

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
 Data File : VF061001.D
 Acq On : 12 Dec 2018 17:47
 Operator : VA/AP
 Sample : J6189-03RE
 Misc : 6.41g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-121118-BRE

Manual Integrations
 APPROVED

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Quant Time: Dec 13 03:24:35 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	175411	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	318522	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	225249	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	79678	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	108339	52.43	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	104.86%	
35) Dibromofluoromethane	4.11	113	115146	45.57	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	91.14%	
50) Toluene-d8	7.55	98	224970	30.22	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	60.44%	
62) 4-Bromofluorobenzene	11.41	95	92519	27.35	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	54.70%	
Target Compounds						
						Qvalue
16) Acetone	2.24	43	10983m	28.823	ug/l	
20) Methylene Chloride	2.27	84	20041m	14.336	ug/l	
52) Toluene	7.62	92	6343	1.157	ug/l	88
67) Ethyl Benzene	9.89	91	20275	2.485	ug/l	96
68) m/p-Xylenes	10.13	106	44734	15.246	ug/l	92
69) o-Xylene	10.71	106	48647	15.036	ug/l	95
73) Isopropylbenzene	11.12	105	16808	2.669	ug/l	95
78) n-propylbenzene	11.59	91	66019	8.953	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	175507	34.335	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	504635	98.918	ug/l	97
85) sec-Butylbenzene	12.30	105	42643	5.983	ug/l	92
86) p-Isopropyltoluene	12.46	119	29753m	4.979	ug/l	
95) Naphthalene	14.45	128	93503	26.051	ug/l #	91

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

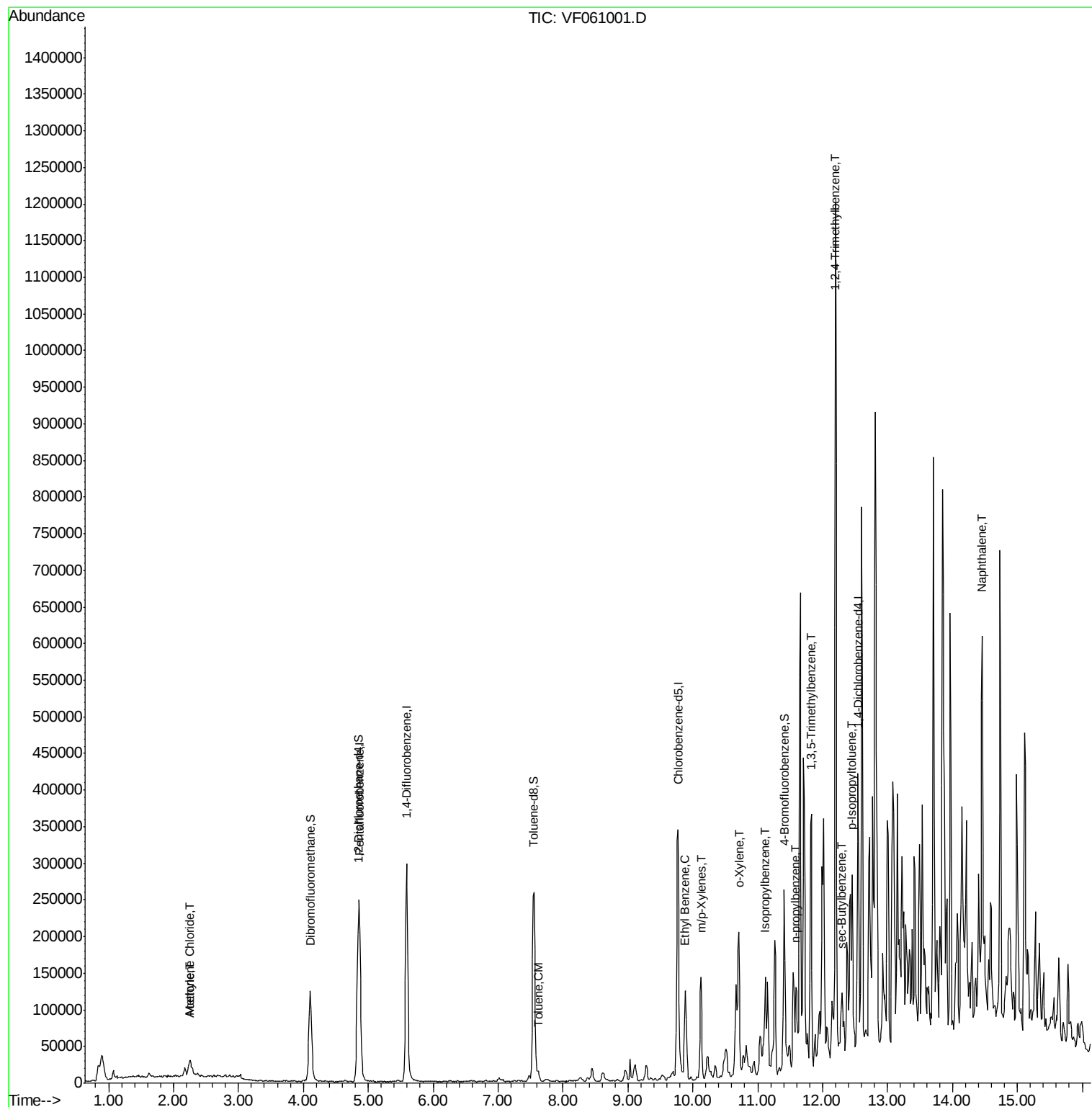
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061001.D
Acq On : 12 Dec 2018 17:47
Operator : VA/AP
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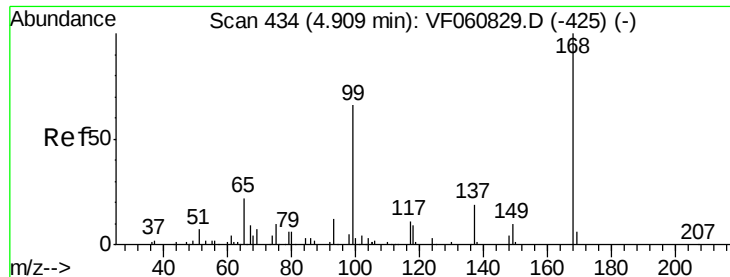
Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-BRE

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Quant Time: Dec 13 03:24:35 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. -0.05 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

HR-05-121118-BRE

Tot Ion:168 Resp: 175411

Ion Ratio Lower Upper

168 100

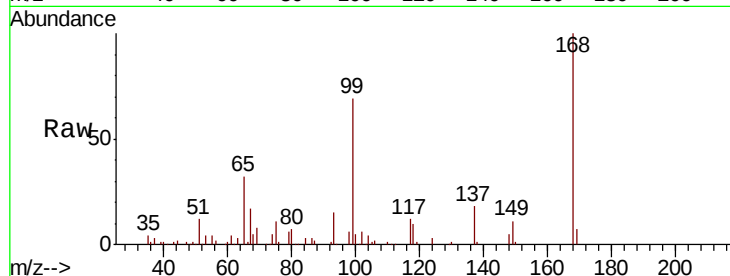
99 68.6 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

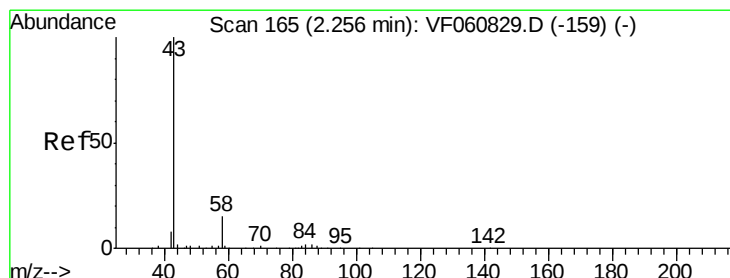
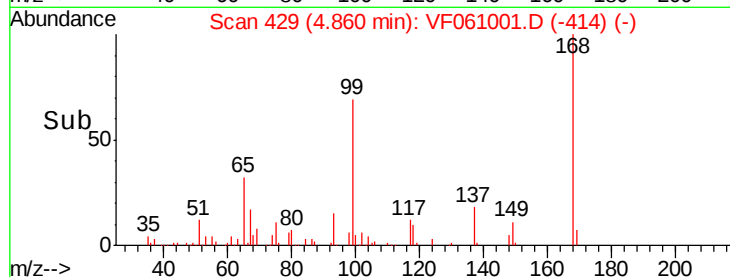
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 28.823 ug/l m

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF061001.D

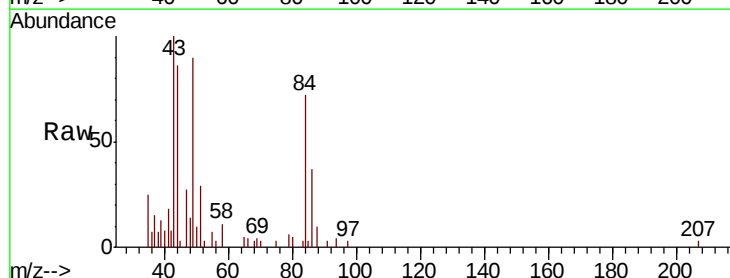
Acq: 12 Dec 2018 17:47

Tgt Ion: 43 Resp: 10983

Ion Ratio Lower Upper

43 100

58 10.7 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

4000

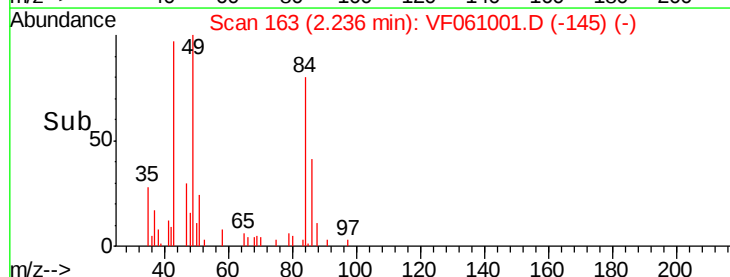
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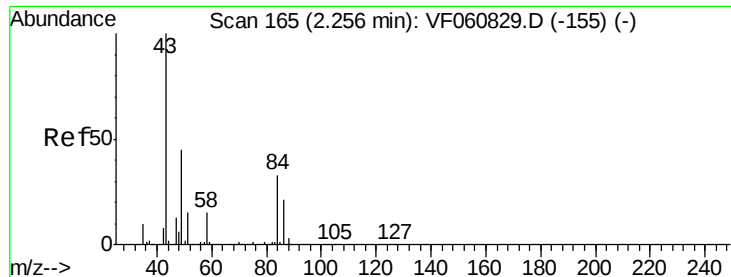
2000

1000

0

Time-->





#20

Methylene Chloride

Concen: 14.336 ug/l m

RT: 2.27 min Scan# 166

Delta R.T. 0.01 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Instrument :

MSVOA_F

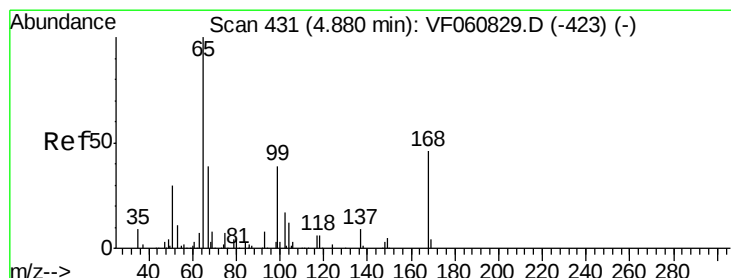
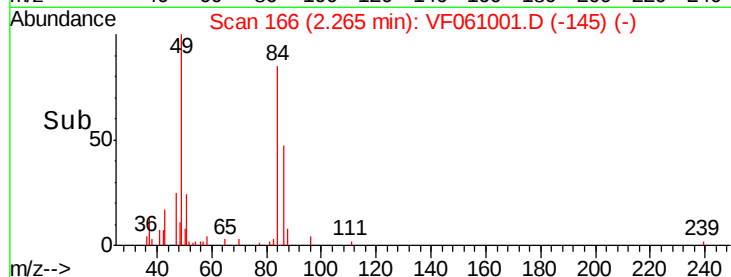
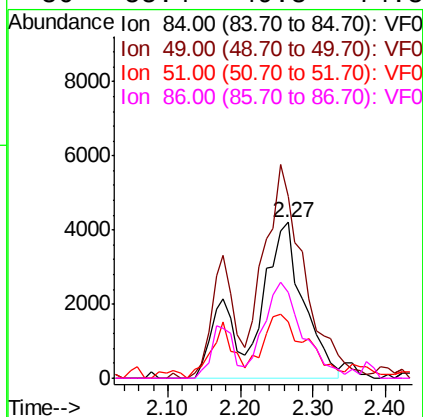
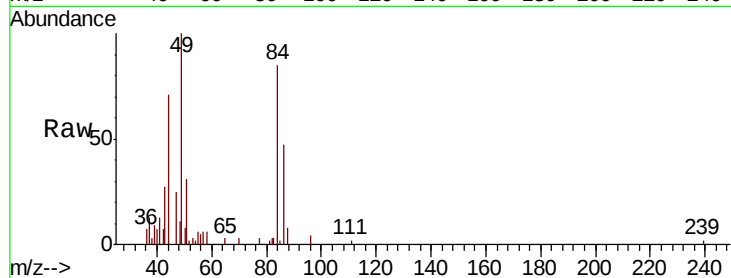
ClientSampleId :

HR-05-121118-BRE

Tot Ion:	84	Resp:	20041
Ion	Ratio	Lower	Upper
84	100		
49	117.0	111.3	166.9
51	35.9	38.0	57.0#
86	55.4	49.8	74.8

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#33

1,2-Dichloroethane-d4

Concen: 52.429 ug/l

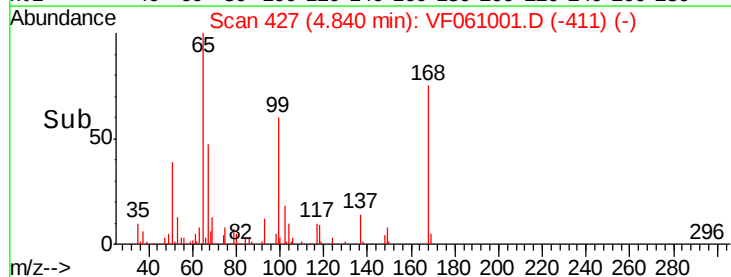
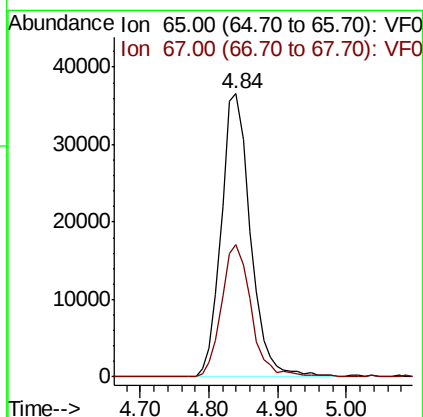
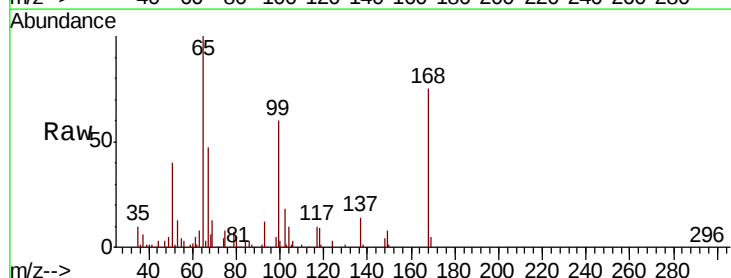
RT: 4.84 min Scan# 427

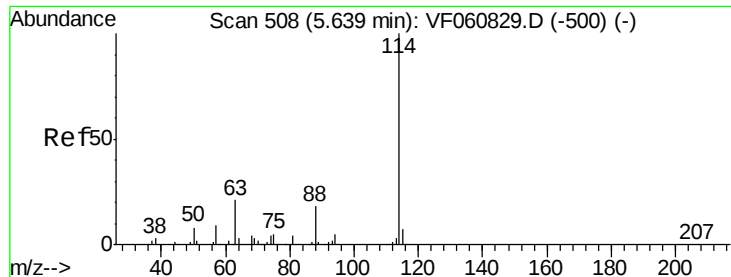
Delta R.T. -0.04 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Tgt Ion:	65	Resp:	108339
Ion	Ratio	Lower	Upper
65	100		
67	47.0	0.0	96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Instrument :

MSVOA_F

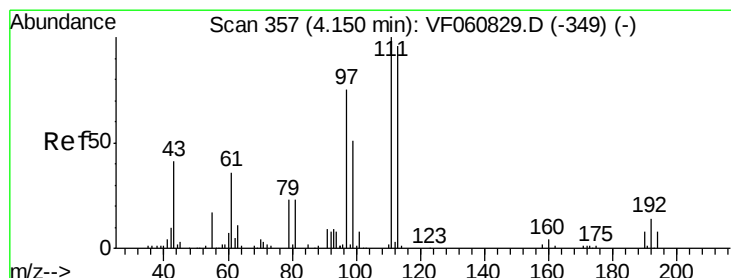
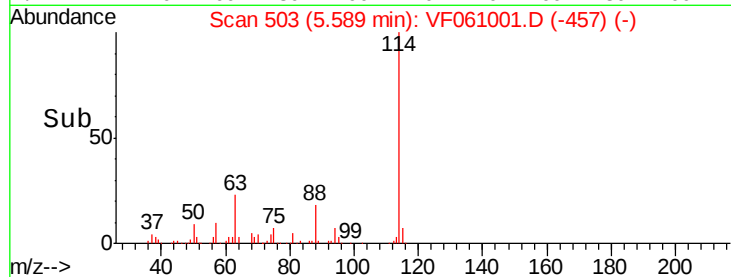
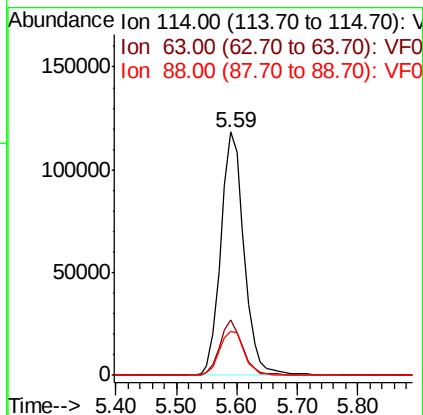
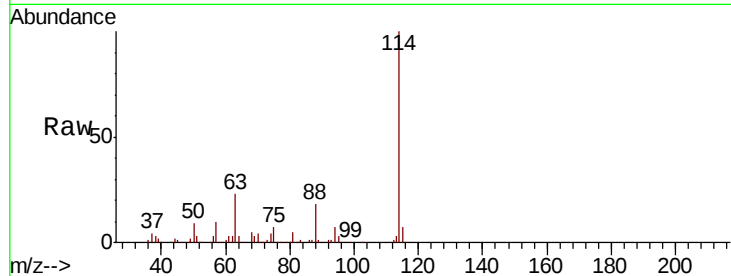
ClientSampleId :

HR-05-121118-BRE

Tot Ion:	114	Resp:	318522
Ion Ratio		Lower	Upper
114	100		
63	22.6	0.0	41.6
88	17.8	0.0	36.6

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#35

Dibromofluoromethane

Concen: 45.568 ug/l

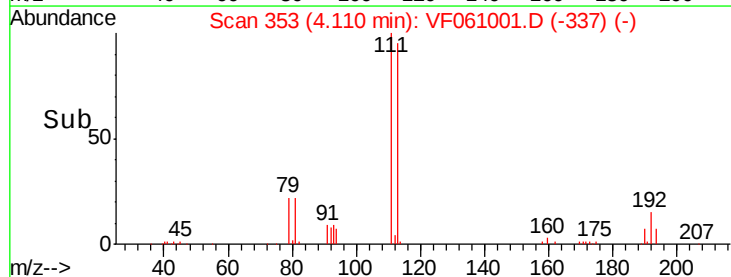
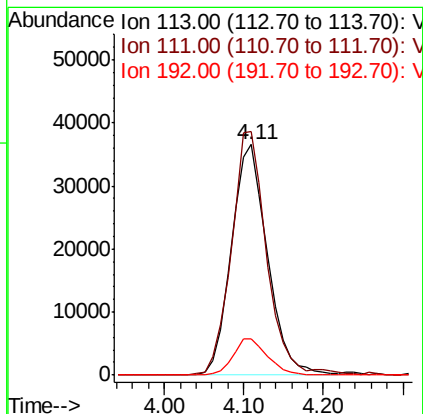
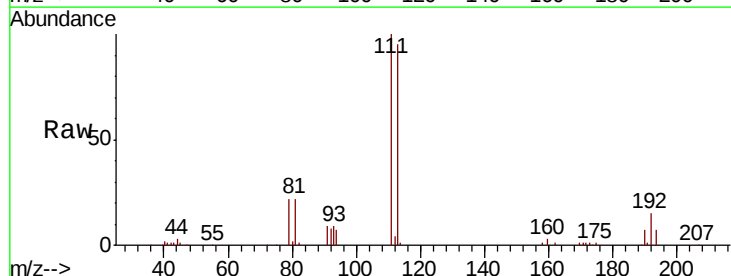
RT: 4.11 min Scan# 353

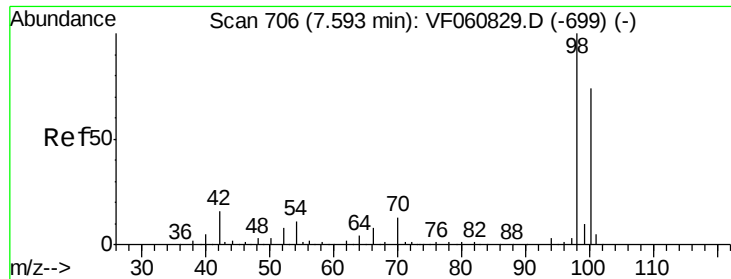
Delta R.T. -0.04 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Tgt Ion:	113	Resp:	115146
Ion Ratio		Lower	Upper
113	100		
111	105.7	83.0	124.6
192	15.5	12.3	18.5





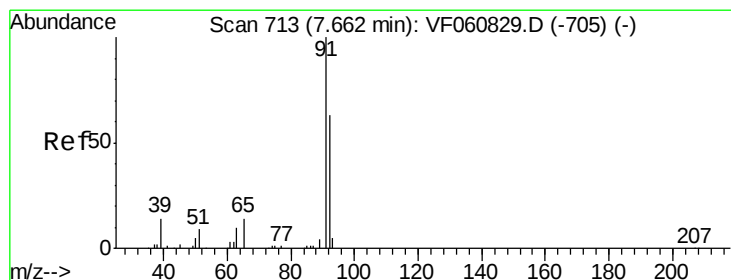
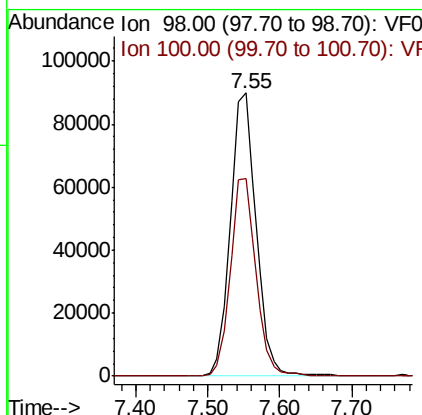
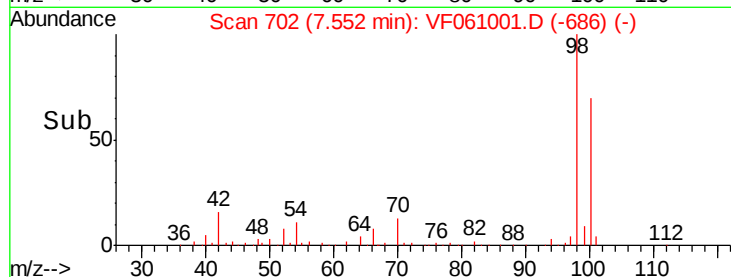
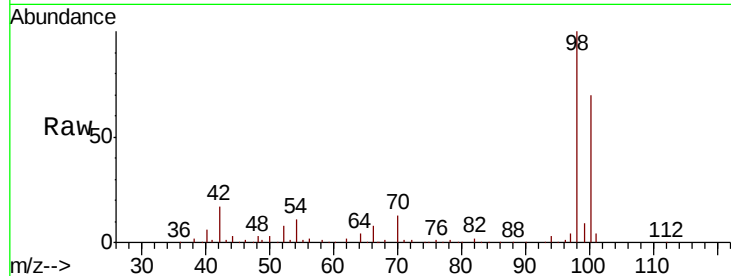
#50
Toluene-d8
Concen: 30.224 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-BRE

Tot Ion: 98 Resp: 224970
Ion Ratio Lower Upper
98 100
100 69.7 59.3 88.9

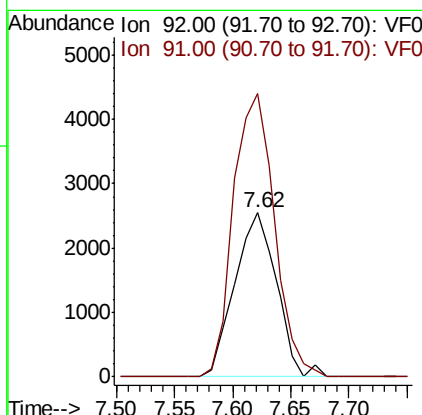
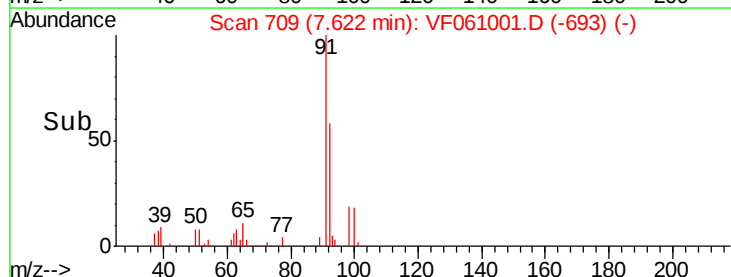
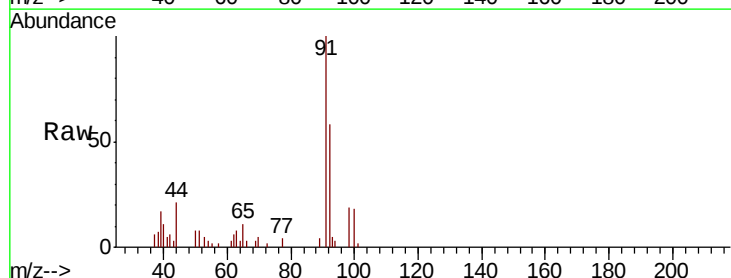
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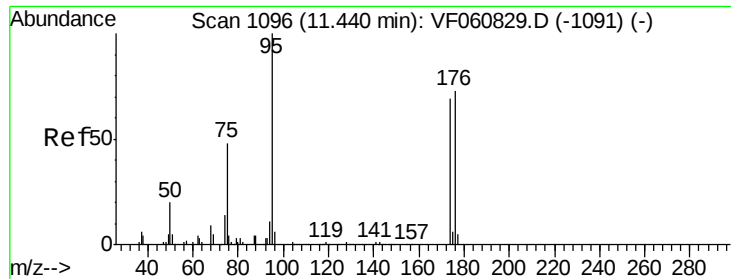
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#52
Toluene
Concen: 1.157 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.04 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

Tgt Ion: 92 Resp: 6343
Ion Ratio Lower Upper
92 100
91 172.8 126.2 189.2





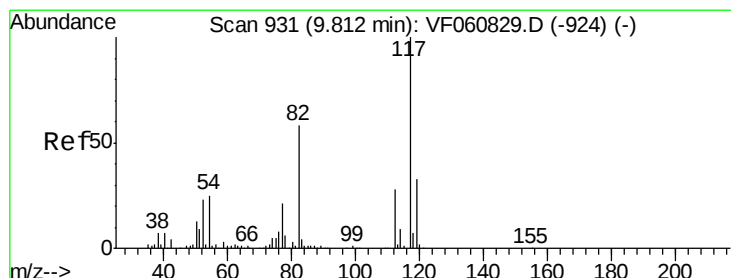
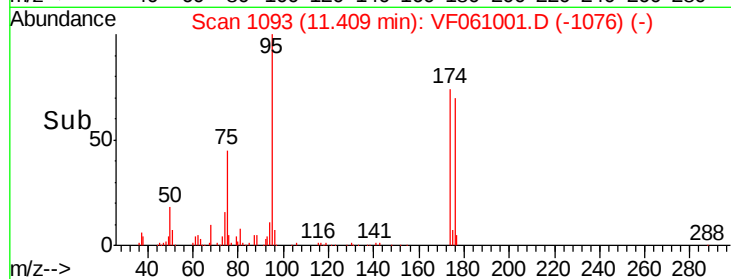
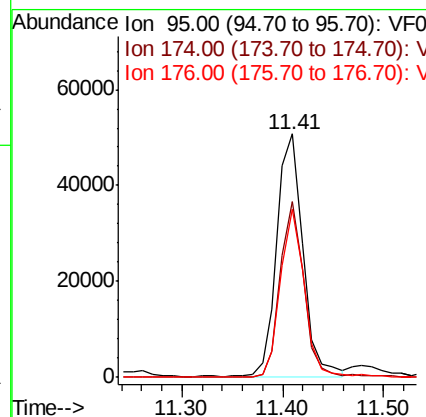
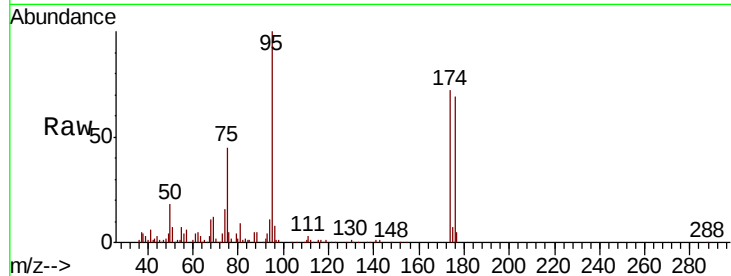
#62
4-Bromofluorobenzene
Concen: 27.348 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-BRE

Tot Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	138.2
176	69.0	0.0	146.2

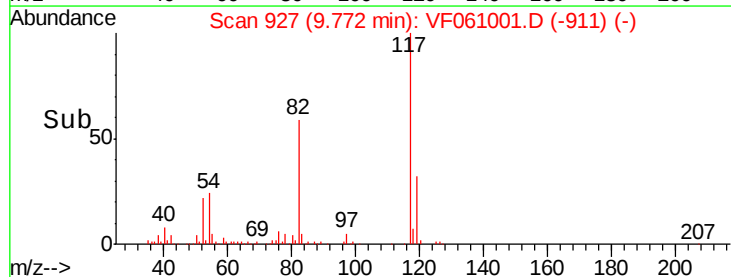
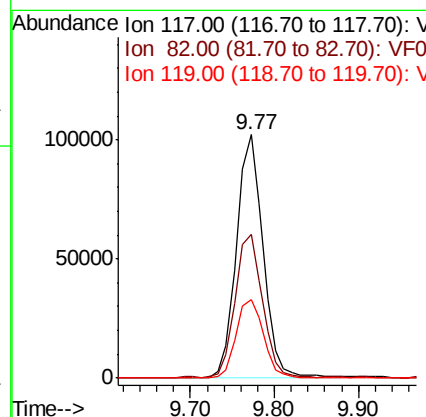
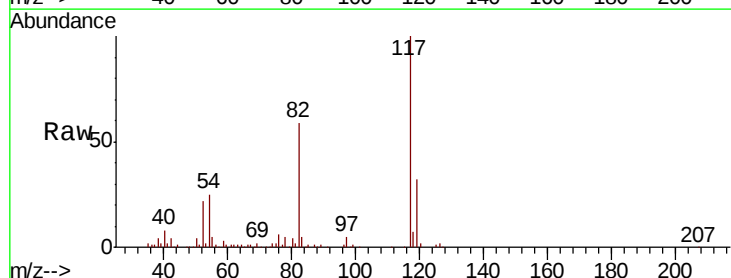
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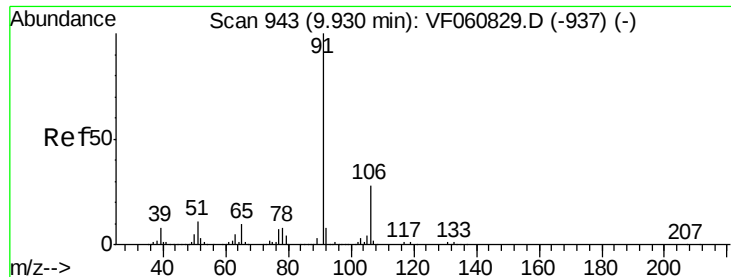
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.6	69.8
119	32.1	26.4	39.6





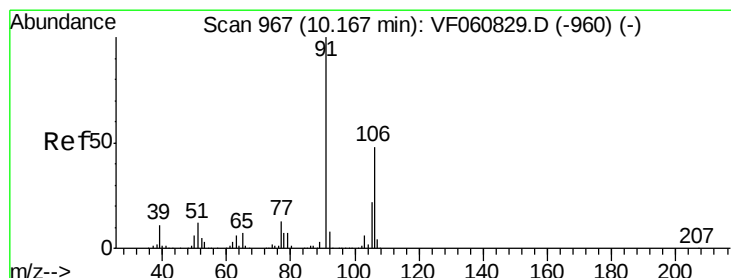
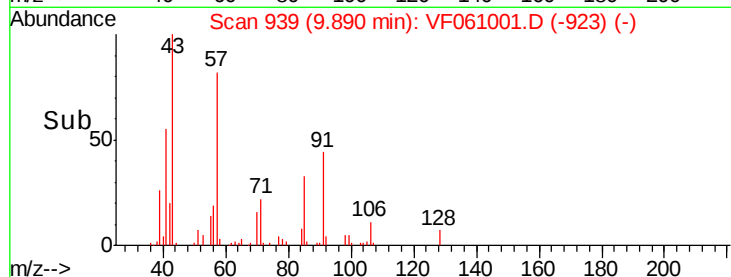
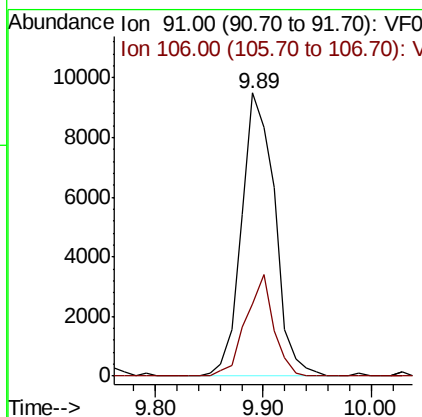
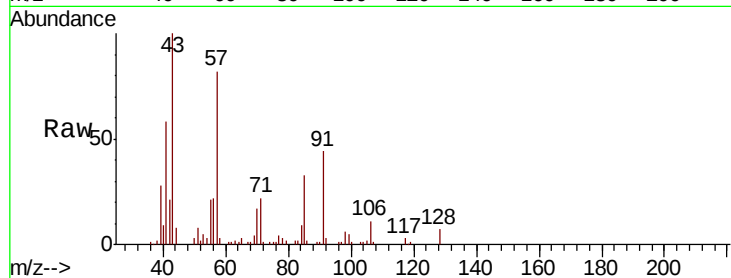
#67
Ethyl Benzene
Concen: 2.485 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.04 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-BRE

Tot Ion: 91 Resp: 20275
Ion Ratio Lower Upper
91 100
106 25.4 22.2 33.2

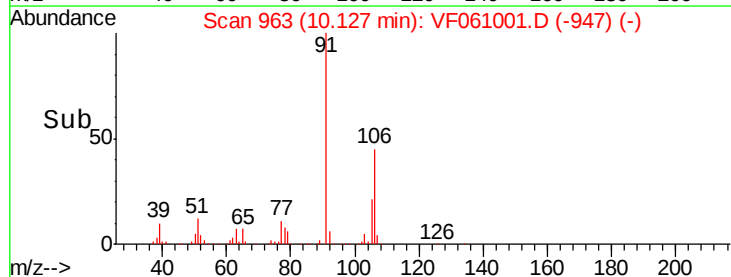
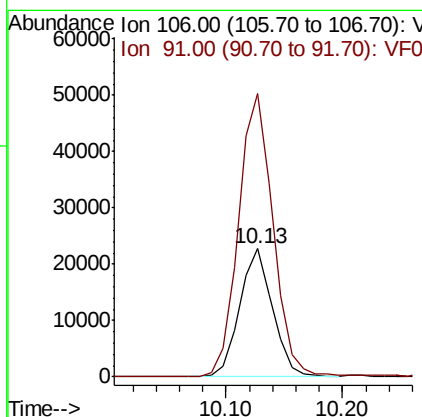
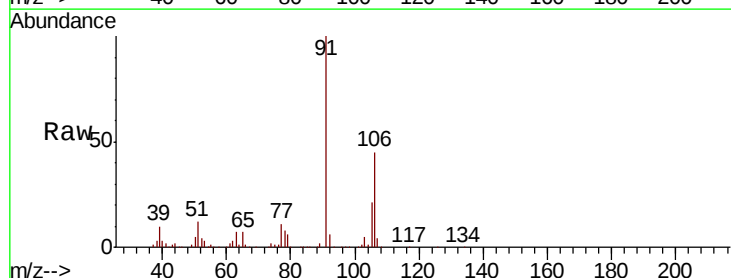
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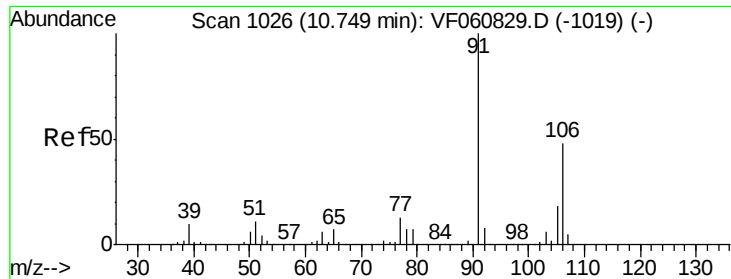
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#68
m/p-Xylenes
Concen: 15.246 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.04 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

Tgt Ion: 106 Resp: 44734
Ion Ratio Lower Upper
106 100
91 221.4 166.7 250.1





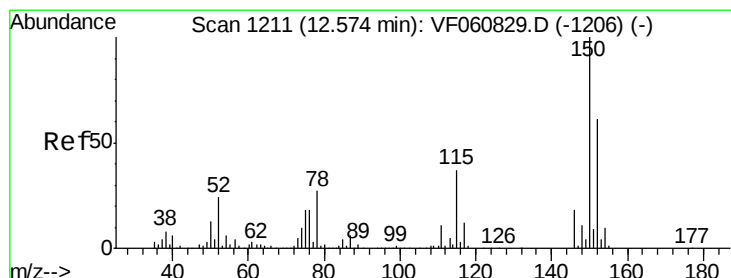
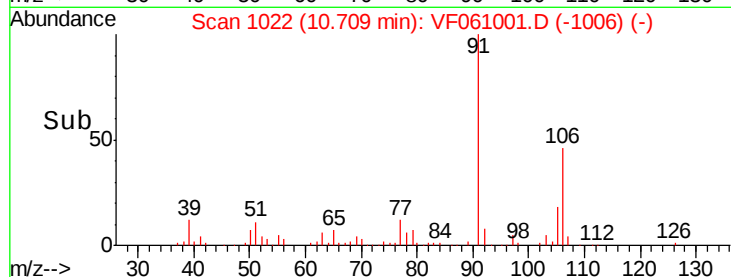
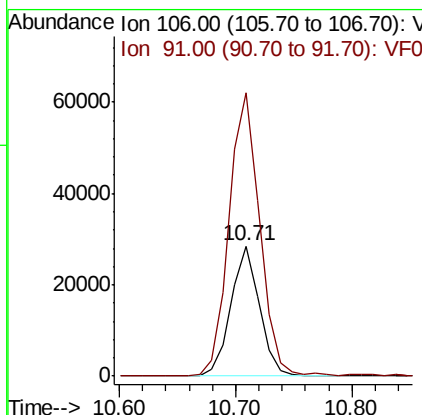
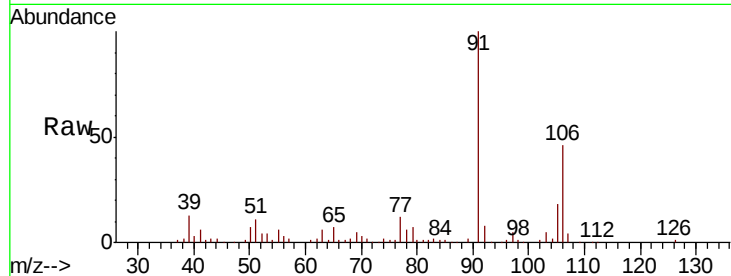
#69
o-Xylene
Concen: 15.036 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

Instrument :
MSVOA_F
ClientSampleId :
HR-05-121118-BRE

Tot Ion:106 Resp: 48647
Ion Ratio Lower Upper
106 100
91 217.8 104.8 314.6

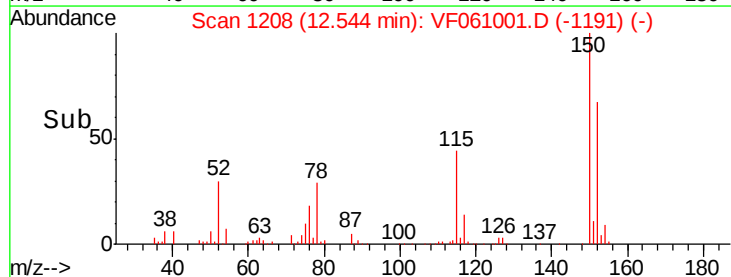
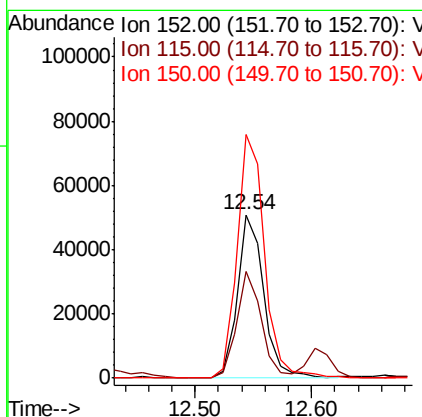
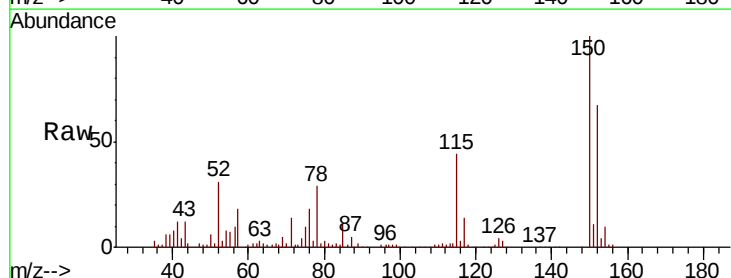
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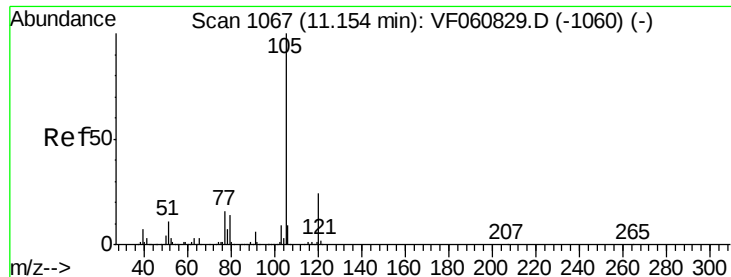
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF061001.D
Acq: 12 Dec 2018 17:47

Tgt Ion:152 Resp: 79678
Ion Ratio Lower Upper
152 100
115 65.3 30.1 90.5
150 149.4 0.0 327.6





#73

Isopropylbenzene

Concen: 2.669 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF061001.D

Acq: 12 Dec 2018 17:47

Instrument :

MSVOA_F

ClientSampleId :

HR-05-121118-BRE

Tot Ion:105 Resp: 16808

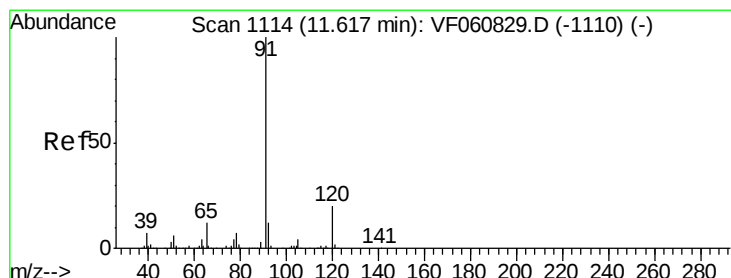
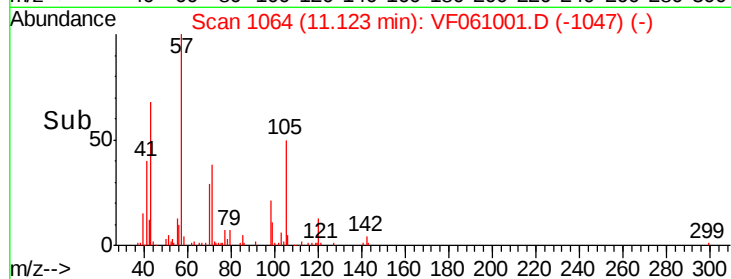
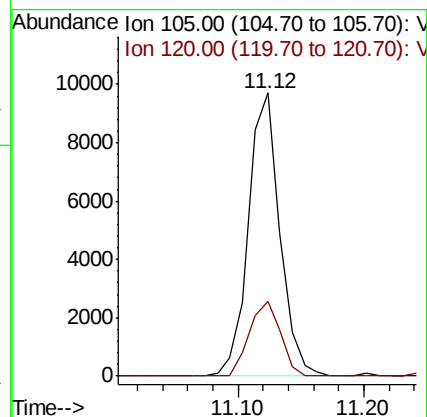
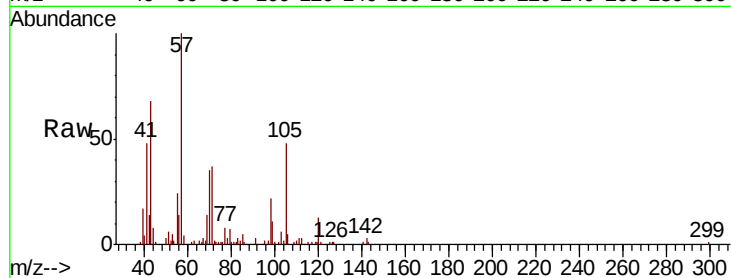
Ion Ratio Lower Upper

105 100

120 26.6 12.2 36.4

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#78

n-propylbenzene

Concen: 8.953 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF061001.D

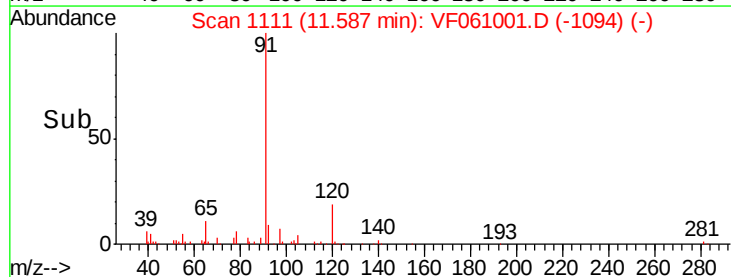
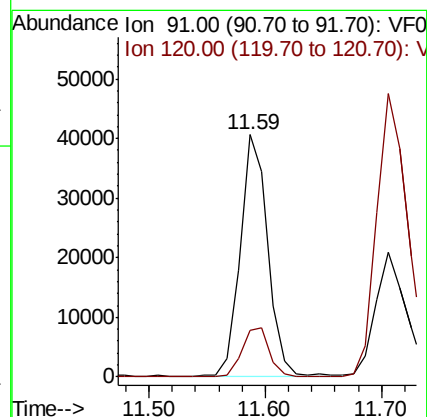
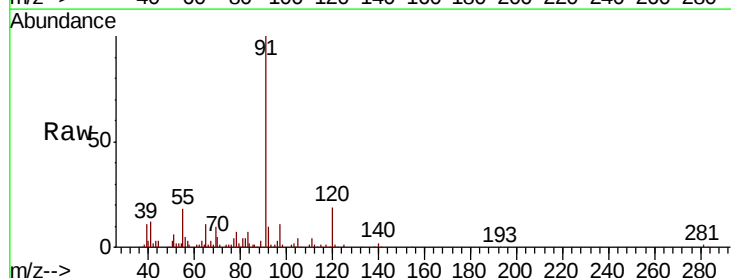
Acq: 12 Dec 2018 17:47

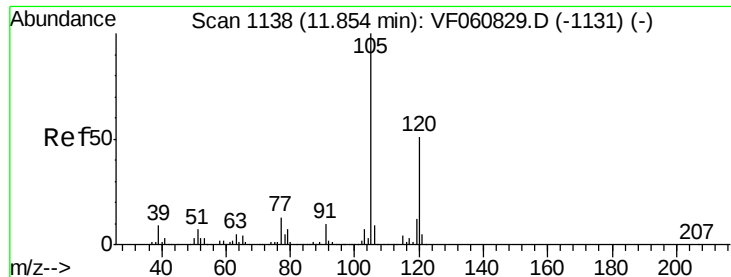
Tgt Ion: 91 Resp: 66019

Ion Ratio Lower Upper

91 100

120 19.2 10.3 30.8





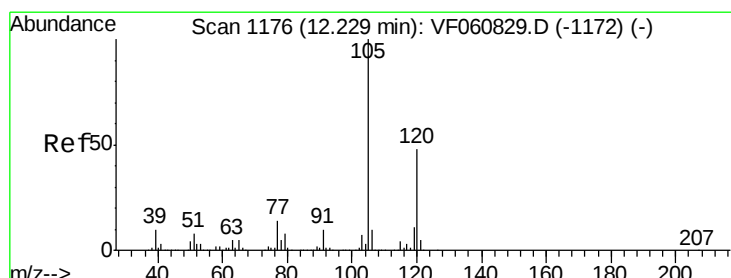
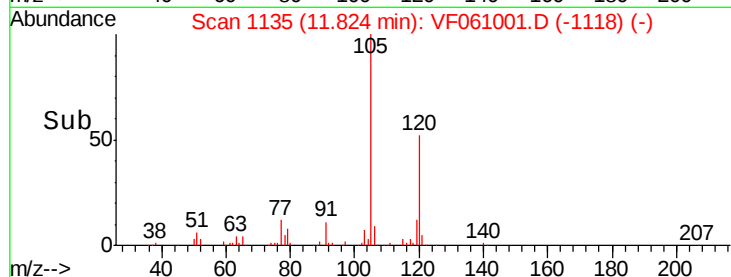
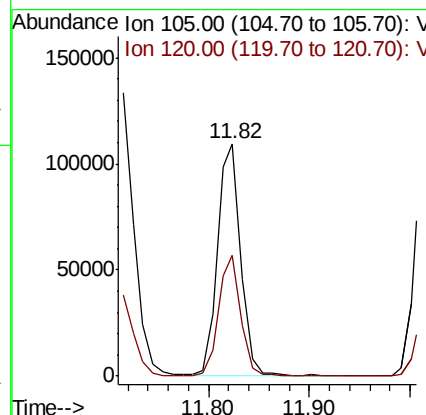
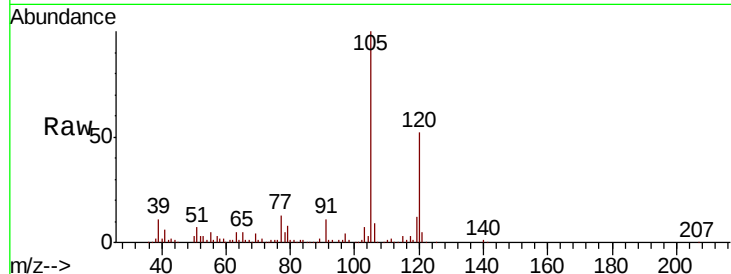
#80
 1,3,5-Trimethylbenzene
 Concen: 34.335 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.03 min
 Lab File: VF061001.D
 Acq: 12 Dec 2018 17:47

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-121118-BRE

Tot Ion	Ratio	Lower	Upper
105	100		
120	51.9	25.8	77.3

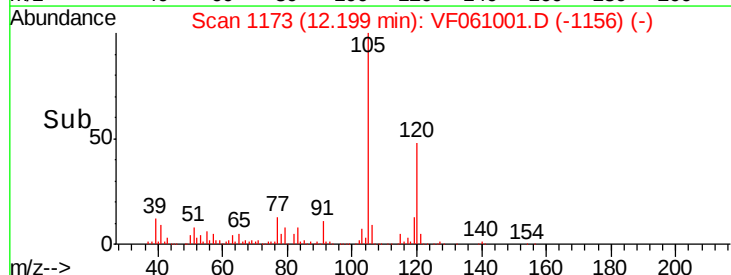
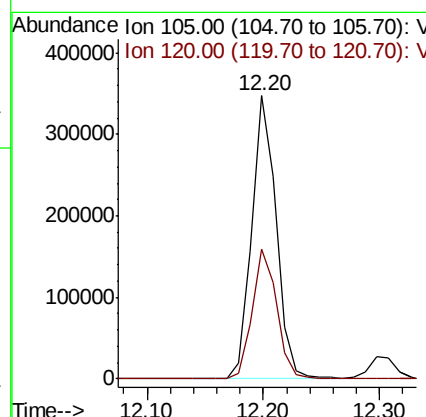
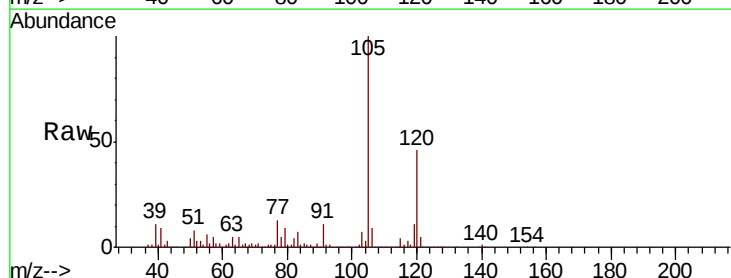
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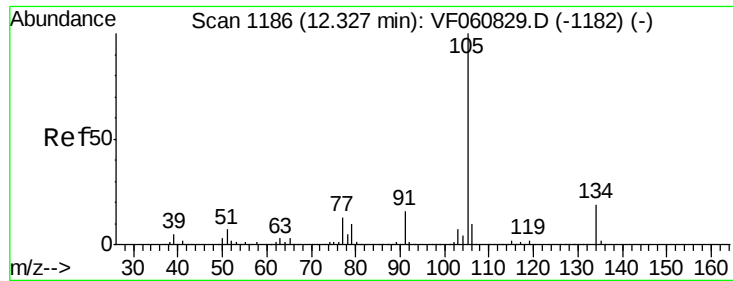
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#84
 1,2,4-Trimethylbenzene
 Concen: 98.918 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.03 min
 Lab File: VF061001.D
 Acq: 12 Dec 2018 17:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.8	71.5





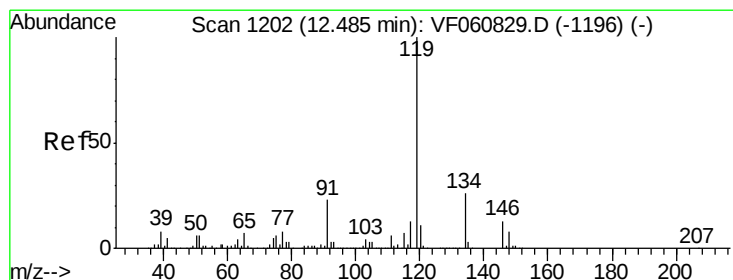
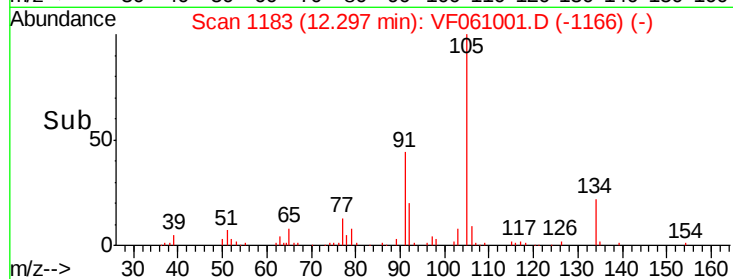
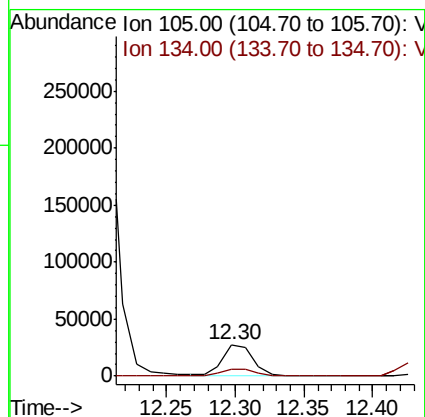
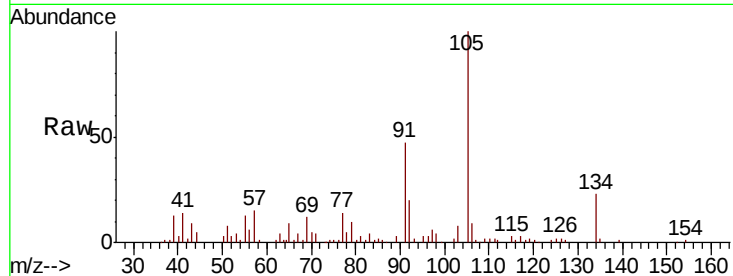
#85
 sec-Butylbenzene
 Concen: 5.983 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF061001.D
 Acq: 12 Dec 2018 17:47

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-121118-BRE

Tot Ion:105 Resp: 42643
 Ion Ratio Lower Upper
 105 100
 134 22.5 9.5 28.5

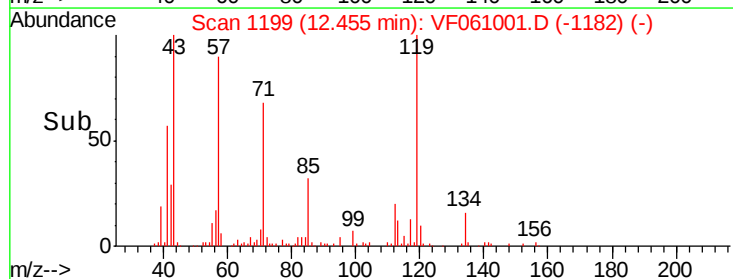
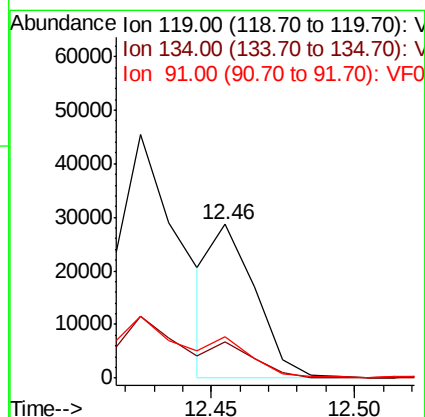
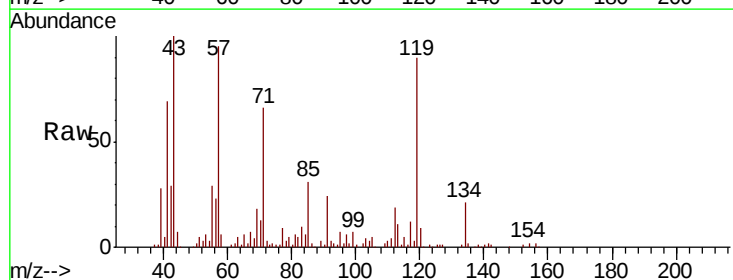
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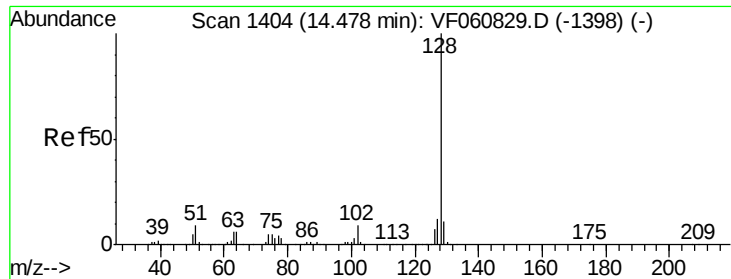
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#86
 p-Isopropyltoluene
 Concen: 4.979 ug/l m
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF061001.D
 Acq: 12 Dec 2018 17:47

Tgt Ion:119 Resp: 29753
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.9 38.6
 91 26.5 11.8 35.3





#95
 Naphthalene
 Concen: 26.051 ug/l
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.03 min
 Lab File: VF061001.D
 Acq: 12 Dec 2018 17:47

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-121118-BRE

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.3	9.9	14.9#
129	15.8	9.1	13.7#

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