

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061313.D
 Acq On : 9 Jan 2019 20:58
 Operator : VA/AP
 Sample : K1087-06
 Misc : 5.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MH-447-7.0-8.0

Manual Integrations
 APPROVED

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 1/10/2019 2:03:23 PM

Quant Time: Jan 10 15:30:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	179829	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	312198	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	286965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	151956	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	102816	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	
35) Dibromofluoromethane	4.12	113	120988	50.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.30%	
50) Toluene-d8	7.57	98	330361	46.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.46%	
62) 4-Bromofluorobenzene	11.42	95	151684	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.28%	
Target Compounds						
20) Methylene Chloride	2.19	84	10970m	5.569	ug/l	Qvalue
52) Toluene	7.63	92	19752	3.610	ug/l	95

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

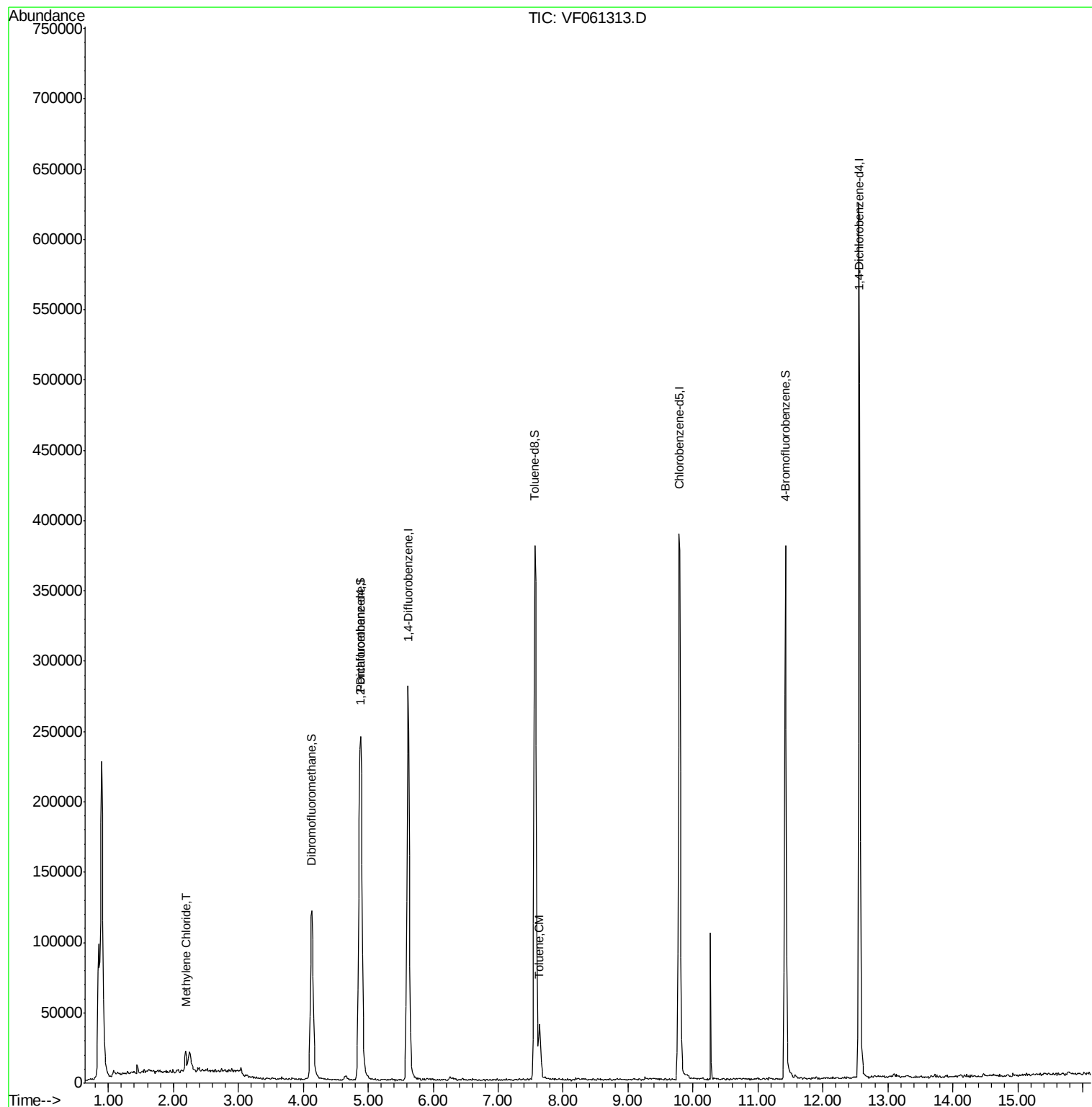
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF010919\
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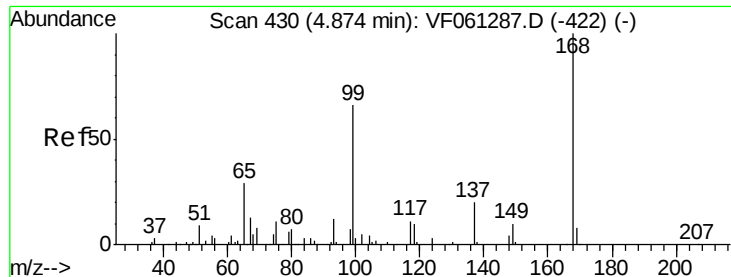
Instrument :
MSVOA_F
ClientSampleId :
MH-447-7.0-8.0

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF061313.D

Acq: 9 Jan 2019 20:58

Instrument :

MSVOA_F

ClientSampleId :

MH-447-7.0-8.0

Tot Ion:168 Resp: 179829

Ion Ratio Lower Upper

168 100

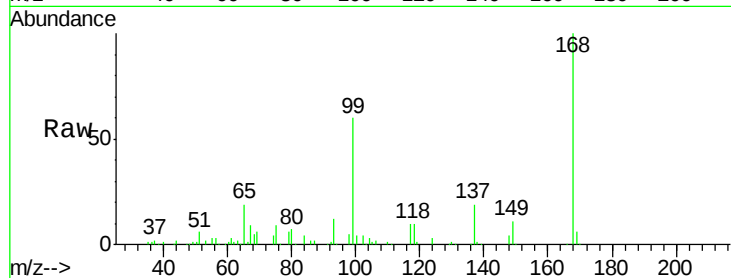
99 59.8 52.7 79.1

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

4.89

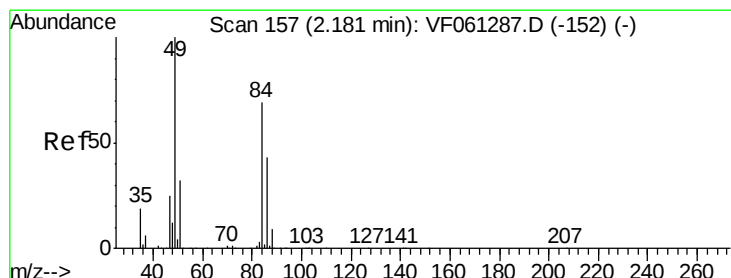
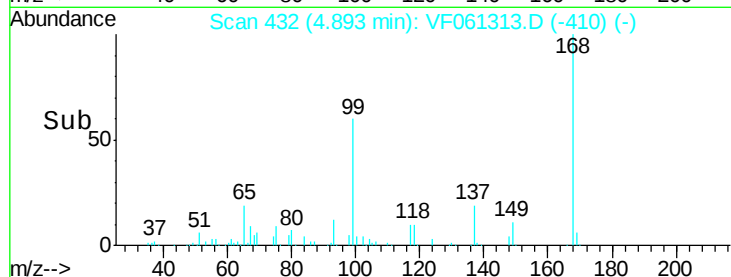
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#20

Methylene Chloride

Concen: 5.569 ug/l m

RT: 2.19 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF061313.D

Acq: 9 Jan 2019 20:58

Tgt Ion: 84 Resp: 10970

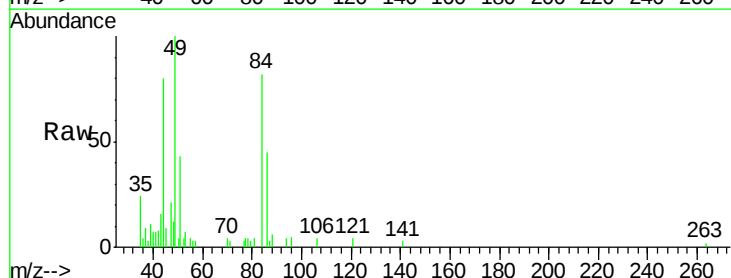
Ion Ratio Lower Upper

84 100

49 122.0 116.6 175.0

51 52.7 37.7 56.5

86 55.2 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

6000

5000

4000

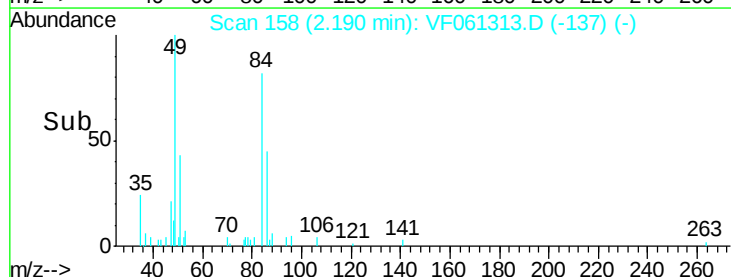
3000

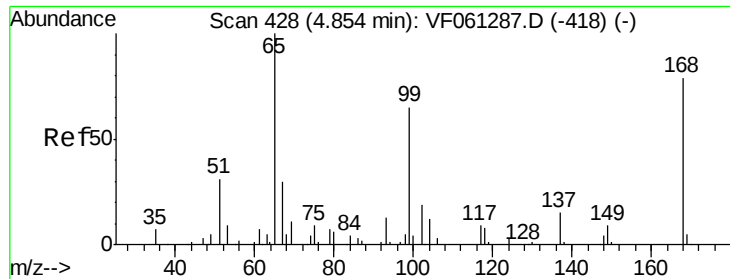
2000

1000

0

Time--> 2.10 2.20 2.30 2.40





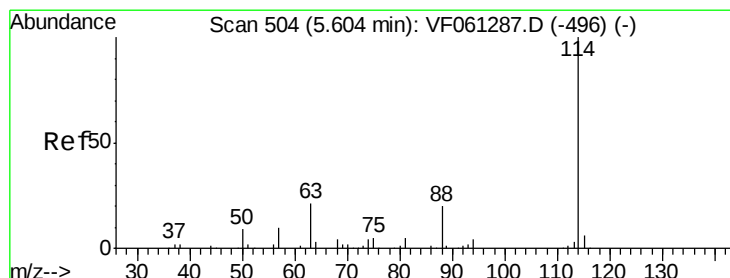
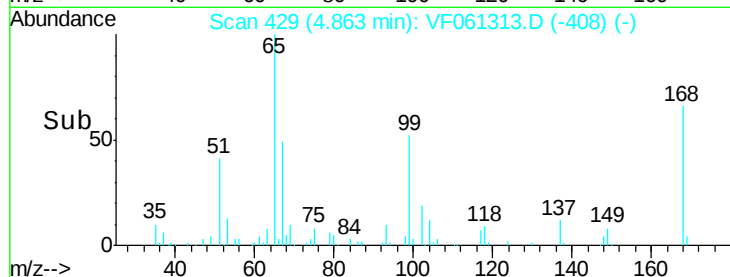
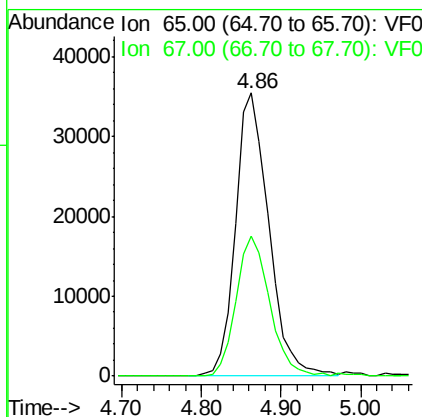
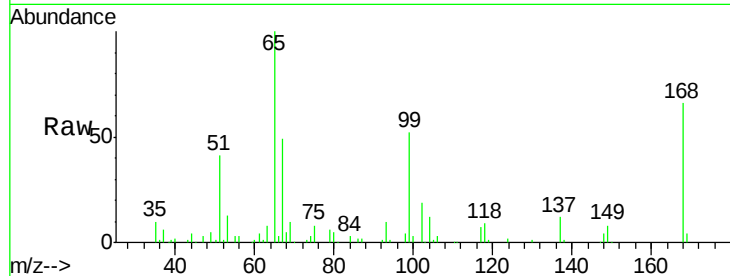
#33
 1,2-Dichloroethane-d4
 Concen: 51.367 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: VF061313.D
 Acq: 9 Jan 2019 20:58

Instrument :
 MSVOA_F
 ClientSampleId :
 MH-447-7.0-8.0

Tot Ion	Ratio	Resp	Lower	Upper
65	100	102816		
67	49.5	0.0	98.2	

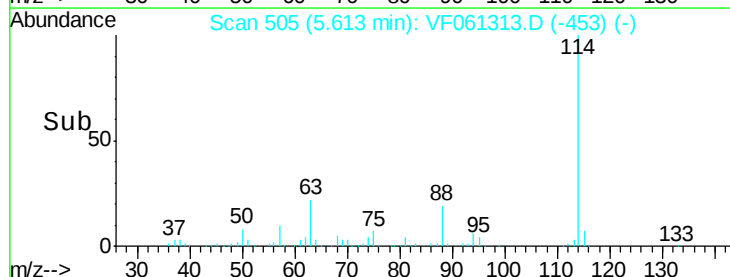
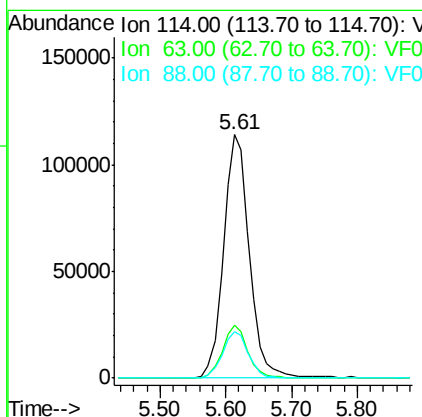
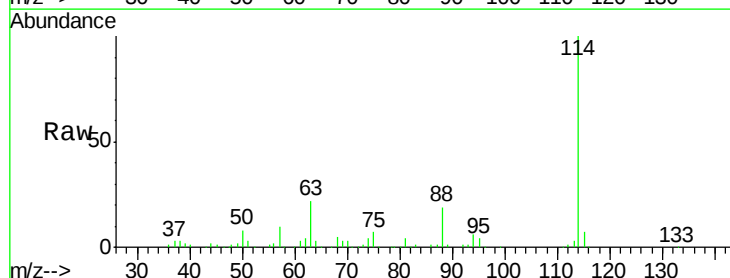
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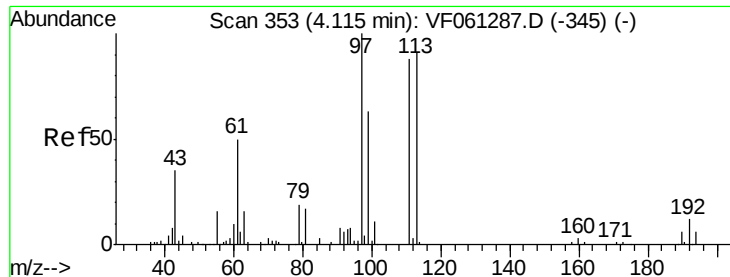
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF061313.D
 Acq: 9 Jan 2019 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	312198		
63	21.8	0.0	42.8	
88	19.2	0.0	40.0	





#35

Dibromofluoromethane

Concen: 50.647 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061313.D

Acq: 9 Jan 2019 20:58

Instrument :

MSVOA_F

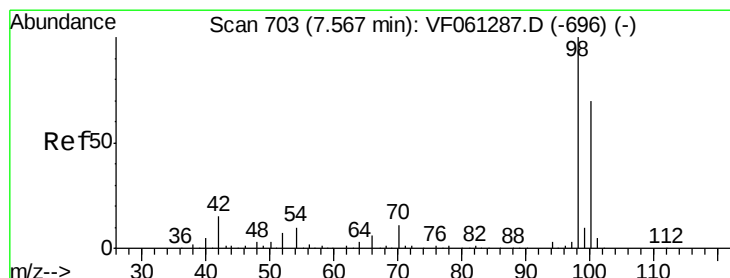
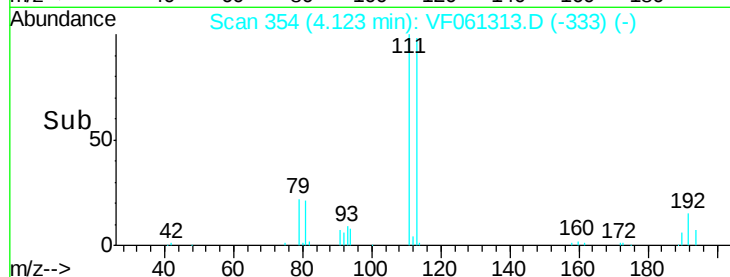
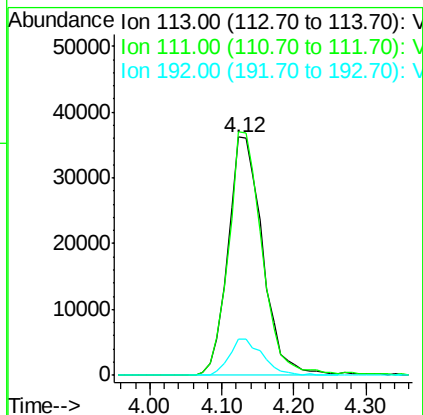
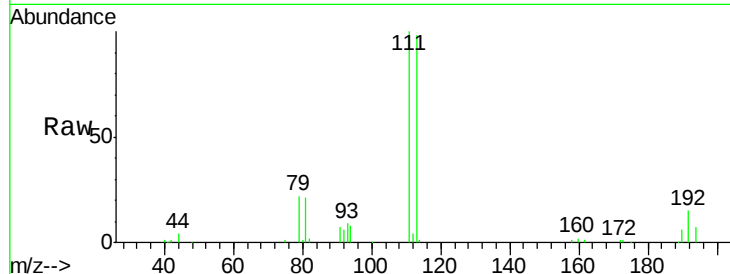
ClientSampleId :

MH-447-7.0-8.0

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
111	102.3		78.0	117.0	
192	15.1		10.6	16.0	

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#50

Toluene-d8

Concen: 46.733 ug/l

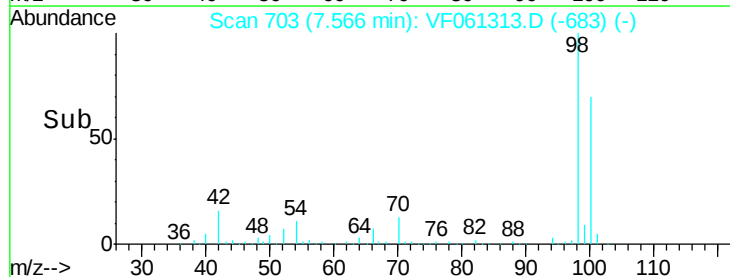
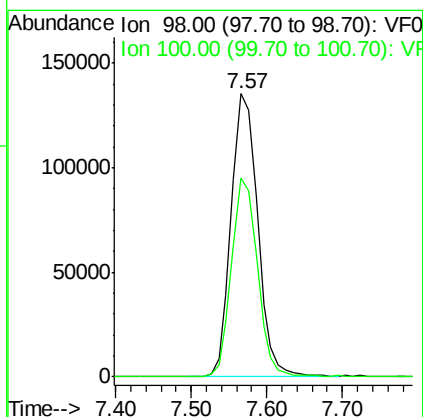
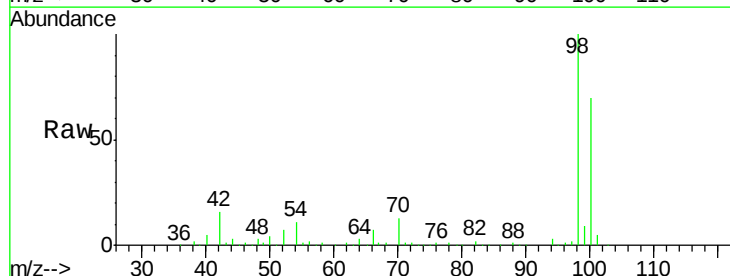
RT: 7.57 min Scan# 703

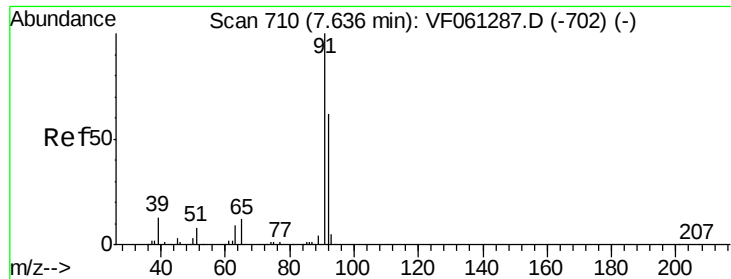
Delta R.T. -0.00 min

Lab File: VF061313.D

Acq: 9 Jan 2019 20:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
98	100				
100	70.1		55.6	83.4	





#52

Toluene

Concen: 3.610 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061313.D

Acq: 9 Jan 2019 20:58

Instrument :

MSVOA_F

ClientSampleId :

MH-447-7.0-8.0

Tot Ion: 92 Resp: 19752

Ion Ratio Lower Upper

92 100

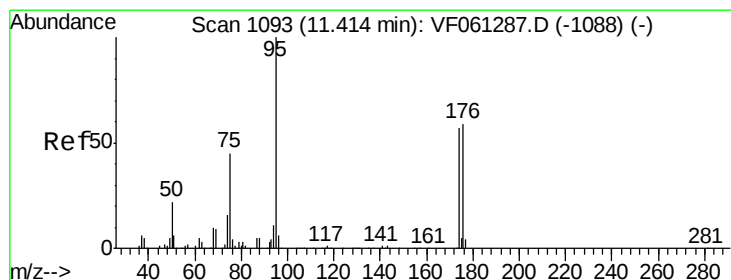
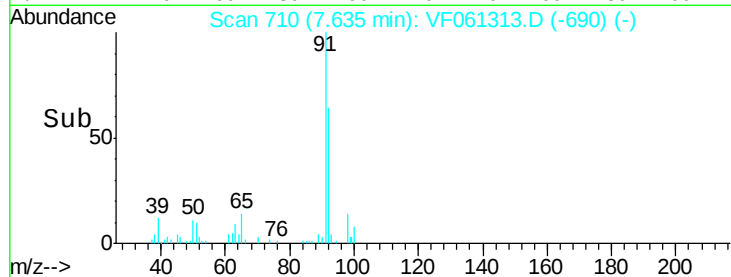
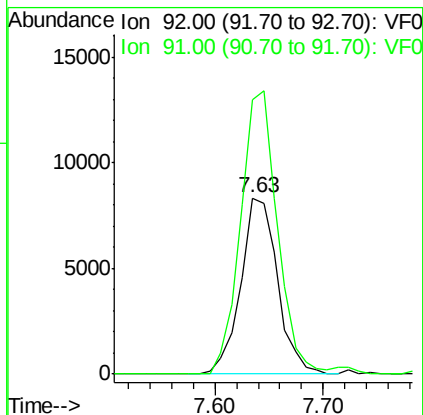
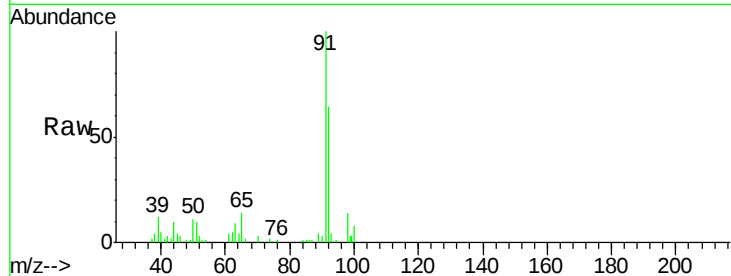
91 155.3 129.2 193.8

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#62

4-Bromofluorobenzene

Concen: 49.139 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061313.D

Acq: 9 Jan 2019 20:58

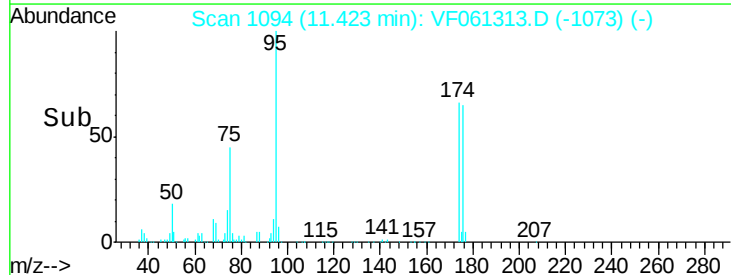
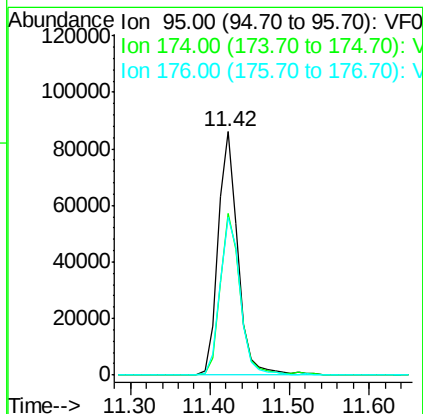
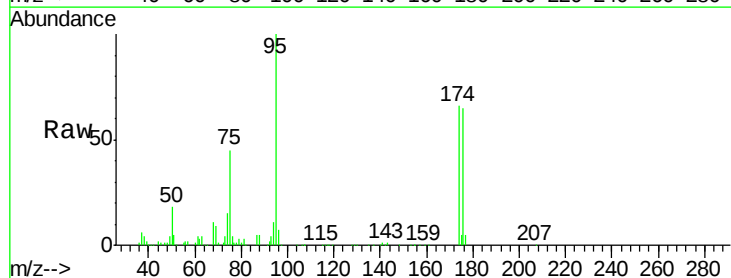
Tgt Ion: 95 Resp: 151684

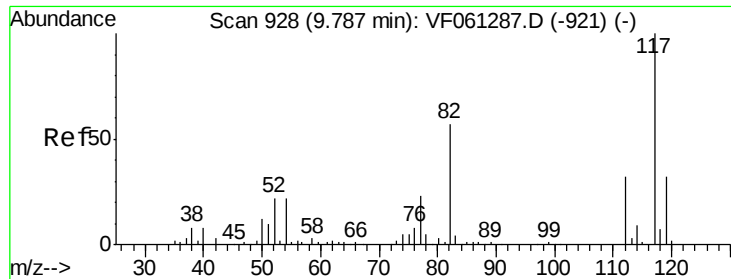
Ion Ratio Lower Upper

95 100

174 66.3 0.0 114.2

176 64.7 0.0 117.8





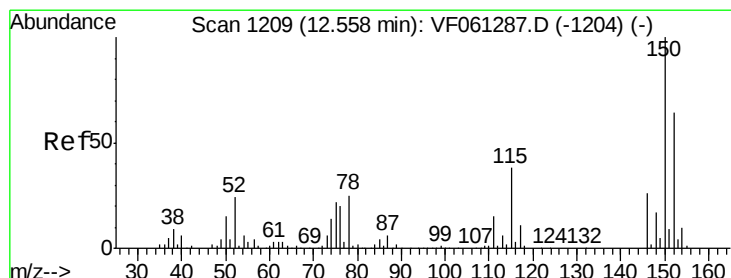
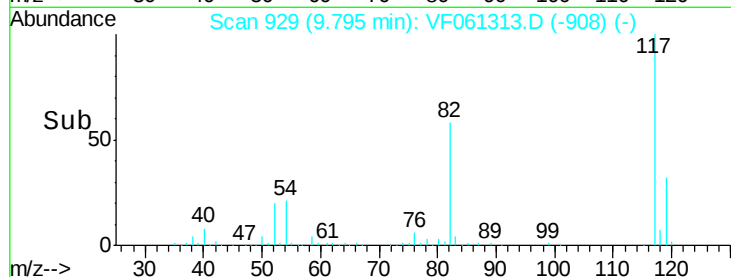
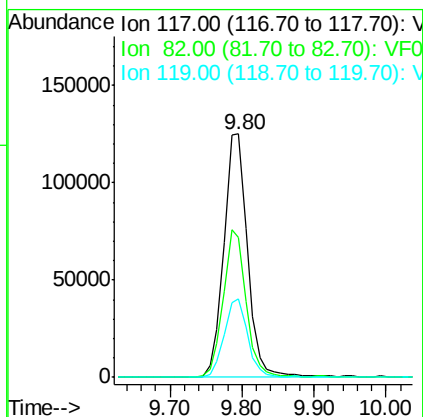
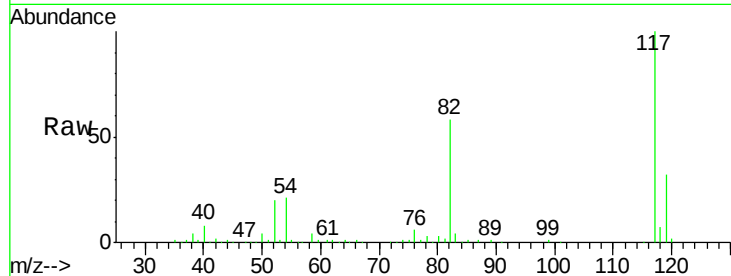
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061313.D
Acq: 9 Jan 2019 20:58

Instrument :
MSVOA_F
ClientSampleId :
MH-447-7.0-8.0

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.3	67.9
119	32.4	25.4	38.0

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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF061313.D
Acq: 9 Jan 2019 20:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.0	29.6	88.9
150	159.3	0.0	315.4

