

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091119\
 Data File : VW012915.D
 Acq On : 11 Sep 2019 14:17
 Operator : SY/VA
 Sample : K4625-03
 Misc : 5.99G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MM-01

Quant Time: Sep 12 08:04:53 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

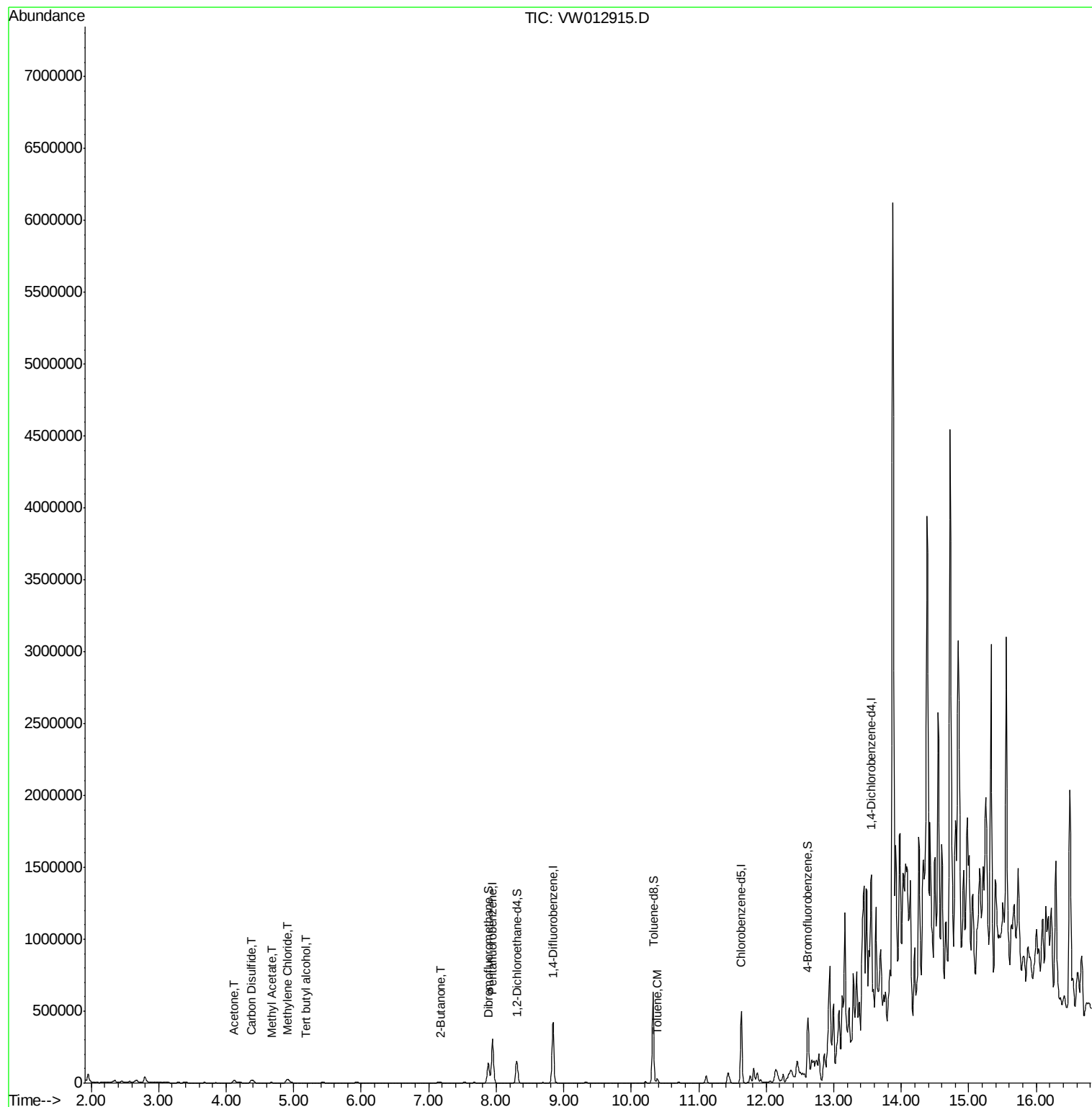
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	229481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	274356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	107669	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	125052	48.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.54%	
35) Dibromofluoromethane	7.88	113	101085	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.62%	
50) Toluene-d8	10.32	98	399900	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.62	95	119414	40.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.92%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.18	59	5337	27.205	ug/l #	88
16) Acetone	4.12	43	38675	55.328	ug/l	99
17) Carbon Disulfide	4.37	76	44264	11.004	ug/l	100
18) Methyl Acetate	4.68	43	8184	4.990	ug/l #	57
20) Methylene Chloride	4.91	84	20692	9.462	ug/l	95
25) 2-Butanone	7.18	43	4520	23.726	ug/l #	72
52) Toluene	10.38	92	13305	2.508	ug/l	95

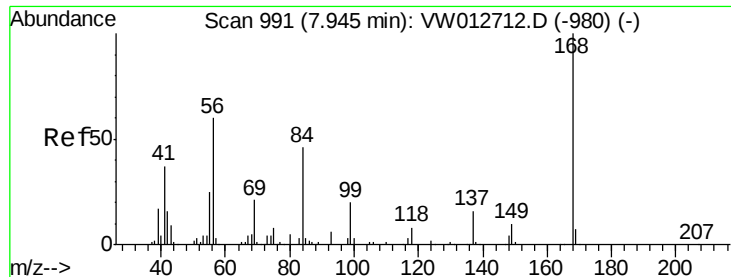
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012915.D

Acq: 11 Sep 2019 14:17

Instrument :

MSVOA_W

ClientSampled :

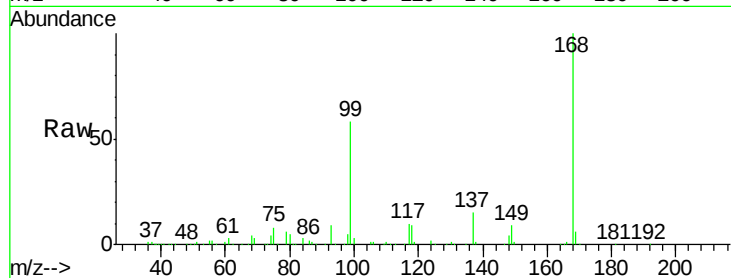
MM-01

Tot Ion:168 Resp: 229481

Ion Ratio Lower Upper

168 100

99 57.7 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

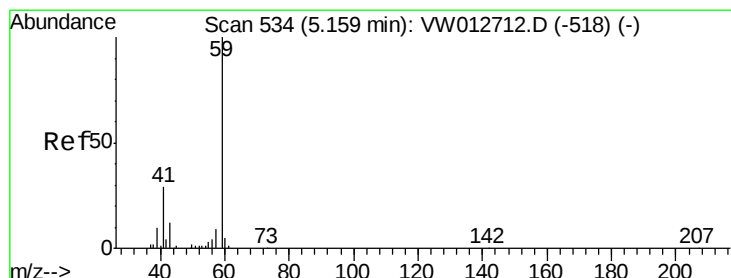
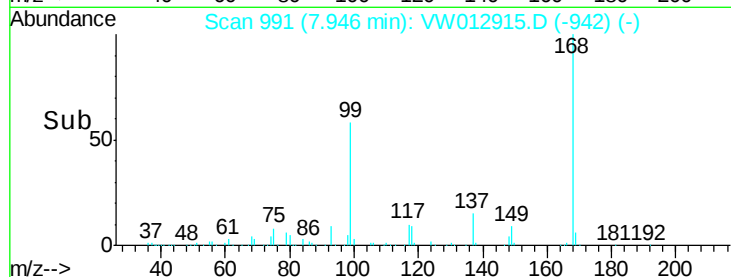
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 27.205 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.02 min

Lab File: VW012915.D

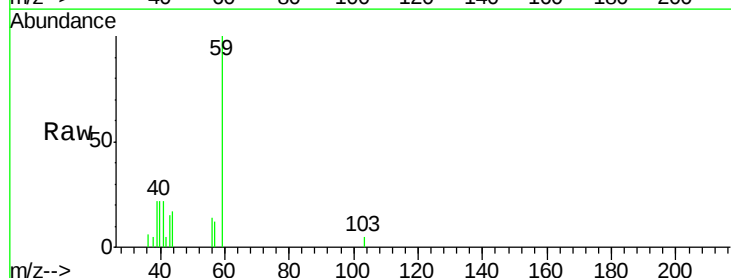
Acq: 11 Sep 2019 14:17

Tgt Ion: 59 Resp: 5337

Ion Ratio Lower Upper

59 100

57 5.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

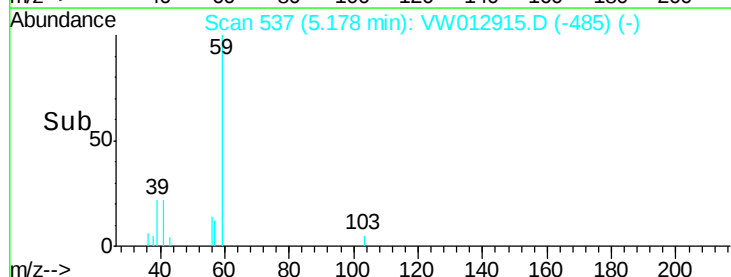
1500

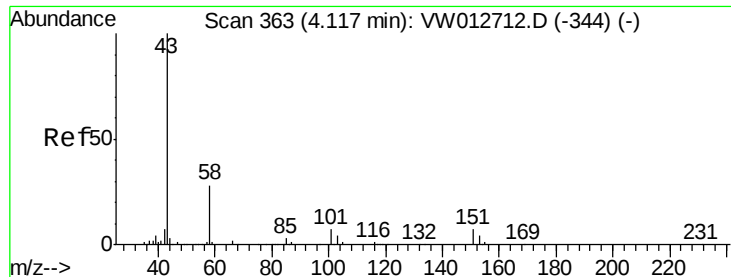
1000

500

0

Time-->





#16

Acetone

Concen: 55.328 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012915.D

Acq: 11 Sep 2019 14:17

Instrument :

MSVOA_W

ClientSampled :

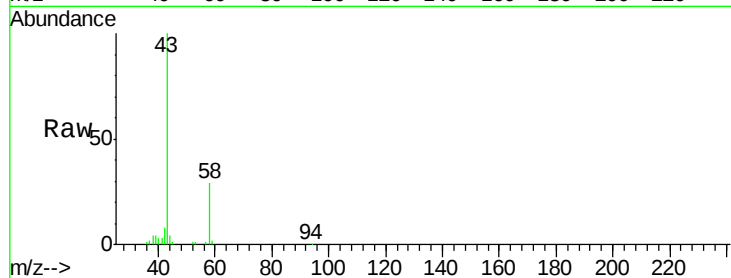
MM-01

Tot Ion: 43 Resp: 38675

Ion Ratio Lower Upper

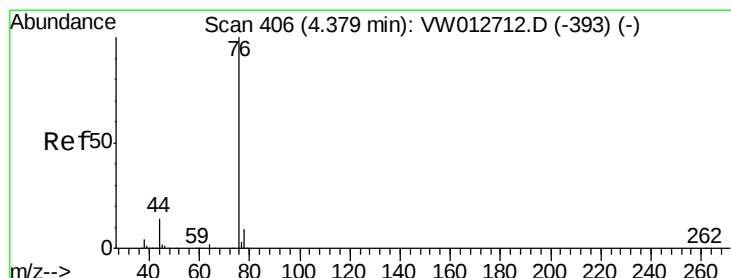
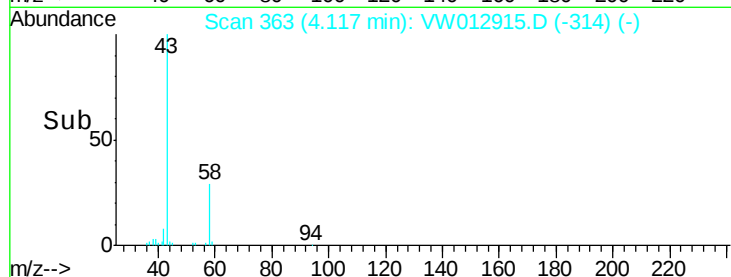
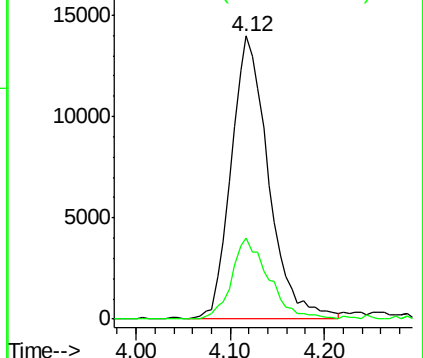
43 100

58 28.7 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 11.004 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012915.D

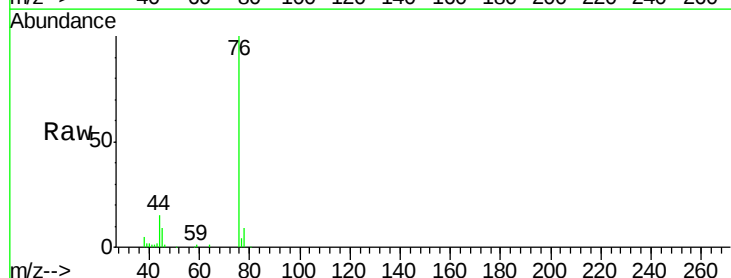
Acq: 11 Sep 2019 14:17

Tgt Ion: 76 Resp: 44264

Ion Ratio Lower Upper

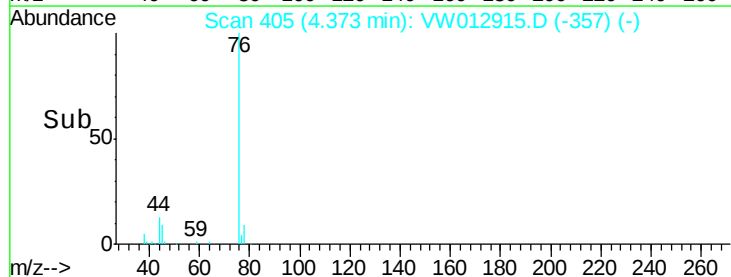
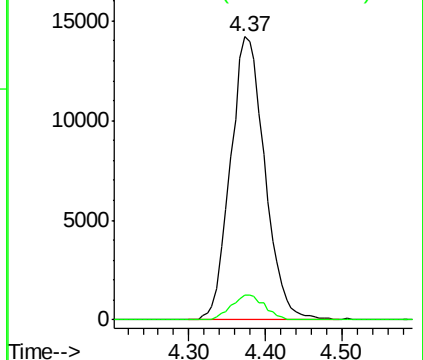
76 100

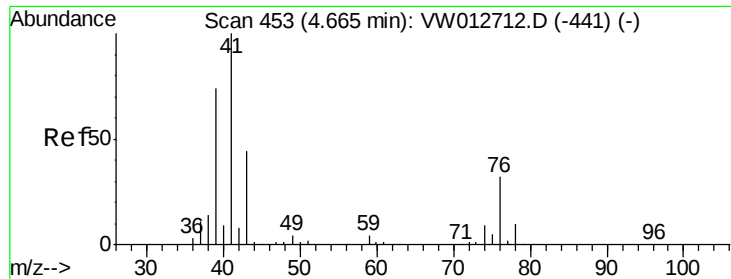
78 9.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

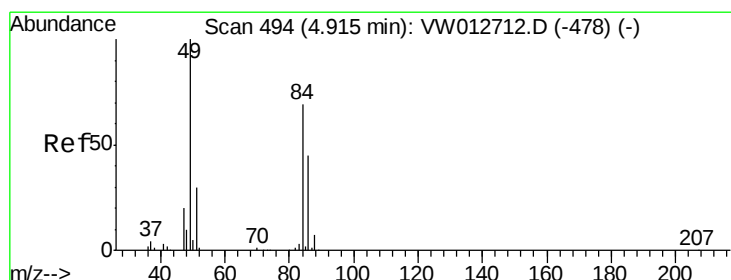
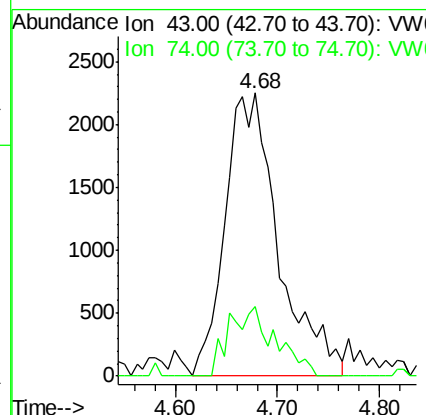
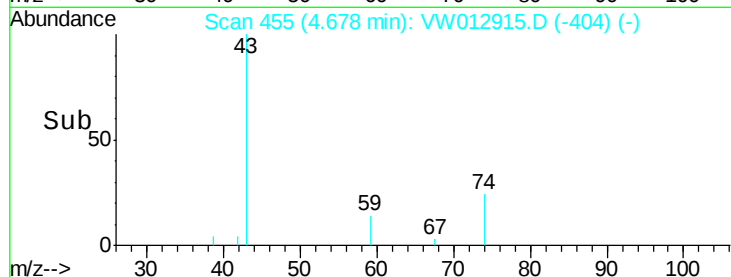
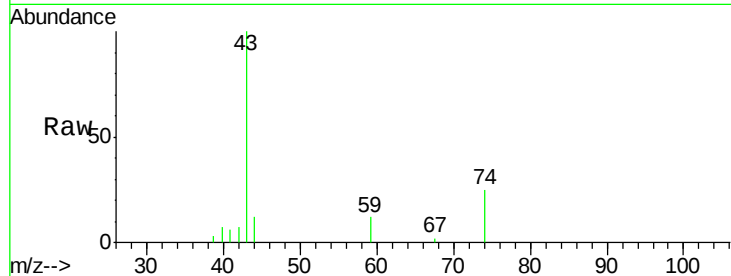




#18
Methyl Acetate
Concen: 4.990 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW012915.D
Acq: 11 Sep 2019 14:17

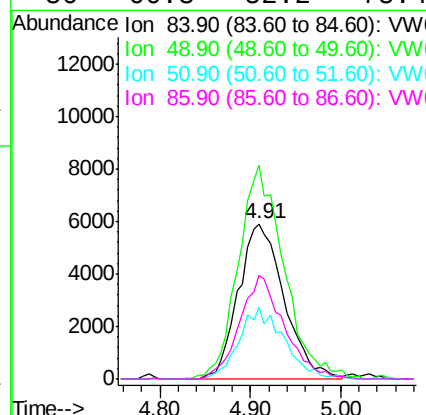
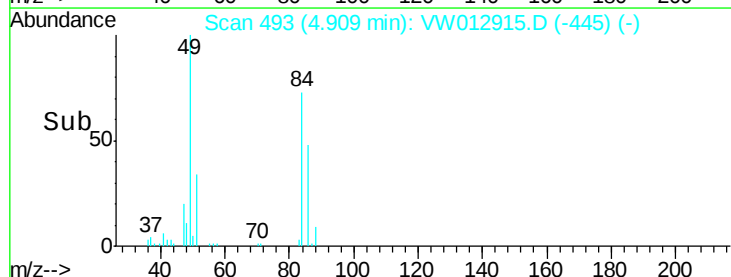
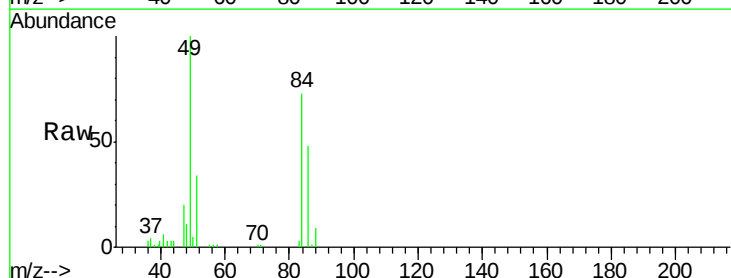
Instrument :
MSVOA_W
ClientSampled :
MM-01

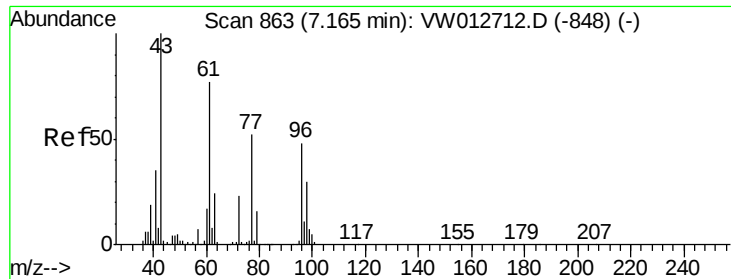
Tot Ion: 43 Resp: 8184
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.6#



#20
Methylene Chloride
Concen: 9.462 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012915.D
Acq: 11 Sep 2019 14:17

Tgt Ion: 84 Resp: 20692
Ion Ratio Lower Upper
84 100
49 136.1 115.4 173.0
51 46.1 34.9 52.3
86 66.3 52.2 78.4

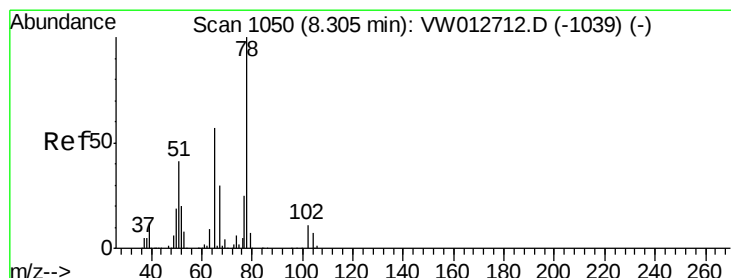
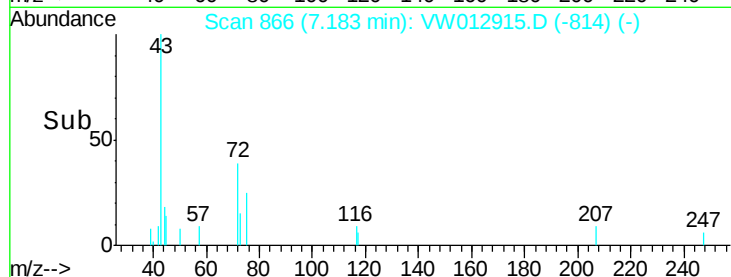
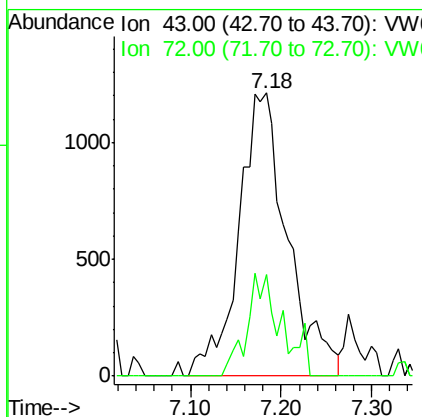
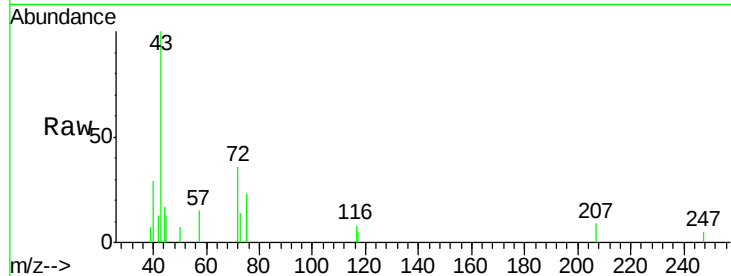




#25
 2-Butanone
 Concen: 23.726 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. 0.02 min
 Lab File: VW012915.D
 Acq: 11 Sep 2019 14:17

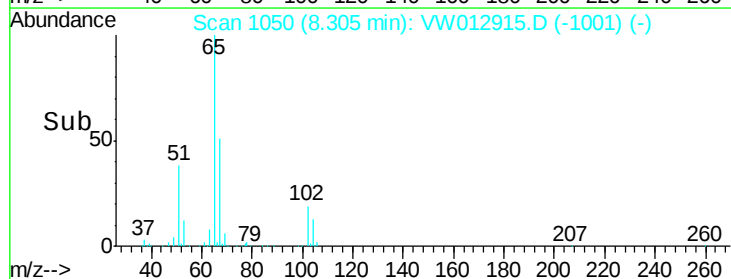
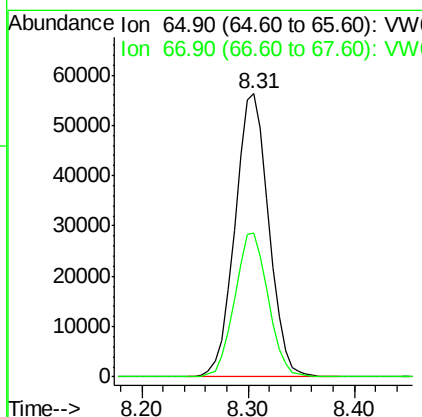
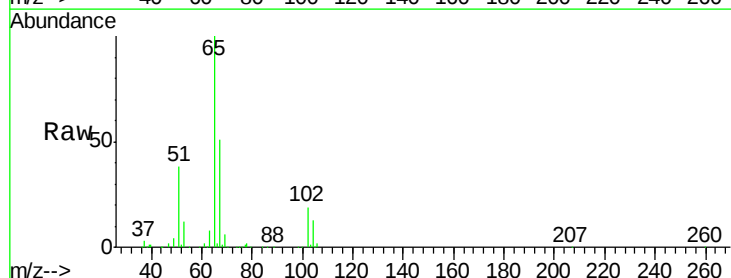
Instrument :
 MSVOA_W
 ClientSampleID :
 MM-01

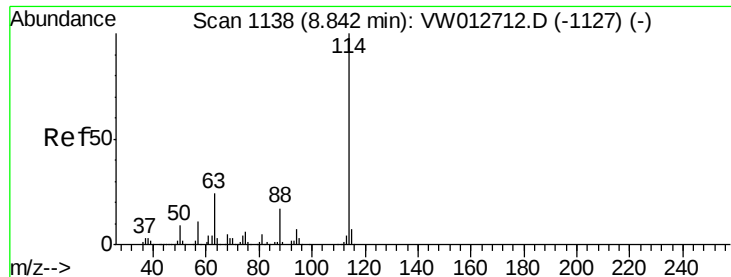
Tot Ion: 43 Resp: 4520
 Ion Ratio Lower Upper
 43 100
 72 36.0 18.0 27.0#



#33
 1,2-Dichloroethane-d4
 Concen: 48.771 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012915.D
 Acq: 11 Sep 2019 14:17

Tgt Ion: 65 Resp: 125052
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.8

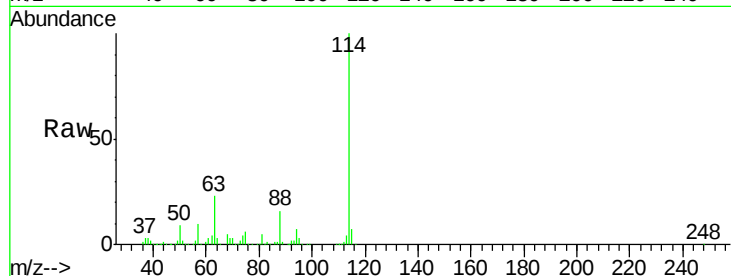




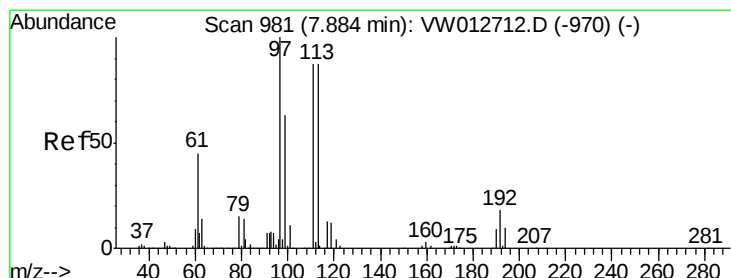
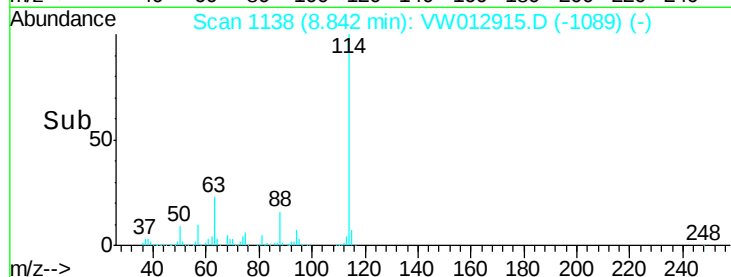
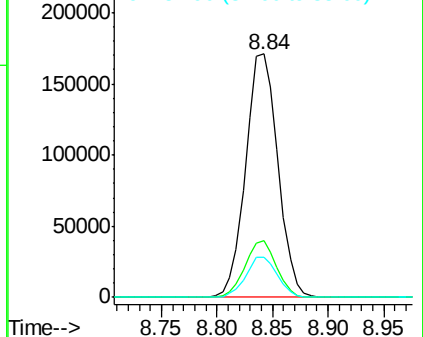
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012915.D
 Acq: 11 Sep 2019 14:17

Instrument :
 MSVOA_W
 ClientSampleId :
 MM-01

Tot Ion:114 Resp: 344784
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 47.2
 88 16.3 0.0 34.0

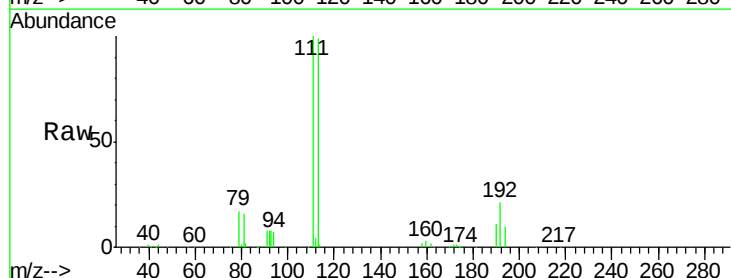


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

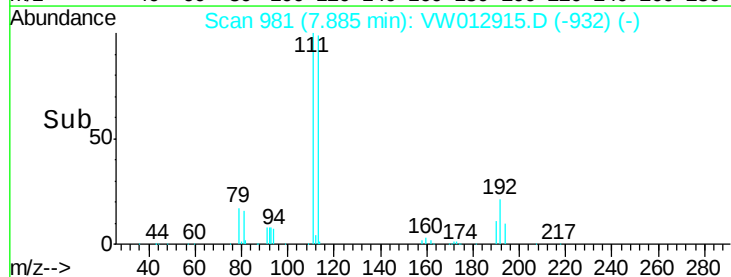
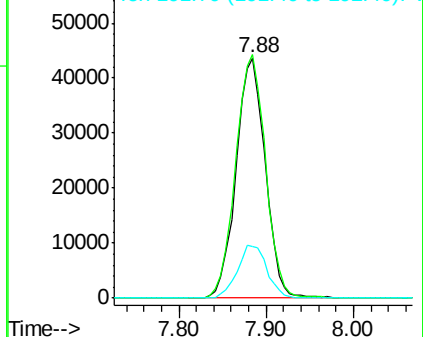


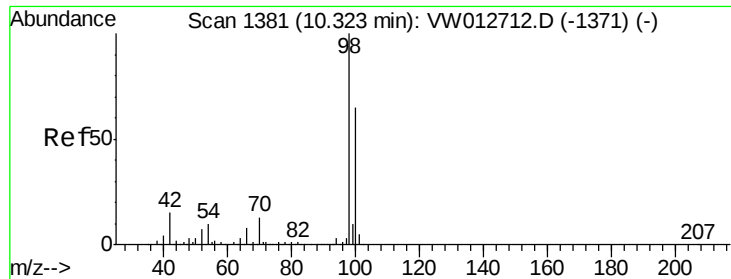
#35
 Dibromofluoromethane
 Concen: 49.314 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012915.D
 Acq: 11 Sep 2019 14:17

Tgt Ion:113 Resp: 101085
 Ion Ratio Lower Upper
 113 100
 111 103.9 80.2 120.4
 192 22.3 17.3 25.9



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

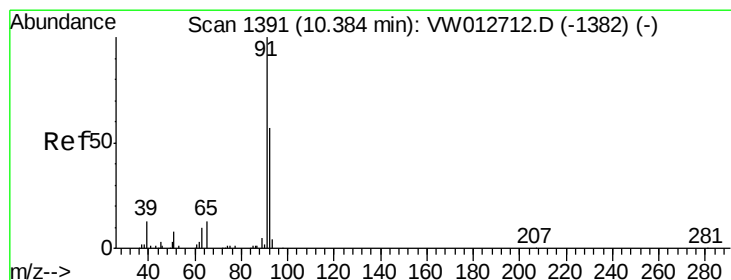
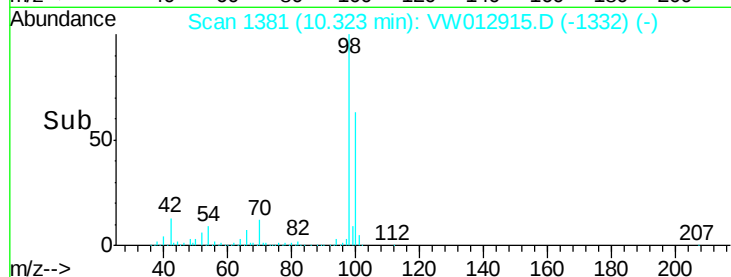
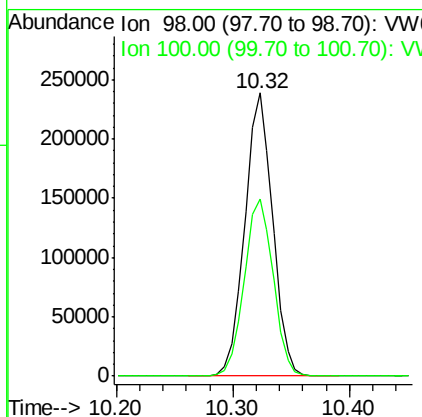
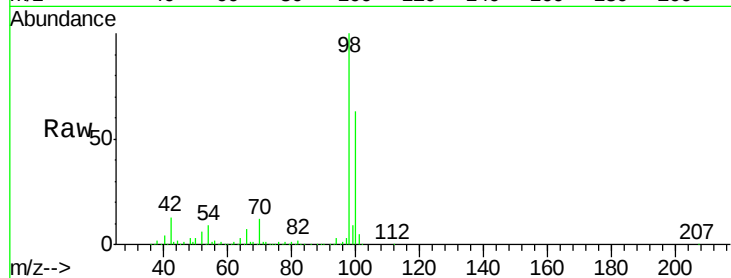




#50
Toluene-d8
Concen: 49.796 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012915.D
Acq: 11 Sep 2019 14:17

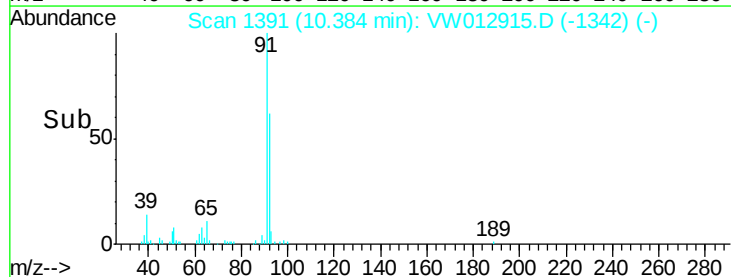
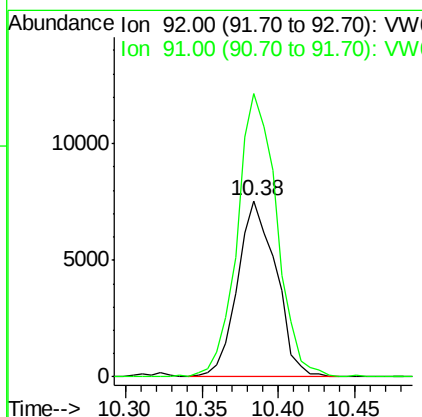
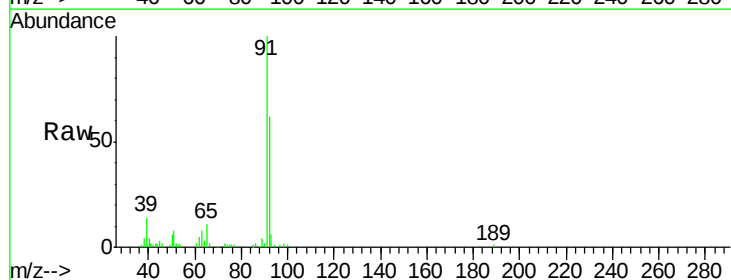
Instrument :
MSVOA_W
ClientSampled :
MM-01

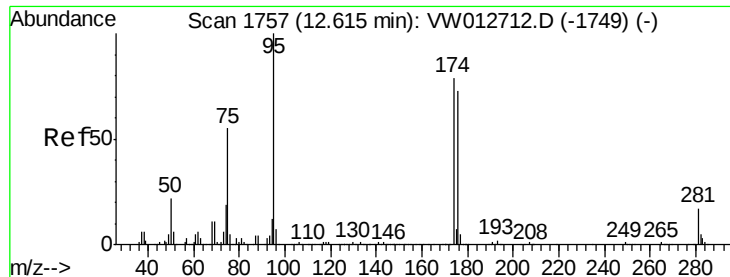
Tot Ion: 98 Resp: 399900
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#52
Toluene
Concen: 2.508 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW012915.D
Acq: 11 Sep 2019 14:17

Tgt Ion: 92 Resp: 13305
Ion Ratio Lower Upper
92 100
91 163.9 137.0 205.4





#62

4-Bromofluorobenzene

Concen: 40.959 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012915.D

Acq: 11 Sep 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

MM-01

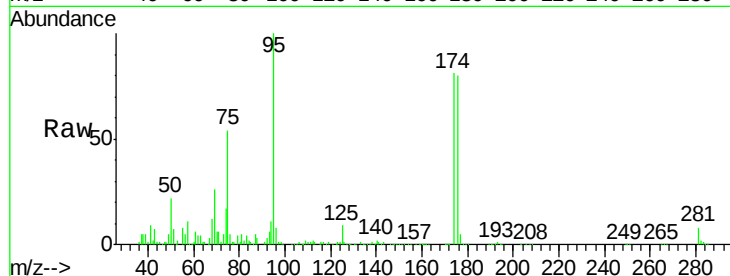
Tot Ion: 95 Resp: 119414

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.0

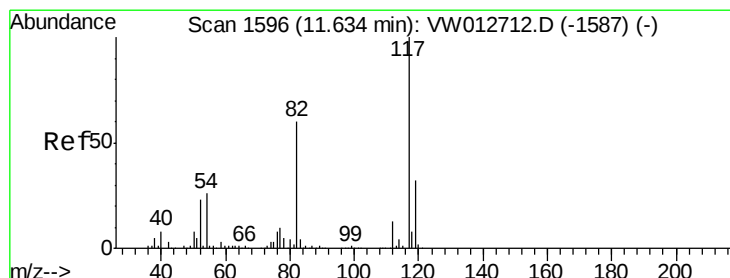
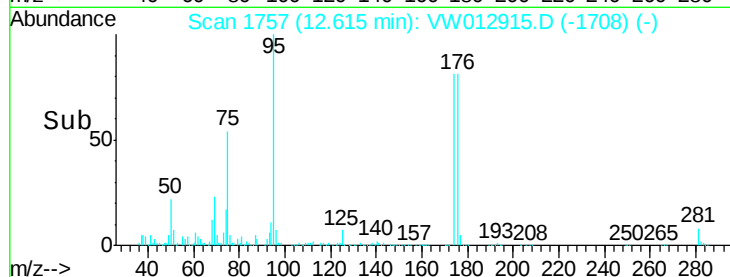
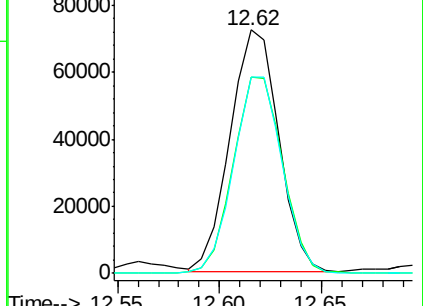
176 81.4 0.0 156.4



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: VW012915.D

Acq: 11 Sep 2019 14:17

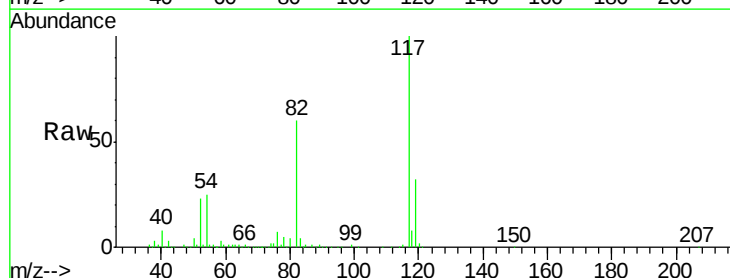
Tgt Ion: 117 Resp: 274356

Ion Ratio Lower Upper

117 100

82 59.5 48.2 72.4

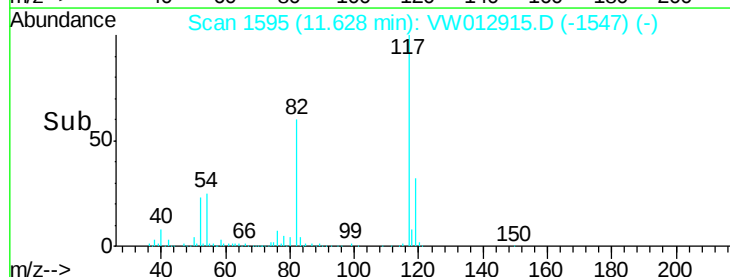
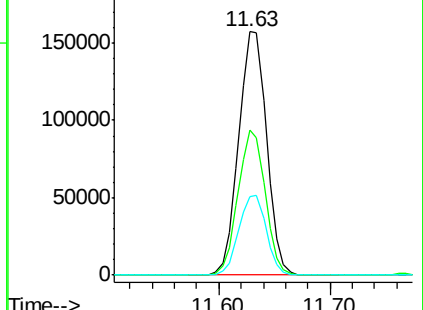
119 32.1 25.8 38.6

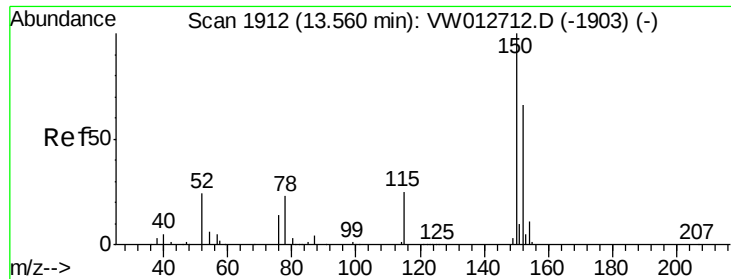


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012915.D

Acq: 11 Sep 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

MM-01

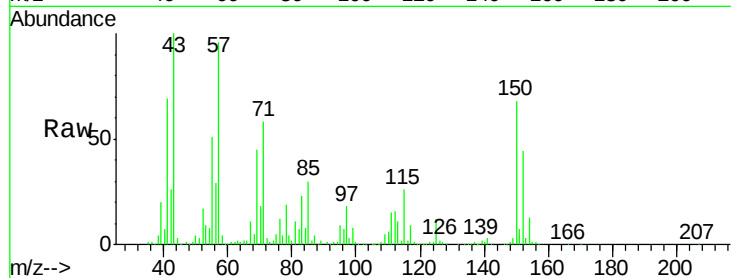
Tot Ion:152 Resp: 107669

Ion Ratio Lower Upper

152 100

115 53.5 30.0 90.1

150 143.0 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

