

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060899.D
 Acq On : 3 Dec 2018 18:52
 Operator : VA/AP
 Sample : J6160-01
 Misc : 7.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT

Manual Integrations
 APPROVED

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Quant Time: Dec 04 04:02:43 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	4.89	168	181707	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	306761	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	293725	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	159885	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	117550	54.92	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	109.84%	
35) Dibromofluoromethane	4.13	113	128342	52.74	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	105.48%	
50) Toluene-d8	7.57	98	318180	44.38	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.76%	
62) 4-Bromofluorobenzene	11.43	95	161331	49.52	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.04%	
Target Compounds						
20) Methylene Chloride	2.26	84	12436m	8.588	ug/l	
52) Toluene	7.64	92	43442	8.228	ug/l	99

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

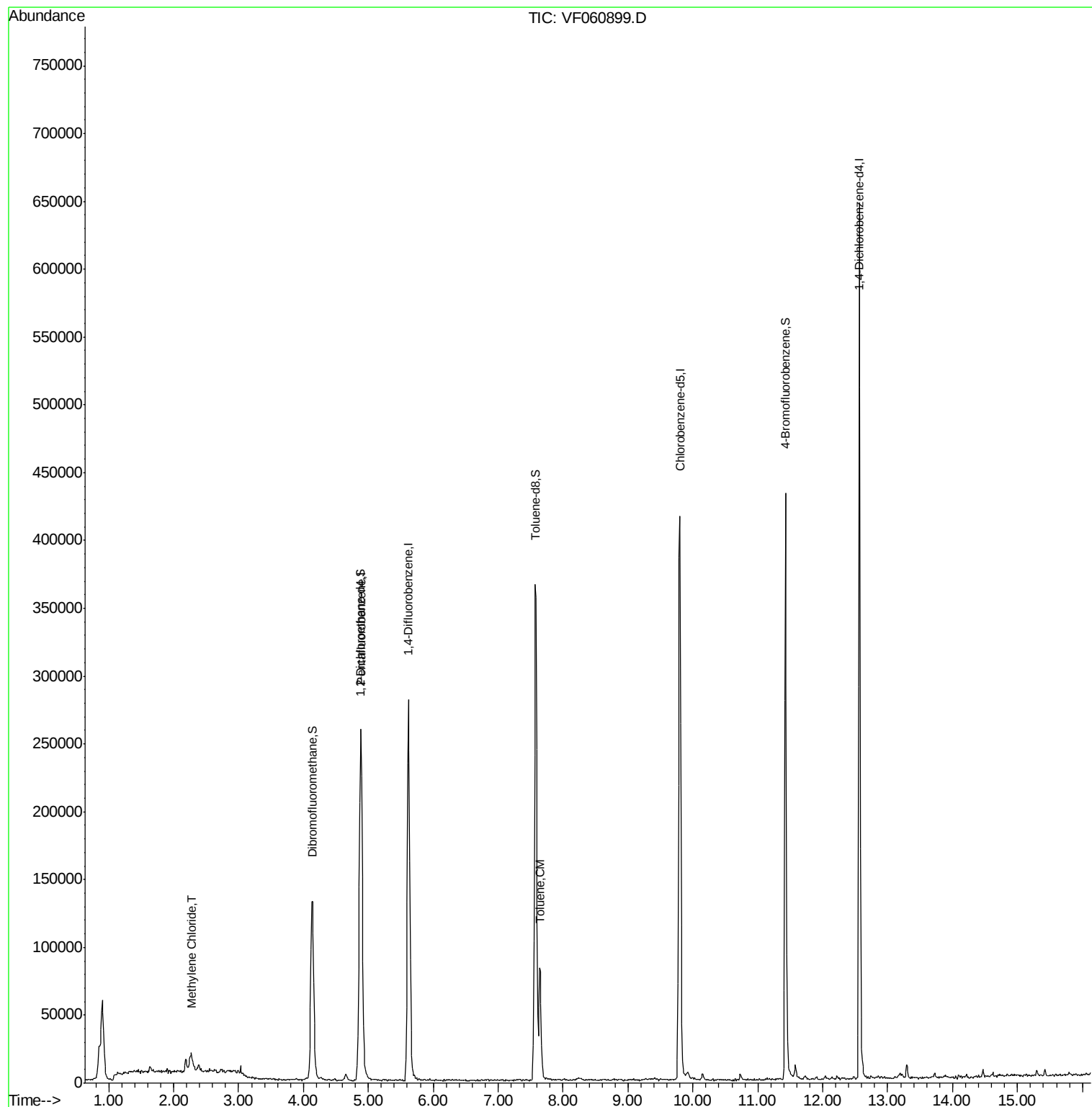
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120318\
Data File : VF060899.D
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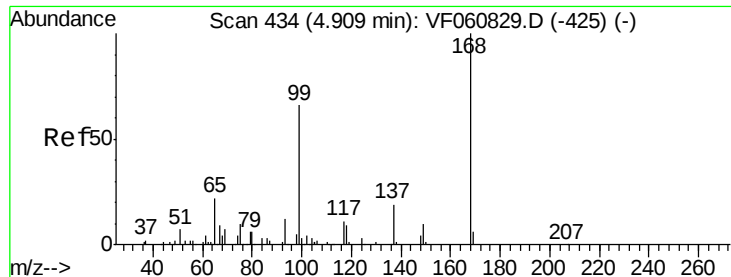
Instrument :
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Quant Time: Dec 04 04:02:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT

Tot Ion:168 Resp: 181707

Ion Ratio Lower Upper

168 100

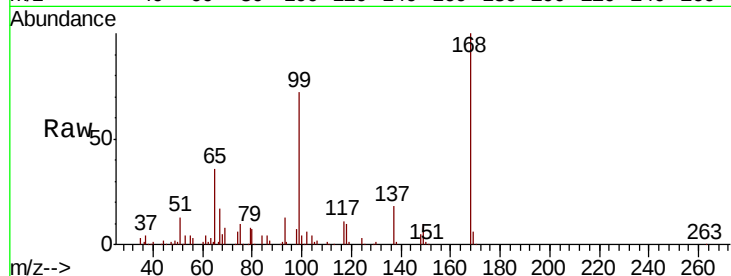
99 71.8 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

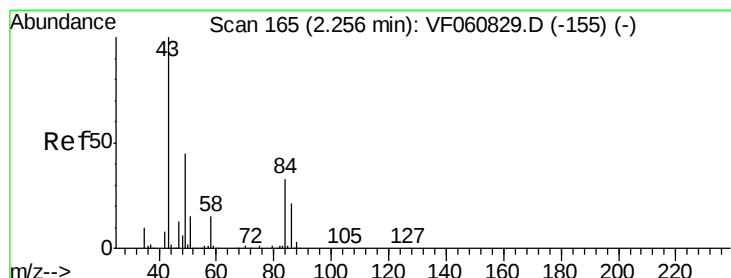
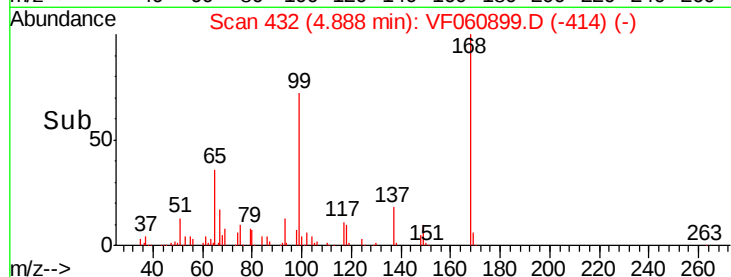
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 8.588 ug/l m

RT: 2.26 min Scan# 166

Delta R.T. 0.01 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

Tgt Ion: 84 Resp: 12436

Ion Ratio Lower Upper

84 100

49 119.3 111.3 166.9

51 27.8 38.0 57.0#

86 49.6 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

4000

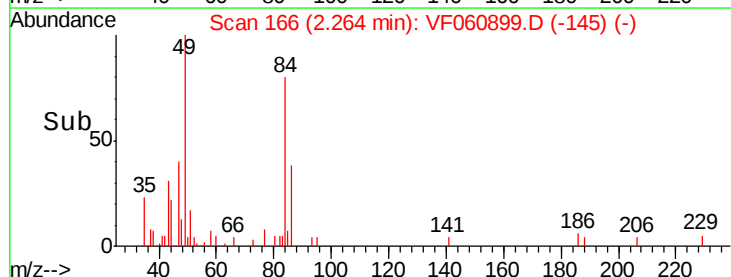
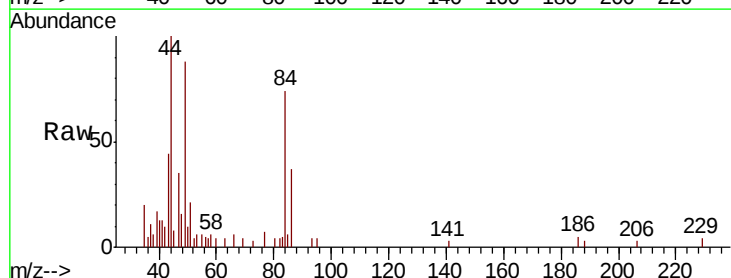
3000

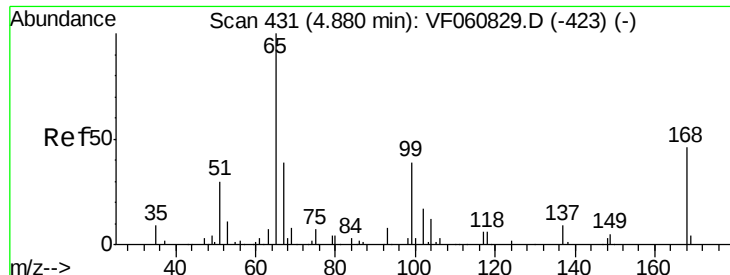
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 54.915 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT

Tot Ion: 65 Resp: 117550

Ion Ratio Lower Upper

65 100

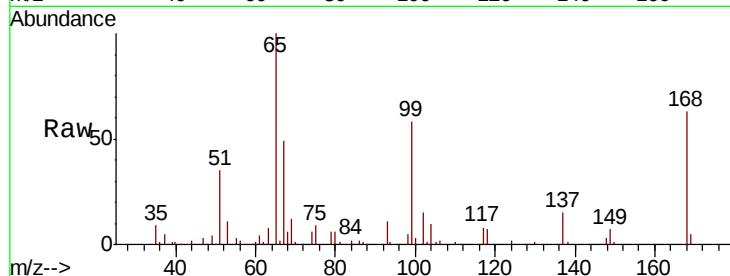
67 48.7 0.0 96.4

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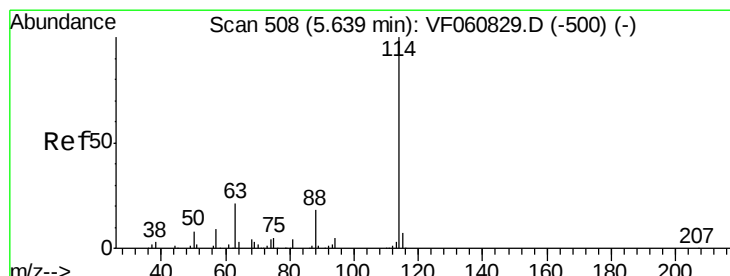
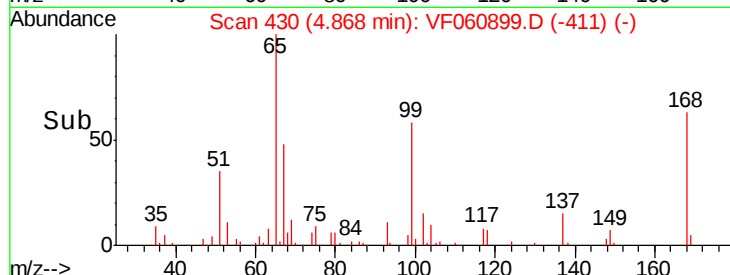
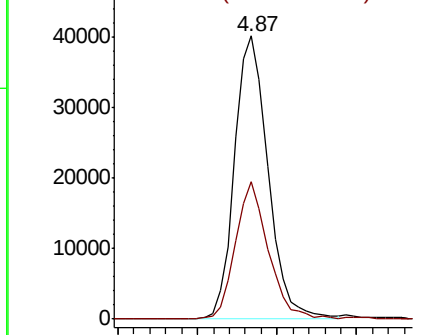
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

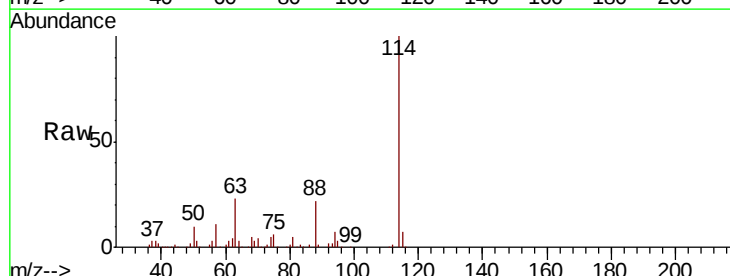
Tgt Ion: 114 Resp: 306761

Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.6

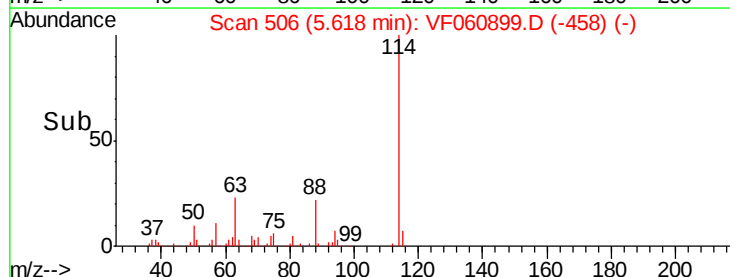
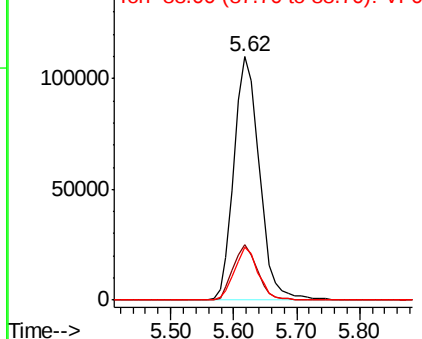
88 21.9 0.0 36.6

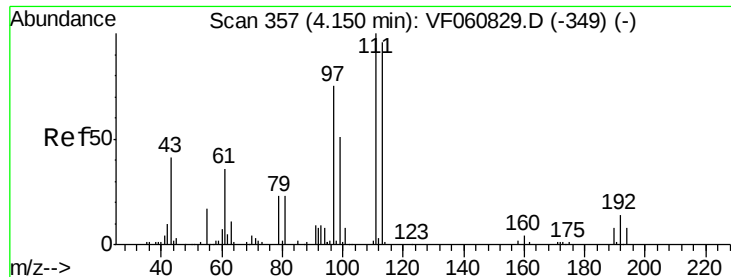


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 52.737 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

Instrument :

MSVOA_F

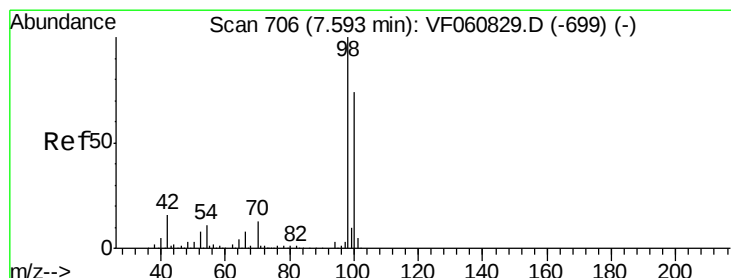
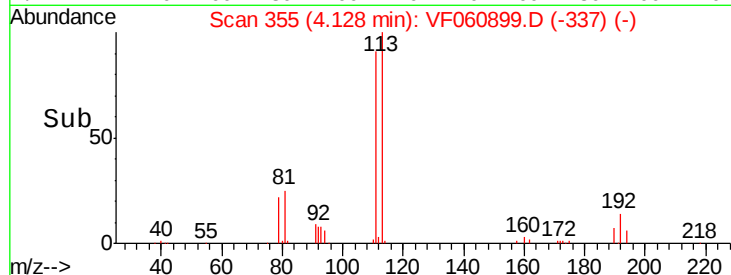
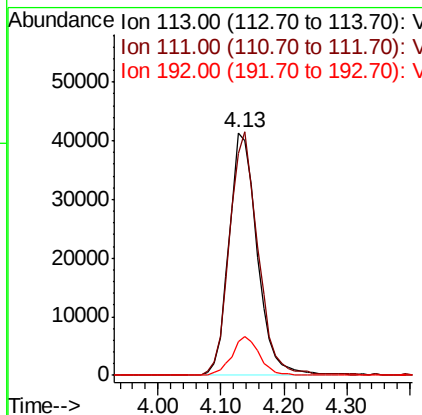
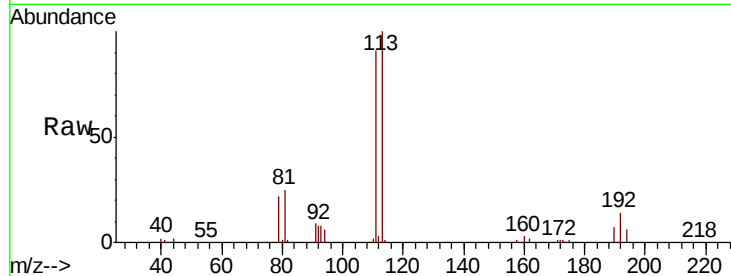
ClientSampleId :

TEST-PIT

Tot Ion:	113	Resp:	128342
Ion Ratio	Lower	Upper	
113	100		
111	91.3	83.0	124.6
192	13.7	12.3	18.5

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#50

Toluene-d8

Concen: 44.385 ug/l

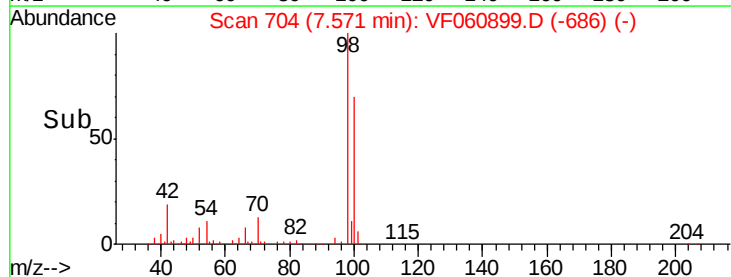
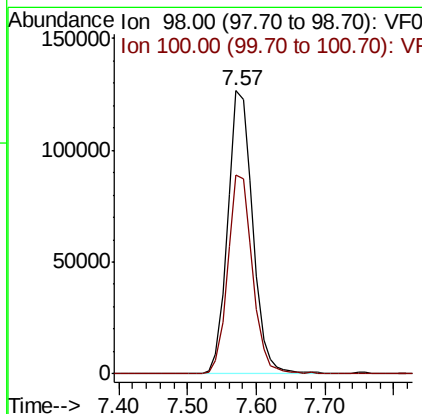
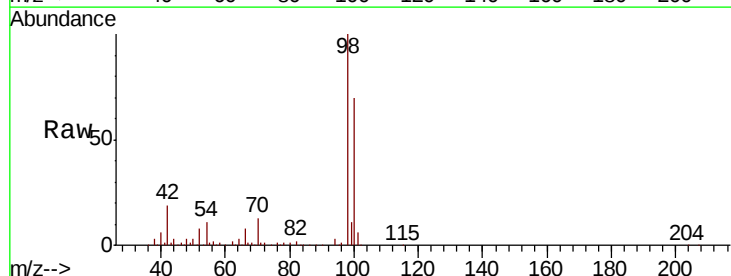
RT: 7.57 min Scan# 704

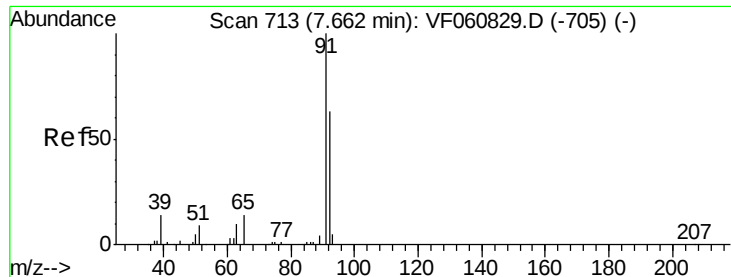
Delta R.T. -0.02 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

Tgt Ion:	98	Resp:	318180
Ion Ratio	Lower	Upper	
98	100		
100	70.1	59.3	88.9





#52

Toluene

Concen: 8.228 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT

Tot Ion: 92 Resp: 43442

Ion Ratio Lower Upper

92 100

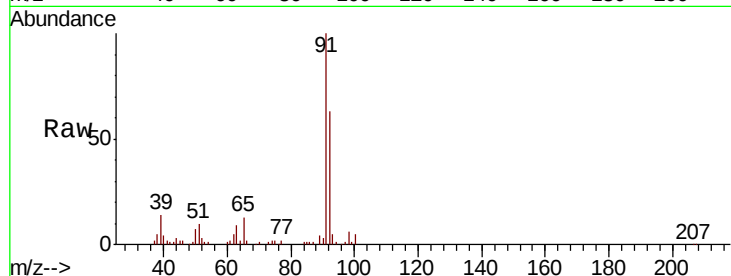
91 158.8 126.2 189.2

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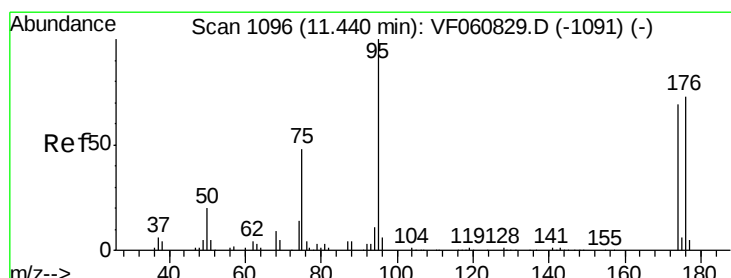
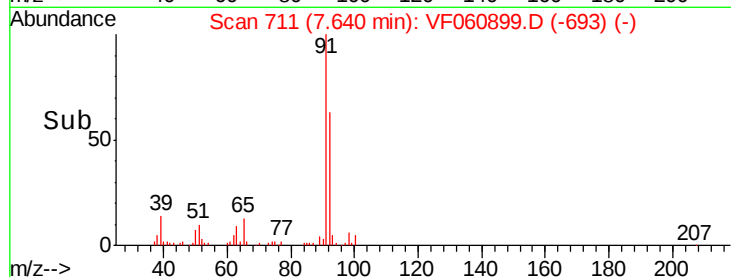
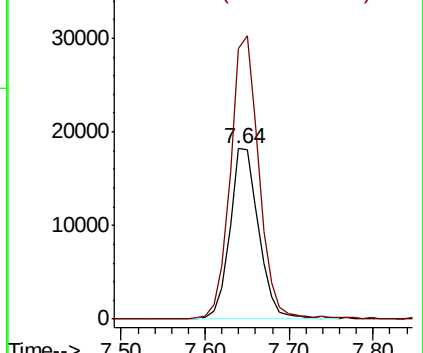
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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 49.517 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

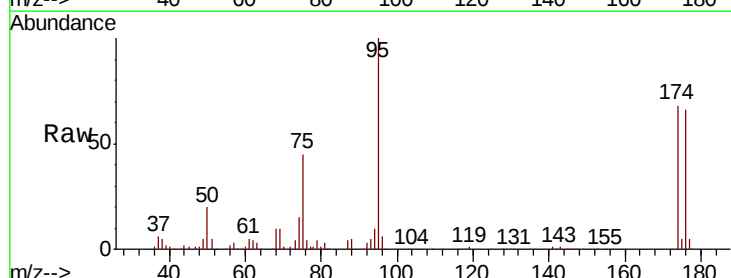
Tgt Ion: 95 Resp: 161331

Ion Ratio Lower Upper

95 100

174 68.3 0.0 138.2

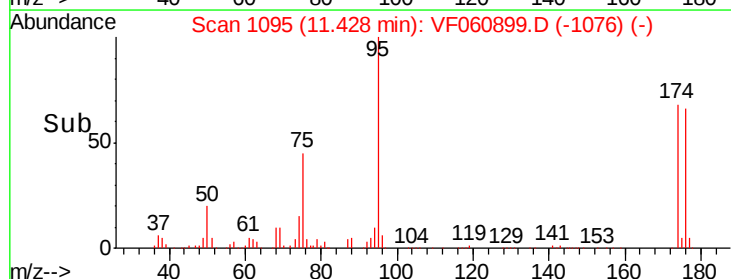
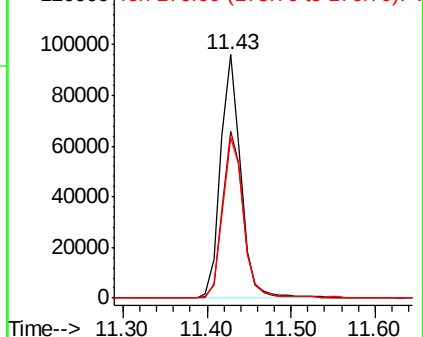
176 65.7 0.0 146.2

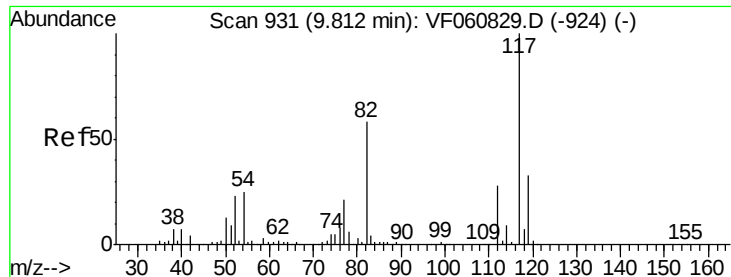


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





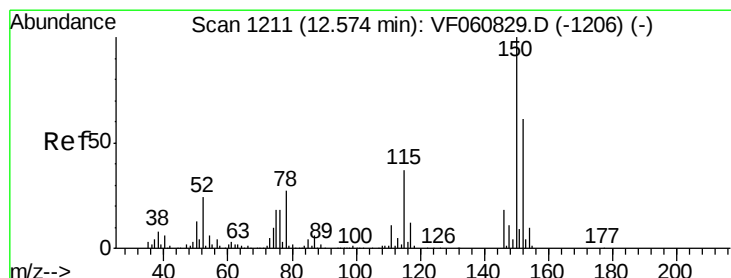
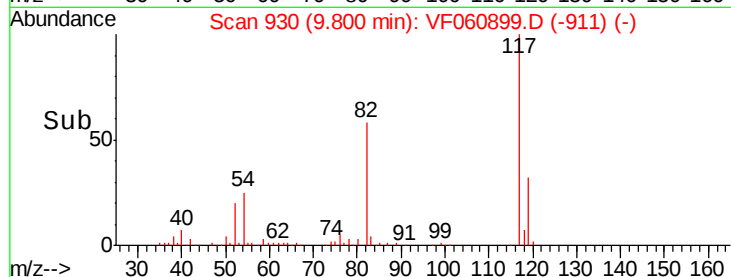
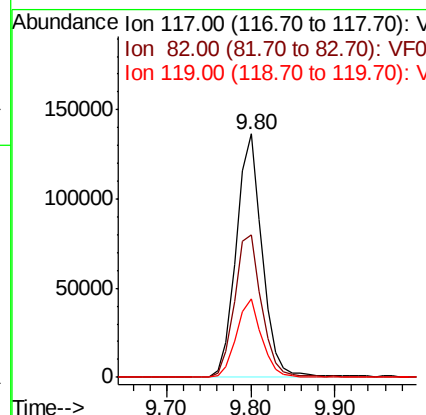
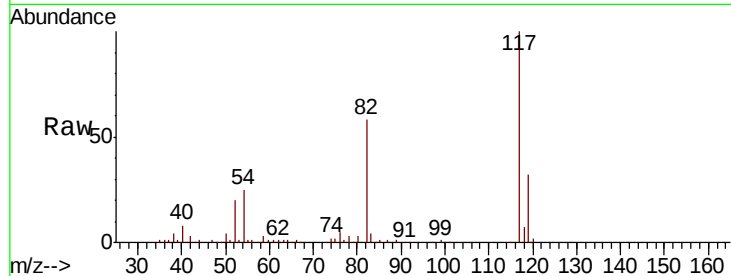
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060899.D
Acq: 3 Dec 2018 18:52

Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293725		
82	58.4	46.6	69.8	
119	32.1	26.4	39.6	

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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF060899.D
Acq: 3 Dec 2018 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	159885		
115	66.6	30.1	90.5	
150	157.8	0.0	327.6	

