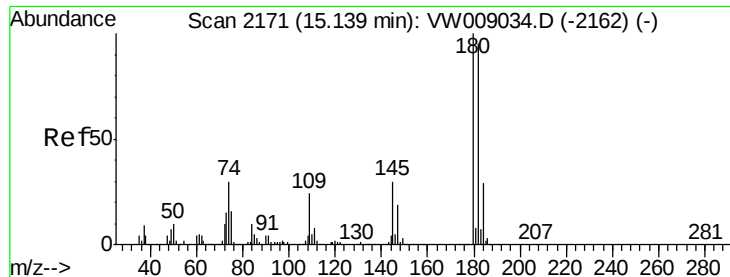
155 82.5 40.8 122.4

157 101.8 52.4 157.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

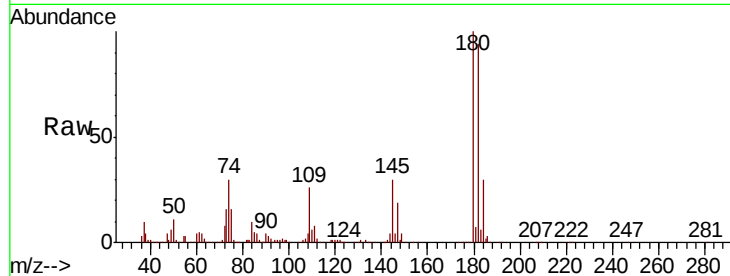




#93
 1,2,4-Trichlorobenzene
 Concen: 50.742 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.1	144.3
145	30.4	15.4	46.1

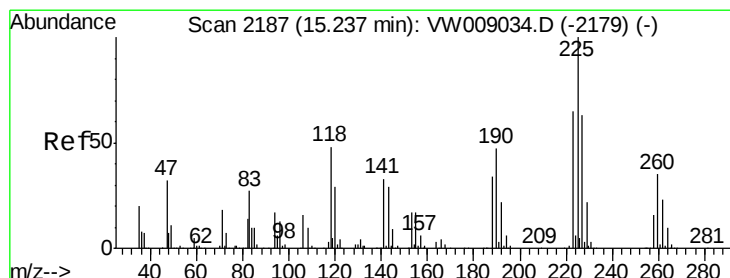
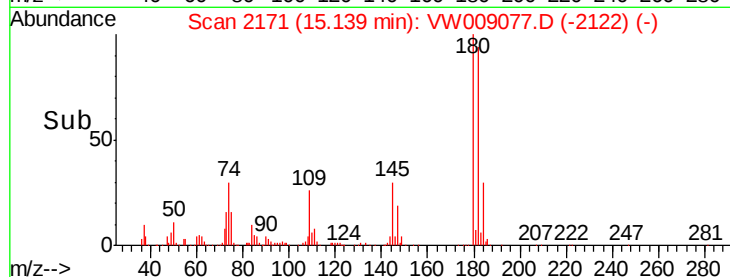
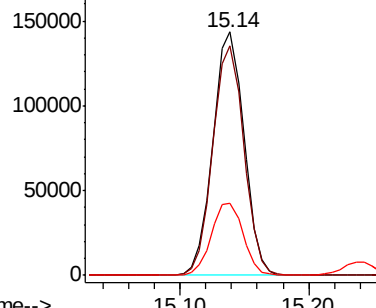


Abundance

Ion 179.80 (179.50 to 180.50): V

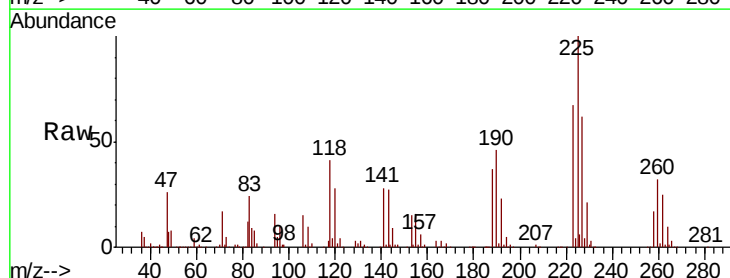
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.417 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009077.D
 Acq: 11 Mar 2019 10:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.6	94.8
227	64.9	32.0	96.2

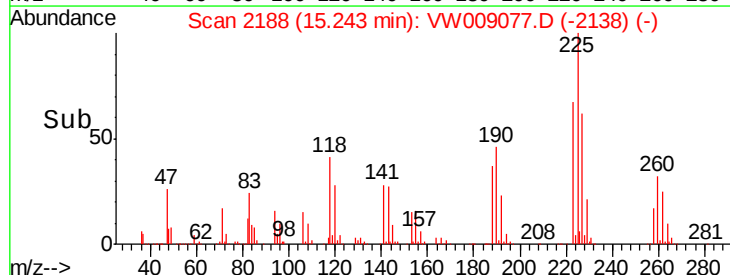
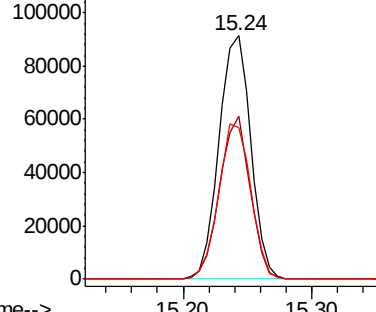


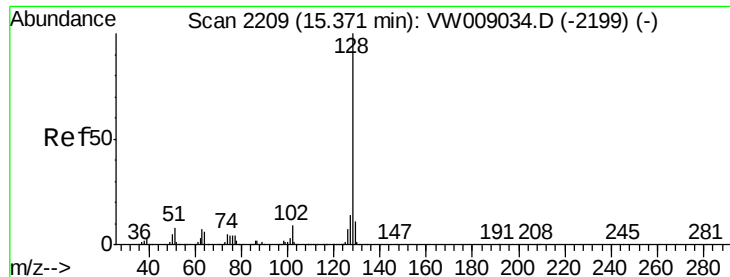
Abundance

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

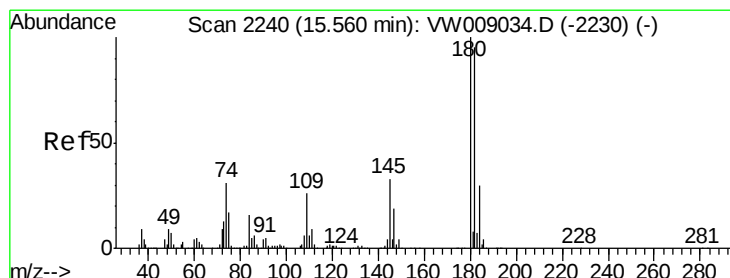
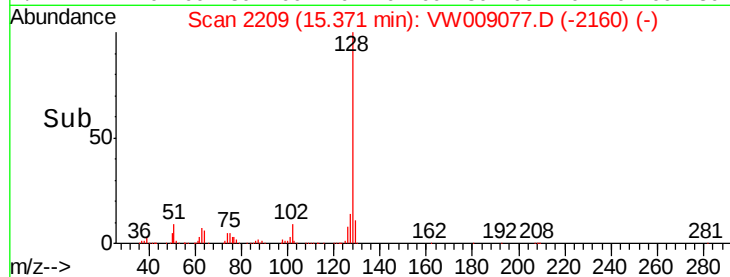
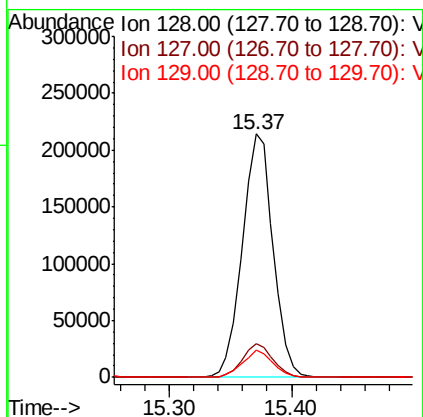
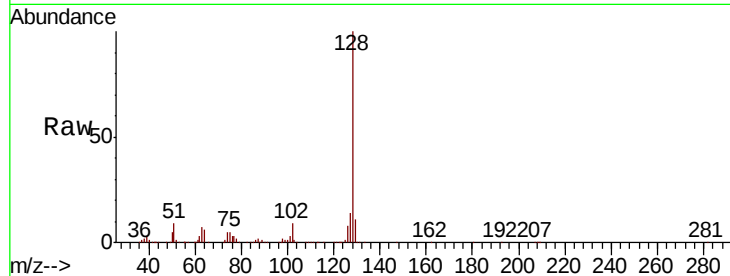




#95
Naphthalene
Concen: 48.270 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion:128 Resp: 373298
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.6
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.347 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009077.D
Acq: 11 Mar 2019 10:38

Tgt Ion:180 Resp: 200845
Ion Ratio Lower Upper
180 100
182 95.4 48.1 144.3
145 31.7 15.8 47.3

