

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091119\
 Data File : VW012920.D
 Acq On : 11 Sep 2019 16:27
 Operator : SY/VA
 Sample : K4683-04
 Misc : 4.34G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190666-FIELD-DUPLICATE

Quant Time: Sep 12 08:19:38 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

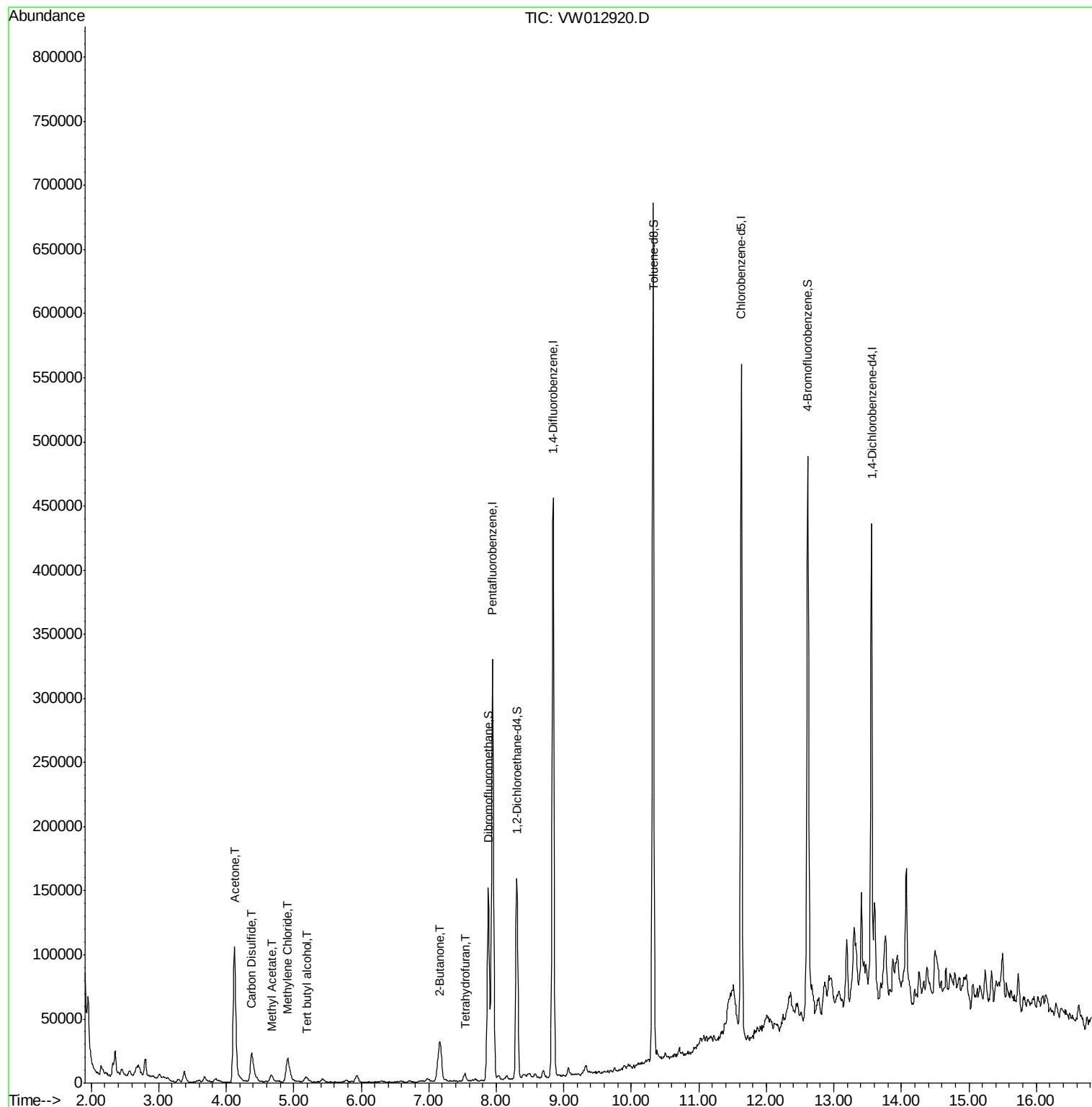
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	374593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	288866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98277	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	127642	45.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.56%	
35) Dibromofluoromethane	7.88	113	108750	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.66%	
50) Toluene-d8	10.32	98	432909	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.61	95	125974	39.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.54%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.20	59	7825	36.679	ug/l #	83
16) Acetone	4.12	43	194649	256.063	ug/l	98
17) Carbon Disulfide	4.38	76	47222	10.795	ug/l	97
18) Methyl Acetate	4.68	43	11686	6.552	ug/l	94
20) Methylene Chloride	4.91	84	14114	5.935	ug/l	93
25) 2-Butanone	7.17	43	43073	55.134	ug/l	98
29) Tetrahydrofuran	7.54	42	4244	6.914	ug/l #	63

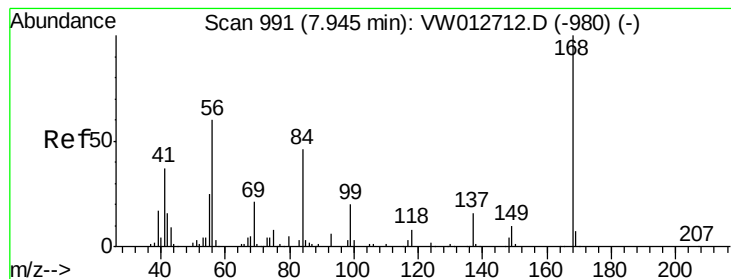
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012920.D

Acq: 11 Sep 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

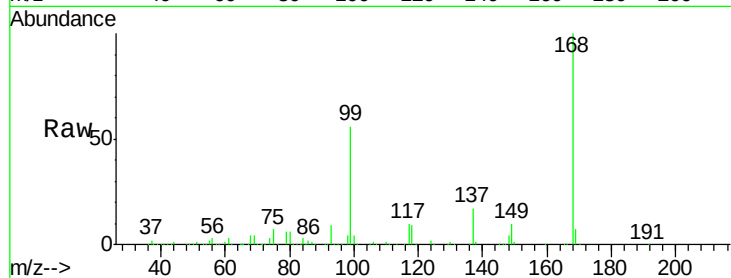
20190666-FIELD-DUPLICATE

Tot Ion:168 Resp: 249555

Ion Ratio Lower Upper

168 100

99 55.9 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

120000

100000

80000

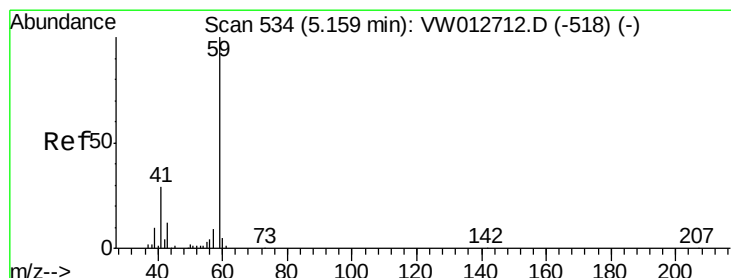
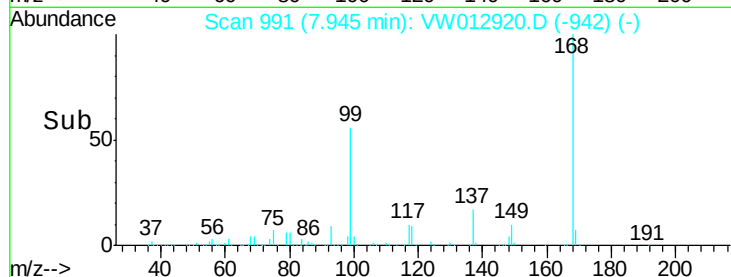
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 36.679 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.04 min

Lab File: VW012920.D

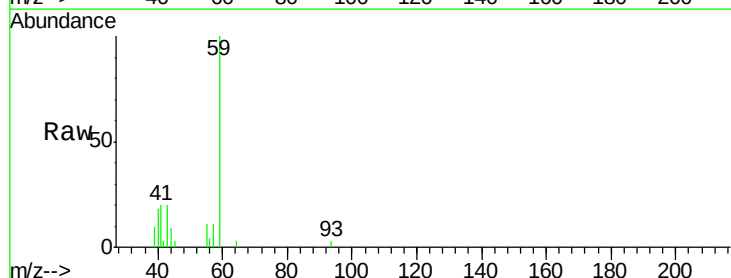
Acq: 11 Sep 2019 16:27

Tgt Ion: 59 Resp: 7825

Ion Ratio Lower Upper

59 100

57 3.9 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

2000

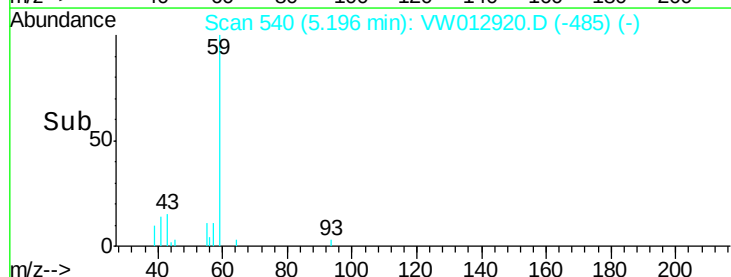
1500

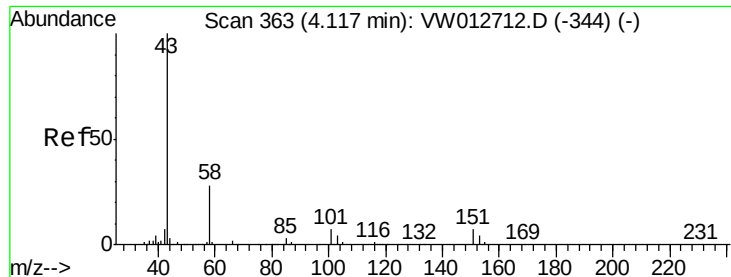
1000

500

0

Time--> 5.10 5.20 5.30





#16

Acetone

Concen: 256.063 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012920.D

Acq: 11 Sep 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

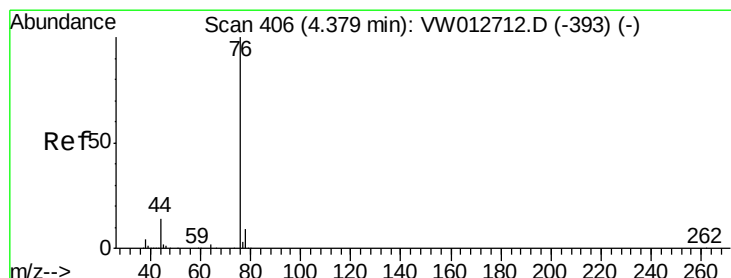
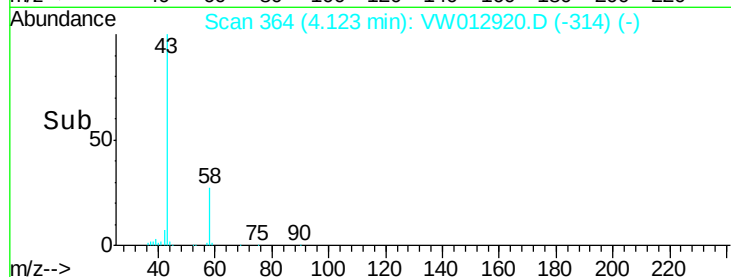
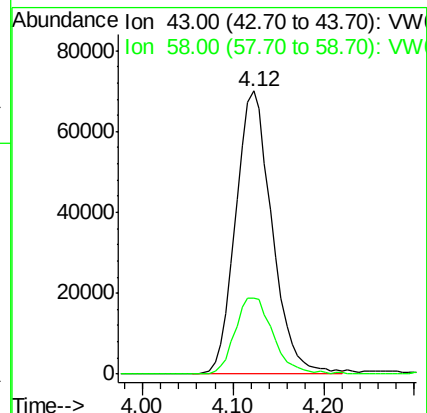
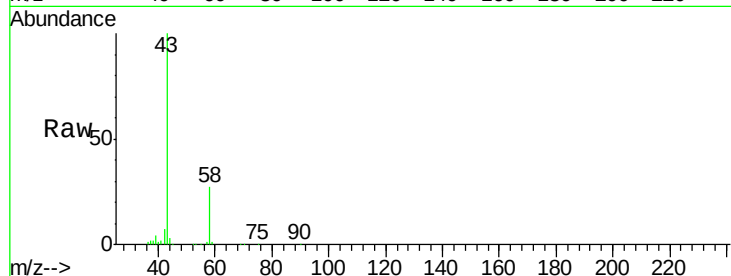
20190666-FIELD-DUPLICATE

Tot Ion: 43 Resp: 194649

Ion Ratio Lower Upper

43 100

58 26.9 22.6 33.8



#17

Carbon Disulfide

Concen: 10.795 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW012920.D

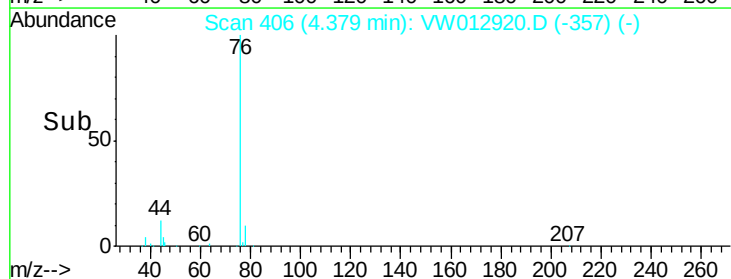
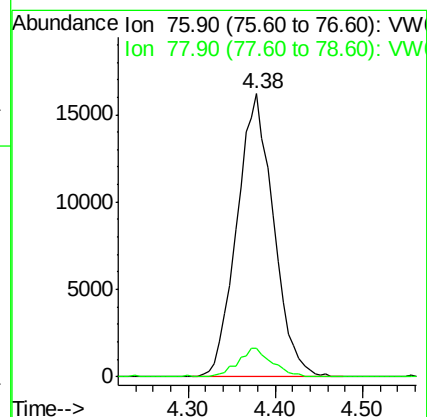
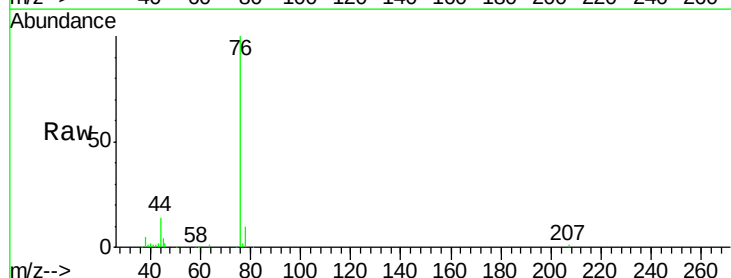
Acq: 11 Sep 2019 16:27

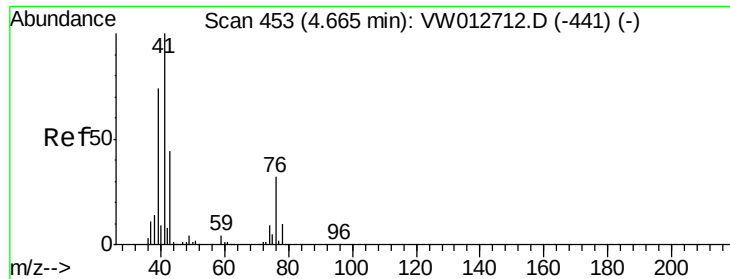
Tgt Ion: 76 Resp: 47222

Ion Ratio Lower Upper

76 100

78 10.0 7.2 10.8

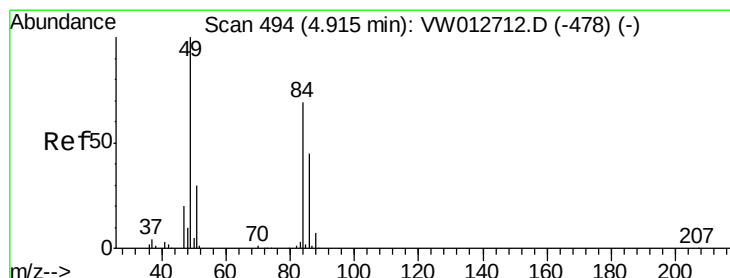
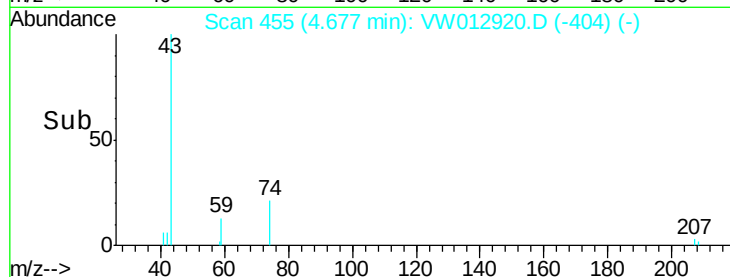
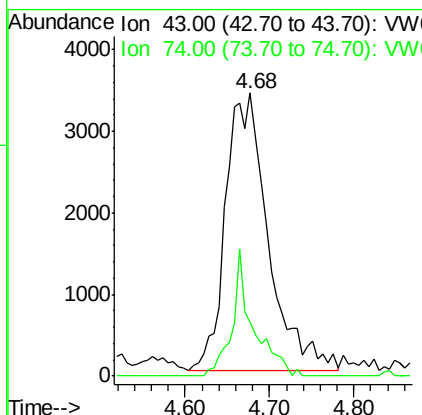
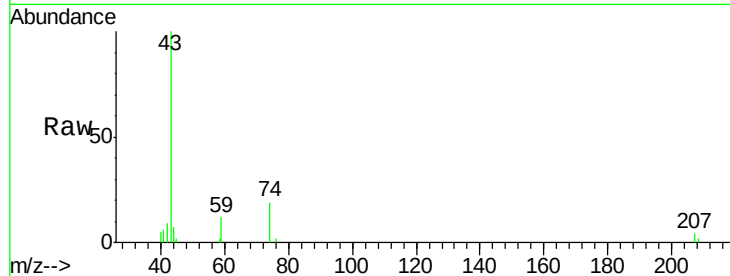




#18
Methyl Acetate
Concen: 6.552 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW012920.D
Acq: 11 Sep 2019 16:27

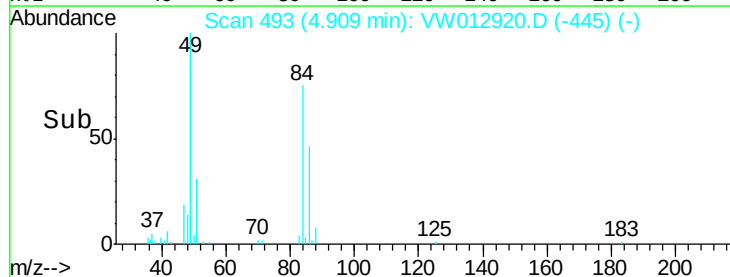
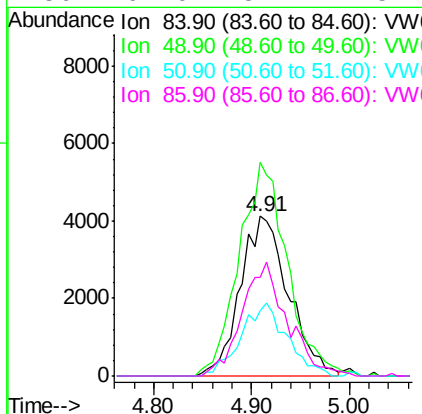
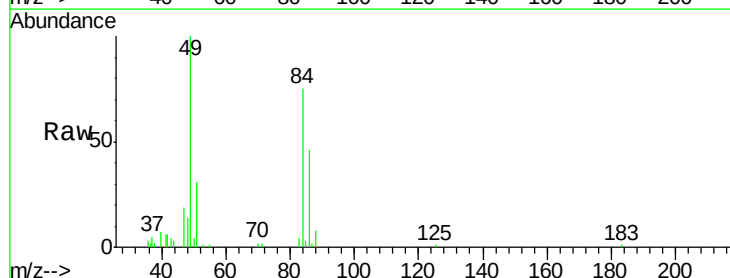
Instrument :
MSVOA_W
ClientSampleId :
20190666-FIELD-DUPLICATE

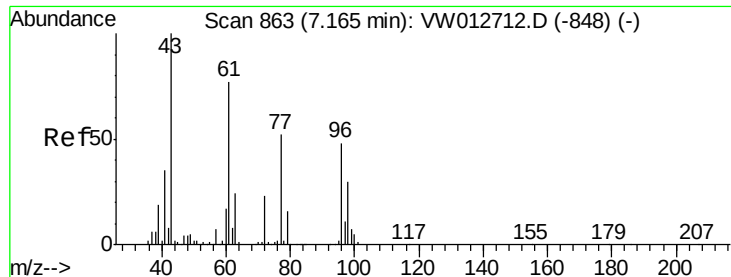
Tot Ion: 43 Resp: 11686
Ion Ratio Lower Upper
43 100
74 22.6 15.8 23.6



#20
Methylene Chloride
Concen: 5.935 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012920.D
Acq: 11 Sep 2019 16:27

Tgt Ion: 84 Resp: 14114
Ion Ratio Lower Upper
84 100
49 133.7 115.4 173.0
51 41.0 34.9 52.3
86 62.0 52.2 78.4





#25

2-Butanone

Concen: 55.134 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012920.D

Acq: 11 Sep 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

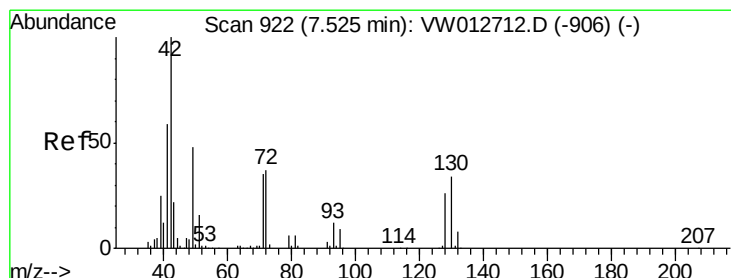
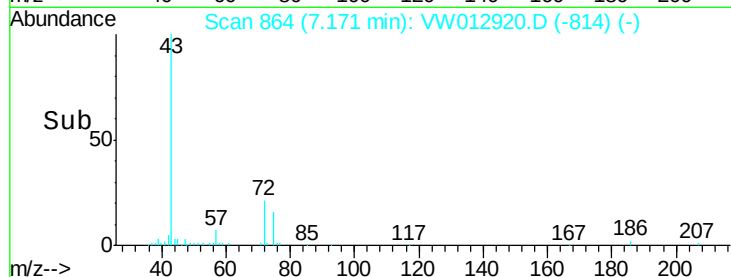
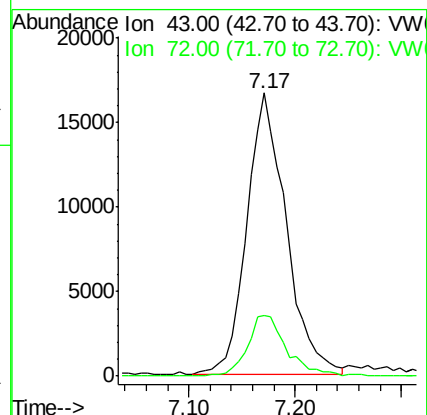
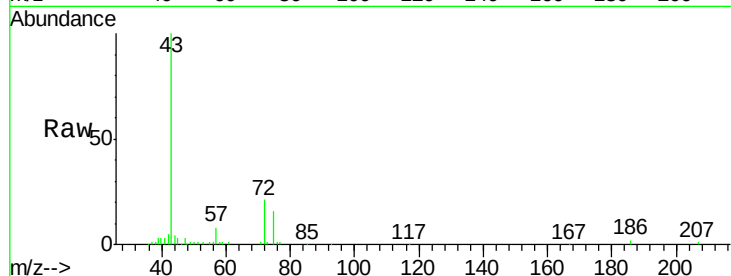
20190666-FIELD-DUPLICATE

Tot Ion: 43 Resp: 43073

Ion Ratio Lower Upper

43 100

72 21.4 18.0 27.0



#29

Tetrahydrofuran

Concen: 6.914 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012920.D

Acq: 11 Sep 2019 16:27

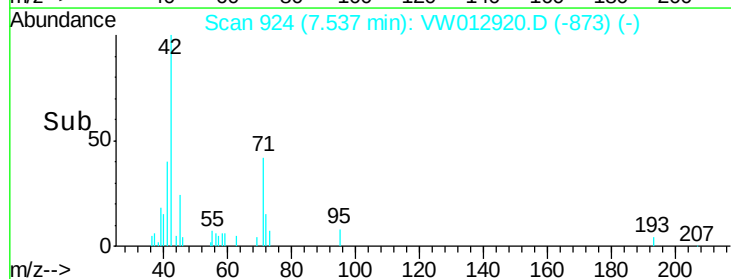
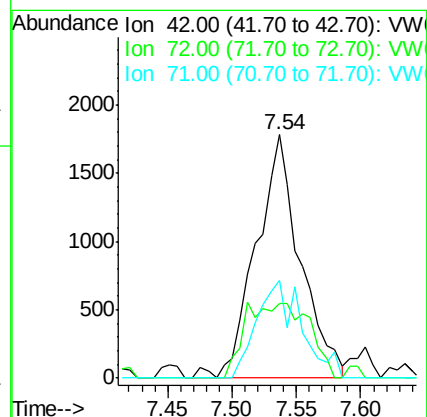
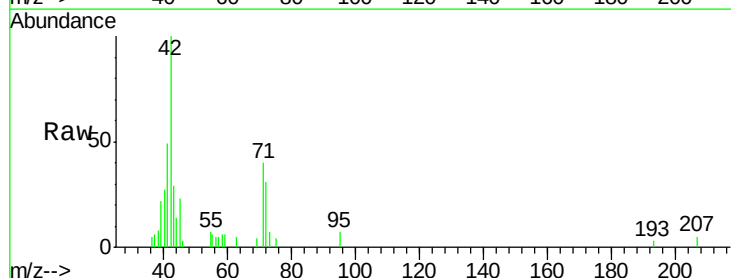
Tgt Ion: 42 Resp: 4244

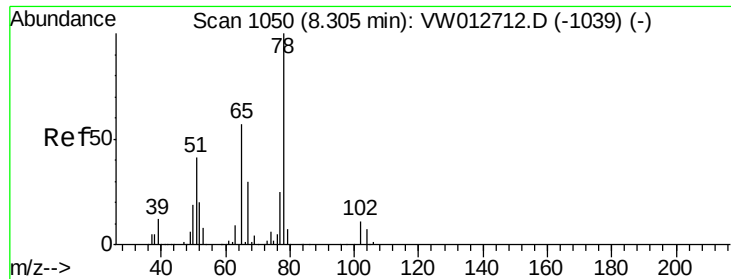
Ion Ratio Lower Upper

42 100

72 0.0 28.4 42.6#

71 40.6 27.1 40.7

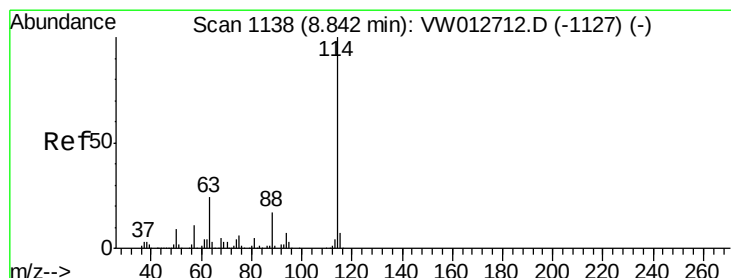
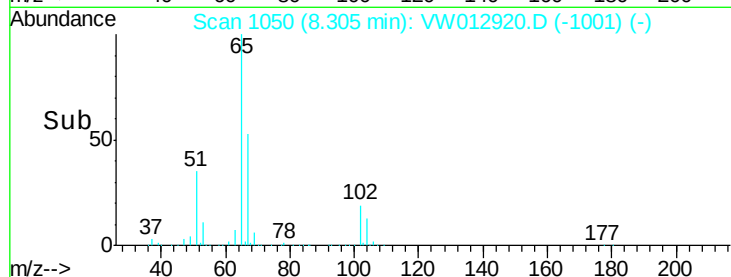
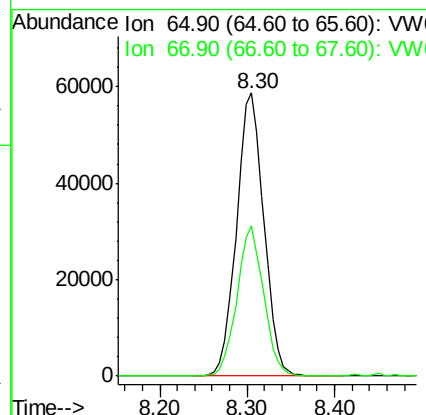
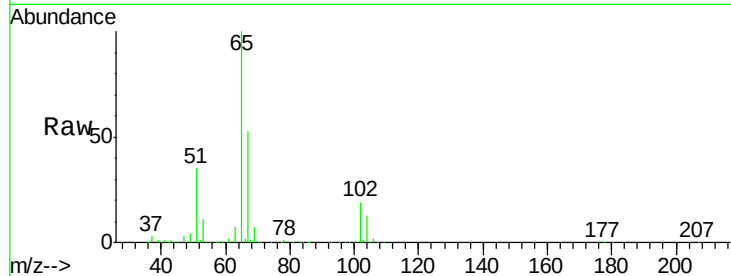




#33
 1,2-Dichloroethane-d4
 Concen: 45.777 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012920.D
 Acq: 11 Sep 2019 16:27

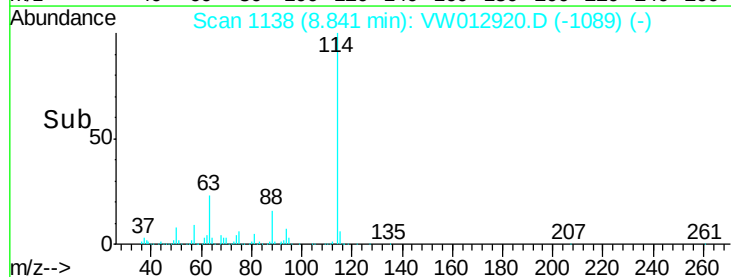
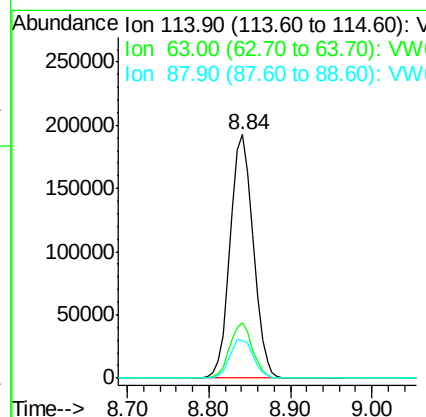
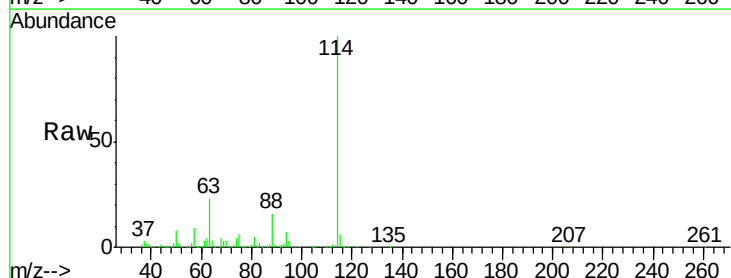
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 20190666-FIELD-DUPLICATE

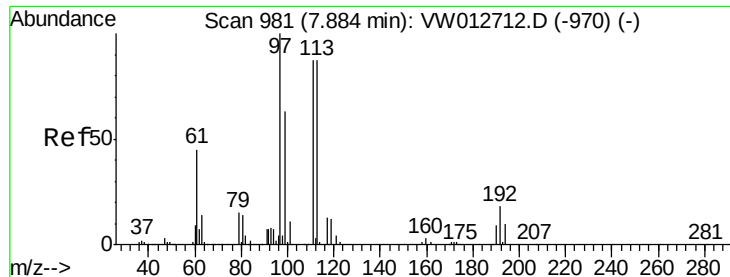
Tot Ion: 65 Resp: 127642
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012920.D
 Acq: 11 Sep 2019 16:27

Tgt Ion: 114 Resp: 374593
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.2
 88 15.7 0.0 34.0

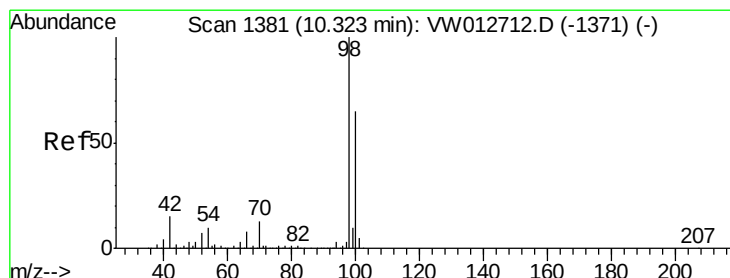
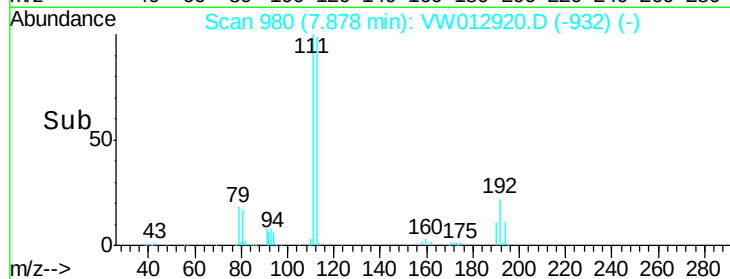
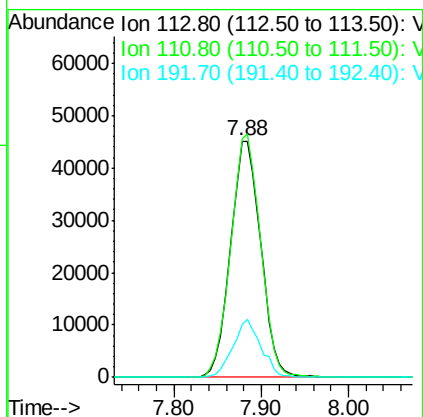
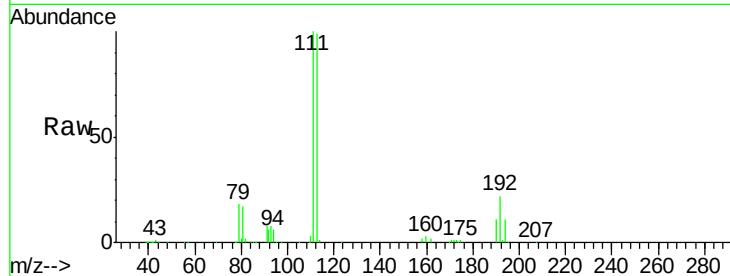




#35
 Dibromofluoromethane
 Concen: 48.831 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012920.D
 Acq: 11 Sep 2019 16:27

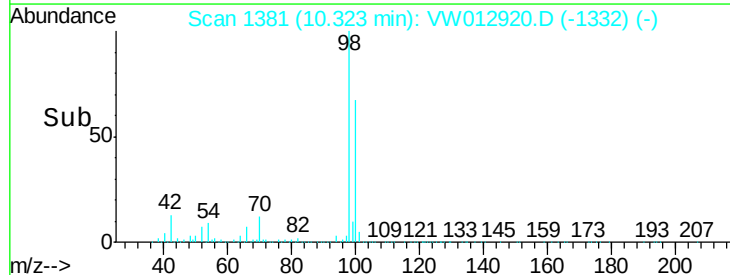
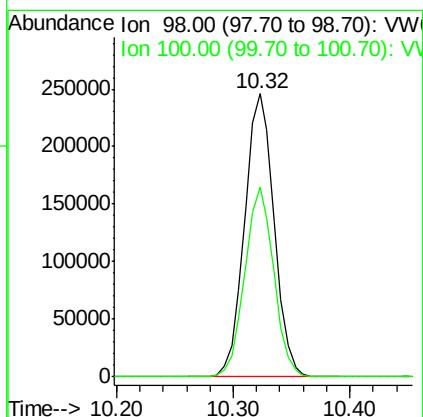
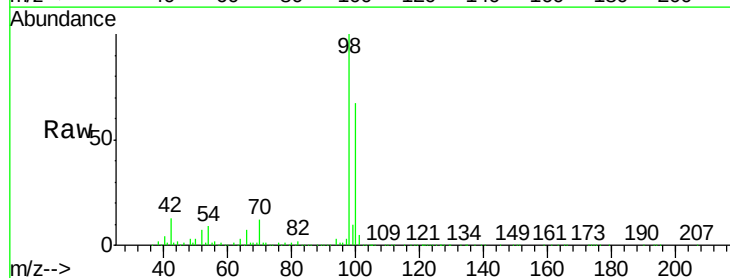
Instrument :
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 20190666-FIELD-DUPLICATE

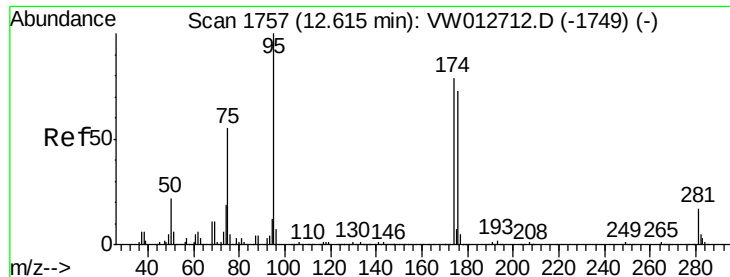
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.2	120.4
192	22.8	17.3	25.9



#50
 Toluene-d8
 Concen: 49.617 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012920.D
 Acq: 11 Sep 2019 16:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.4





#62

4-Bromofluorobenzene

Concen: 39.771 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012920.D

Acq: 11 Sep 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

20190666-FIELD-DUPLICATE

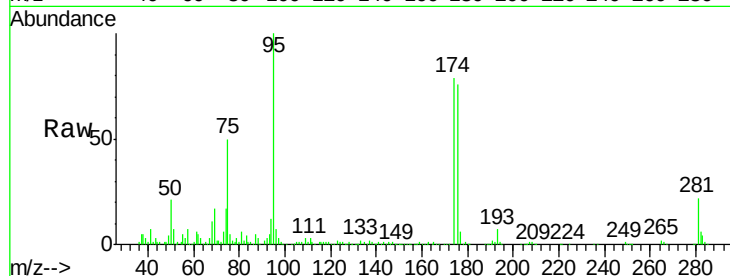
Tot Ion: 95 Resp: 125974

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.0

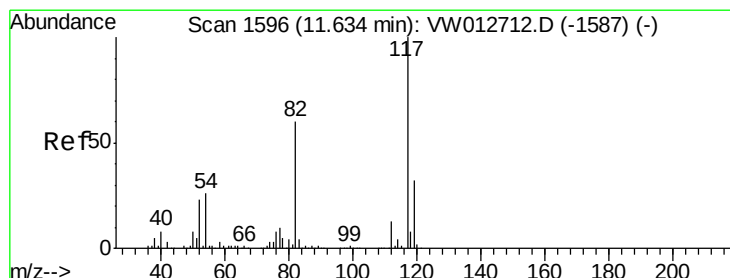
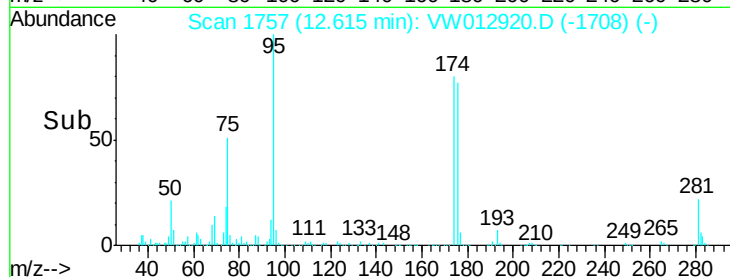
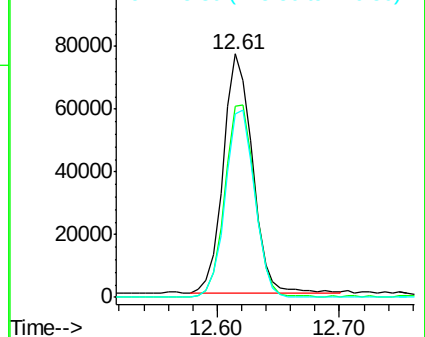
176 78.5 0.0 156.4



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# 1595

Delta R.T. -0.01 min

Lab File: VW012920.D

Acq: 11 Sep 2019 16:27

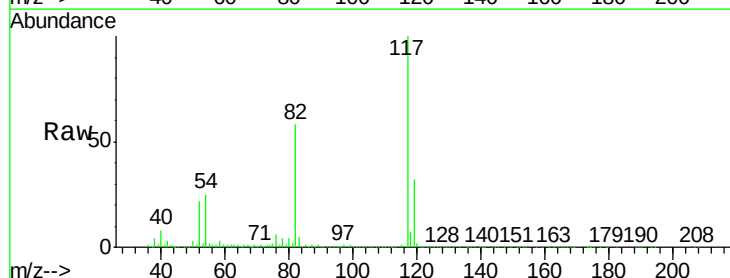
Tgt Ion: 117 Resp: 288866

Ion Ratio Lower Upper

117 100

82 58.3 48.2 72.4

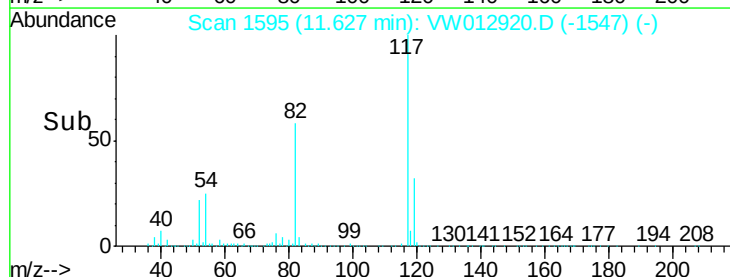
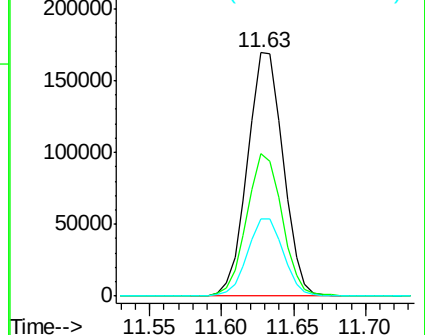
119 31.6 25.8 38.6

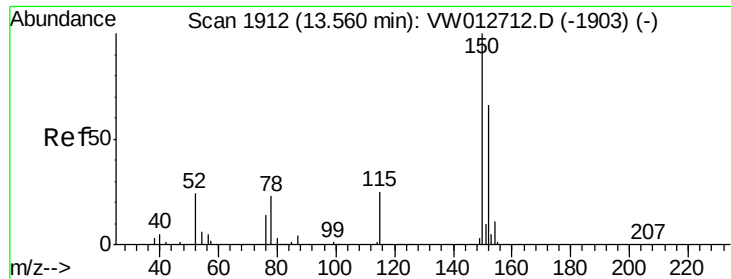


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012920.D

Acq: 11 Sep 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

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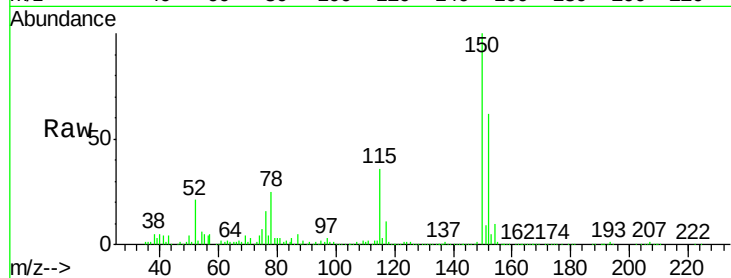
Tot Ion:152 Resp: 98277

Ion Ratio Lower Upper

152 100

115 57.6 30.0 90.1

150 155.1 0.0 349.0



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

