

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010448.D
 Acq On : 20 May 2019 15:10
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: May 21 06:28:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:23:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	139212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	239732	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	208717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	6777	4.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.04%	
35) Dibromofluoromethane	7.88	113	6778	4.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.22%	
50) Toluene-d8	10.32	98	25007	4.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.10%	
62) 4-Bromofluorobenzene	12.62	95	11590	5.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.74%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	9059	7.598	ug/l 95
3) Chloromethane	2.21	50	8466	5.262	ug/l 93
4) Vinyl Chloride	2.36	62	9615	5.669	ug/l 100
5) Bromomethane	2.75	94	6693	6.749	ug/l 97
6) Chloroethane	2.91	64	5943	5.599	ug/l 96
7) Trichlorofluoromethane	3.26	101	13433	5.693	ug/l 94
8) Diethyl Ether	3.68	74	4061	4.928	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	8091	5.421	ug/l 98
10) Methyl Iodide	4.27	142	8527	5.044	ug/l 100
11) Tert butyl alcohol	5.17	59	3504	25.869	ug/l # 94
12) 1,1-Dichloroethene	4.03	96	7737	5.468	ug/l 91
13) Acrolein	3.89	56	3002	29.606	ug/l 90
14) Allyl chloride	4.67	41	10920	5.040	ug/l 95
15) Acrylonitrile	5.37	53	8720	25.046	ug/l 99
16) Acetone	4.12	43	8274	29.936	ug/l 95
17) Carbon Disulfide	4.37	76	22860	5.571	ug/l 99
18) Methyl Acetate	4.67	43	4013	4.867	ug/l 97
19) Methyl tert-butyl Ether	5.43	73	18801	4.746	ug/l 94
20) Methylene Chloride	4.92	84	15988	9.573	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	8874	5.394	ug/l 91
22) Diisopropyl ether	6.31	45	21478	4.685	ug/l 96
23) Vinyl Acetate	6.26	43	62115	21.915	ug/l 96
24) 1,1-Dichloroethane	6.22	63	12791	4.776	ug/l 98
25) 2-Butanone	7.17	43	10764	23.900	ug/l 95
26) 2,2-Dichloropropane	7.17	77	13223	5.421	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	9219	5.030	ug/l 99
28) Bromochloromethane	7.51	49	3689	3.745	ug/l # 99
29) Tetrahydrofuran	7.53	42	7855	25.775	ug/l 94
30) Chloroform	7.68	83	13885	4.925	ug/l 95
31) Cyclohexane	7.95	56	16059	5.937	ug/l # 71
32) 1,1,1-Trichloroethane	7.87	97	13776	5.172	ug/l 99
36) 1,1-Dichloropropene	8.09	75	11693	5.416	ug/l 99
37) Ethyl Acetate	7.26	43	5104	5.057	ug/l 96
38) Carbon Tetrachloride	8.07	117	12330	5.291	ug/l 98

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: May 21 06:28:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:23:24 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	15273	5.281	ug/l	94
40) Benzene	8.32	78	30985	5.044	ug/l	99
41) Methacrylonitrile	7.48	41	3038	5.167	ug/l	99
42) 1,2-Dichloroethane	8.40	62	8960	4.948	ug/l	100
43) Isopropyl Acetate	8.43	43	9806	4.799	ug/l	98
44) Trichloroethene	9.09	130	9256	5.240	ug/l	96
45) 1,2-Dichloropropane	9.37	63	7342	4.924	ug/l	98
46) Dibromomethane	9.46	93	4267	4.863	ug/l	96
47) Bromodichloromethane	9.65	83	10537	4.811	ug/l #	94
48) Methyl methacrylate	9.44	41	4243	4.493	ug/l	93
49) 1,4-Dioxane	9.45	88	1545	118.966	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	24862	23.755	ug/l	99
52) Toluene	10.39	92	20979	5.142	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	10955	4.868	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	11940	4.666	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	6272	4.956	ug/l	98
56) Ethyl methacrylate	10.65	69	8616	4.875	ug/l	95
57) 1,3-Dichloropropane	10.93	76	10381	4.887	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	17357	21.089	ug/l	100
59) 2-Hexanone	10.97	43	17600	24.075	ug/l	98
60) Dibromochloromethane	11.13	129	7703	4.892	ug/l	96
61) 1,2-Dibromoethane	11.24	107	6313	4.912	ug/l	98
64) Tetrachloroethene	10.86	164	7427	5.322	ug/l	91
65) Chlorobenzene	11.66	112	22989	5.358	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	7852	4.964	ug/l	100
67) Ethyl Benzene	11.73	91	40636	5.362	ug/l	99
68) m/p-Xylenes	11.84	106	31446	10.595	ug/l	96
69) o-Xylene	12.16	106	14816	5.247	ug/l	99
70) Styrene	12.18	104	24441	5.035	ug/l	98
71) Bromoform	12.35	173	4137	4.706	ug/l #	97
73) Isopropylbenzene	12.46	105	40699	5.272	ug/l	100
74) N-amyl acetate	12.27	43	8947	4.629	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	7568	5.056	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	9469	9.074	ug/l	25
77) Bromobenzene	12.75	156	8800	5.059	ug/l	95
78) n-propylbenzene	12.80	91	48136	5.389	ug/l	98
79) 2-Chlorotoluene	12.90	91	27974	5.368	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	34276	5.229	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	2399	4.537	ug/l	91
82) 4-Chlorotoluene	12.99	91	28604	5.265	ug/l	98
83) tert-Butylbenzene	13.21	119	30464	5.480	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	33961	5.256	ug/l	99
85) sec-Butylbenzene	13.39	105	43217	5.527	ug/l	96
86) p-Isopropyltoluene	13.50	119	38419	5.426	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	17564	5.239	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	17398	5.200	ug/l	90
89) n-Butylbenzene	13.83	91	36596	5.425	ug/l	99
90) Hexachloroethane	14.10	117	6959	4.907	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	15828	5.213	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1352	4.843	ug/l	97

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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BFB

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Quant Title : SW846 8260
QLast Update : Tue May 21 06:23:24 2019
Response via : Initial Calibration

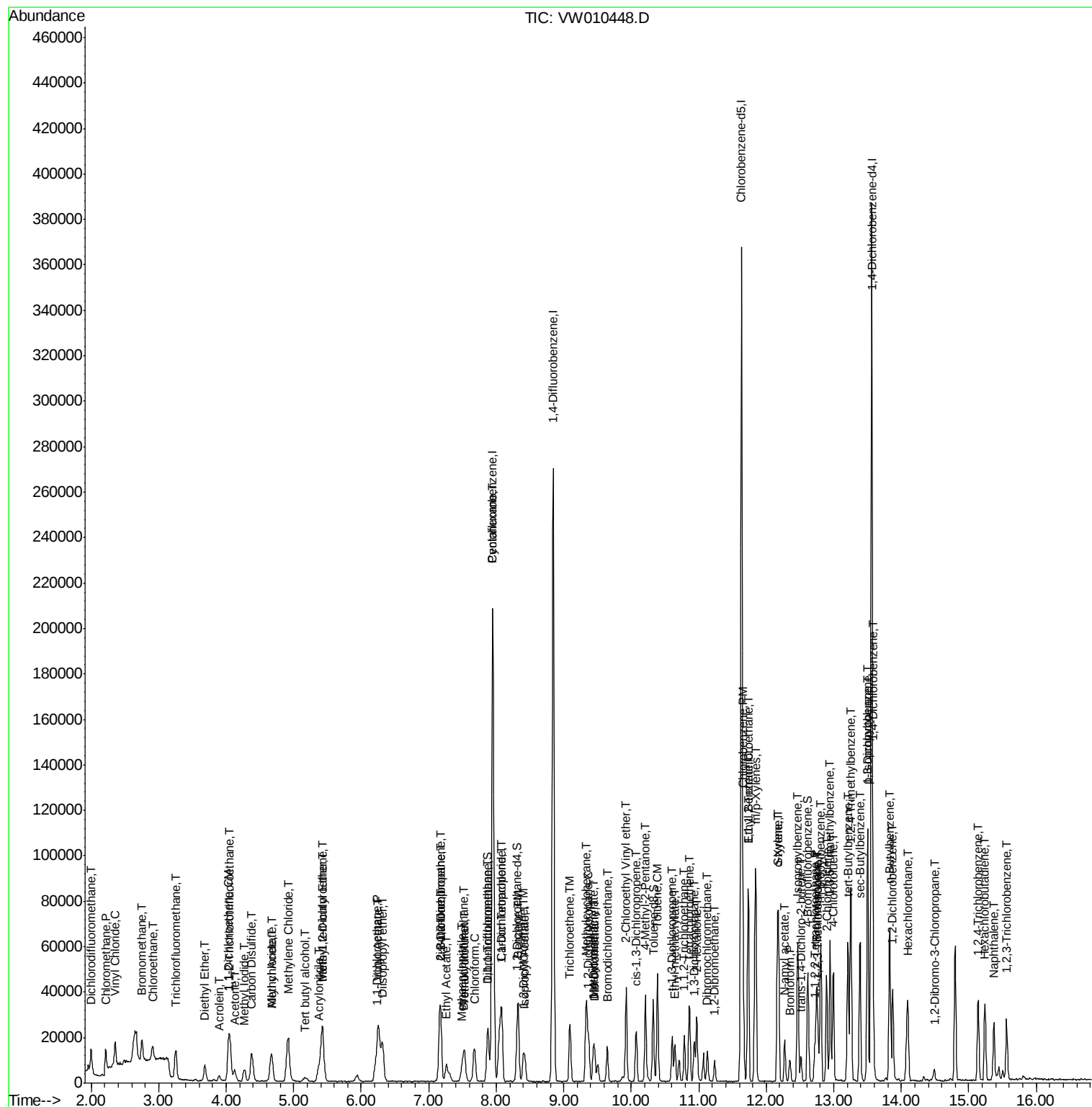
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	10523	5.247	ug/l	98
94) Hexachlorobutadiene	15.24	225	5652	5.253	ug/l	96
95) Naphthalene	15.37	128	22050	4.935	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	8879	5.037	ug/l	98

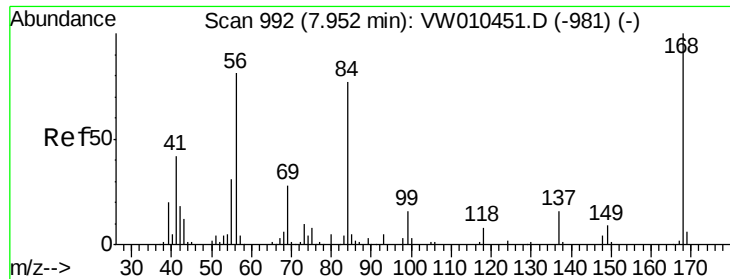
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052019\
Data File : VW010448.D
Acq On : 20 May 2019 15:10
Operator : SY/VA
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Quant Time: May 21 06:28:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

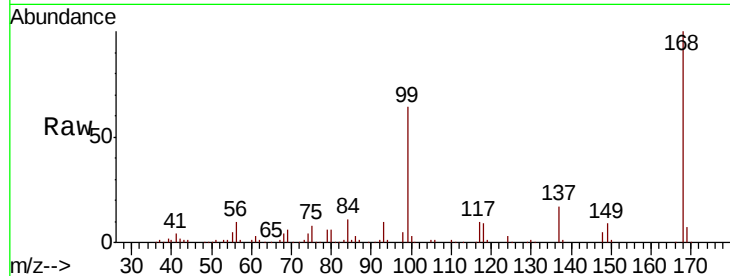
BFB

Tot Ion:168 Resp: 139212

Ion Ratio Lower Upper

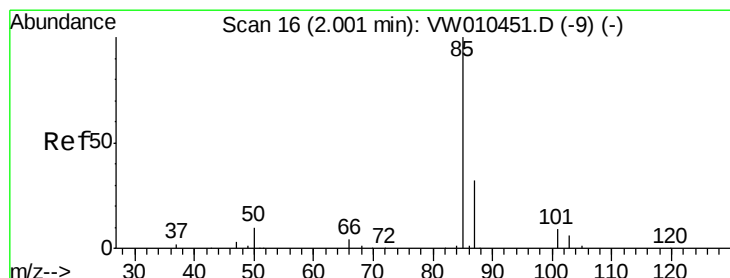
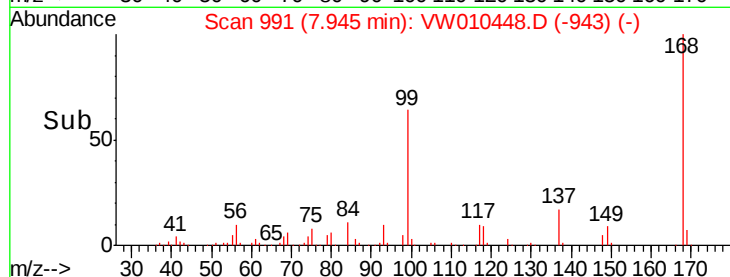
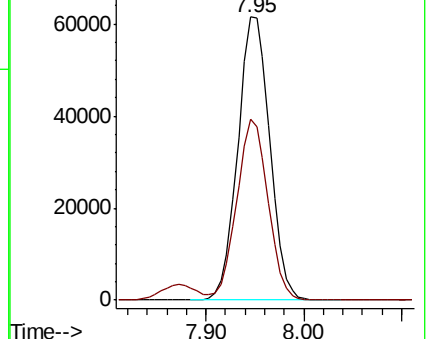
168 100

99 63.8 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 7.598 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010448.D

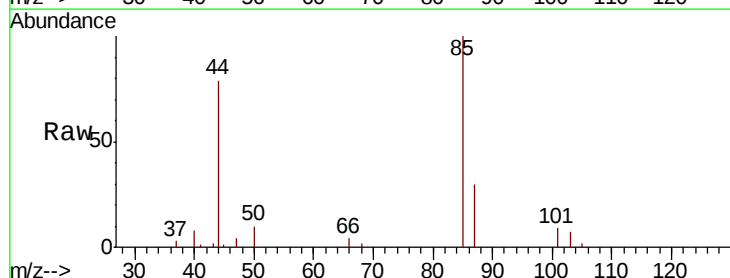
Acq: 20 May 2019 15:10

Tgt Ion: 85 Resp: 9059

Ion Ratio Lower Upper

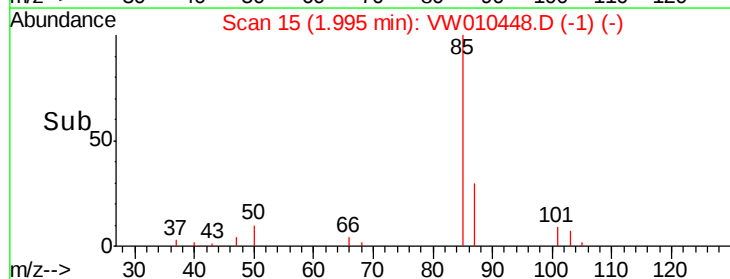
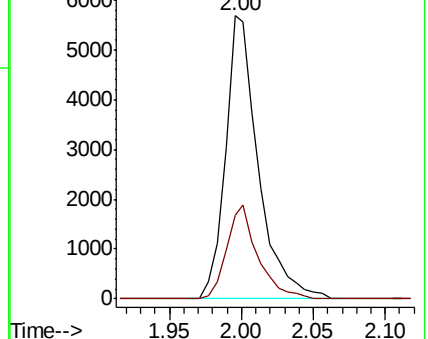
85 100

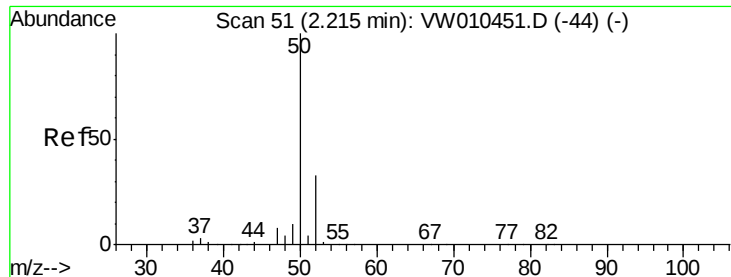
87 29.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 5.262 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

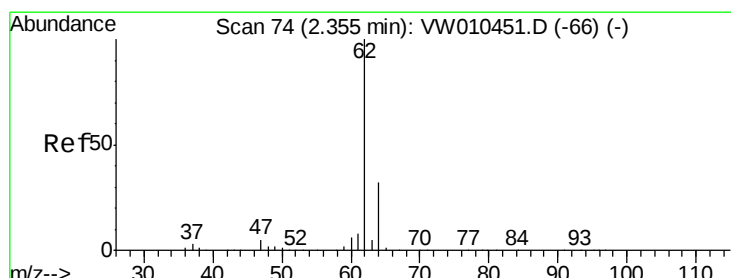
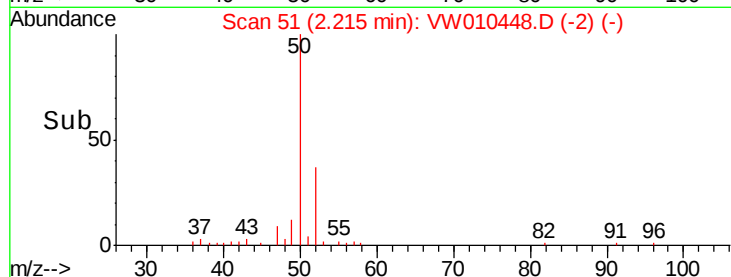
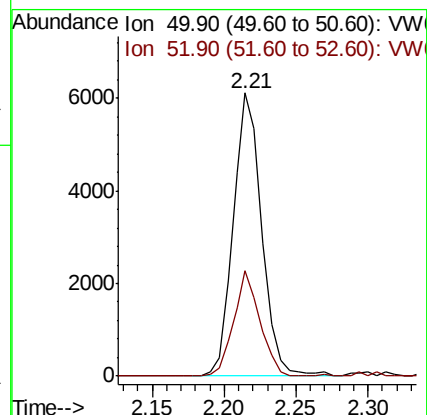
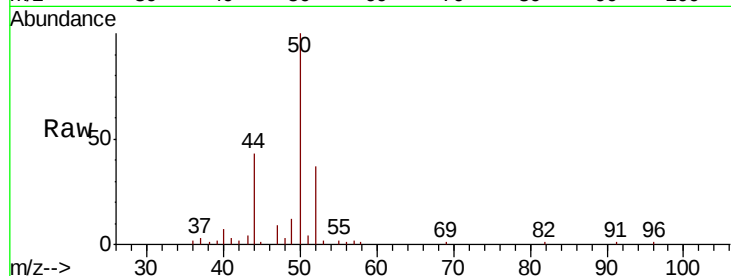
BFB

Tot Ion: 50 Resp: 8466

Ion Ratio Lower Upper

50 100

52 37.1 26.3 39.5



#4

Vinyl Chloride

Concen: 5.669 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010448.D

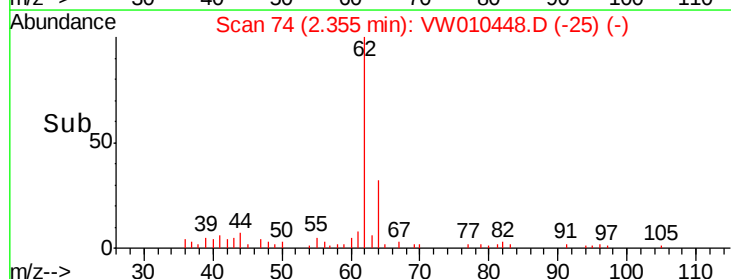
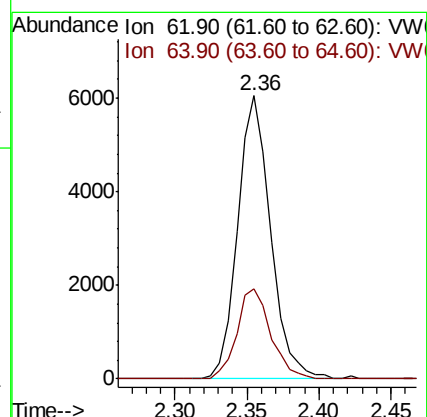
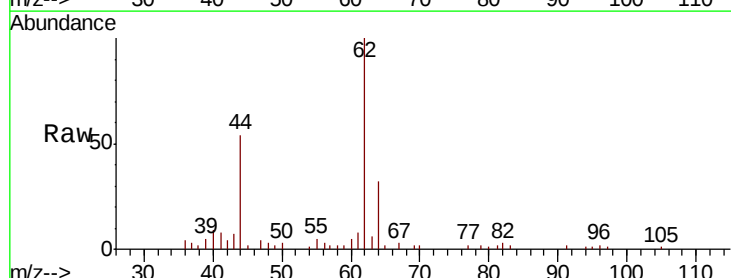
Acq: 20 May 2019 15:10

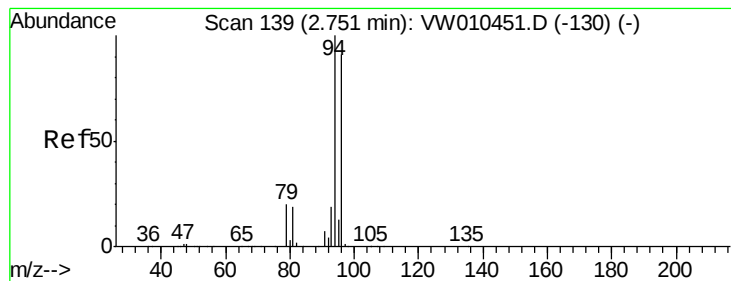
Tgt Ion: 62 Resp: 9615

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8





#5

Bromomethane

Concen: 6.749 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

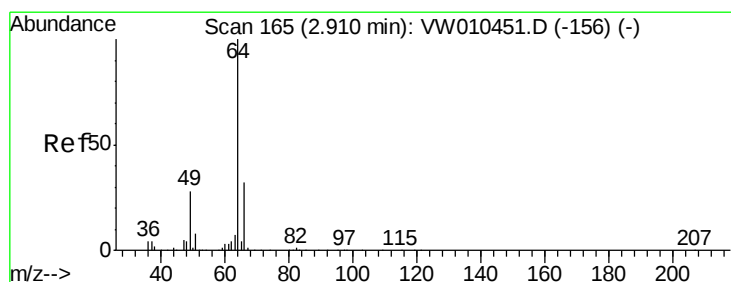
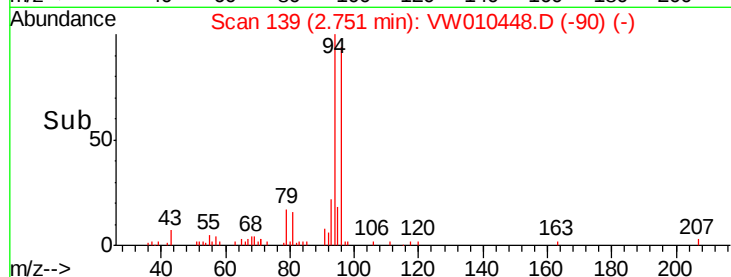
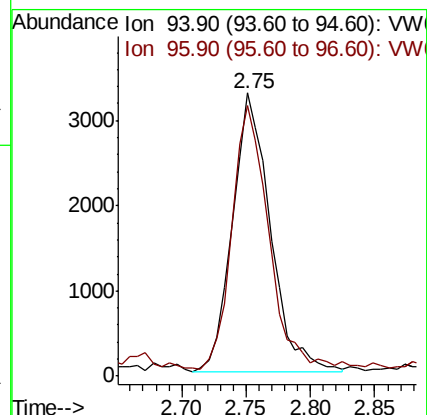
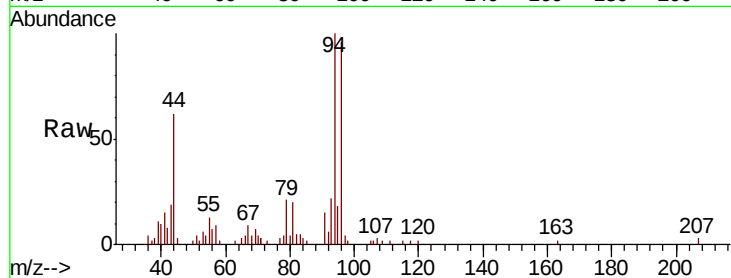
BFB

Tot Ion: 94 Resp: 6693

Ion Ratio Lower Upper

94 100

96 94.2 72.9 109.3



#6

Chloroethane

Concen: 5.599 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010448.D

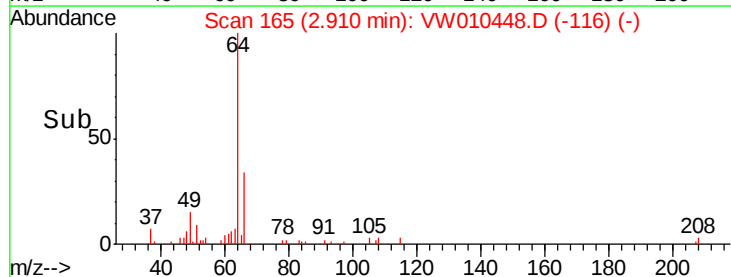
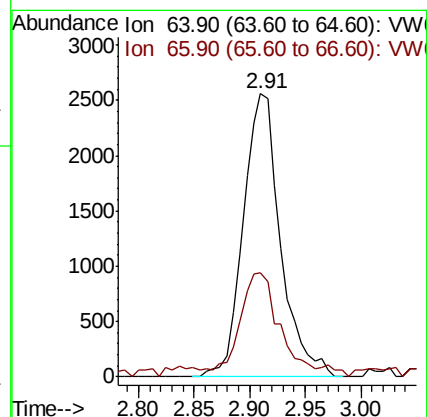
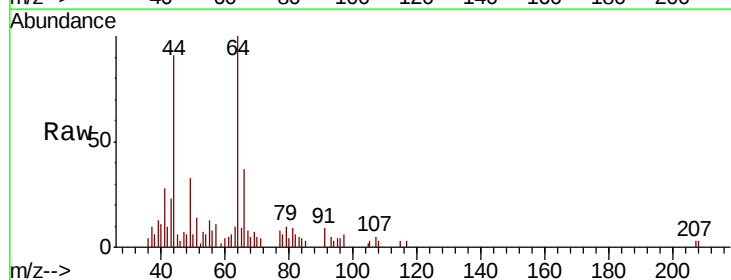
Acq: 20 May 2019 15:10

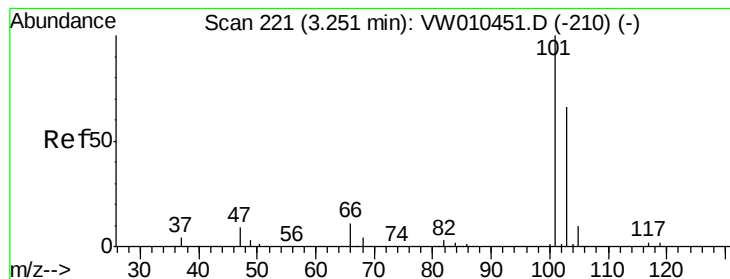
Tgt Ion: 64 Resp: 5943

Ion Ratio Lower Upper

64 100

66 34.2 25.5 38.3



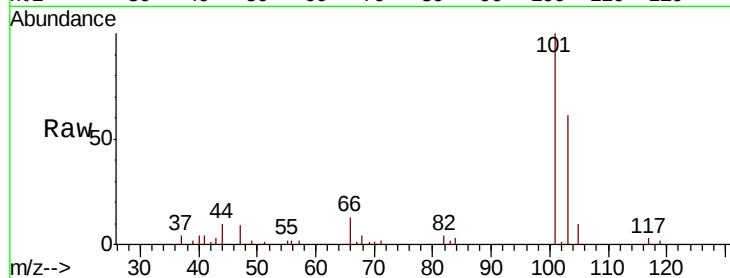


#7

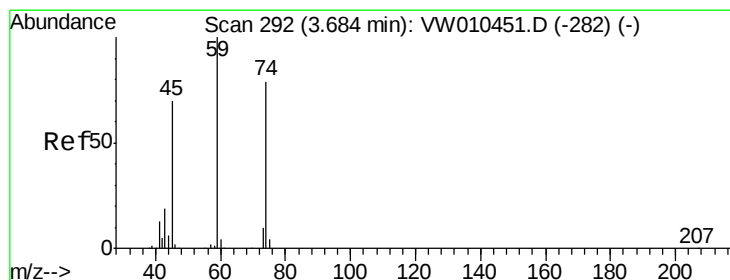
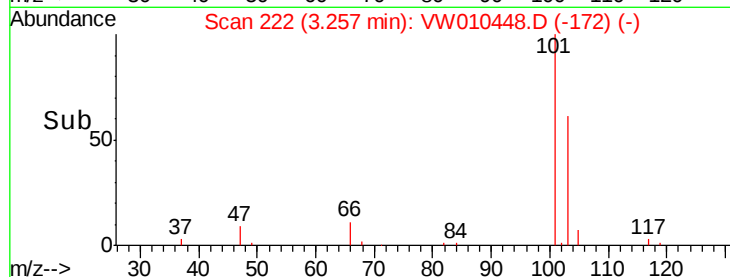
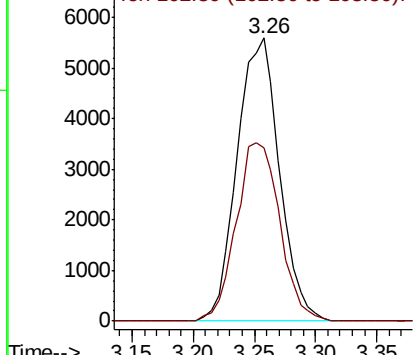
Trichlorofluoromethane
Concen: 5.693 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Instrument :
MSVOA_W
ClientSampled :
BFB

Tot Ion:101 Resp: 13433
Ion Ratio Lower Upper
101 100
103 61.1 53.0 79.4



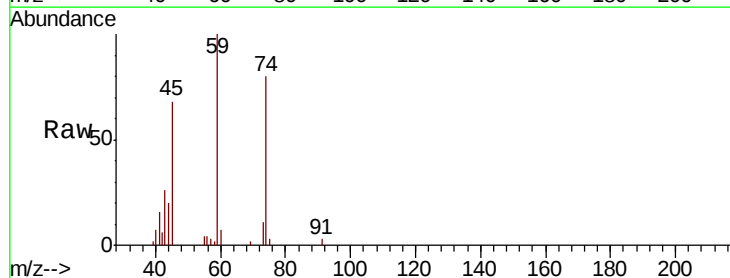
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



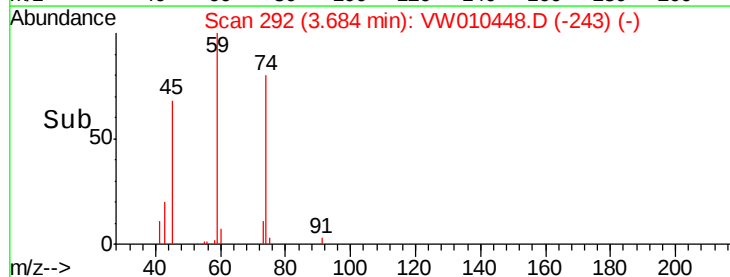
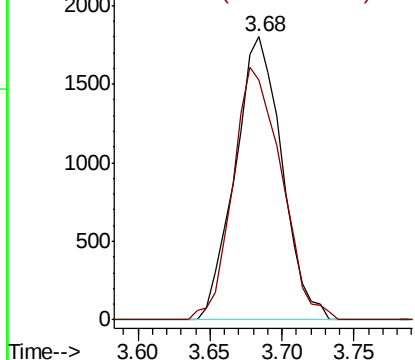
#8

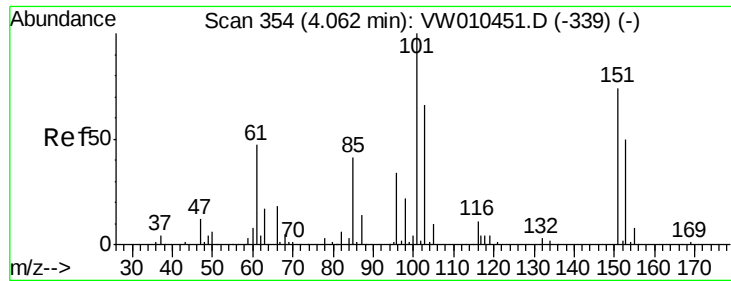
Diethyl Ether
Concen: 4.928 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion: 74 Resp: 4061
Ion Ratio Lower Upper
74 100
45 93.1 42.9 128.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.421 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

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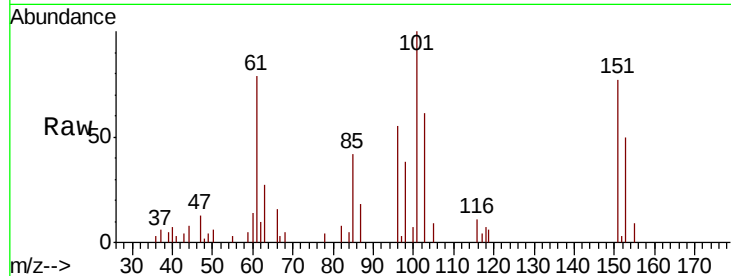
Tot Ion:101 Resp: 8091

Ion Ratio Lower Upper

101 100

85 46.2 34.3 51.5

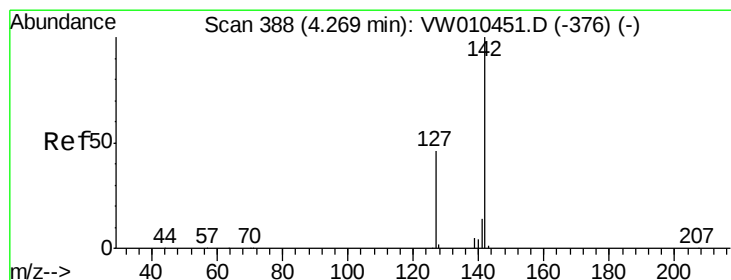
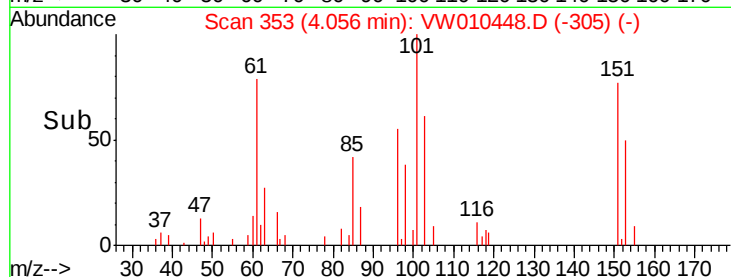
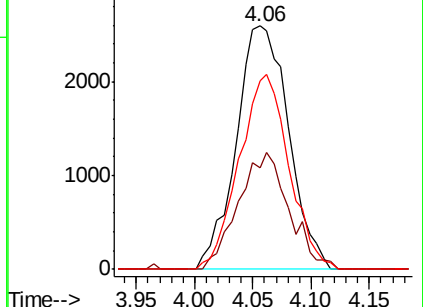
151 76.1 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.044 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

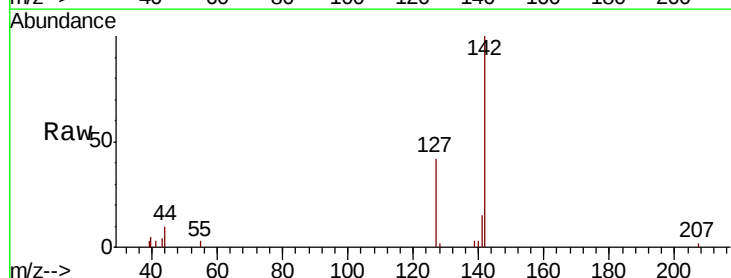
Tgt Ion:142 Resp: 8527

Ion Ratio Lower Upper

142 100

127 45.0 36.1 54.1

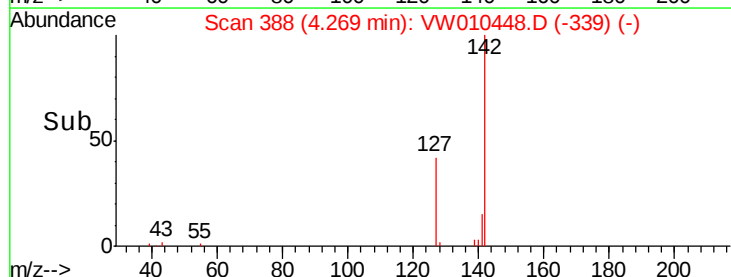
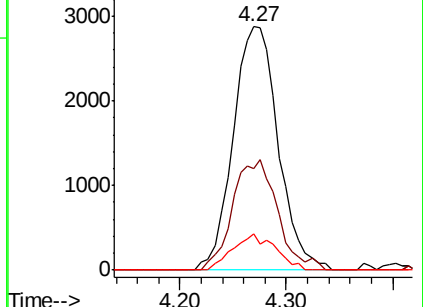
141 14.0 11.3 16.9

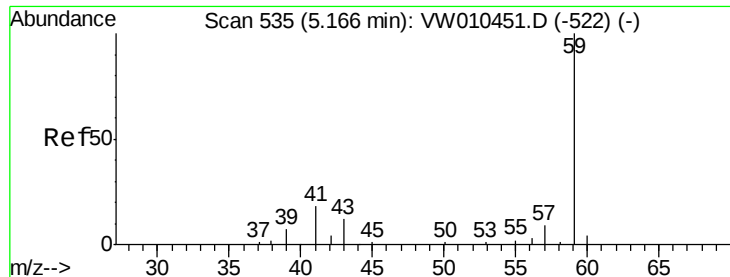


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 25.869 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampled :

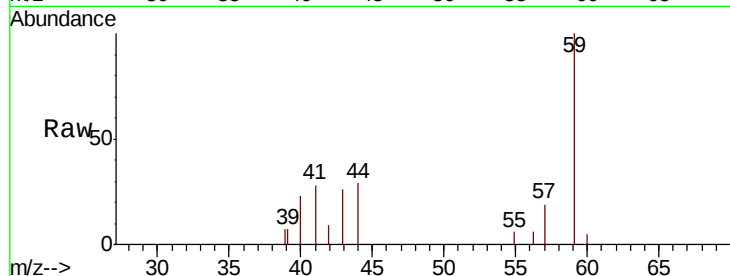
BFB

Tot Ion: 59 Resp: 3504

Ion Ratio Lower Upper

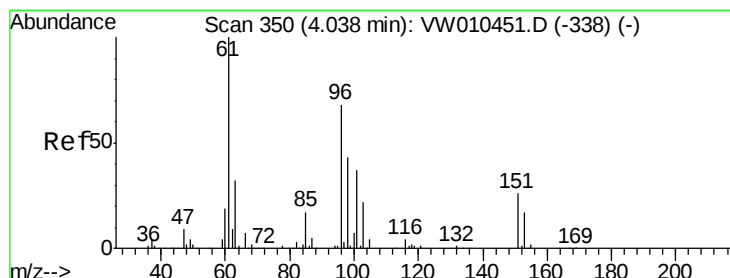
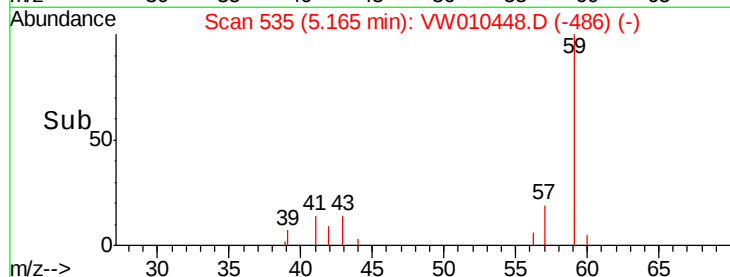
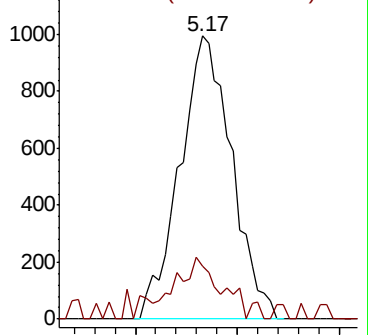
59 100

57 8.6 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 5.468 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

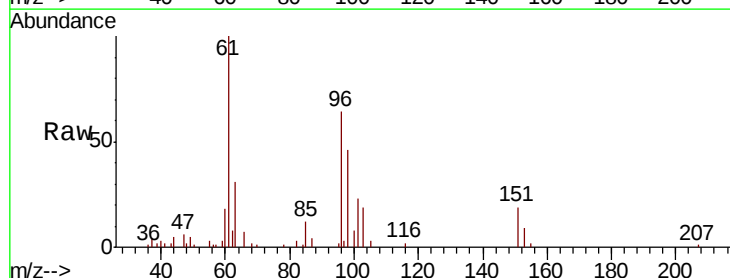
Tgt Ion: 96 Resp: 7737

Ion Ratio Lower Upper

96 100

61 157.2 118.3 177.5

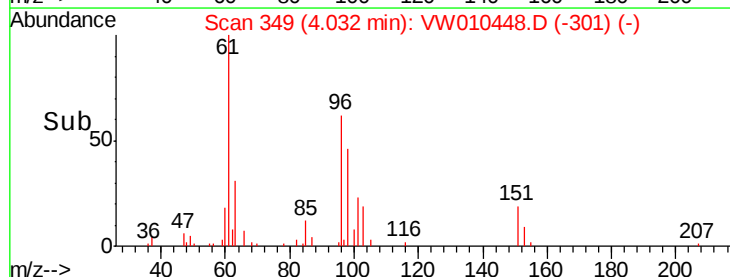
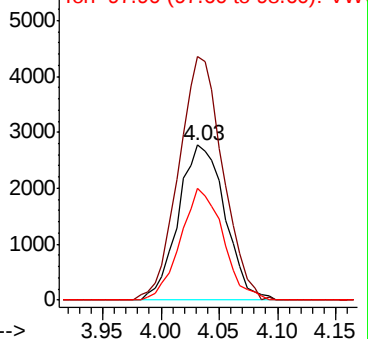
98 72.5 51.0 76.6

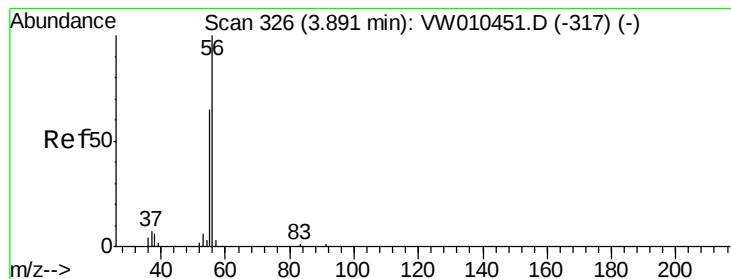


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 29.606 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampled :

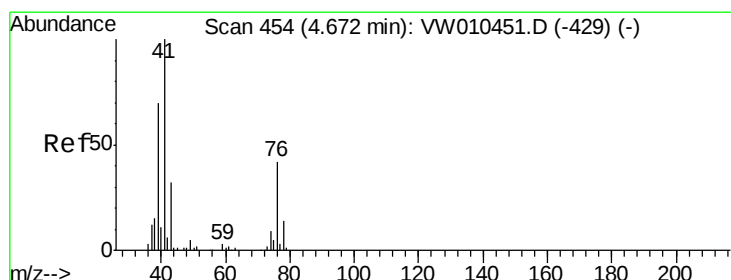
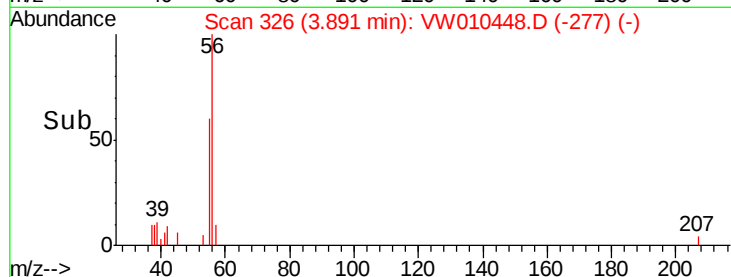
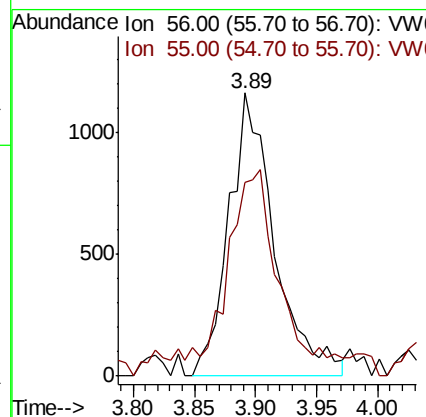
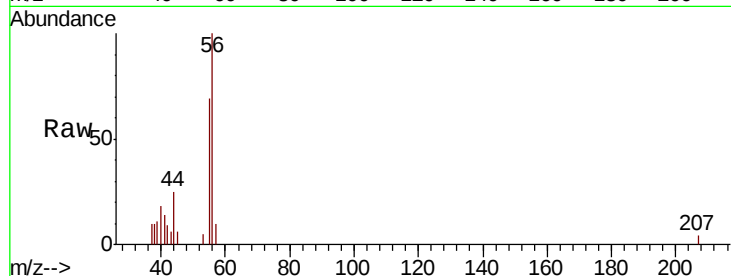
BFB

Tot Ion: 56 Resp: 3002

Ion Ratio Lower Upper

56 100

55 64.3 57.9 86.9



#14

Allyl chloride

Concen: 5.040 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

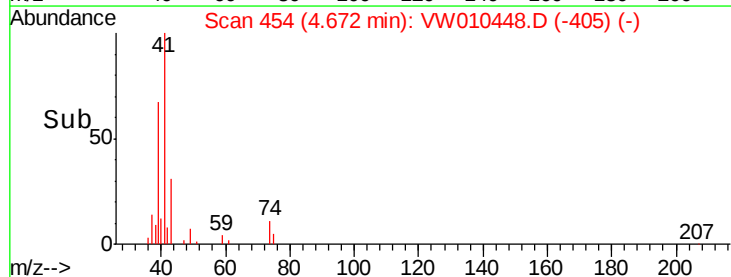
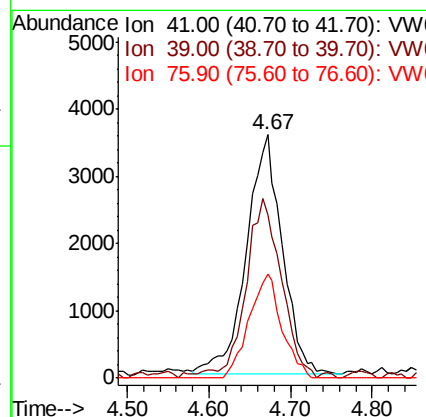
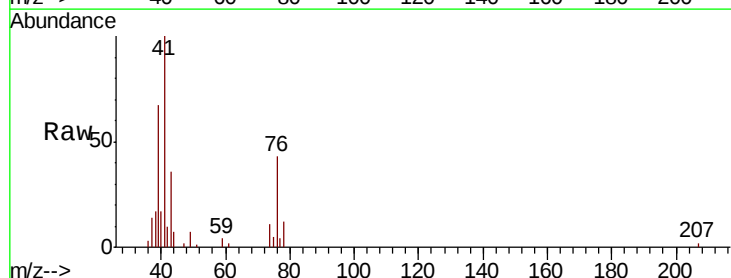
Tgt Ion: 41 Resp: 10920

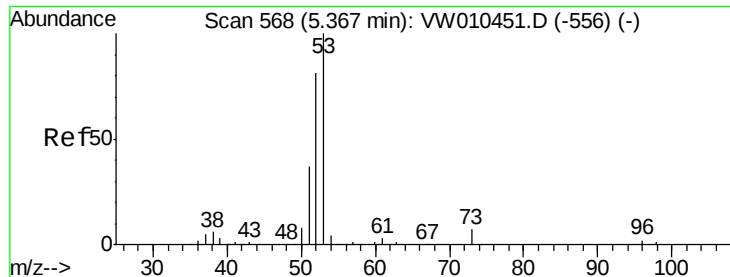
Ion Ratio Lower Upper

41 100

39 73.8 55.0 82.4

76 39.3 32.8 49.2





#15

Acrylonitrile

Concen: 25.046 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampled :

BFB

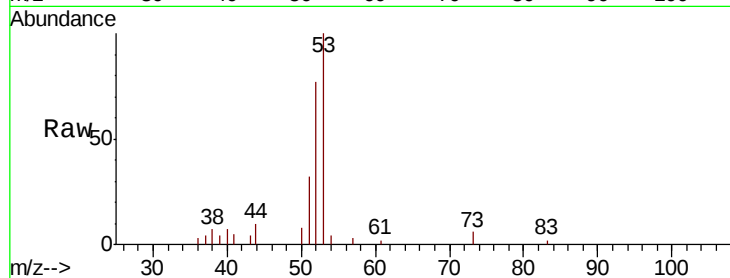
Tot Ion: 53 Resp: 8720

Ion Ratio Lower Upper

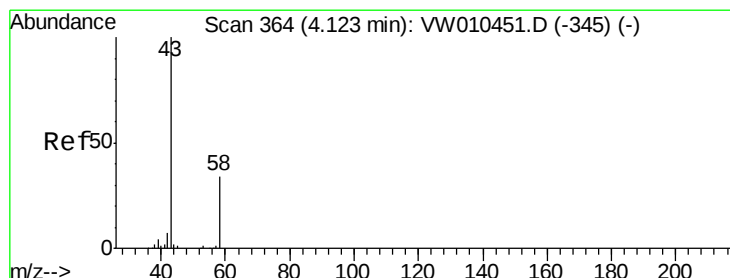
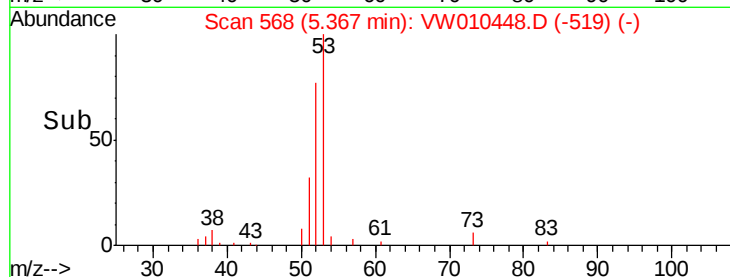
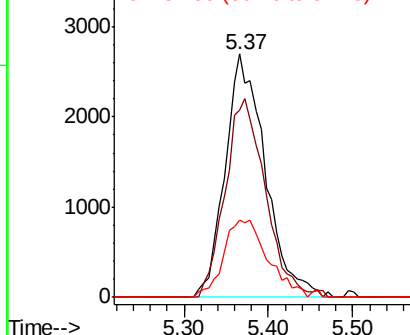
53 100

52 82.4 65.6 98.4

51 35.0 29.5 44.3



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: 29.936 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010448.D

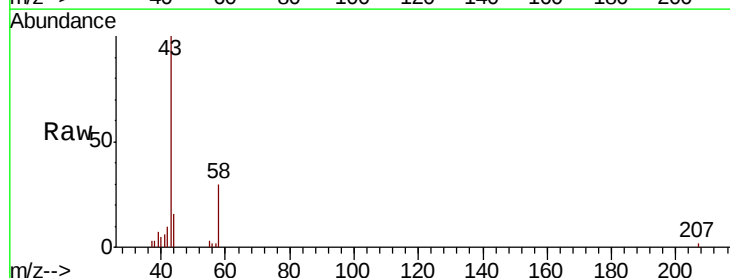
Acq: 20 May 2019 15:10

Tgt Ion: 43 Resp: 8274

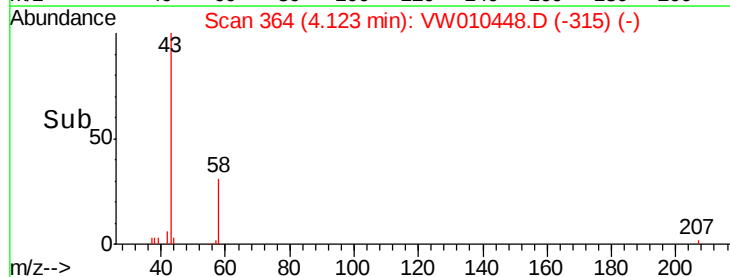
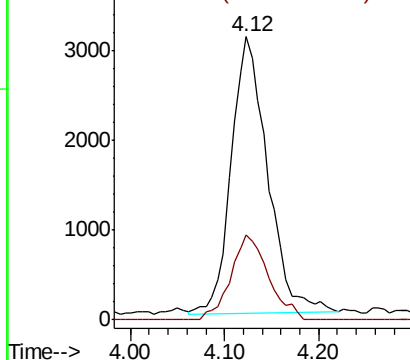
Ion Ratio Lower Upper

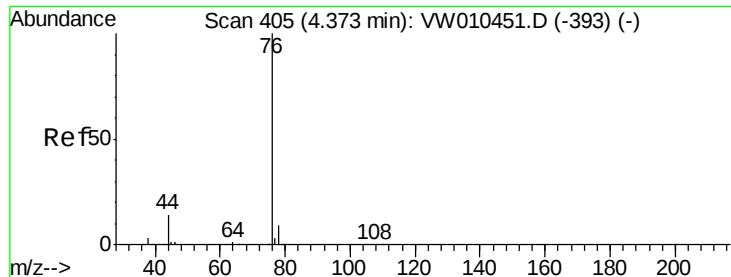
43 100

58 30.7 27.0 40.4



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

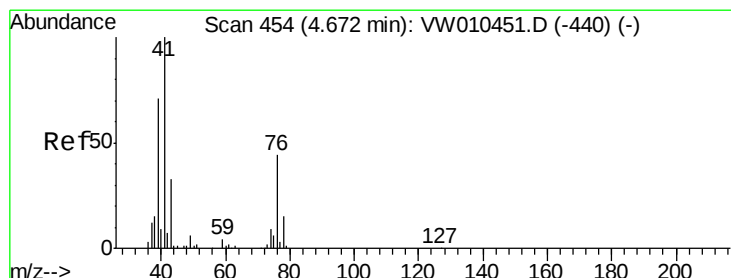
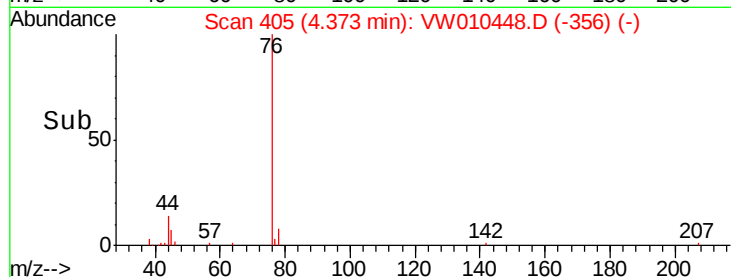
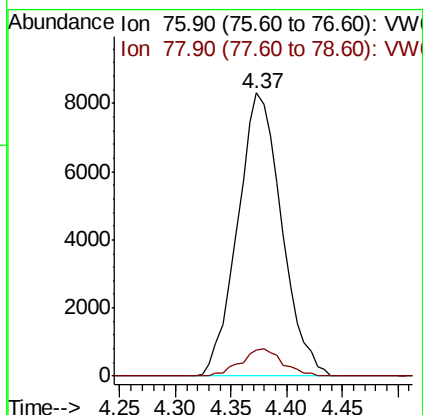
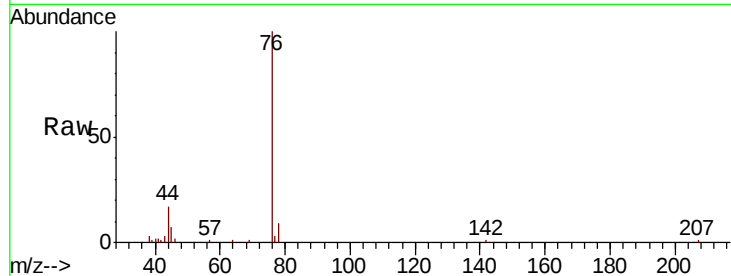




#17
Carbon Disulfide
Concen: 5.571 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

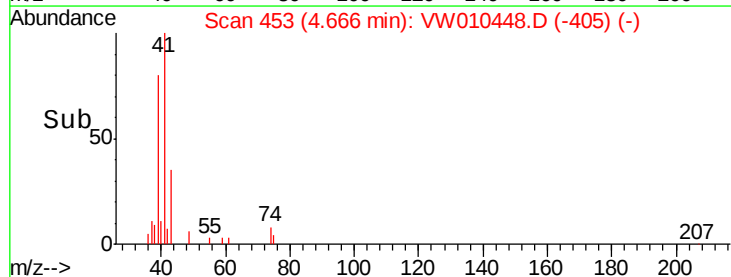
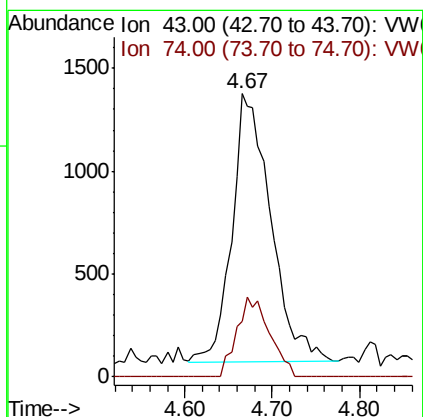
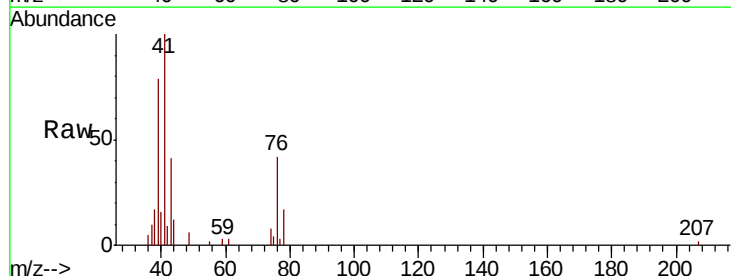
Instrument :
MSVOA_W
ClientSampleId :
BFB

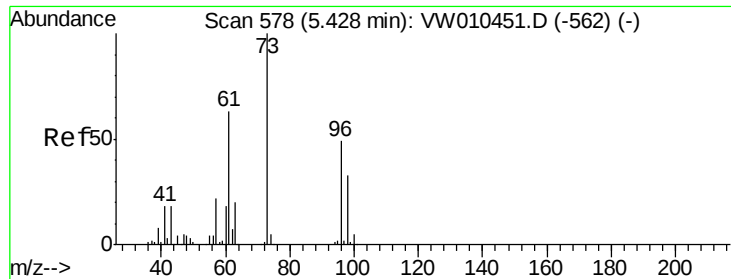
Tot Ion: 76 Resp: 22860
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 4.867 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion: 43 Resp: 4013
Ion Ratio Lower Upper
43 100
74 25.2 21.6 32.4

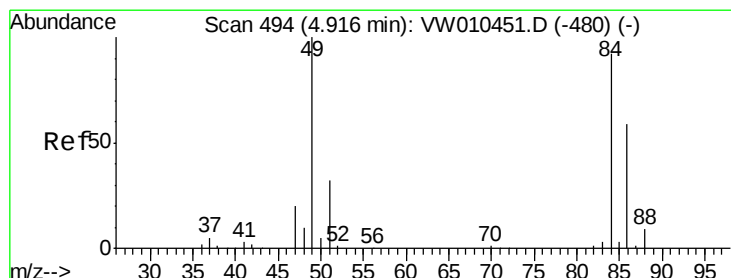
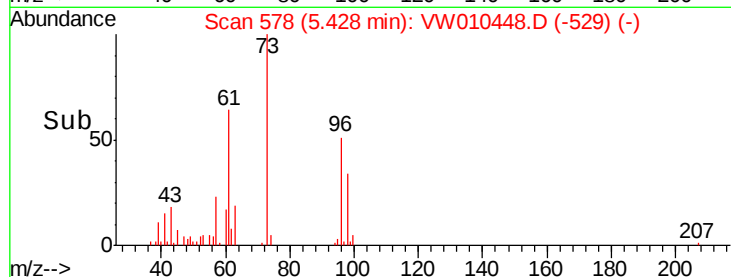
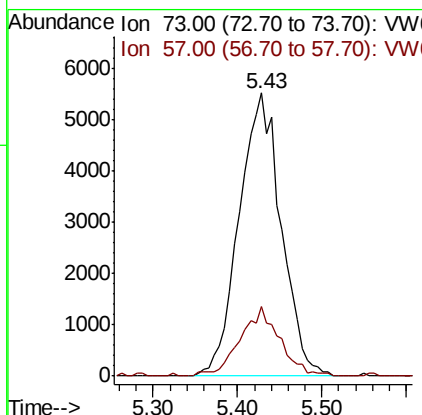
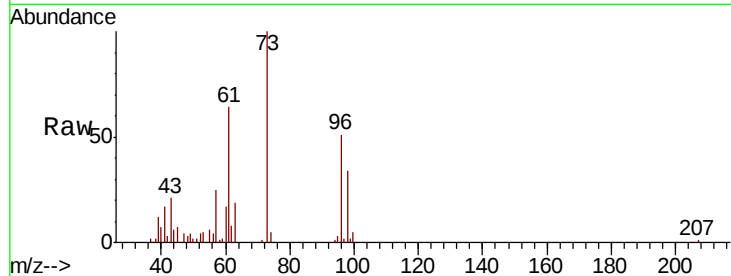




#19
Methvl tert-butvl Ether
Concen: 4.746 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

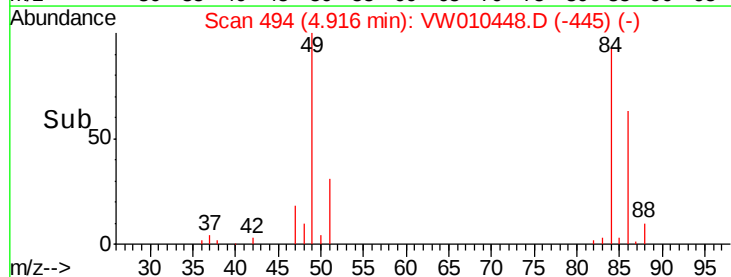
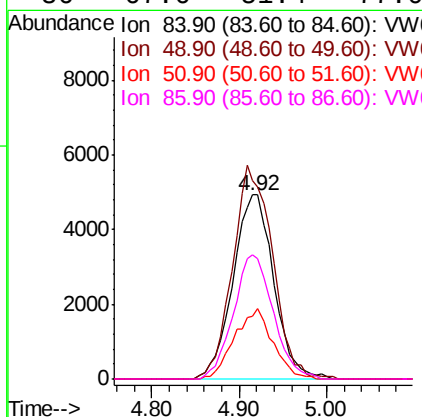
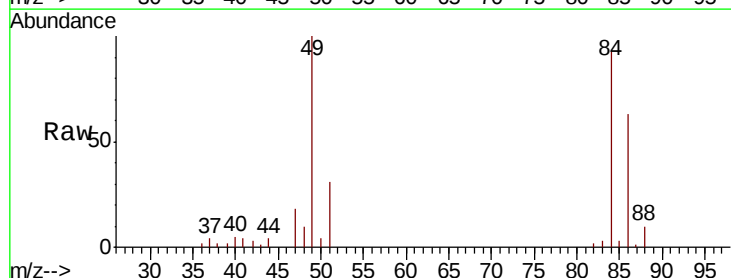
Instrument :
MSVOA_W
ClientSampled :
BFB

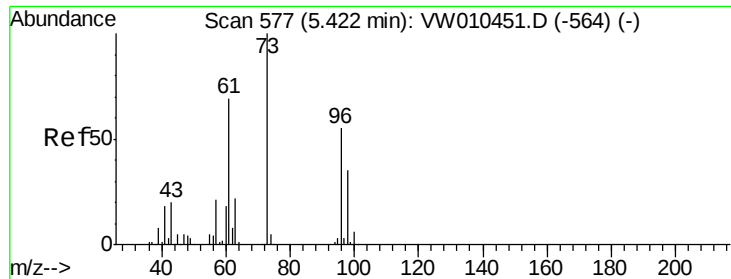
Tot Ion: 73 Resp: 18801
Ion Ratio Lower Upper
73 100
57 24.5 17.4 26.0



#20
Methylene Chloride
Concen: 9.573 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion: 84 Resp: 15988
Ion Ratio Lower Upper
84 100
49 107.7 87.2 130.8
51 33.8 27.7 41.5
86 67.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 5.394 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

BFB

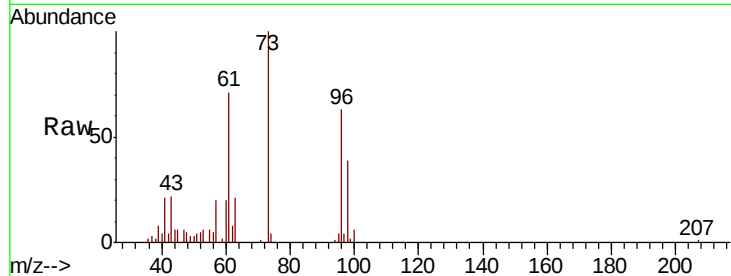
Tot Ion: 96 Resp: 8874

Ion Ratio Lower Upper

96 100

61 111.9 101.4 152.0

98 61.6 50.6 76.0

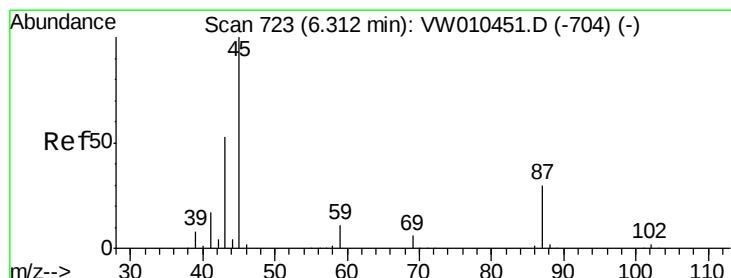
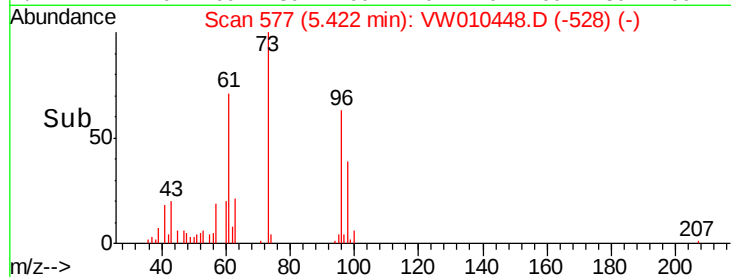
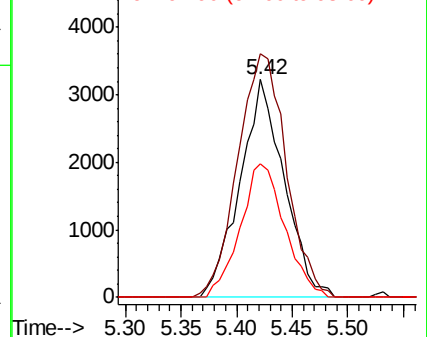


Abundance

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: 4.685 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Tgt Ion: 45 Resp: 21478

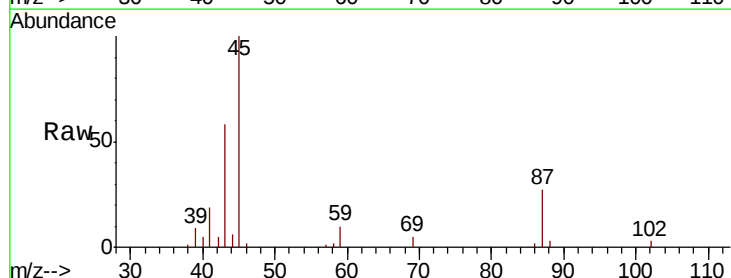
Ion Ratio Lower Upper

45 100

43 55.6 42.9 64.3

87 27.1 24.6 36.8

59 9.6 9.4 14.0



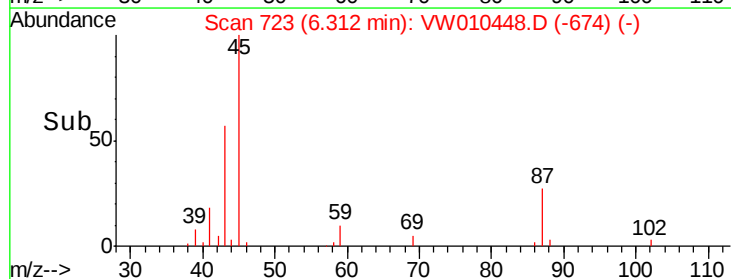
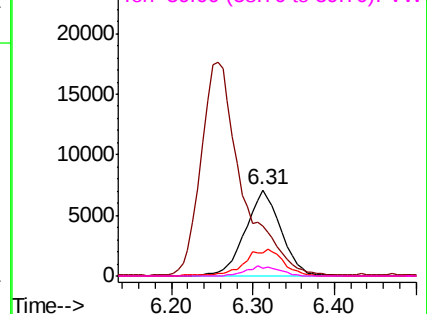
Abundance

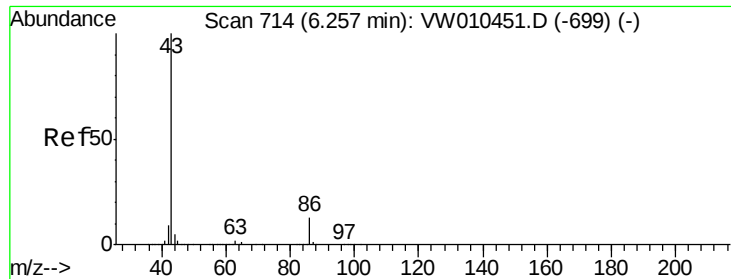
Ion 45.00 (44.70 to 45.70): VW

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

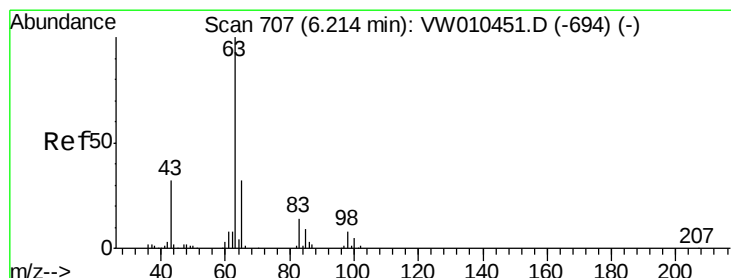
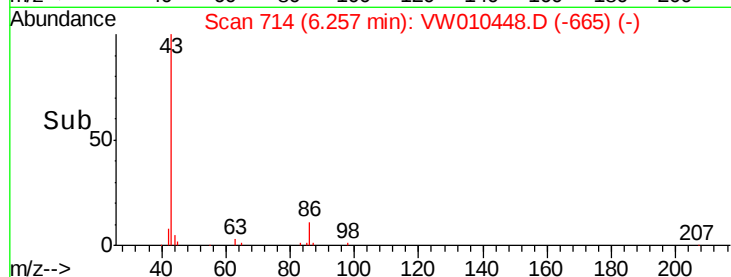
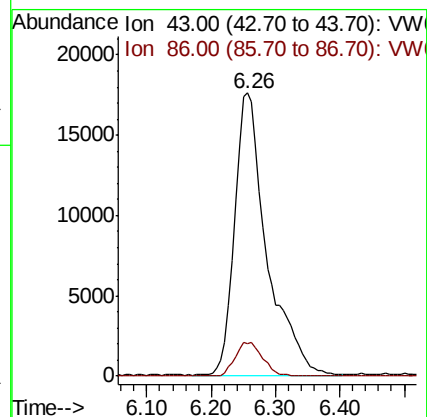
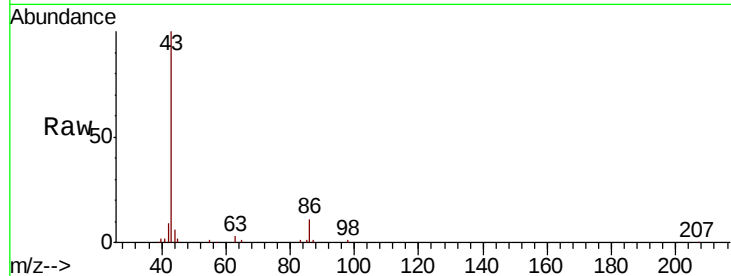




#23
 Vinyl Acetate
 Concen: 21.915 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

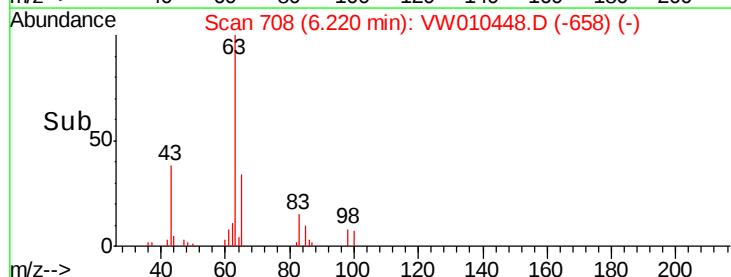
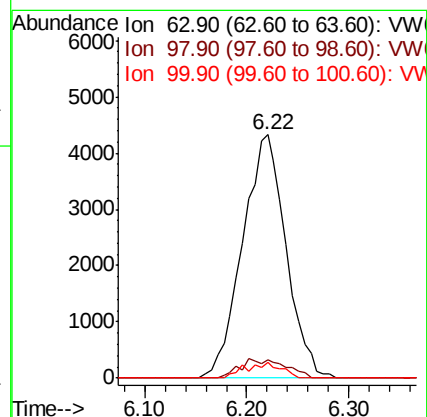
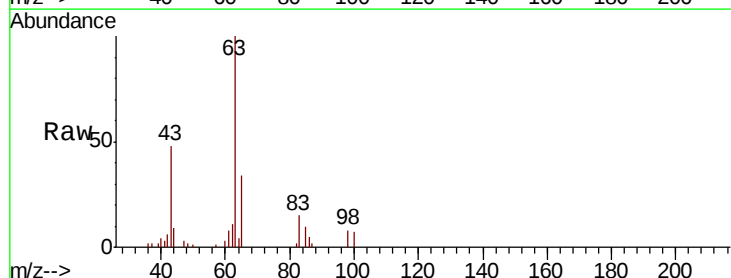
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

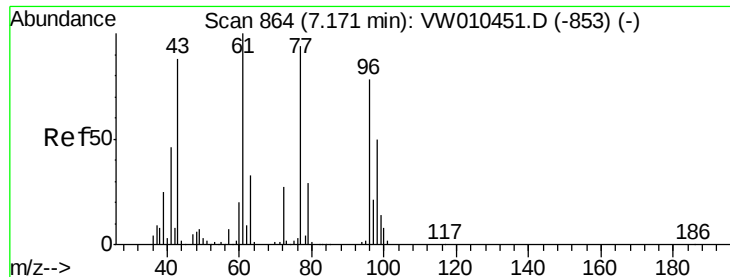
Tot Ion: 43 Resp: 62115
 Ion Ratio Lower Upper
 43 100
 86 11.3 10.3 15.5



#24
 1,1-Dichloroethane
 Concen: 4.776 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

Tgt Ion: 63 Resp: 12791
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.8 11.2
 100 6.6 2.5 7.4





#25

2-Butanone

Concen: 23.900 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampled :

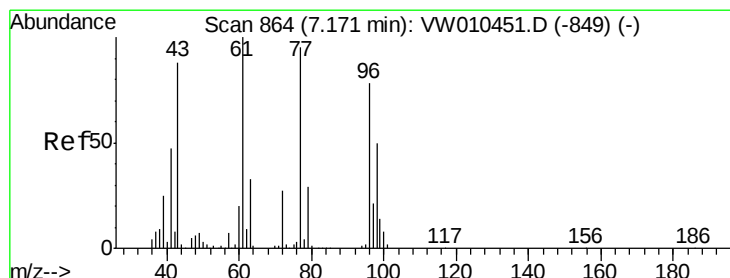
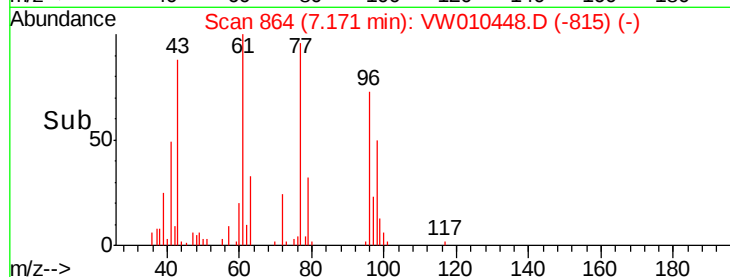
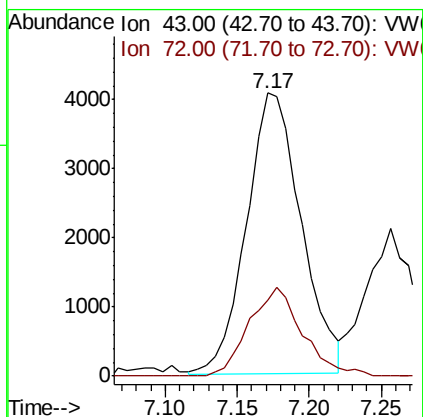
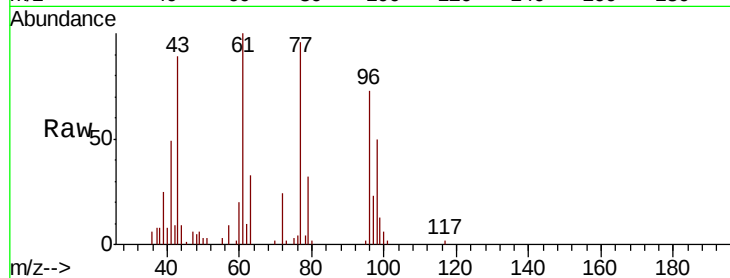
BFB

Tot Ion: 43 Resp: 10764

Ion Ratio Lower Upper

43 100

72 27.5 24.1 36.1



#26

2,2-Dichloropropane

Concen: 5.421 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010448.D

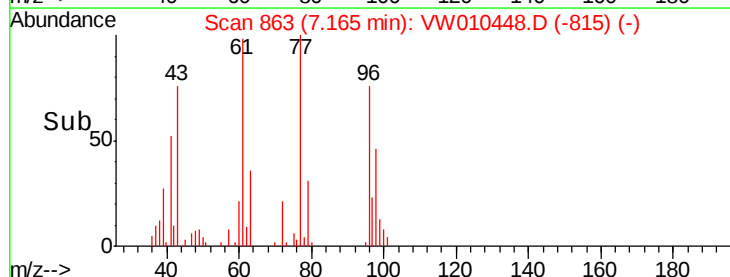
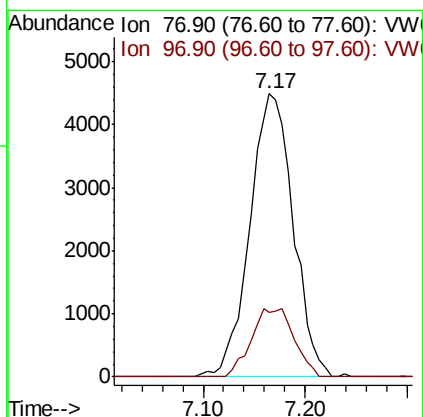
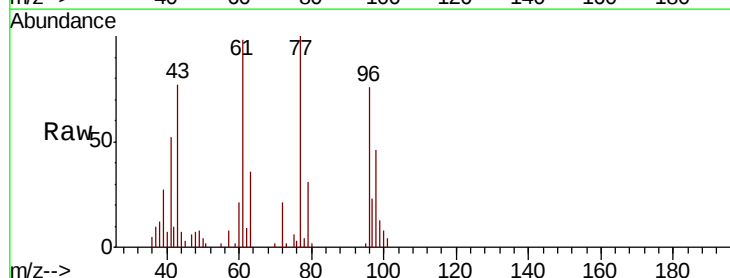
Acq: 20 May 2019 15:10

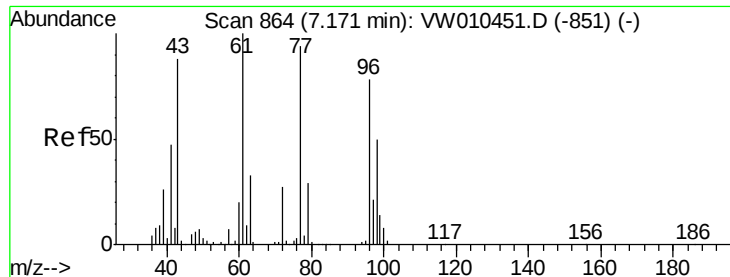
Tgt Ion: 77 Resp: 13223

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.0



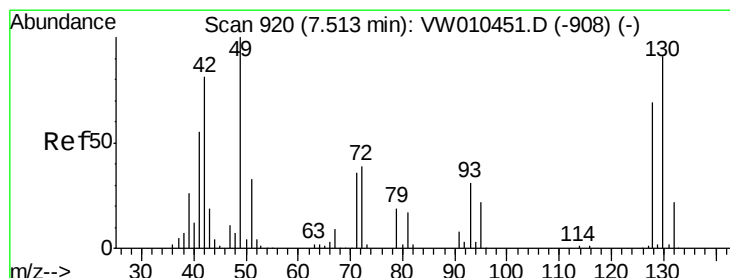
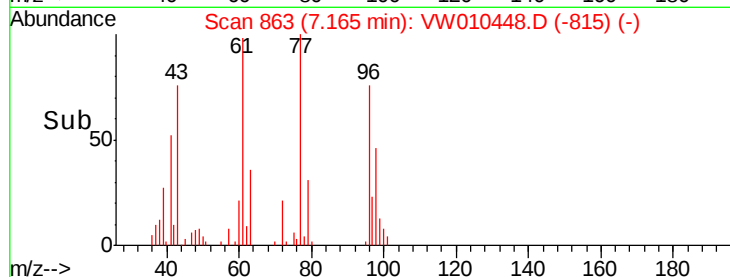
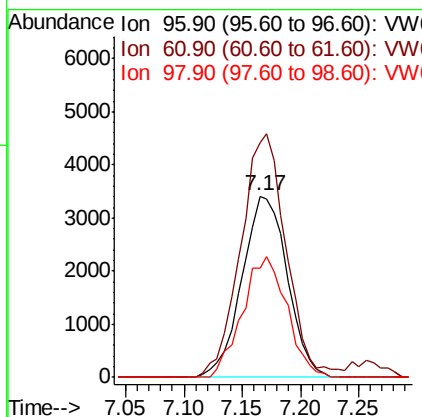
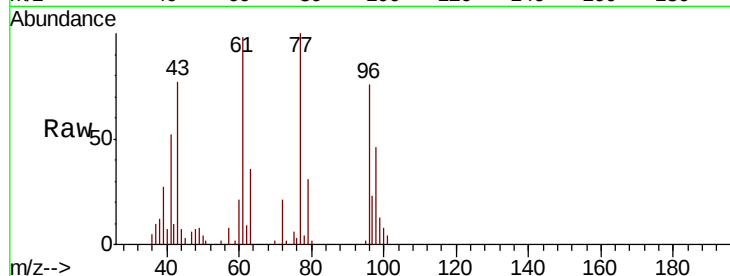


#27

cis-1,2-Dichloroethene
 Concen: 5.030 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

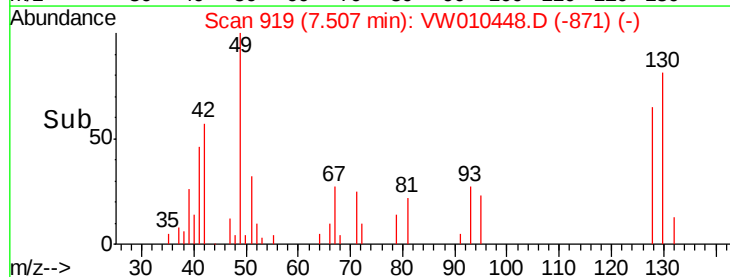
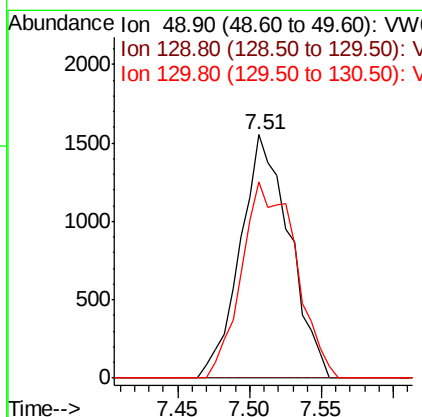
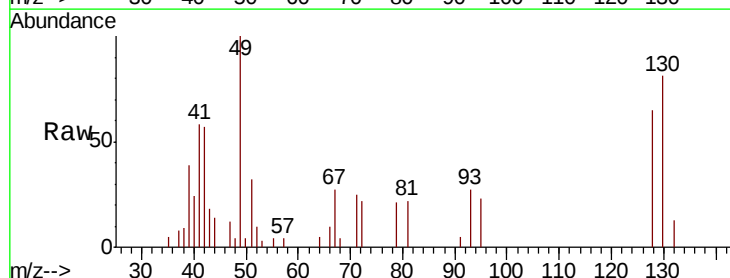
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.5	0.0	265.4
98	65.2	0.0	129.4

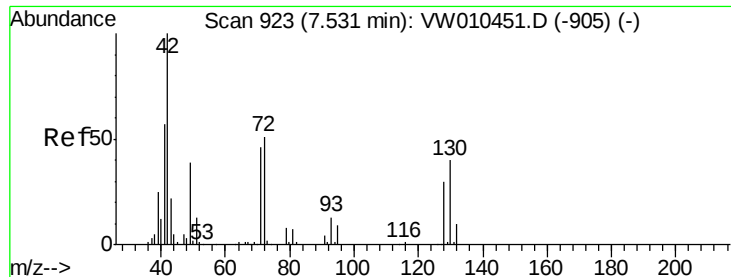


#28

Bromochloromethane
 Concen: 3.745 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	88.3	71.2	106.8

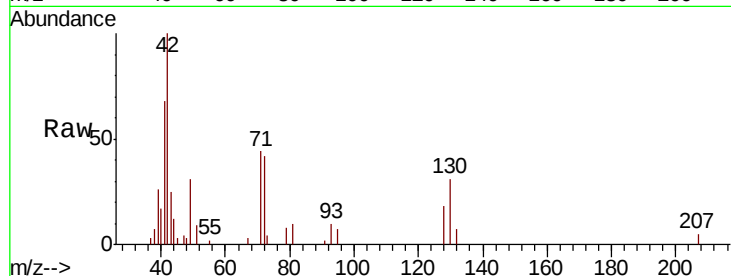




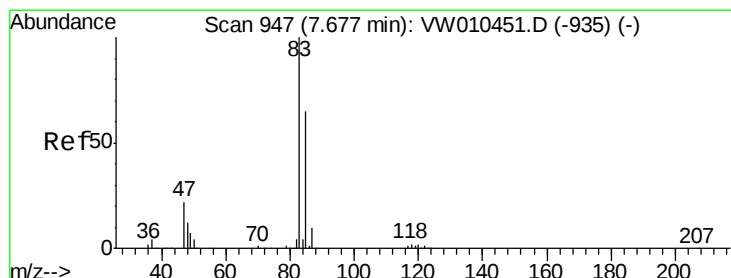
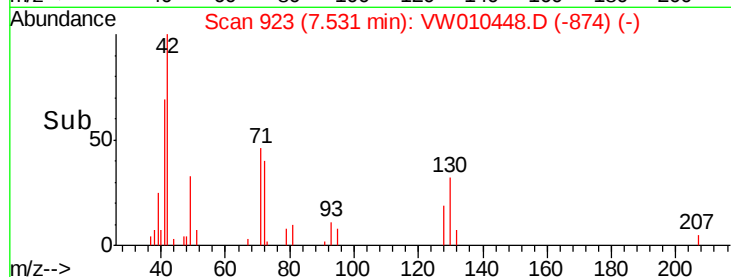
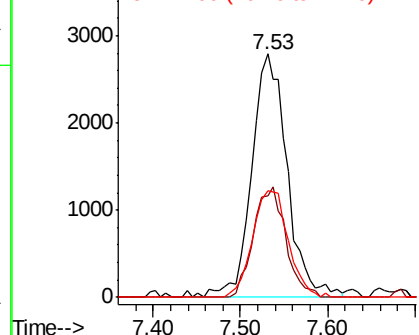
#29
Tetrahydrofuran
Concen: 25.775 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Instrument :
MSVOA_W
ClientSampled :
BFB

Tot Ion: 42 Resp: 7855
Ion Ratio Lower Upper
42 100
72 41.3 38.5 57.7
71 44.2 36.5 54.7

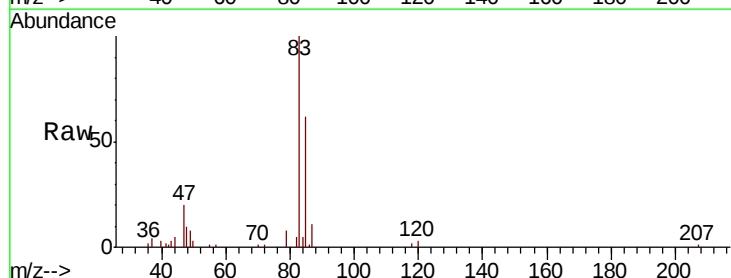


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

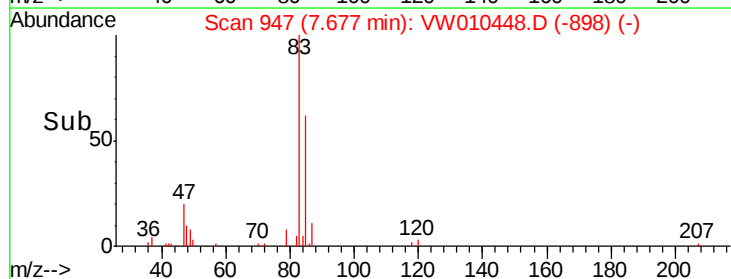
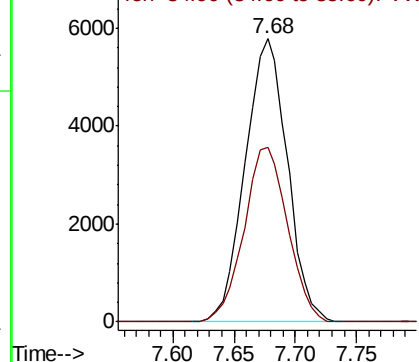


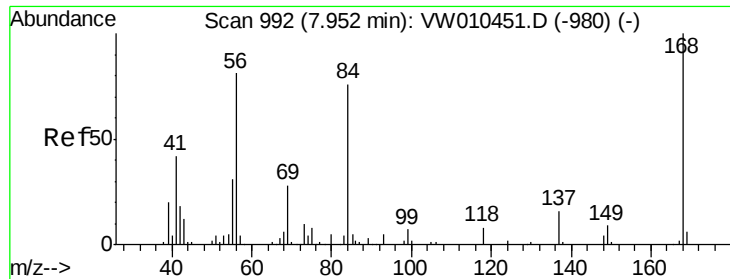
#30
Chloroform
Concen: 4.925 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion: 83 Resp: 13885
Ion Ratio Lower Upper
83 100
85 61.7 52.2 78.4



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

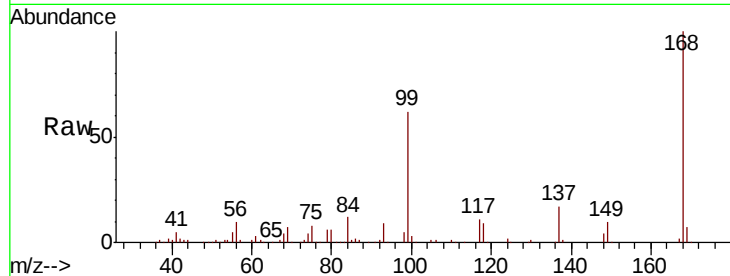




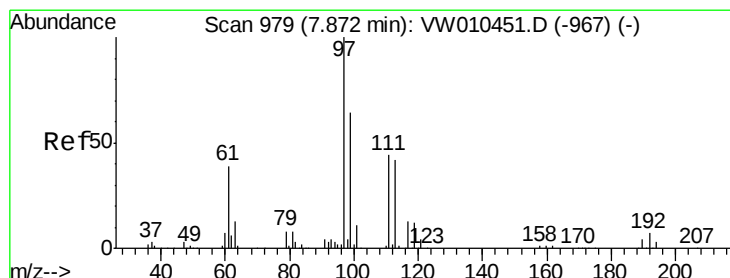
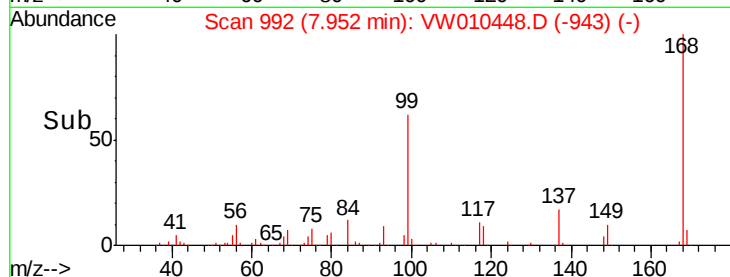
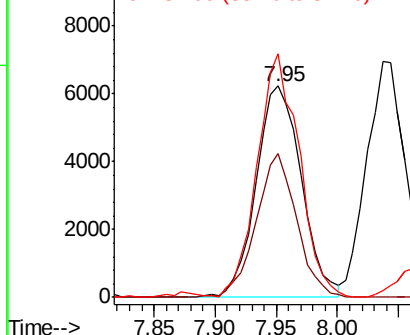
#31
Cyclohexane
Concen: 5.937 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Instrument :
MSVOA_W
ClientSampled :
BFB

Tot Ion: 56 Resp: 16059
Ion Ratio Lower Upper
56 100
69 67.9 28.2 42.2#
84 113.4 75.8 113.8

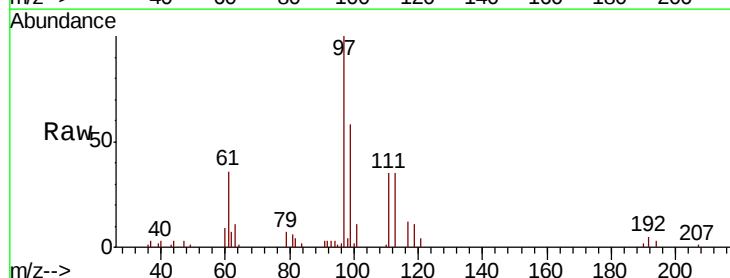


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

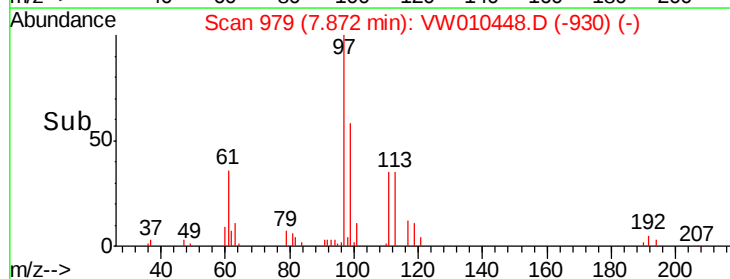
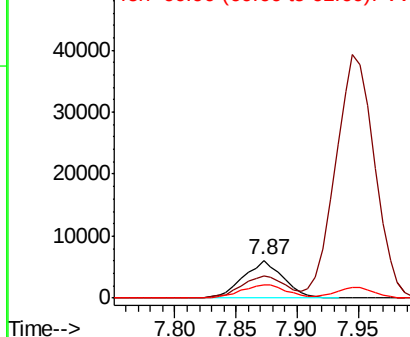


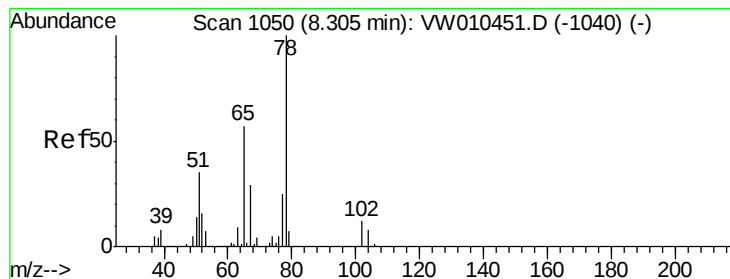
#32
1,1,1-Trichloroethane
Concen: 5.172 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion: 97 Resp: 13776
Ion Ratio Lower Upper
97 100
99 64.4 50.8 76.2
61 40.0 32.1 48.1



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 4.518 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

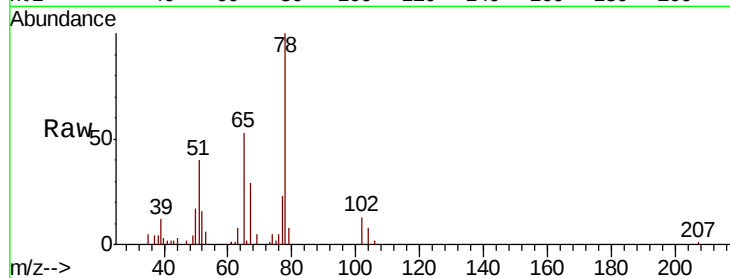
BFB

Tot Ion: 65 Resp: 6777

Ion Ratio Lower Upper

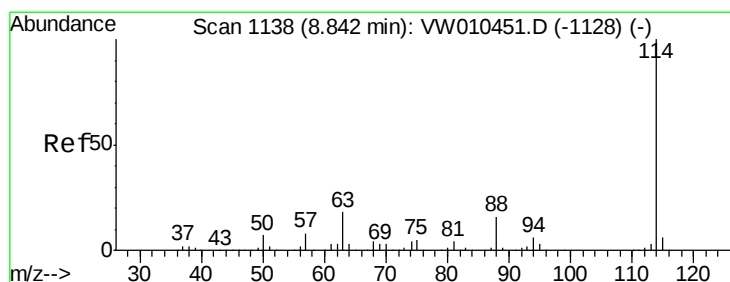
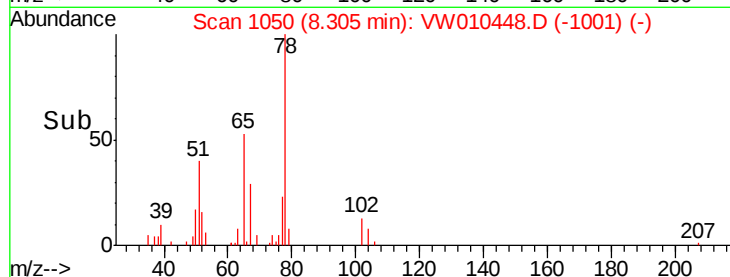
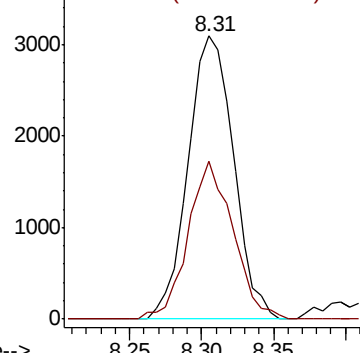
65 100

67 55.1 0.0 103.6



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: VW010448.D

Acq: 20 May 2019 15:10

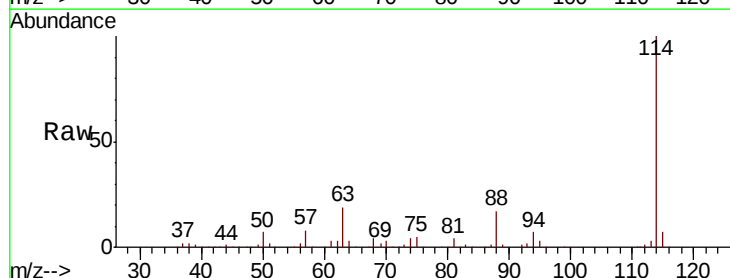
Tgt Ion: 114 Resp: 239732

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.0

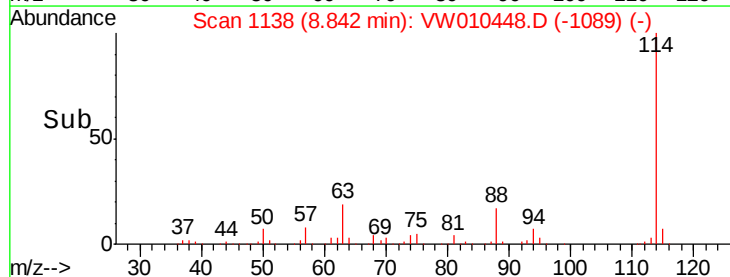
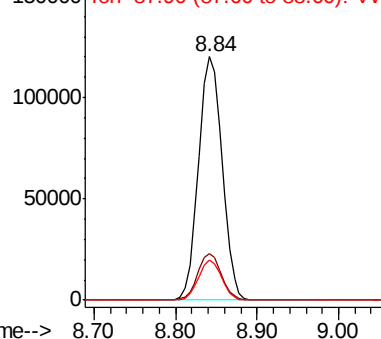
88 16.5 0.0 32.0

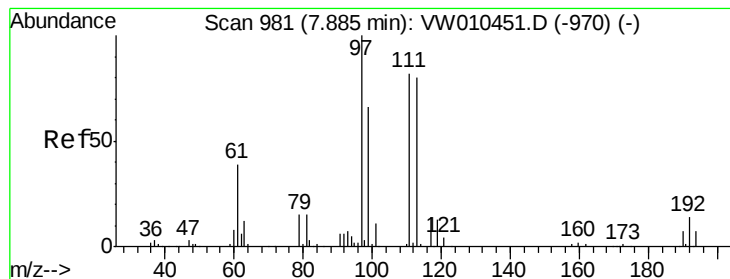


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 4.612 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

BFB

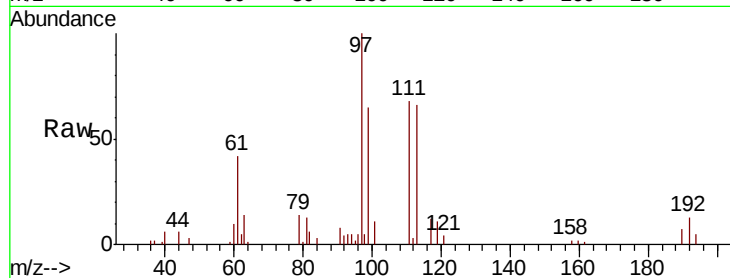
Tot Ion:113 Resp: 6778

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

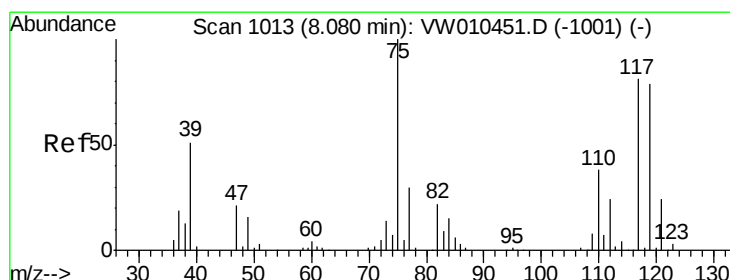
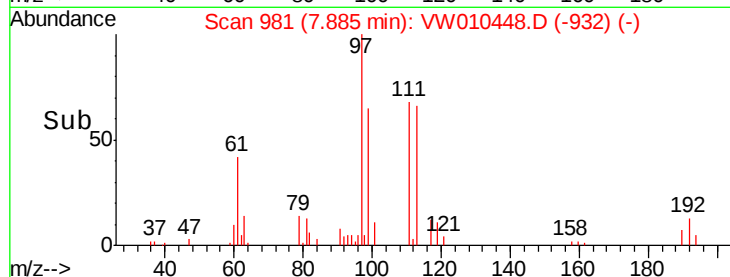
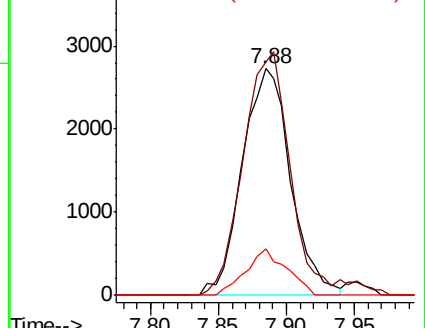
192 17.2 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.416 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

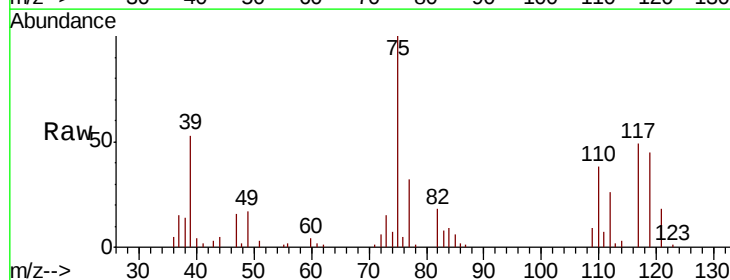
Tgt Ion: 75 Resp: 11693

Ion Ratio Lower Upper

75 100

110 37.5 19.2 57.6

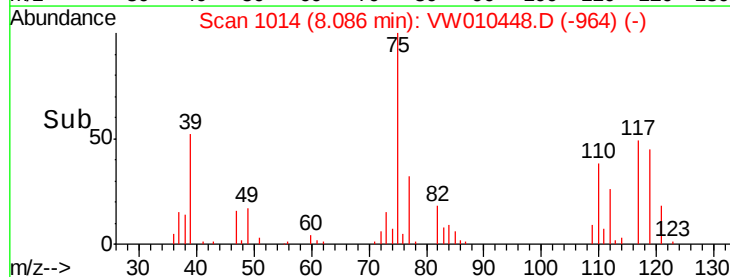
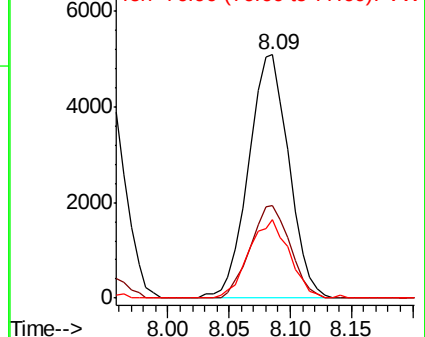
77 32.2 25.2 37.8

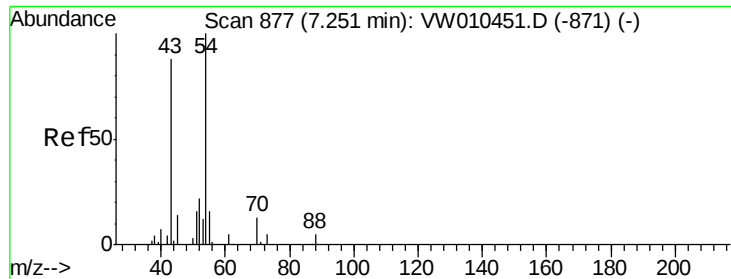


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

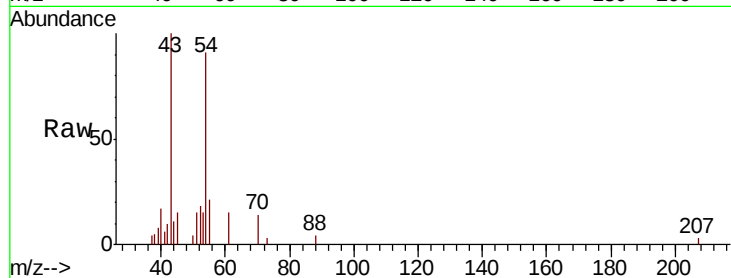




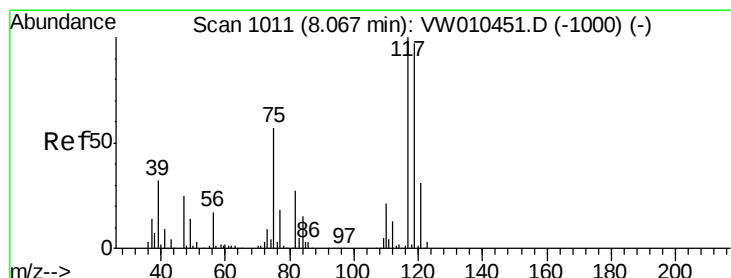
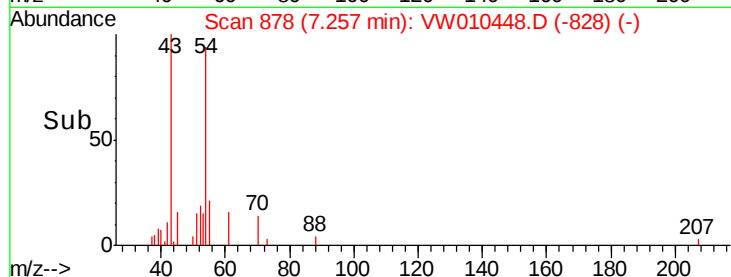
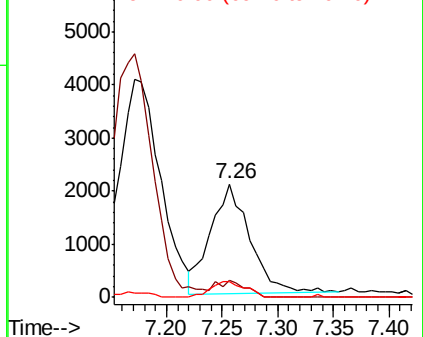
#37
Ethyl Acetate
Concen: 5.057 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tot Ion: 43 Resp: 5104
Ion Ratio Lower Upper
43 100
61 11.3 11.2 16.8
70 12.7 9.9 14.9

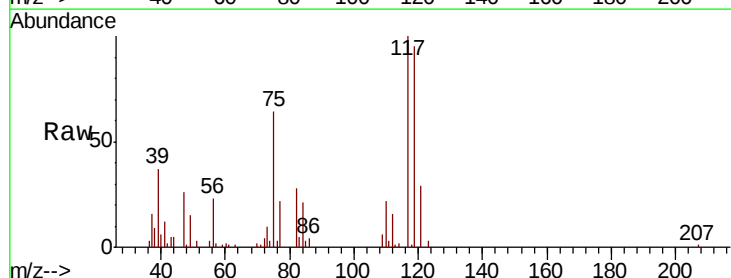


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

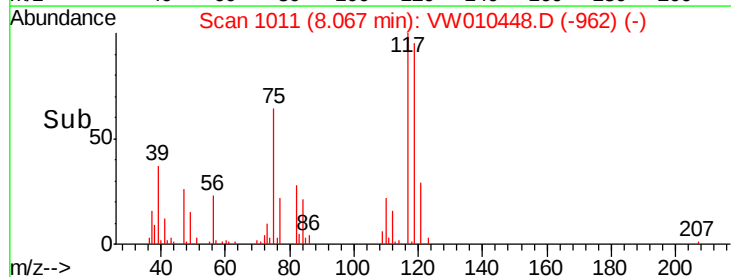
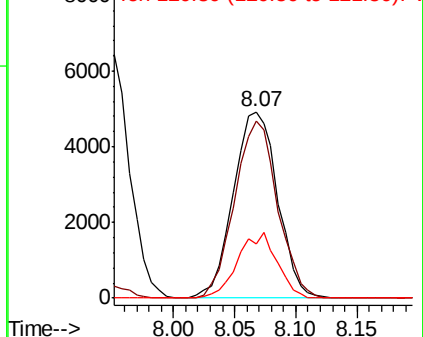


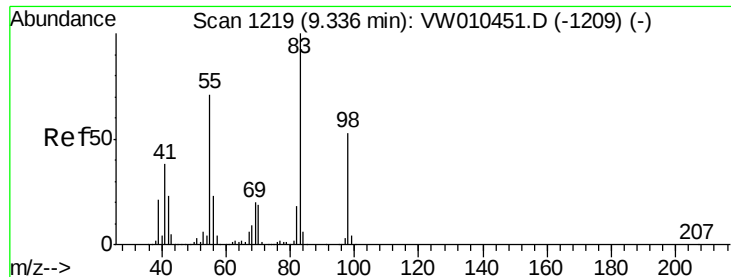
#38
Carbon Tetrachloride
Concen: 5.291 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion: 117 Resp: 12330
Ion Ratio Lower Upper
117 100
119 95.4 77.4 116.0
121 28.9 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

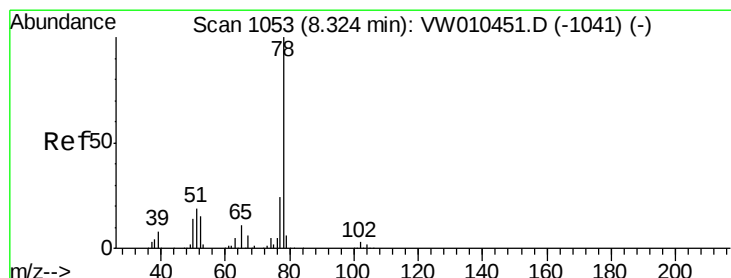
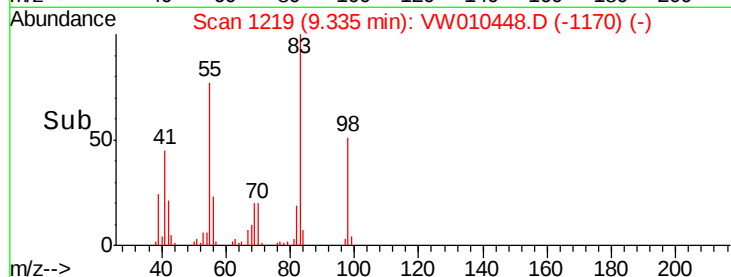
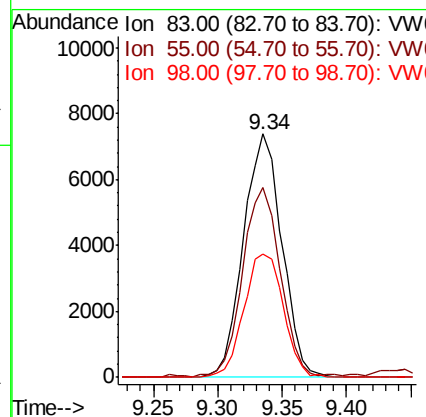
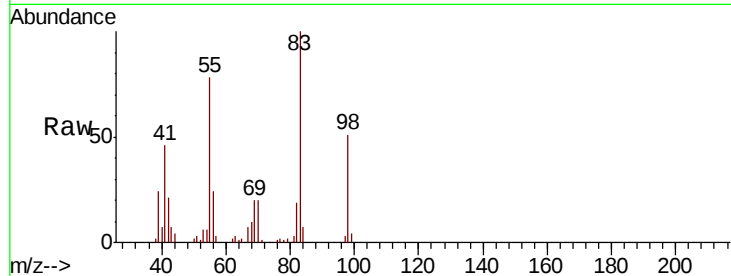




#39
Methvlcvclohexane
Concen: 5.281 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

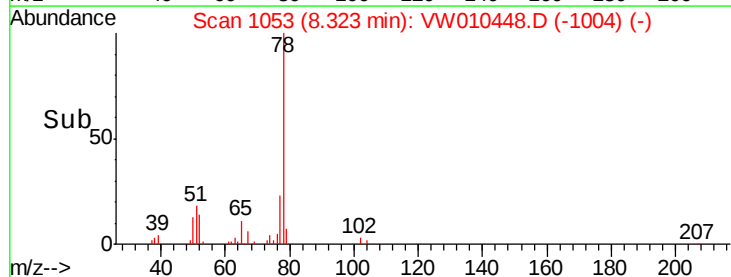
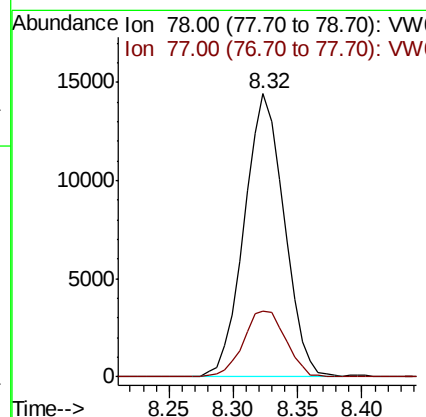
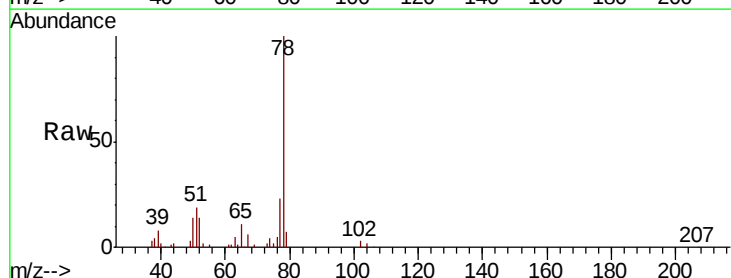
Instrument :
MSVOA_W
ClientSampled :
BFB

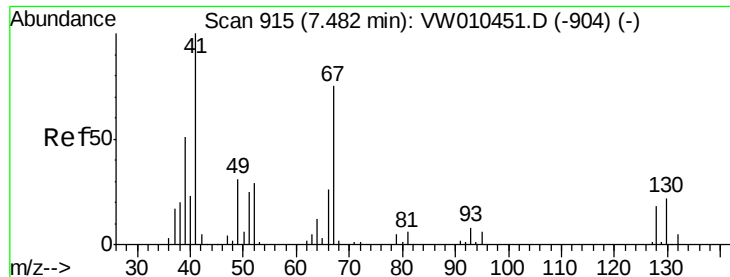
Tot Ion: 83 Resp: 15273
Ion Ratio Lower Upper
83 100
55 78.0 57.0 85.6
98 50.5 42.0 63.0



#40
Benzene
Concen: 5.044 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion: 78 Resp: 30985
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3





#41

Methacrylonitrile

Concen: 5.167 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

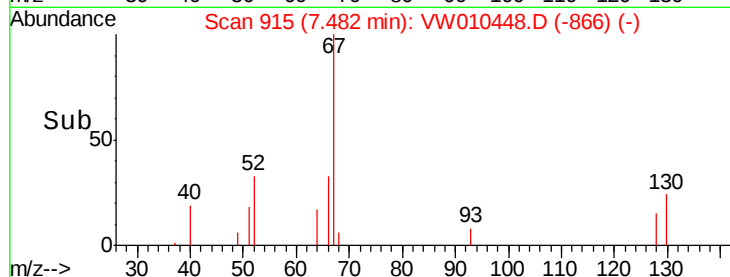
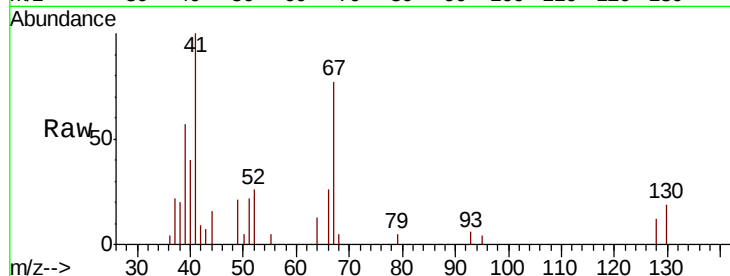
Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :
MSVOA_W
ClientSampled :
BFB

Tot Ion: 41 Resp: 3038

Ion	Ratio	Lower	Upper
41	100		
39	59.1	47.4	71.2
67	82.7	65.5	98.3
52	29.9	25.0	37.4



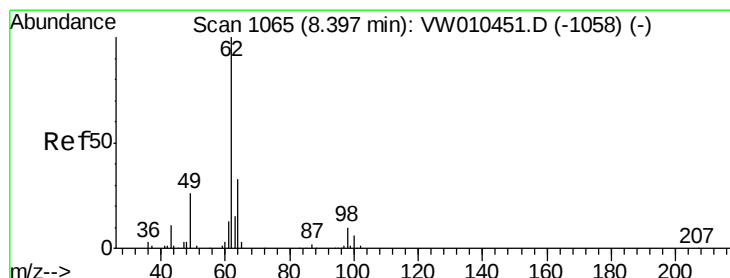
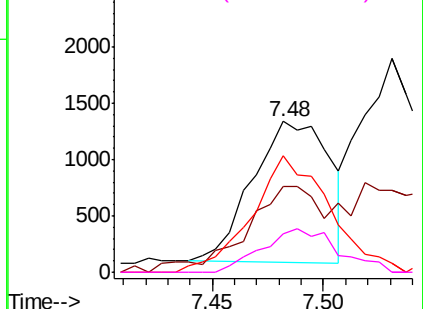
Abundance

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: 4.948 ug/l

RT: 8.40 min Scan# 1066

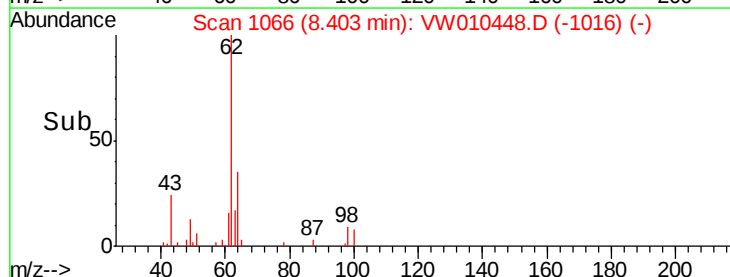
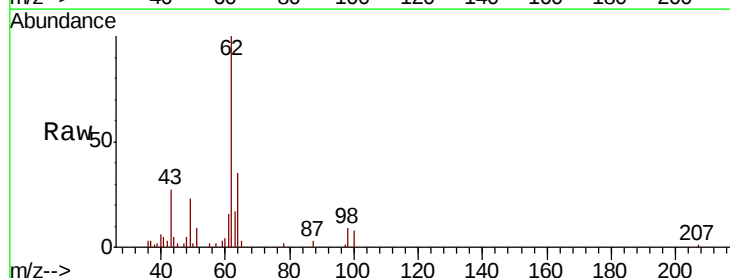
Delta R.T. 0.01 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Tgt Ion: 62 Resp: 8960

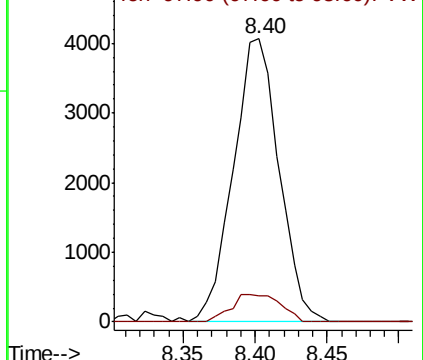
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0

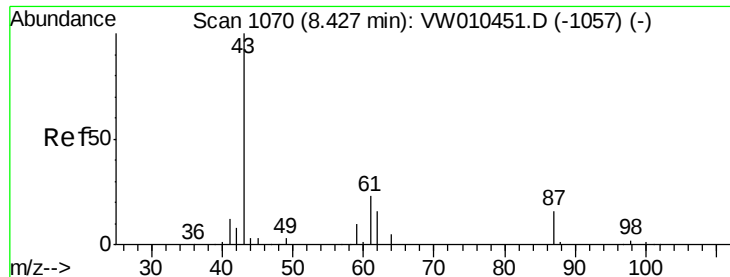


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.799 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

BFB

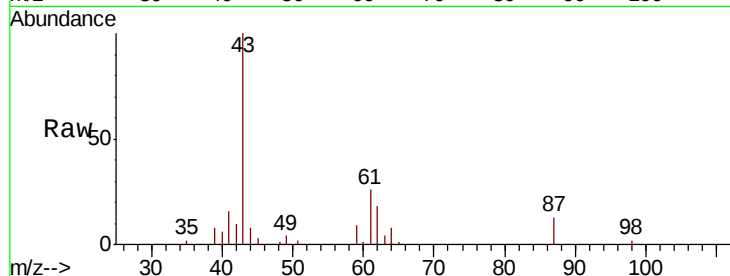
Tot Ion: 43 Resp: 9806

Ion Ratio Lower Upper

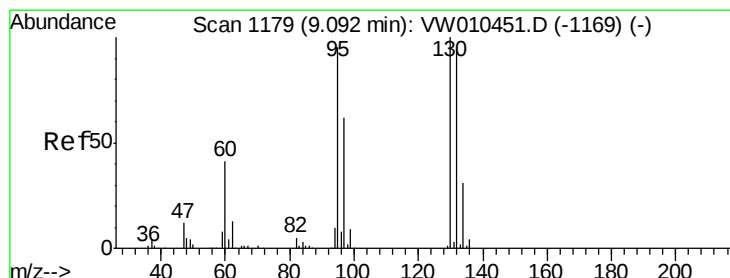
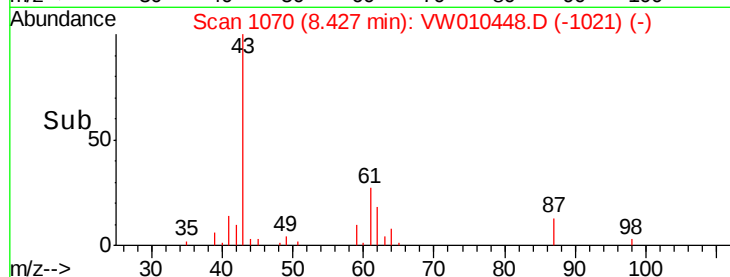
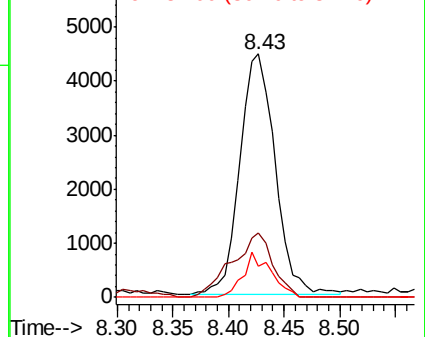
43 100

61 30.9 25.4 38.2

87 14.8 12.7 19.1



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: 5.240 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010448.D

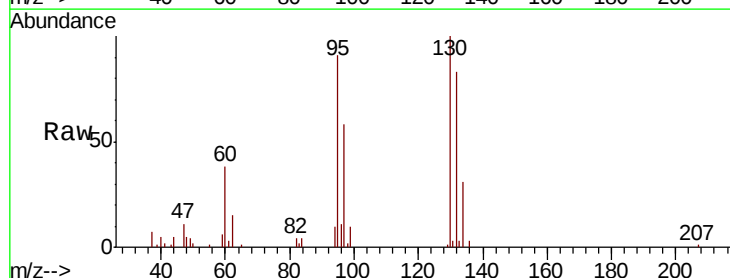
Acq: 20 May 2019 15:10

Tgt Ion: 130 Resp: 9256

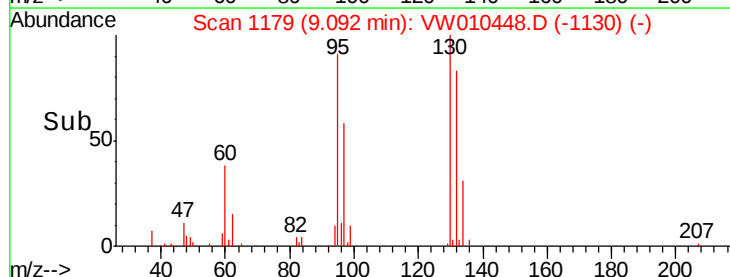
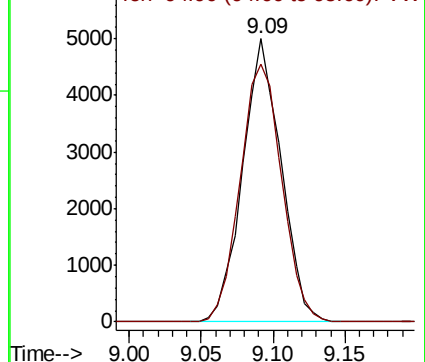
Ion Ratio Lower Upper

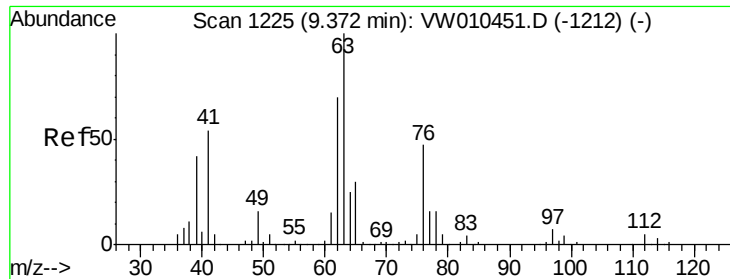
130 100

95 90.9 0.0 189.6



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

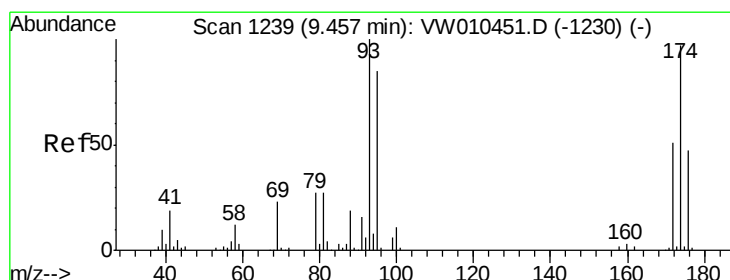
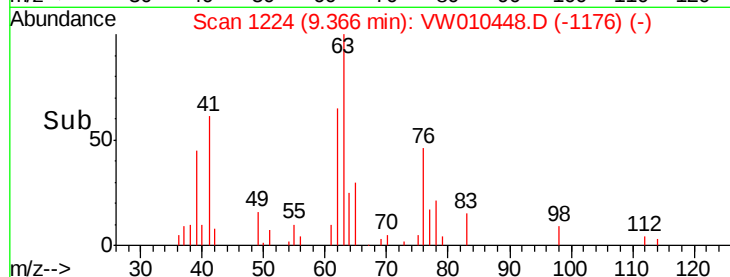
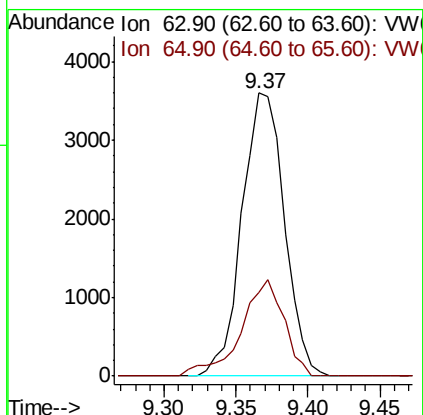
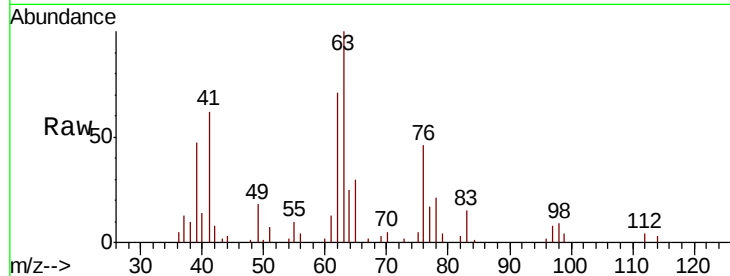




#45
 1,2-Dichloropropane
 Concen: 4.924 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

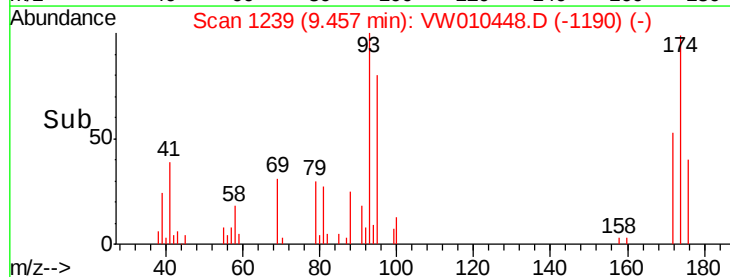
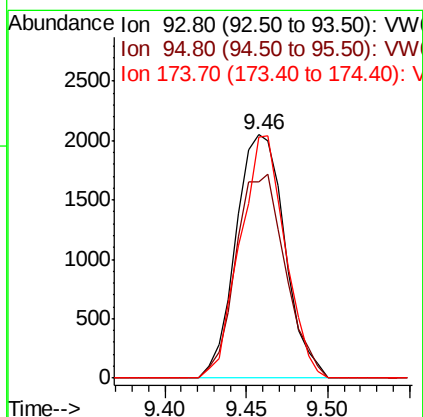
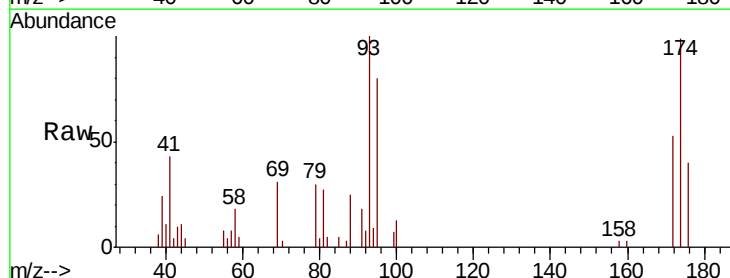
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

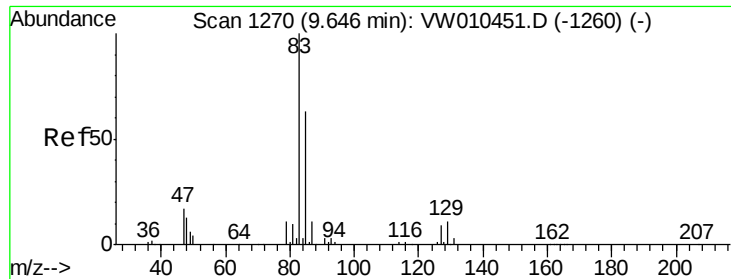
Tot Ion: 63 Resp: 7342
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.3 36.5



#46
 Dibromomethane
 Concen: 4.863 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

Tgt Ion: 93 Resp: 4267
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.1 99.1
 174 91.9 77.1 115.7

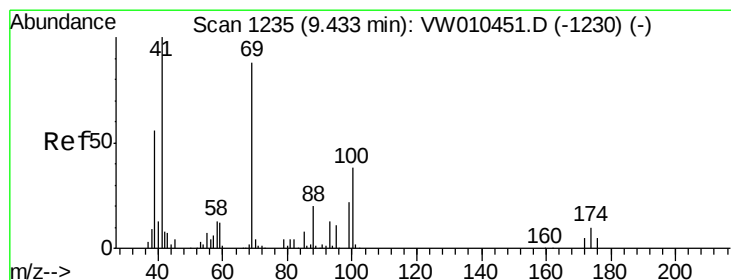
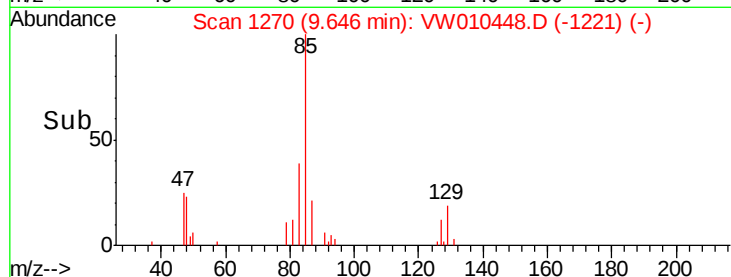
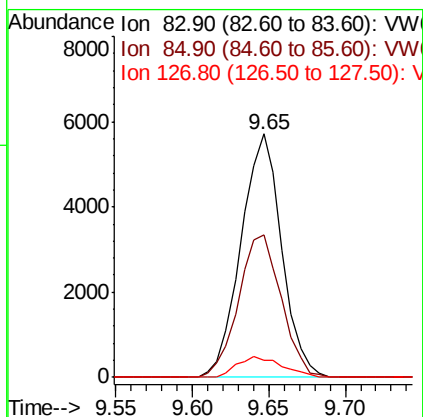
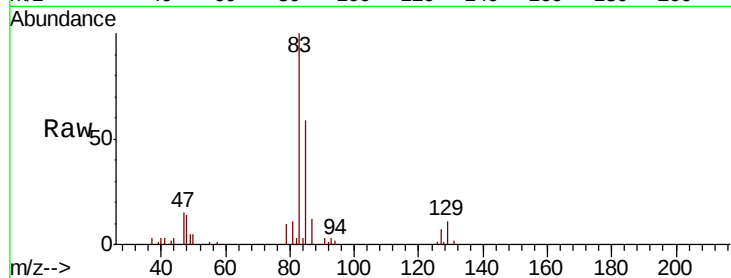




#47
Bromodichloromethane
Concen: 4.811 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

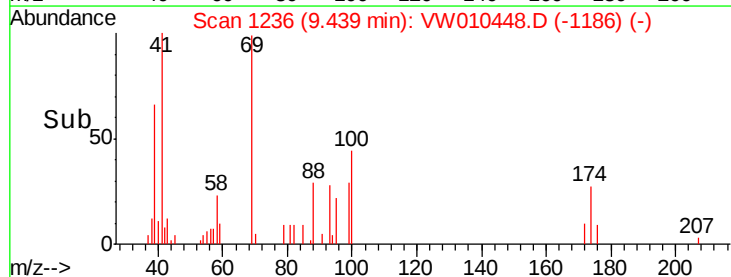
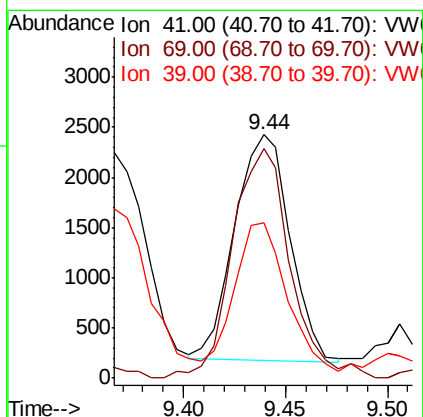
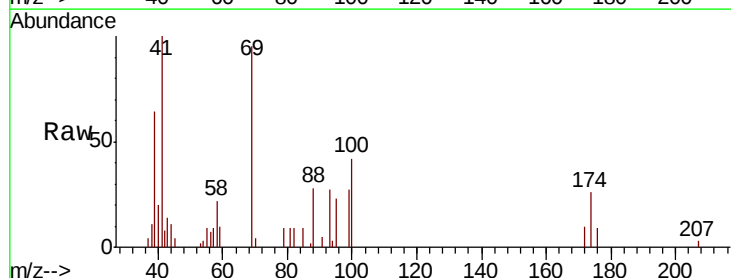
Instrument :
MSVOA_W
ClientSampleId :
BFB

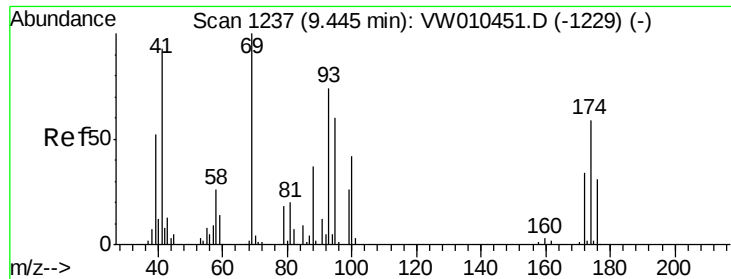
Tot Ion	83	Resp	10537
Ion Ratio	Lower	Upper	
83	100		
85	58.7	50.4	75.6
127	6.9	7.4	11.0#



#48
Methyl methacrylate
Concen: 4.493 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion	41	Resp	4243
Ion Ratio	Lower	Upper	
41	100		
69	106.4	77.6	116.4
39	64.9	49.8	74.8





#49

1,4-Dioxane

Concen: 118.966 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampled :

BFB

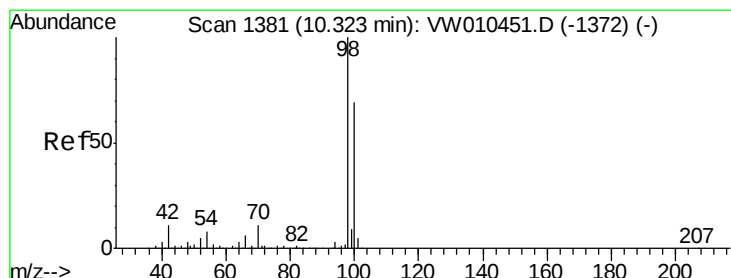
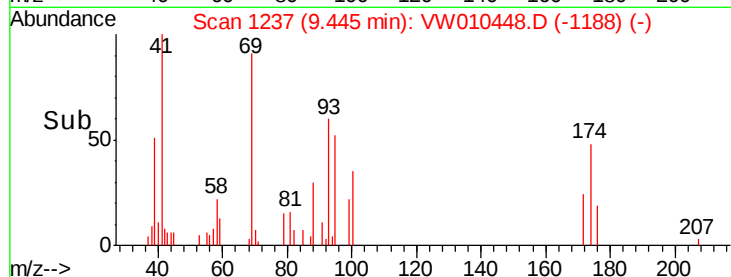
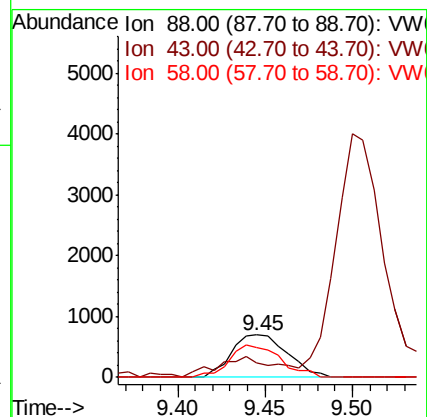
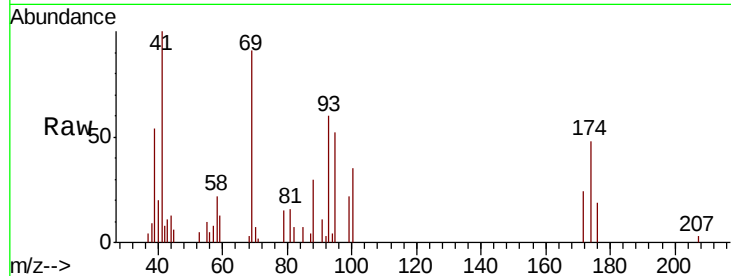
Tot Ion: 88 Resp: 1545

Ion Ratio Lower Upper

88 100

43 53.2 25.9 38.9#

58 70.2 52.7 79.1



#50

Toluene-d8

Concen: 4.549 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010448.D

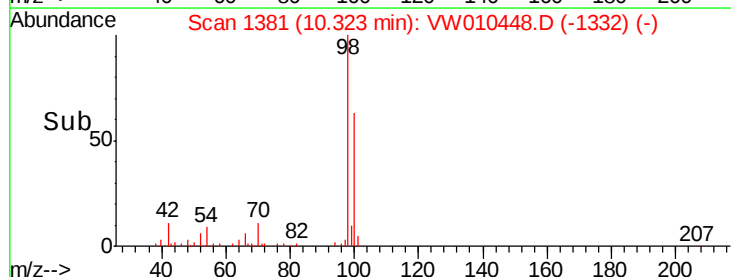
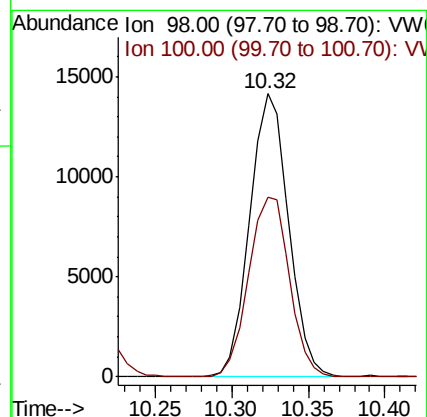
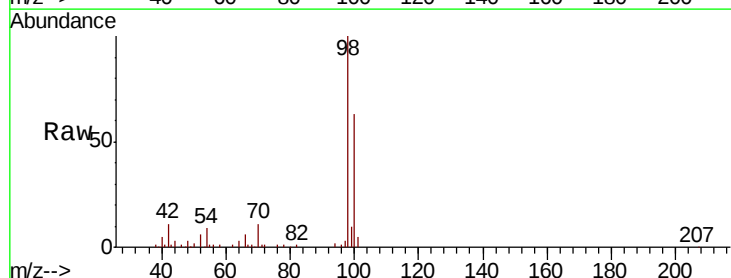
Acq: 20 May 2019 15:10

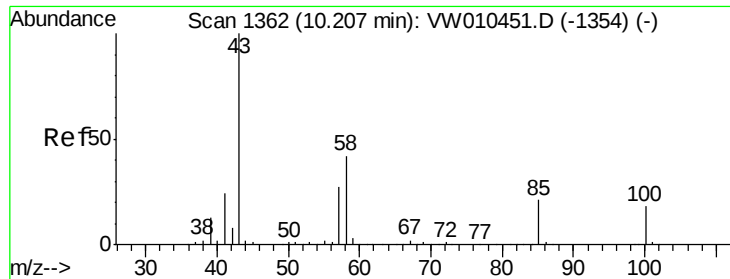
Tgt Ion: 98 Resp: 25007

Ion Ratio Lower Upper

98 100

100 66.7 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 23.755 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampled :

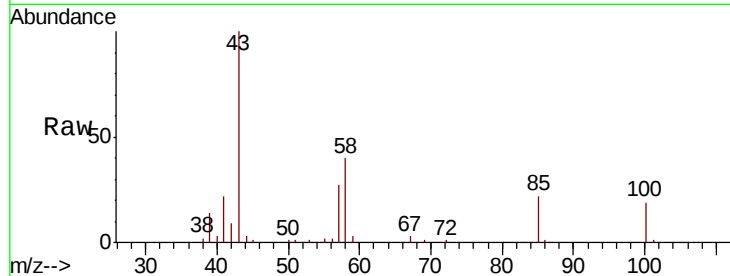
BFB

Tot Ion: 43 Resp: 24862

Ion Ratio Lower Upper

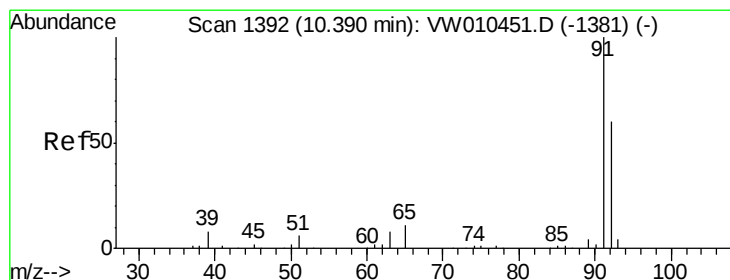
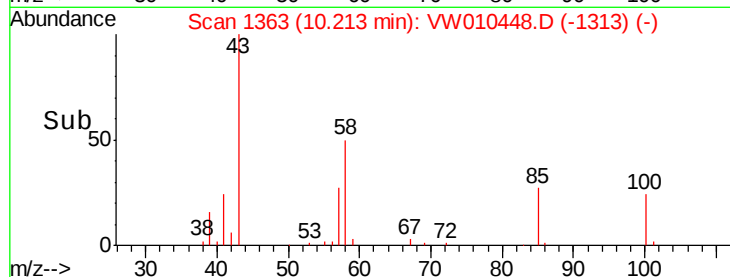
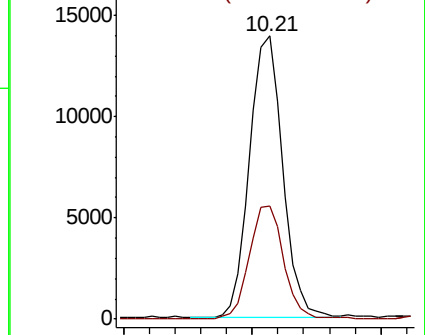
43 100

58 41.0 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 5.142 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010448.D

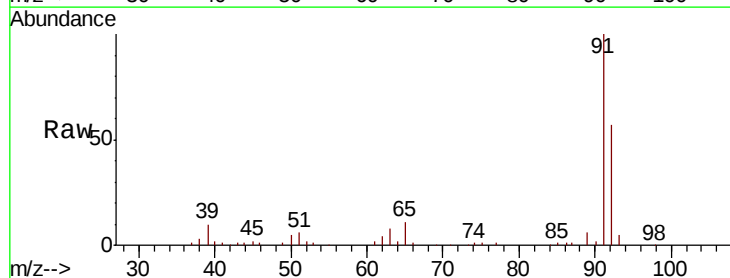
Acq: 20 May 2019 15:10

Tgt Ion: 92 Resp: 20979

Ion Ratio Lower Upper

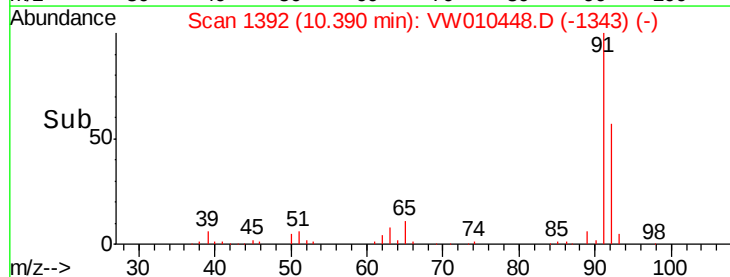
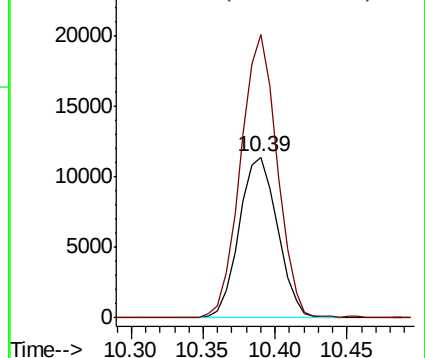
92 100

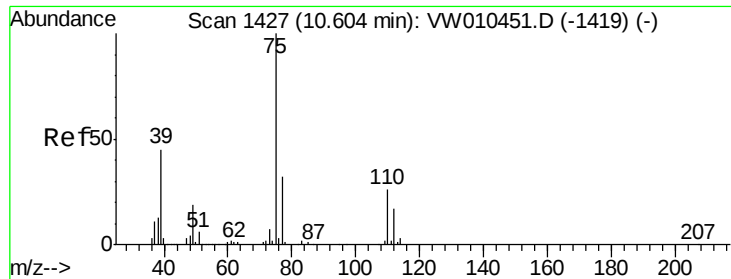
91 168.9 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 4.868 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

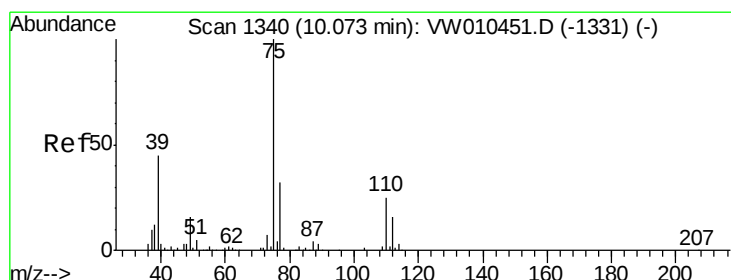
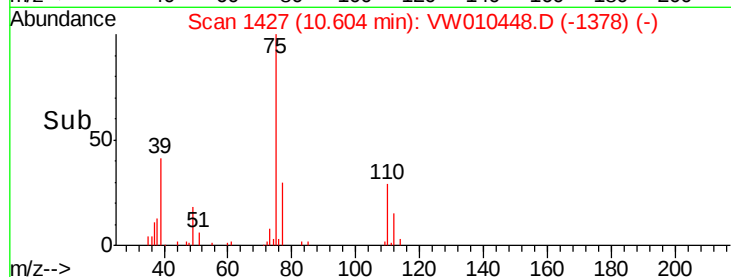
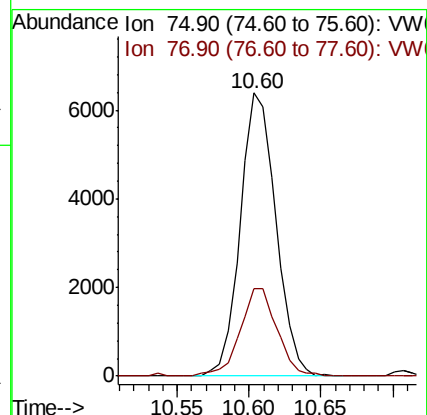
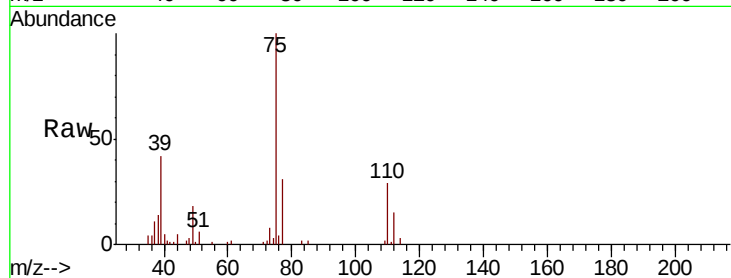
BFB

Tot Ion: 75 Resp: 10955

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 4.666 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

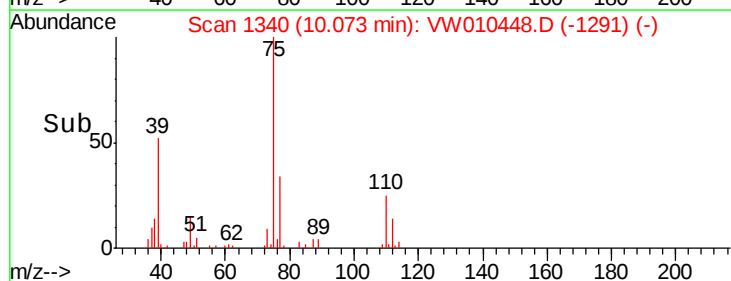
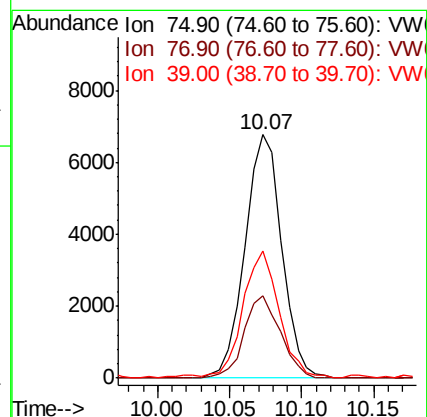
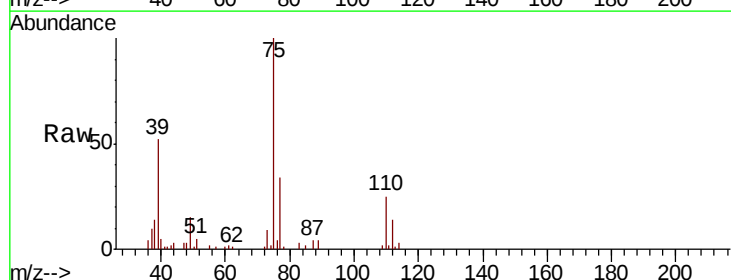
Tgt Ion: 75 Resp: 11940

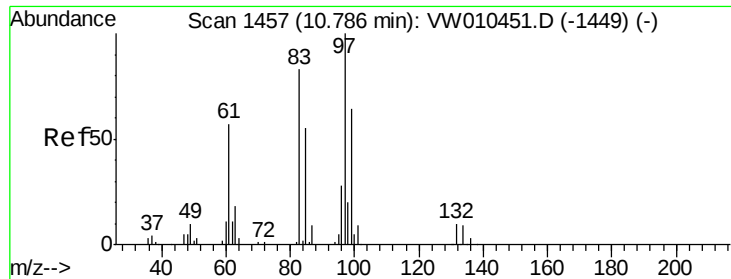
Ion Ratio Lower Upper

75 100

77 33.9 25.7 38.5

39 52.0 36.2 54.4

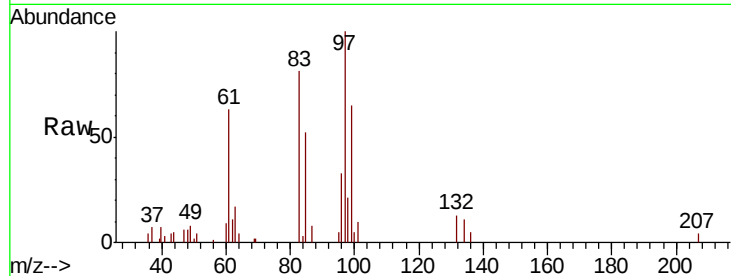




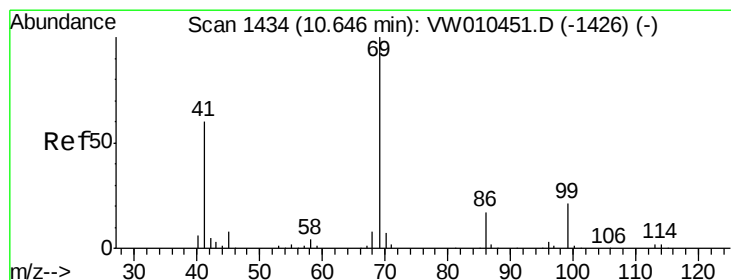
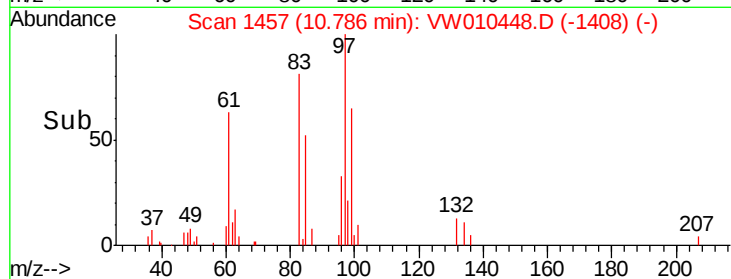
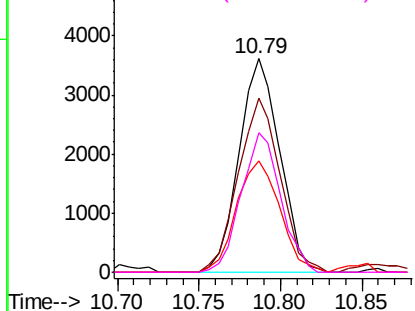
#55
 1,1,2-Trichloroethane
 Concen: 4.956 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

Tot Ion:	97	Resp:	6272
Ion	Ratio	Lower	Upper
97	100		
83	81.3	66.1	99.1
85	52.0	44.2	66.4
99	65.1	51.1	76.7

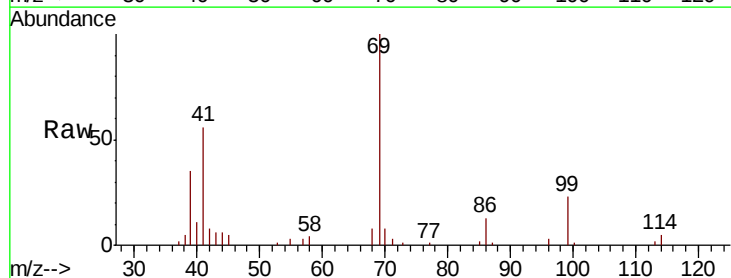


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

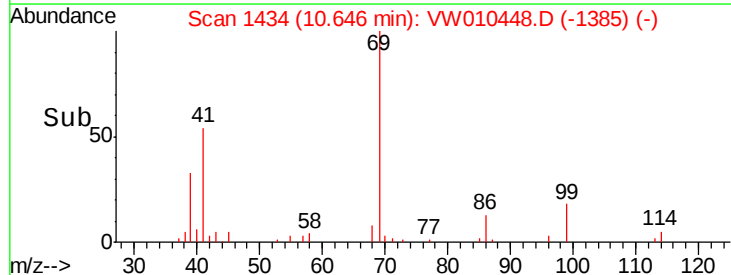
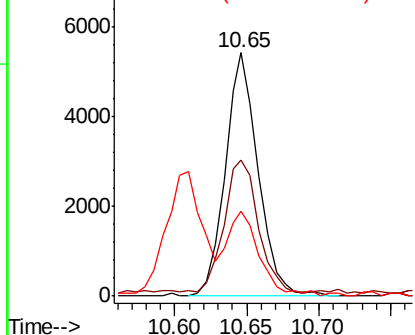


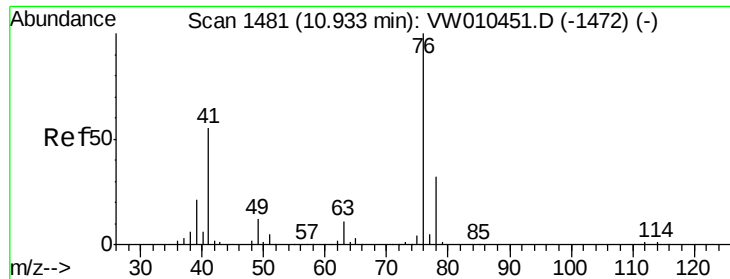
#56
 Ethyl methacrylate
 Concen: 4.875 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

Tgt Ion:	69	Resp:	8616
Ion	Ratio	Lower	Upper
69	100		
41	57.3	47.7	71.5
39	35.7	25.3	37.9



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

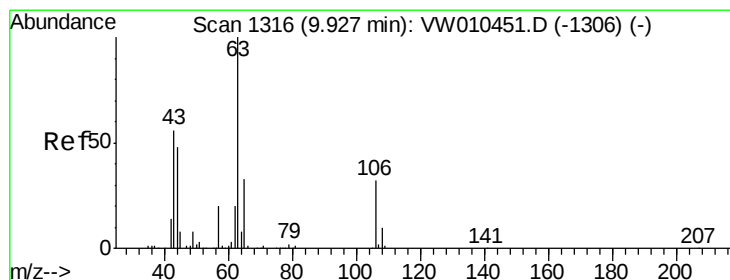
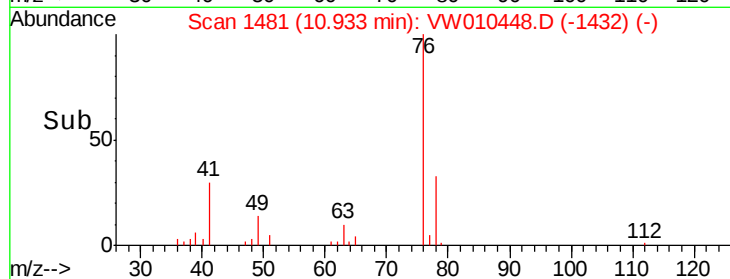
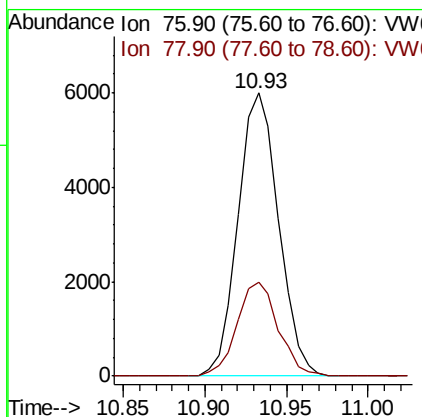
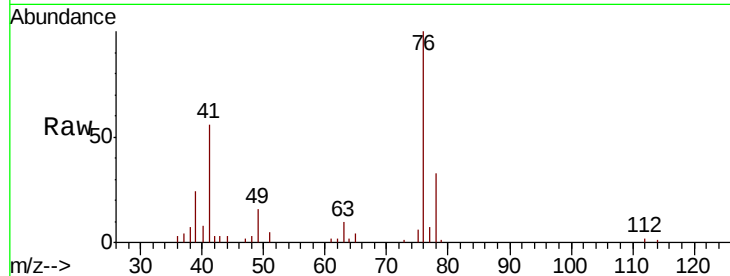




#57
 1,3-Dichloropropane
 Concen: 4.887 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

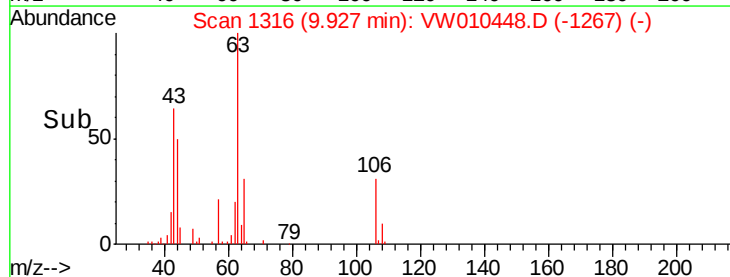
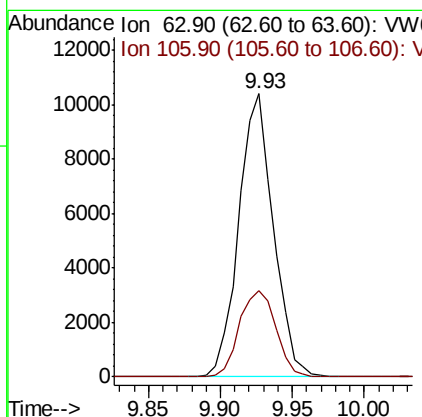
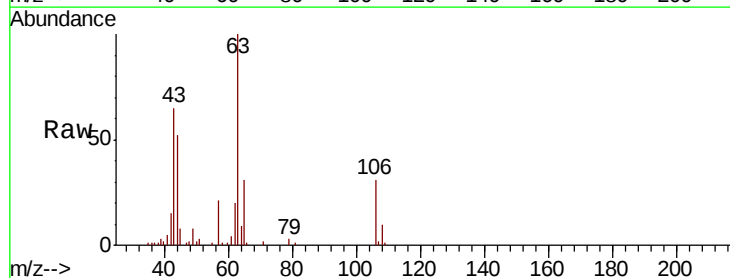
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

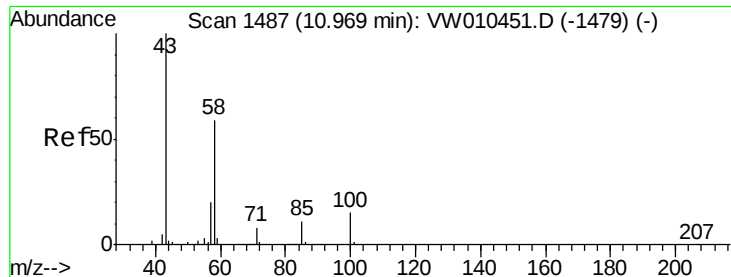
Tot Ion: 76 Resp: 10381
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.089 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

Tgt Ion: 63 Resp: 17357
 Ion Ratio Lower Upper
 63 100
 106 32.0 25.8 38.6

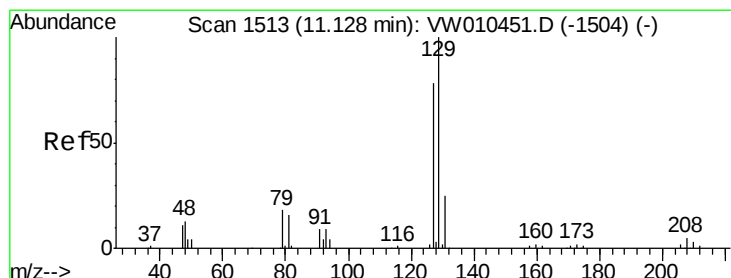
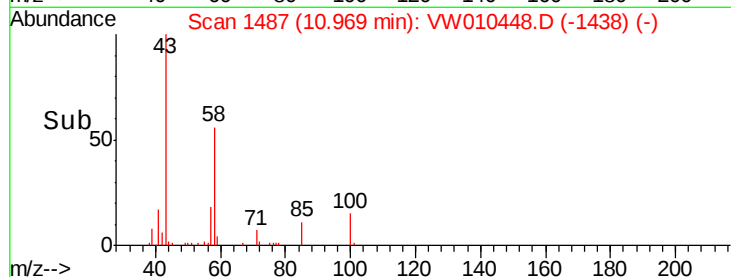
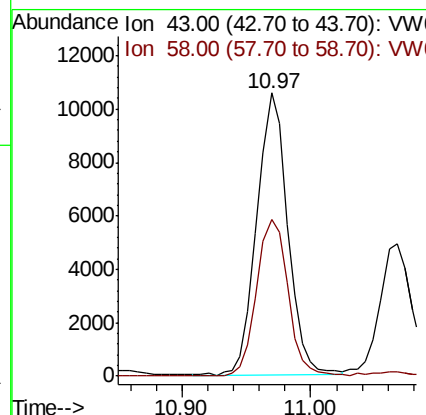
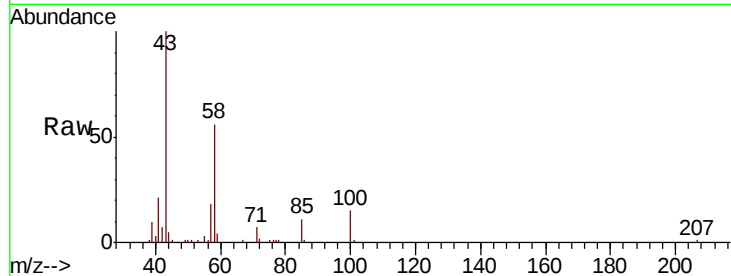




#59
2-Hexanone
Concen: 24.075 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

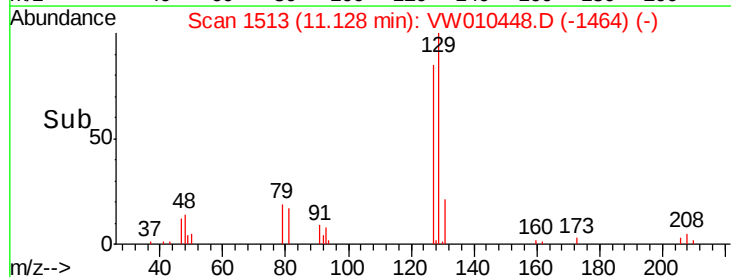
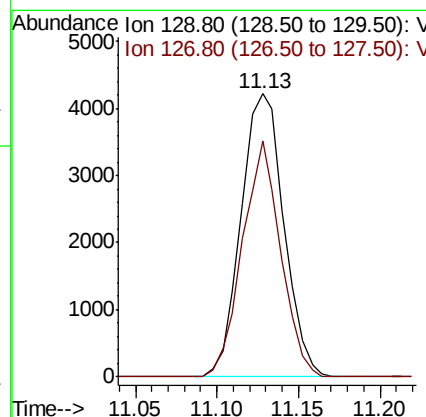
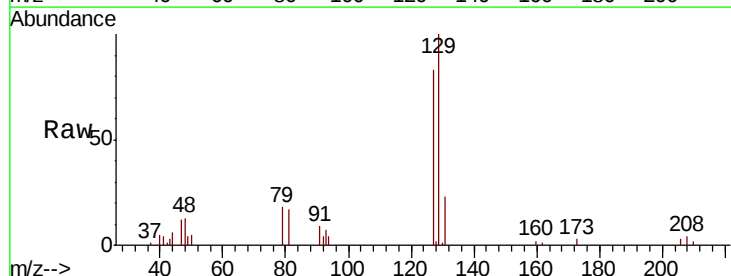
Instrument :
MSVOA_W
ClientSampled :
BFB

Tot Ion: 43 Resp: 17600
Ion Ratio Lower Upper
43 100
58 56.4 28.9 86.8



#60
Dibromochloromethane
Concen: 4.892 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion: 129 Resp: 7703
Ion Ratio Lower Upper
129 100
127 74.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 4.912 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

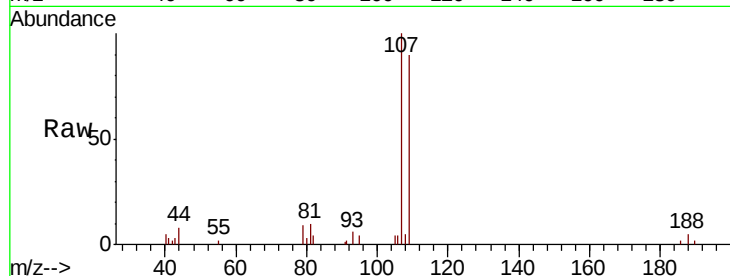
BFB

Tot Ion:107 Resp: 6313

Ion Ratio Lower Upper

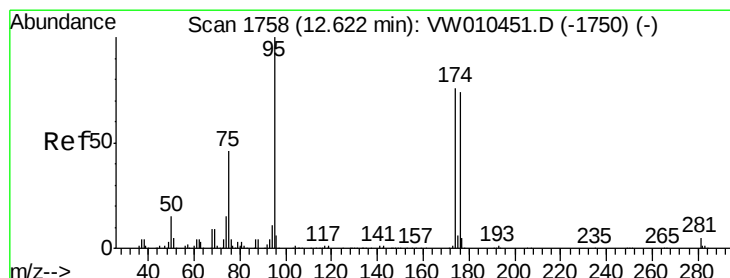
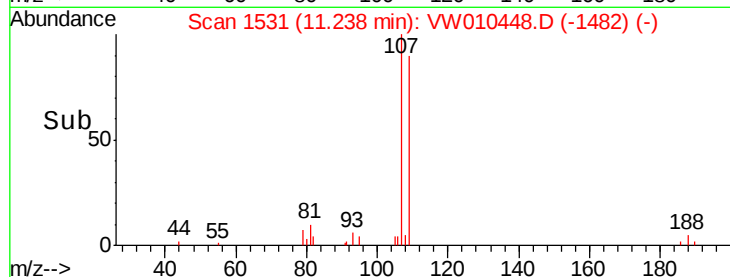
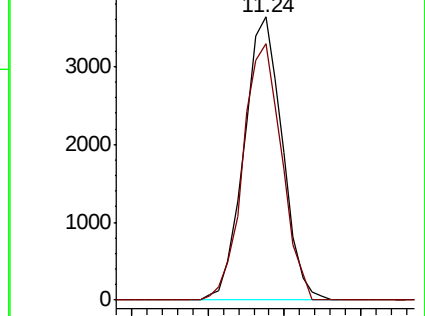
107 100

109 91.6 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.367 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

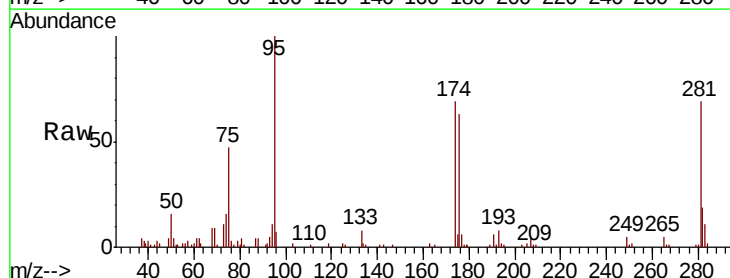
Tgt Ion: 95 Resp: 11590

Ion Ratio Lower Upper

95 100

174 64.4 0.0 148.6

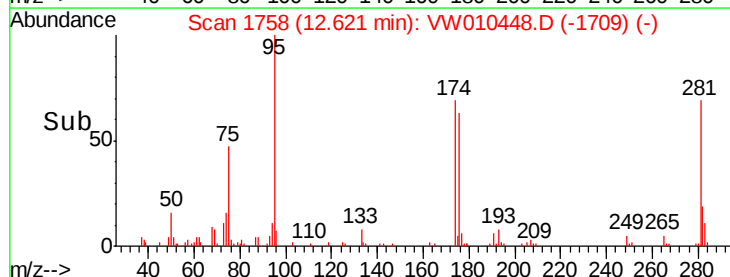
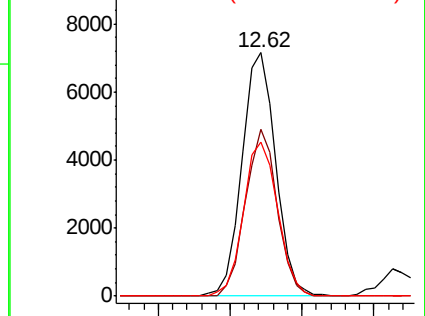
176 64.1 0.0 144.2

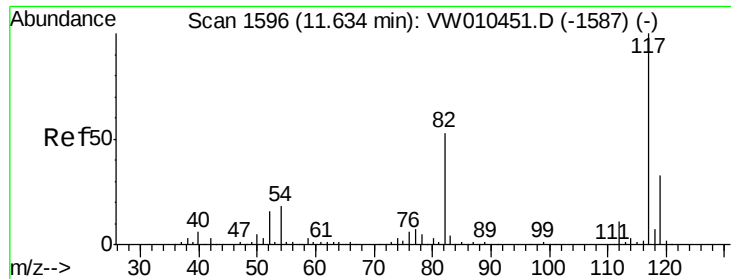


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

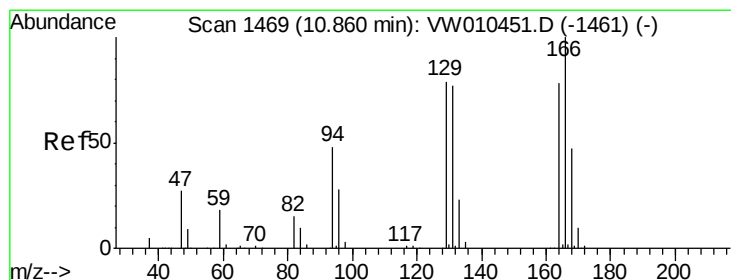
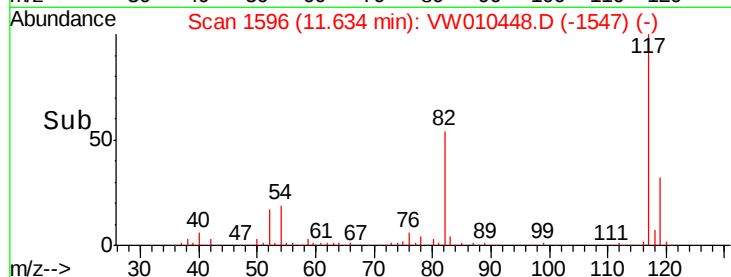
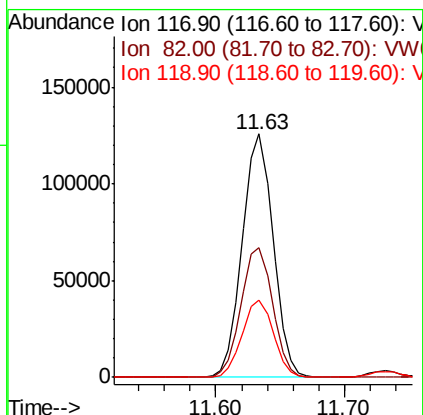
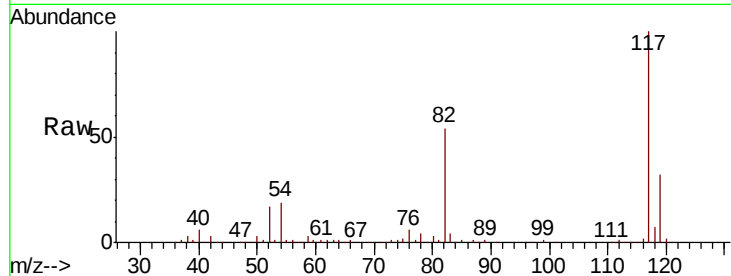




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

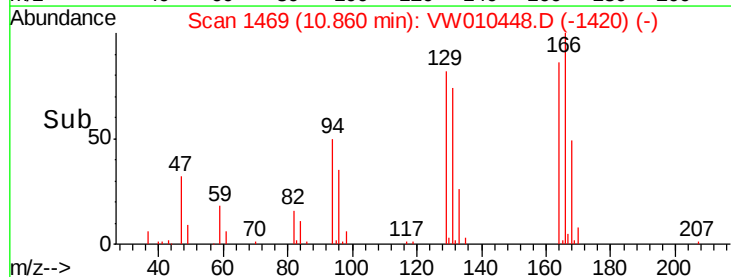
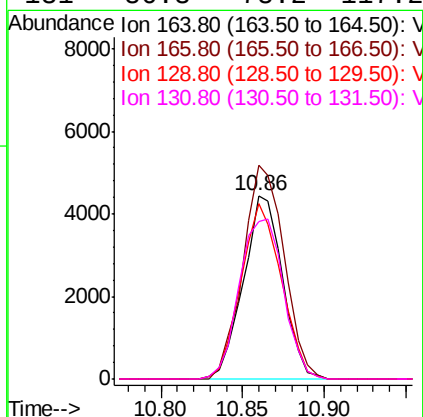
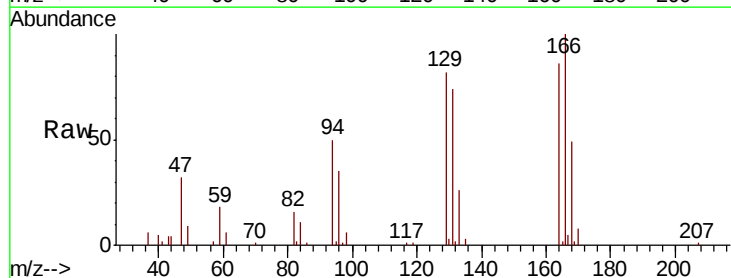
Instrument :
MSVOA_W
ClientSampleId :
BFB

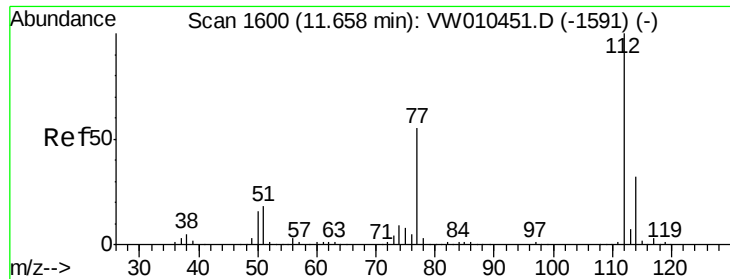
Tot Ion:117 Resp: 208717
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 31.9 26.3 39.5



#64
Tetrachloroethene
Concen: 5.322 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion:164 Resp: 7427
Ion Ratio Lower Upper
164 100
166 116.6 101.9 152.9
129 95.7 80.6 121.0
131 86.3 78.2 117.2

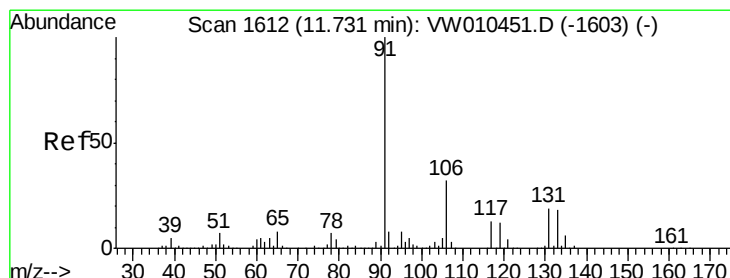
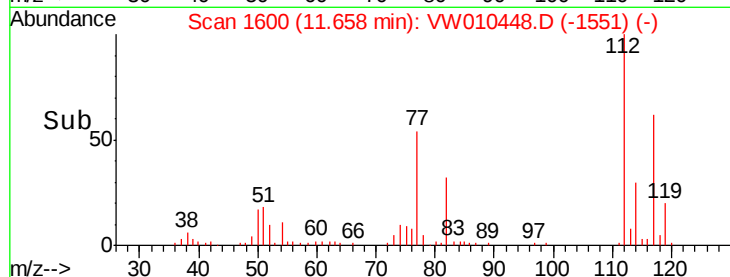
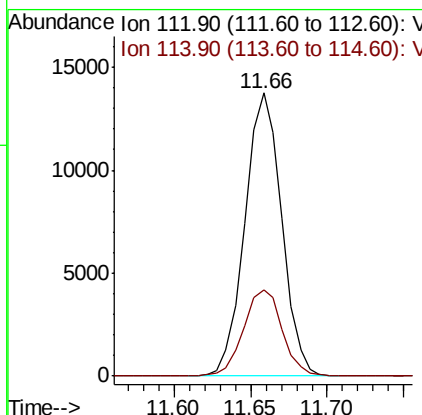
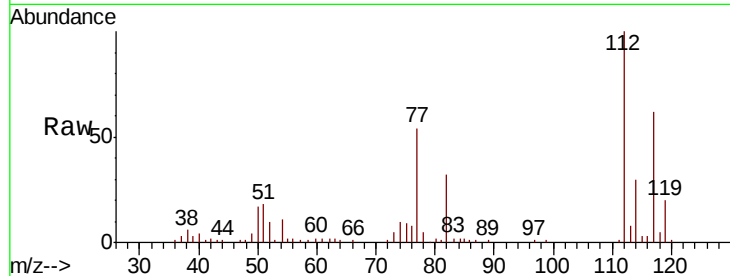




#65
Chlorobenzene
Concen: 5.358 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

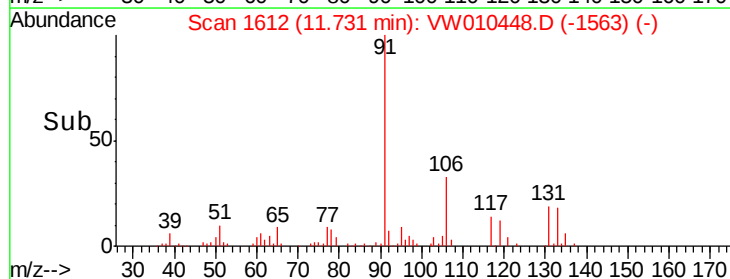
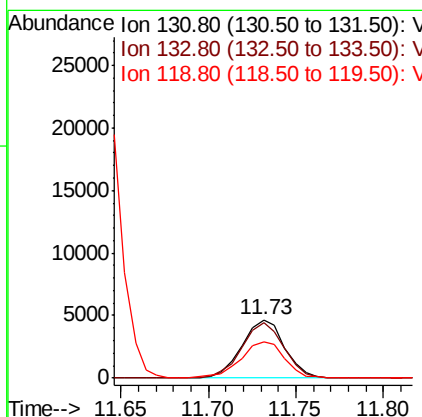
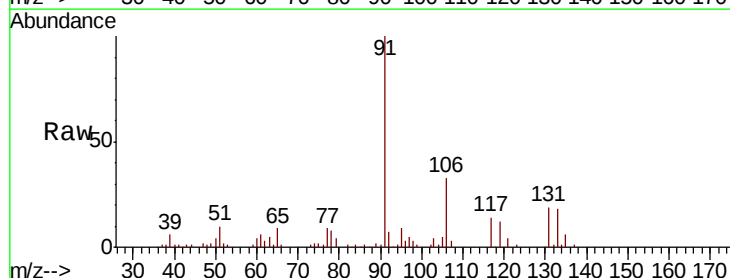
Instrument :
MSVOA_W
ClientSampleId :
BFB

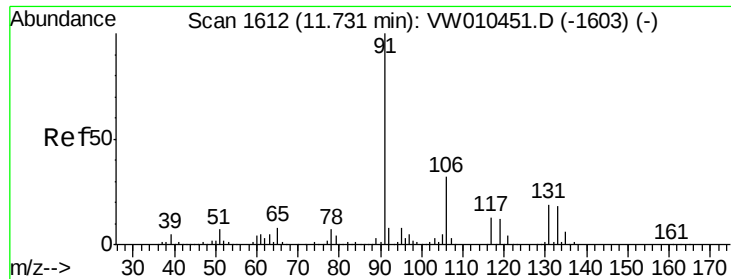
Tot Ion:112 Resp: 22989
Ion Ratio Lower Upper
112 100
114 30.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 4.964 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion:131 Resp: 7852
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 64.2 32.1 96.5

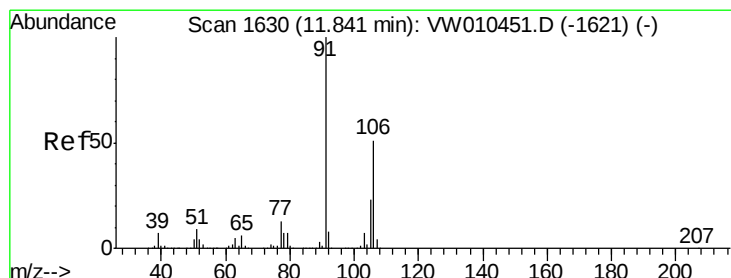
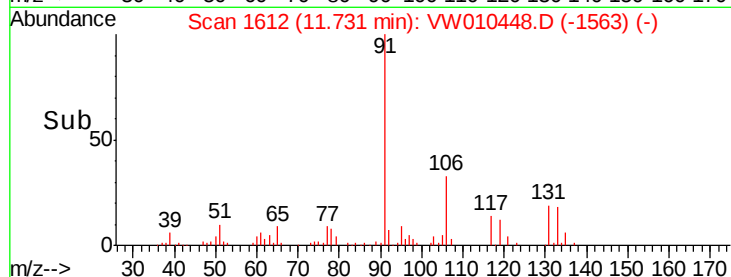
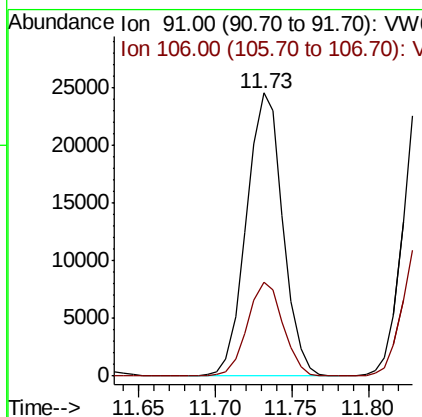
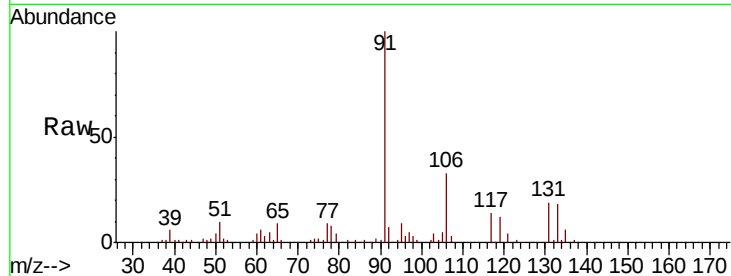




#67
Ethyl Benzene
Concen: 5.362 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

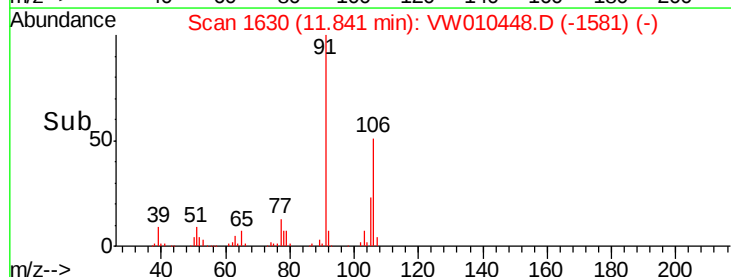
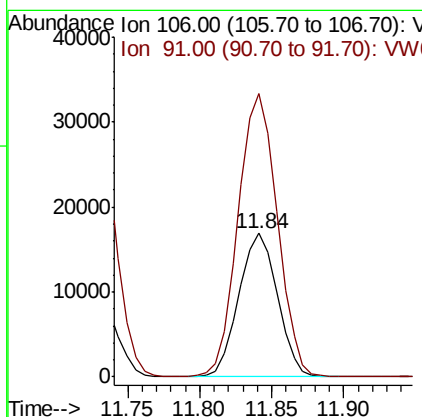
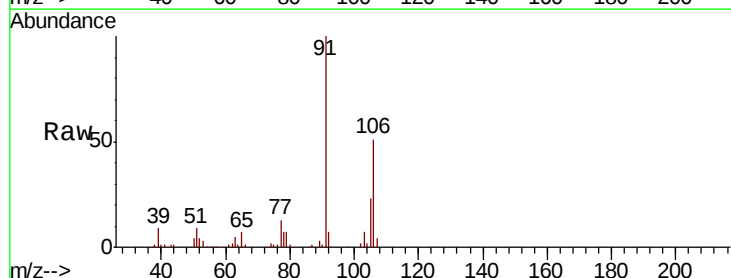
Instrument :
MSVOA_W
ClientSampled :
BFB

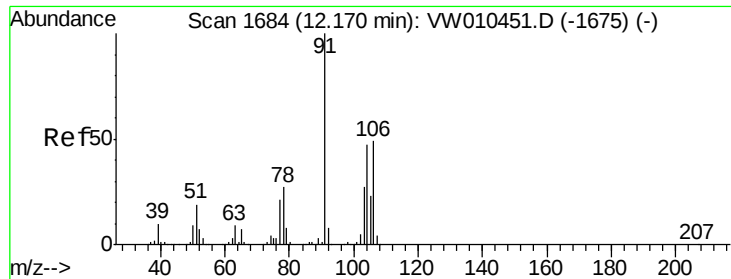
Tot Ion: 91 Resp: 40636
Ion Ratio Lower Upper
91 100
106 33.2 25.9 38.9



#68
m/p-Xylenes
Concen: 10.595 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion:106 Resp: 31446
Ion Ratio Lower Upper
106 100
91 200.8 156.0 234.0

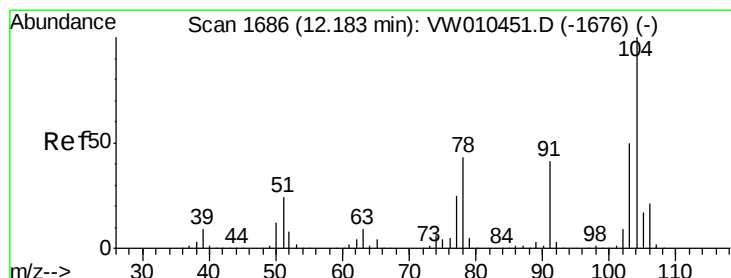
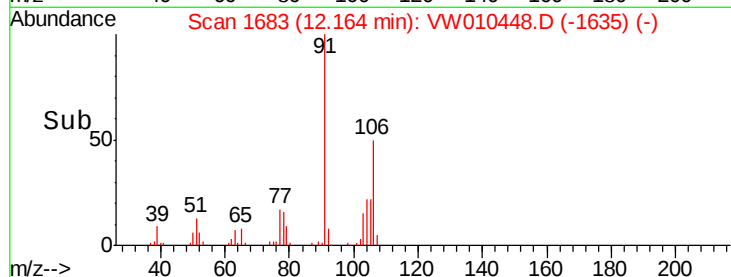
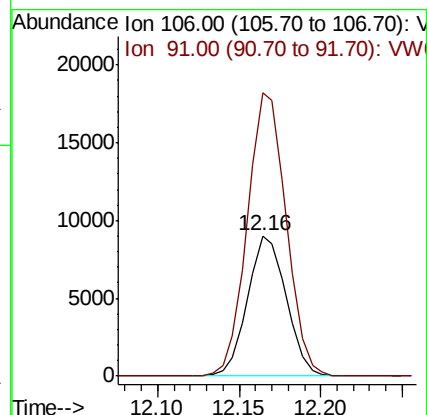
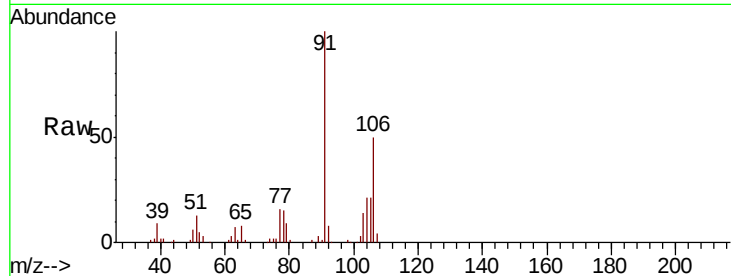




#69
o-Xylene
Concen: 5.247 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

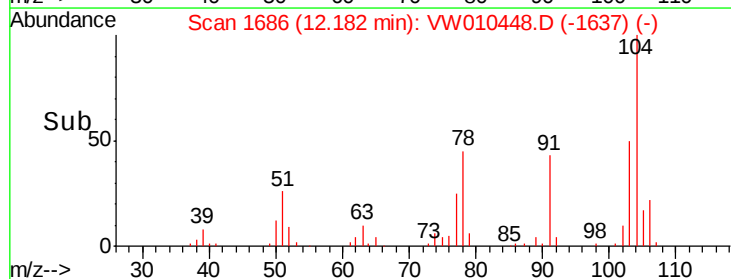
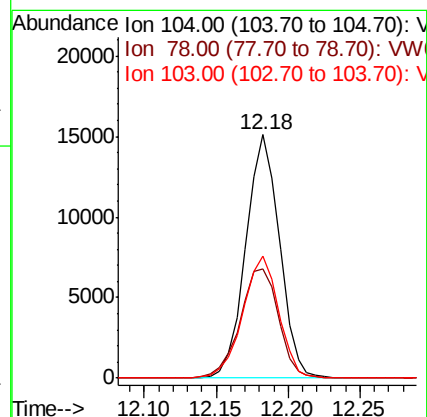
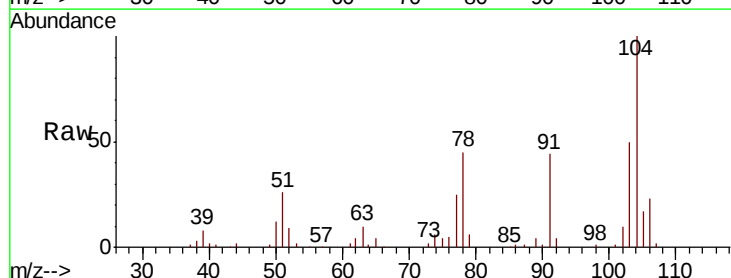
Instrument :
MSVOA_W
ClientSampled :
BFB

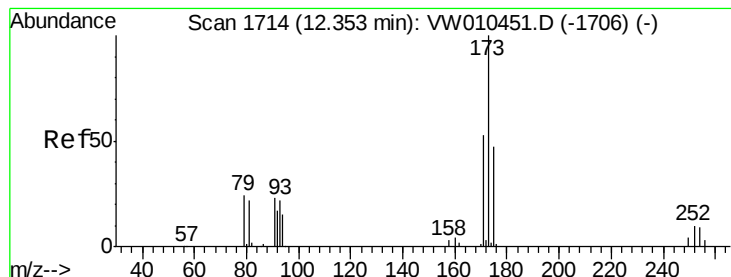
Tot Ion:106 Resp: 14816
Ion Ratio Lower Upper
106 100
91 204.3 103.2 309.4



#70
Styrene
Concen: 5.035 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion:104 Resp: 24441
Ion Ratio Lower Upper
104 100
78 51.5 39.0 58.4
103 53.4 43.0 64.6





#71

Bromoform

Concen: 4.706 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

BFB

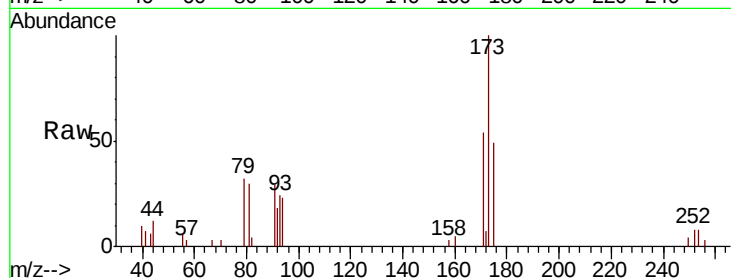
Tot Ion:173 Resp: 4137

Ion Ratio Lower Upper

173 100

175 47.1 24.4 73.4

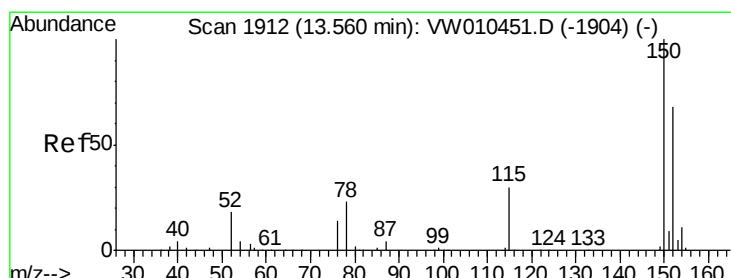
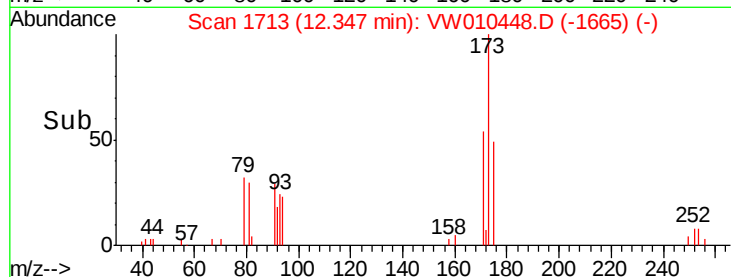
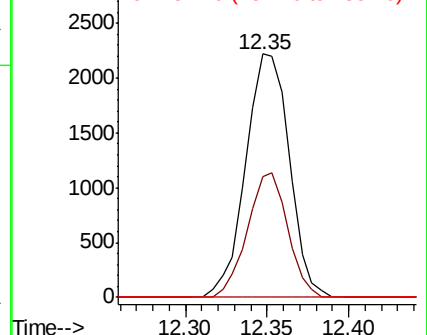
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

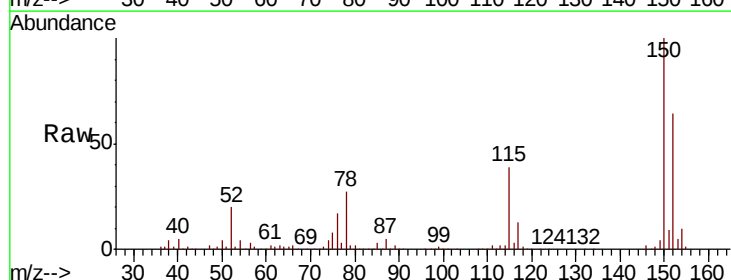
Tgt Ion:152 Resp: 98328

Ion Ratio Lower Upper

152 100

115 61.9 30.3 91.0

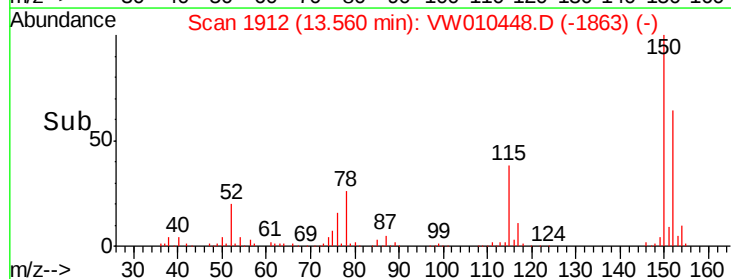
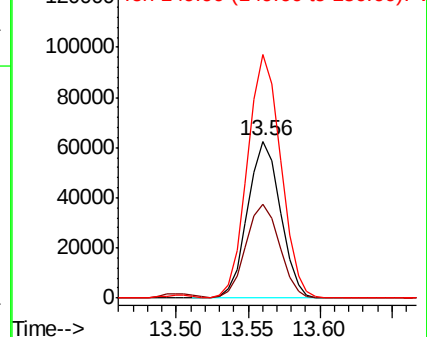
150 158.4 0.0 349.8

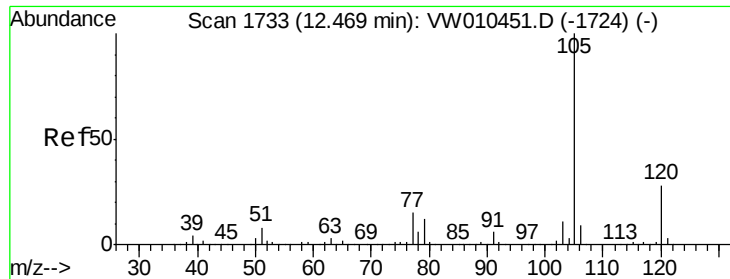


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.272 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

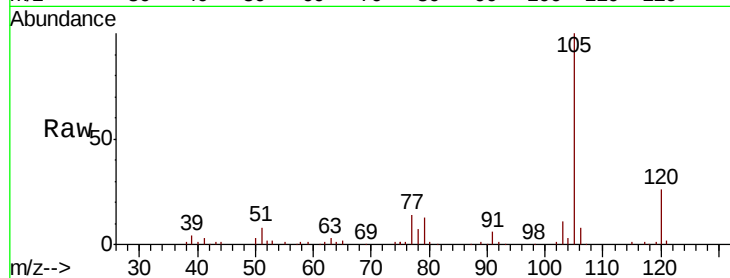
BFB

Tot Ion:105 Resp: 40699

Ion Ratio Lower Upper

105 100

120 27.5 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

25000

20000

15000

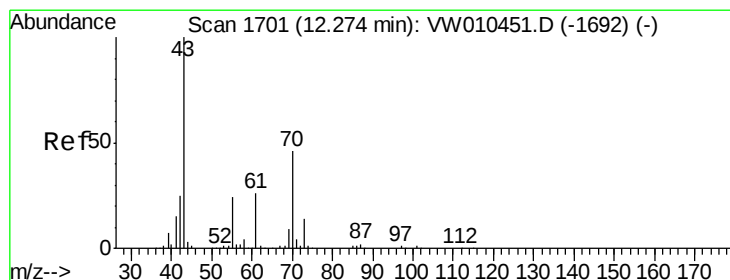
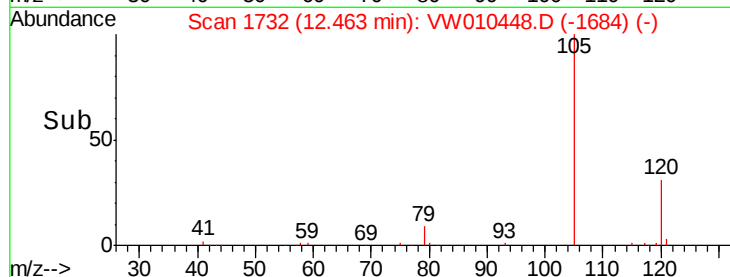
10000

5000

0

Time-->

12.40 12.45 12.50



#74

N-ethyl acetate

Concen: 4.629 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Tgt Ion: 43 Resp: 8947

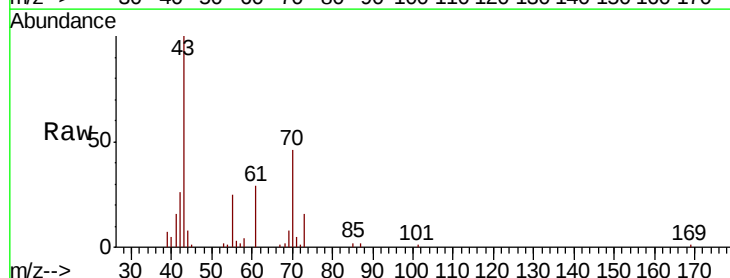
Ion Ratio Lower Upper

43 100

70 47.7 37.1 55.7

55 27.1 19.6 29.4

61 27.4 20.7 31.1



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

12.27

8000

6000

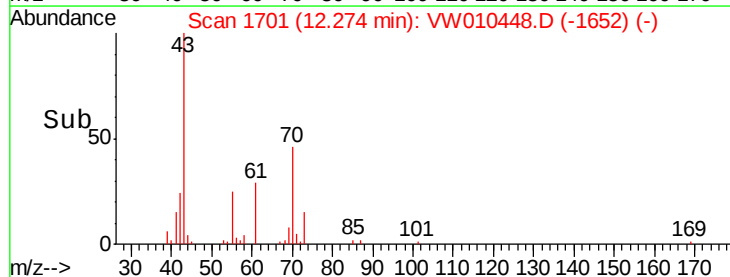
4000

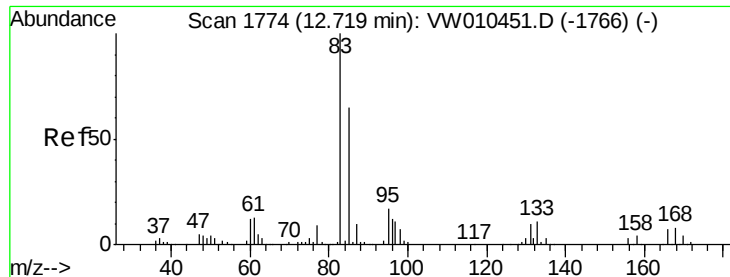
2000

0

Time-->

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 5.056 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampled :

BFB

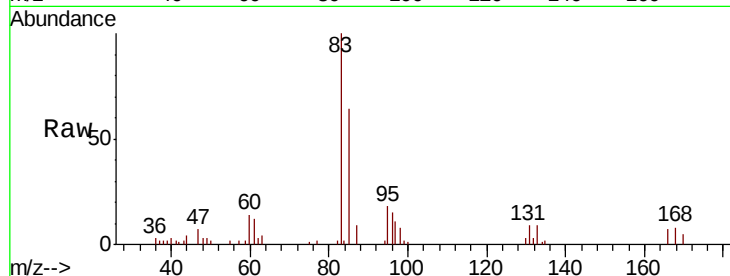
Tot Ion: 83 Resp: 7568

Ion Ratio Lower Upper

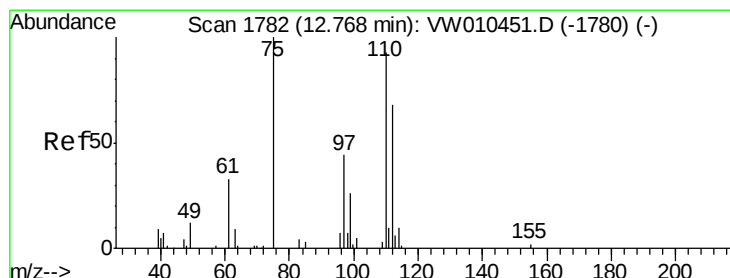
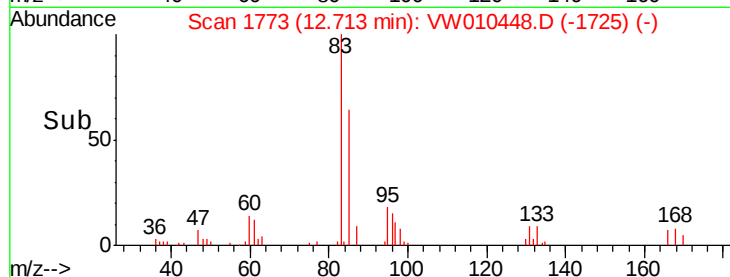
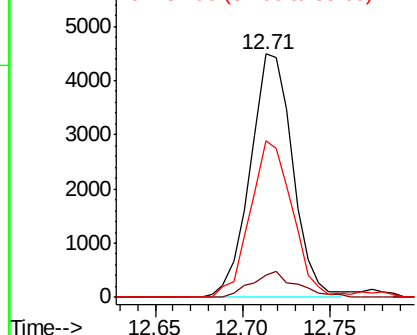
83 100

131 11.4 5.6 16.8

85 64.0 32.4 97.0



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: 9.074 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010448.D

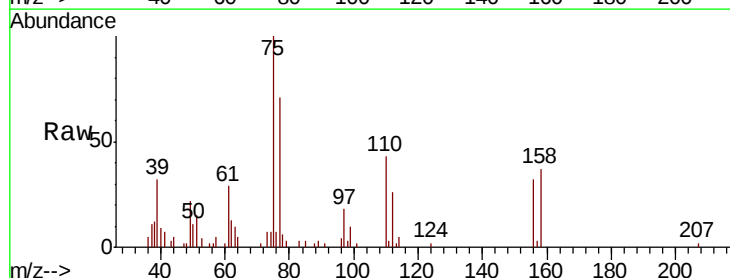
Acq: 20 May 2019 15:10

Tgt Ion: 75 Resp: 9469

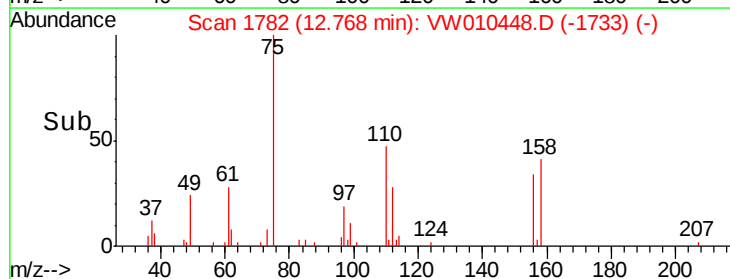
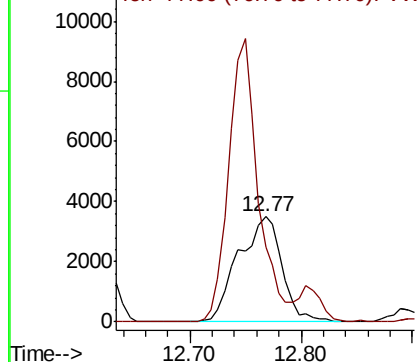
Ion Ratio Lower Upper

75 100

77 180.7 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

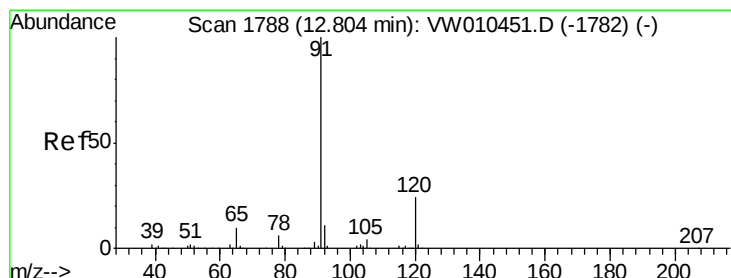
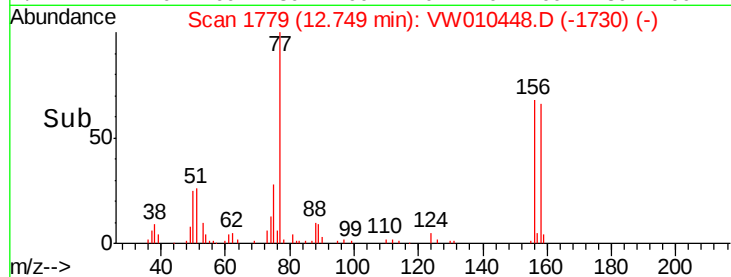
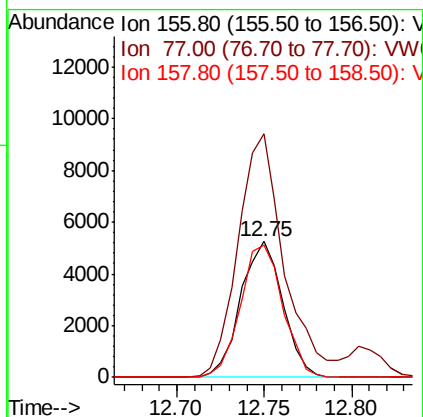
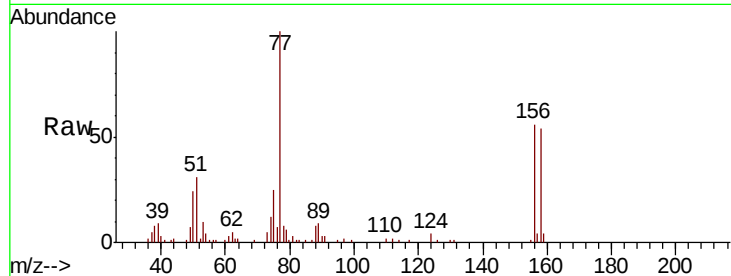




#77
Bromobenzene
Concen: 5.059 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

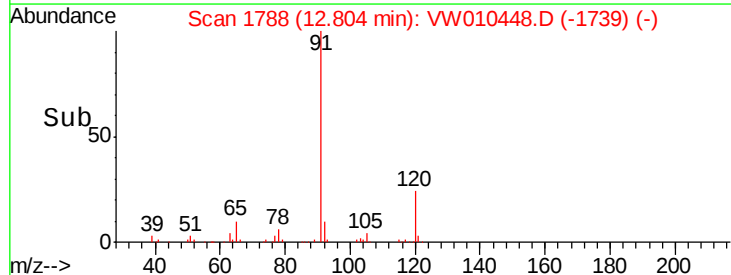
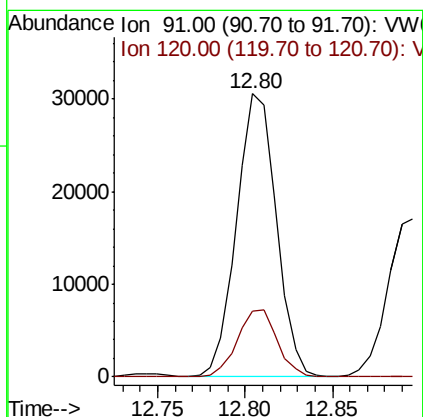
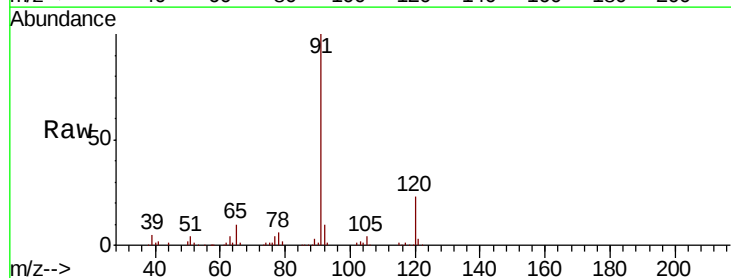
Instrument :
MSVOA_W
ClientSampled :
BFB

Tot Ion:156 Resp: 8800
Ion Ratio Lower Upper
156 100
77 194.4 92.4 277.2
158 98.0 48.3 144.8



#78
n-propylbenzene
Concen: 5.389 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion: 91 Resp: 48136
Ion Ratio Lower Upper
91 100
120 23.7 12.3 36.8





#79

2-Chlorotoluene

Concen: 5.368 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampled :

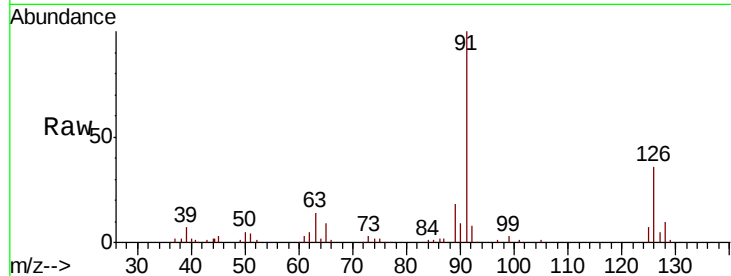
BFB

Tot Ion: 91 Resp: 27974

Ion Ratio Lower Upper

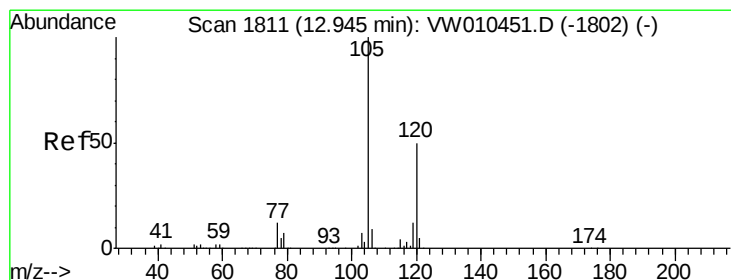
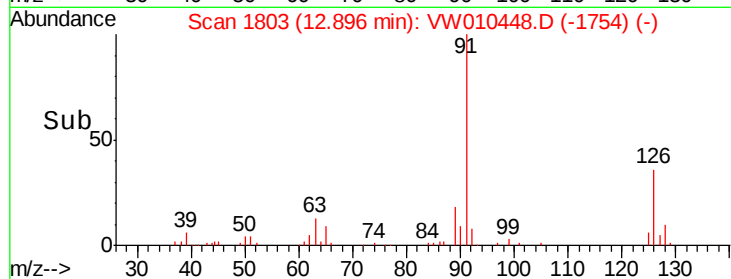
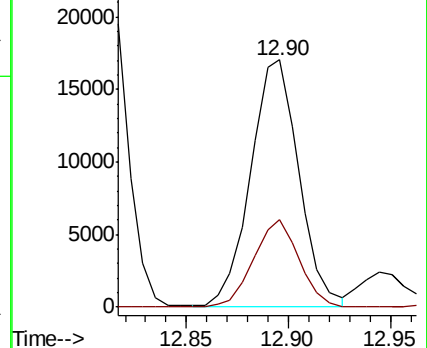
91 100

126 33.3 17.4 52.3



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: 5.229 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010448.D

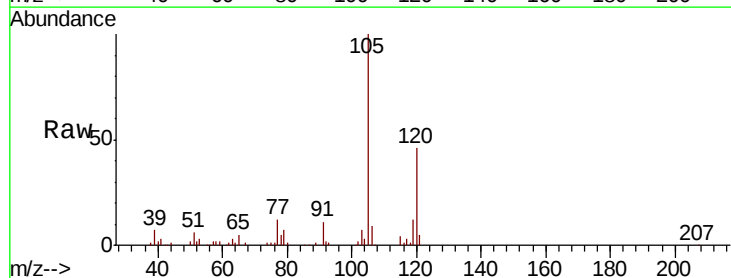
Acq: 20 May 2019 15:10

Tgt Ion:105 Resp: 34276

Ion Ratio Lower Upper

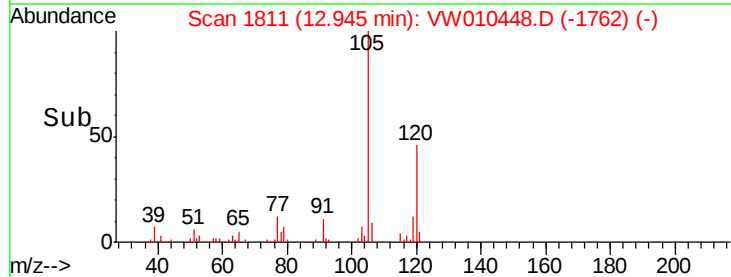
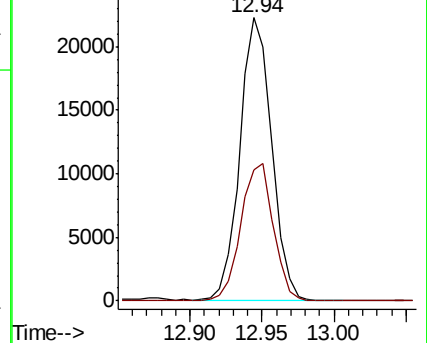
105 100

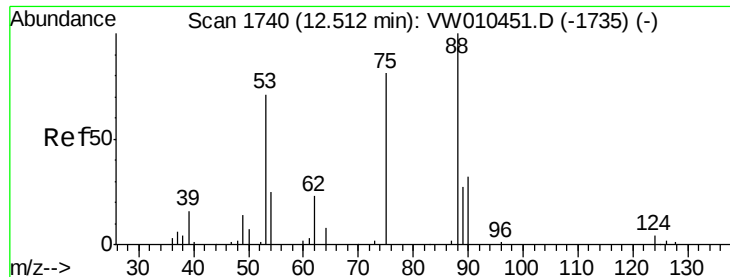
120 49.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

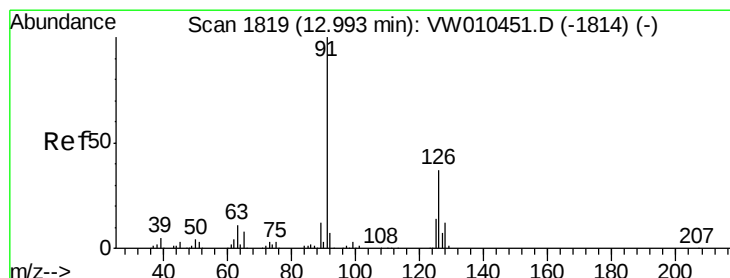
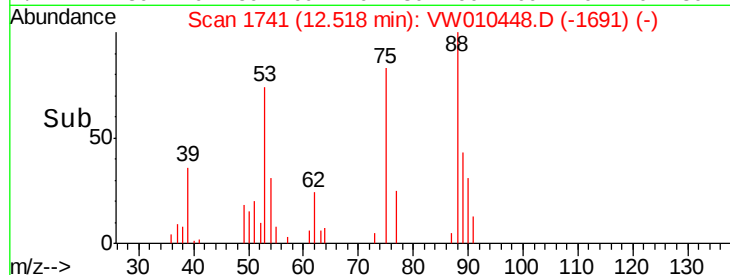
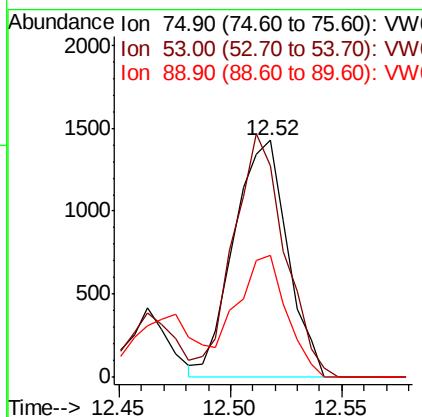
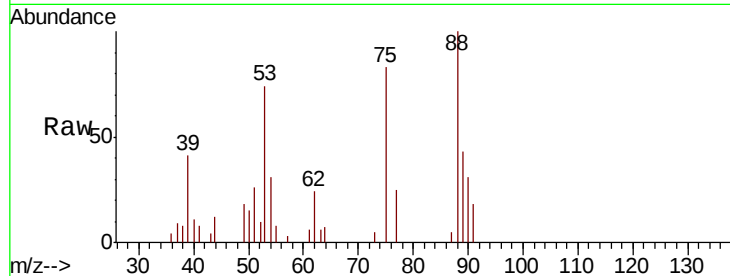




#81
trans-1,4-Dichloro-2-butene
Concen: 4.537 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

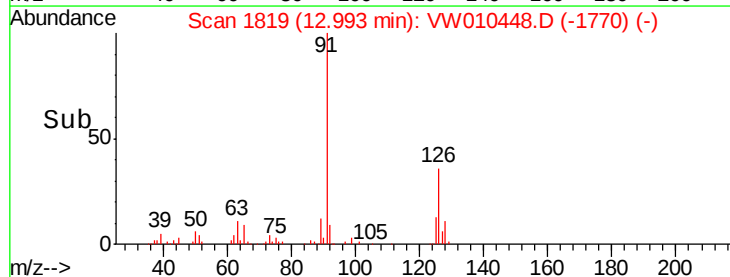
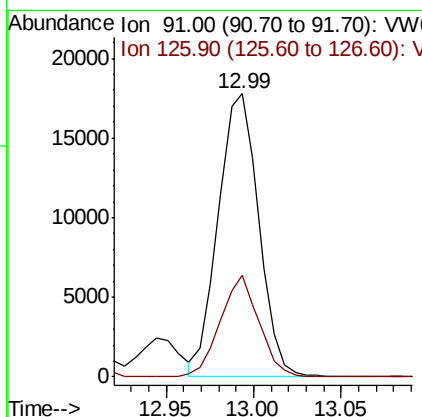
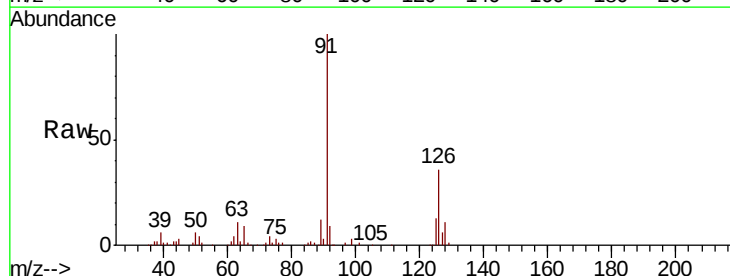
Instrument :
MSVOA_W
ClientSampleId :
BFB

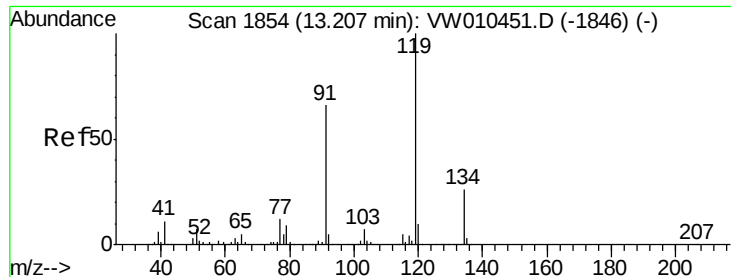
Tot Ion: 75 Resp: 2399
Ion Ratio Lower Upper
75 100
53 98.4 69.8 104.8
89 46.6 39.5 59.3



#82
4-Chlorotoluene
Concen: 5.265 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion: 91 Resp: 28604
Ion Ratio Lower Upper
91 100
126 34.1 17.5 52.6

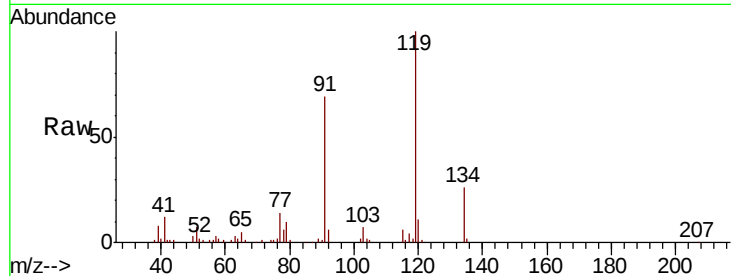




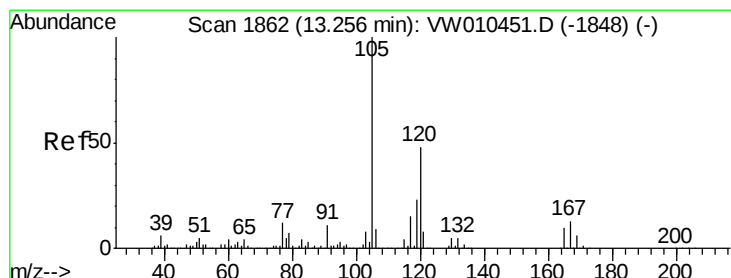
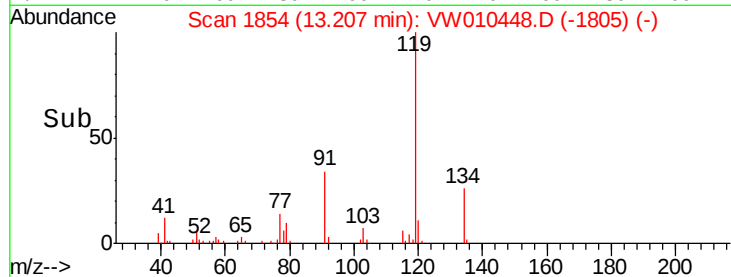
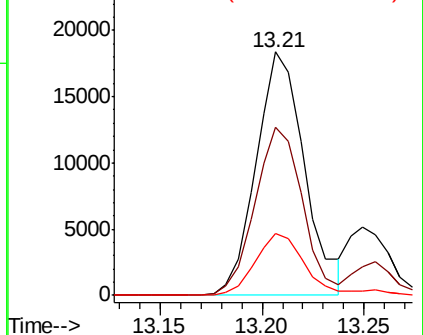
#83
tert-Butylbenzene
Concen: 5.480 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Instrument :
MSVOA_W
ClientSampled :
BFB

Tot Ion:119 Resp: 30464
Ion Ratio Lower Upper
119 100
91 67.7 33.1 99.5
134 26.7 13.9 41.6

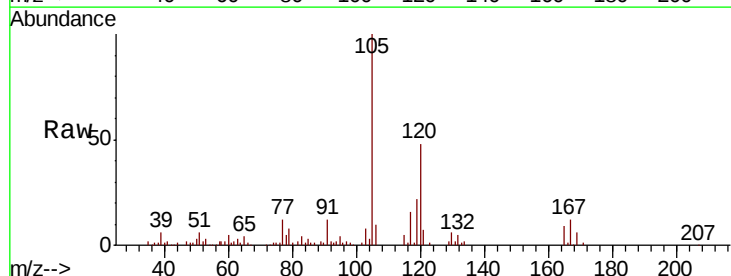


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

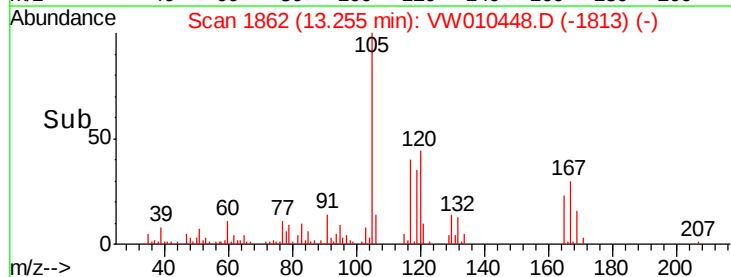
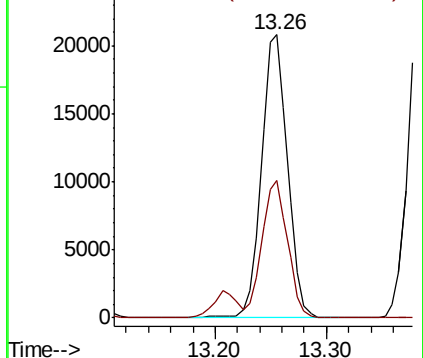


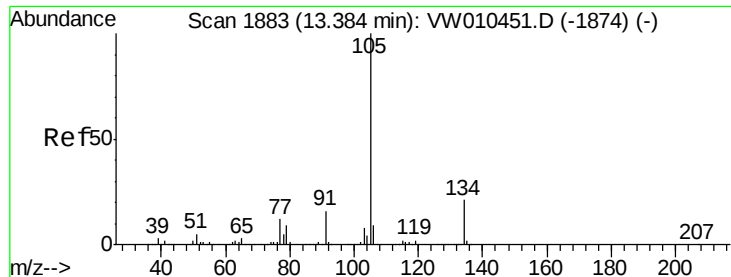
#84
1,2,4-Trimethylbenzene
Concen: 5.256 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion:105 Resp: 33961
Ion Ratio Lower Upper
105 100
120 47.5 23.4 70.2



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





#85

sec-Butylbenzene

Concen: 5.527 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampled :

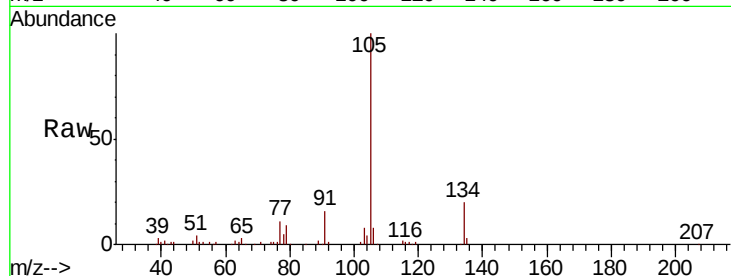
BFB

Tot Ion:105 Resp: 43217

Ion Ratio Lower Upper

105 100

134 19.4 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

30000

25000

20000

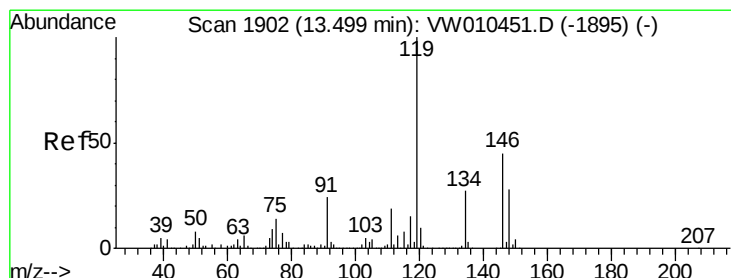
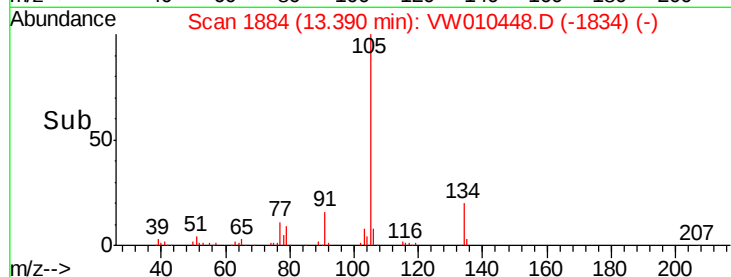
15000

10000

5000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 5.426 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

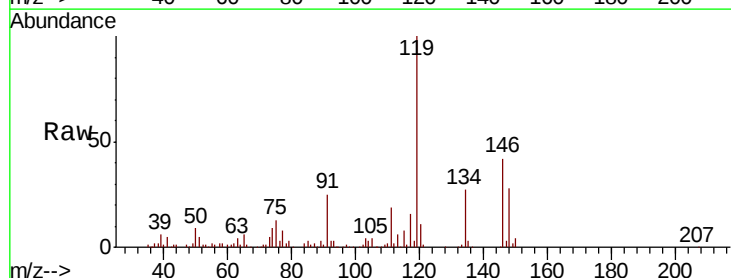
Tgt Ion:119 Resp: 38419

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 25.0 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

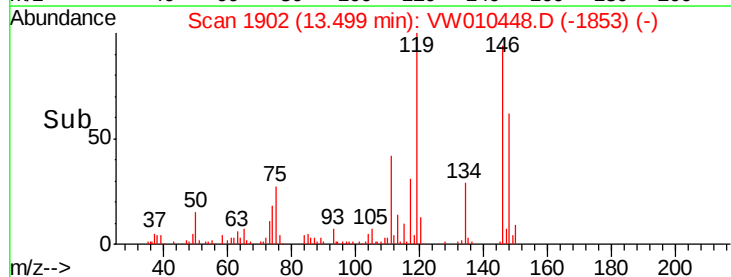
30000

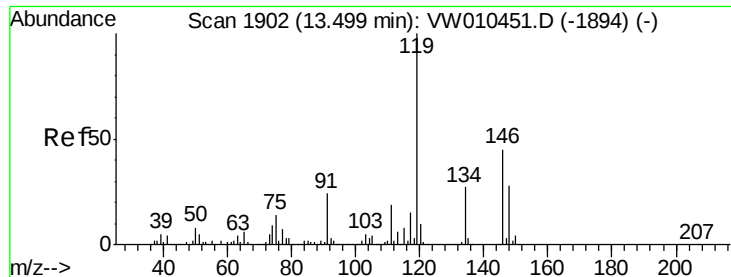
20000

10000

0

Time--> 13.40 13.50 13.60

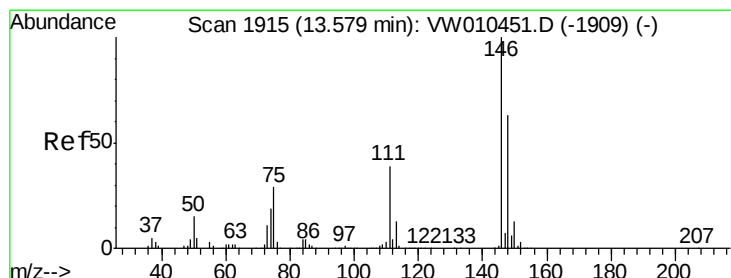
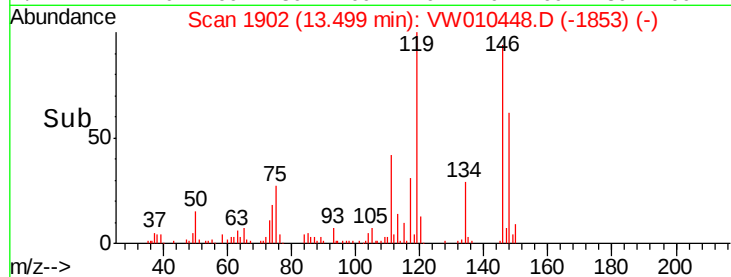
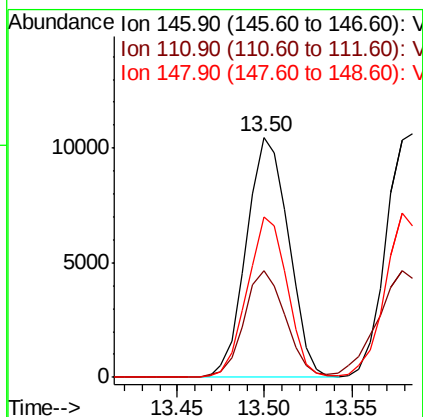
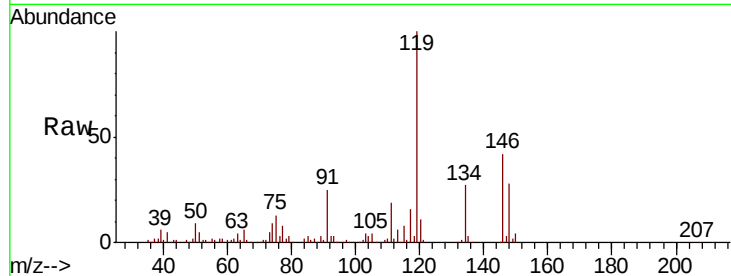




#87
 1,3-Dichlorobenzene
 Concen: 5.239 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

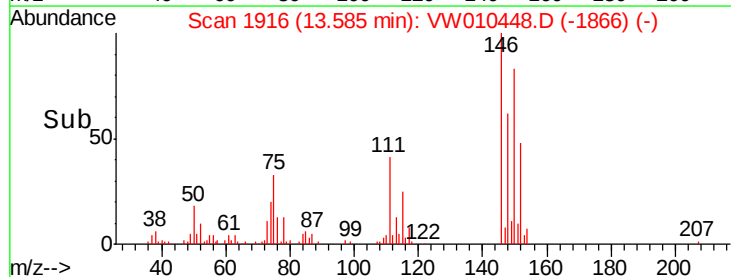
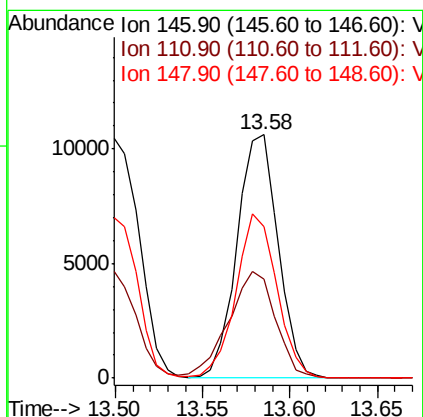
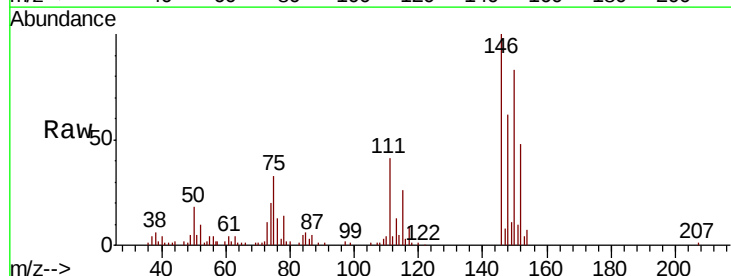
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

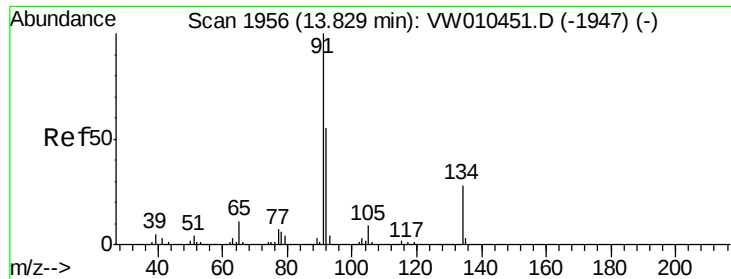
Tot Ion:146 Resp: 17564
 Ion Ratio Lower Upper
 146 100
 111 43.4 20.3 60.9
 148 63.5 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 5.200 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

Tgt Ion:146 Resp: 17398
 Ion Ratio Lower Upper
 146 100
 111 50.3 19.9 59.6
 148 67.0 31.6 94.8





#89

n-Butylbenzene

Concen: 5.425 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

BFB

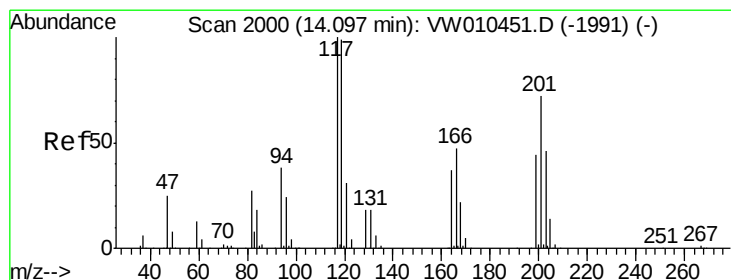
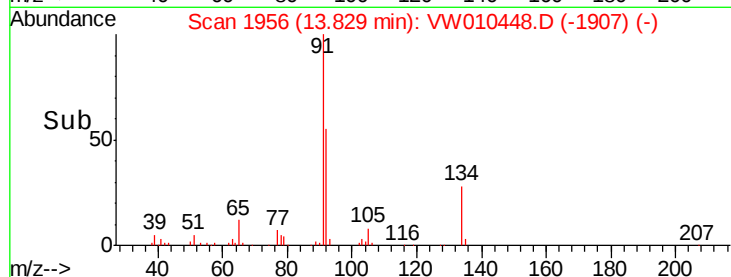
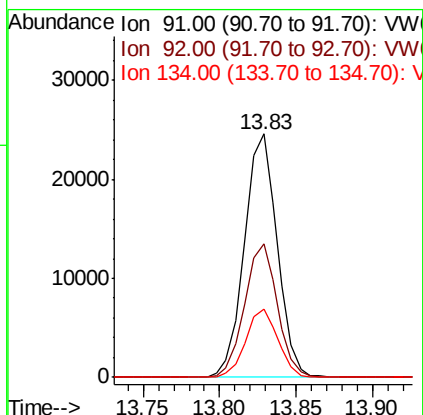
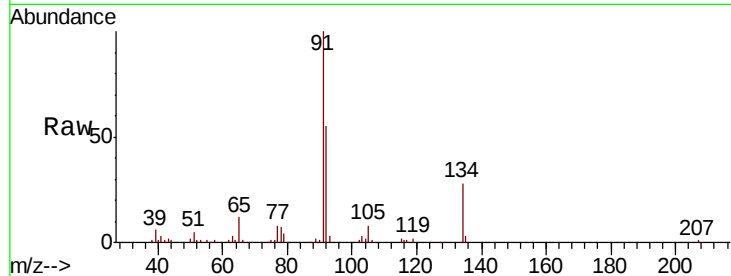
Tot Ion: 91 Resp: 36596

Ion Ratio Lower Upper

91 100

92 54.7 27.7 83.1

134 27.6 13.9 41.6



#90

Hexachloroethane

Concen: 4.907 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010448.D

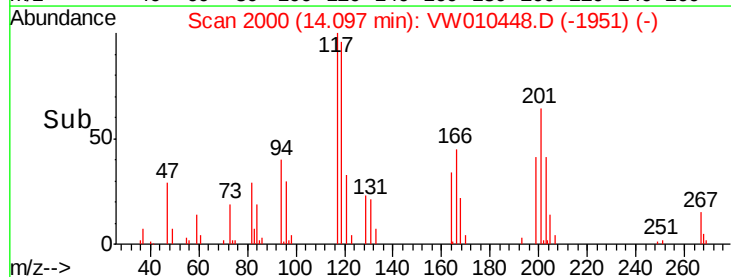
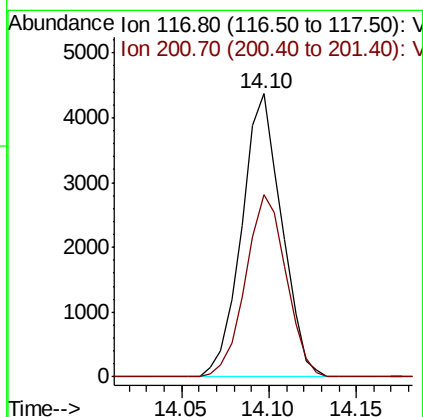
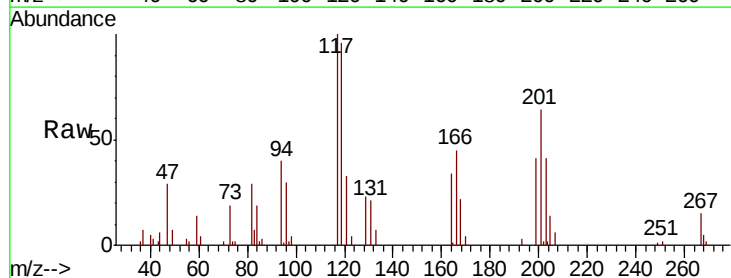
Acq: 20 May 2019 15:10

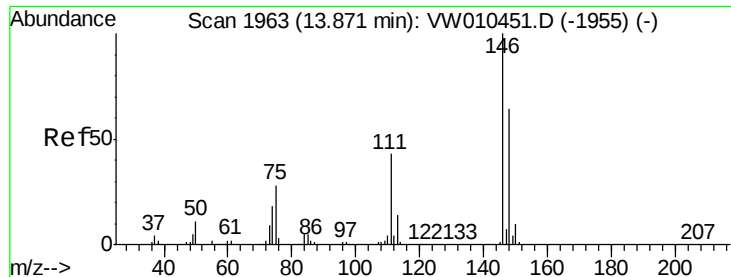
Tgt Ion: 117 Resp: 6959

Ion Ratio Lower Upper

117 100

201 65.3 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 5.213 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

BFB

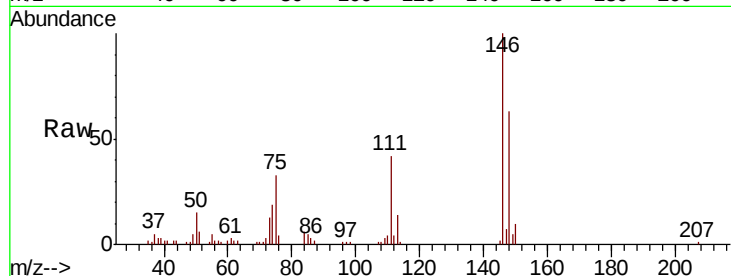
Tot Ion:146 Resp: 15828

Ion Ratio Lower Upper

146 100

111 44.2 21.3 64.0

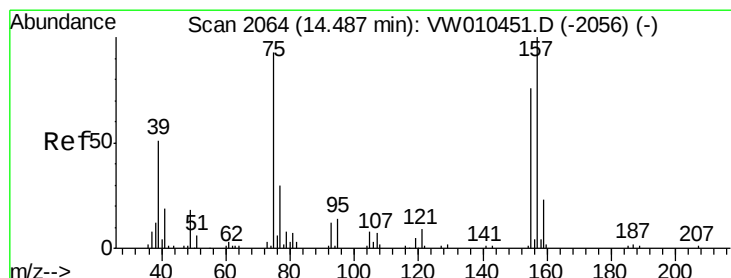
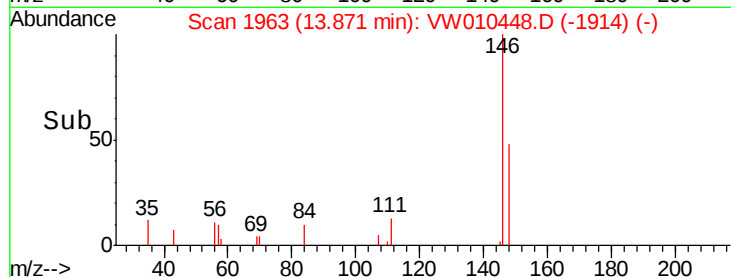
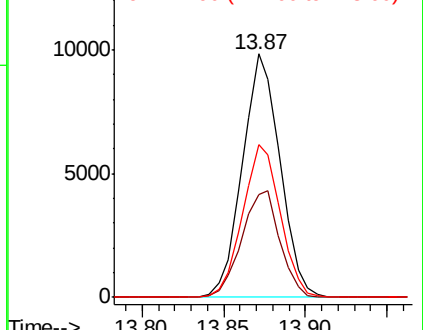
148 62.9 32.0 96.0



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: 4.843 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010448.D

Acq: 20 May 2019 15:10

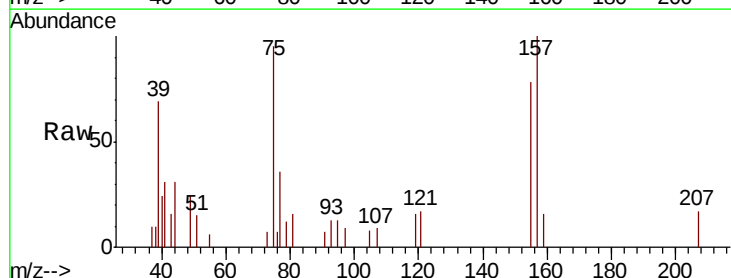
Tgt Ion: 75 Resp: 1352

Ion Ratio Lower Upper

75 100

155 80.4 43.0 129.0

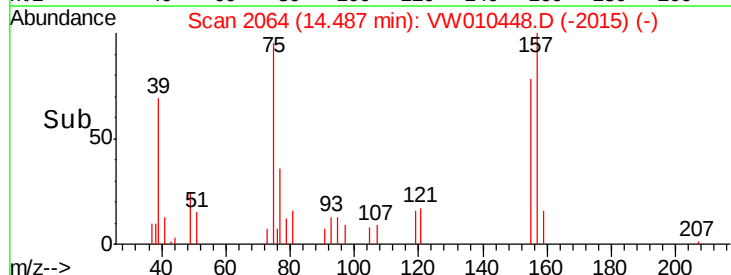
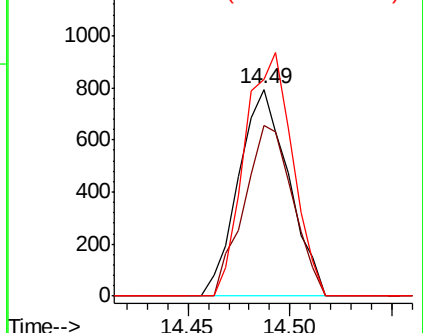
157 112.4 55.7 167.1

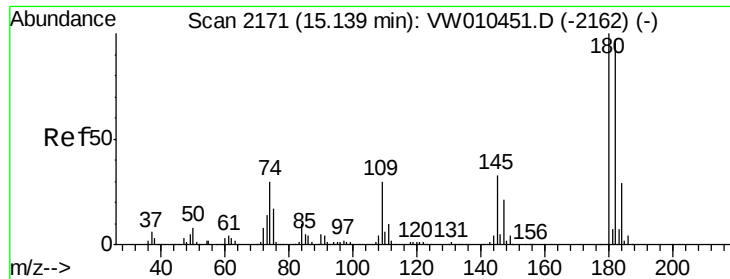


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

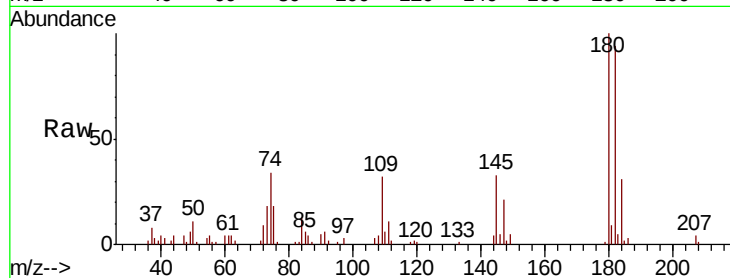




#93
 1,2,4-Trichlorobenzene
 Concen: 5.247 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.0	141.2
145	34.4	16.7	50.0

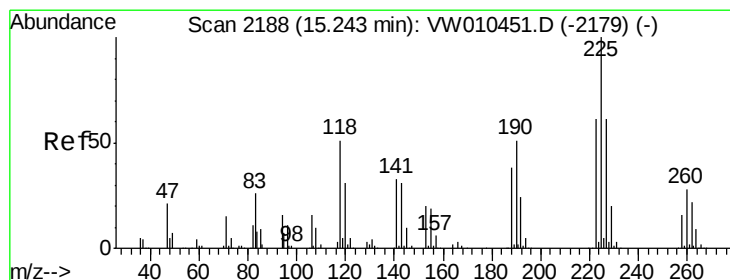
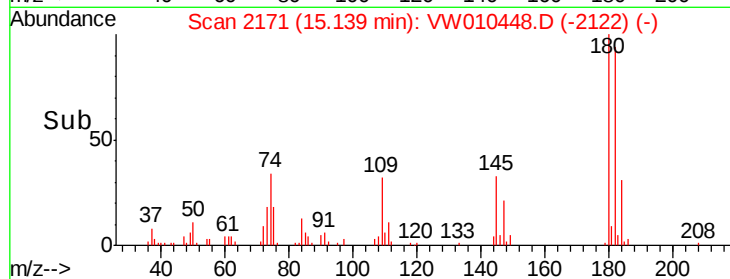
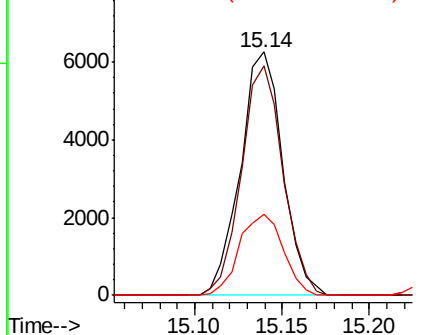


Abundance

Ion 179.80 (179.50 to 180.50): V

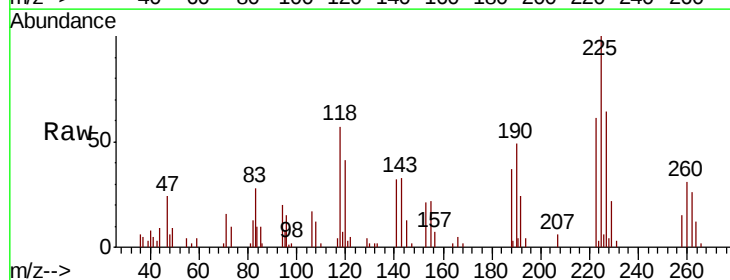
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.253 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010448.D
 Acq: 20 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.8	31.1	93.2
227	64.5	31.1	93.5

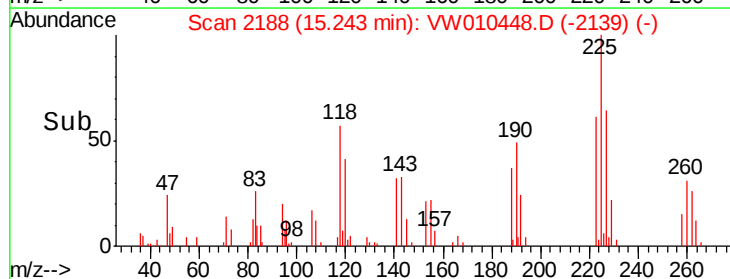
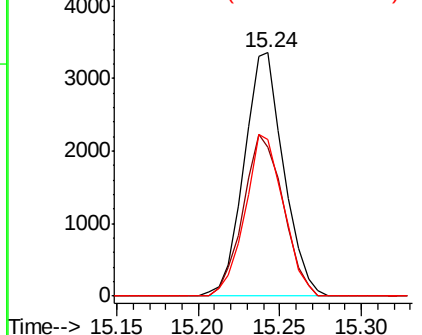


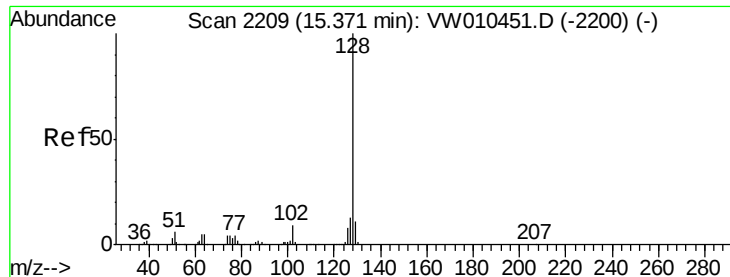
Abundance

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

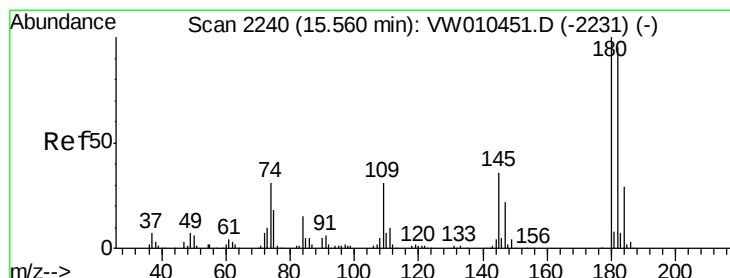
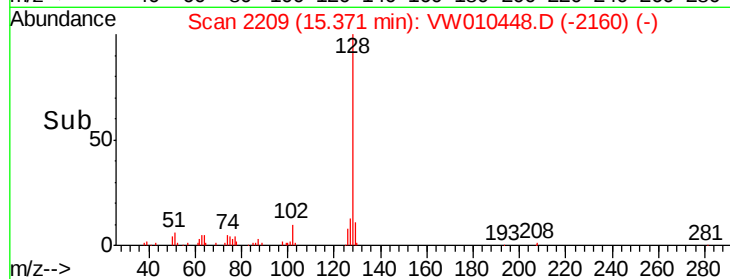
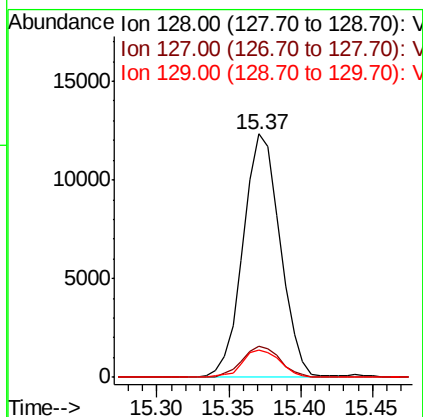
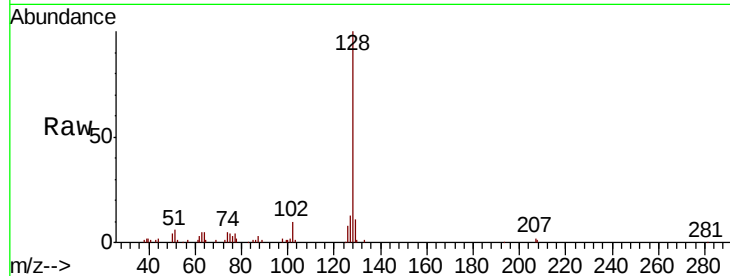




#95
Naphthalene
Concen: 4.935 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tot Ion:128 Resp: 22050
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 11.4 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 5.037 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010448.D
Acq: 20 May 2019 15:10

Tgt Ion:180 Resp: 8879
Ion Ratio Lower Upper
180 100
182 93.5 47.1 141.3
145 37.5 17.4 52.3

