

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060990.D
 Acq On : 11 Dec 2018 21:48
 Operator : VA/AP
 Sample : J6316-07
 Misc : 5.54g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BORING-SAMPLE-CBH-591

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 1:29:08 PM

Quant Time: Dec 12 07:18:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	199018	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	308708	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	282314	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	121364	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	101174	43.15	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	86.30%	
35) Dibromofluoromethane	4.12	113	110857	45.27	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	90.54%	
50) Toluene-d8	7.56	98	238342	33.04	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	66.08%	
62) 4-Bromofluorobenzene	11.41	95	113863	34.73	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	69.46%	
Target Compounds						
20) Methylene Chloride	2.26	84	6000m	3.783	ug/l	Qvalue

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

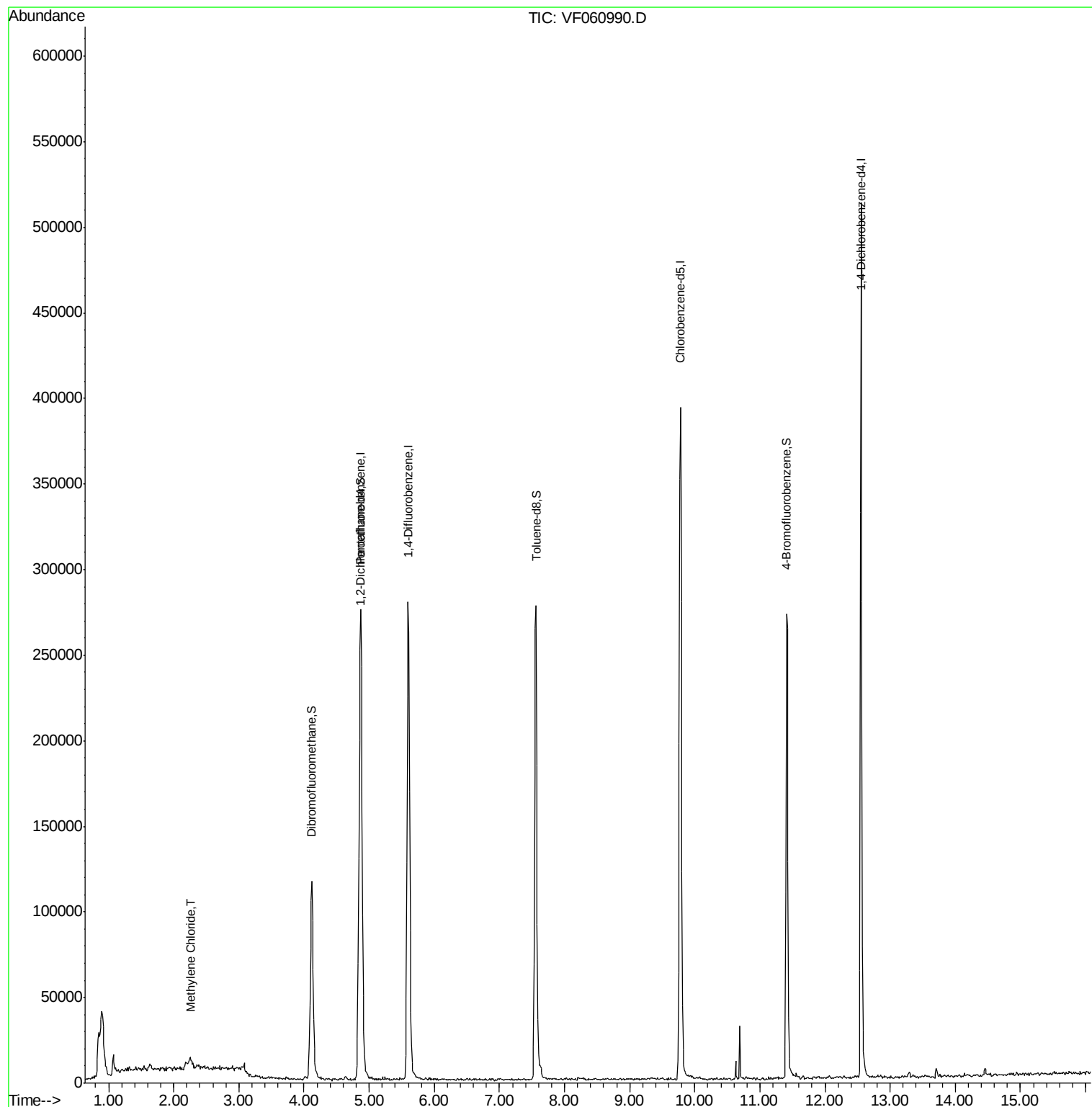
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121118\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

Instrument :

MSVOA_F

ClientSampleId :

BORING-SAMPLE-CBH-591

Tot Ion:168 Resp: 199018

Ion Ratio Lower Upper

168 100

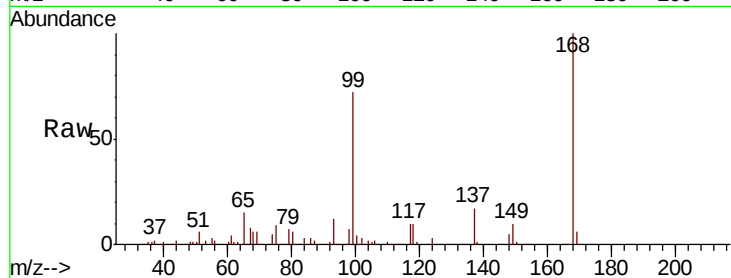
99 72.1 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

60000

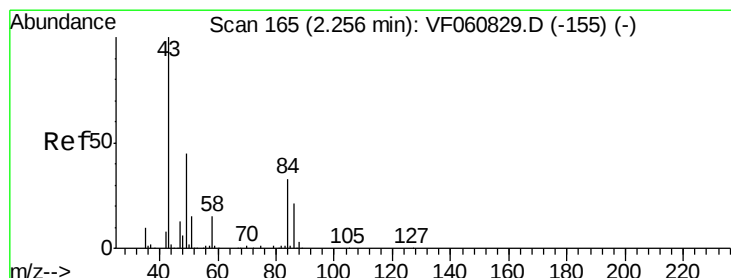
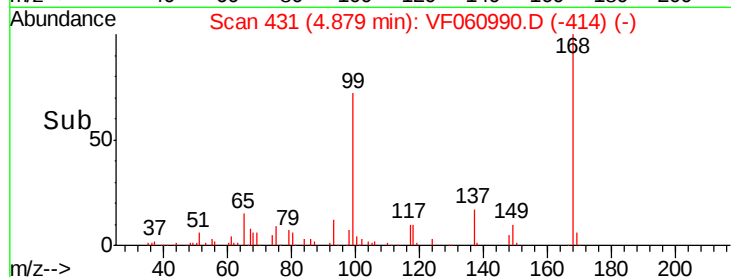
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#20

Methylene Chloride

Concen: 3.783 ug/l m

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

Tgt Ion: 84 Resp: 6000

Ion Ratio Lower Upper

84 100

49 158.9 111.3 166.9

51 65.1 38.0 57.0#

86 66.6 49.8 74.8

Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

2500

2000

1500

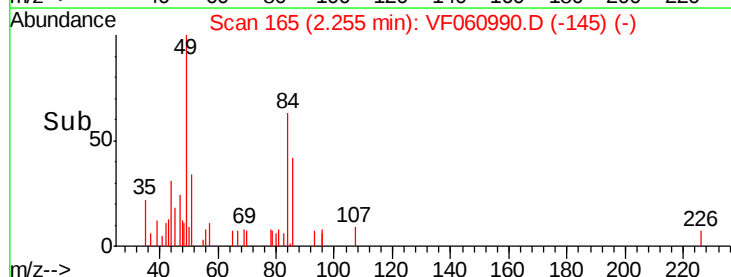
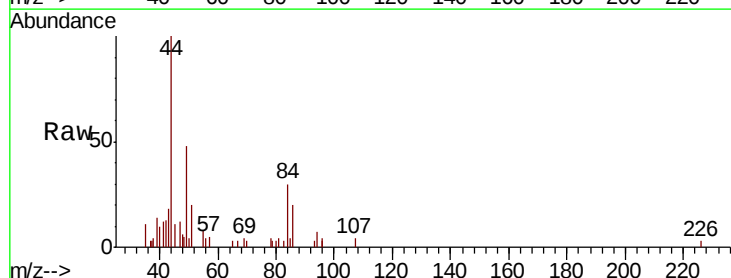
1000

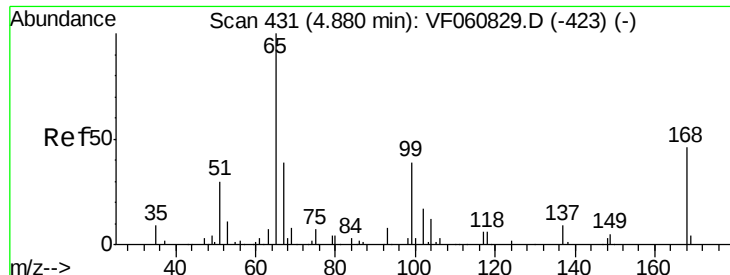
500

0

2.10 2.20 2.30 2.40

Time-->





#33

1,2-Dichloroethane-d4

Concen: 43.154 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

Instrument :

MSVOA_F

ClientSampleId :

BORING-SAMPLE-CBH-591

Tot Ion: 65 Resp: 101174

Ion Ratio Lower Upper

65 100

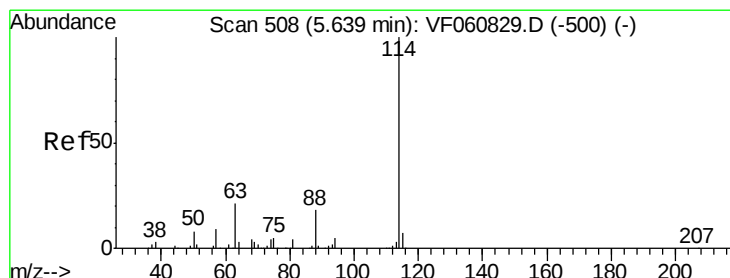
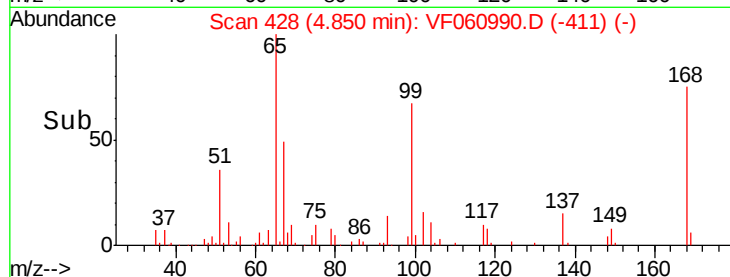
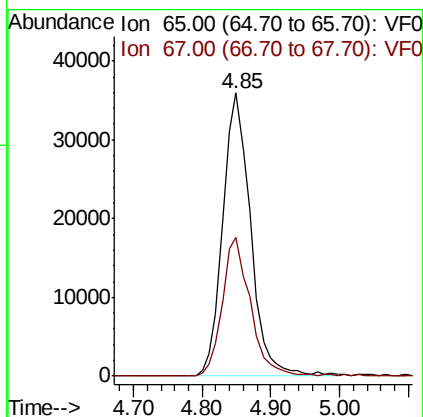
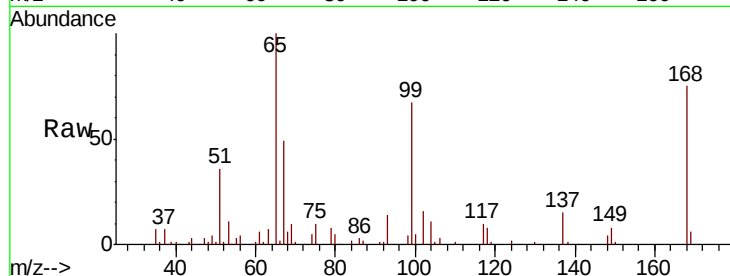
67 48.8 0.0 96.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.03 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

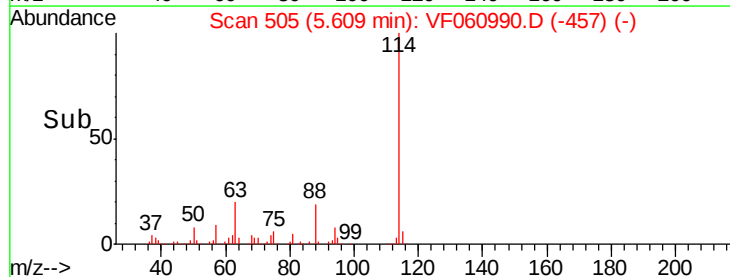
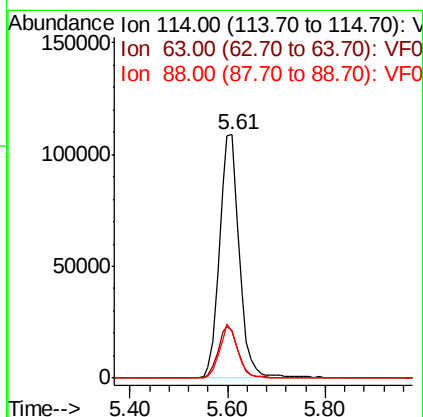
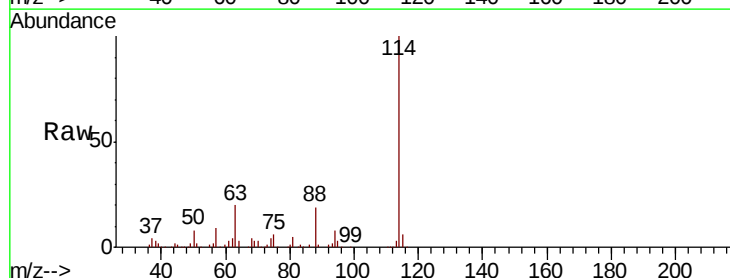
Tgt Ion: 114 Resp: 308708

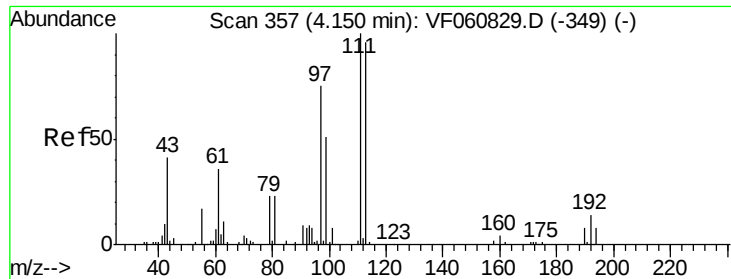
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

88 19.3 0.0 36.6





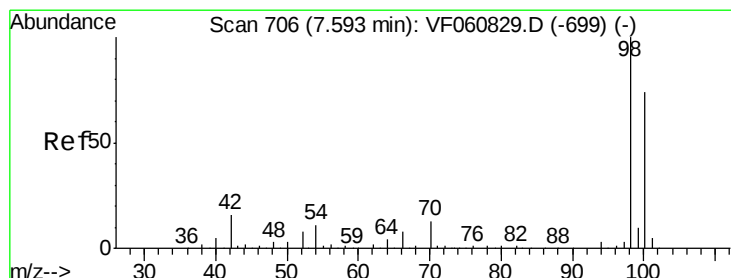
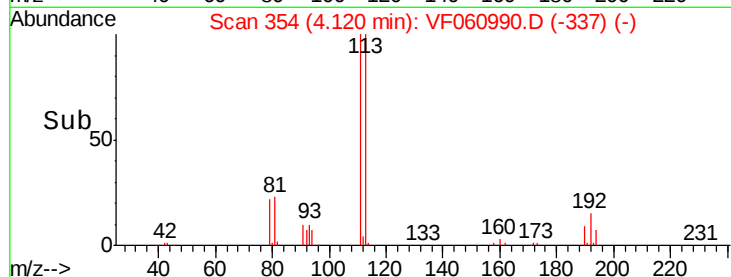
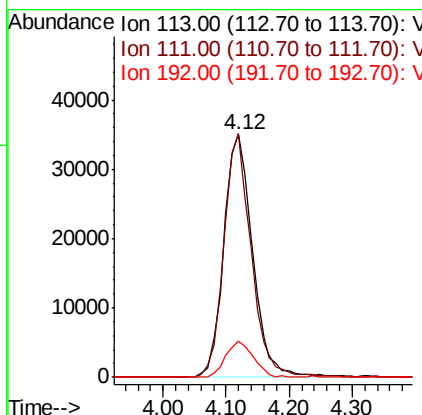
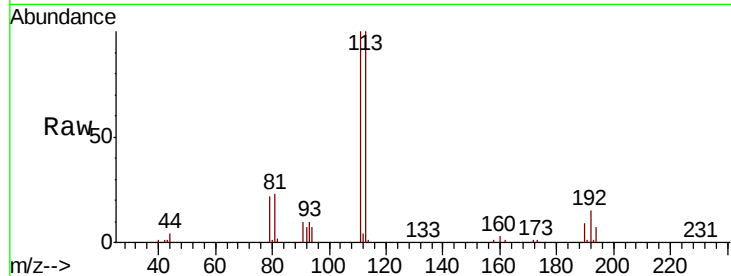
#35
 Dibromofluoromethane
 Concen: 45.265 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.03 min
 Lab File: VF060990.D
 Acq: 11 Dec 2018 21:48

Instrument :
 MSVOA_F
 ClientSampleId :
 BORING-SAMPLE-CBH-591

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110857		
111	99.9	83.0	124.6	
192	14.9	12.3	18.5	

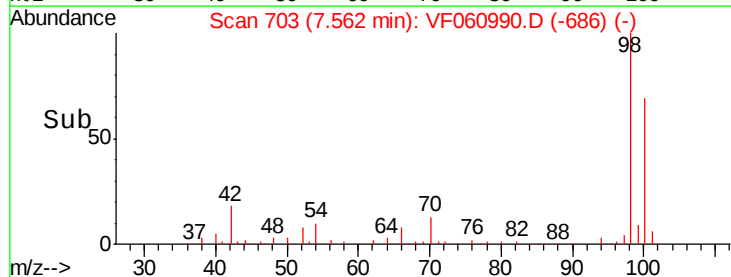
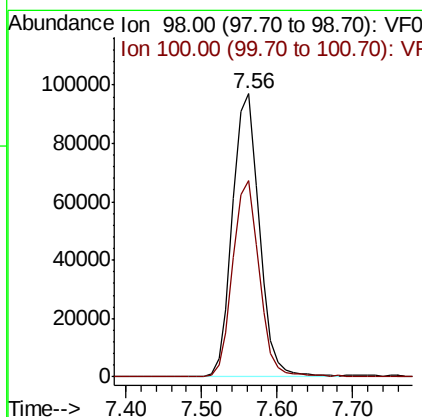
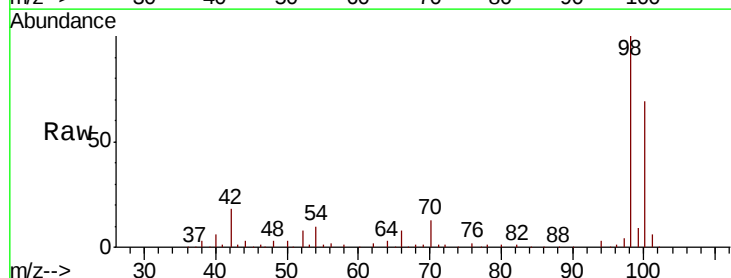
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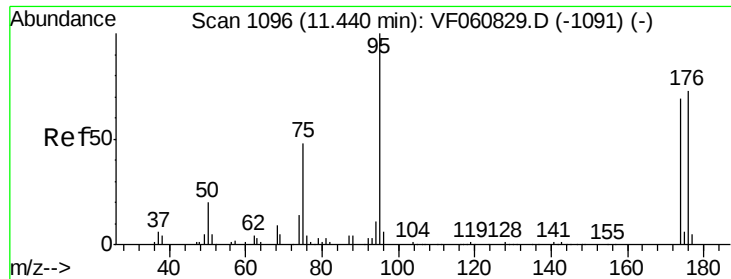
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#50
 Toluene-d8
 Concen: 33.038 ug/l
 RT: 7.56 min Scan# 703
 Delta R.T. -0.03 min
 Lab File: VF060990.D
 Acq: 11 Dec 2018 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	238342		
100	69.2	59.3	88.9	





#62

4-Bromofluorobenzene

Concen: 34.728 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

Instrument :

MSVOA_F

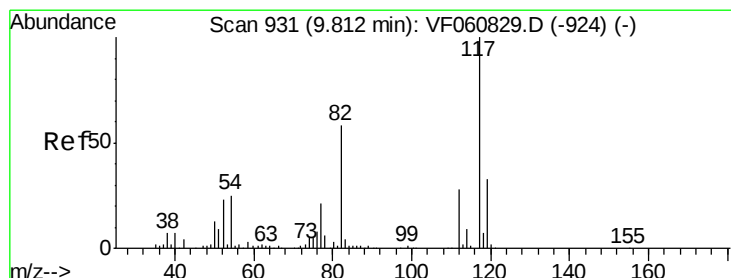
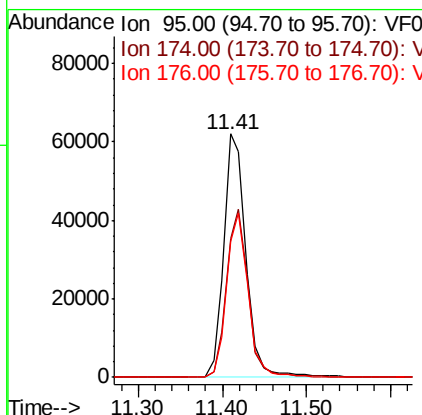
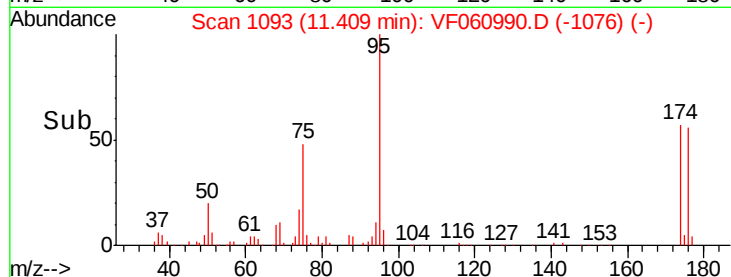
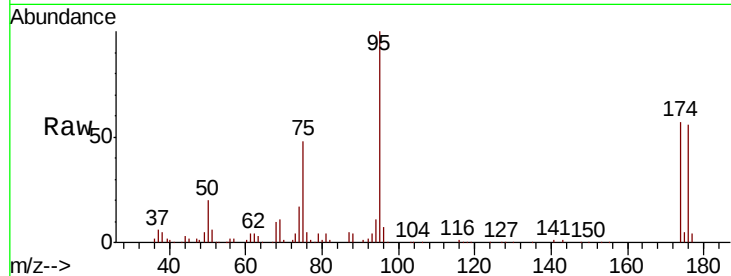
ClientSampleId :

BORING-SAMPLE-CBH-591

Tot Ion:	95	Resp:	113863
Ion Ratio	Lower	Upper	
95	100		
174	57.0	0.0	138.2
176	55.8	0.0	146.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

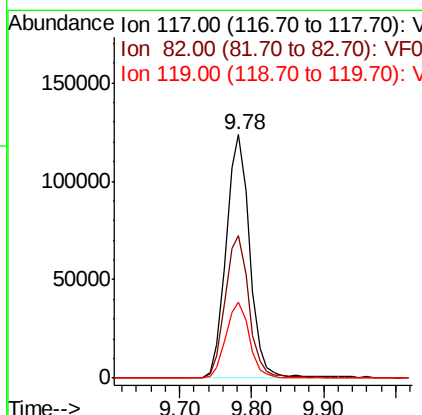
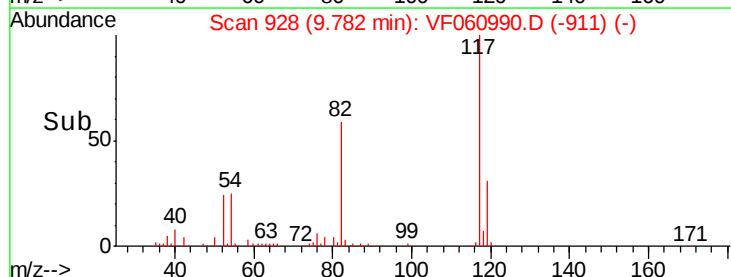
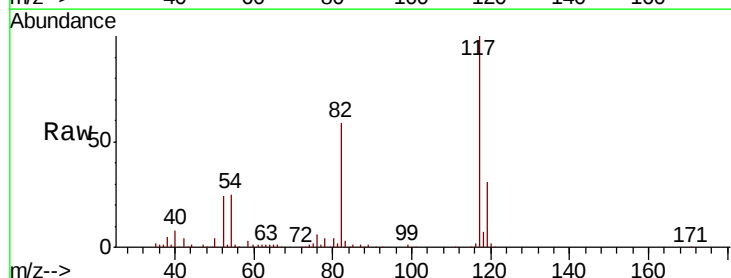
RT: 9.78 min Scan# 928

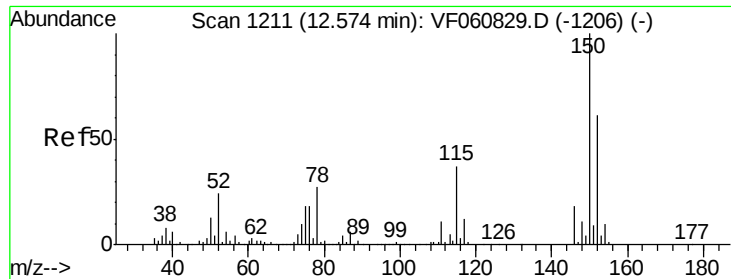
Delta R.T. -0.03 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

Tgt Ion:	117	Resp:	282314
Ion Ratio	Lower	Upper	
117	100		
82	58.6	46.6	69.8
119	31.2	26.4	39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF060990.D

Acq: 11 Dec 2018 21:48

Instrument :

MSVOA_F

ClientSampleId :

BORING-SAMPLE-CBH-591

Tot Ion:	152	Resp:	121364
Ion Ratio	Lower	Upper	
152	100		
115	62.7	30.1	90.5
150	156.5	0.0	327.6

Manual Integrations
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