

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060599.D
 Acq On : 6 Nov 2018 7:11
 Operator : VA/AP
 Sample : J5776-05
 Misc : 4.19/5mL/MSVOA-F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NJ-WHITE

Manual Integrations
 APPROVED

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 11/6/2018 12:53:57 PM

Quant Time: Nov 06 08:16:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	236600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	511113	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	424868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	227698	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	127609	53.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.76%	
35) Dibromofluoromethane	4.11	113	160567	40.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.32%	
50) Toluene-d8	7.57	98	290639	24.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	49.70%	
62) 4-Bromofluorobenzene	11.41	95	193092	37.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.48%	
Target Compounds						
20) Methylene Chloride	2.22	84	13850m	3.175	ug/l	Qvalue
52) Toluene	7.64	92	10803	1.214	ug/l	82

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

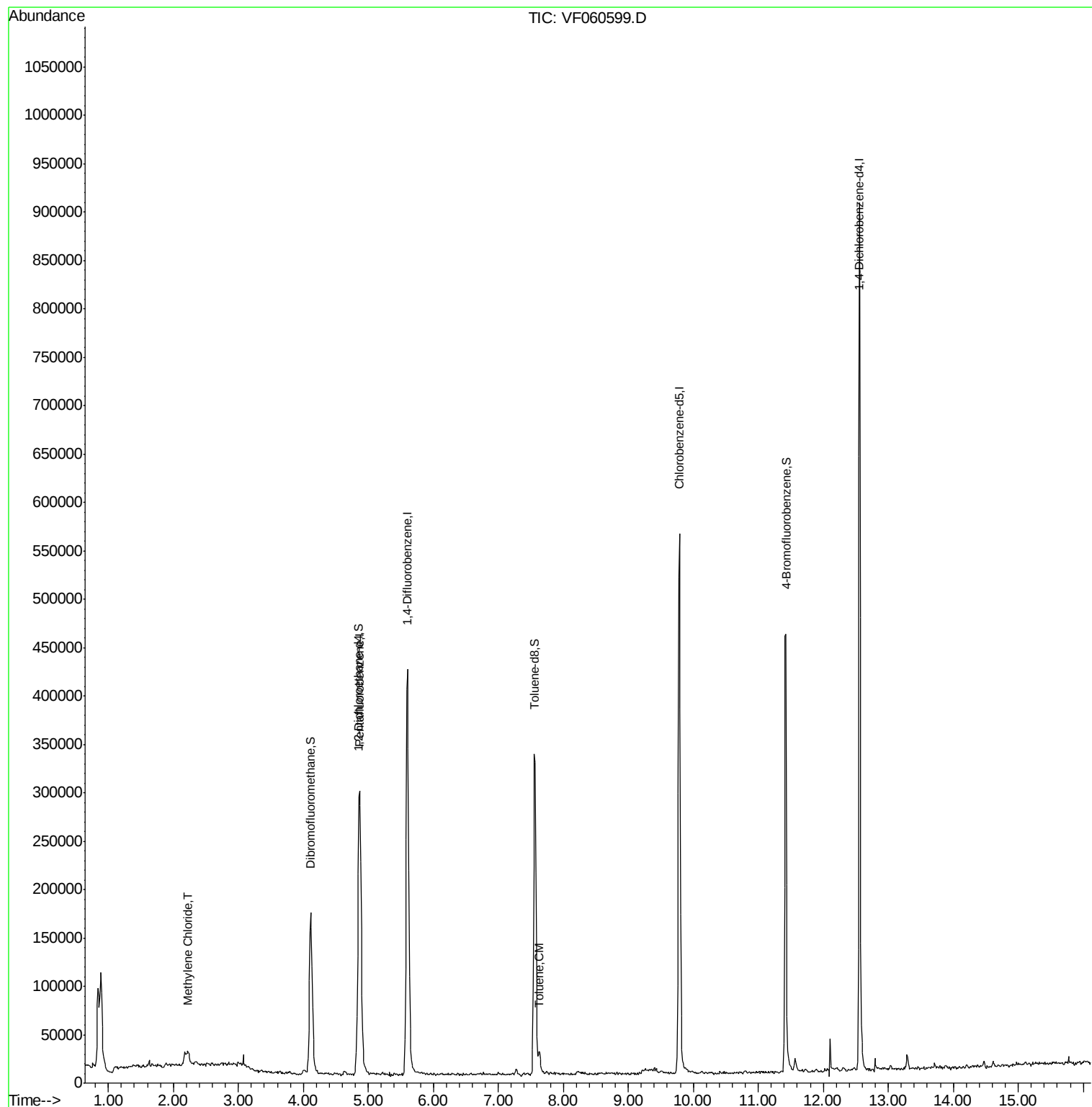
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060599.D
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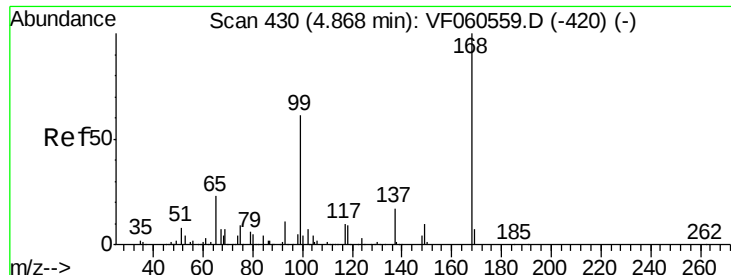
Instrument :
MSVOA_F
ClientSampleId :
NJ-WHITE

Manual Integrations
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11/6/2018 12:53:57 PM

Quant Time: Nov 06 08:16:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF060599.D

Acq: 6 Nov 2018 7:11

Instrument :

MSVOA_F

ClientSampleId :

NJ-WHITE

Tot Ion:168 Resp: 236600

Ion Ratio Lower Upper

168 100

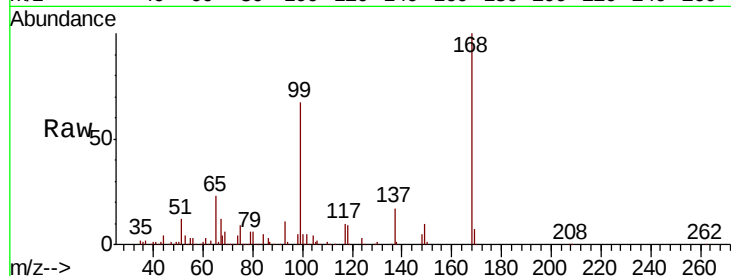
99 66.8 48.6 72.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

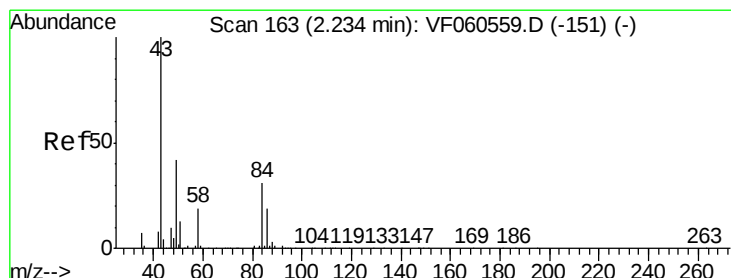
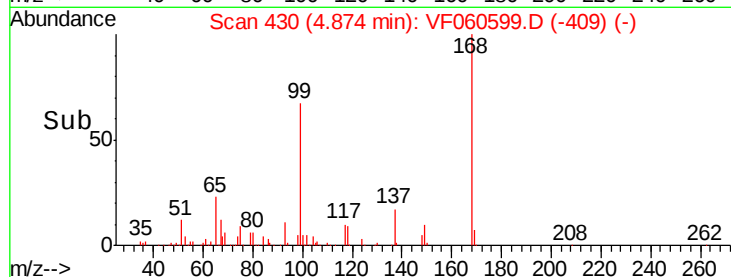
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#20

Methylene Chloride

Concen: 3.175 ug/l m

RT: 2.22 min Scan# 161

Delta R.T. -0.01 min

Lab File: VF060599.D

Acq: 6 Nov 2018 7:11

Tgt Ion: 84 Resp: 13850

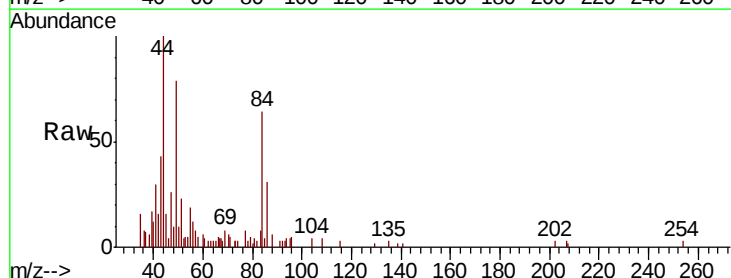
Ion Ratio Lower Upper

84 100

49 123.3 109.9 164.9

51 35.6 35.8 53.8#

86 48.8 48.3 72.5



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

6000

5000

4000

3000

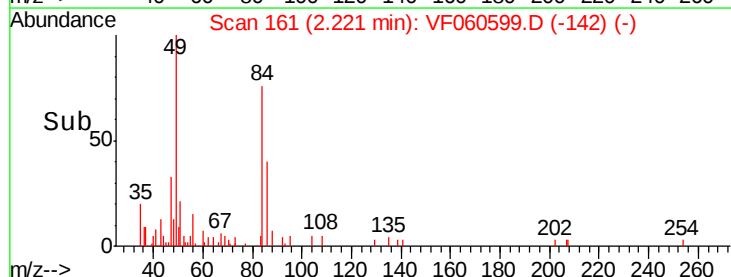
2000

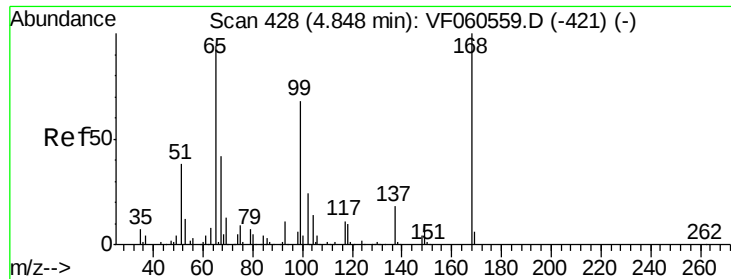
1000

0

2.10 2.20 2.30

Time-->





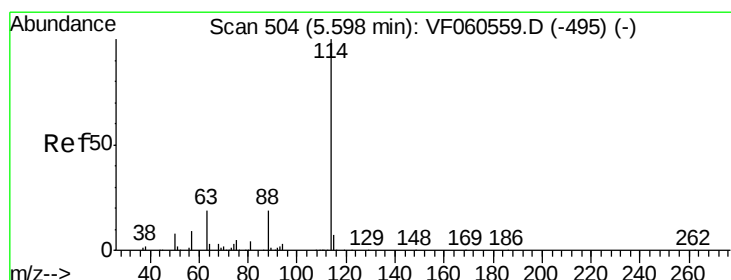
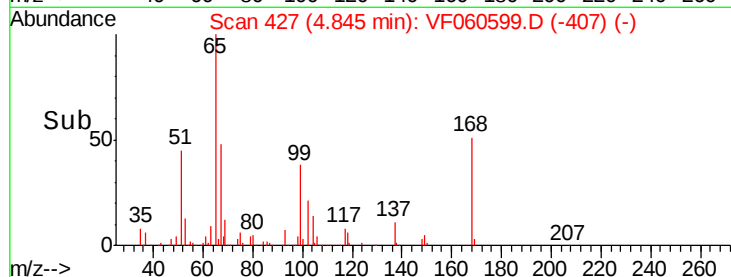
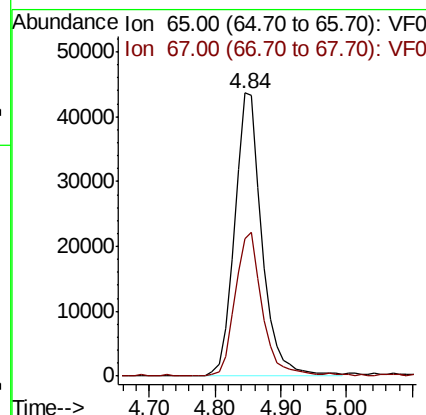
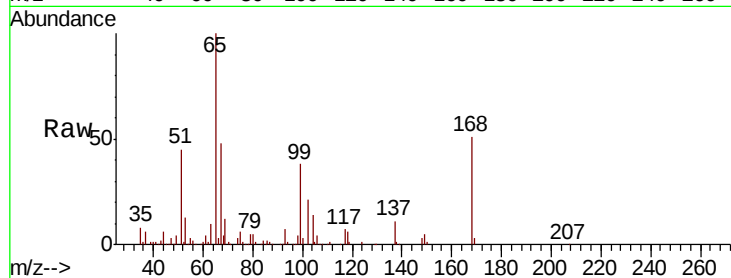
#33
 1,2-Dichloroethane-d4
 Concen: 53.381 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: VF060599.D
 Acq: 6 Nov 2018 7:11

Instrument :
 MSVOA_F
 ClientSampleID :
 NJ-WHITE

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127609		
67	48.5	0.0	101.8	

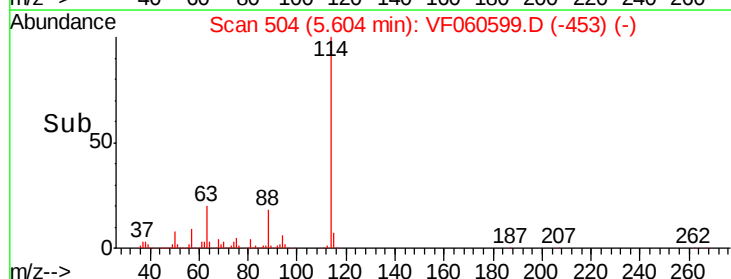
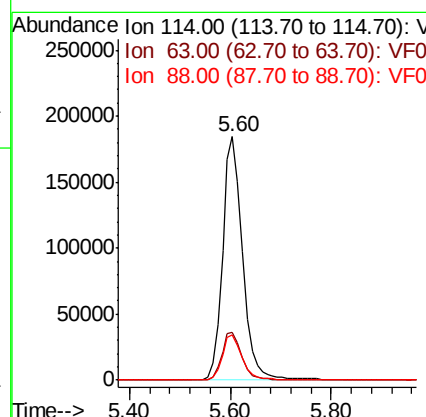
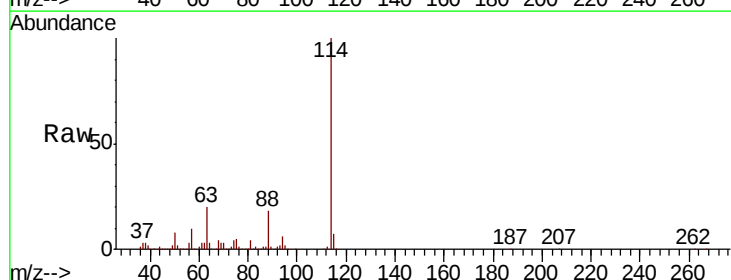
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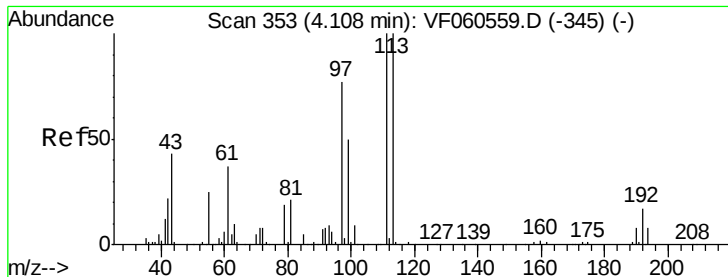
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF060599.D
 Acq: 6 Nov 2018 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	511113		
63	19.7	0.0	39.0	
88	18.3	0.0	38.2	





#35

Dibromofluoromethane

Concen: 40.662 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF060599.D

Acq: 6 Nov 2018 7:11

Instrument :

MSVOA_F

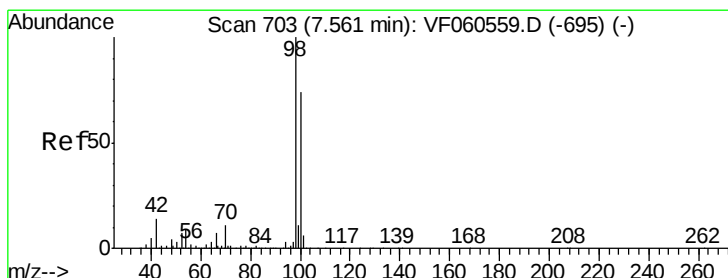
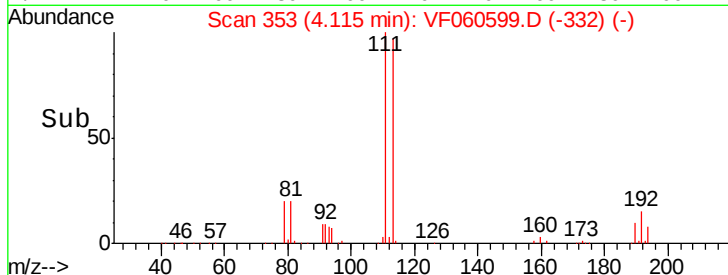
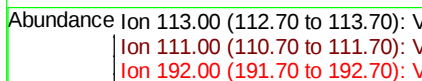
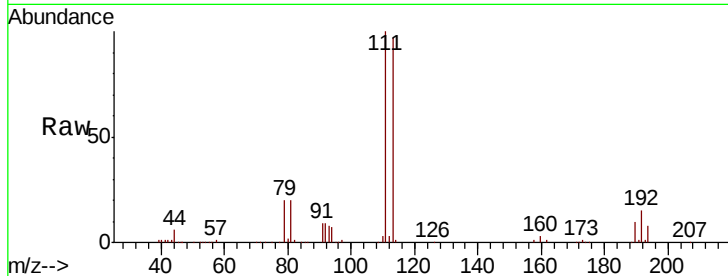
ClientSampleId :

NJ-WHITE

Tot Ion:	113	Resp:	160567
Ion Ratio	Lower	Upper	
113	100		
111	103.1	79.9	119.9
192	16.4	13.3	19.9

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#50

Toluene-d8

Concen: 24.846 ug/l

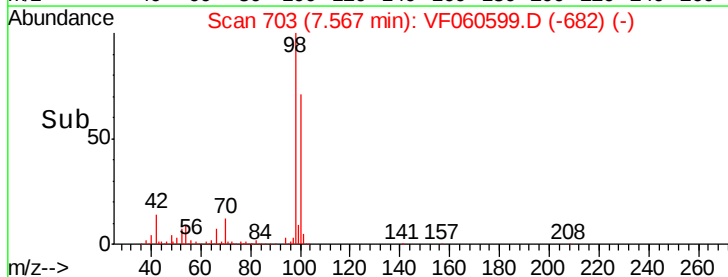
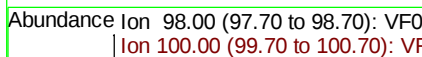
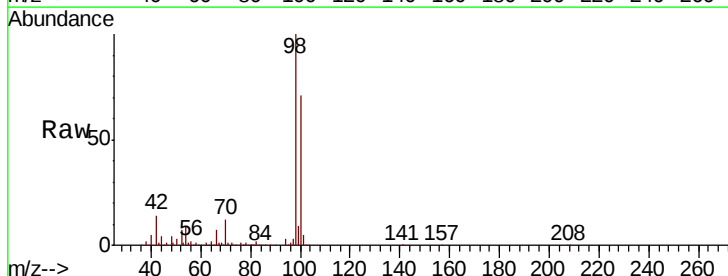
RT: 7.57 min Scan# 703

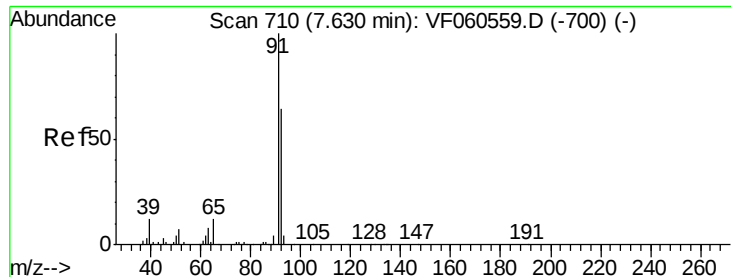
Delta R.T. 0.01 min

Lab File: VF060599.D

Acq: 6 Nov 2018 7:11

Tgt Ion:	98	Resp:	290639
Ion Ratio	Lower	Upper	
98	100		
100	71.0	59.4	89.2





#52

Toluene

Concen: 1.214 ug/l

RT: 7.64 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF060559.D

Acq: 6 Nov 2018 7:11

Instrument :

MSVOA_F

ClientSampleId :

NJ-WHITE

Tot Ion: 92 Resp: 10803

Ion Ratio Lower Upper

92 100

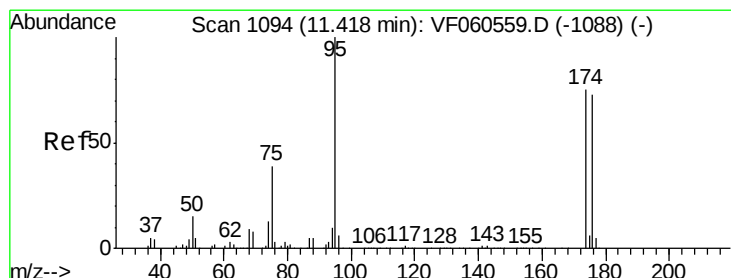
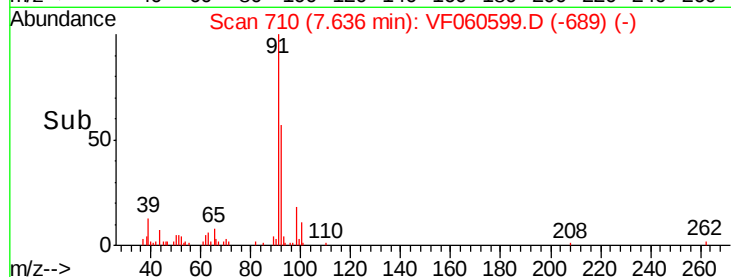
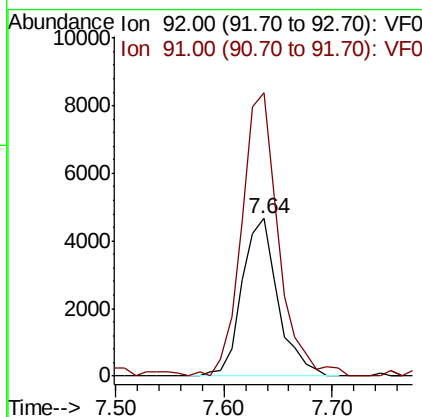
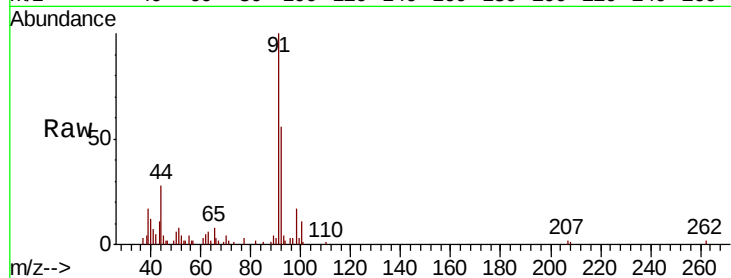
91 179.6 124.5 186.7

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#62

4-Bromofluorobenzene

Concen: 37.737 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF060559.D

Acq: 6 Nov 2018 7:11

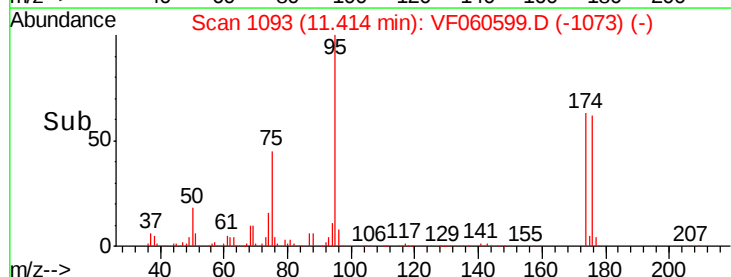
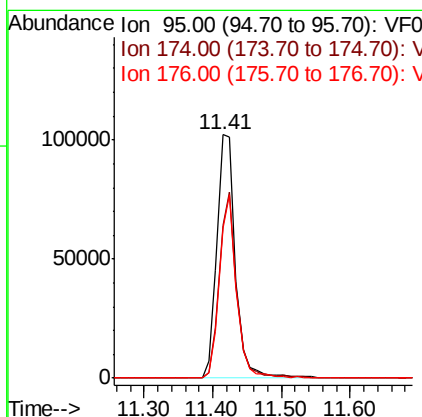
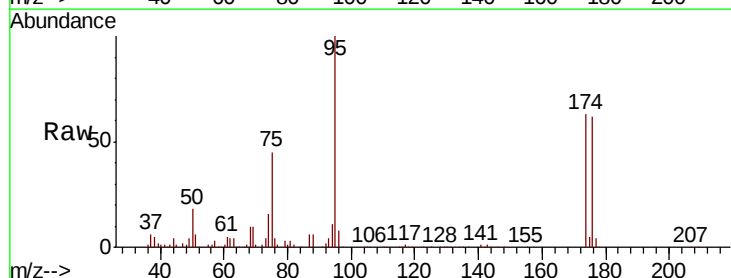
Tgt Ion: 95 Resp: 193092

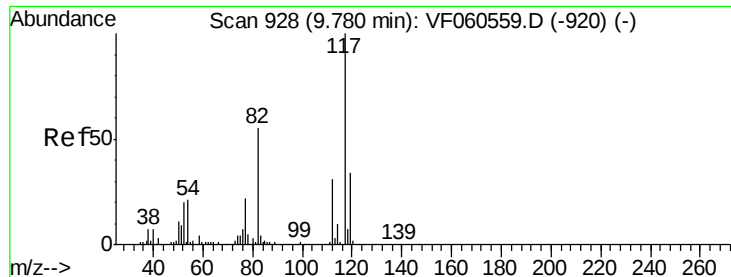
Ion Ratio Lower Upper

95 100

174 62.8 0.0 149.0

176 61.6 0.0 145.6





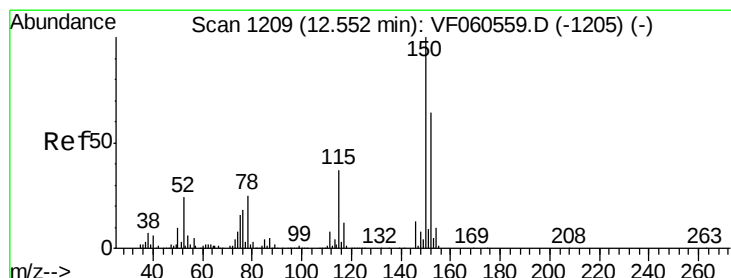
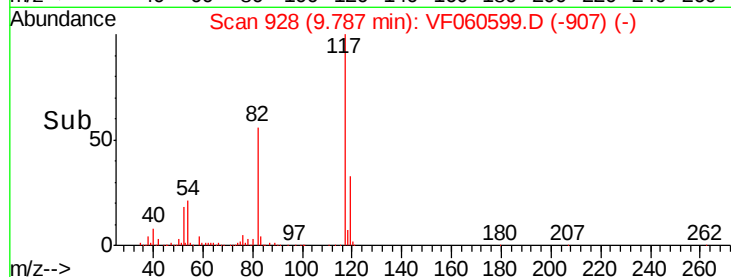
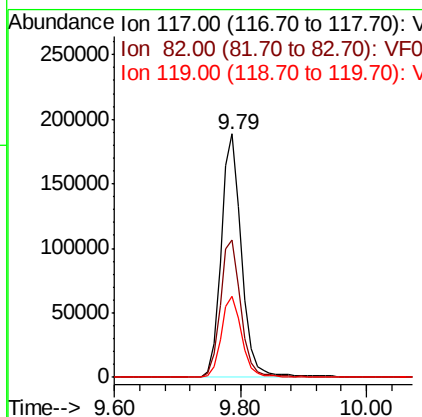
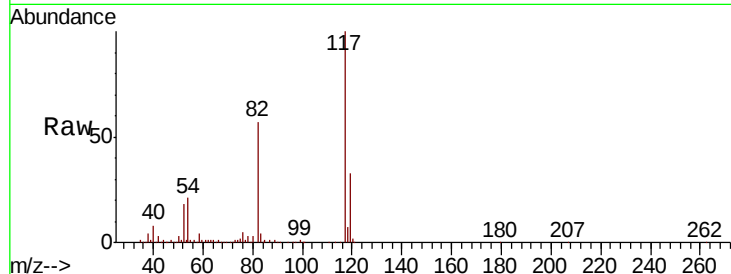
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF060599.D
Acq: 6 Nov 2018 7:11

Instrument :
MSVOA_F
ClientSampleId :
NJ-WHITE

Tot Ion	Ratio	Resp	Lower	Upper
117	100	424868		
82	56.5	43.9	65.9	
119	33.1	27.4	41.0	

Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF060599.D
Acq: 6 Nov 2018 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	227698		
115	57.0	29.6	88.8	
150	152.1	0.0	315.6	

