

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031219\
 Data File : VF061920.D
 Acq On : 12 Mar 2019 22:25
 Operator : VA/AP
 Sample : K1866-01
 Misc : 6.54g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MR-MH-04-COMP

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 4:42:16 PM

Quant Time: Mar 13 03:33:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	287544	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	441760	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	401586	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	225852	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	121263	57.91	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	115.82%	
35) Dibromofluoromethane	4.08	113	170709	55.37	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	110.74%	
50) Toluene-d8	7.53	98	460297	50.23	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.40	95	192132	53.53	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.06%	
Target Compounds						
20) Methylene Chloride	2.16	84	23650m	4.963	ug/l	Qvalue

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

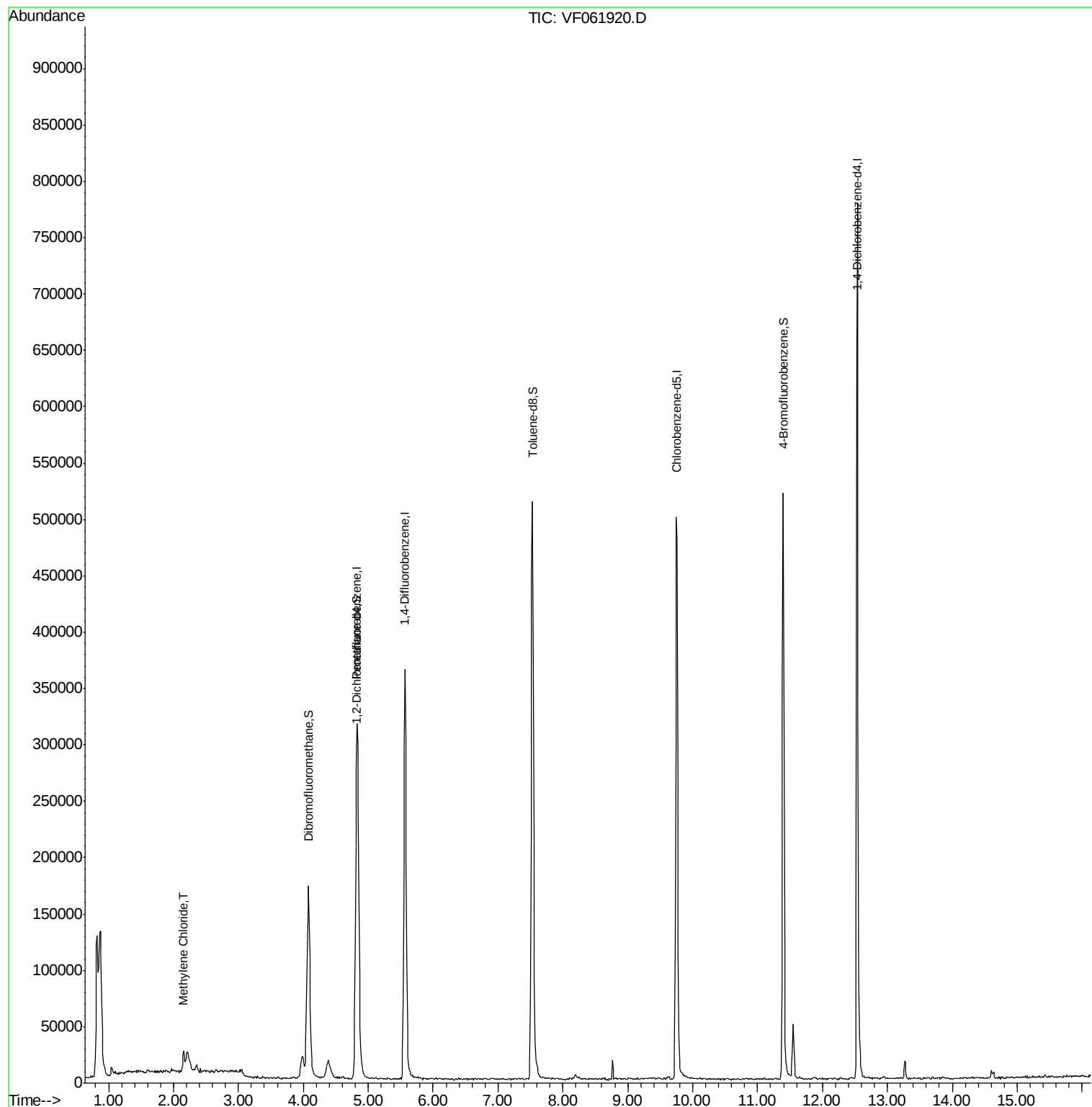
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF031219\
Data File : VF061920.D
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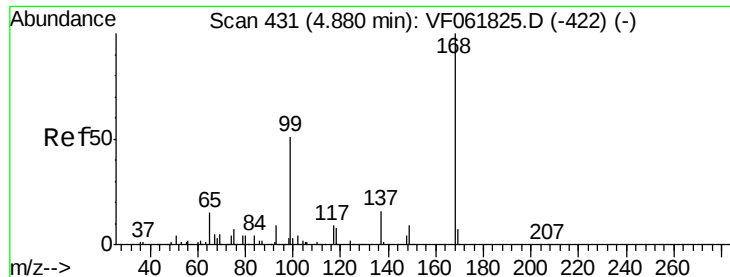
Instrument :
MSVOA_F
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MR-MH-04-COMP

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061920.D

Acq: 12 Mar 2019 22:25

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-04-COMP

Tgt Ion:168 Resp: 287544

Ion Ratio Lower Upper

168 100

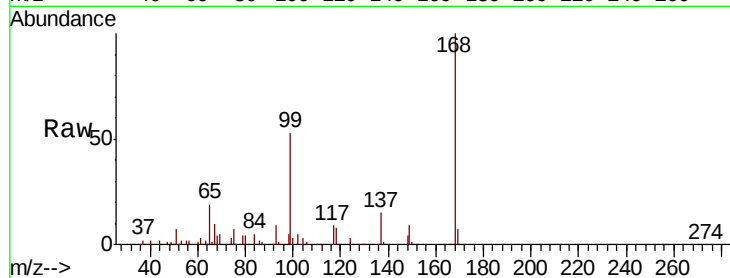
99 53.1 40.8 61.2

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

4.84

80000

60000

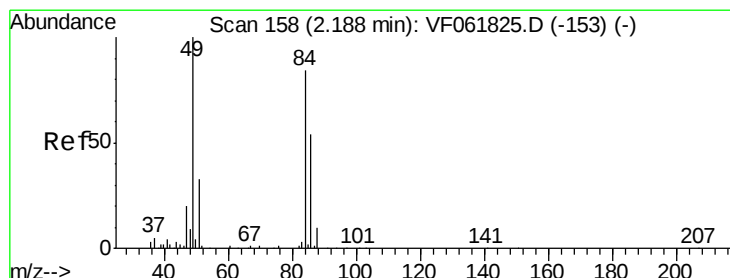
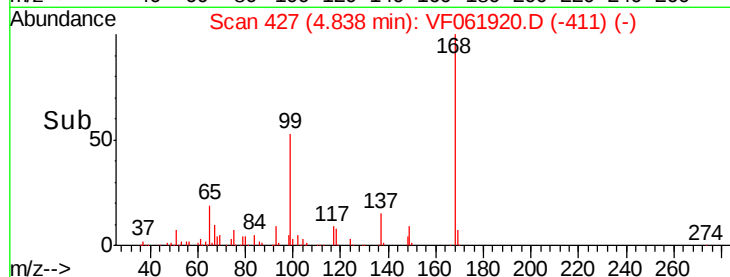
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#20

Methylene Chloride

Concen: 4.963 ug/l m

RT: 2.16 min Scan# 155

Delta R.T. -0.03 min

Lab File: VF061920.D

Acq: 12 Mar 2019 22:25

Tgt Ion: 84 Resp: 23650

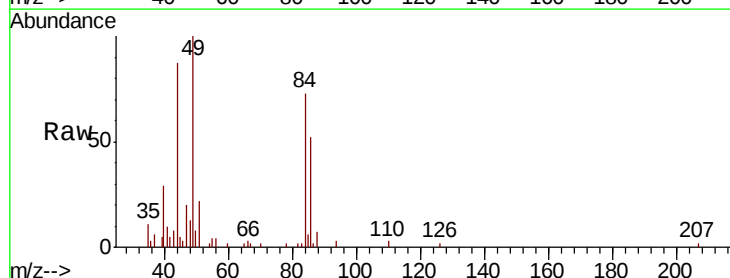
Ion Ratio Lower Upper

84 100

49 136.2 96.8 145.2

51 30.0 31.8 47.6#

86 70.2 51.6 77.4



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

8000

6000

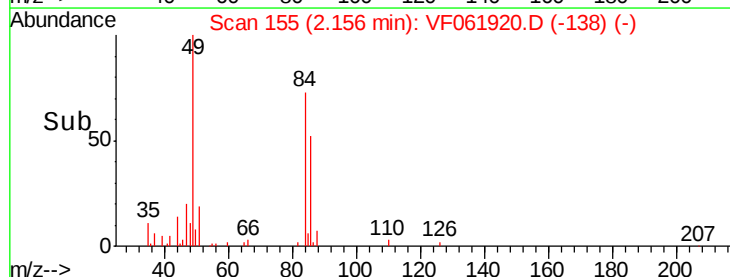
4000

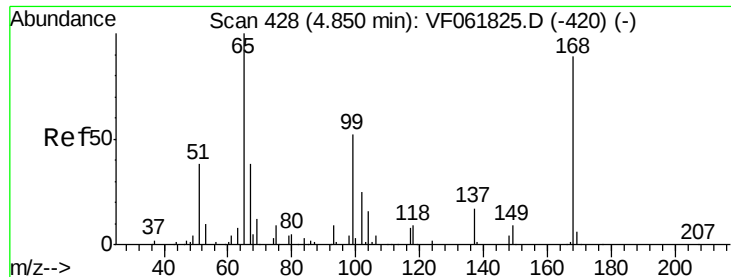
2000

0

2.10 2.20 2.30

Time-->





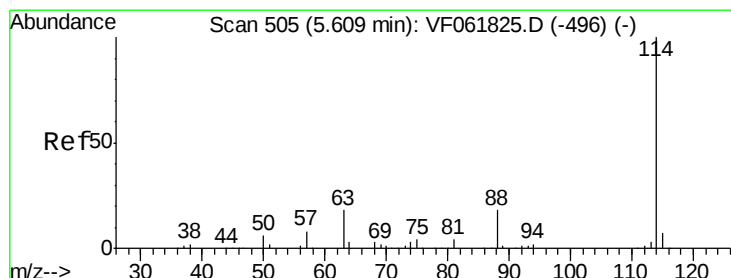
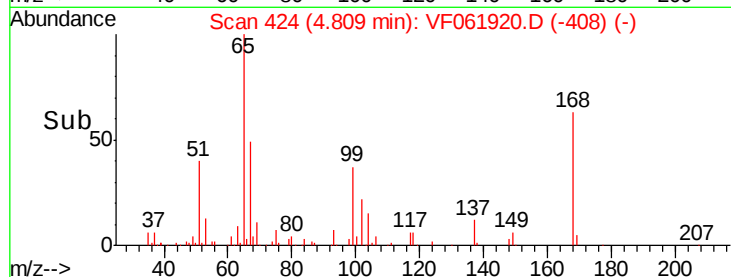
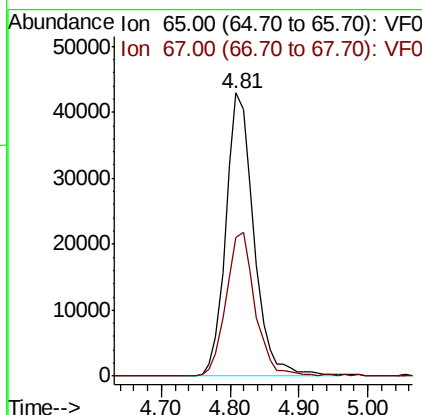
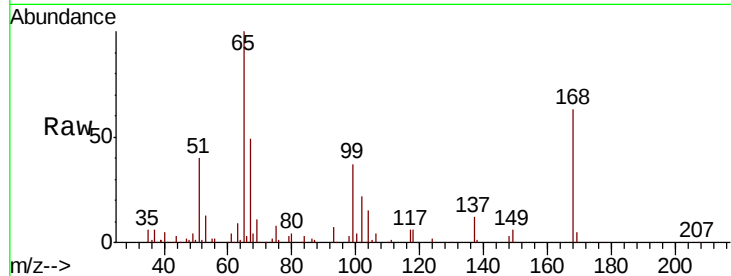
#33
 1,2-Dichloroethane-d4
 Concen: 57.909 ug/l
 RT: 4.81 min Scan# 424
 Delta R.T. -0.04 min
 Lab File: VF061920.D
 Acq: 12 Mar 2019 22:25

Instrument :
 MSVOA_F
 ClientSampleId :
 MR-MH-04-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	121263		
67	48.8	0.0	108.6	

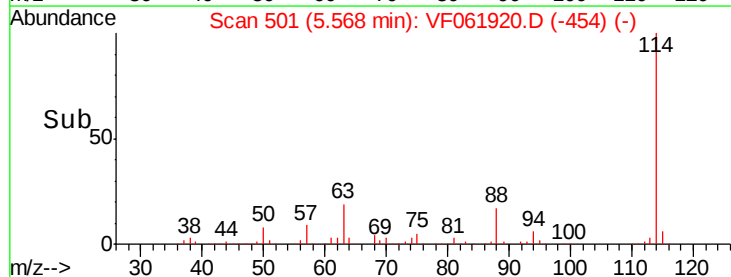
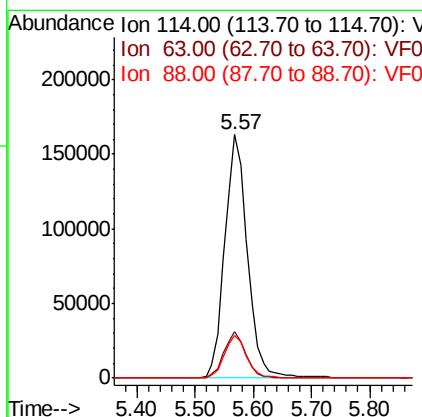
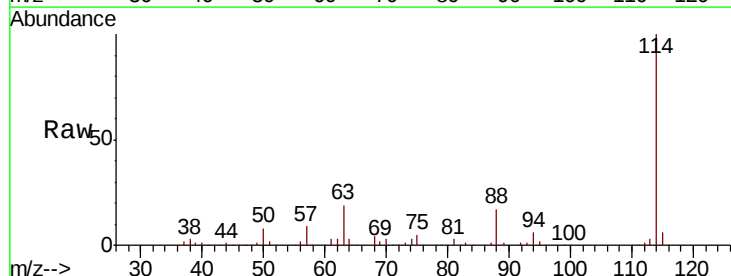
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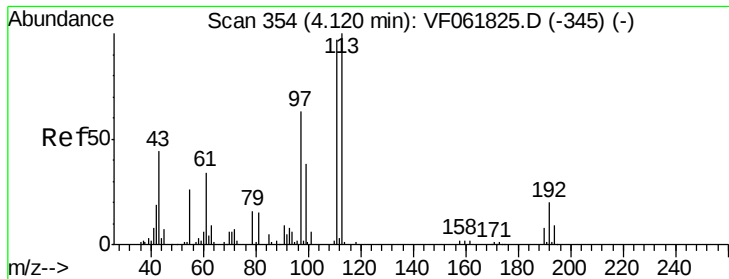
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.04 min
 Lab File: VF061920.D
 Acq: 12 Mar 2019 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	441760		
63	19.0	0.0	35.6	
88	17.5	0.0	35.6	





#35

Dibromofluoromethane

Concen: 55.373 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF061920.D

Acq: 12 Mar 2019 22:25

Instrument :

MSVOA_F

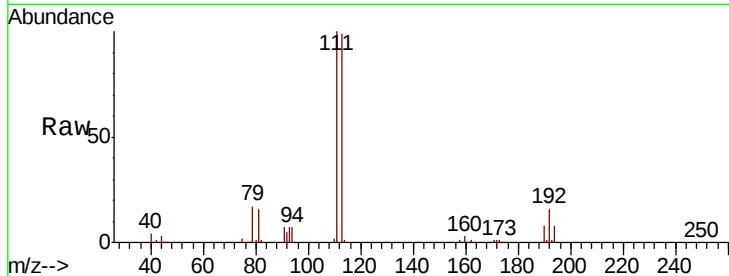
ClientSampleId :

MR-MH-04-COMP

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	77.6	116.4
192	16.6	15.9	23.9

Manual Integrations
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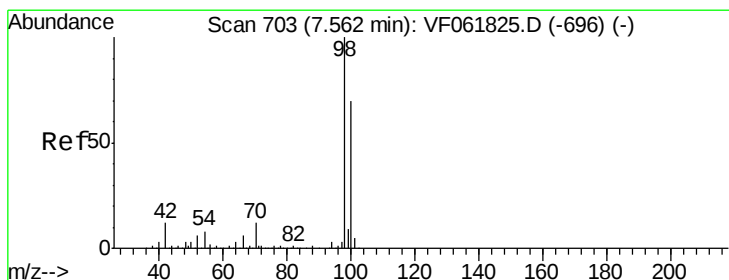
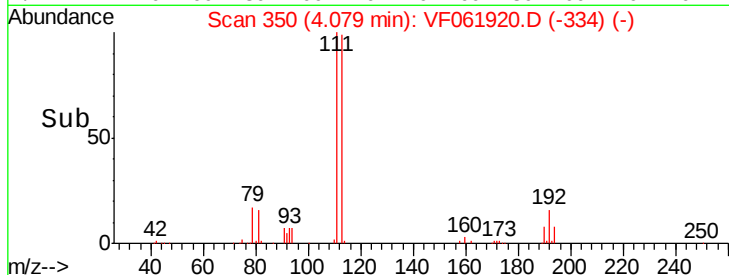
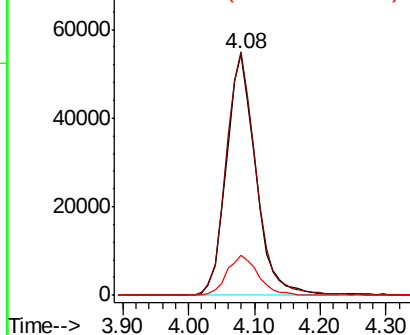
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Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 50.233 ug/l

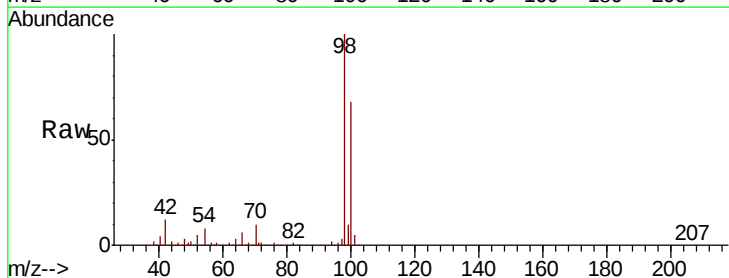
RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061920.D

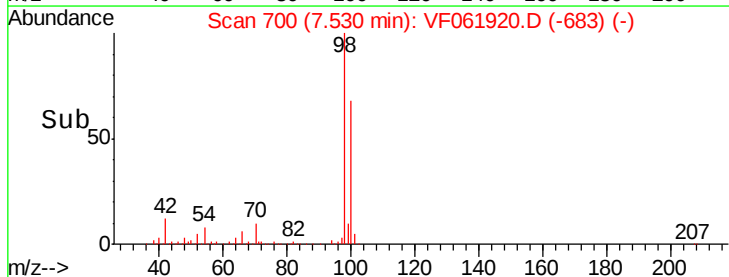
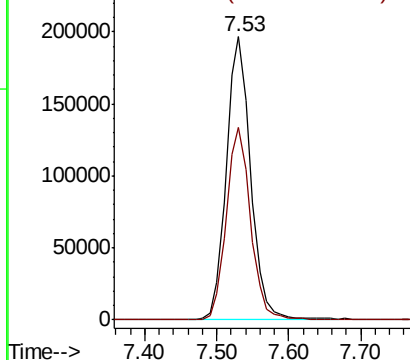
Acq: 12 Mar 2019 22:25

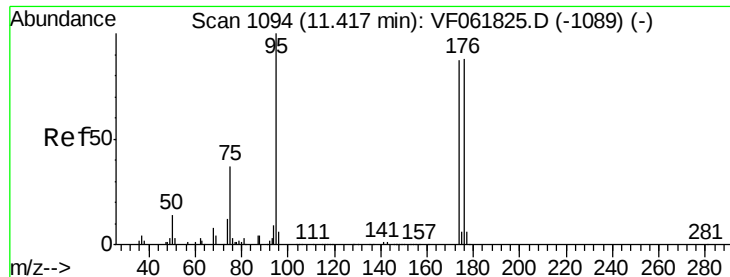
Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.2	56.0	84.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 53.526 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061920.D

Acq: 12 Mar 2019 22:25

Instrument :

MSVOA_F

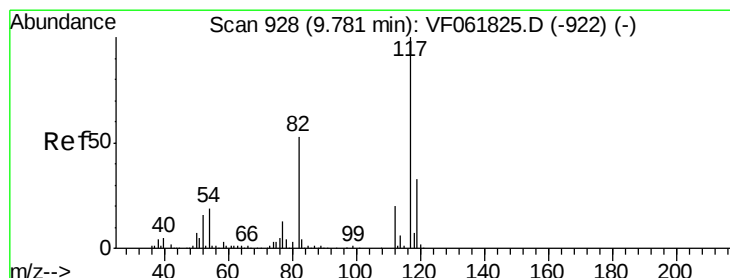
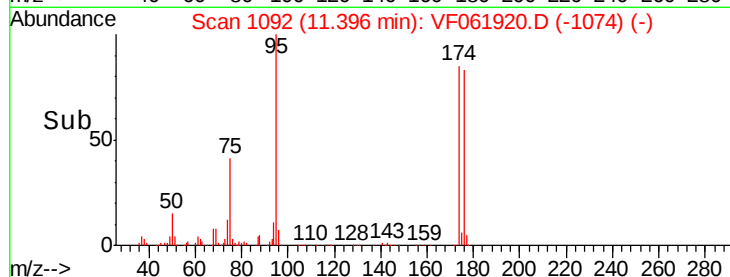
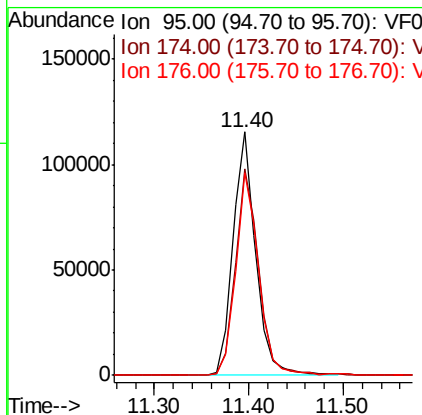
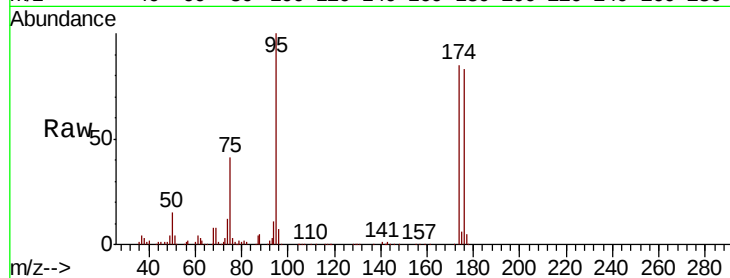
ClientSampleId :

MR-MH-04-COMP

Tgt Ion:	95	Resp:	192132
Ion Ratio	Lower	Upper	
95	100		
174	84.7	0.0	174.0
176	83.4	0.0	175.2

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

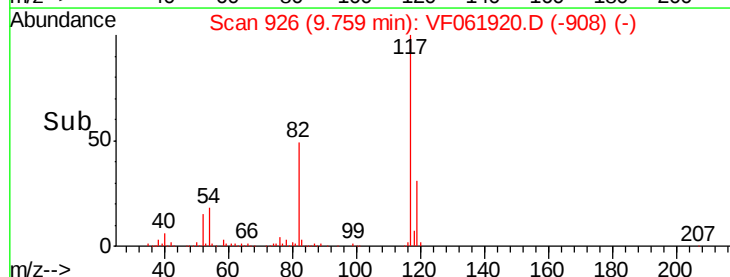
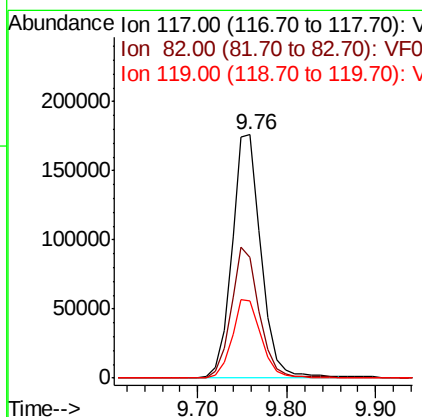
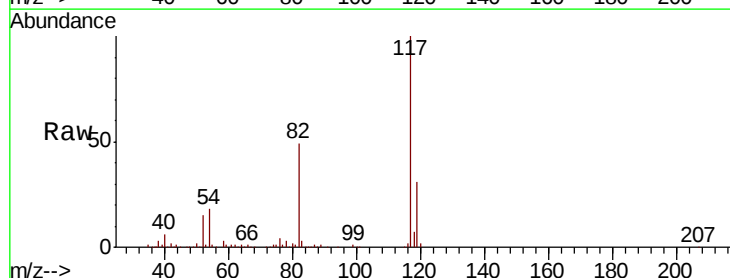
RT: 9.76 min Scan# 926

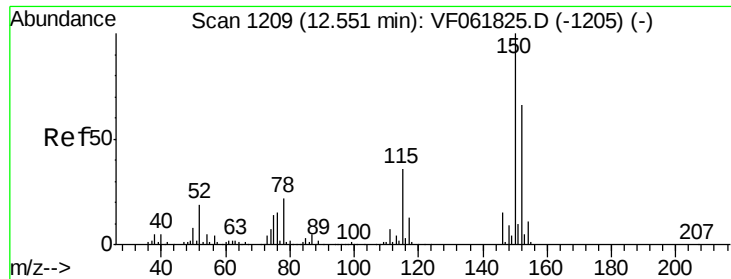
Delta R.T. -0.02 min

Lab File: VF061920.D

Acq: 12 Mar 2019 22:25

Tgt Ion:	117	Resp:	401586
Ion Ratio	Lower	Upper	
117	100		
82	49.5	42.6	63.8
119	31.5	26.0	39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061920.D

Acq: 12 Mar 2019 22:25

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-04-COMP

Tgt	Ion:152	Resp:	225852
Ion	Ratio	Lower	Upper
152	100		
115	51.7	27.7	83.1
150	152.4	0.0	304.2

Manual Integrations
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