

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082219\
 Data File : VW012109.D
 Acq On : 22 Aug 2019 14:34
 Operator : SY/VA
 Sample : K4086-01
 Misc : 4.01G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-082019

Quant Time: Aug 23 08:40:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

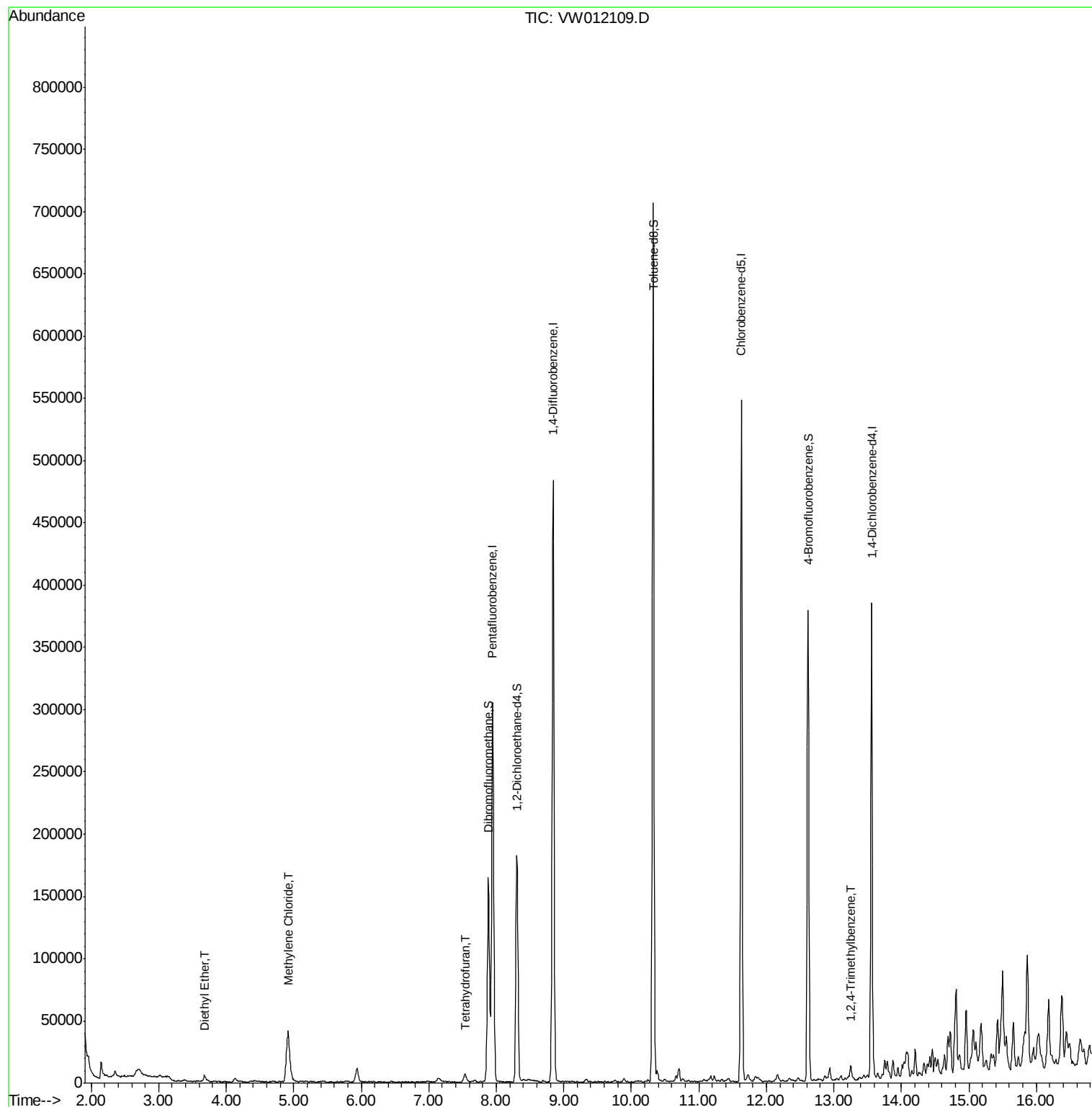
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	289773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93461	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	144342	56.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.52%	
35) Dibromofluoromethane	7.88	113	115482	54.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.74%	
50) Toluene-d8	10.32	98	447363	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.62	95	125365	40.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.62%	
Target Compounds						
8) Diethyl Ether	3.68	74	2401	1.839	ug/l	84
20) Methylene Chloride	4.92	84	30828	11.050	ug/l	92
29) Tetrahydrofuran	7.54	42	5720	9.454	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	6566	1.115	ug/l	91

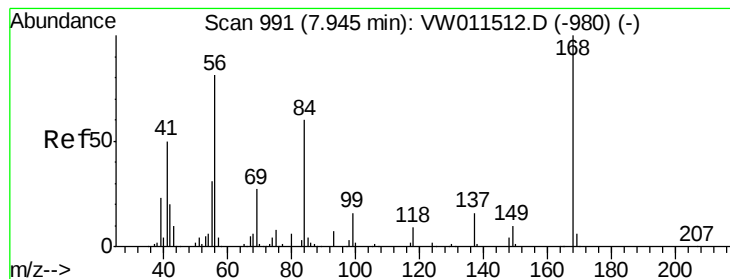
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082219\
Data File : VW012109.D
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012109.D

Acq: 22 Aug 2019 14:34

Instrument :

MSVOA_W

ClientSampleId :

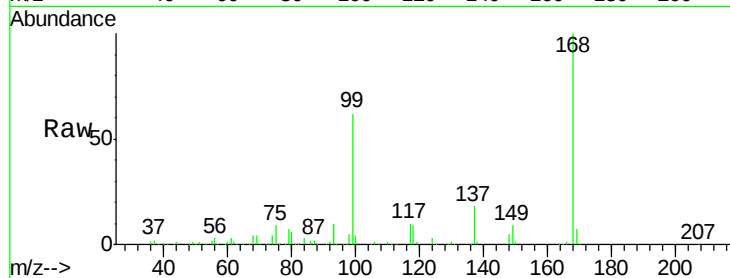
NB-08-082019

Tot Ion:168 Resp: 221457

Ion Ratio Lower Upper

168 100

99 62.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

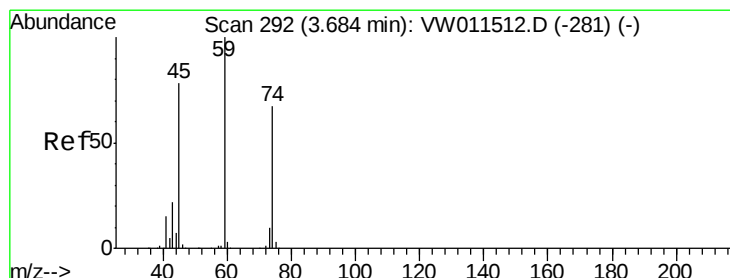
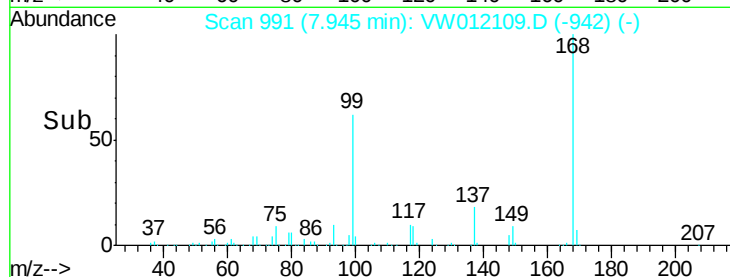
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.839 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012109.D

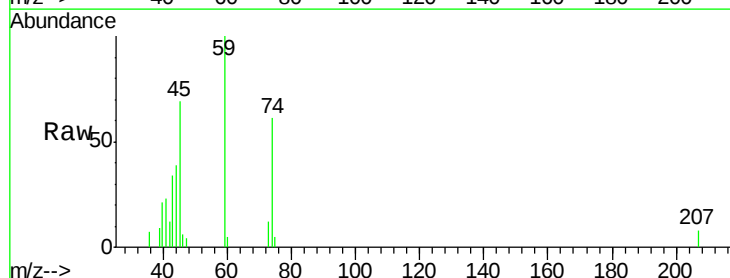
Acq: 22 Aug 2019 14:34

Tgt Ion: 74 Resp: 2401

Ion Ratio Lower Upper

74 100

45 137.4 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

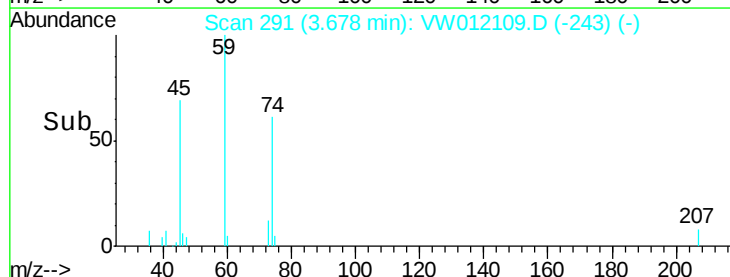
1500

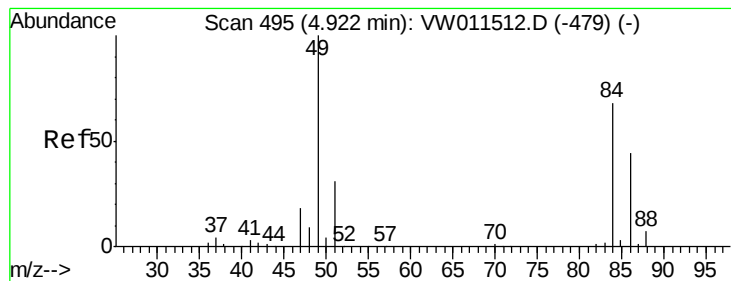
1000

500

0

Time--> 3.60 3.65 3.70 3.75





#20

Methylene Chloride

Concen: 11.050 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012109.D

Acq: 22 Aug 2019 14:34

Instrument :

MSVOA_W

ClientSampleId :

NB-08-082019

Tot Ion: 84 Resp: 30828

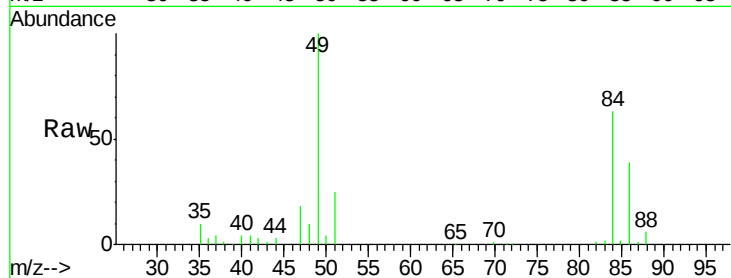
Ion Ratio Lower Upper

84 100

49 158.2 117.8 176.6

51 39.4 37.0 55.4

86 62.6 51.8 77.8

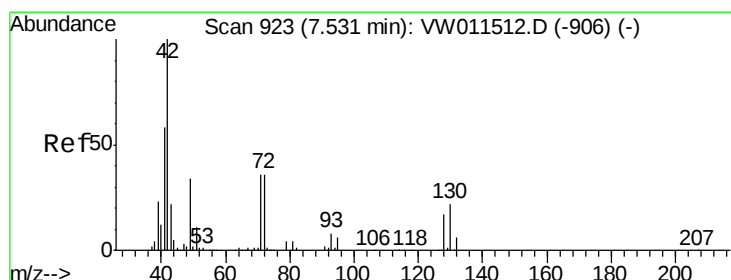
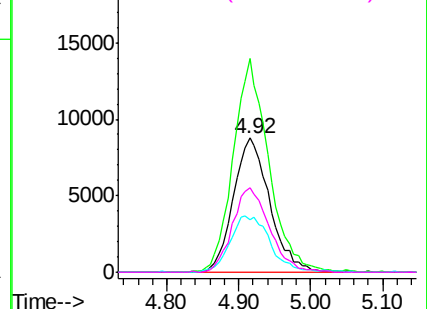
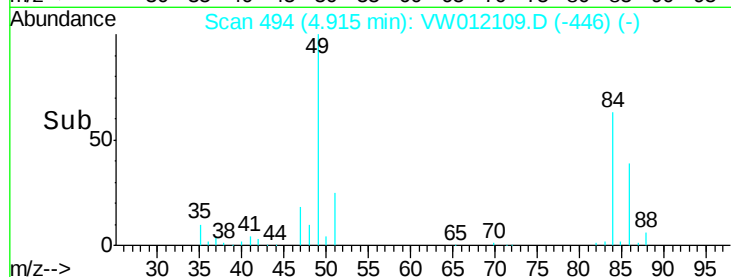


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 9.454 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012109.D

Acq: 22 Aug 2019 14:34

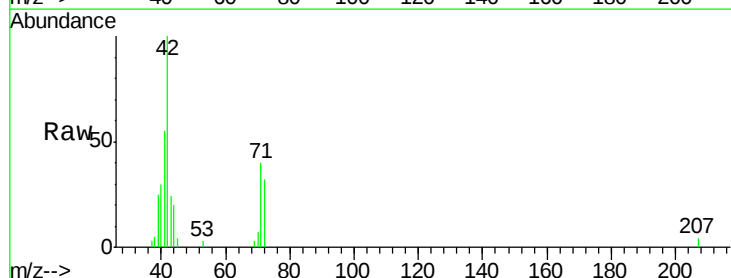
Tgt Ion: 42 Resp: 5720

Ion Ratio Lower Upper

42 100

72 35.2 27.1 40.7

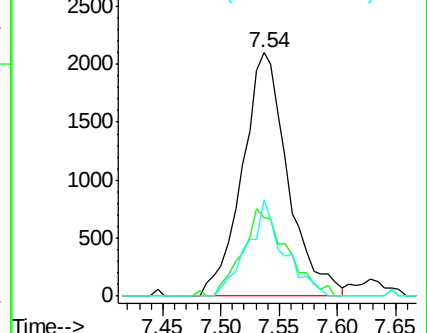
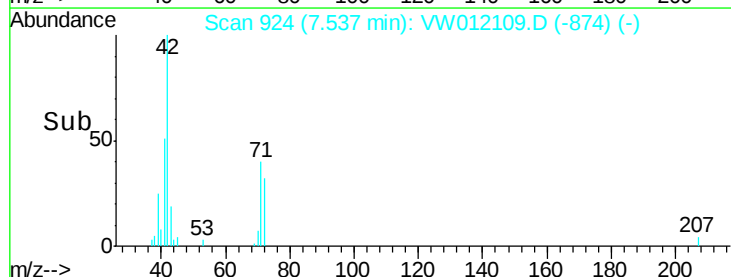
71 31.4 26.2 39.4

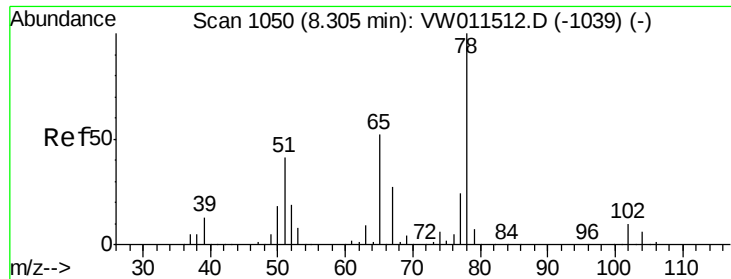


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

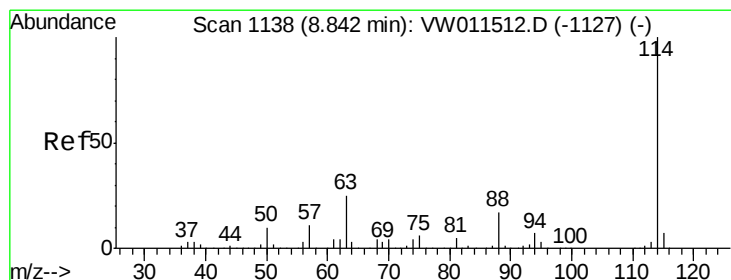
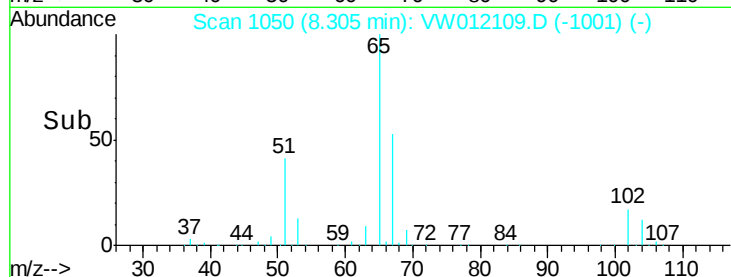
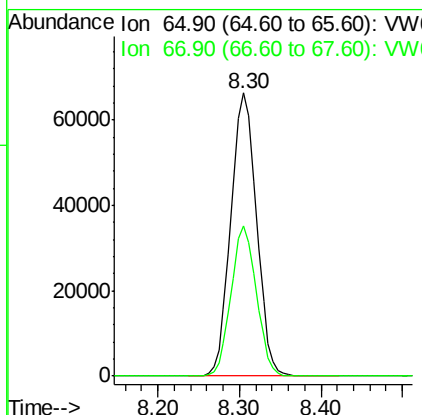
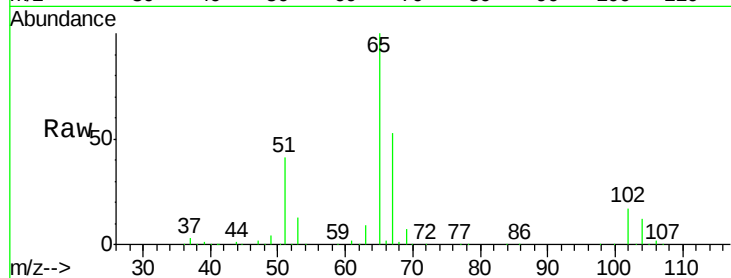




#33
 1,2-Dichloroethane-d4
 Concen: 56.762 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012109.D
 Acq: 22 Aug 2019 14:34

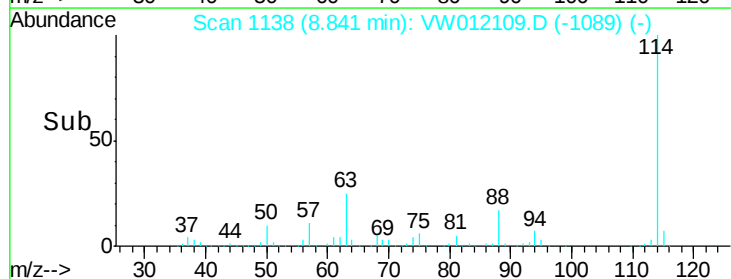
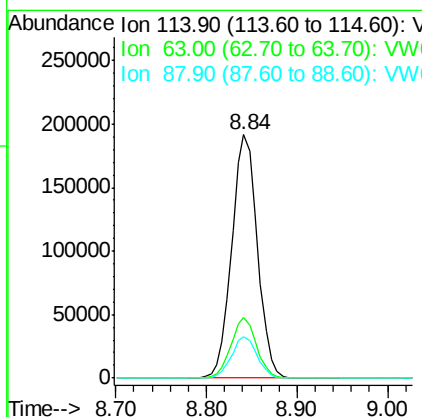
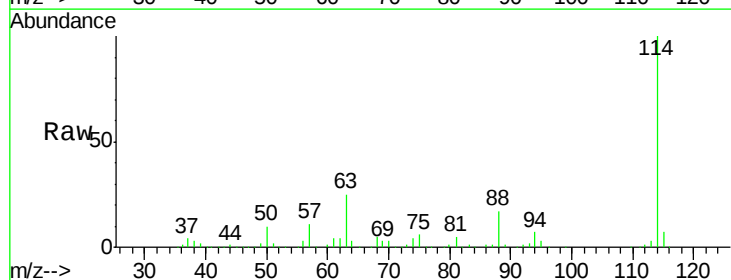
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-082019

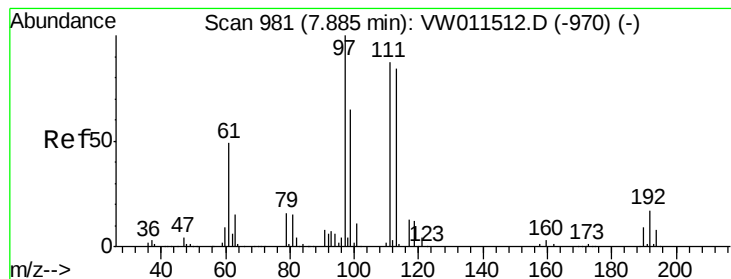
Tot Ion: 65 Resp: 144342
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012109.D
 Acq: 22 Aug 2019 14:34

Tgt Ion: 114 Resp: 375143
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.871 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012109.D

Acq: 22 Aug 2019 14:34

Instrument :

MSVOA_W

ClientSampleId :

NB-08-082019

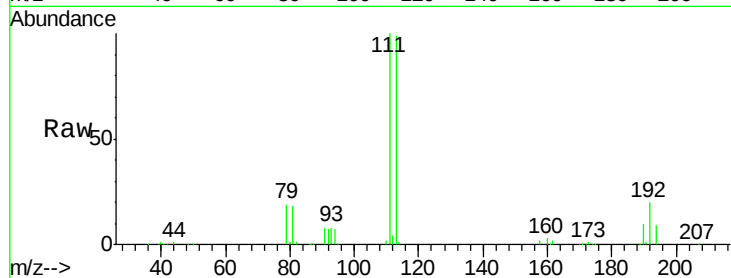
Tot Ion:113 Resp: 115482

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

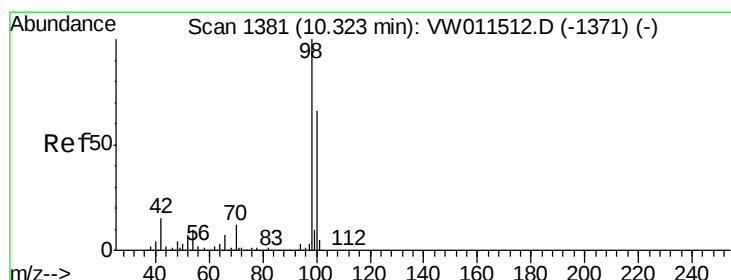
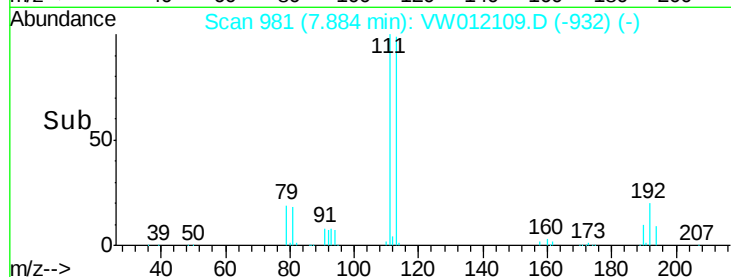
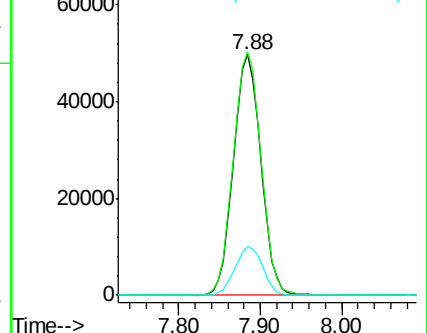
192 20.3 16.1 24.1



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: 51.917 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012109.D

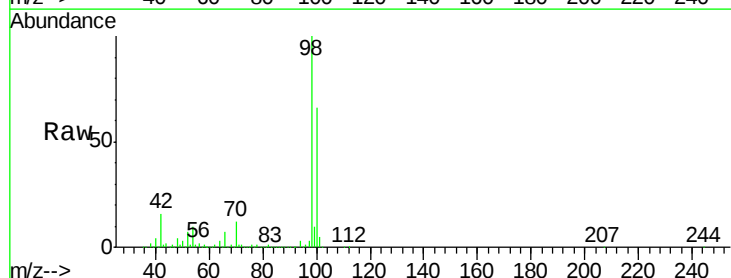
Acq: 22 Aug 2019 14:34

Tgt Ion: 98 Resp: 447363

Ion Ratio Lower Upper

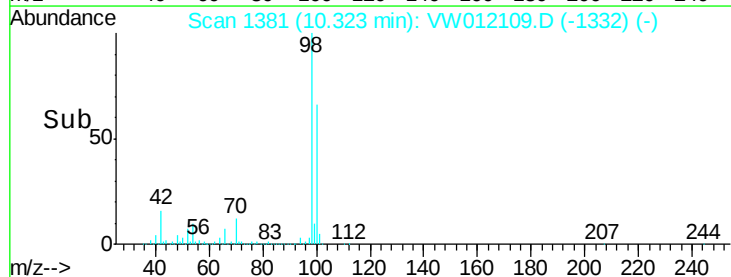
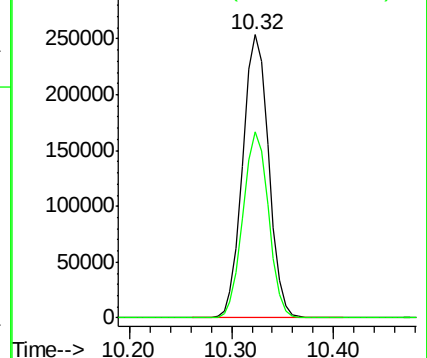
98 100

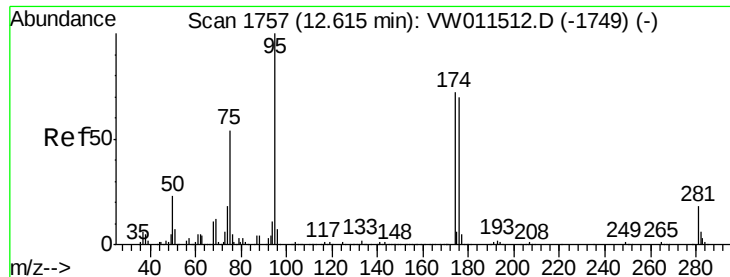
100 64.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 40.808 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012109.D

Acq: 22 Aug 2019 14:34

Instrument :

MSVOA_W

ClientSampleId :

NB-08-082019

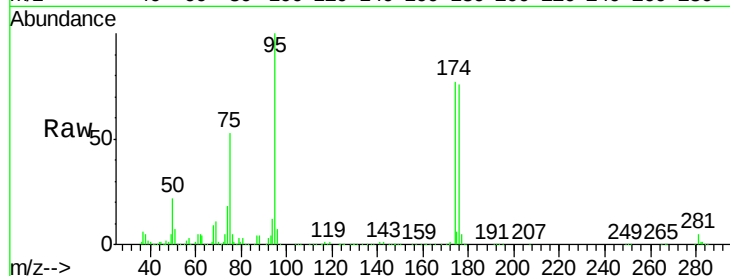
Tot Ion: 95 Resp: 125365

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

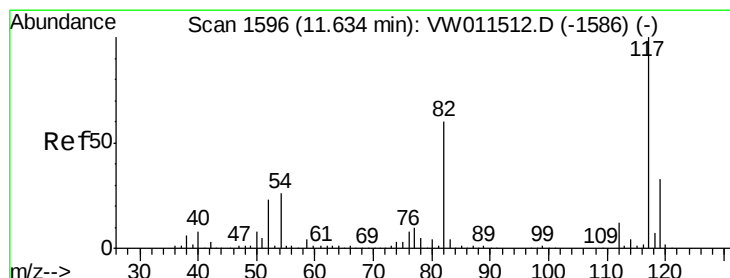
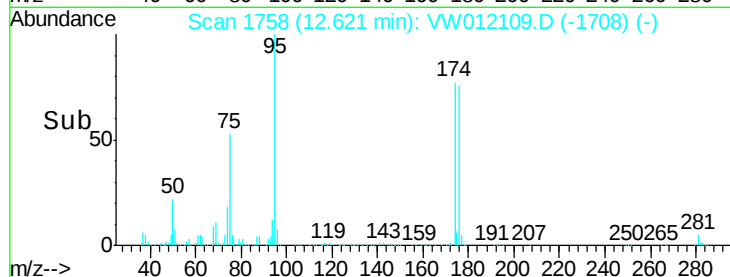
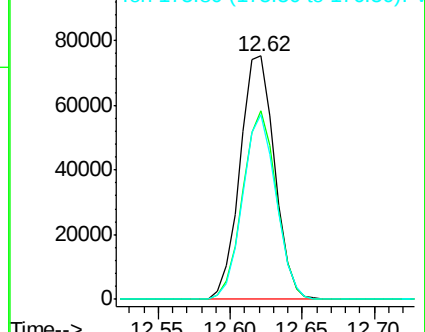
176 73.2 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012109.D

Acq: 22 Aug 2019 14:34

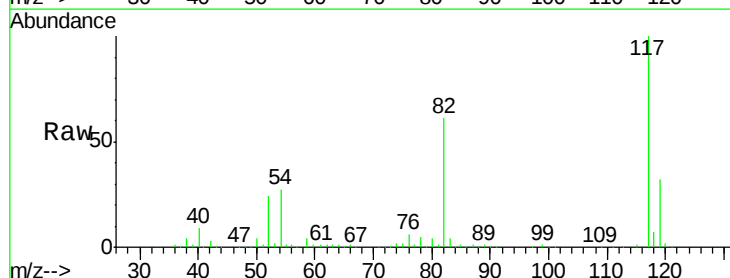
Tgt Ion: 117 Resp: 289773

Ion Ratio Lower Upper

117 100

82 60.9 47.9 71.9

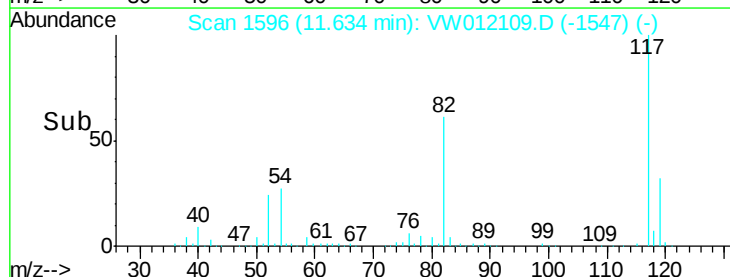
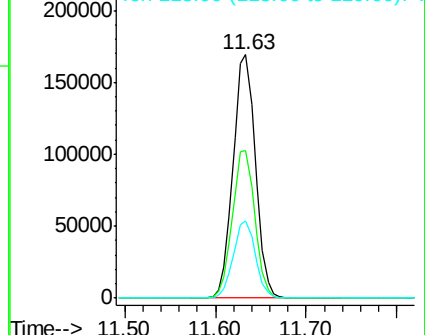
119 31.6 26.2 39.2

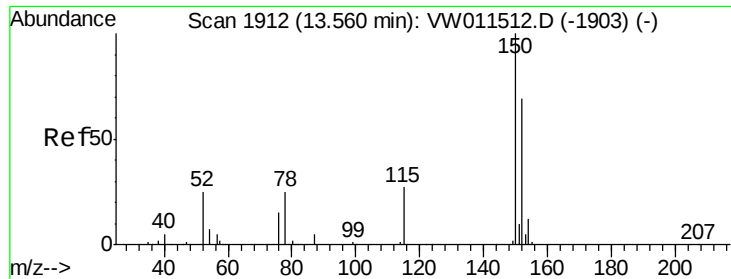


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012109.D

Acq: 22 Aug 2019 14:34

Instrument :

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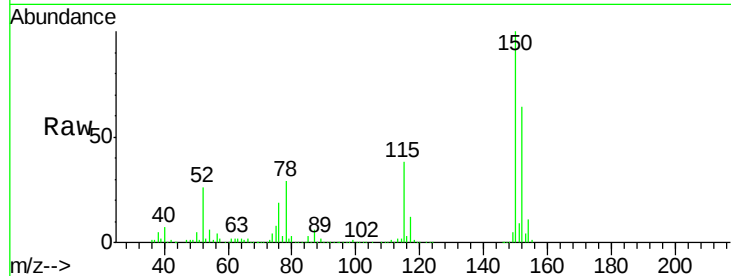
Tot Ion:152 Resp: 93461

Ion Ratio Lower Upper

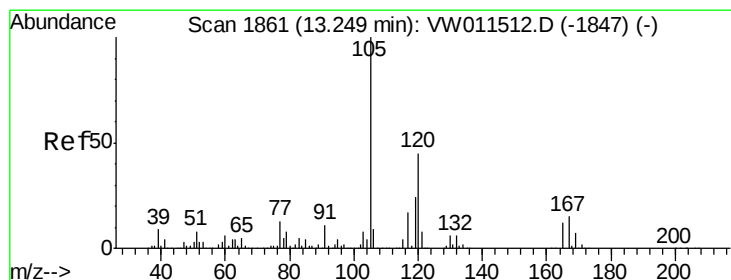
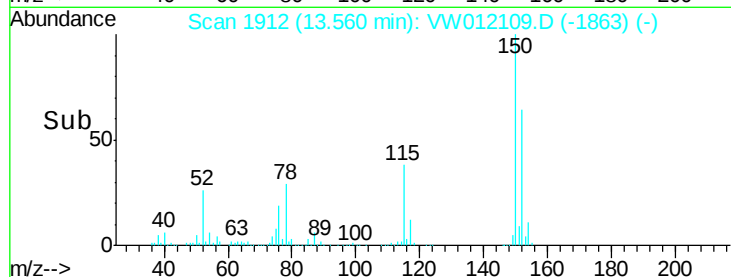
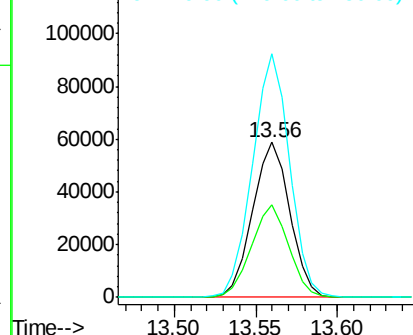
152 100

115 60.1 30.5 91.5

150 156.7 0.0 352.6



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



#84

1,2,4-Trimethylbenzene

Concen: 1.115 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VW012109.D

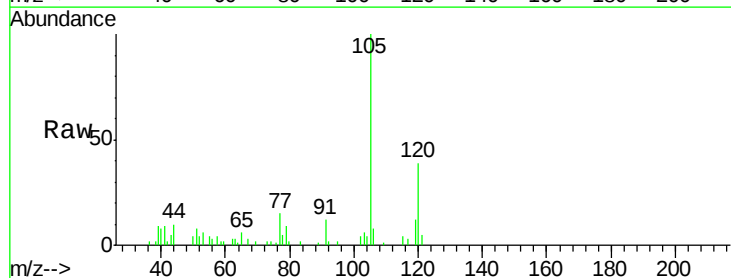
Acq: 22 Aug 2019 14:34

Tgt Ion:105 Resp: 6566

Ion Ratio Lower Upper

105 100

120 38.5 22.1 66.5



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

