

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012968.D
 Acq On : 13 Sep 2019 22:16
 Operator : SY/VA
 Sample : K4719-06
 Misc : 3.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-3-(0)-BRUCKNER

Quant Time: Sep 14 04:59:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	240876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69169	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	132832	59.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.42%	
35) Dibromofluoromethane	7.88	113	110454	56.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.48%	
50) Toluene-d8	10.32	98	399660	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.62	95	92664	33.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.06%	

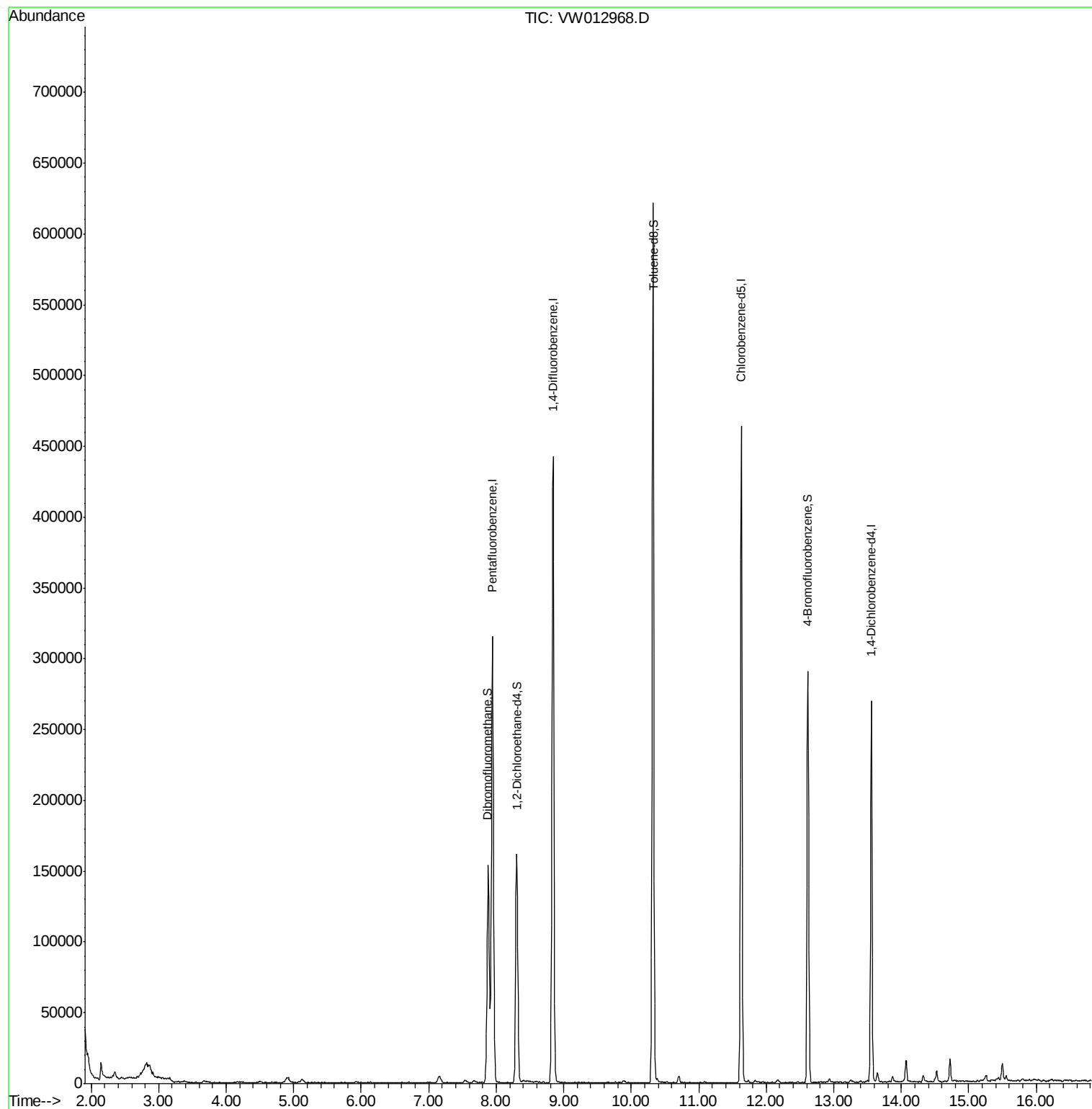
Target Compounds	Qvalue
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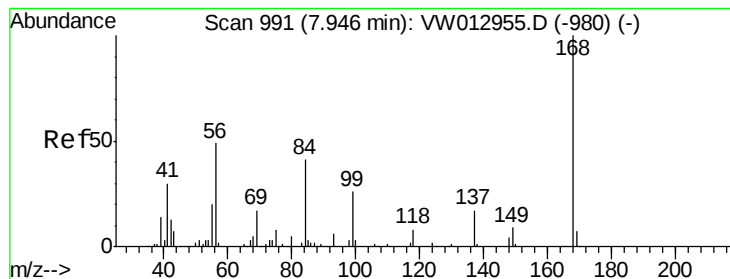
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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Acq: 13 Sep 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

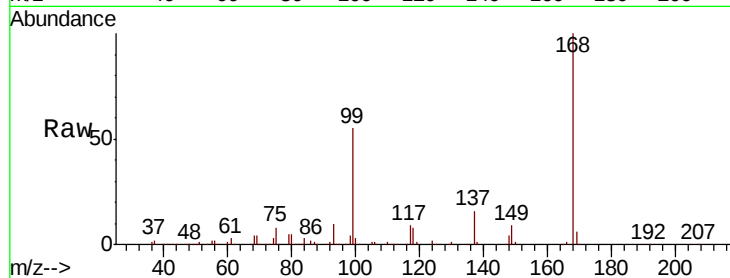
T4-3-(0)-BRUCKNER

Tgt Ion:168 Resp: 240876

Ion Ratio Lower Upper

168 100

99 54.8 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

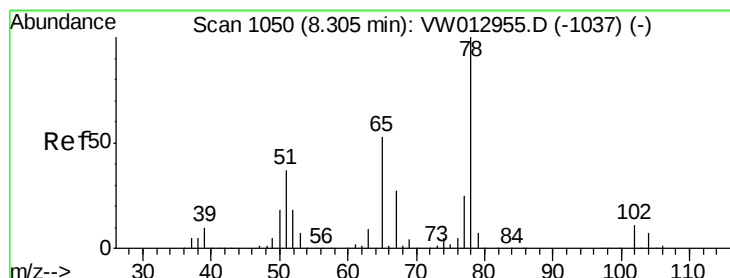
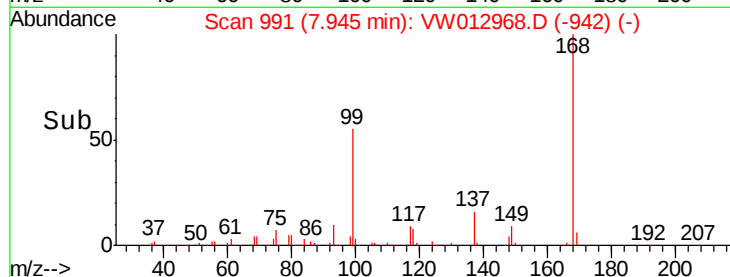
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 59.709 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012968.D

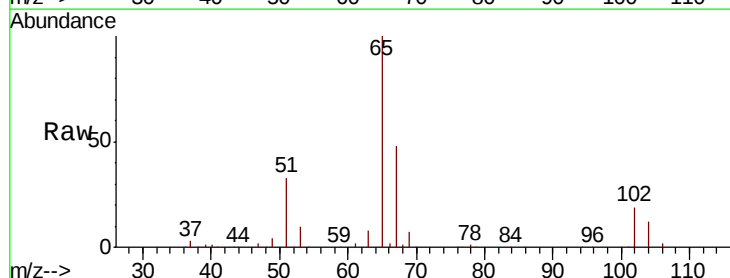
Acq: 13 Sep 2019 22:16

Tgt Ion: 65 Resp: 132832

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

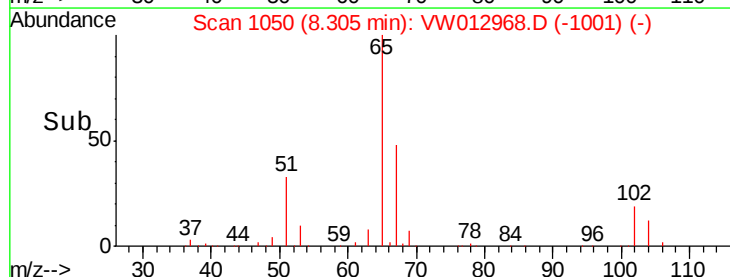
60000

40000

20000

0

Time-->

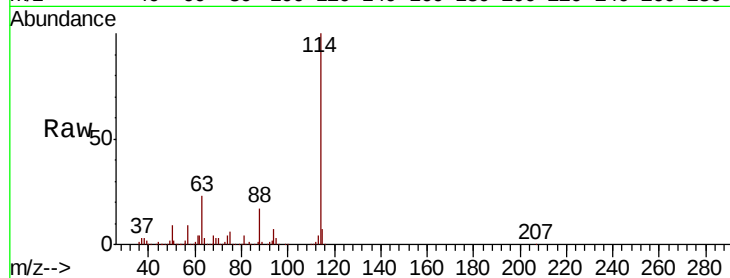




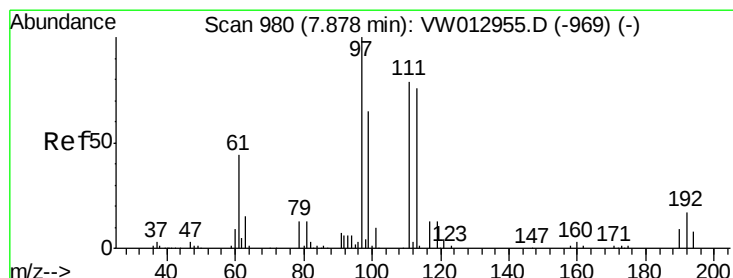
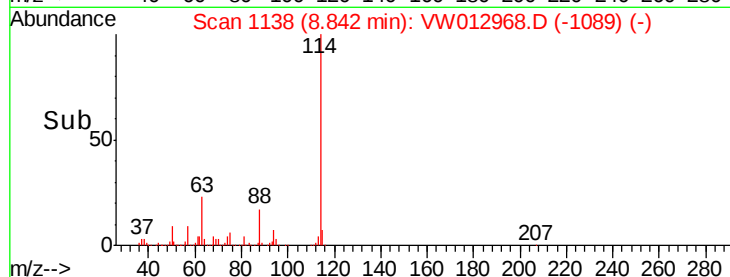
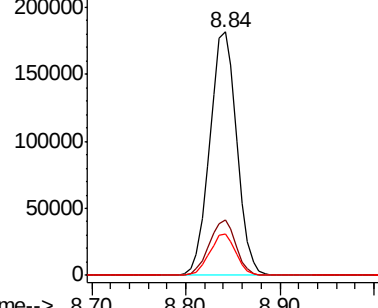
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW012968.D
Acq: 13 Sep 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
T4-3-(0)-BRUCKNER

Tgt Ion:114 Resp: 361939
Ion Ratio Lower Upper
114 100
63 22.5 0.0 43.4
88 17.1 0.0 31.6

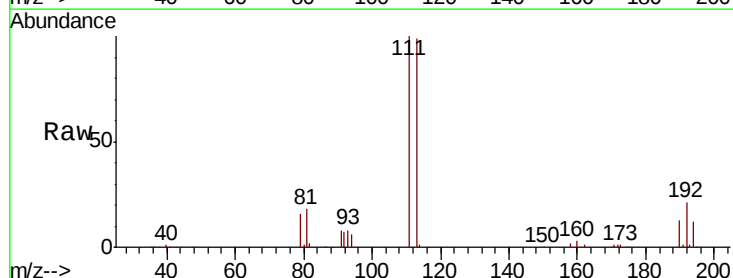


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

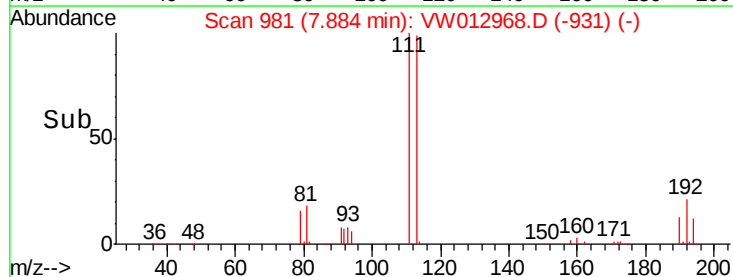
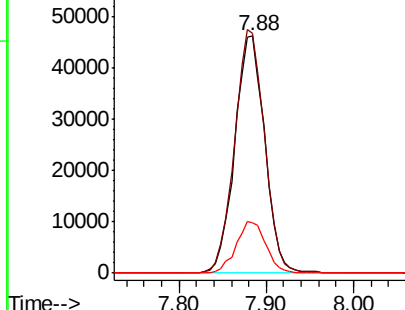


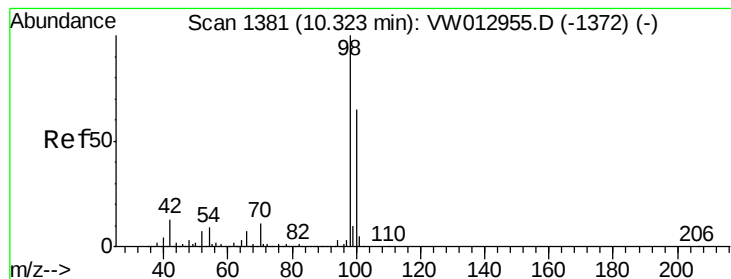
#35
Dibromofluoromethane
Concen: 56.242 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW012968.D
Acq: 13 Sep 2019 22:16

Tgt Ion:113 Resp: 110454
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 21.6 17.8 26.8



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





#50

Toluene-d8

Concen: 52.005 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012968.D

Acq: 13 Sep 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

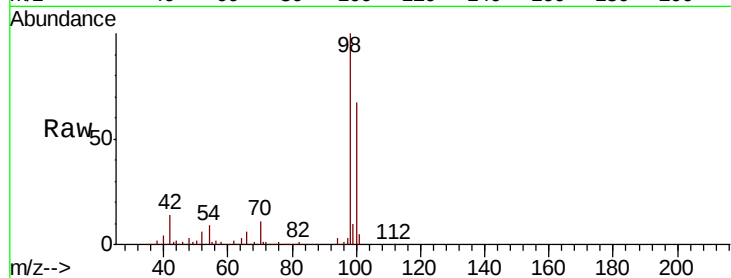
T4-3-(0)-BRUCKNER

Tgt Ion: 98 Resp: 399660

Ion Ratio Lower Upper

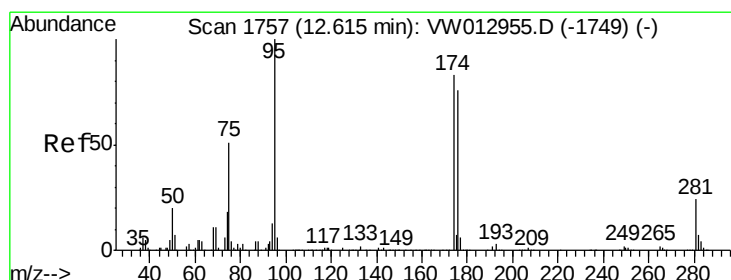
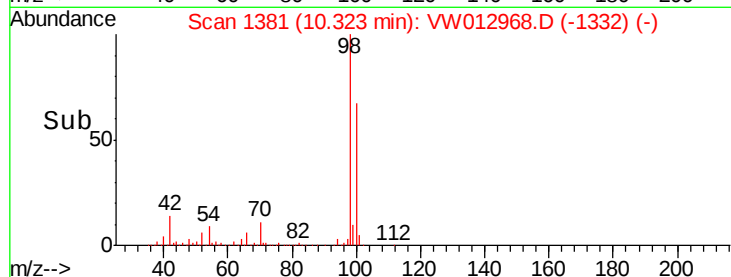
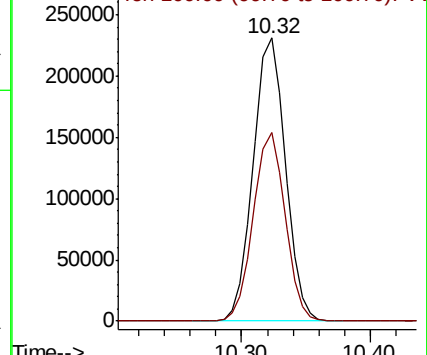
98 100

100 65.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 33.533 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012968.D

Acq: 13 Sep 2019 22:16

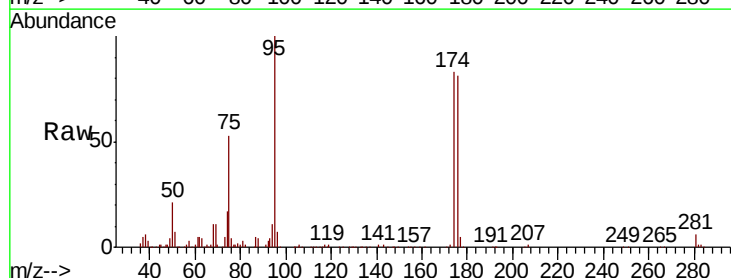
Tgt Ion: 95 Resp: 92664

Ion Ratio Lower Upper

95 100

174 86.4 0.0 170.4

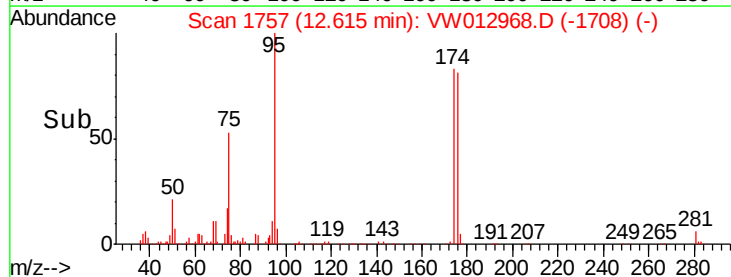
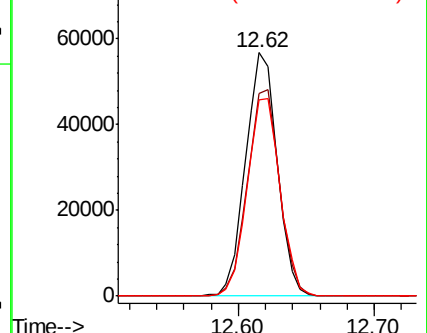
176 84.5 0.0 164.6



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

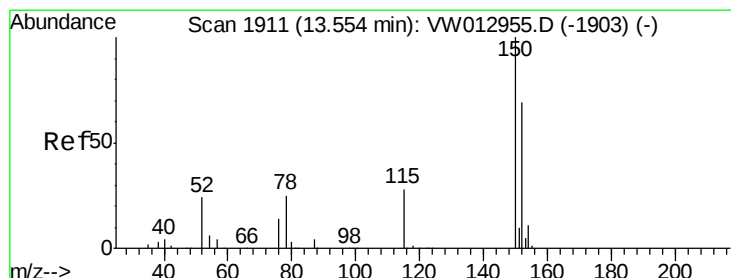
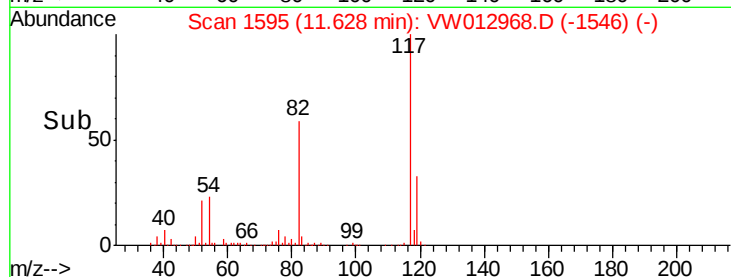
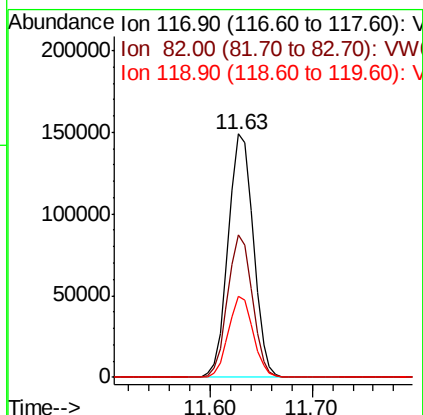
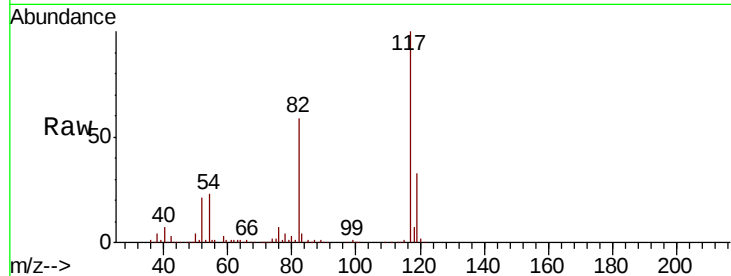




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012968.D
Acq: 13 Sep 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
T4-3-(0)-BRUCKNER

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	254186		
82	58.6	46.3	69.5	
119	33.2	26.2	39.4	



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW012968.D
Acq: 13 Sep 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	69169		
115	57.8	28.8	86.4	
150	159.3	0.0	340.2	

