

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
 Data File : VF061026.D
 Acq On : 14 Dec 2018 18:08
 Operator : VA/AP
 Sample : J6403-33RE
 Misc : 5.06g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5-ARE

Manual Integrations
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Quant Time: Dec 15 01:11:16 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	4.86	168	243037	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	403183	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	337435	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	133927	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	142472	49.76	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	99.52%	
35) Dibromofluoromethane	4.11	113	163886	51.24	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	102.48%	
50) Toluene-d8	7.55	98	429799	45.62	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	91.24%	
62) 4-Bromofluorobenzene	11.40	95	164053	38.31	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	76.62%	
Target Compounds						
16) Acetone	2.23	43	35602	67.433	ug/l	96
20) Methylene Chloride	2.24	84	7545m	3.895	ug/l	
25) 2-Butanone	4.33	43	8536	9.347	ug/l	100

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

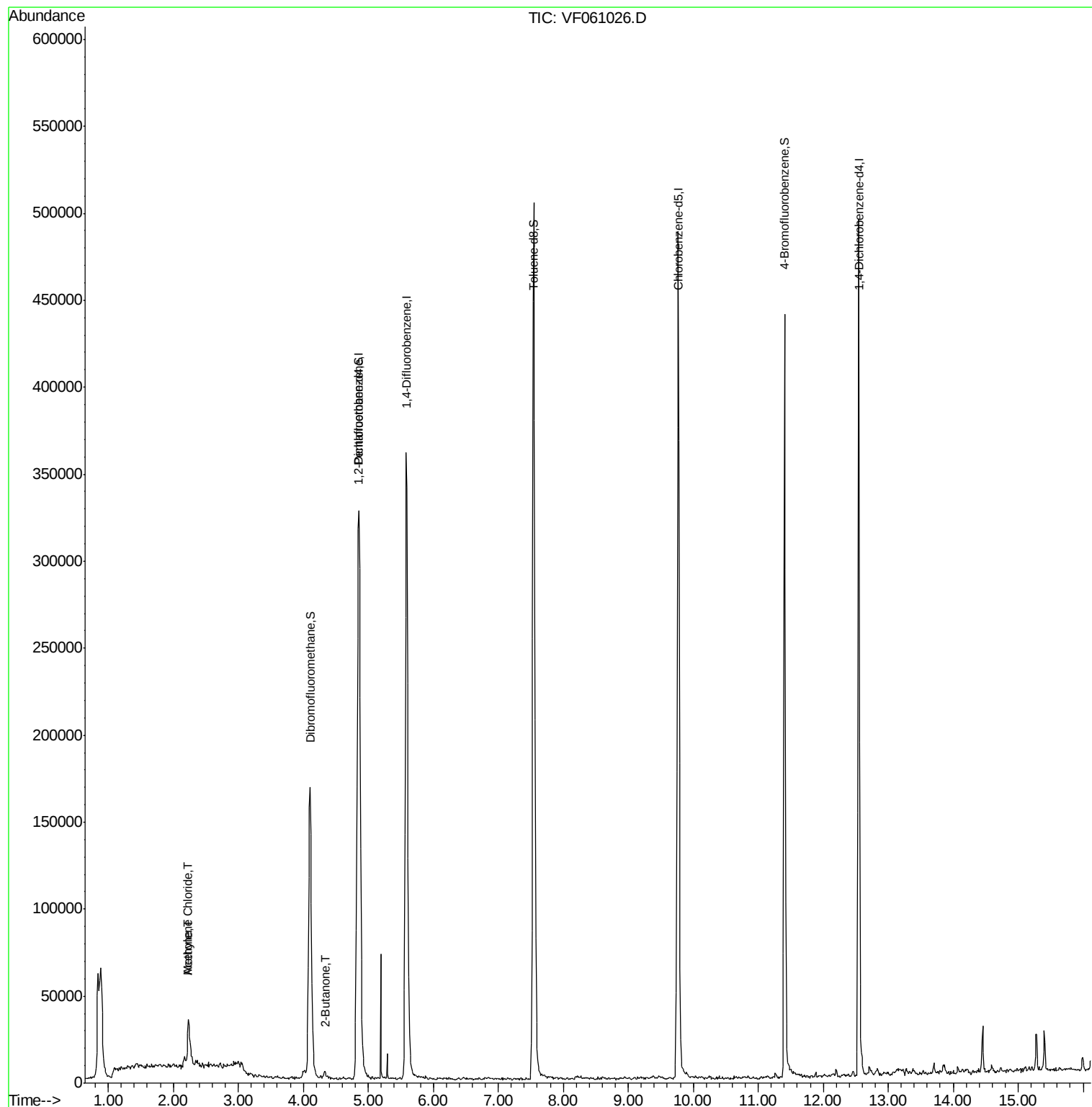
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
Data File : VF061026.D
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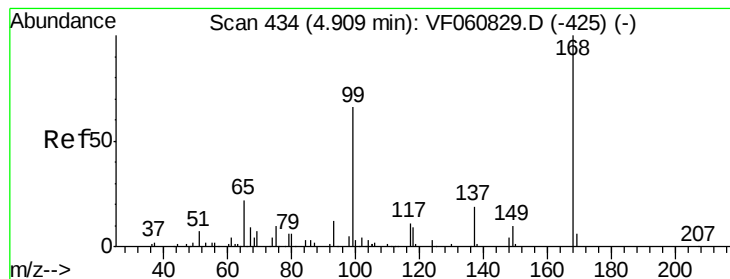
Instrument :
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Quant Time: Dec 15 01:11:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.04 min

Lab File: VF061026.D

Acq: 14 Dec 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

TP-5-ARE

Tgt Ion:168 Resp: 243037

Ion Ratio Lower Upper

168 100

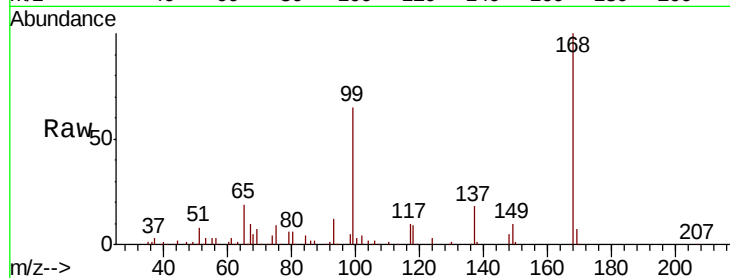
99 64.7 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

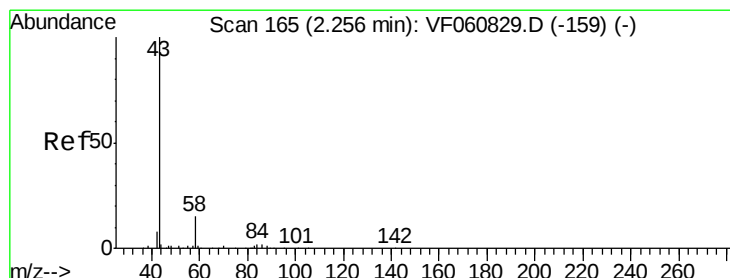
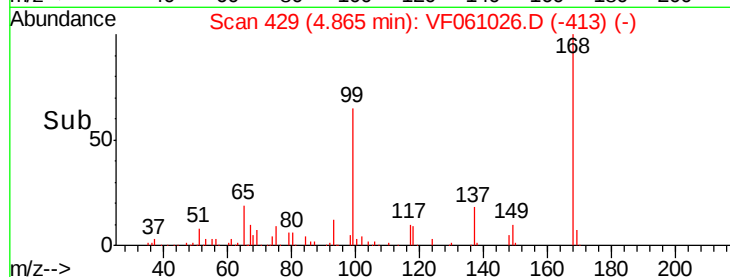
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#16

Acetone

Concen: 67.433 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061026.D

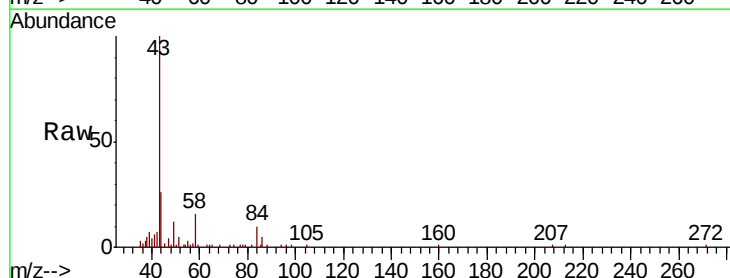
Acq: 14 Dec 2018 18:08

Tgt Ion: 43 Resp: 35602

Ion Ratio Lower Upper

43 100

58 15.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

15000

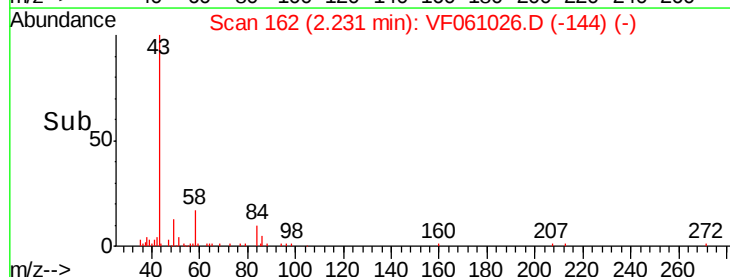
10000

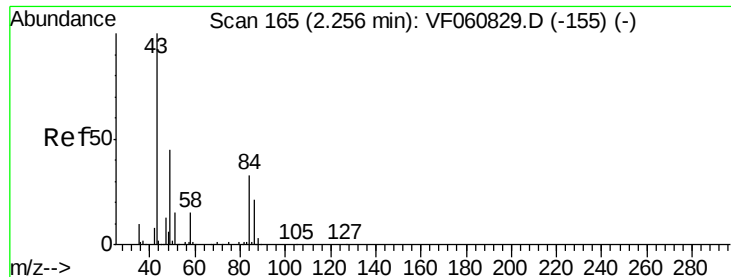
5000

0

2.10 2.20 2.30

Time-->





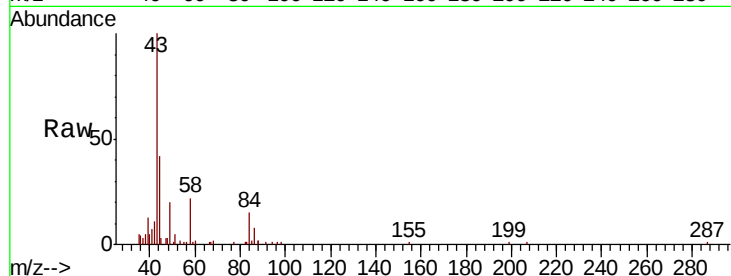
#20
Methylene Chloride
Concen: 3.895 ug/l m
RT: 2.24 min Scan# 163
Delta R.T. -0.01 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
TP-5-ARE

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.7	111.3	166.9
51	36.9	38.0	57.0#
86	53.1	49.8	74.8

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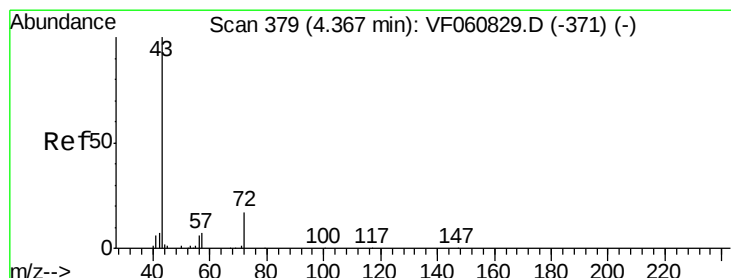
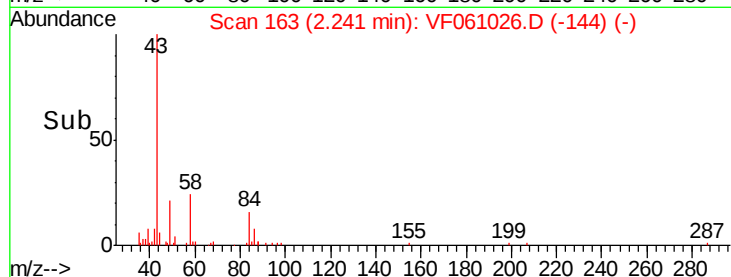
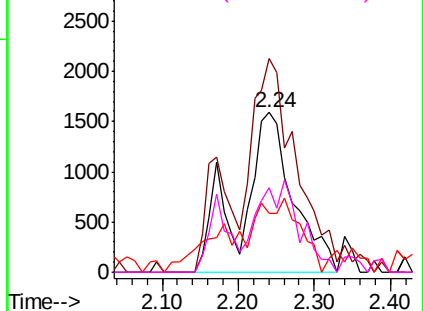
Abundance

Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

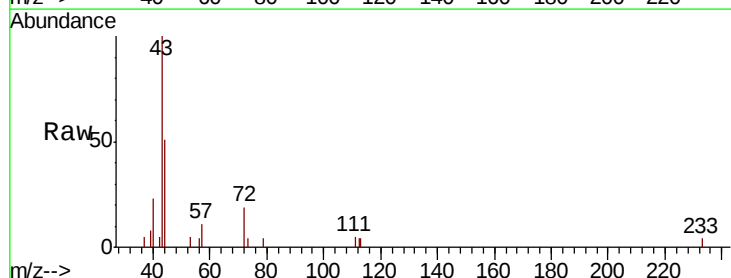
Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25
2-Butanone
Concen: 9.347 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.03 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

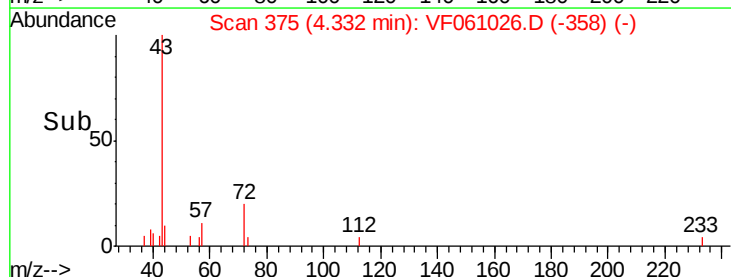
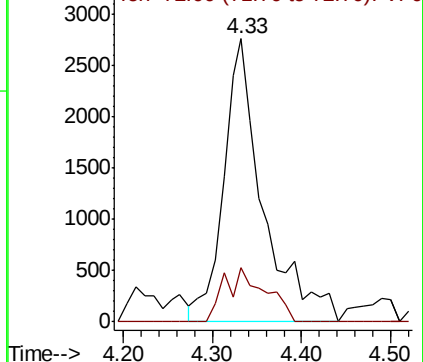
Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.2	15.4	23.2

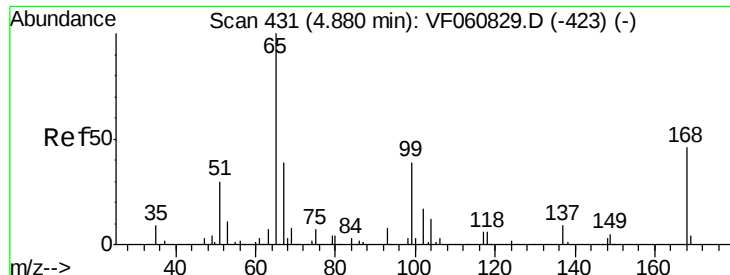


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 49.762 ug/l

RT: 4.84 min Scan# 426

Delta R.T. -0.04 min

Lab File: VF061026.D

Acq: 14 Dec 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

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Tgt Ion: 65 Resp: 142472

Ion Ratio Lower Upper

65 100

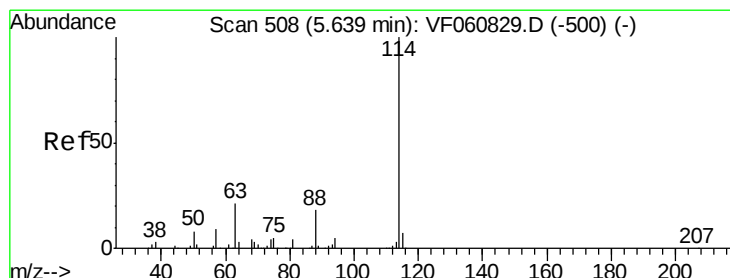
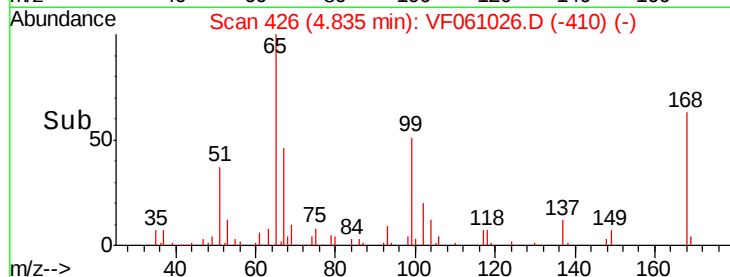
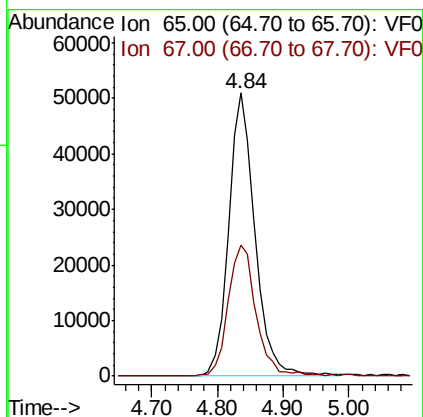
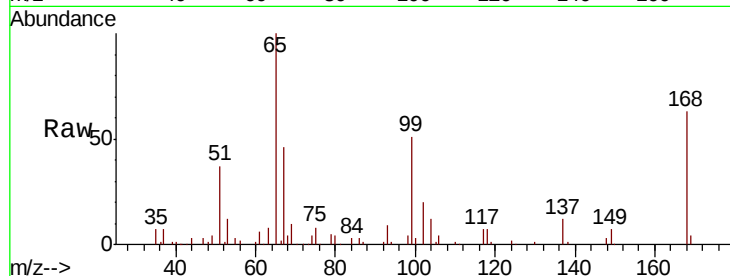
67 46.1 0.0 96.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 502

Delta R.T. -0.05 min

Lab File: VF061026.D

Acq: 14 Dec 2018 18:08

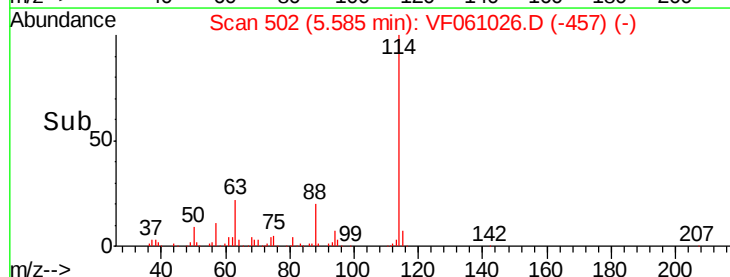
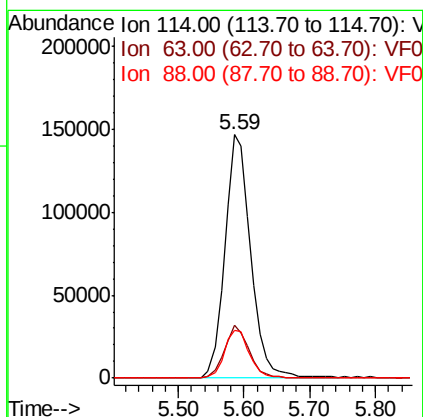
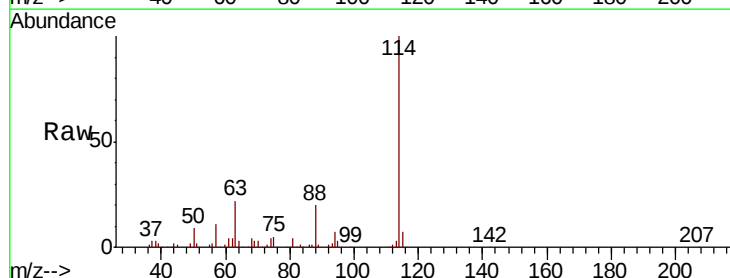
Tgt Ion: 114 Resp: 403183

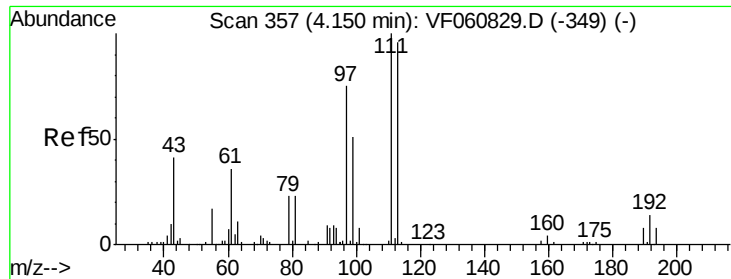
Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.6

88 19.5 0.0 36.6





#35

Dibromofluoromethane

Concen: 51.238 ug/l

RT: 4.11 min Scan# 352

Delta R.T. -0.04 min

Lab File: VF061026.D

Acq: 14 Dec 2018 18:08

Instrument :

MSVOA_F

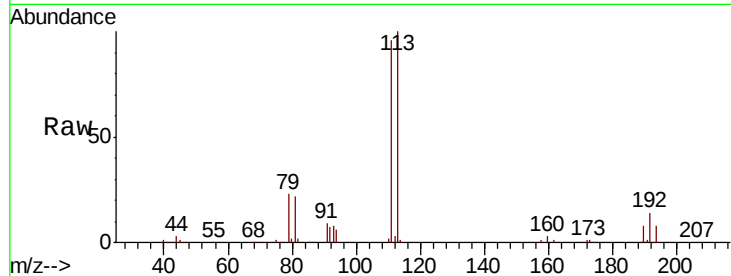
ClientSampleId :

TP-5-ARE

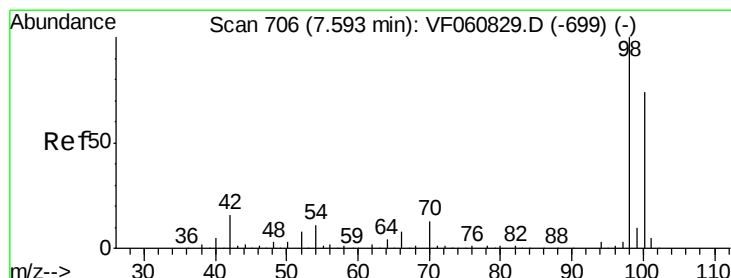
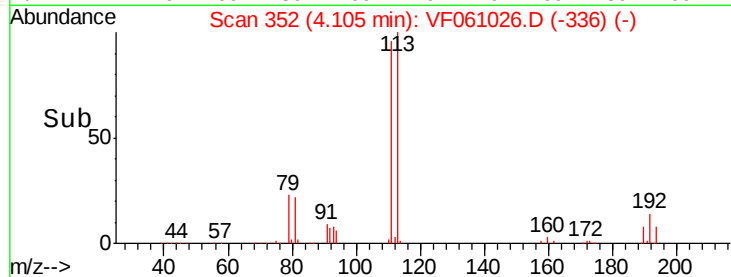
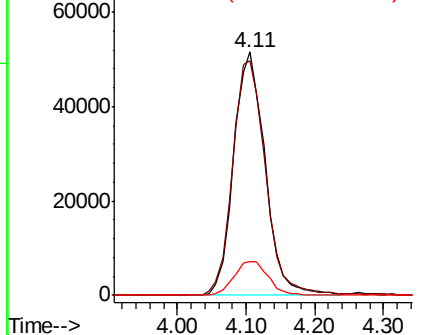
Tgt Ion:	113	Resp:	163886
Ion Ratio	Lower	Upper	
113	100		
111	96.5	83.0	124.6
192	13.6	12.3	18.5

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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: 45.617 ug/l

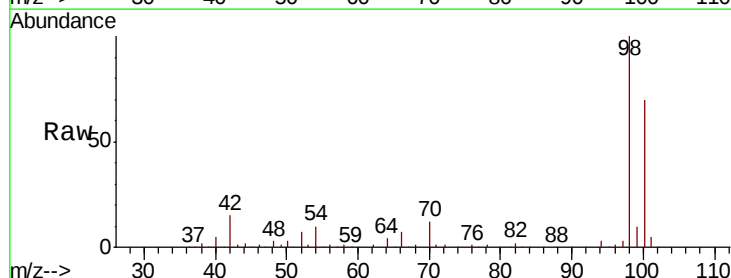
RT: 7.55 min Scan# 701

Delta R.T. -0.04 min

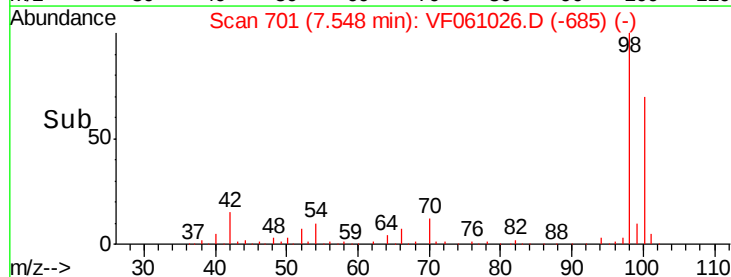
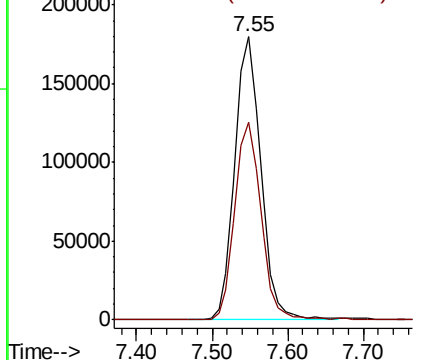
Lab File: VF061026.D

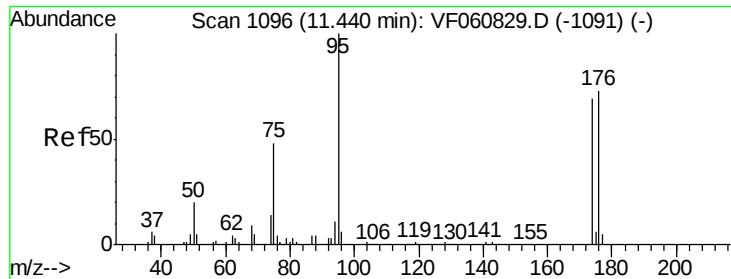
Acq: 14 Dec 2018 18:08

Tgt Ion:	98	Resp:	429799
Ion Ratio	Lower	Upper	
98	100		
100	70.0	59.3	88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF





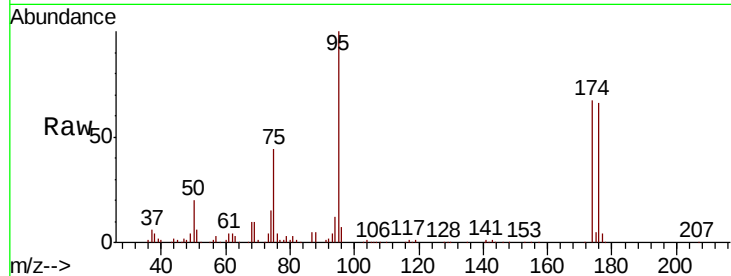
#62
4-Bromofluorobenzene
Concen: 38.311 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.03 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
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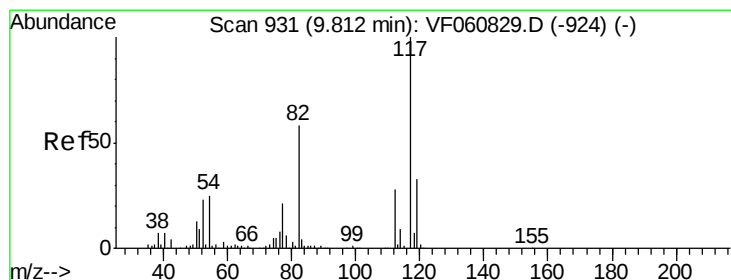
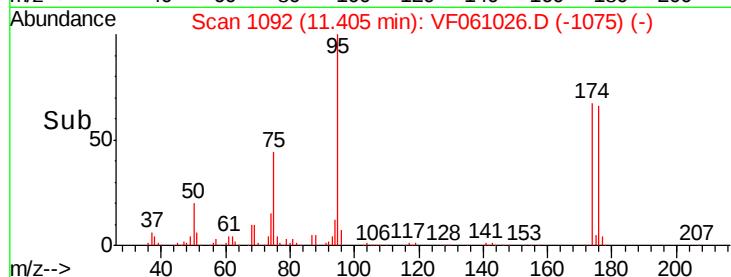
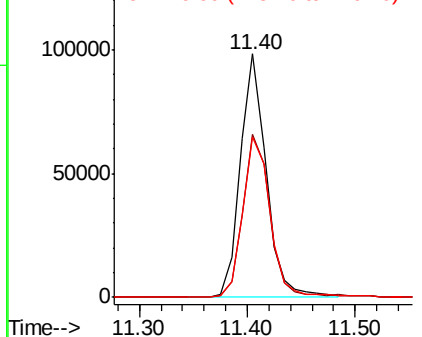
Tgt Ion	Ratio	Resp	Lower	Upper
95	100	164053		
174	66.8	0.0	138.2	
176	66.1	0.0	146.2	

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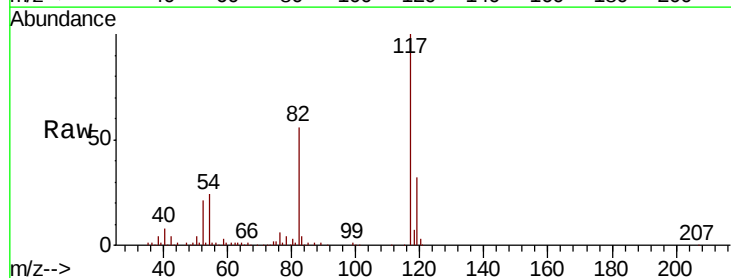


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

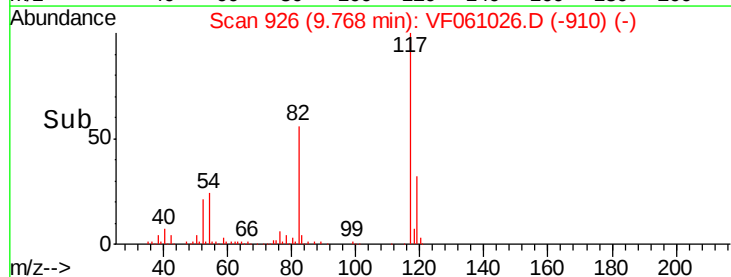
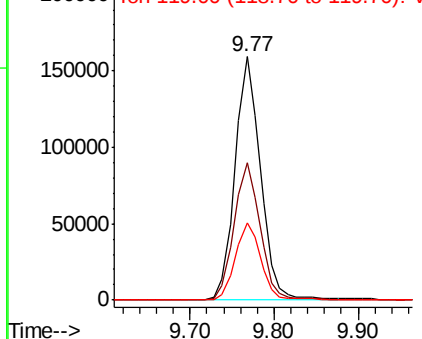


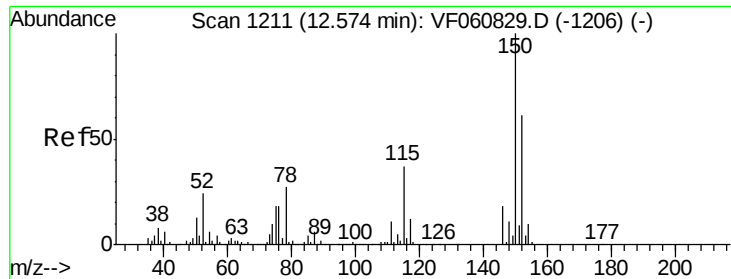
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.04 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	337435		
82	56.5	46.6	69.8	
119	31.7	26.4	39.6	



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061026.D

Acq: 14 Dec 2018 18:08

Instrument :

MSVOA_F

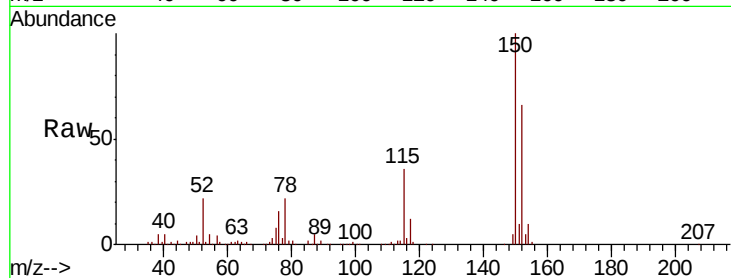
ClientSampleId :

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Tgt	Ion	152	Resp:	133927
Ion	Ratio	Lower	Upper	
152	100			
115	54.8	30.1	90.5	
150	151.2	0.0	327.6	

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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

