

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062107.D
 Acq On : 23 Mar 2019 5:21
 Operator : VA/AP
 Sample : K2056-01
 Misc : 5.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-7

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:30 AM

Quant Time: Mar 23 07:06:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	215549	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	361947	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.79	117	247153	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	105840	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	91535	57.09	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	114.18%	
35) Dibromofluoromethane	4.14	113	140722	57.47	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	114.94%	
50) Toluene-d8	7.57	98	296526	40.57	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	81.14%	
62) 4-Bromofluorobenzene	11.43	95	118862	42.13	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	84.26%	
Target Compounds						
20) Methylene Chloride	2.19	84	23187m	8.781	ug/l	Qvalue

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

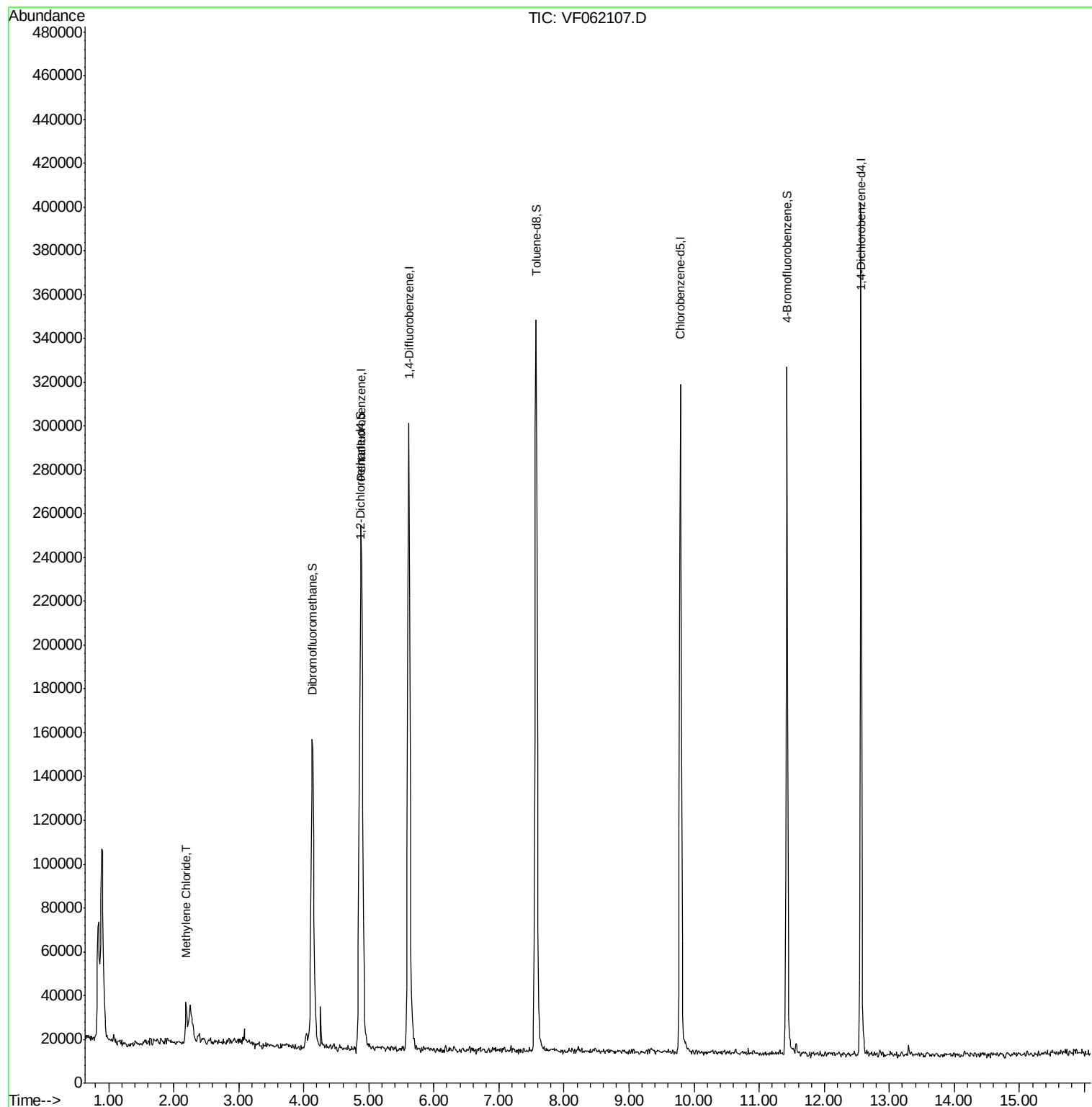
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032219\
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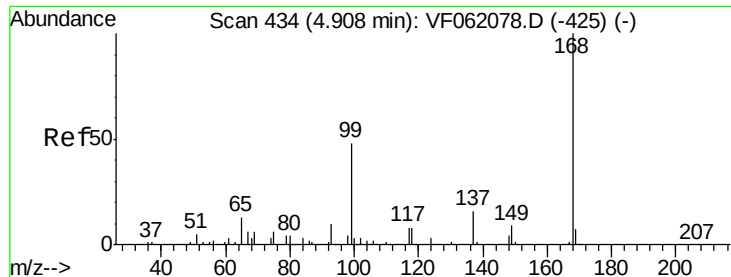
Instrument :
MSVOA_F
ClientSampleId :
CS-7

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Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 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: VF062107.D

Acq: 23 Mar 2019 5:21

Instrument :

MSVOA_F

ClientSampled :

CS-7

Tot Ion:168 Resp: 215549

Ion Ratio Lower Upper

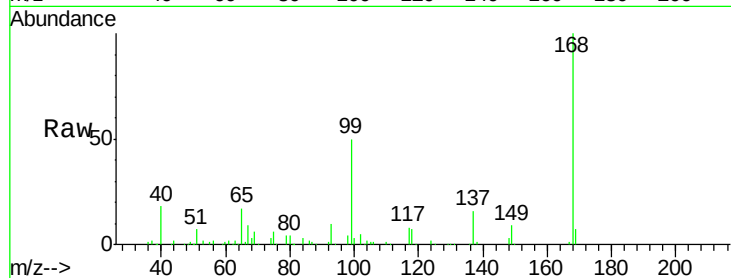
168 100

99 49.5 38.2 57.4

Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.89

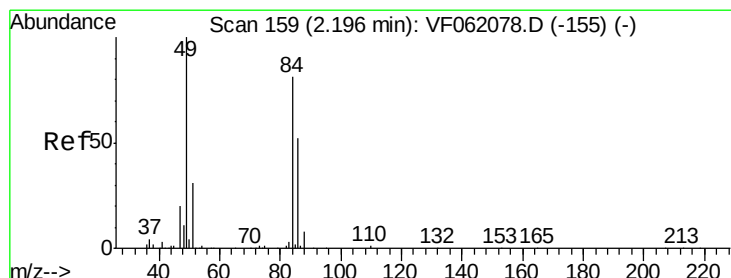
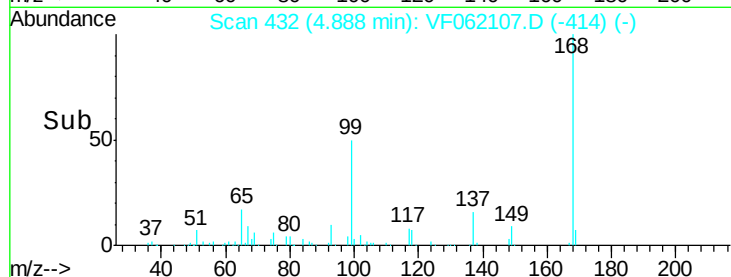
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#20

Methylene Chloride

Concen: 8.781 ug/l m

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF062107.D

Acq: 23 Mar 2019 5:21

Tgt Ion: 84 Resp: 23187

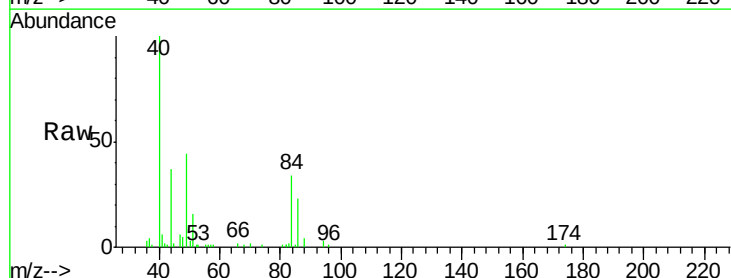
Ion Ratio Lower Upper

84 100

49 129.2 100.4 150.6

51 46.1 31.0 46.6

86 67.2 51.3 76.9



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

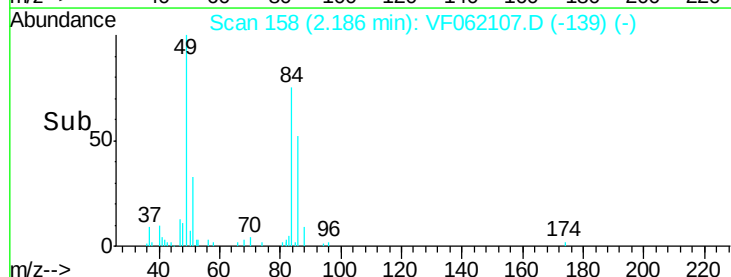
6000

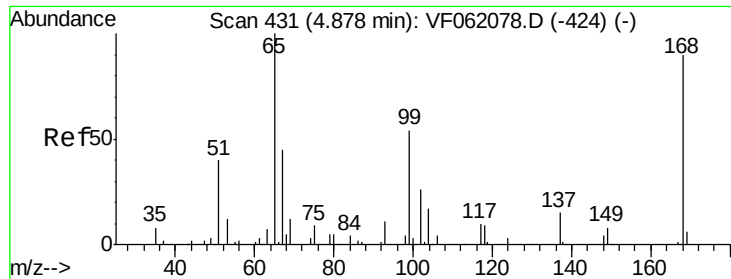
4000

2000

0

Time--> 2.10 2.20 2.30 2.40





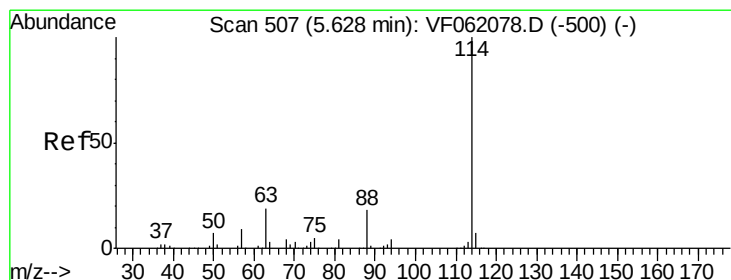
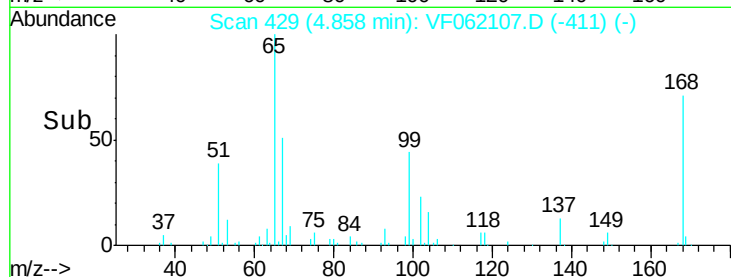
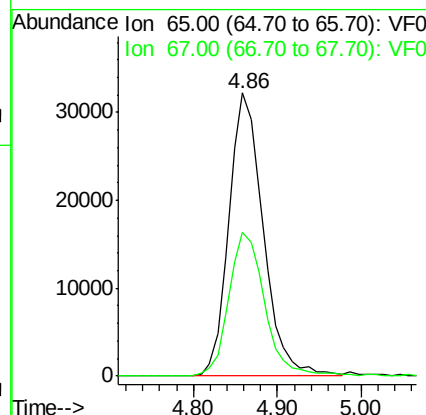
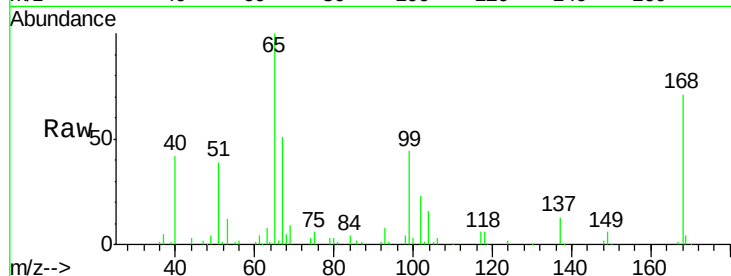
#33
 1,2-Dichloroethane-d4
 Concen: 57.093 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.02 min
 Lab File: VF062107.D
 Acq: 23 Mar 2019 5:21

Instrument :
 MSVOA_F
 ClientSampled :
 CS-7

Tot Ion	Ratio	Resp	Lower	Upper
65	100	91535		
67	51.0	0.0	106.2	

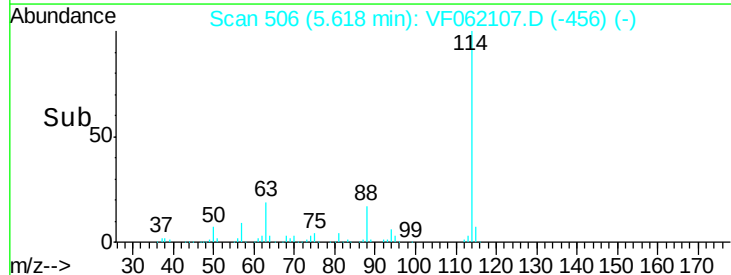
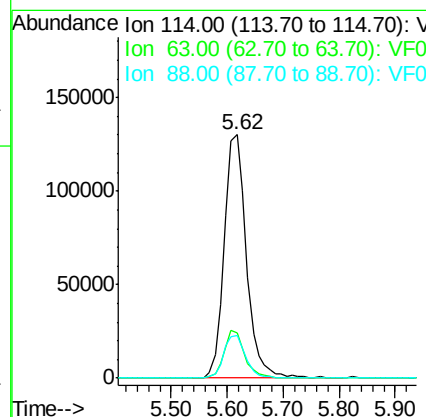
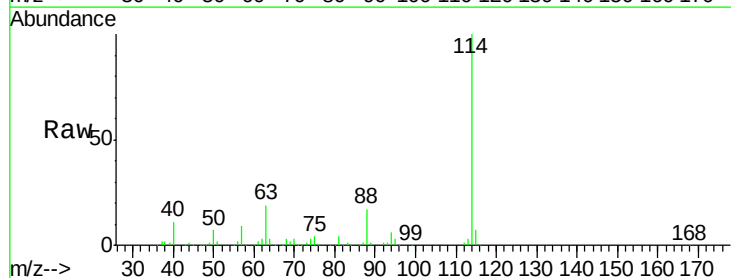
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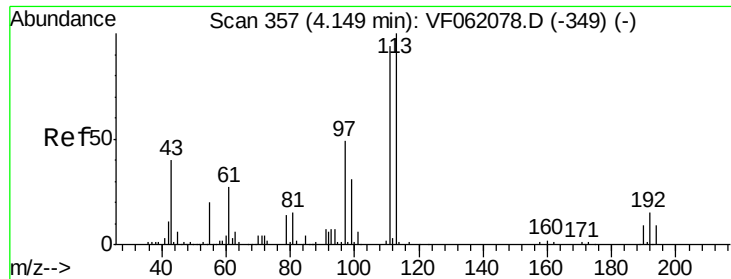
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VF062107.D
 Acq: 23 Mar 2019 5:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	361947		
63	18.7	0.0	37.8	
88	17.4	0.0	36.4	





#35

Dibromofluoromethane

Concen: 57.474 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF062107.D

Acq: 23 Mar 2019 5:21

Instrument :

MSVOA_F

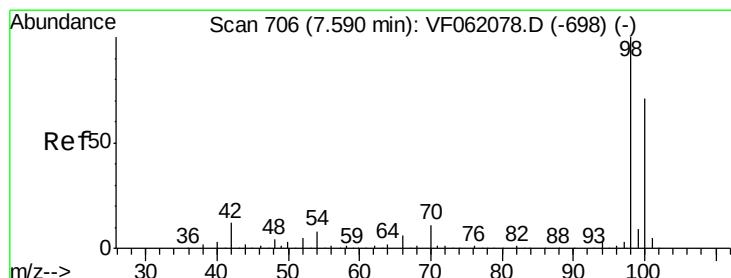
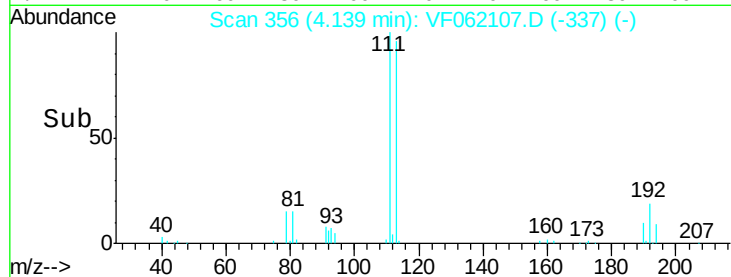
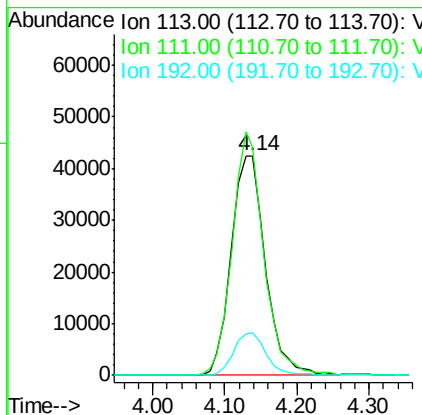
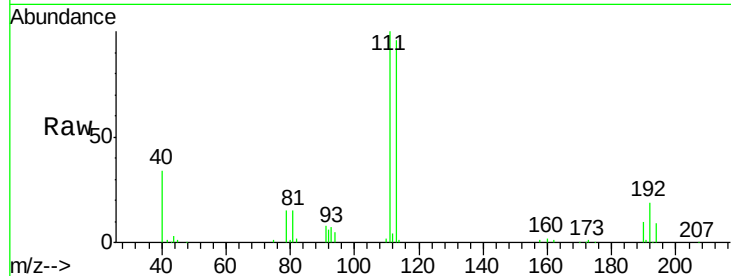
ClientSampleId :

CS-7

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
111	104.1	75.4	113.0		
192	19.6	12.3	18.5#		

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#50

Toluene-d8

Concen: 40.572 ug/l

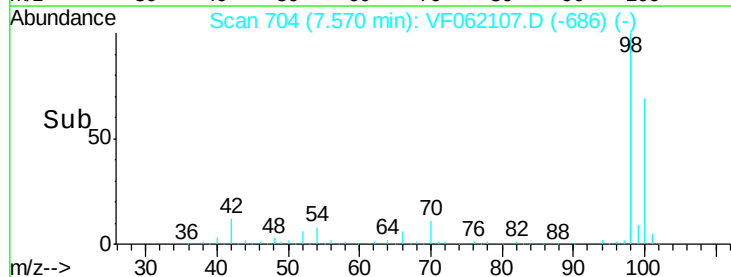
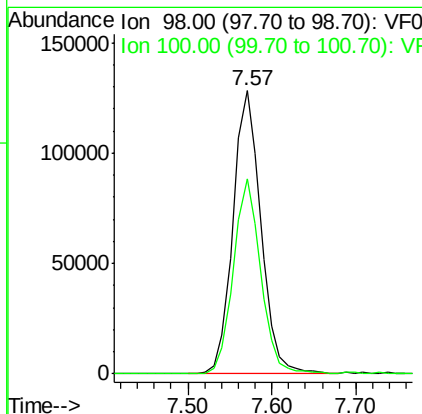
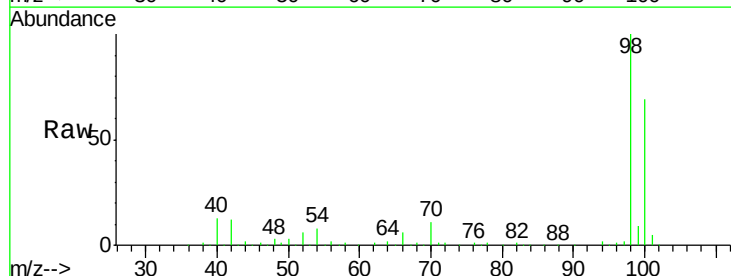
RT: 7.57 min Scan# 704

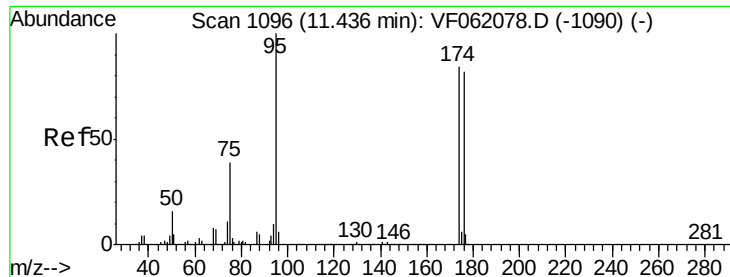
Delta R.T. -0.02 min

Lab File: VF062107.D

Acq: 23 Mar 2019 5:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
98	100				
100	69.1	57.0	85.6		





#62

4-Bromofluorobenzene

Concen: 42.127 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF062107.D

Acq: 23 Mar 2019 5:21

Instrument :

MSVOA_F

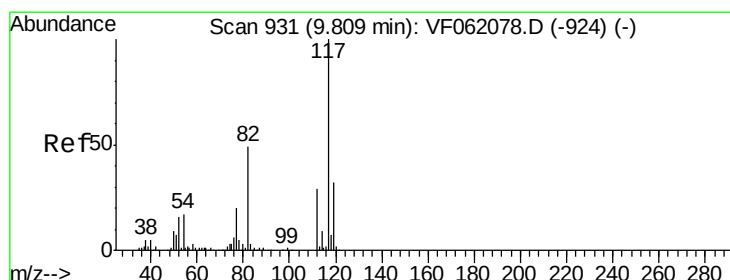
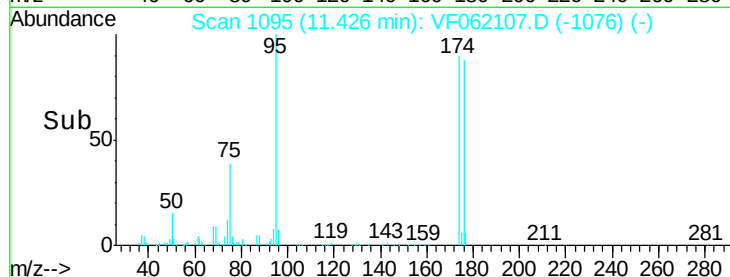
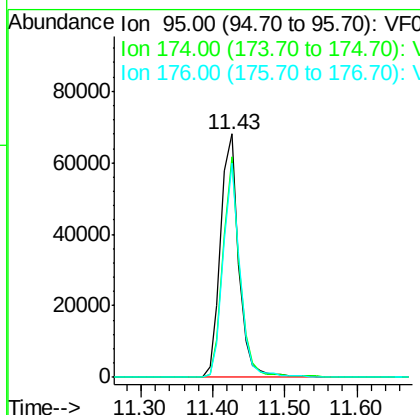
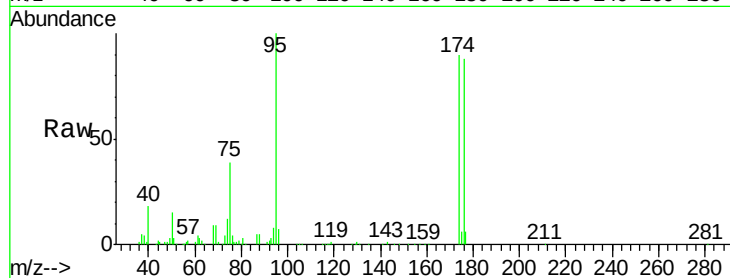
ClientSampled :

CS-7

Tot Ion:	95	Resp:	118862
Ion Ratio	Lower	Upper	
95	100		
174	90.4	0.0	168.2
176	88.0	0.0	164.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

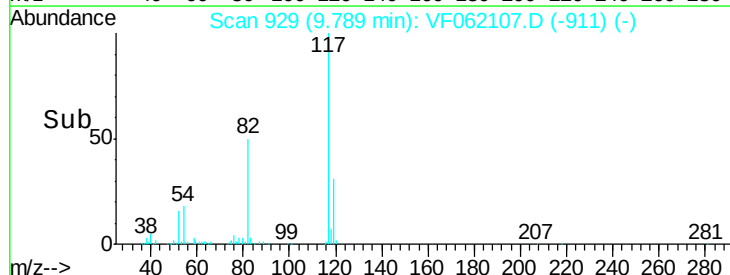
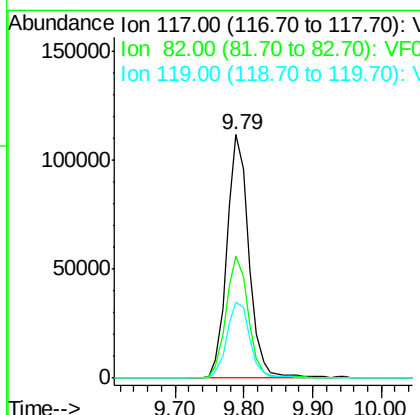
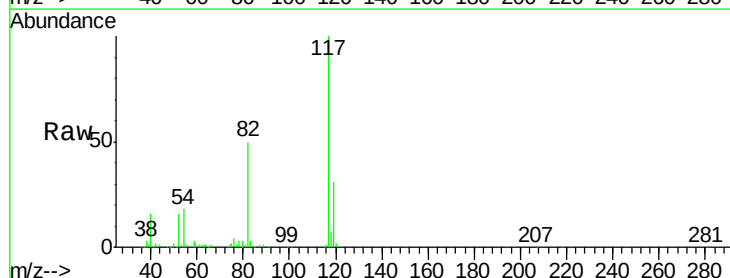
RT: 9.79 min Scan# 929

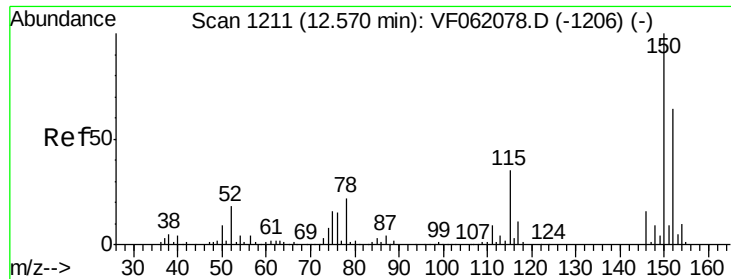
Delta R.T. -0.02 min

Lab File: VF062107.D

Acq: 23 Mar 2019 5:21

Tgt Ion:	117	Resp:	247153
Ion Ratio	Lower	Upper	
117	100		
82	49.9	39.2	58.8
119	31.4	25.4	38.2





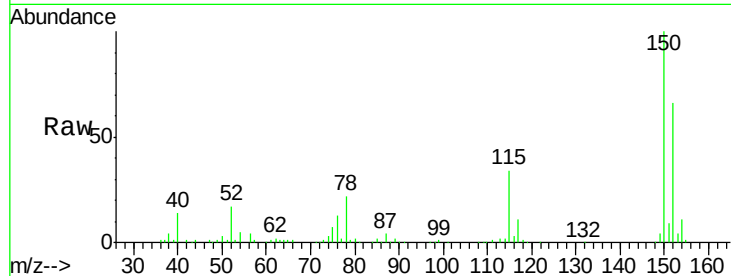
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF062107.D
 Acq: 23 Mar 2019 5:21

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-7

Tot Ion	Ratio	Resp	Lower	Upper
152	100	105840		
115	52.3		27.7	83.1
150	152.2		0.0	313.2

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Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

