

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060810.D
 Acq On : 20 Nov 2018 18:41
 Operator : VA/AP
 Sample : J6010-01
 Misc : 6.28g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FS-RT3786

Manual Integrations
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Quant Time: Nov 21 03:07:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	192618	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	342409	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	269607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	107850	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	118049	53.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.46%	
35) Dibromofluoromethane	4.12	113	134155	52.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.24%	
50) Toluene-d8	7.57	98	299196	44.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.86%	
62) 4-Bromofluorobenzene	11.41	95	127885	41.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.56%	
Target Compounds						
20) Methylene Chloride	2.19	84	8996m	3.08	ug/l	Qvalue
52) Toluene	7.64	92	13004	2.19	ug/l	89
68) m/p-Xylenes	10.14	106	3753	1.02	ug/l	94
73) Isopropylbenzene	11.13	105	110106	12.68	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	10380	1.46	ug/l	94
95) Naphthalene	14.46	128	6879	1.55	ug/l #	80

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

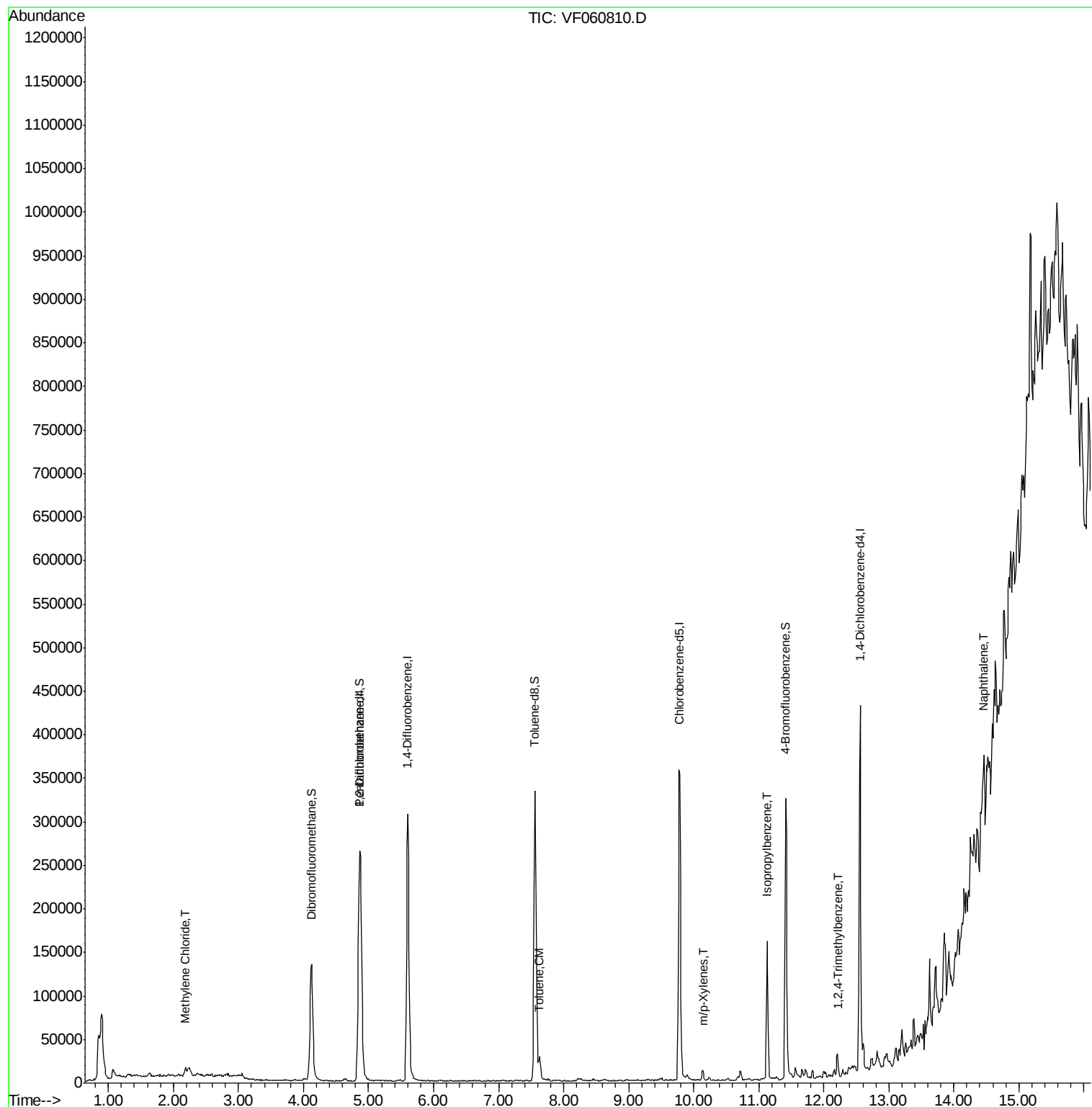
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
Data File : VF060810.D
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Quant Time: Nov 21 03:07:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF060810.D

Acq: 20 Nov 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

FS-RT3786

Tgt Ion: 168 Resp: 192618

Ion Ratio Lower Upper

168 100

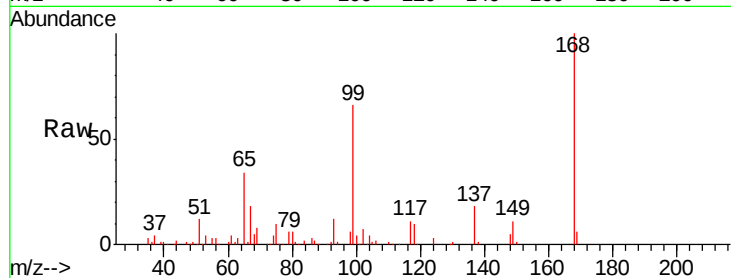
99 66.3 57.2 85.8

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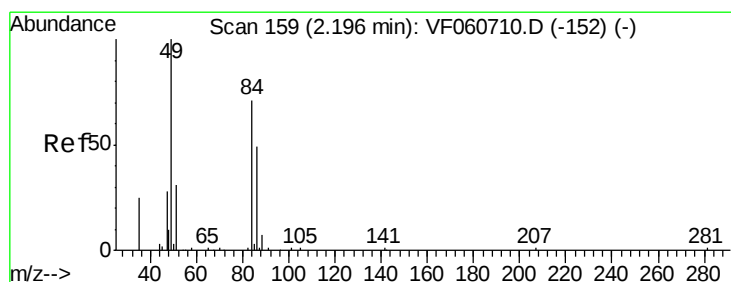
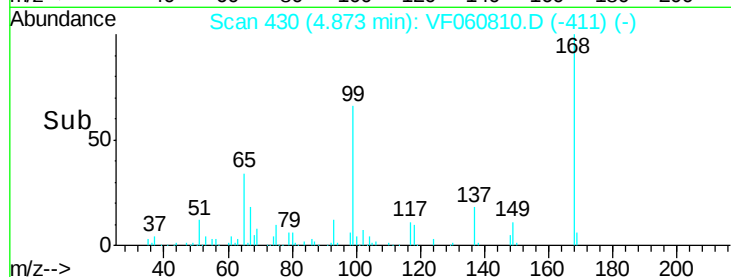
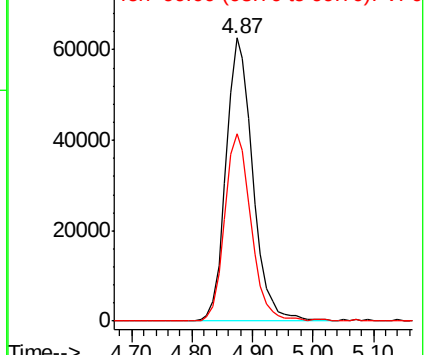
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#20

Methylene Chloride

Concen: 3.08 ug/l m

RT: 2.19 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060810.D

Acq: 20 Nov 2018 18:41

Tgt Ion: 84 Resp: 8996

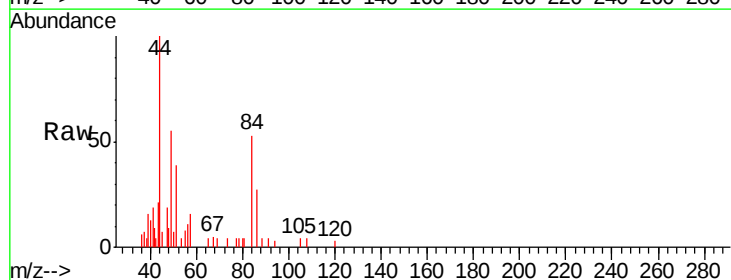
Ion Ratio Lower Upper

84 100

49 103.8 120.2 180.4#

51 74.5 37.2 55.8#

86 51.6 55.1 82.7#

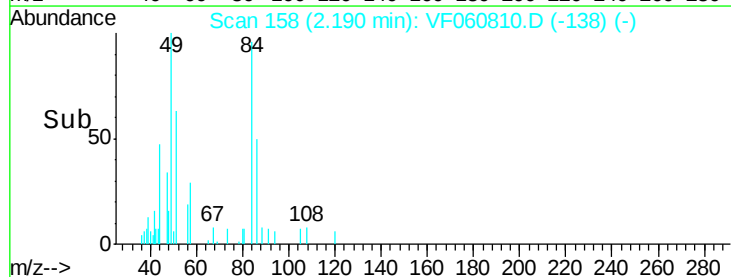
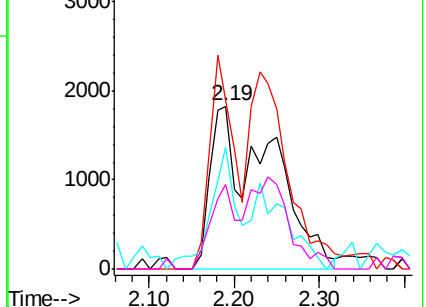


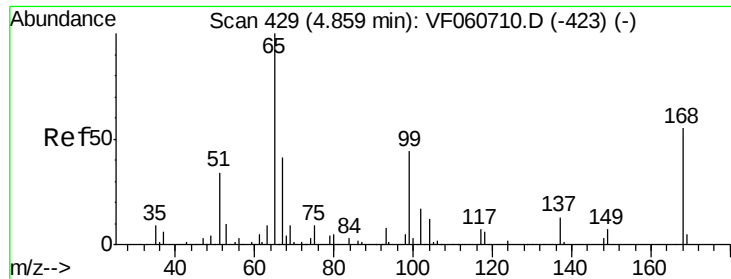
Abundance Ion 84.00 (83.70 to 84.70): VF0

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





#33

1,2-Dichloroethane-d4

Concen: 53.73 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060810.D

Acq: 20 Nov 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

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Tgt Ion: 65 Resp: 118049

Ion Ratio Lower Upper

65 100

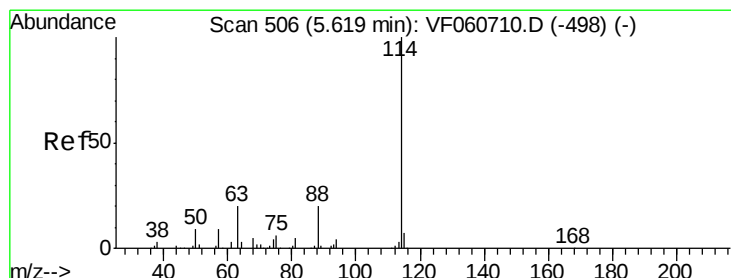
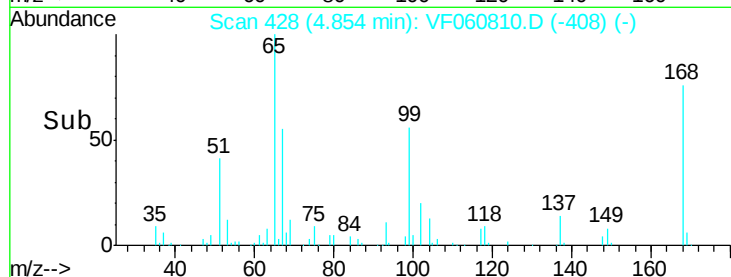
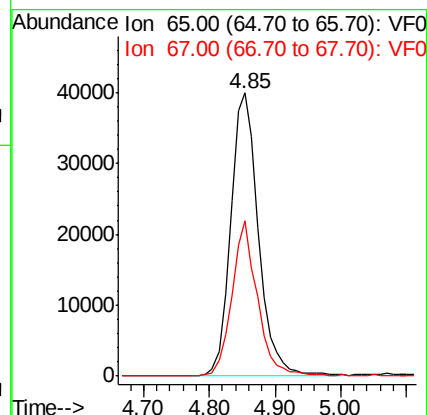
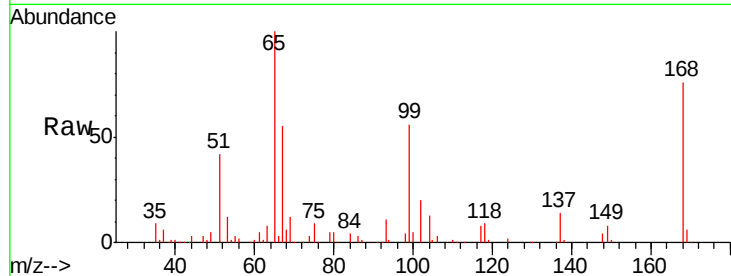
67 54.9 0.0 90.2

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.02 min

Lab File: VF060810.D

Acq: 20 Nov 2018 18:41

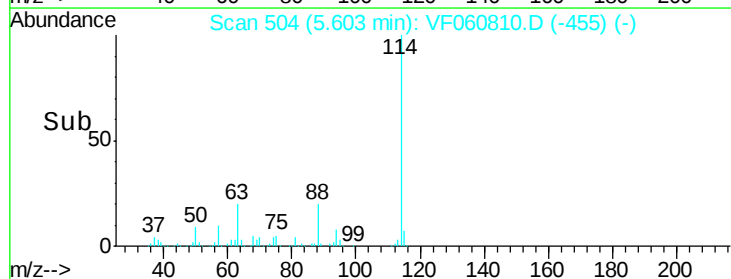
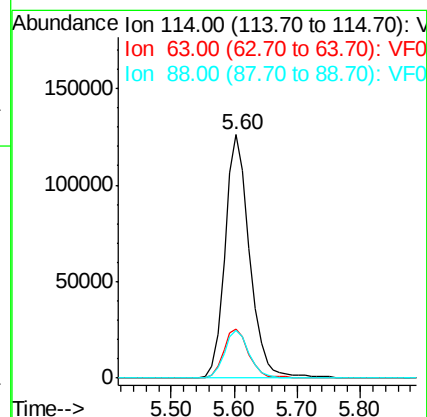
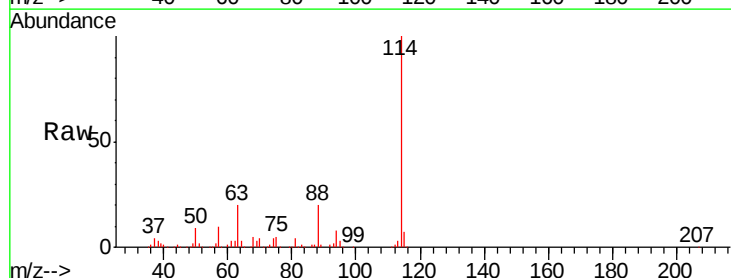
Tgt Ion: 114 Resp: 342409

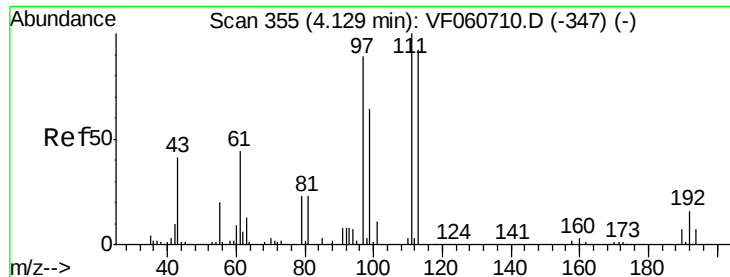
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 19.6 0.0 39.6





#35

Dibromofluoromethane

Concen: 52.12 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060810.D

Acq: 20 Nov 2018 18:41

Instrument :

MSVOA_F

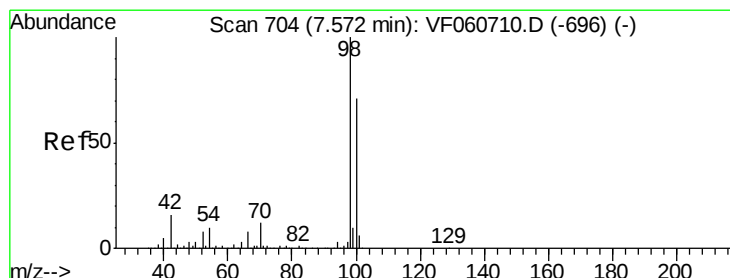
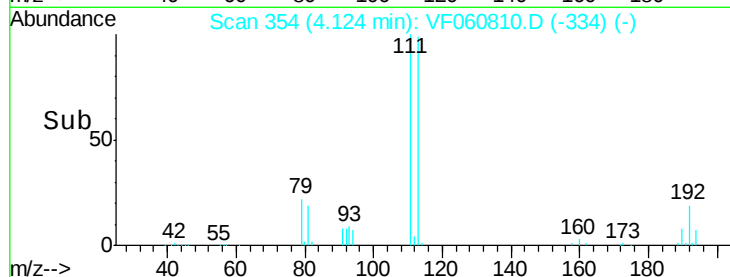
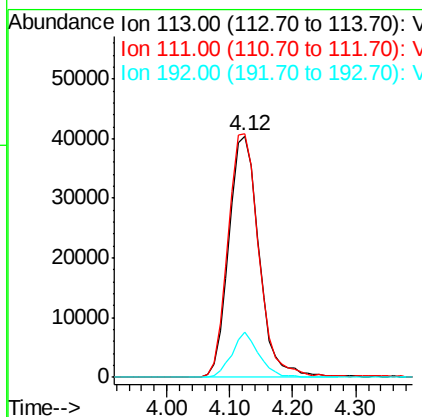
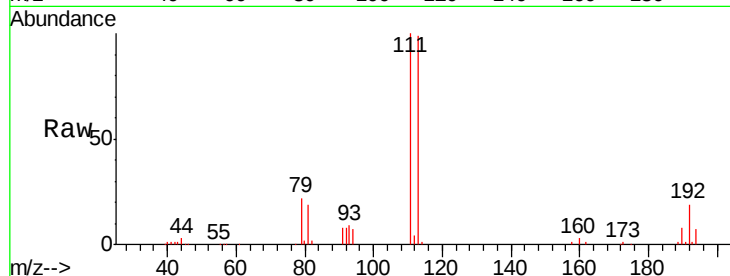
ClientSampleId :

FS-RT3786

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	134155		
111	100.8	87.1	130.7	
192	18.9	13.8	20.6	

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#50

Toluene-d8

Concen: 44.93 ug/l

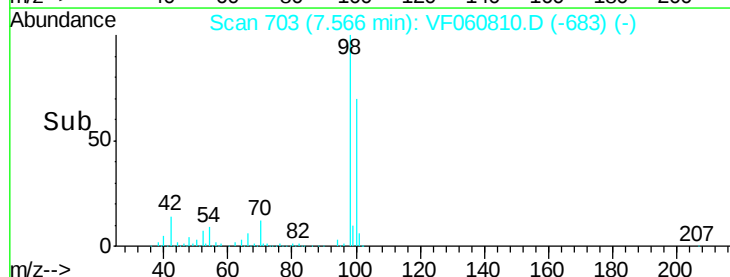
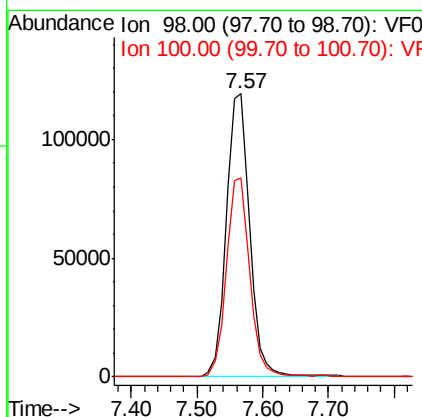
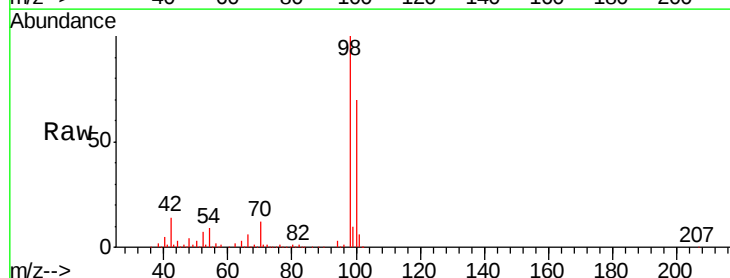
RT: 7.57 min Scan# 703

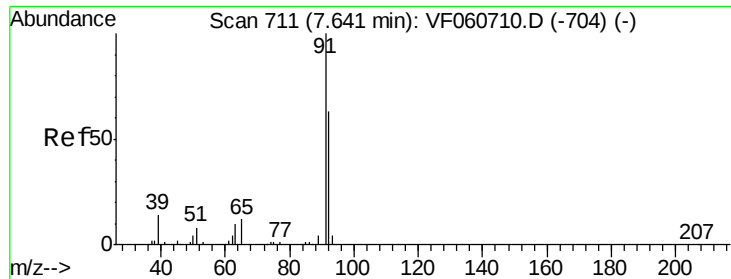
Delta R.T. -0.00 min

Lab File: VF060810.D

Acq: 20 Nov 2018 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	299196		
100	70.2	56.5	84.7	





#52

Toluene

Concen: 2.19 ug/l

RT: 7.64 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060810.D

Acq: 20 Nov 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

FS-RT3786

Tgt Ion: 92 Resp: 13004

Ion Ratio Lower Upper

92 100

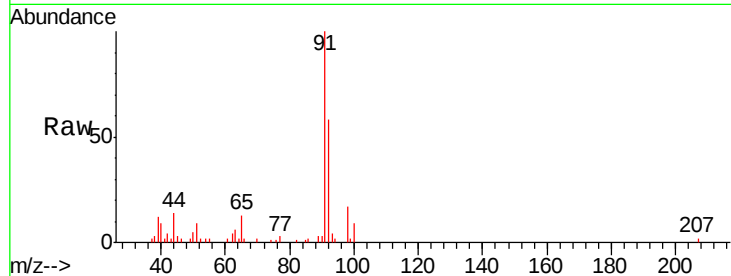
91 172.4 126.7 190.1

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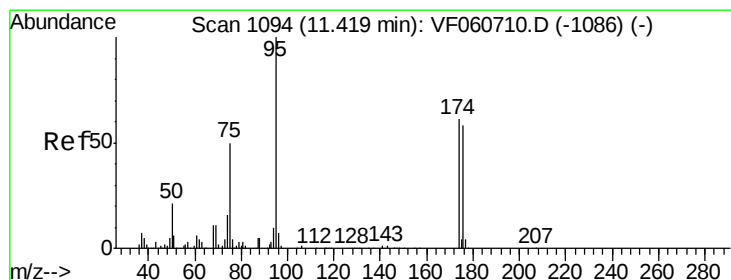
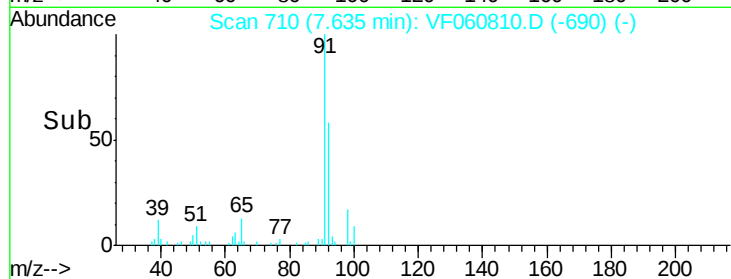
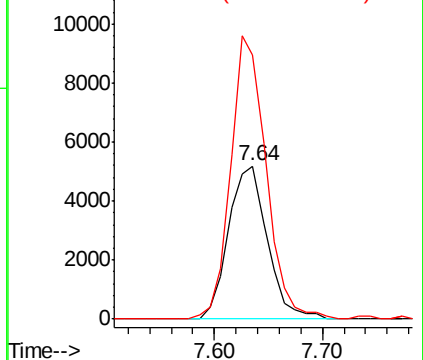
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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 41.28 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF060810.D

Acq: 20 Nov 2018 18:41

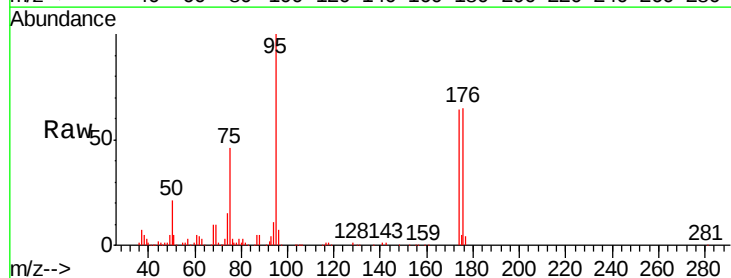
Tgt Ion: 95 Resp: 127885

Ion Ratio Lower Upper

95 100

174 64.4 0.0 121.6

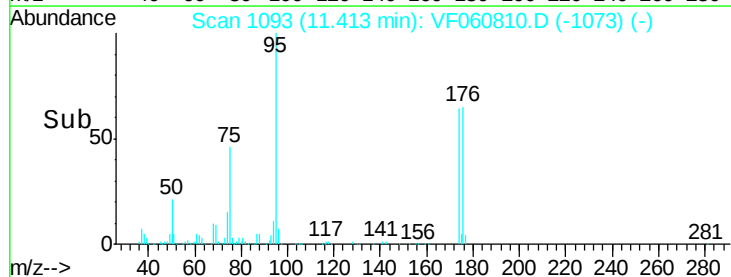
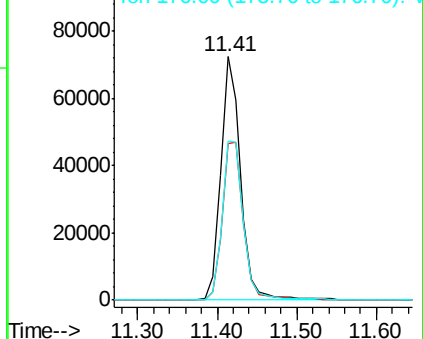
176 65.4 0.0 115.2

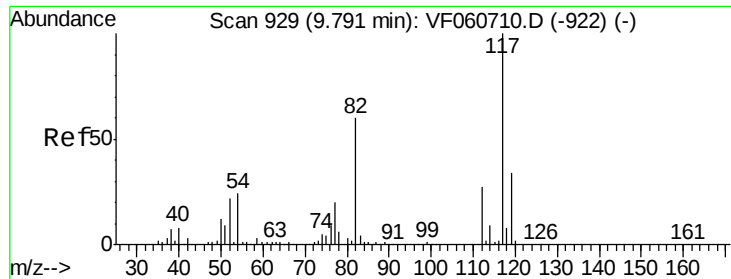


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





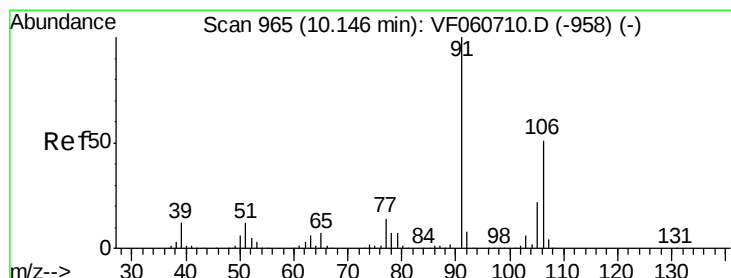
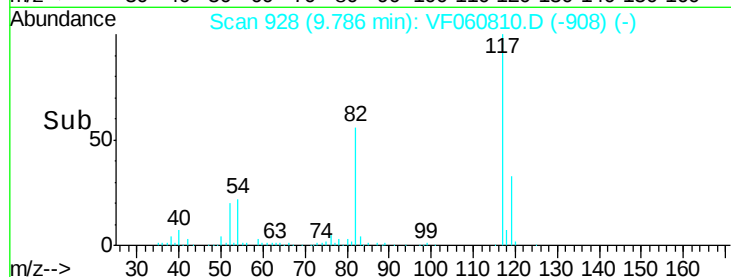
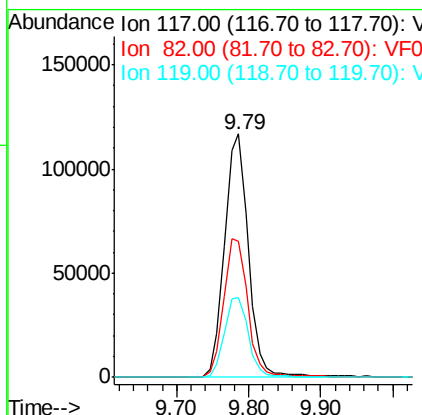
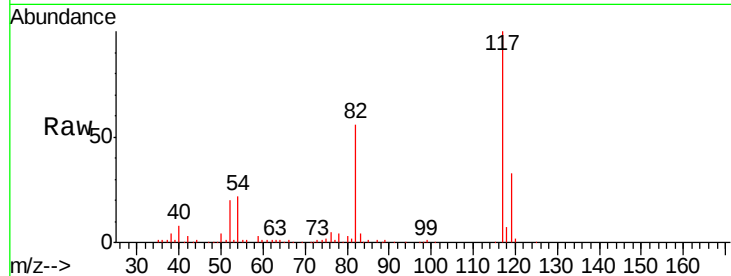
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060810.D
Acq: 20 Nov 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
FS-RT3786

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	269607		
82	56.0	47.9	71.9	
119	32.6	26.8	40.2	

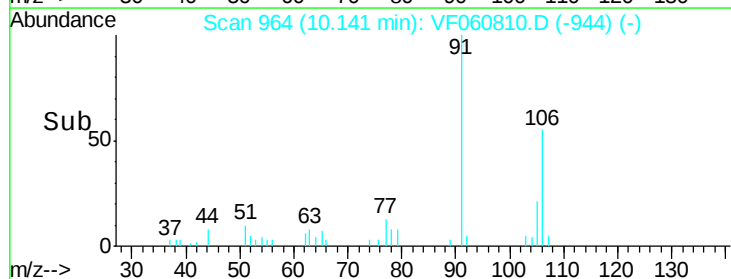
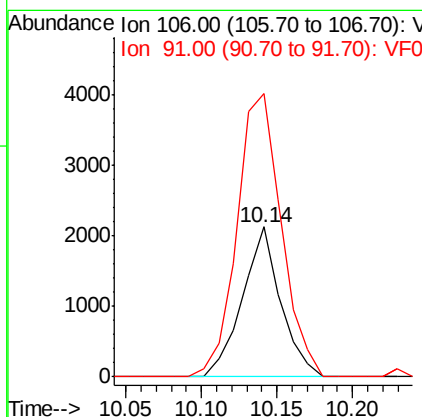
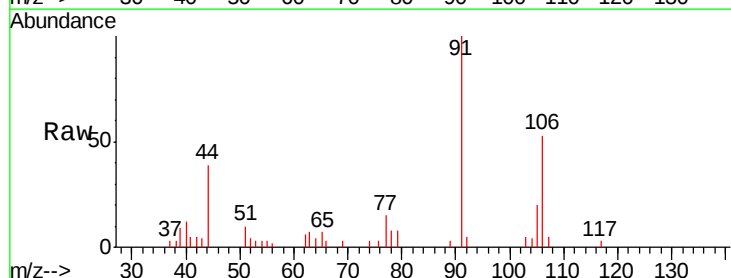
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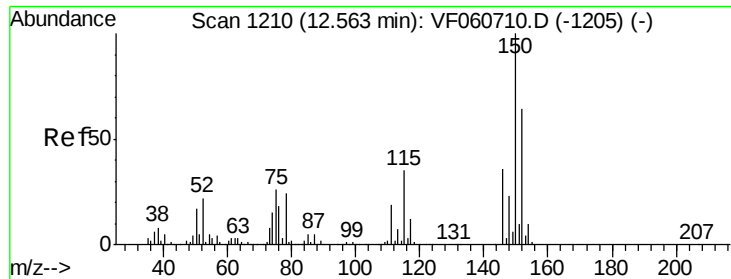
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#68
m/p-Xylenes
Concen: 1.02 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060810.D
Acq: 20 Nov 2018 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	3753		
91	189.1	158.2	237.2	





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060810.D

Acq: 20 Nov 2018 18:41

Instrument :

MSVOA_F

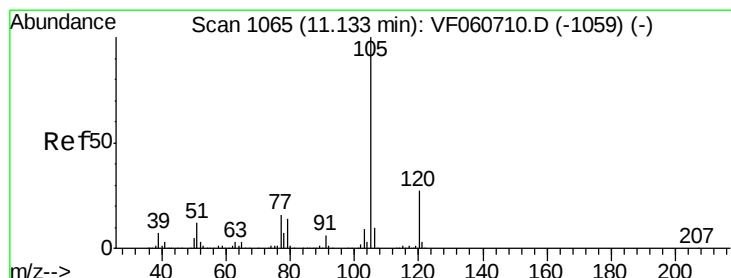
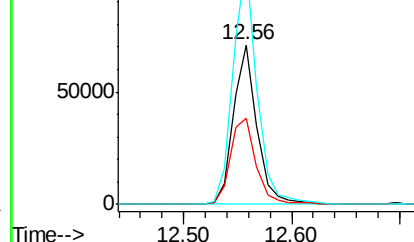
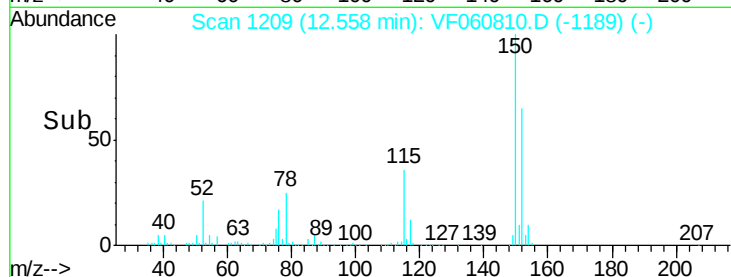
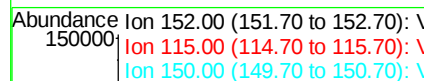
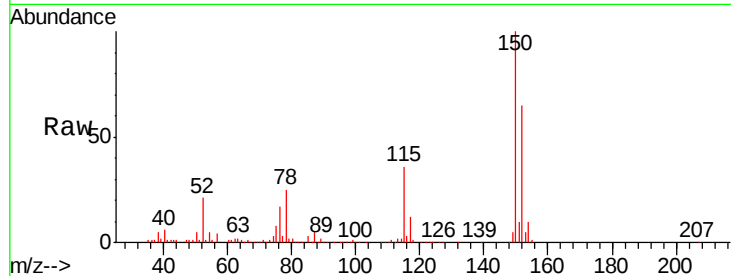
ClientSampleId :

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Tgt Ion:	152	Resp:	107850
Ion Ratio	Lower	Upper	
152	100		
115	54.4	27.9	83.7
150	152.9	0.0	316.4

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#73

Isopropylbenzene

Concen: 12.68 ug/l

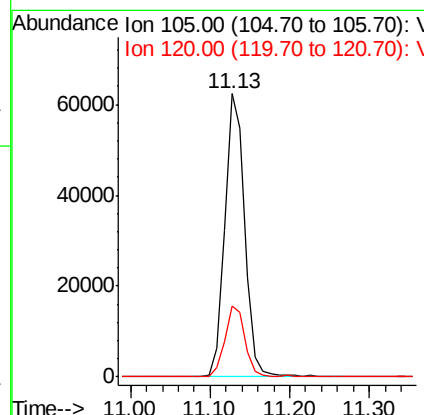
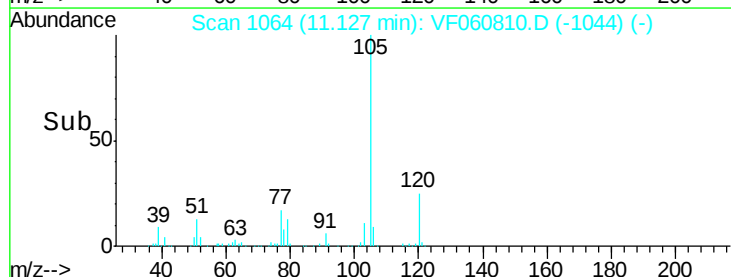
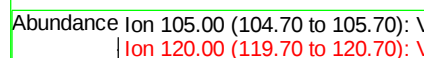
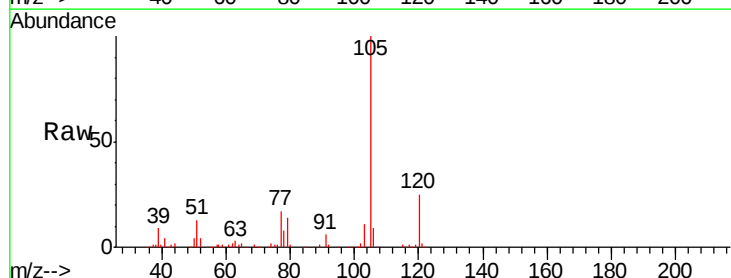
RT: 11.13 min Scan# 1064

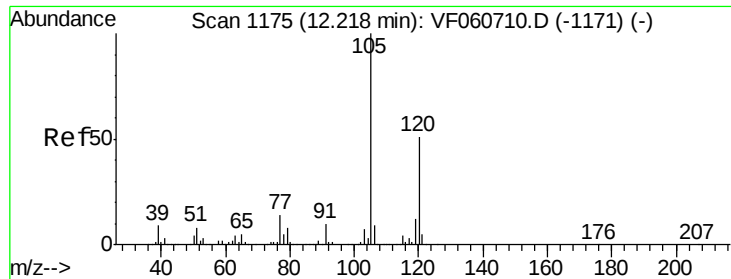
Delta R.T. -0.01 min

Lab File: VF060810.D

Acq: 20 Nov 2018 18:41

Tgt Ion:	105	Resp:	110106
Ion Ratio	Lower	Upper	
105	100		
120	25.1	13.4	40.1





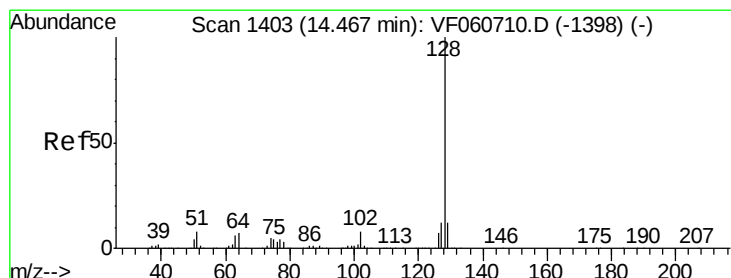
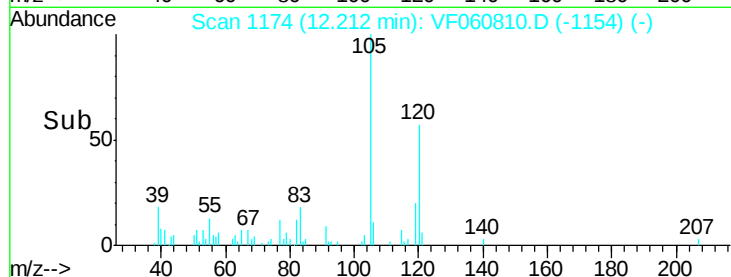
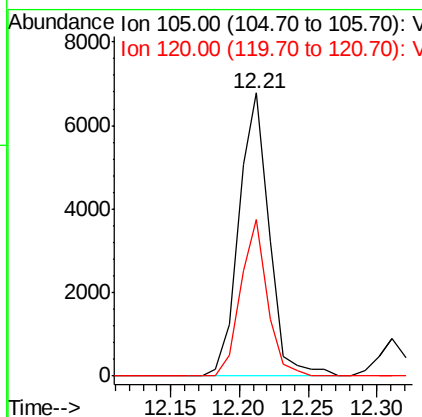
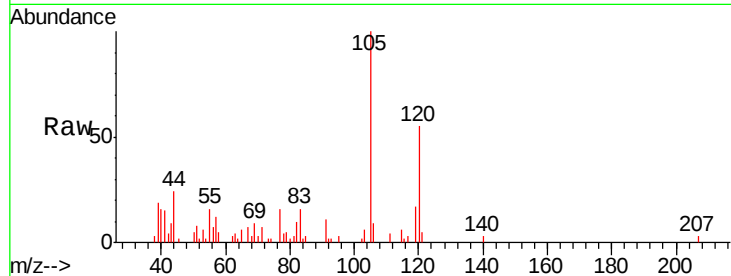
#84
 1,2,4-Trimethylbenzene
 Concen: 1.46 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060810.D
 Acq: 20 Nov 2018 18:41

Instrument :
 MSVOA_F
 ClientSampleId :
 FS-RT3786

Tgt Ion	Ratio	Lower	Upper
105	100		
120	55.2	25.5	76.5

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#95
 Naphthalene
 Concen: 1.55 ug/l
 RT: 14.46 min Scan# 1402
 Delta R.T. -0.01 min
 Lab File: VF060810.D
 Acq: 20 Nov 2018 18:41

Tgt Ion	Ratio	Lower	Upper
128	100		
127	20.7	9.8	14.6#
129	18.6	9.3	13.9#

