

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012308.D
 Acq On : 29 Aug 2019 17:21
 Operator : SY/VA
 Sample : K4572-01
 Misc : 5.21G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200059-200035

Quant Time: Aug 30 07:48:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

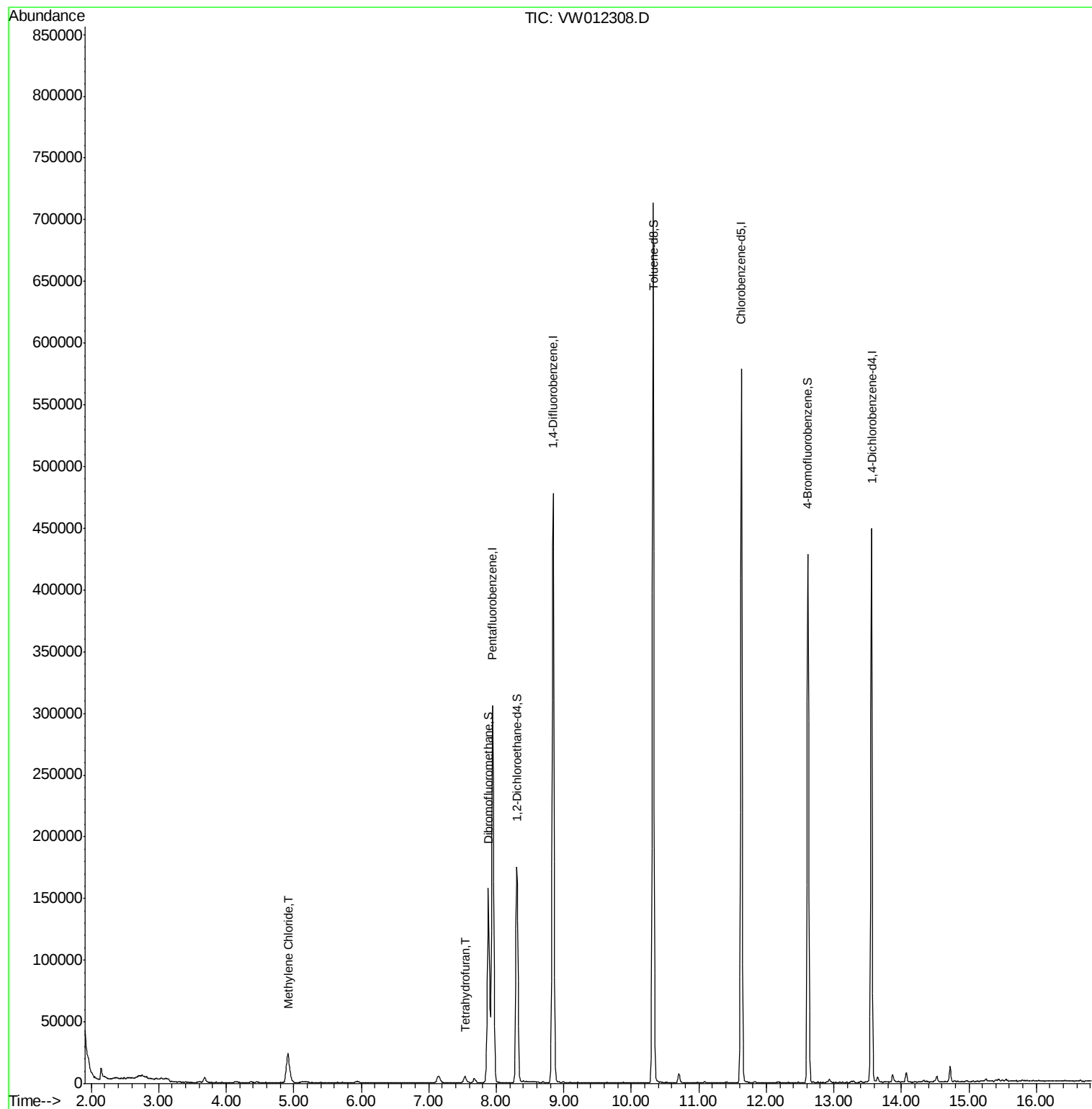
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113489	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	141939	53.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.00%	
35) Dibromofluoromethane	7.88	113	113417	50.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.30%	
50) Toluene-d8	10.32	98	449962	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.61	95	139664	43.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.28%	
Target Compounds						
20) Methylene Chloride	4.92	84	17593	6.798	ug/l	89
29) Tetrahydrofuran	7.54	42	4842	8.676	ug/l	100

(#) = 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# 992

Delta R.T. 0.01 min

Lab File: VW012308.D

Acq: 29 Aug 2019 17:21

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MSVOA_W

ClientSampleId :

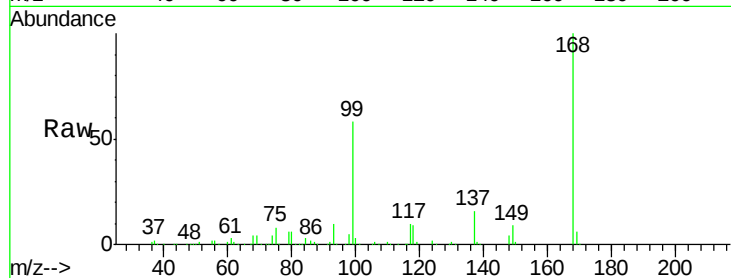
RBR-200059-200035

Tot Ion:168 Resp: 225281

Ion Ratio Lower Upper

168 100

99 57.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

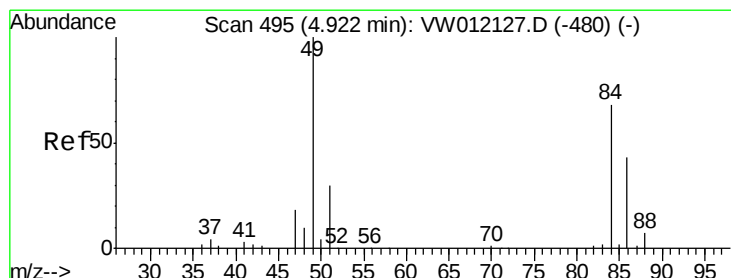
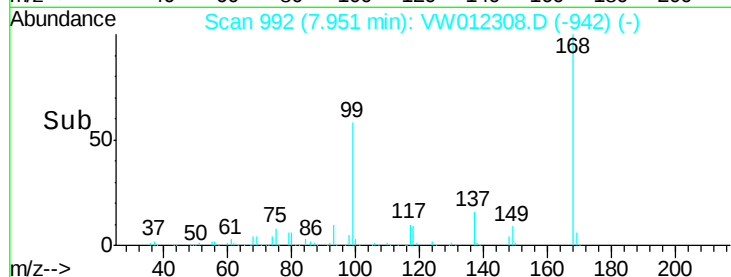
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 6.798 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW012308.D

Acq: 29 Aug 2019 17:21

Tgt Ion: 84 Resp: 17593

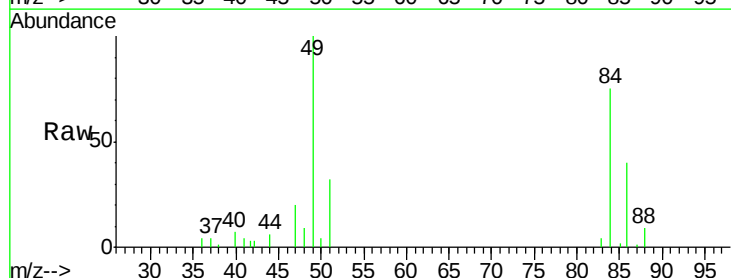
Ion Ratio Lower Upper

84 100

49 132.5 117.8 176.8

51 42.3 35.6 53.4

86 53.6 51.2 76.8



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

4.92

12000

10000

8000

6000

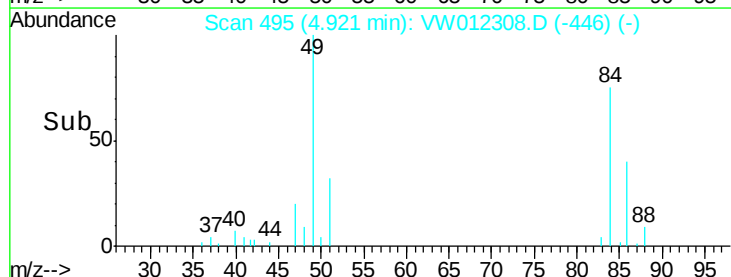
4000

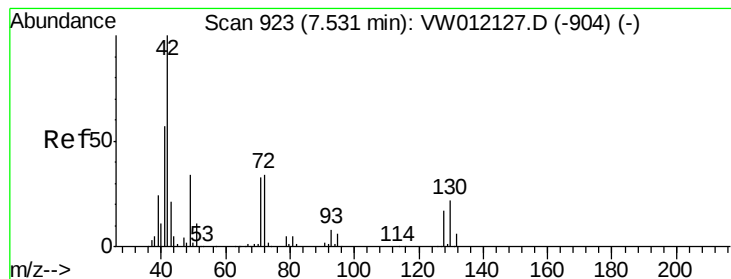
2000

0

Time-->

4.80 4.90 5.00





#29

Tetrahydrofuran

Concen: 8.676 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012308.D

Acq: 29 Aug 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

RBR-200059-200035

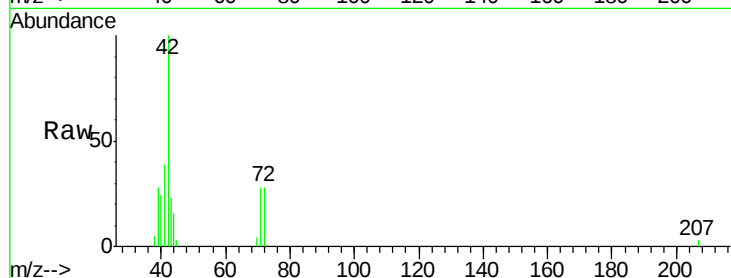
Tot Ion: 42 Resp: 4842

Ion Ratio Lower Upper

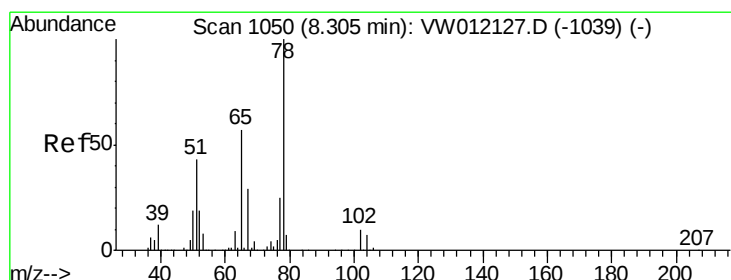
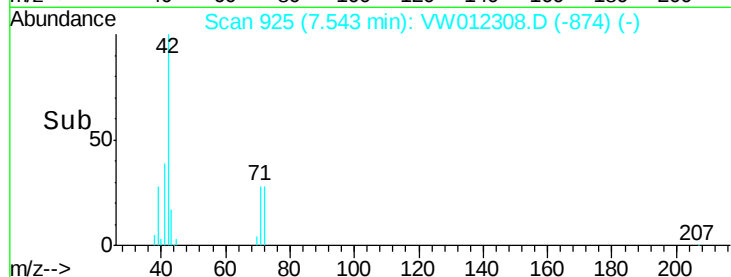
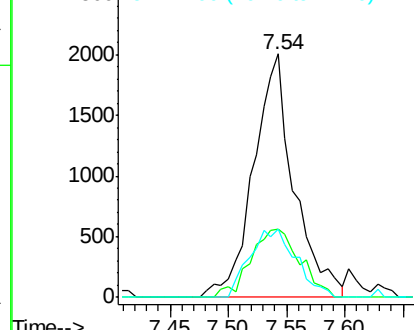
42 100

72 34.1 27.3 40.9

71 32.1 25.5 38.3



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



#33

1,2-Dichloroethane-d4

Concen: 53.001 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012308.D

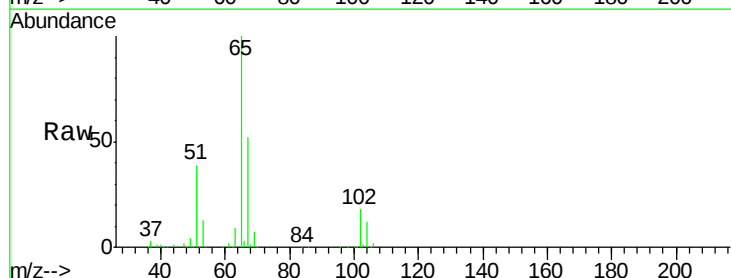
Acq: 29 Aug 2019 17:21

Tgt Ion: 65 Resp: 141939

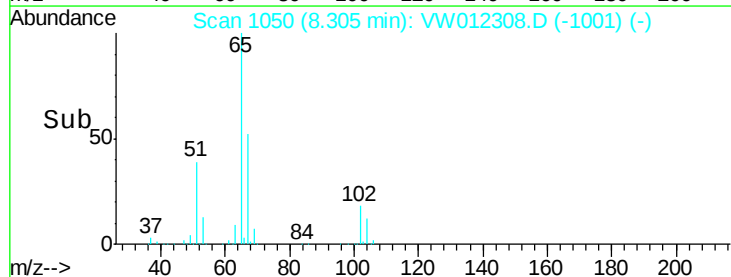
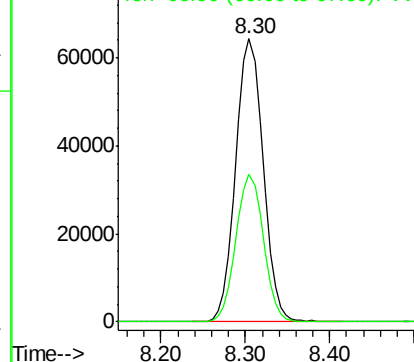
Ion Ratio Lower Upper

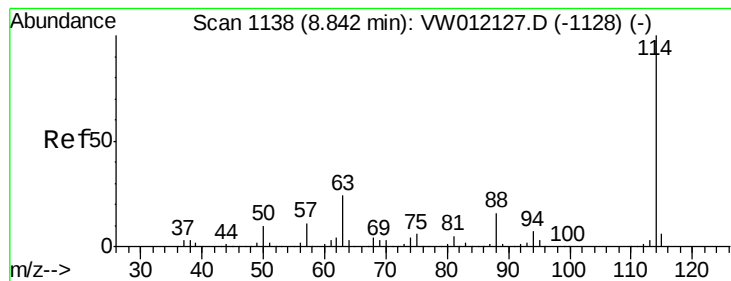
65 100

67 51.9 0.0 102.6



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: VW012308.D

Acq: 29 Aug 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

RBR-200059-200035

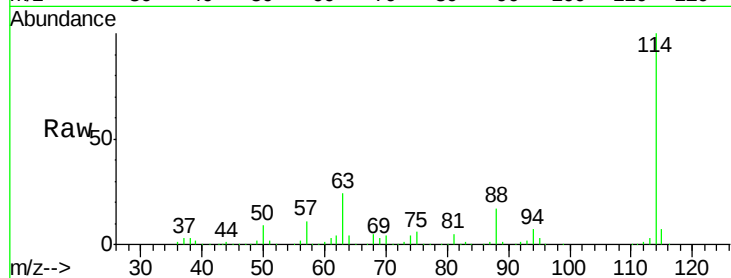
Tot Ion:114 Resp: 375128

Ion Ratio Lower Upper

114 100

63 23.7 0.0 48.6

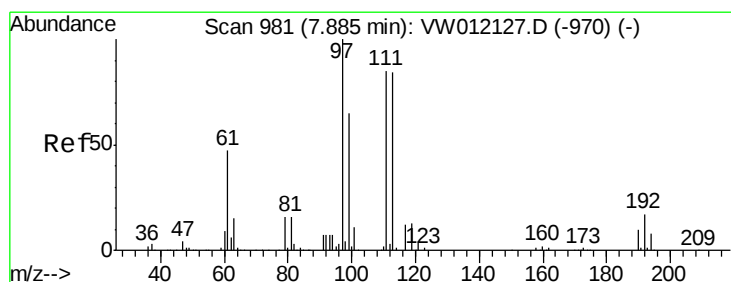
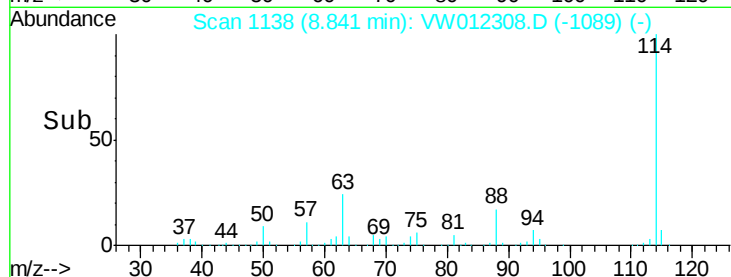
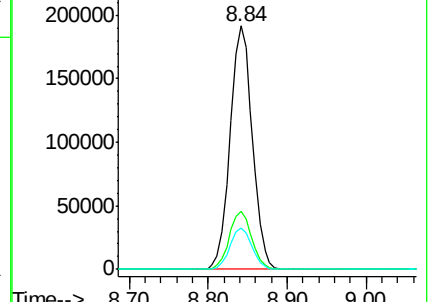
88 17.0 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 50.652 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012308.D

Acq: 29 Aug 2019 17:21

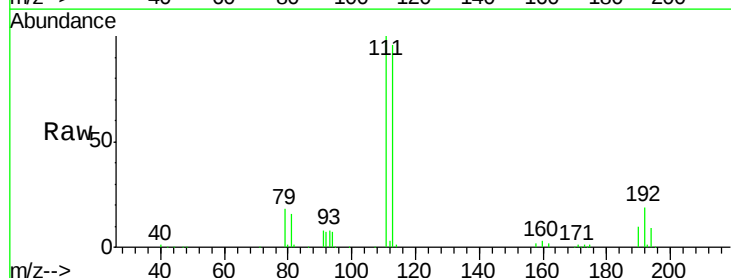
Tgt Ion:113 Resp: 113417

Ion Ratio Lower Upper

113 100

111 104.9 82.7 124.1

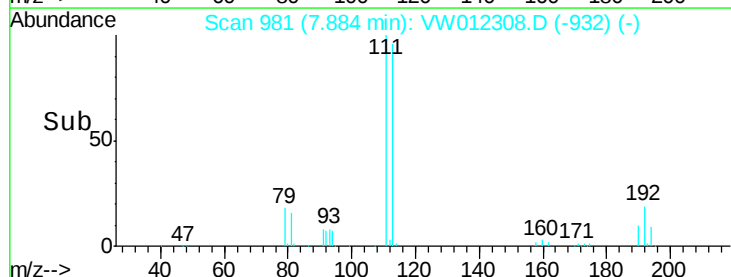
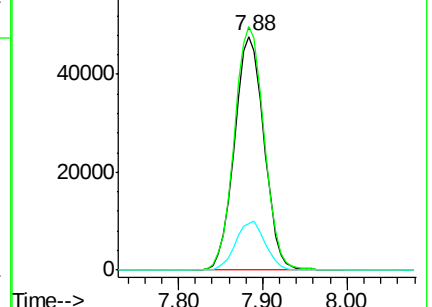
192 20.9 16.2 24.2

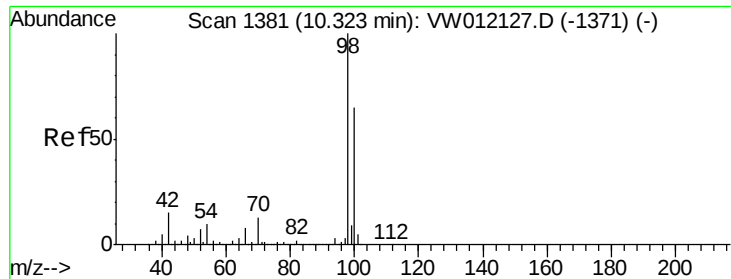


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.560 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012308.D

Acq: 29 Aug 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

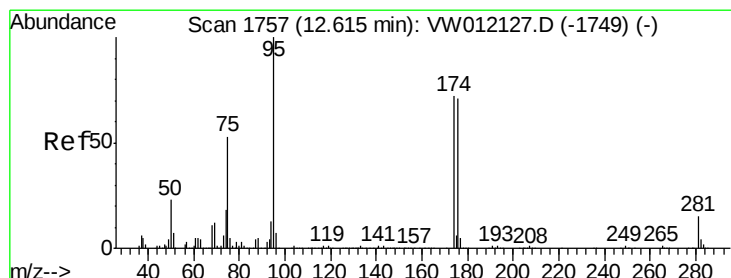
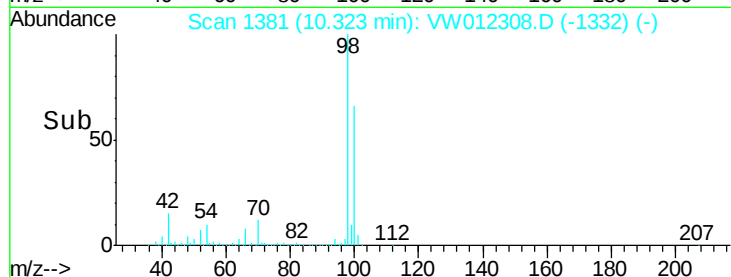
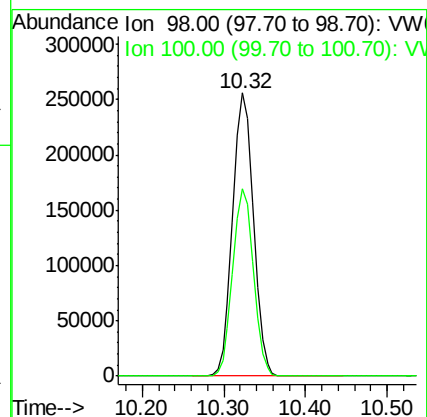
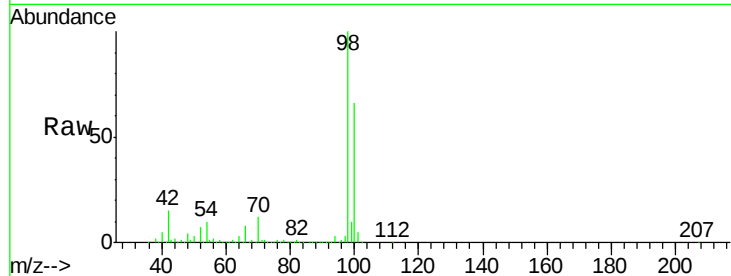
RBR-200059-200035

Tot Ion: 98 Resp: 449962

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 43.640 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012308.D

Acq: 29 Aug 2019 17:21

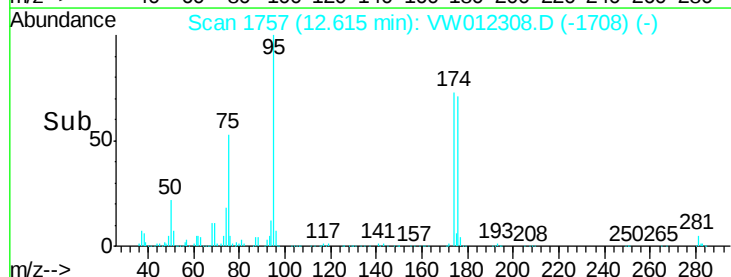
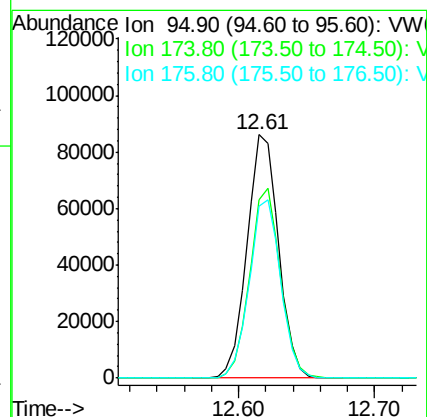
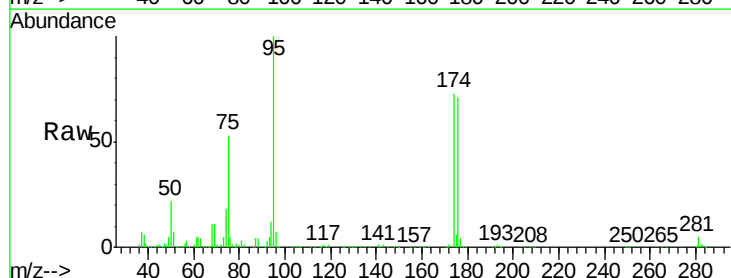
Tgt Ion: 95 Resp: 139664

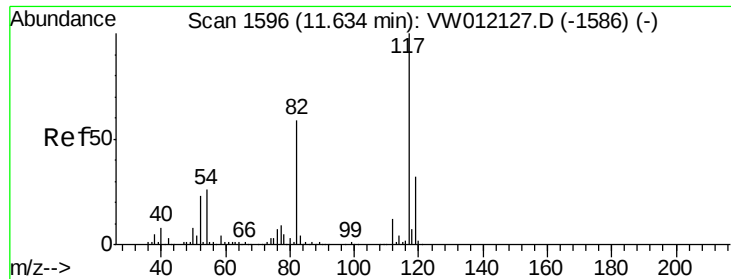
Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.8

176 73.1 0.0 148.6

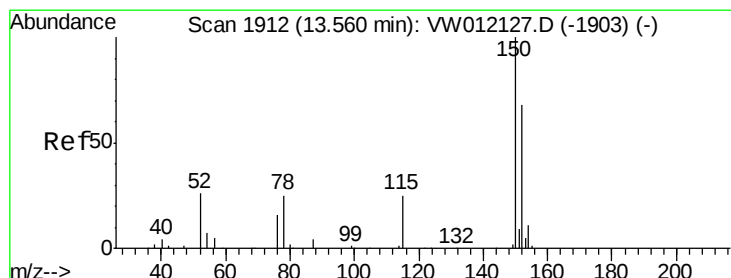
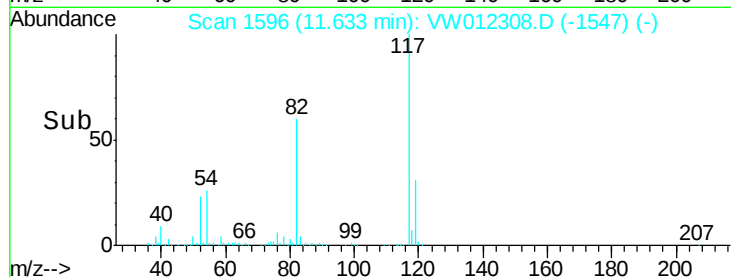
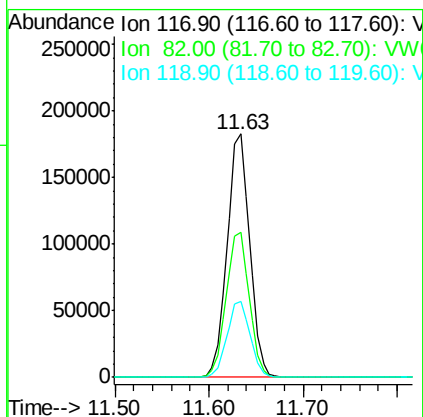
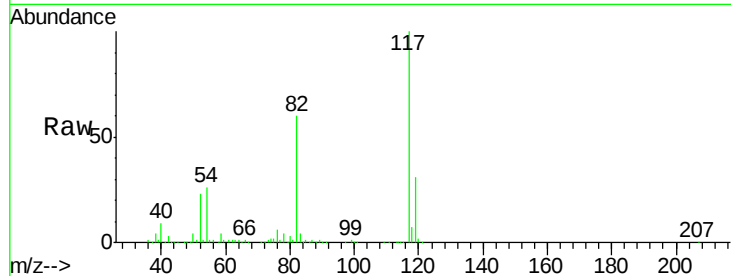




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012308.D
Acq: 29 Aug 2019 17:21

Instrument :
MSVOA_W
ClientSampleId :
RBR-200059-200035

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.4	71.2
119	31.5	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012308.D
Acq: 29 Aug 2019 17:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.3
150	157.6	0.0	345.8

