

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012965.D
 Acq On : 13 Sep 2019 20:59
 Operator : SY/VA
 Sample : K4719-03
 Misc : 6.77G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-1-(1.5)-BRUCKNER

Quant Time: Sep 14 04:52:59 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

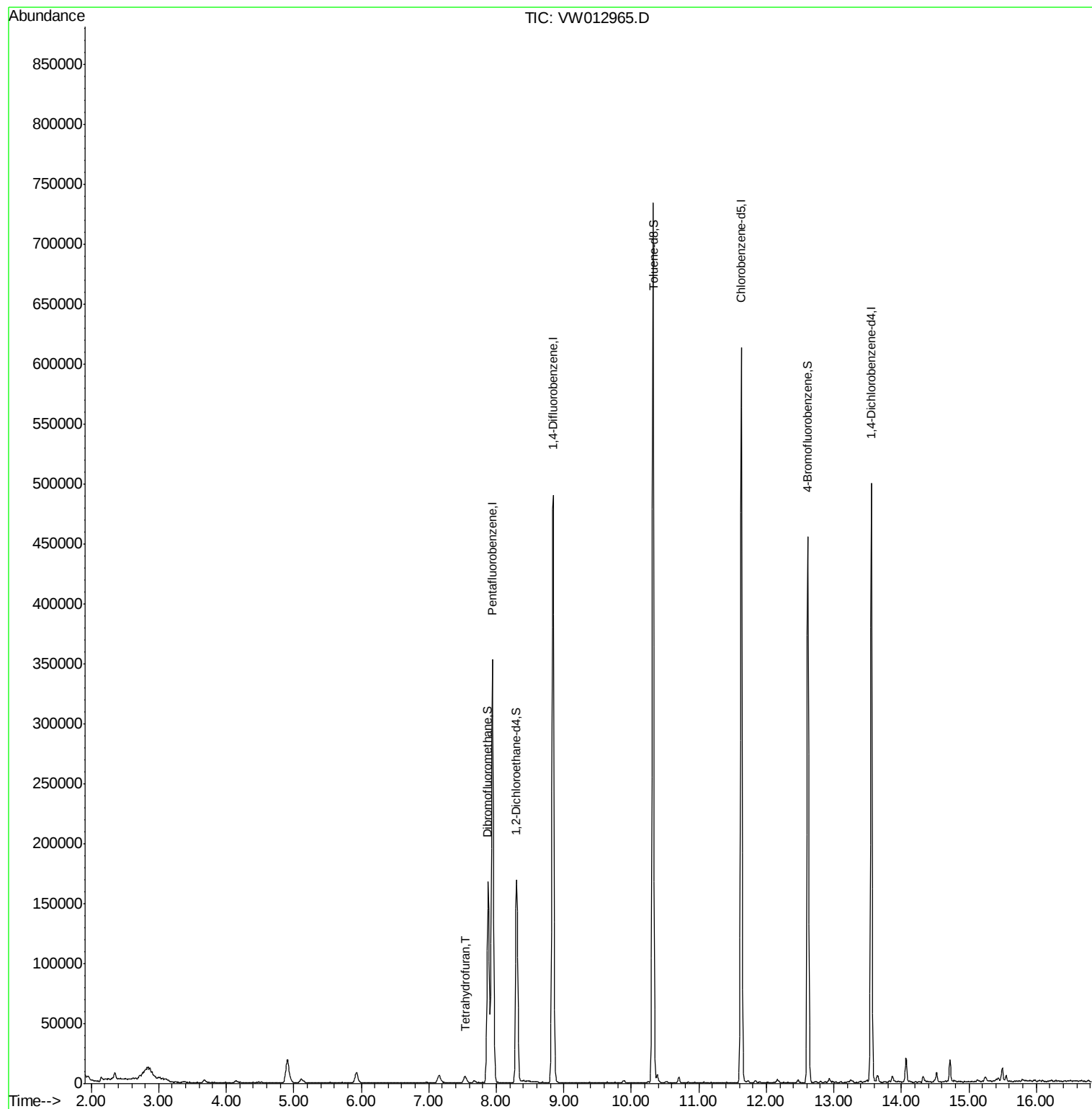
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	272310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	407425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	131434	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	143590	57.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.18%	
35) Dibromofluoromethane	7.88	113	118665	53.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.36%	
50) Toluene-d8	10.32	98	473052	54.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.36%	
62) 4-Bromofluorobenzene	12.62	95	141197	45.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.78%	
Target Compounds						
29) Tetrahydrofuran	7.53	42	4779	10.488	ug/l #	Qvalue 87

(#) = 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: VW012965.D

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MSVOA_W

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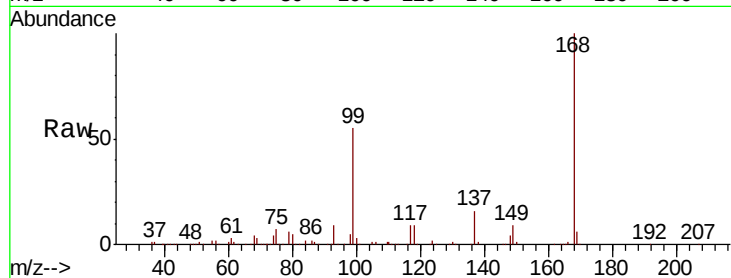
T4-1-(1.5)-BRUCKNER

Tgt Ion: 168 Resp: 272310

Ion Ratio Lower Upper

168 100

99 55.3 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

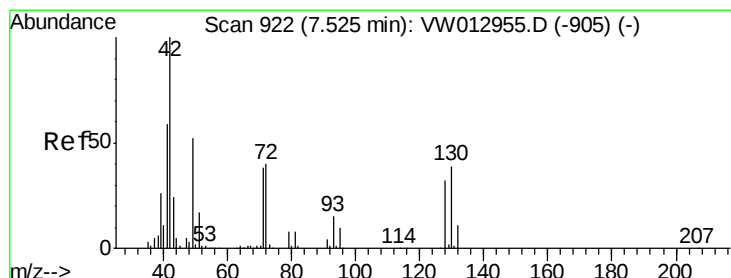
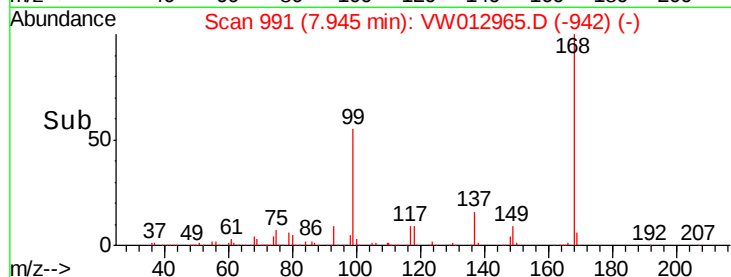
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#29

Tetrahydrofuran

Concen: 10.488 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012965.D

Acq: 13 Sep 2019 20:59

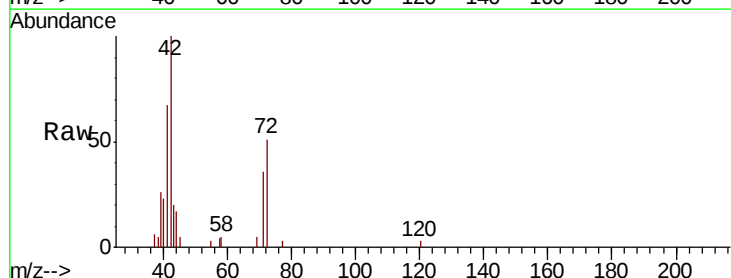
Tgt Ion: 42 Resp: 4779

Ion Ratio Lower Upper

42 100

72 46.1 31.4 47.0

71 46.0 29.8 44.8#



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

7.53

2000

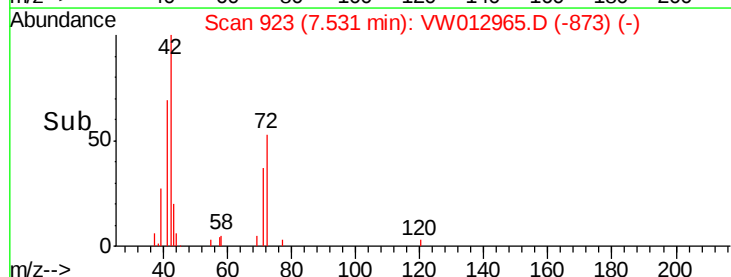
1500

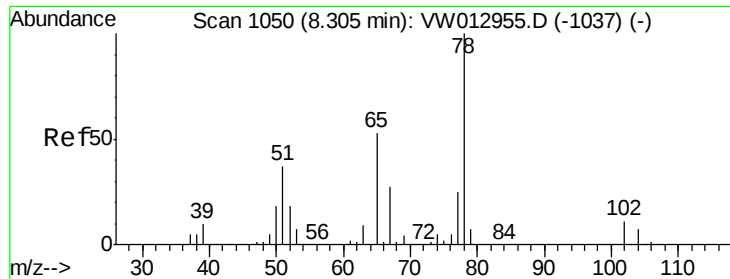
1000

500

0

Time--> 7.45 7.50 7.55 7.60

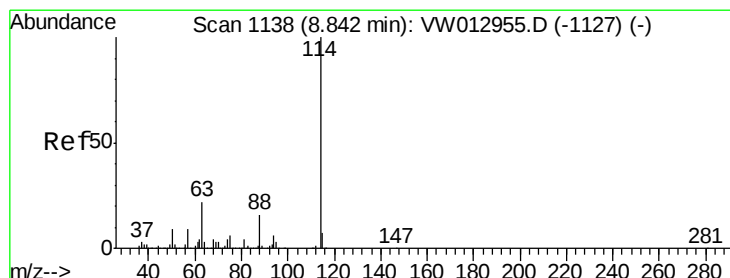
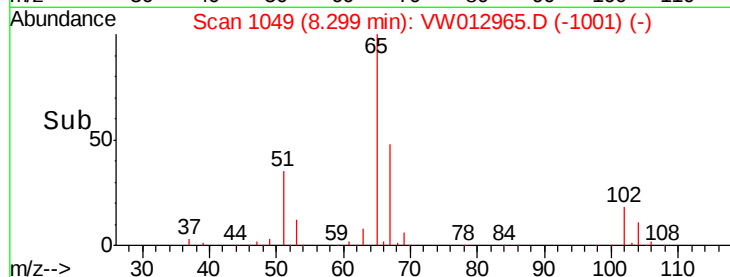
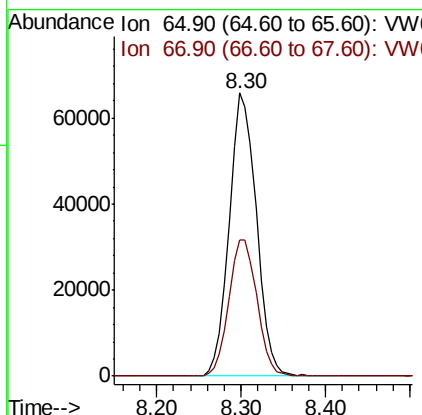
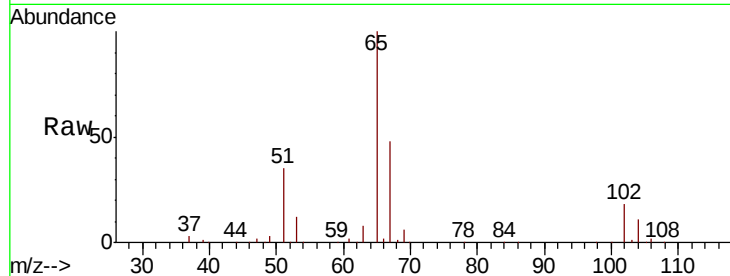




#33
 1,2-Dichloroethane-d4
 Concen: 57.094 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012965.D
 Acq: 13 Sep 2019 20:59

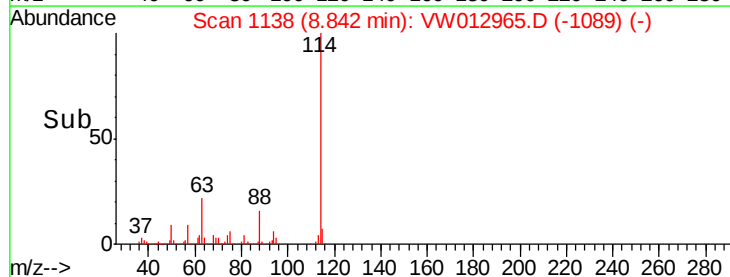
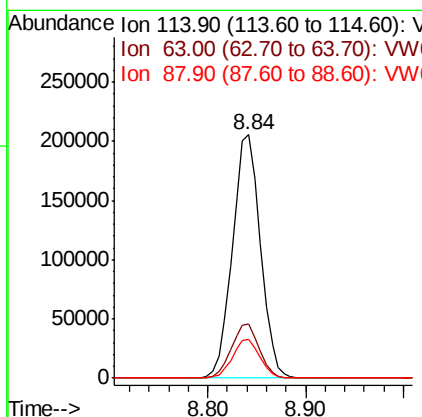
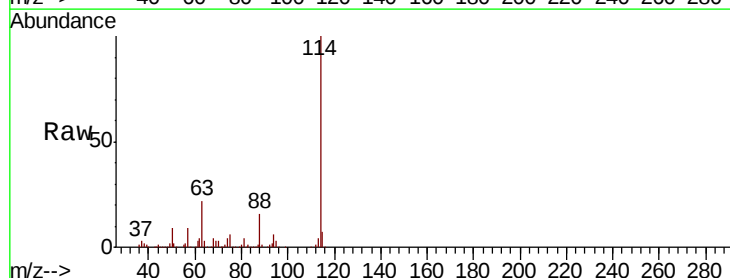
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-1-(1.5)-BRUCKNER

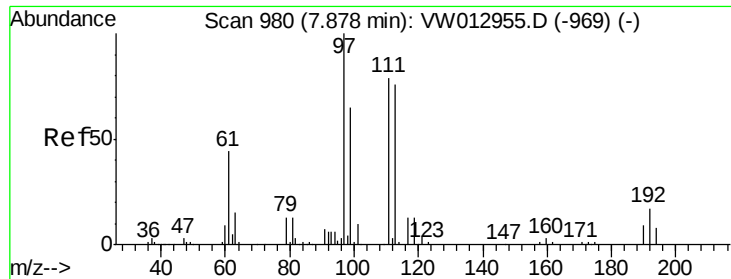
Tgt Ion: 65 Resp: 143590
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012965.D
 Acq: 13 Sep 2019 20:59

Tgt Ion: 114 Resp: 407425
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.4
 88 15.7 0.0 31.6

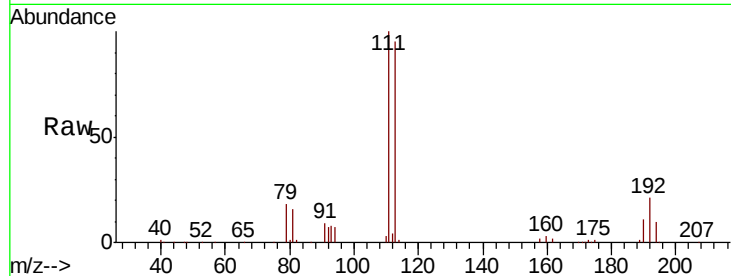




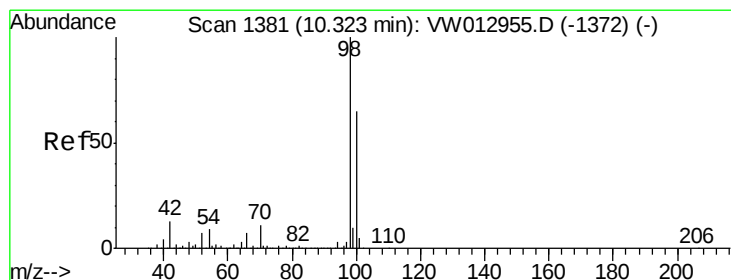
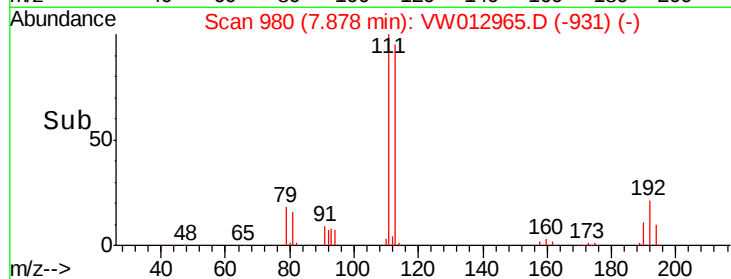
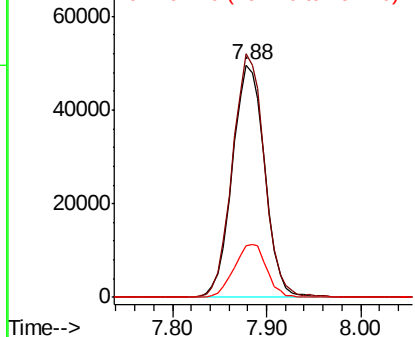
#35
 Dibromofluoromethane
 Concen: 53.677 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW012965.D
 Acq: 13 Sep 2019 20:59

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-1-(1.5)-BRUCKNER

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.8	124.2
192	22.9	17.8	26.8

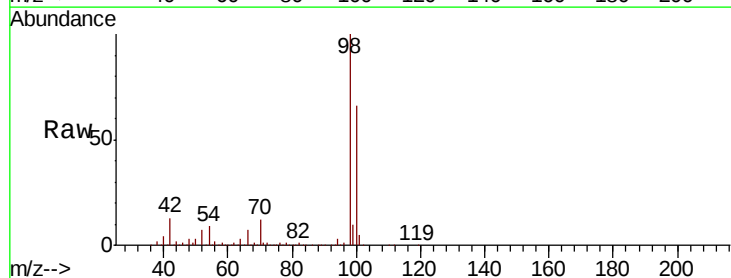


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

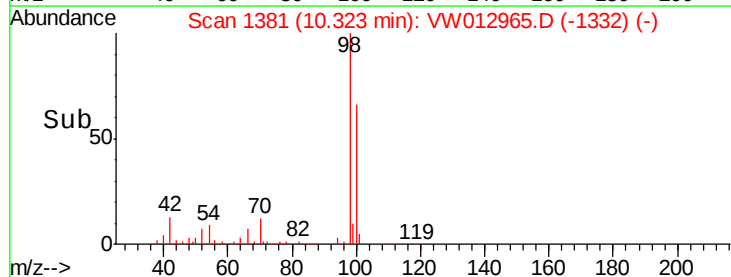
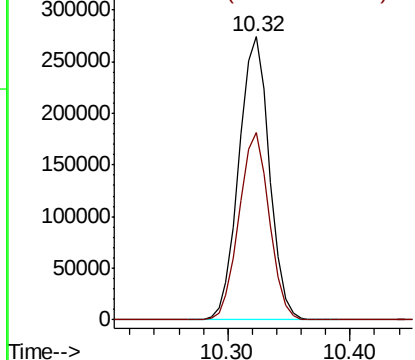


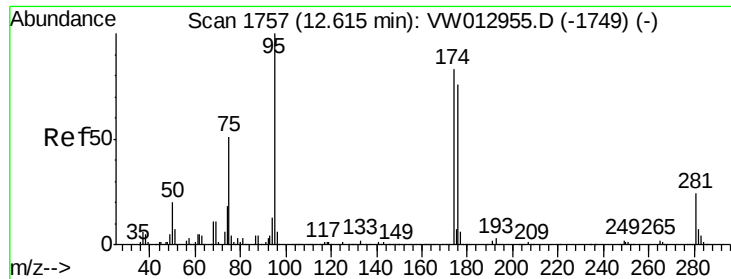
#50
 Toluene-d8
 Concen: 54.683 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012965.D
 Acq: 13 Sep 2019 20:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.1	78.1



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW

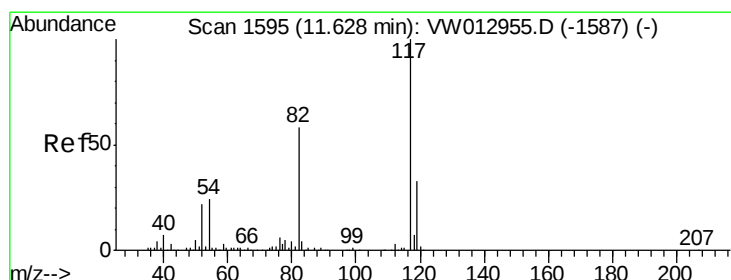
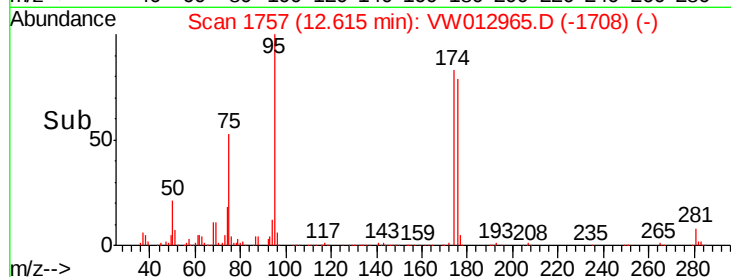
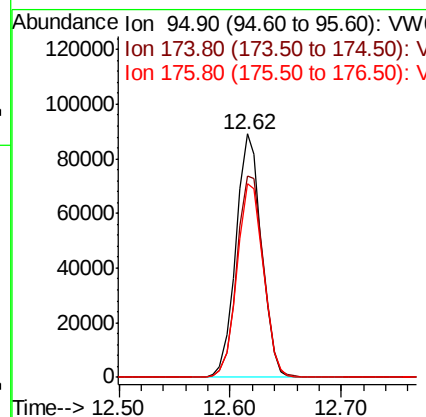
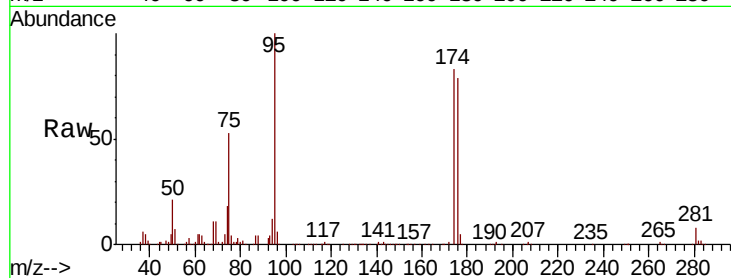




#62
4-Bromofluorobenzene
Concen: 45.391 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012965.D
Acq: 13 Sep 2019 20:59

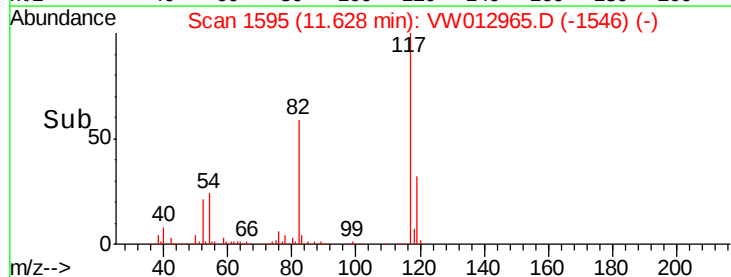
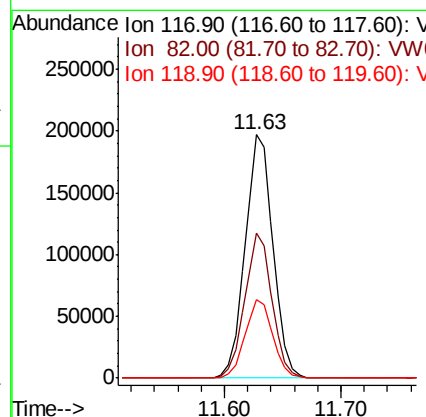
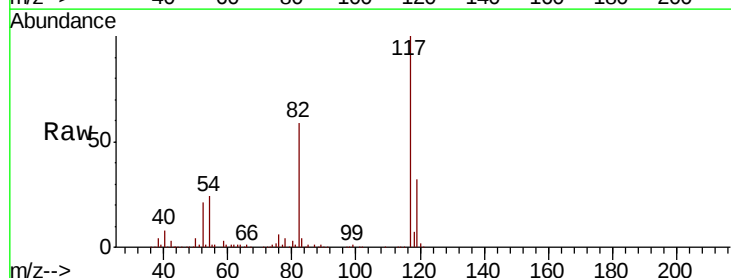
Instrument :
MSVOA_W
ClientSampleId :
T4-1-(1.5)-BRUCKNER

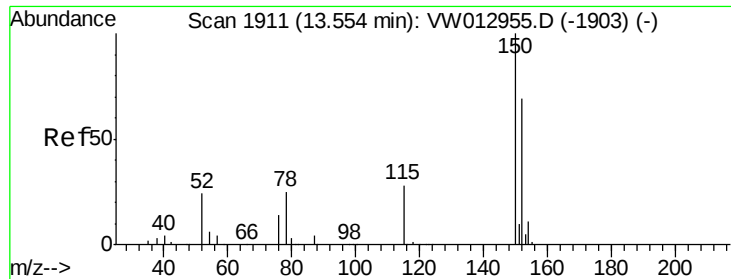
Tgt Ion: 95 Resp: 141197
Ion Ratio Lower Upper
95 100
174 86.3 0.0 170.4
176 82.1 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012965.D
Acq: 13 Sep 2019 20:59

Tgt Ion: 117 Resp: 327785
Ion Ratio Lower Upper
117 100
82 59.4 46.3 69.5
119 32.3 26.2 39.4

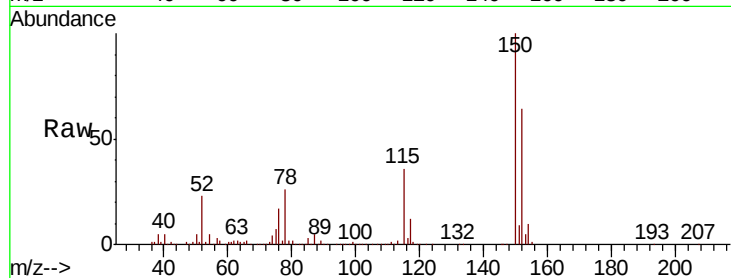




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.00 min
 Lab File: VW012965.D
 Acq: 13 Sep 2019 20:59

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-1-(1.5)-BRUCKNER

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.8	86.4
150	157.2	0.0	340.2



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

