

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059913.D
 Acq On : 7 Aug 2018 10:43
 Operator : VA/AP
 Sample : J4298-02
 Misc : 2.86g/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-2

Manual Integrations
 APPROVED

apatel
 8/8/2018 11:55:53 AM

Quant Time: Aug 07 11:35:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	255426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	365564	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	310675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	159485	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	160245	34.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.60%	
35) Dibromofluoromethane	4.31	113	134588	37.00	ug/l	0.01
Spiked Amount 50.000			Recovery	=	74.00%	
50) Toluene-d8	7.72	98	279568	36.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.26%	
62) 4-Bromofluorobenzene	11.51	95	133775	30.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.52%	
Target Compounds						
20) Methylene Chloride	2.32	84	15676m	1.57	ug/l	Qvalue
95) Naphthalene	14.53	128	8531	1.32	ug/l #	85

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

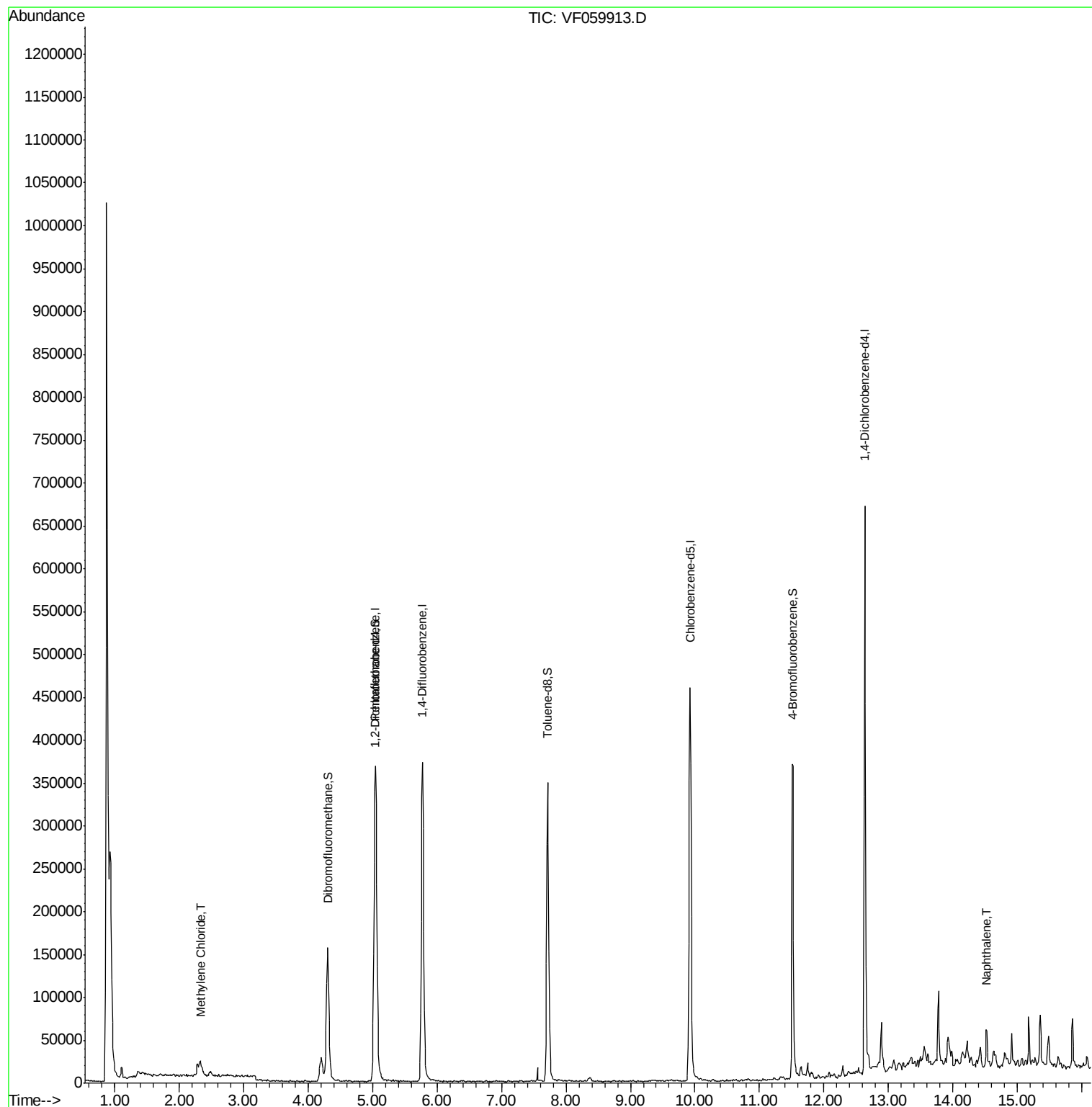
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080718\
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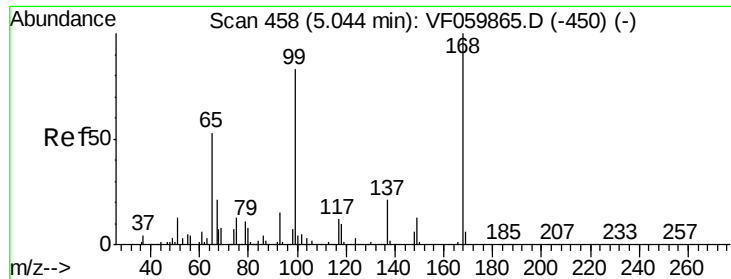
Instrument :
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#1

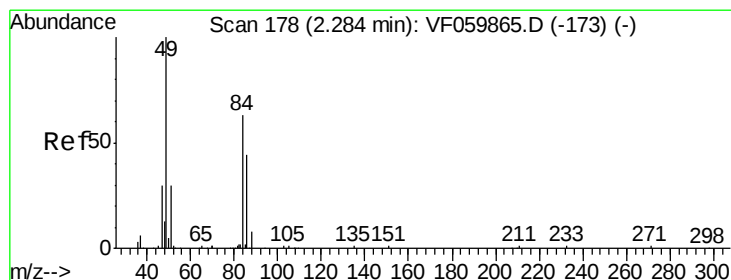
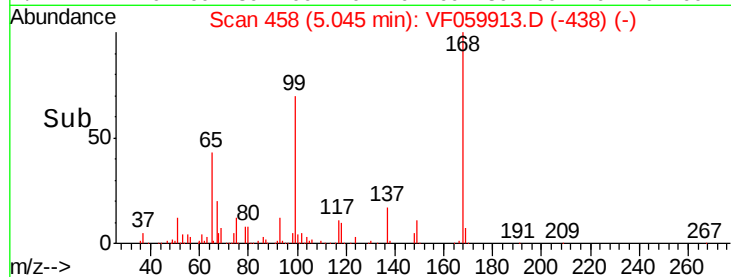
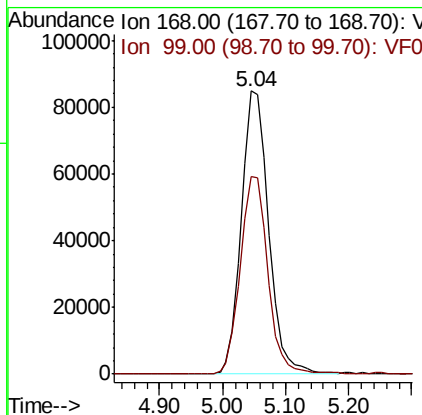
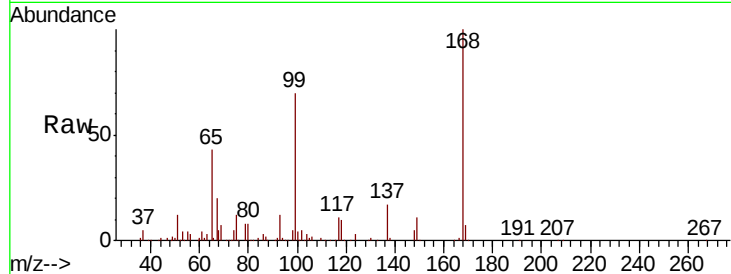
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: VF059913.D
 Acq: 7 Aug 2018 10:43

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-2

Tot Ion	Ratio	Resp	Lower	Upper
168	100	255426		
99	69.8	66.3	99.5	

Manual Integrations
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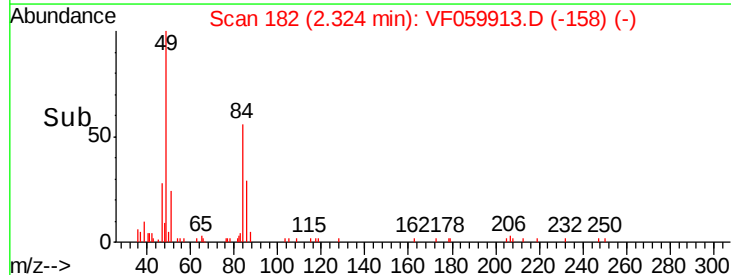
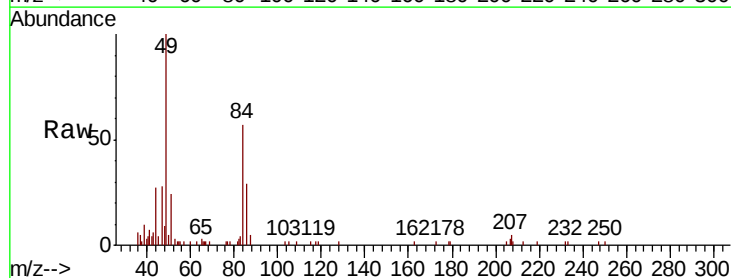
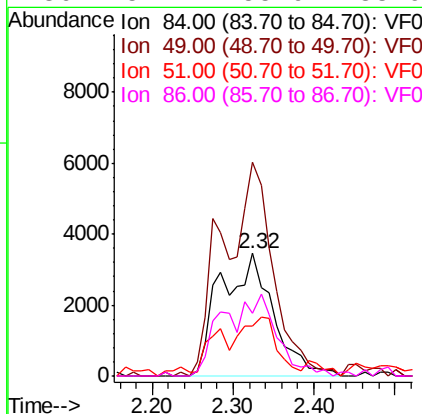
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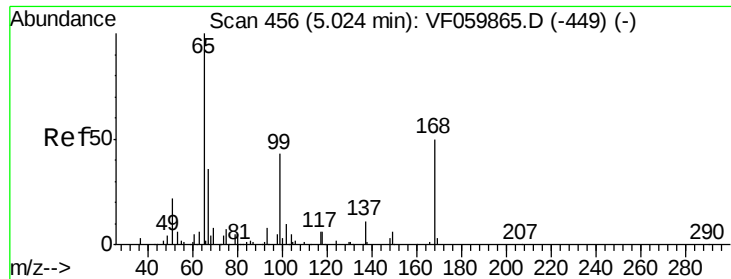


#20

Methylene Chloride
 Concen: 1.57 ug/l m
 RT: 2.32 min Scan# 182
 Delta R.T. 0.04 min
 Lab File: VF059913.D
 Acq: 7 Aug 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	15676		
49	174.4	128.7	193.1	
51	41.2	39.3	58.9	
86	51.1	55.9	83.9	#





#33

1,2-Dichloroethane-d4

Concen: 34.80 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

Instrument :

MSVOA_F

ClientSampled :

WC-2

Tot Ion: 65 Resp: 160245

Ion Ratio Lower Upper

65 100

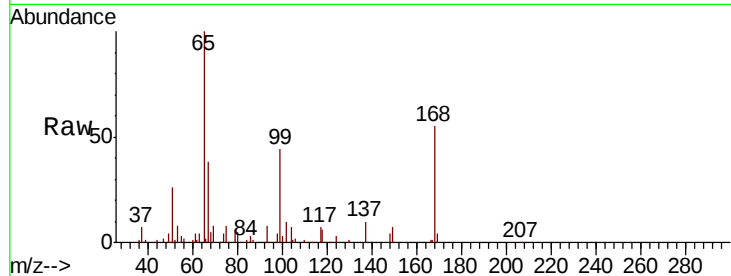
67 37.9 0.0 77.2

Manual Integrations

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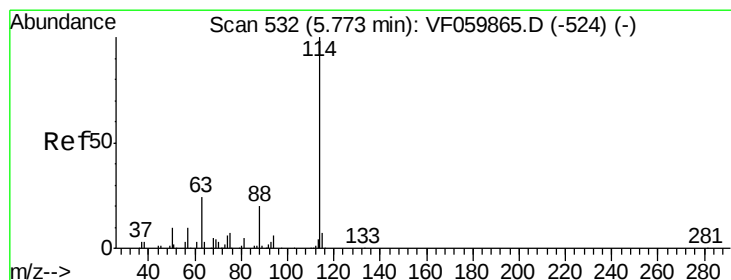
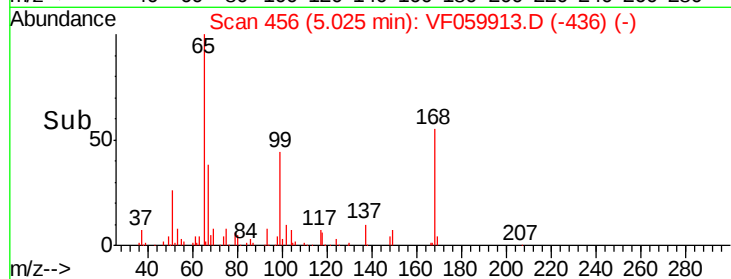
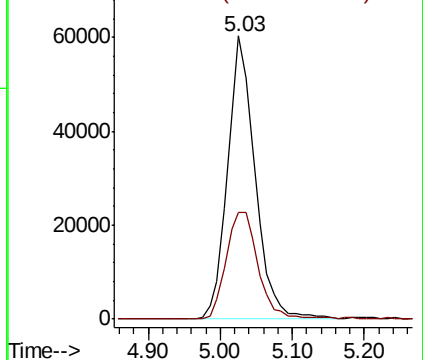
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

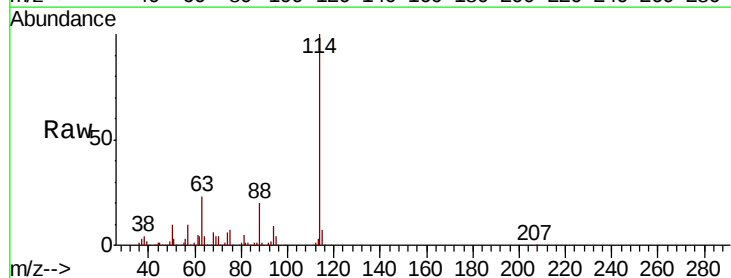
Tgt Ion: 114 Resp: 365564

Ion Ratio Lower Upper

114 100

63 23.3 0.0 48.0

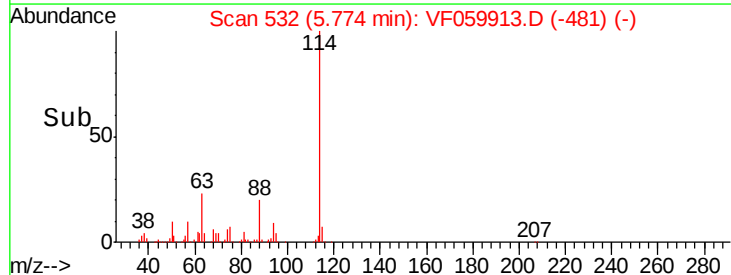
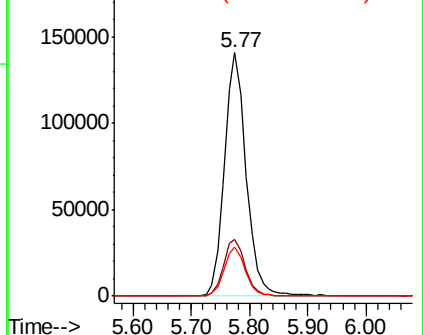
88 20.1 0.0 39.4

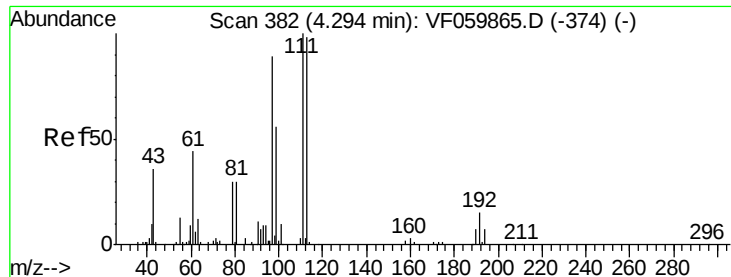


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 37.00 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

Instrument :

MSVOA_F

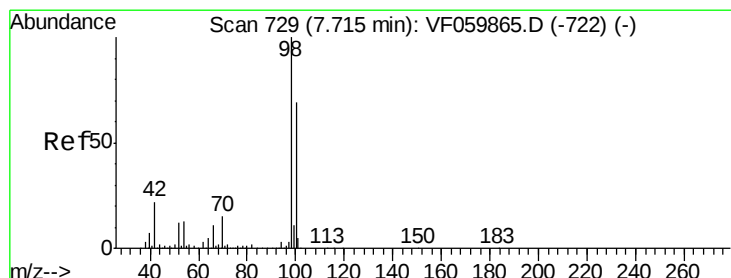
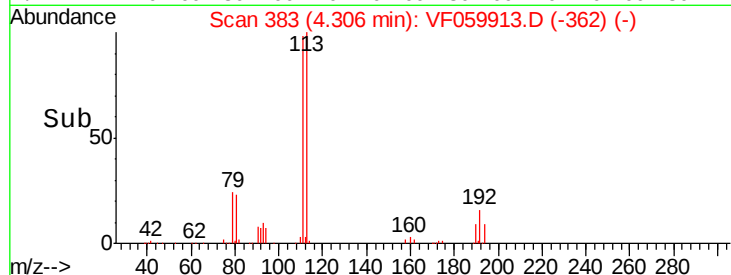
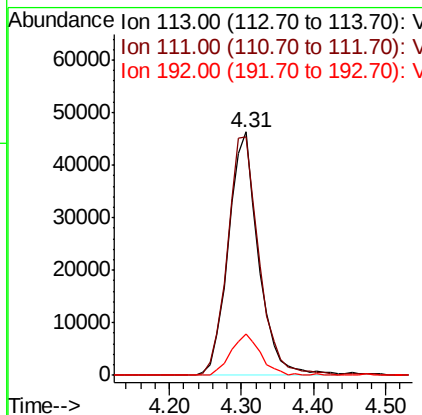
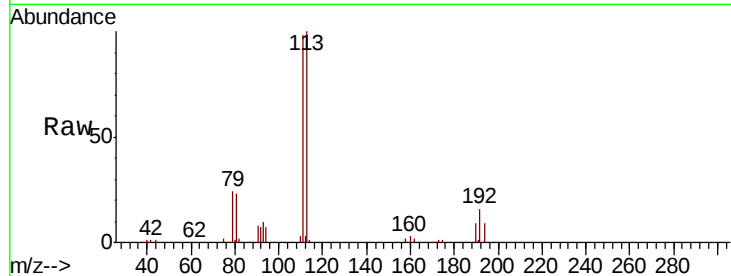
ClientSampled :

WC-2

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.7	81.8	122.8
192	16.8	12.4	18.6

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#50

Toluene-d8

Concen: 36.13 ug/l

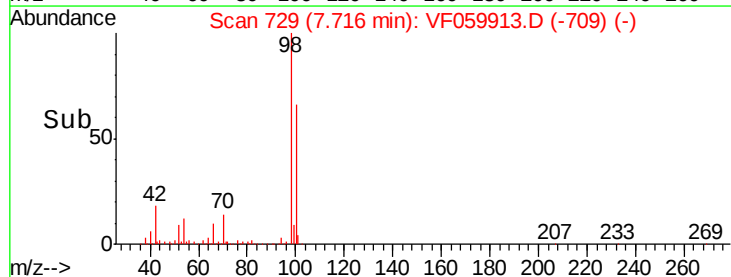
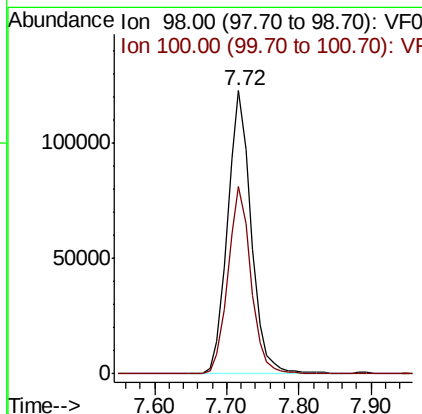
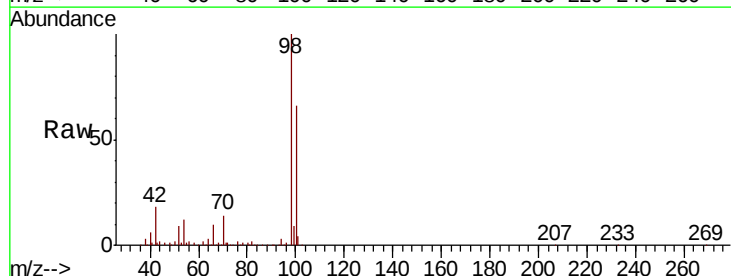
RT: 7.72 min Scan# 729

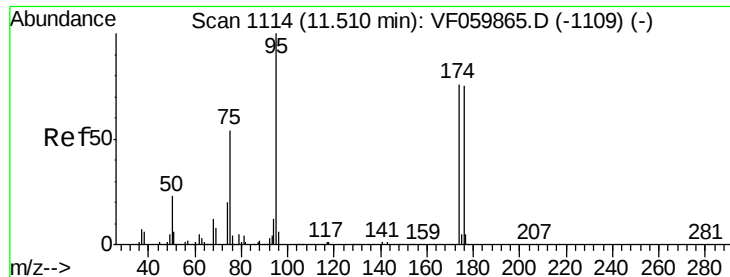
Delta R.T. 0.00 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	55.0	82.6





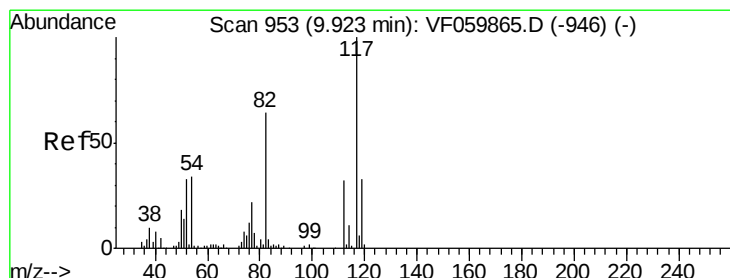
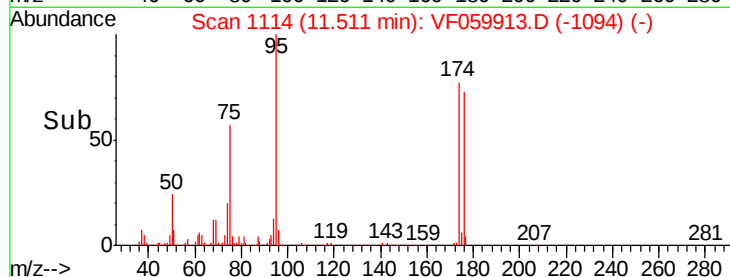
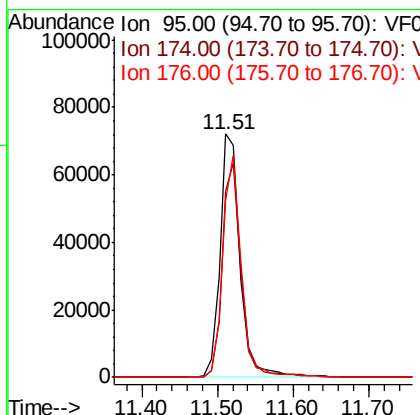
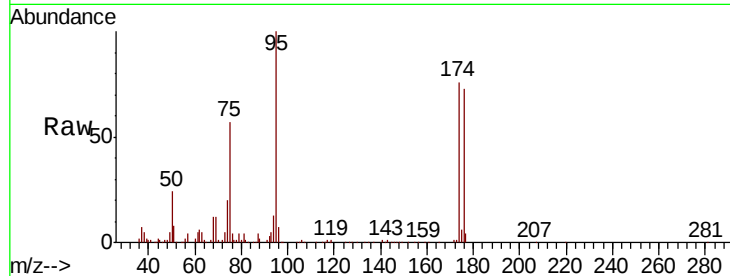
#62
4-Bromofluorobenzene
Concen: 30.76 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059913.D
Acq: 7 Aug 2018 10:43

Instrument :
MSVOA_F
ClientSampled :
WC-2

Tot Ion	Ratio	Resp	Lower	Upper
95	100	133775		
174	76.5	0.0	151.6	
176	72.5	0.0	149.8	

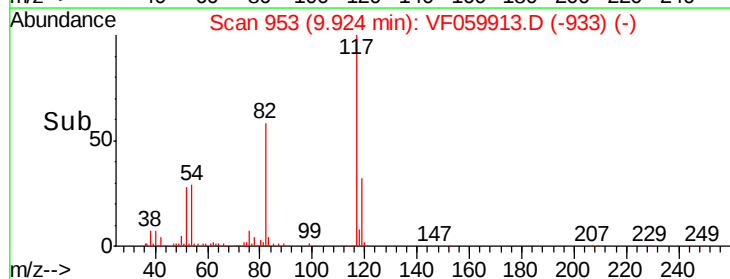
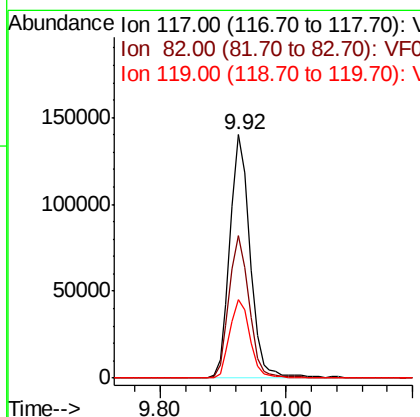
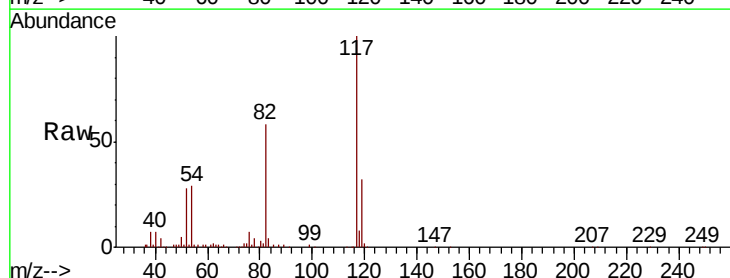
Manual Integrations
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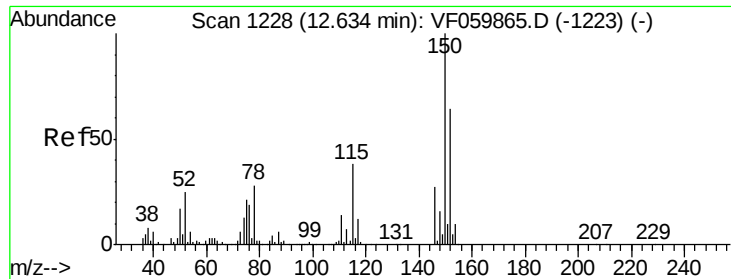
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059913.D
Acq: 7 Aug 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	310675		
82	58.4	51.3	76.9	
119	32.0	26.4	39.6	





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

Instrument :

MSVOA_F

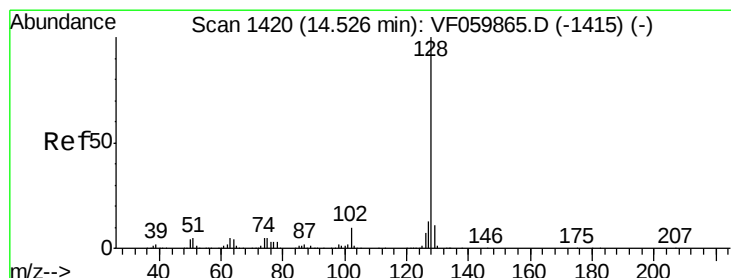
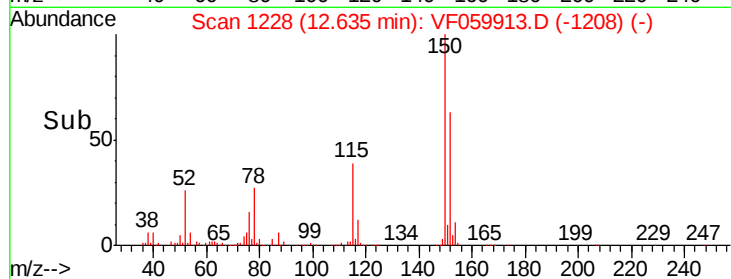
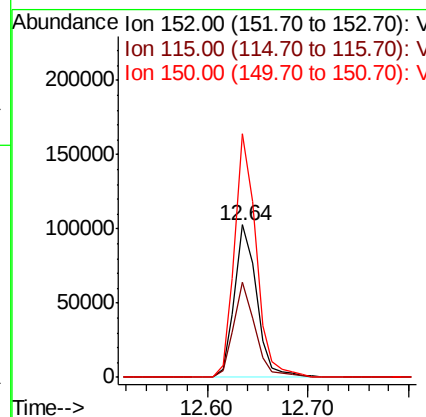
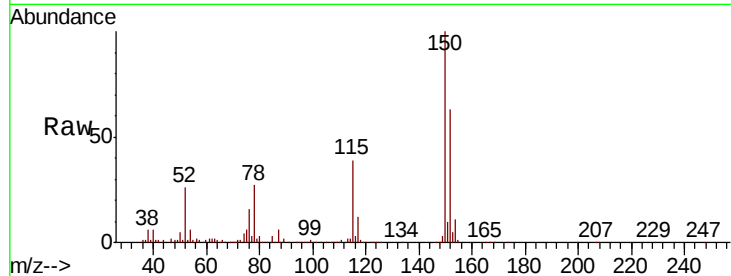
ClientSampled :

WC-2

Tot Ion:	152	Resp:	159485
Ion Ratio	Lower	Upper	
152	100		
115	62.6	29.8	89.4
150	159.6	0.0	315.6

Manual Integrations
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#95

Naphthalene

Concen: 1.32 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059913.D

Acq: 7 Aug 2018 10:43

Tgt Ion:	128	Resp:	8531
Ion Ratio	Lower	Upper	
128	100		
127	20.8	10.4	15.6#
129	14.7	9.0	13.6#

