

Data File : VW012855.D
Acq On : 10 Sep 2019 06:40
Operator : SY/VA
Sample : K4644-15
Misc : 6.11G/5ML/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Quant Time: Sep 10 08:21:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	255184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	382563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	87578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	139185	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.88	113	113506	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.32	98	450601	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.62	95	118837	36.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.48%	

Target Compounds

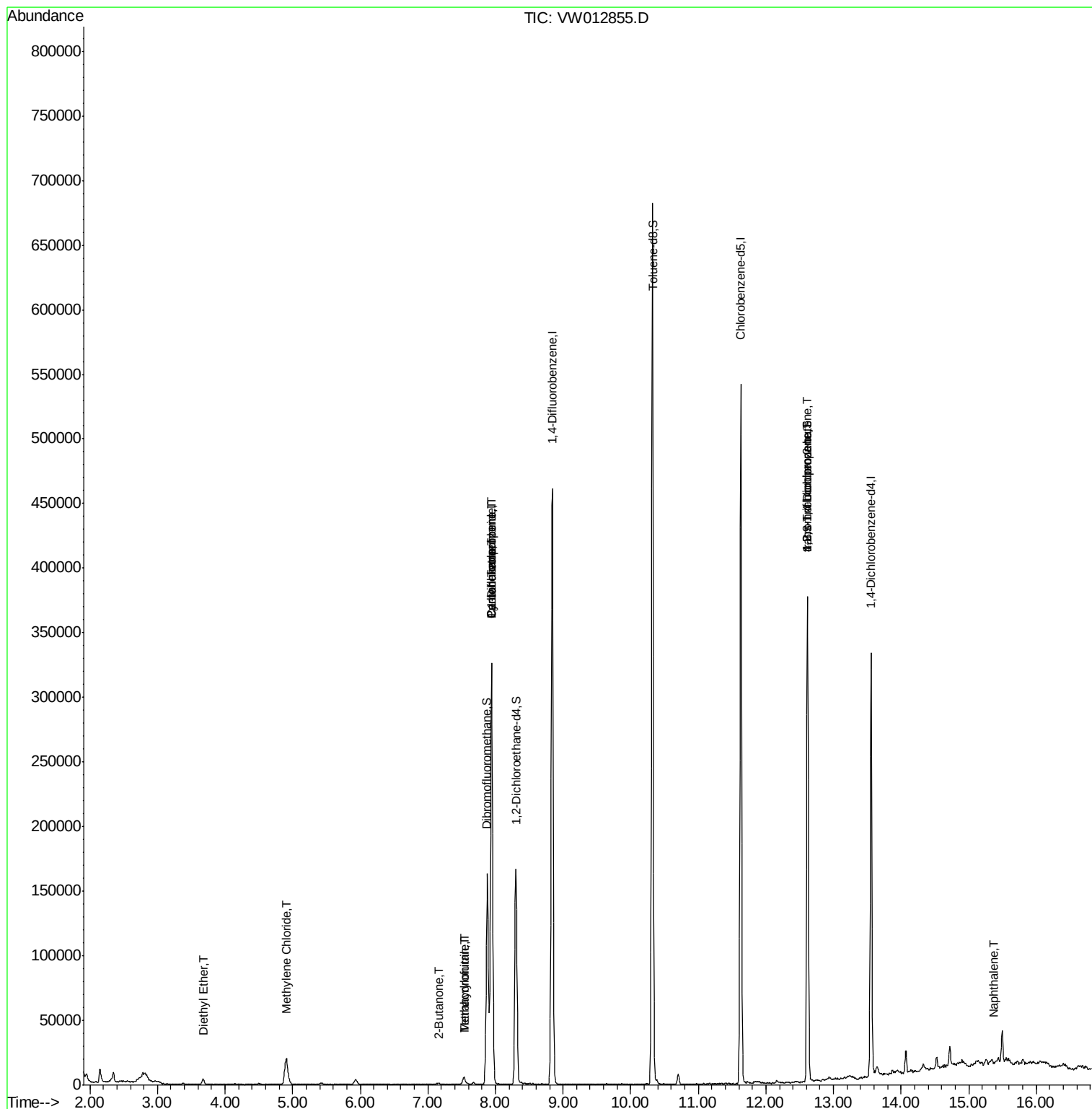
						Qvalue
8) Diethyl Ether	3.68	74	2174	1.818	ug/l	97
20) Methylene Chloride	4.92	84	14830	6.098	ug/l #	78
25) 2-Butanone	7.15	43	19	19.696	ug/l #	53
29) Tetrahydrofuran	7.53	42	5174	8.243	ug/l	97
31) Cyclohexane	7.94	56	5399	1.288	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18627	5.480	ug/l #	52
38) Carbon Tetrachloride	7.94	117	24361	7.270	ug/l #	16
41) Methacrylonitrile	7.53	41	3168	5.824	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	62367	69.643	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62367	147.300	ug/l #	7
95) Naphthalene	15.38	128	336	4.522	ug/l #	76

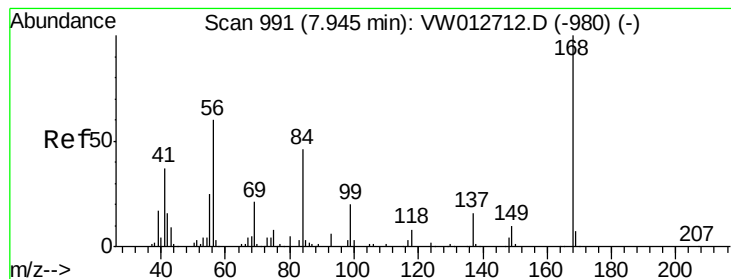
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012855.D

Acq: 10 Sep 2019 06:40

Instrument :

MSVOA_W

ClientSampled :

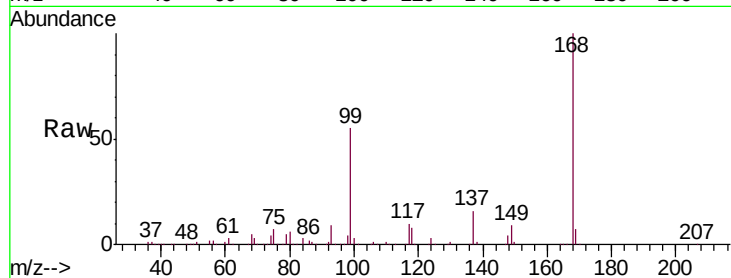
BFB

Tgt Ion:168 Resp: 255184

Ion Ratio Lower Upper

168 100

99 54.8 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

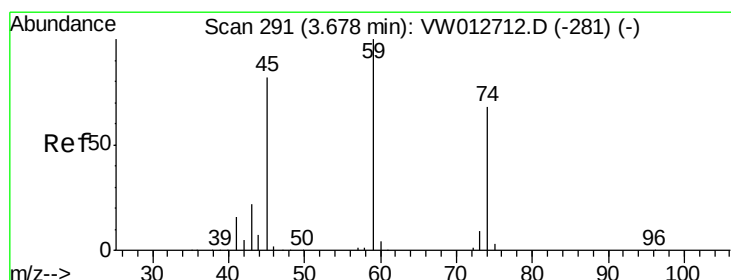
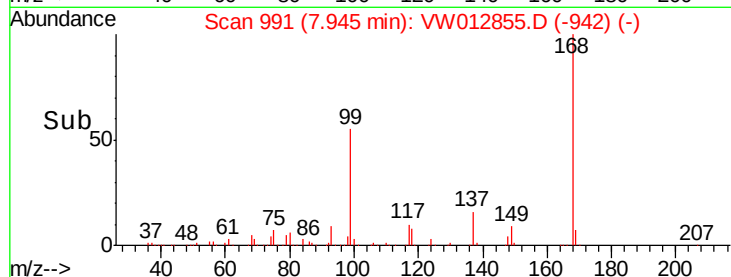
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.818 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012855.D

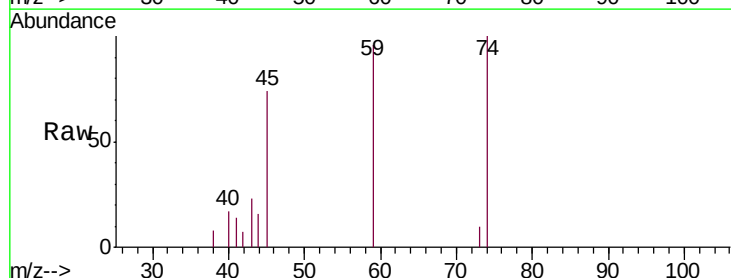
Acq: 10 Sep 2019 06:40

Tgt Ion: 74 Resp: 2174

Ion Ratio Lower Upper

74 100

45 121.1 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

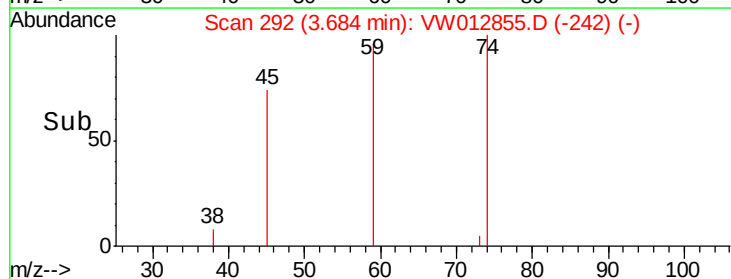
600

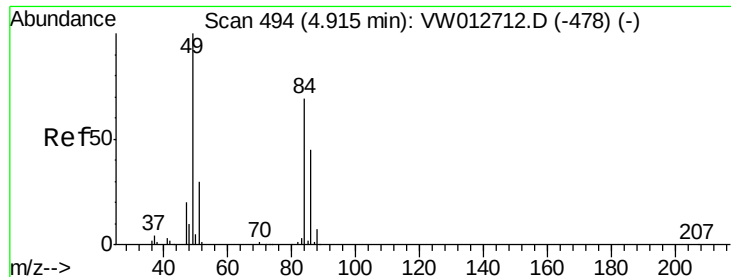
400

200

0

Time-->

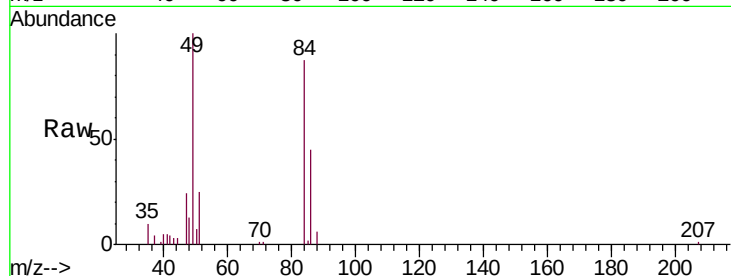




#20
Methylene Chloride
Concen: 6.098 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012855.D
Acq: 10 Sep 2019 06:40

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion: 84 Resp: 14830
Ion Ratio Lower Upper
84 100
49 115.1 115.4 173.0#
51 28.4 34.9 52.3#
86 52.0 52.2 78.4#



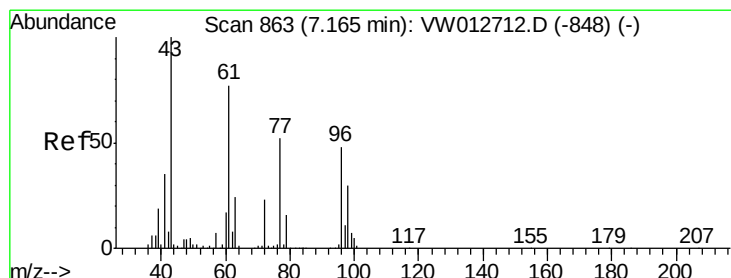
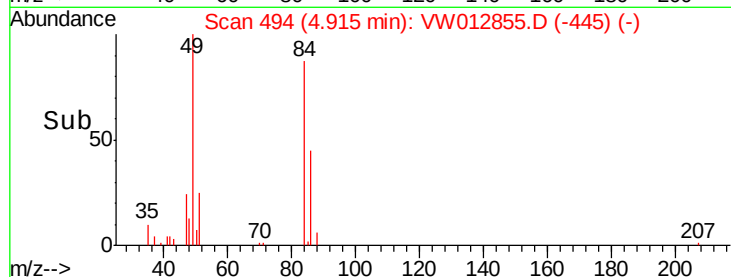
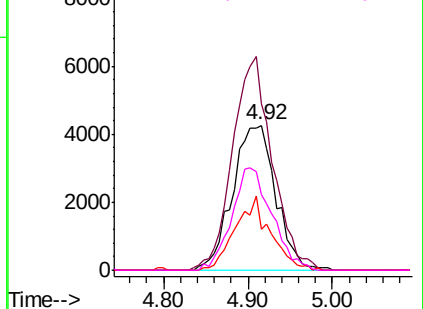
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

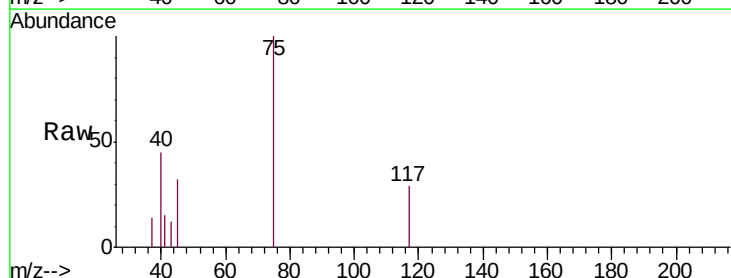
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 19.696 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW012855.D
Acq: 10 Sep 2019 06:40

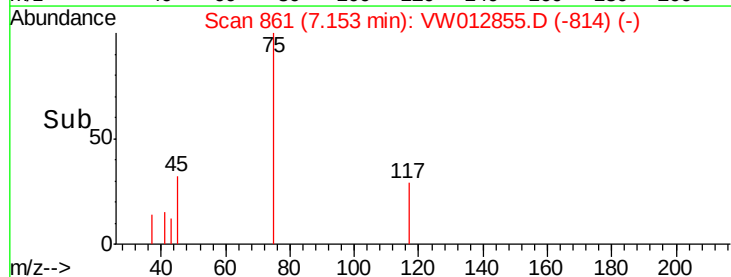
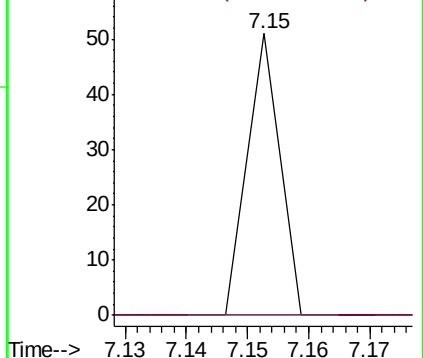
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#

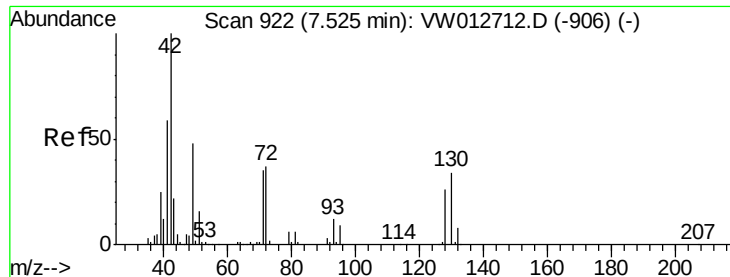


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 8.243 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012855.D

Acq: 10 Sep 2019 06:40

Instrument :

MSVOA_W

ClientSampled :

BFB

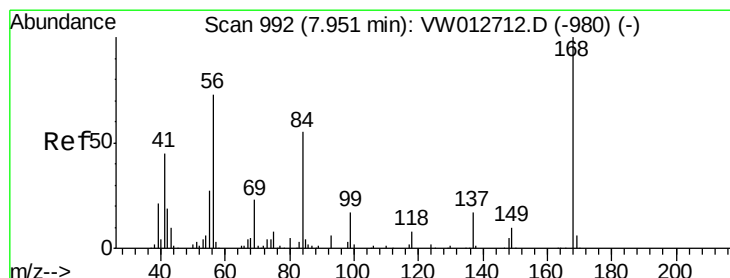
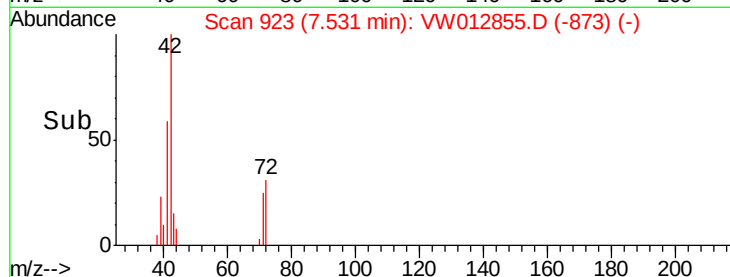
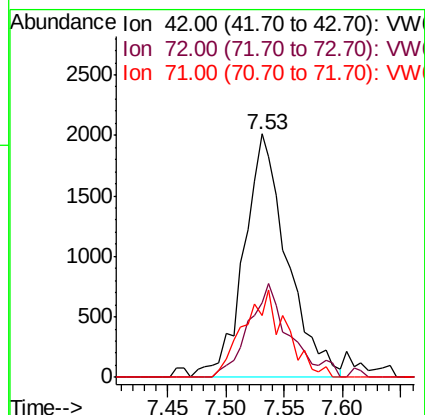
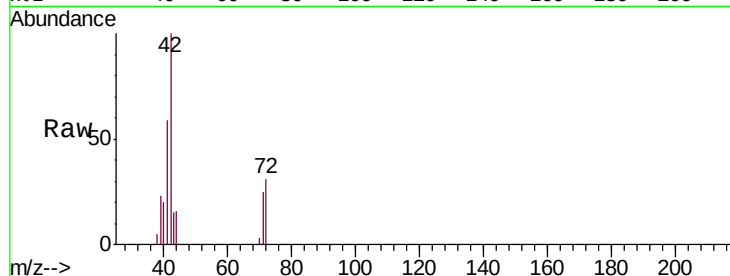
Tgt Ion: 42 Resp: 5174

Ion Ratio Lower Upper

42 100

72 36.9 28.4 42.6

71 35.6 27.1 40.7



#31

Cyclohexane

Concen: 1.288 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012855.D

Acq: 10 Sep 2019 06:40

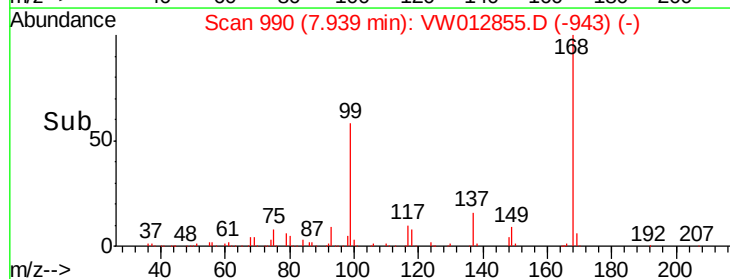
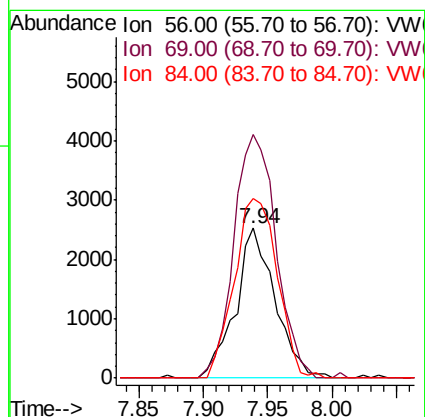
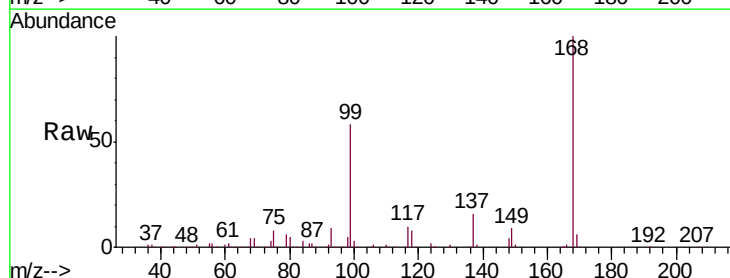
Tgt Ion: 56 Resp: 5399

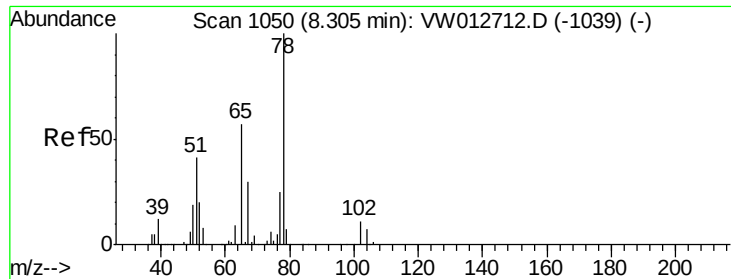
Ion Ratio Lower Upper

56 100

69 162.6 25.7 38.5#

84 119.9 60.4 90.6#

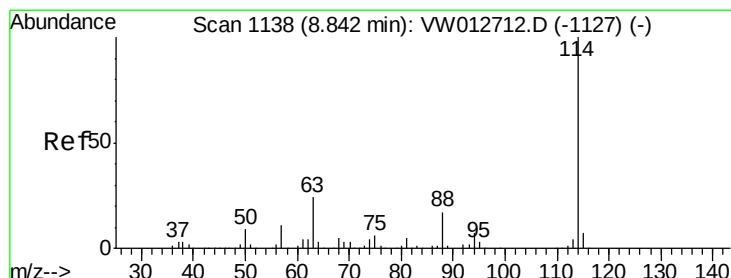
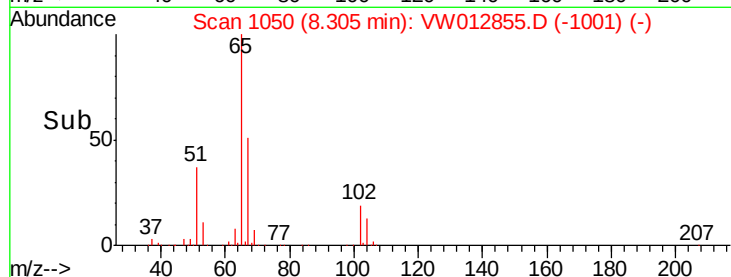
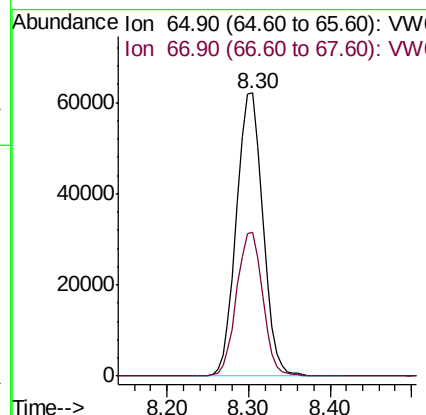
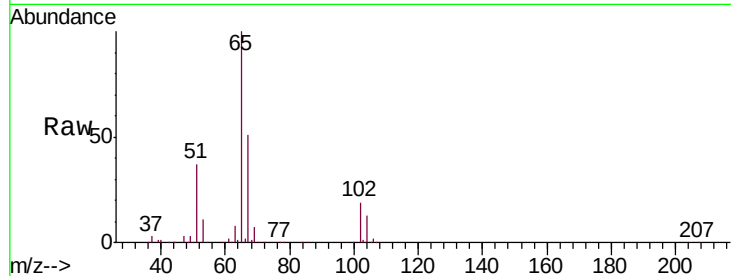




#33
 1,2-Dichloroethane-d4
 Concen: 48.815 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012855.D
 Acq: 10 Sep 2019 06:40

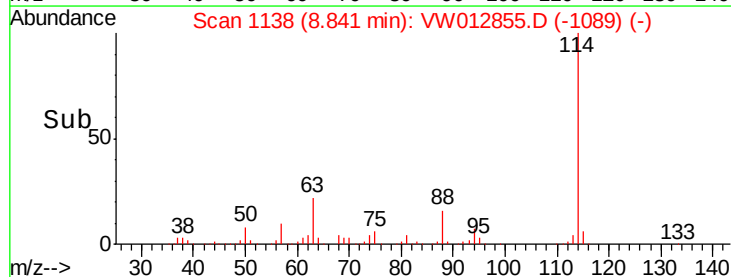
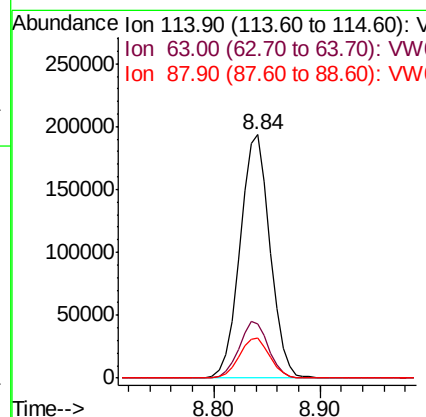
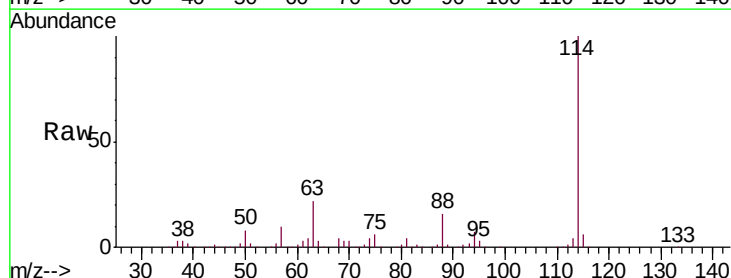
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

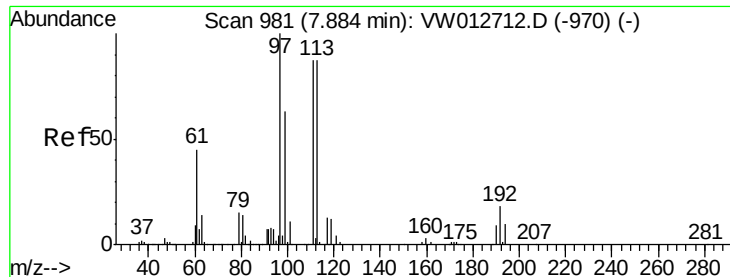
Tgt Ion: 65 Resp: 139185
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012855.D
 Acq: 10 Sep 2019 06:40

Tgt Ion: 114 Resp: 382563
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.2
 88 16.4 0.0 34.0

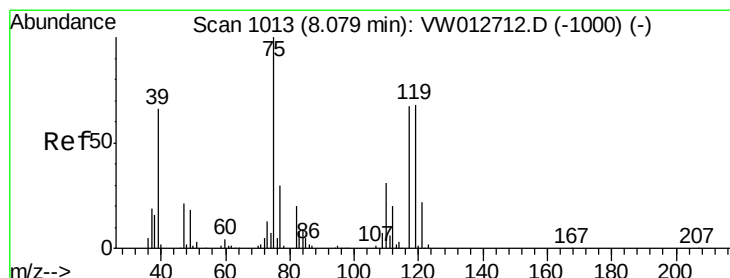
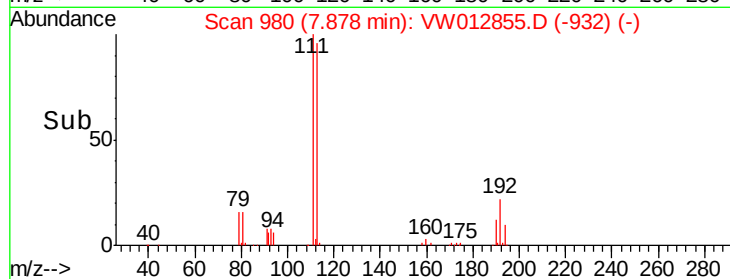
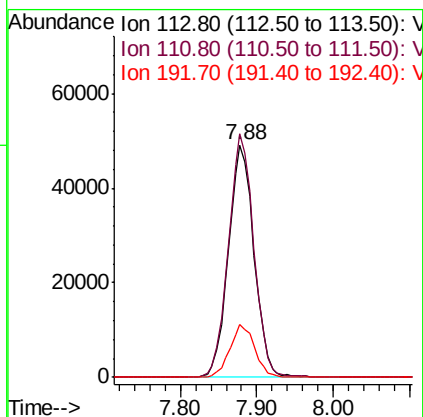
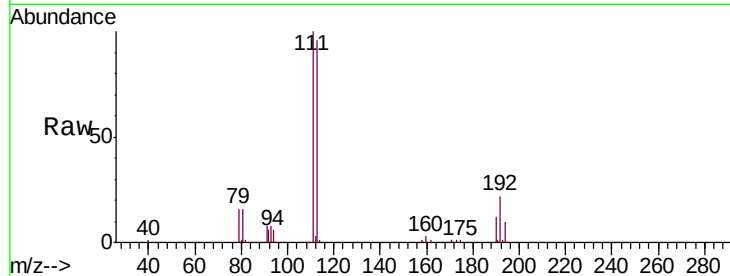




#35
 Dibromofluoromethane
 Concen: 49.905 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012855.D
 Acq: 10 Sep 2019 06:40

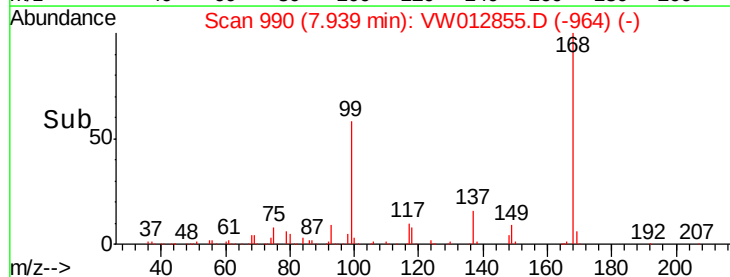
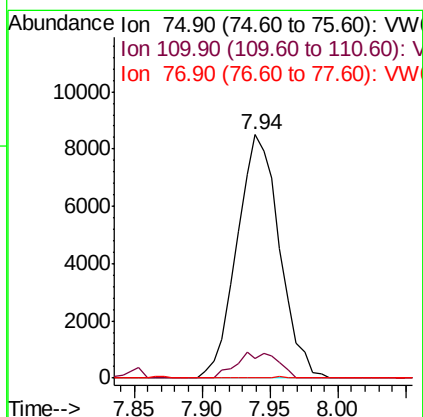
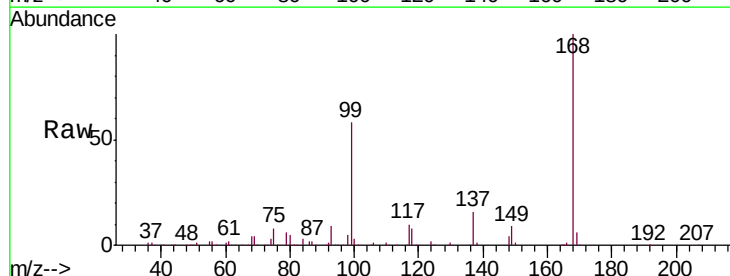
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

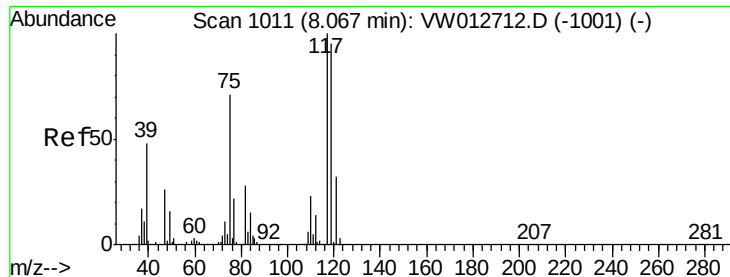
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.2	120.4
192	22.1	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 5.480 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012855.D
 Acq: 10 Sep 2019 06:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	15.9	47.7#
77	0.0	25.0	37.4#

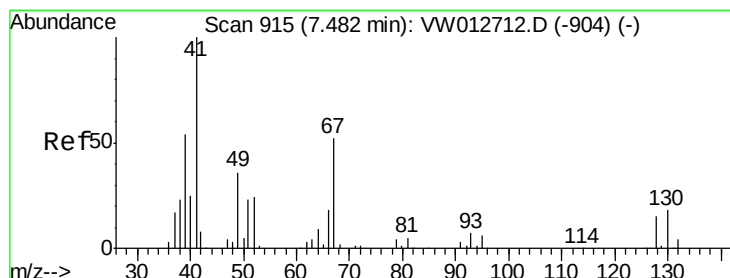
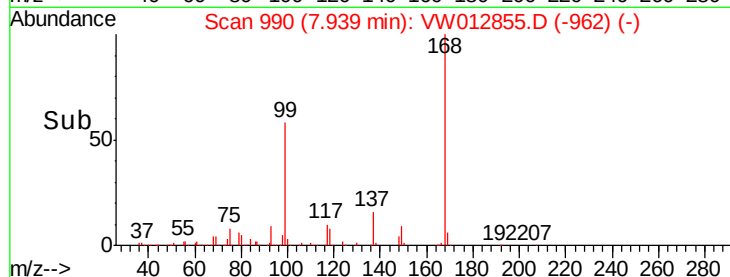
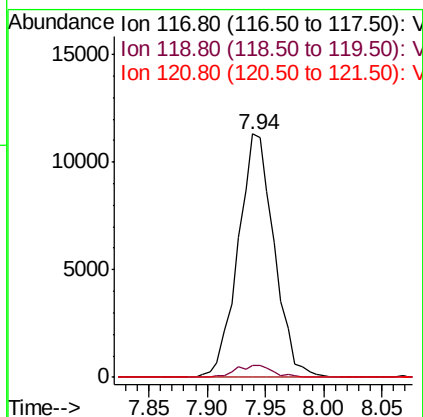
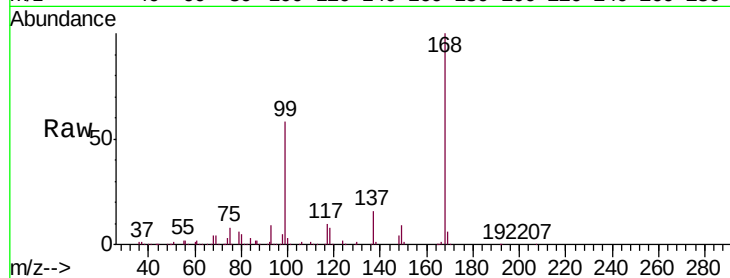




#38
Carbon Tetrachloride
Concen: 7.270 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW012855.D
Acq: 10 Sep 2019 06:40

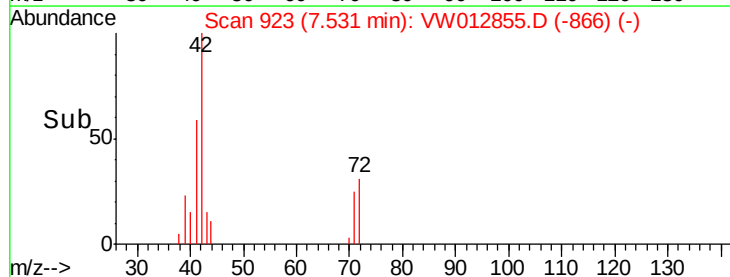
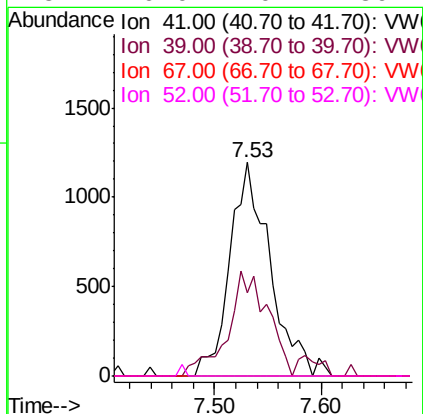
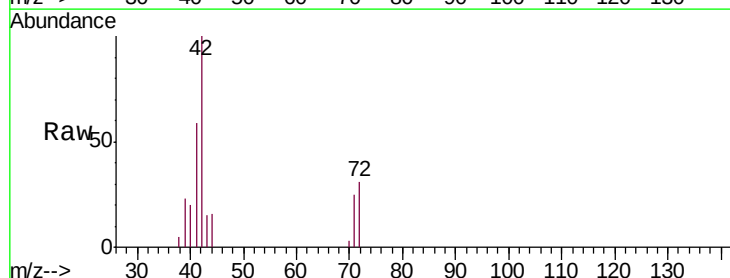
Instrument :
MSVOA_W
ClientSampled :
BFB

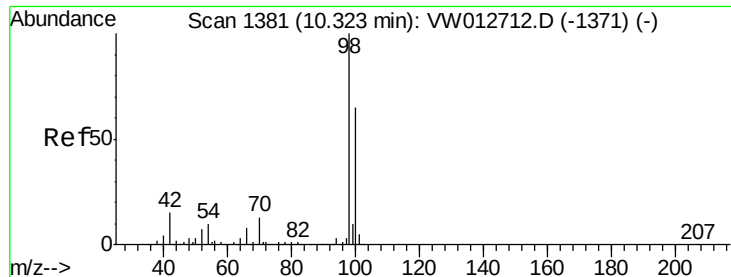
Tgt Ion: 117 Resp: 24361
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 25.4 38.2#



#41
Methacrylonitrile
Concen: 5.824 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012855.D
Acq: 10 Sep 2019 06:40

Tgt Ion: 41 Resp: 3168
Ion Ratio Lower Upper
41 100
39 48.5 47.5 71.3
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#





#50

Toluene-d8

Concen: 50.568 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012855.D

Acq: 10 Sep 2019 06:40

Instrument :

MSVOA_W

ClientSampleId :

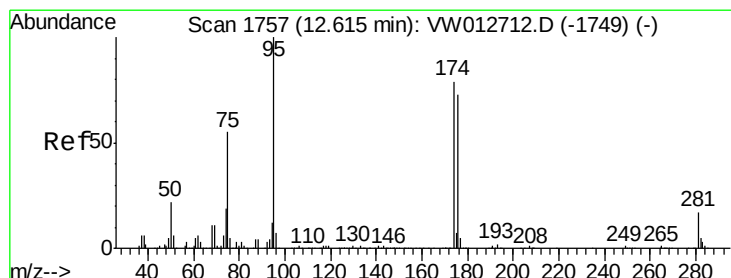
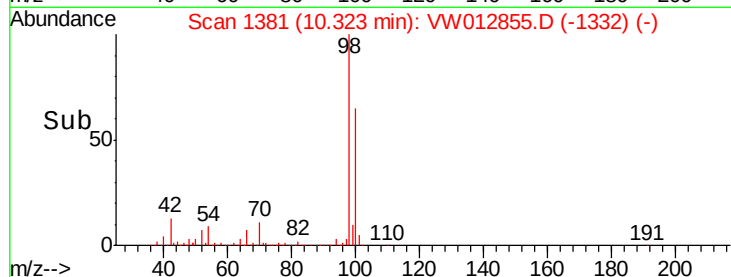
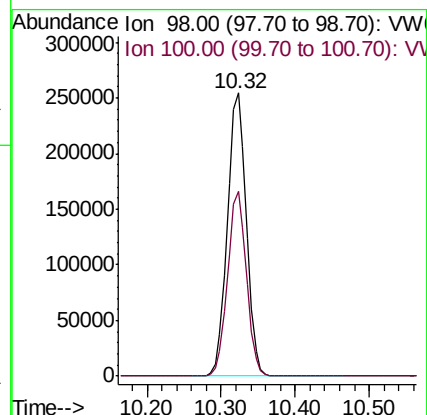
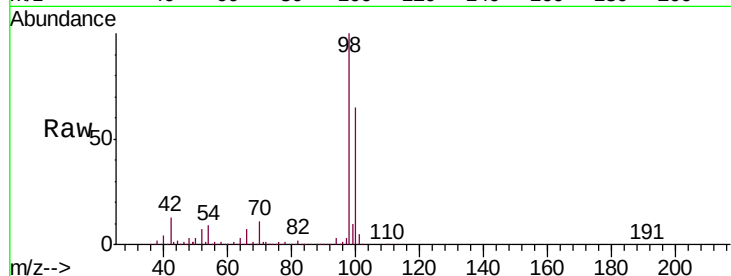
BFB

Tgt Ion: 98 Resp: 450601

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 36.736 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012855.D

Acq: 10 Sep 2019 06:40

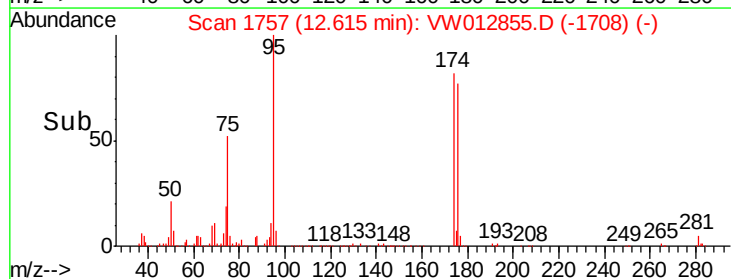
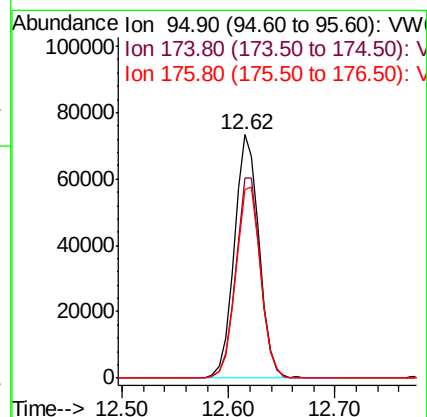
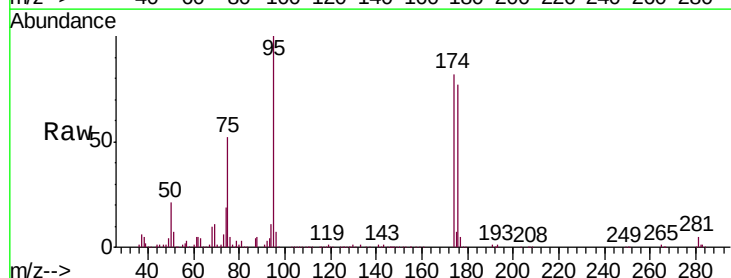
Tgt Ion: 95 Resp: 118837

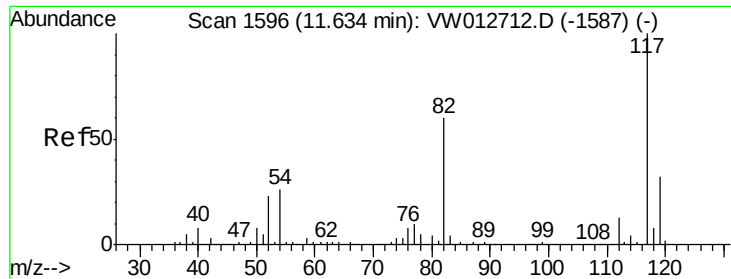
Ion Ratio Lower Upper

95 100

174 82.7 0.0 161.0

176 79.6 0.0 156.4

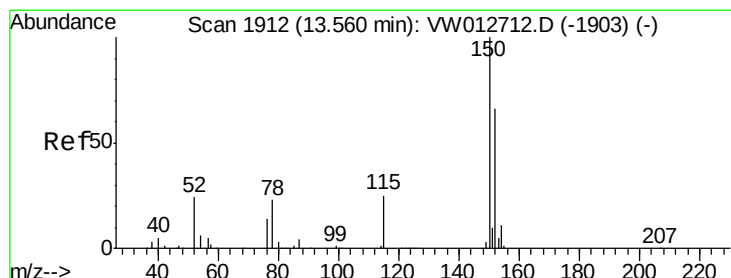
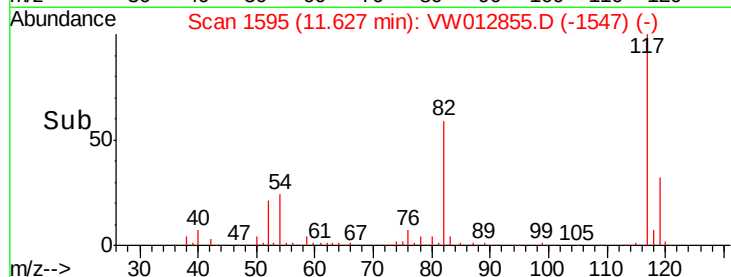
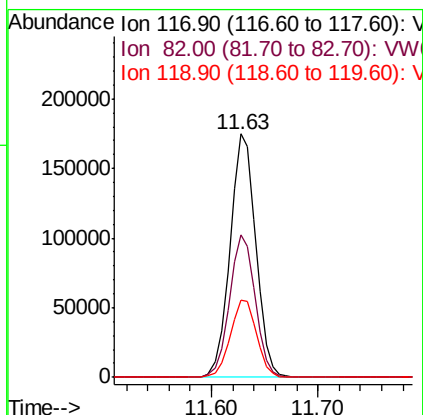
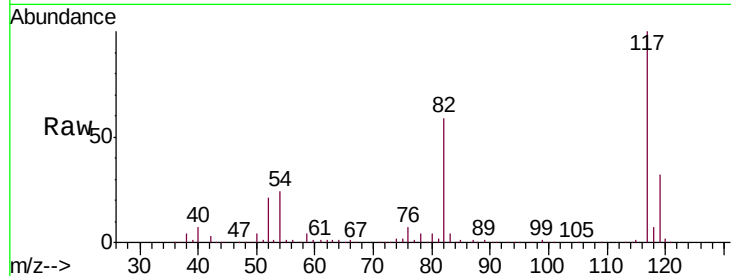




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012855.D
Acq: 10 Sep 2019 06:40

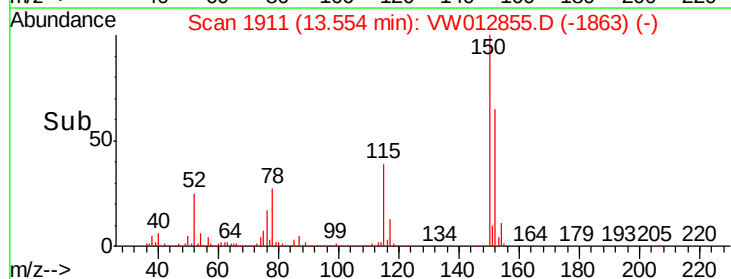
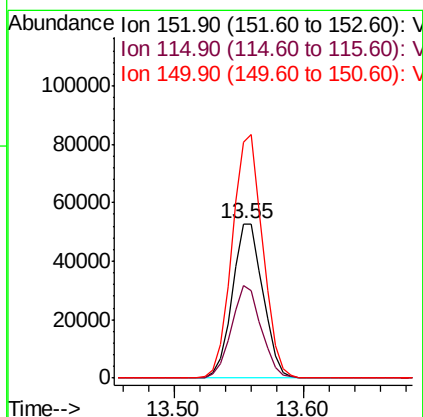
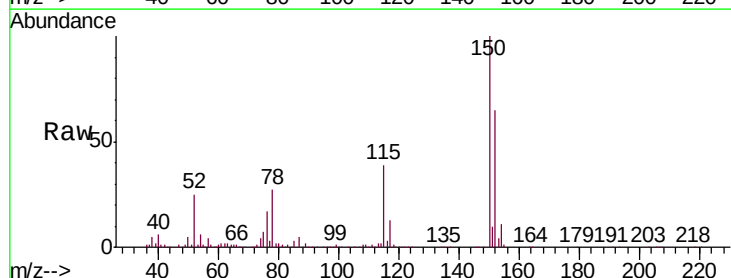
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MSVOA_W
ClientSampleId :
BFB

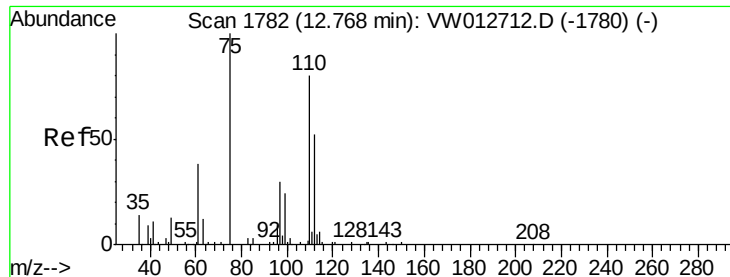
Tgt Ion:117 Resp: 296239
Ion Ratio Lower Upper
117 100
82 58.5 48.2 72.4
119 31.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012855.D
Acq: 10 Sep 2019 06:40

Tgt Ion:152 Resp: 87578
Ion Ratio Lower Upper
152 100
115 58.3 30.0 90.1
150 157.1 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 69.643 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012855.D

Acq: 10 Sep 2019 06:40

Instrument :

MSVOA_W

ClientSampleId :

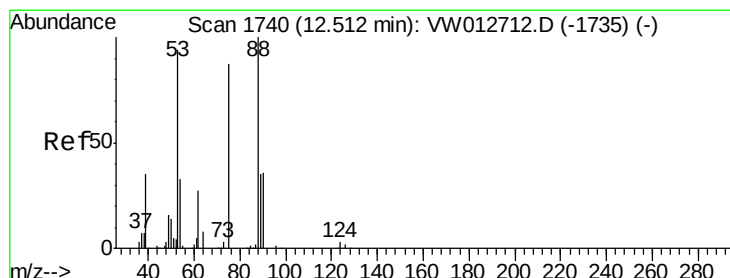
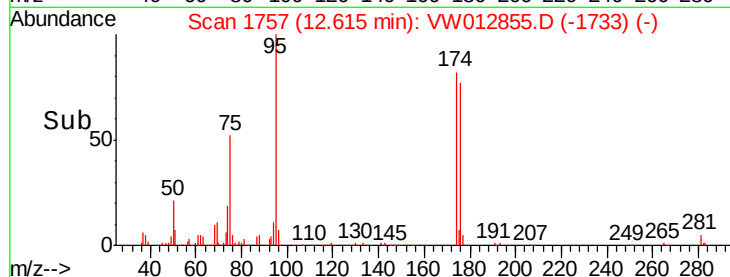
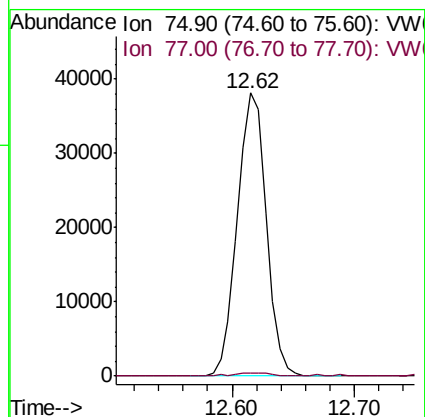
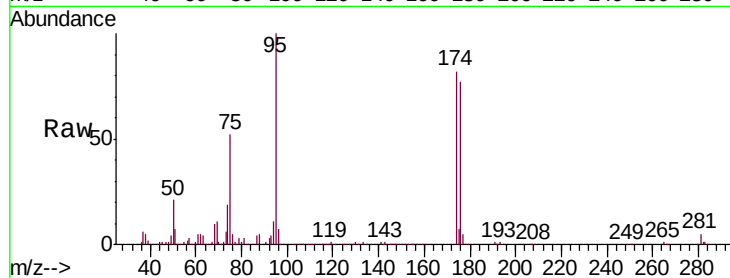
BFB

Tgt Ion: 75 Resp: 62367

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.300 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012855.D

Acq: 10 Sep 2019 06:40

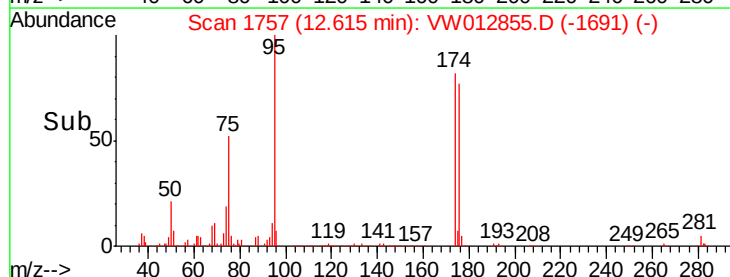
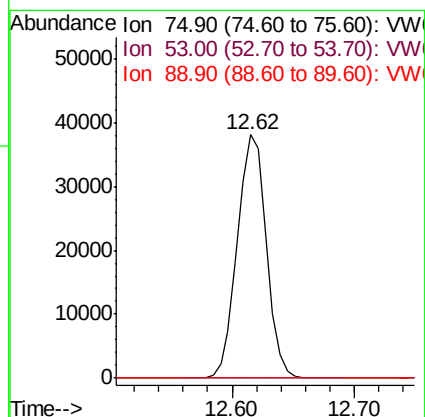
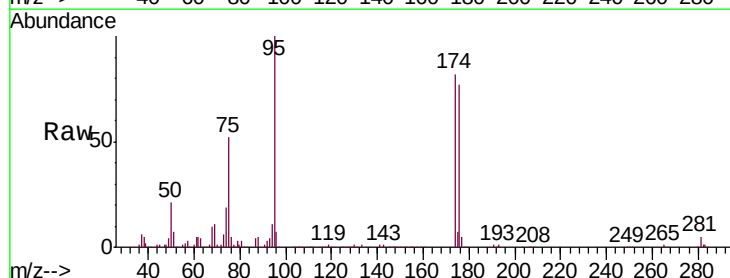
Tgt Ion: 75 Resp: 62367

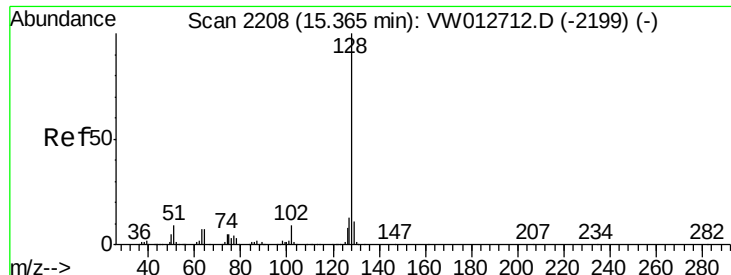
Ion Ratio Lower Upper

75 100

53 0.3 87.6 131.4#

89 0.0 35.5 53.3#





#95
Naphthalene
Concen: 4.522 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012855.D
Acq: 10 Sep 2019 06:40

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	6.5	8.7	13.1#

