

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
 Data File : VF060729.D
 Acq On : 14 Nov 2018 17:30
 Operator : VA/AP
 Sample : J5770-01
 Misc : 7.12g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-01-111218-A

Quant Time: Nov 15 07:17:38 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	4.85	168	255508	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	421999	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	398185	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	206446	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	115227	39.54	ug/l	-0.04
Spiked Amount			Recovery	=	79.08%	
35) Dibromofluoromethane	4.09	113	130057	41.00	ug/l	-0.04
Spiked Amount			Recovery	=	82.00%	
50) Toluene-d8	7.53	98	328411	39.58	ug/l	-0.04
Spiked Amount			Recovery	=	79.16%	
62) 4-Bromofluorobenzene	11.40	95	164651	43.32	ug/l	-0.02
Spiked Amount			Recovery	=	86.64%	

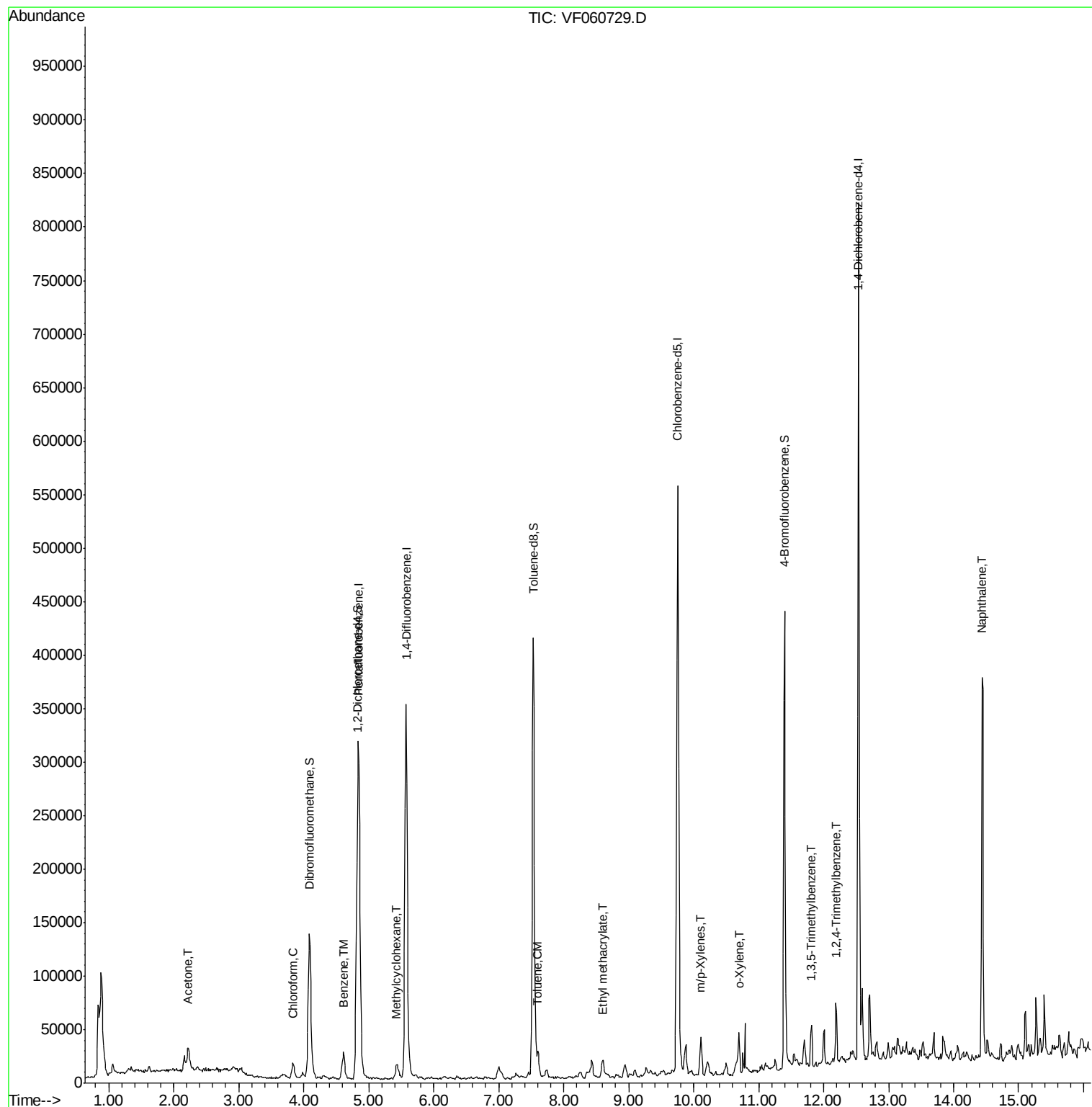
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.23	43	22545	36.19	ug/l	# 88
30) Chloroform	3.83	83	16257	2.37	ug/l	90
39) Methylcyclohexane	5.43	83	9554	1.68	ug/l	88
40) Benzene	4.61	78	29699	2.72	ug/l	99
52) Toluene	7.60	92	11062	1.51	ug/l	97
56) Ethyl methacrylate	8.60	69	8514	3.59	ug/l	95
68) m/p-Xylenes	10.11	106	13780	2.55	ug/l	93
69) o-Xylene	10.70	106	11420	1.88	ug/l	81
80) 1,3,5-Trimethylbenzene	11.81	105	20514	1.55	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	26995	1.98	ug/l	91
95) Naphthalene	14.45	128	265280	31.21	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF060729.D

Acq: 14 Nov 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

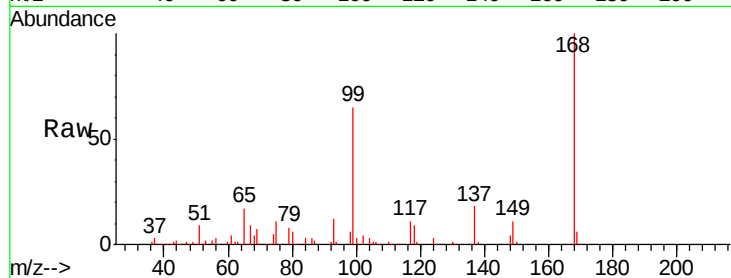
OR-01-111218-A

Tgt Ion:168 Resp: 255508

Ion Ratio Lower Upper

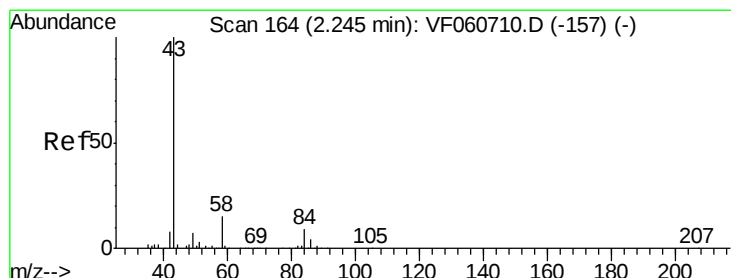
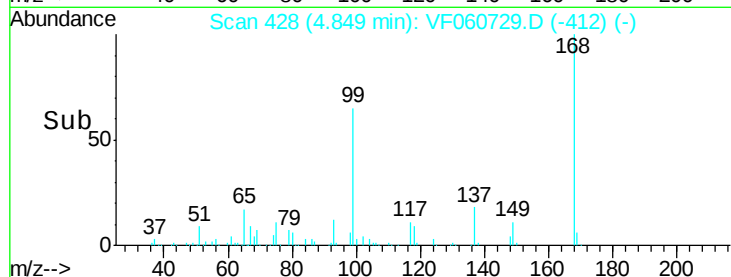
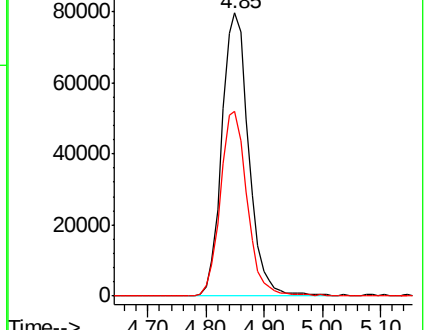
168 100

99 65.5 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 36.19 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF060729.D

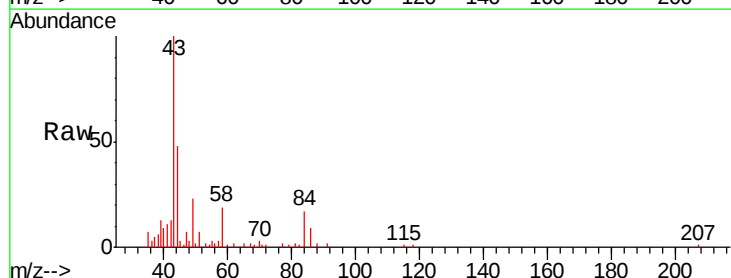
Acq: 14 Nov 2018 17:30

Tgt Ion: 43 Resp: 22545

Ion Ratio Lower Upper

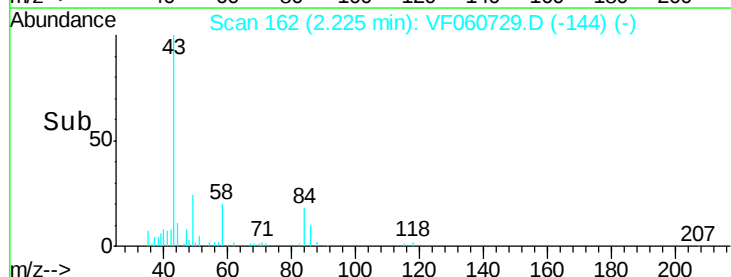
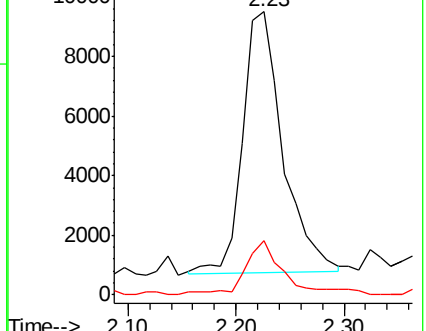
43 100

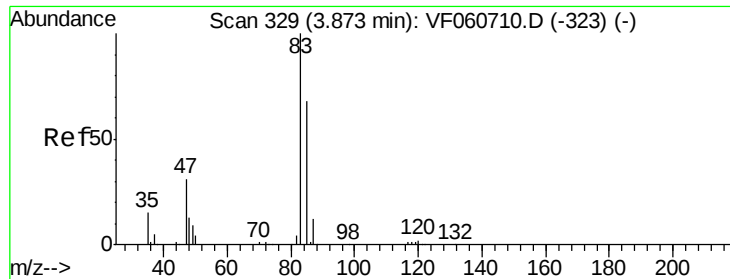
58 19.3 11.6 17.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

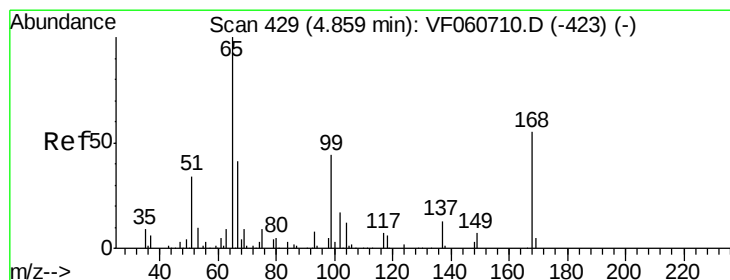
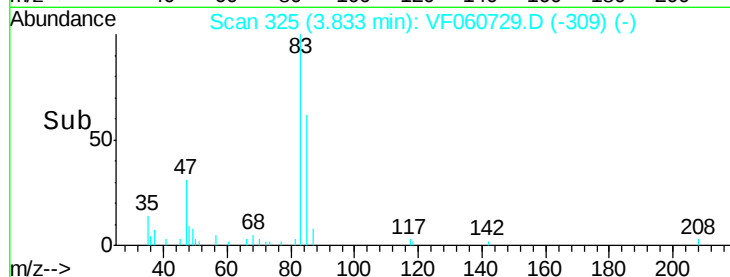
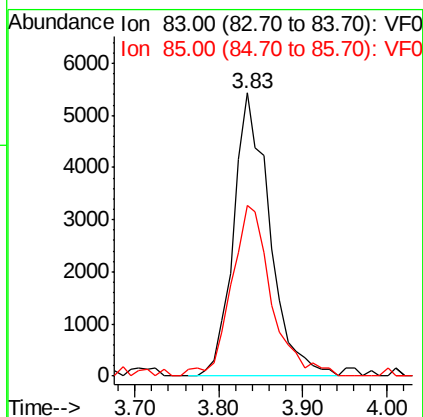
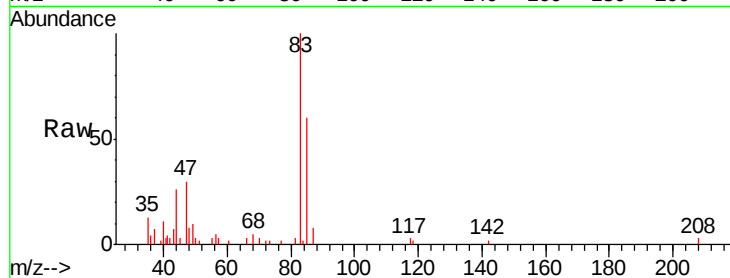




#30
Chloroform
Concen: 2.37 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

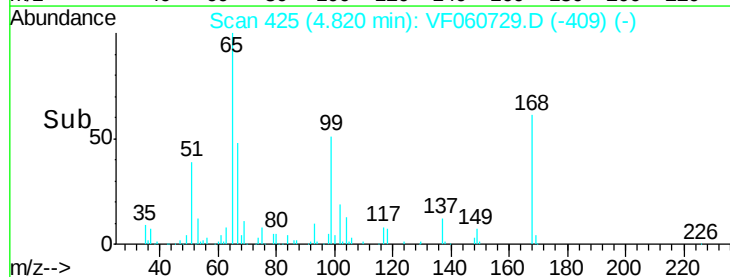
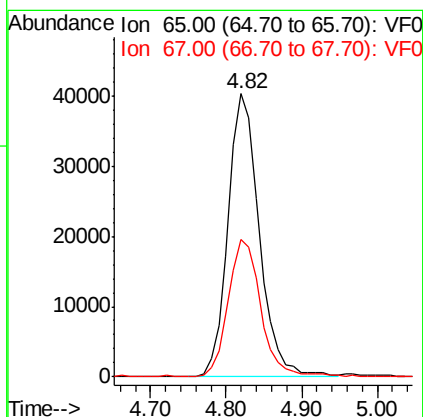
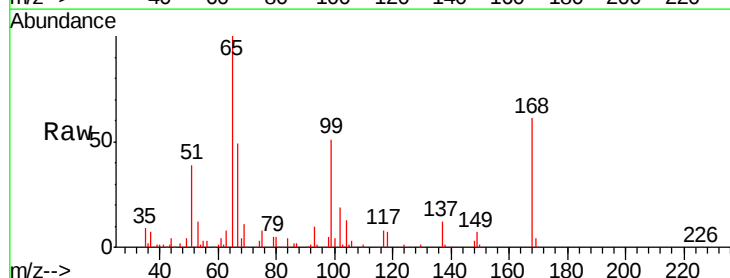
Instrument :
MSVOA_F
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OR-01-111218-A

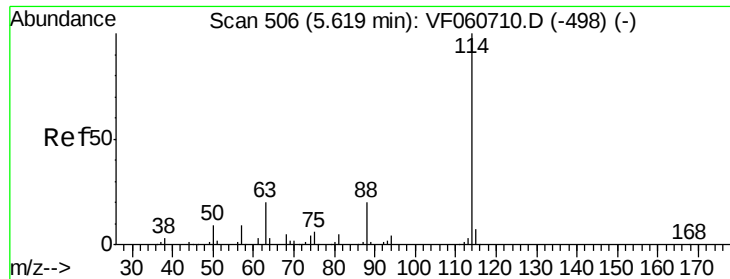
Tgt Ion: 83 Resp: 16257
Ion Ratio Lower Upper
83 100
85 60.3 54.6 82.0



#33
1,2-Dichloroethane-d4
Concen: 39.54 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 65 Resp: 115227
Ion Ratio Lower Upper
65 100
67 48.7 0.0 90.2

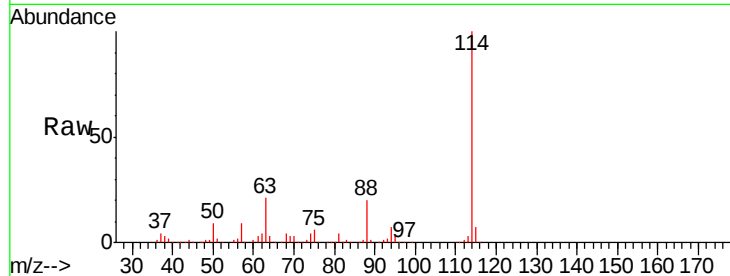




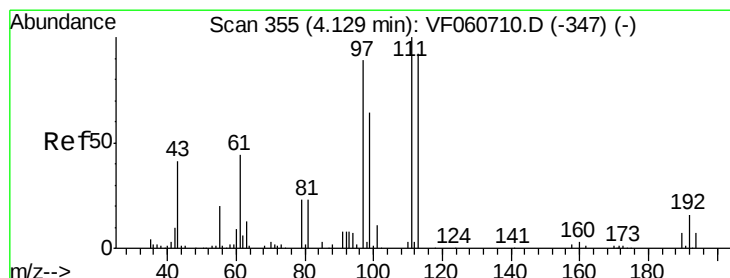
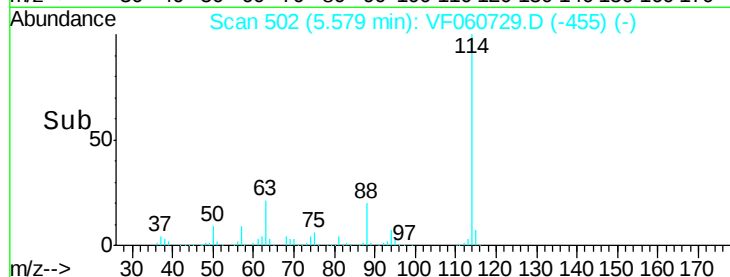
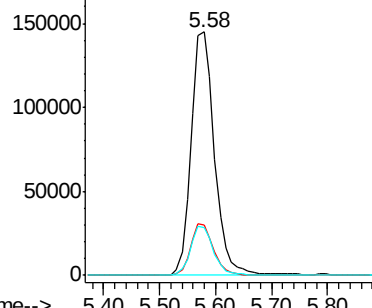
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.04 min
 Lab File: VF060729.D
 Acq: 14 Nov 2018 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-01-111218-A

Tgt Ion:	114	Resp:	421999
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	19.8	0.0	39.6

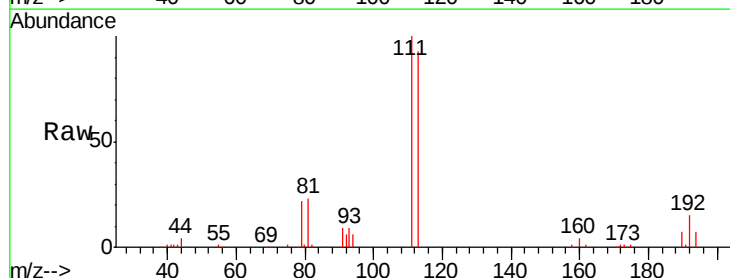


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

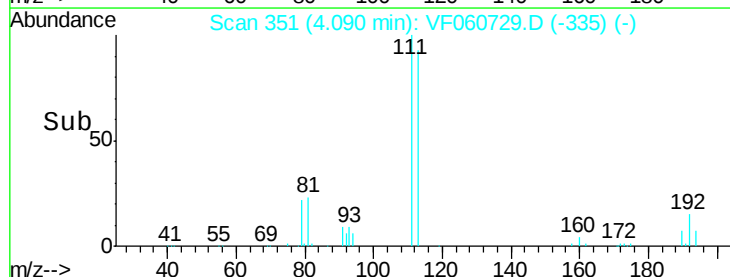
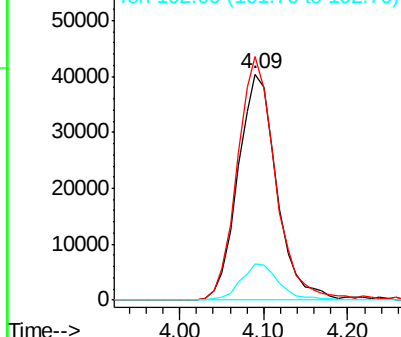


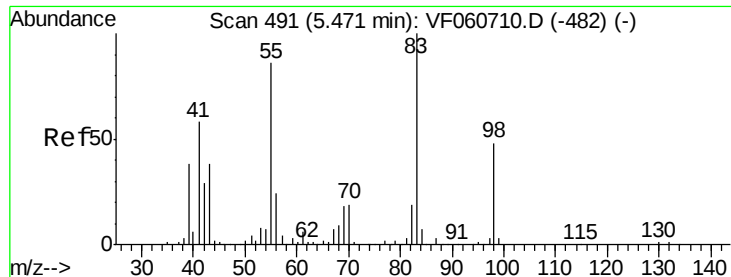
#35
 Dibromofluoromethane
 Concen: 41.00 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.04 min
 Lab File: VF060729.D
 Acq: 14 Nov 2018 17:30

Tgt Ion:	113	Resp:	130057
Ion	Ratio	Lower	Upper
113	100		
111	107.6	87.1	130.7
192	16.2	13.8	20.6



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

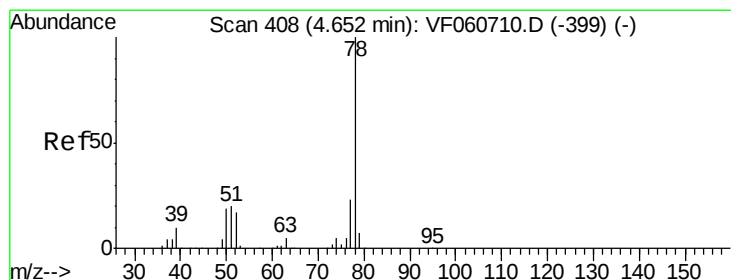
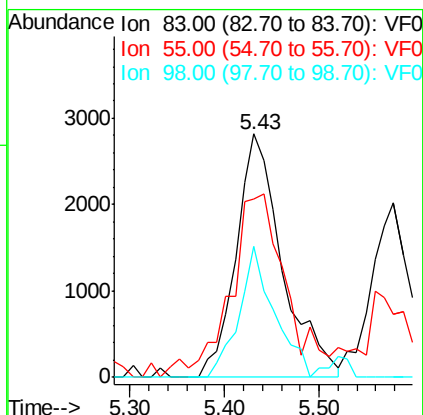
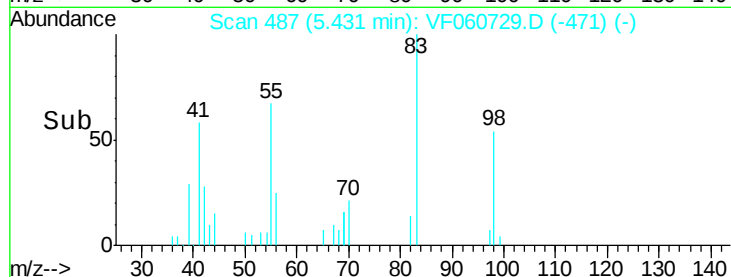
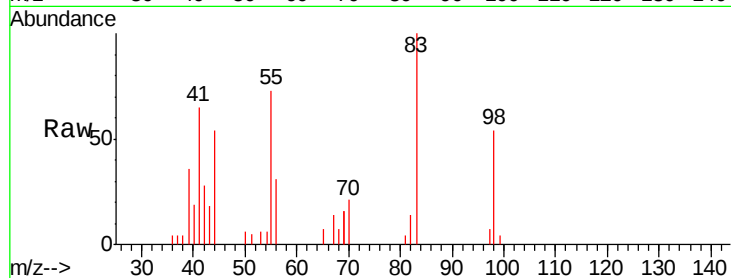




#39
Methylcyclohexane
Concen: 1.68 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

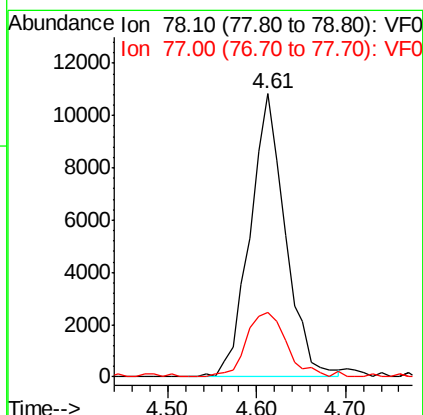
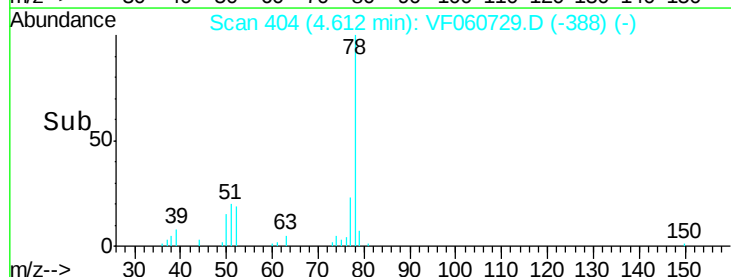
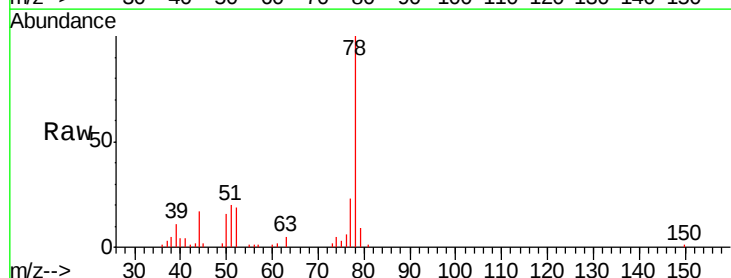
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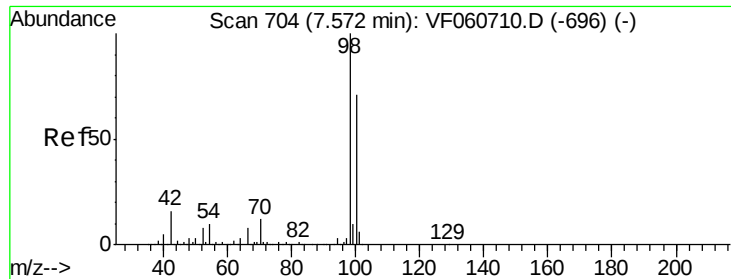
Tgt Ion: 83 Resp: 9554
Ion Ratio Lower Upper
83 100
55 73.5 69.0 103.4
98 53.6 38.5 57.7



#40
Benzene
Concen: 2.72 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 78 Resp: 29699
Ion Ratio Lower Upper
78 100
77 22.7 18.6 28.0

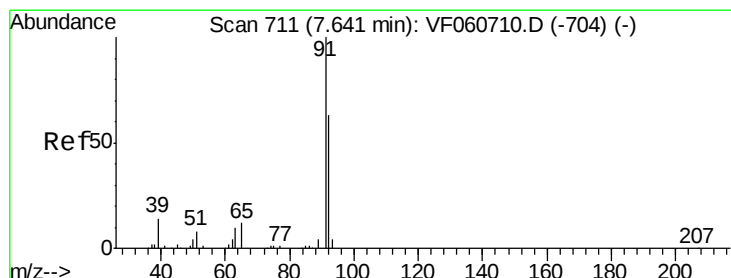
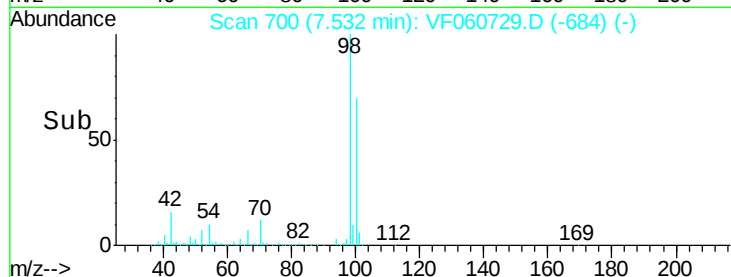
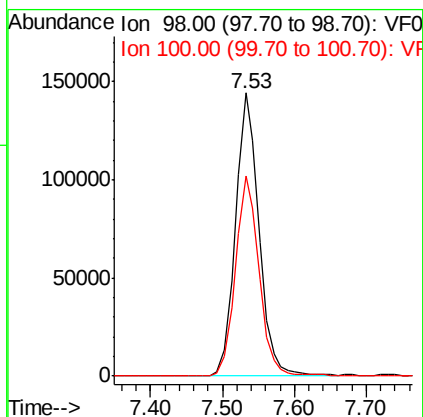
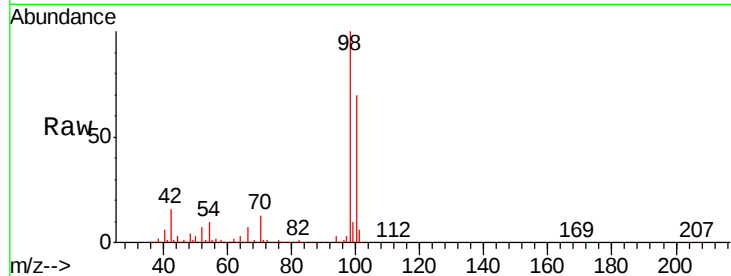




#50
Toluene-d8
Concen: 39.58 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

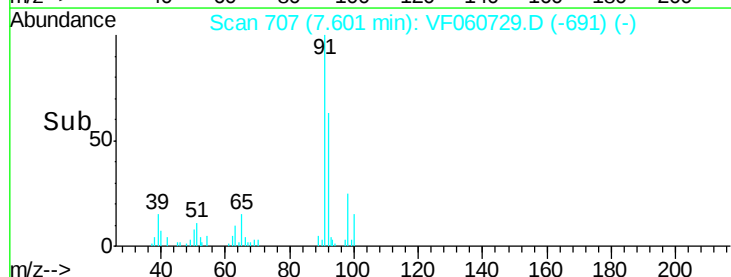
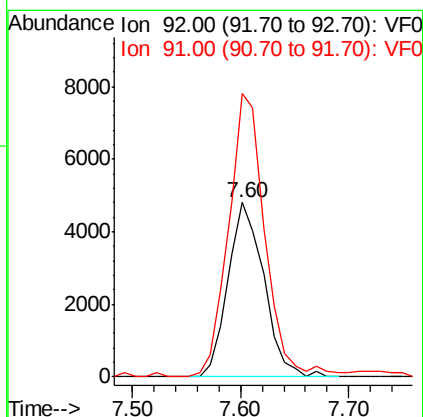
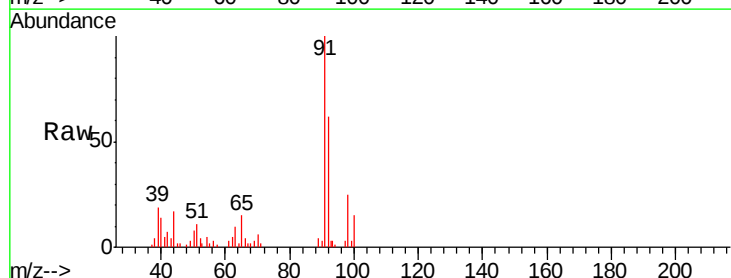
Instrument :
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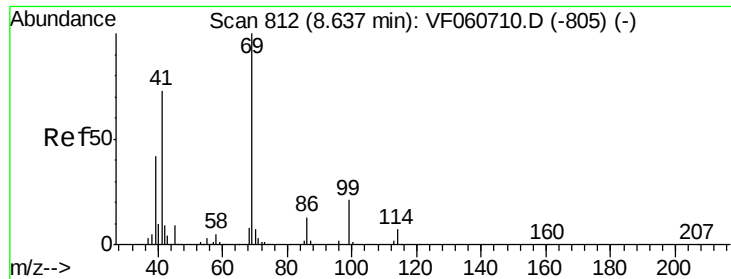
Tgt Ion: 98 Resp: 328411
Ion Ratio Lower Upper
98 100
100 70.5 56.5 84.7



#52
Toluene
Concen: 1.51 ug/l
RT: 7.60 min Scan# 707
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 92 Resp: 11062
Ion Ratio Lower Upper
92 100
91 162.3 126.7 190.1

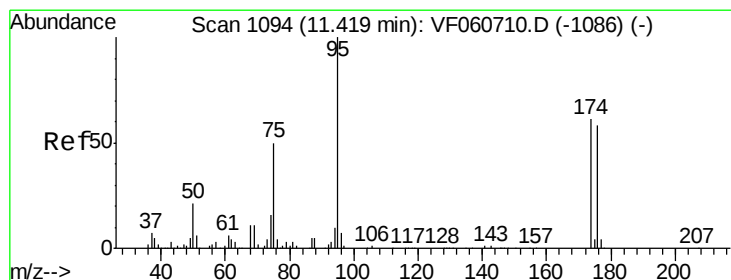
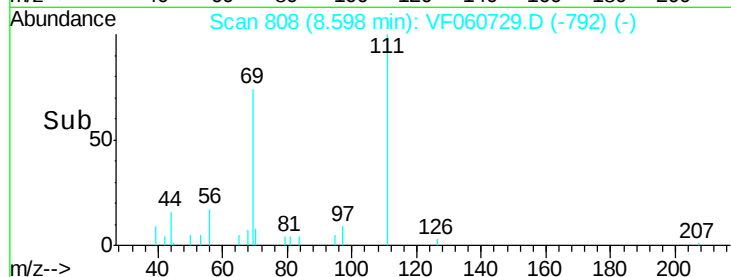
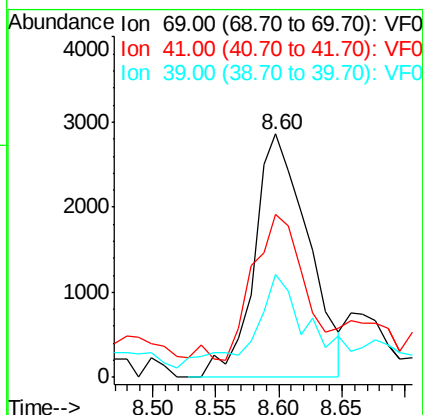
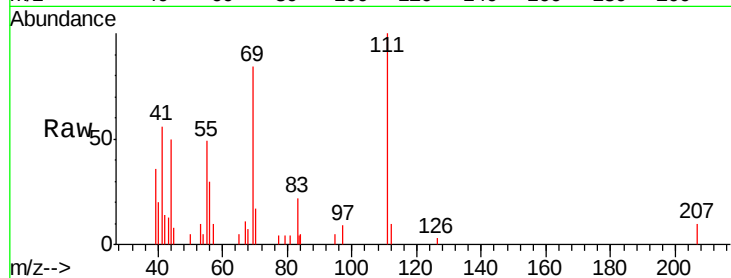




#56
Ethyl methacrylate
Concen: 3.59 ug/l
RT: 8.60 min Scan# 808
Delta R.T. -0.04 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

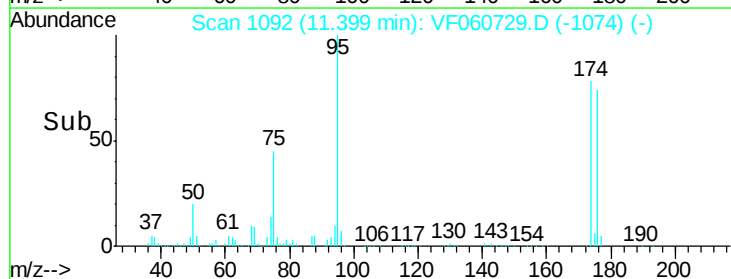
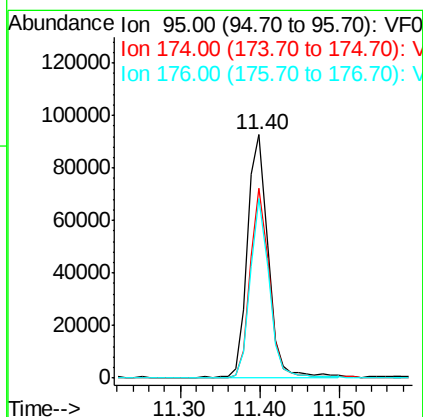
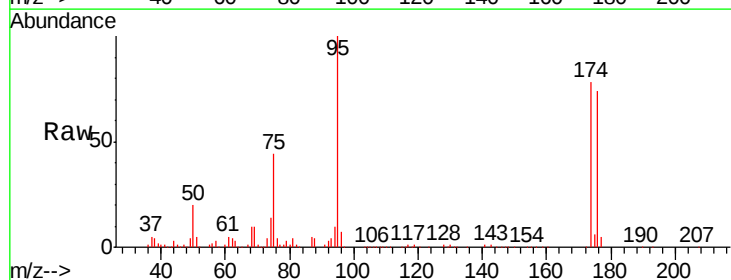
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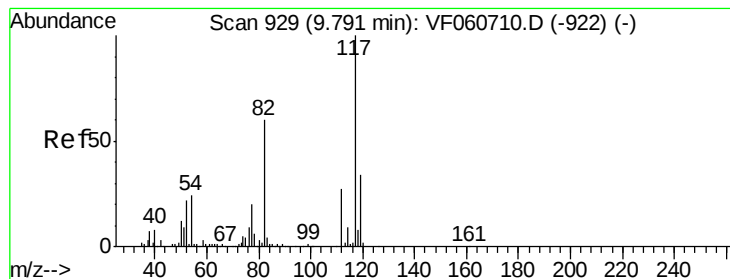
Tgt Ion: 69 Resp: 8514
Ion Ratio Lower Upper
69 100
41 67.0 59.0 88.6
39 42.2 34.0 51.0



#62
4-Bromofluorobenzene
Concen: 43.32 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion: 95 Resp: 164651
Ion Ratio Lower Upper
95 100
174 77.9 0.0 121.6
176 73.6 0.0 115.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.04 min

Lab File: VF060729.D

Acq: 14 Nov 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

OR-01-111218-A

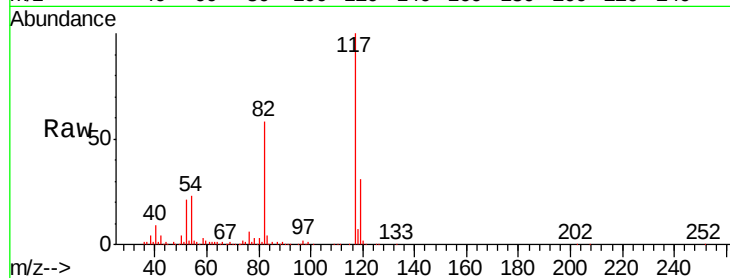
Tgt Ion:117 Resp: 398185

Ion Ratio Lower Upper

117 100

82 58.3 47.9 71.9

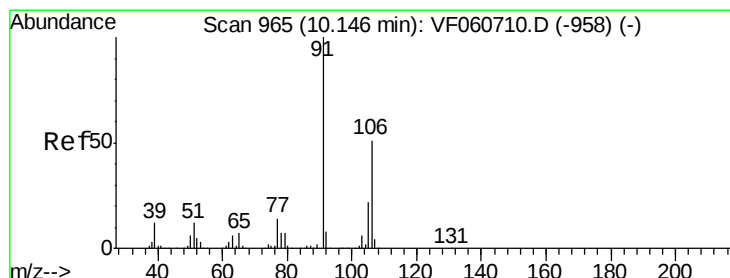
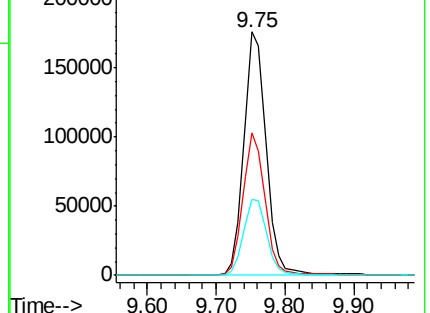
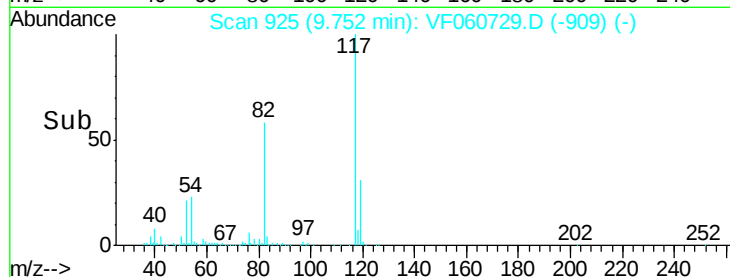
119 31.4 26.8 40.2



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



#68

m/p-Xylenes

Concen: 2.55 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.04 min

Lab File: VF060729.D

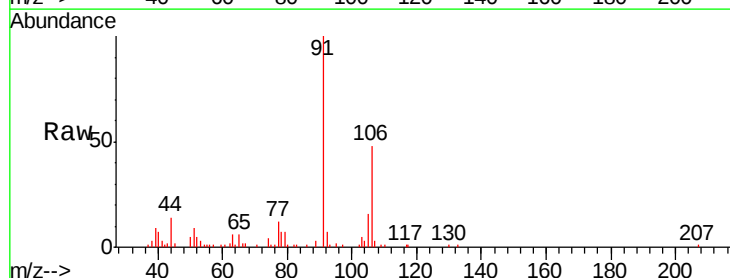
Acq: 14 Nov 2018 17:30

Tgt Ion:106 Resp: 13780

Ion Ratio Lower Upper

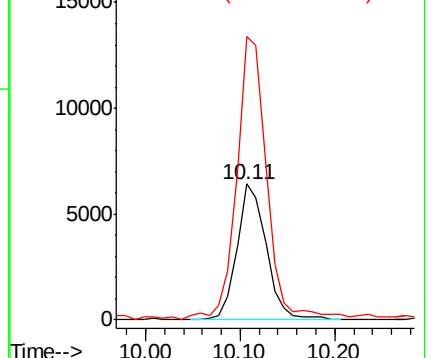
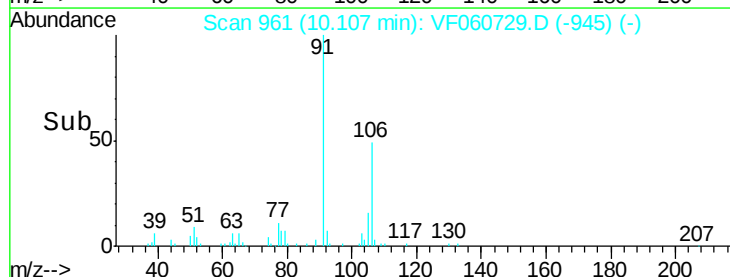
106 100

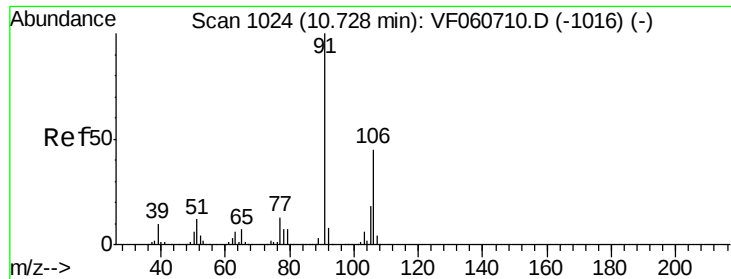
91 208.7 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

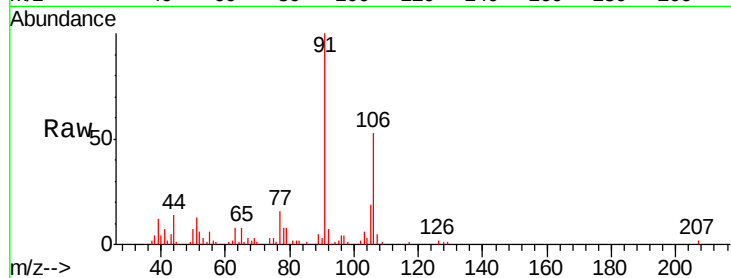




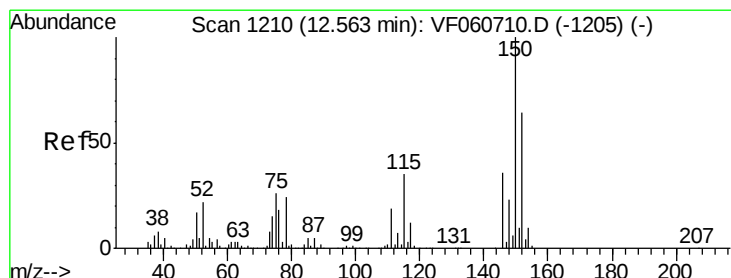
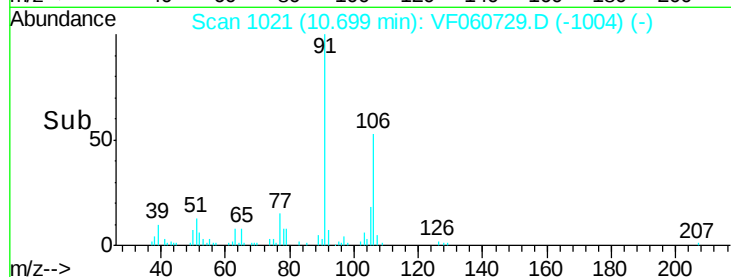
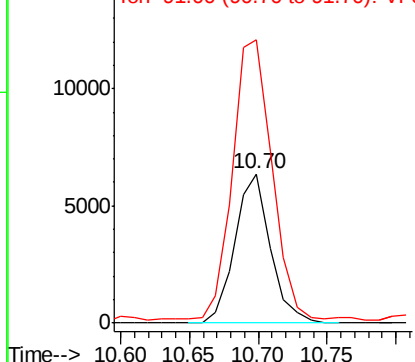
#69
o-Xylene
Concen: 1.88 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-A

Tgt Ion:106 Resp: 11420
Ion Ratio Lower Upper
106 100
91 189.4 110.3 330.9

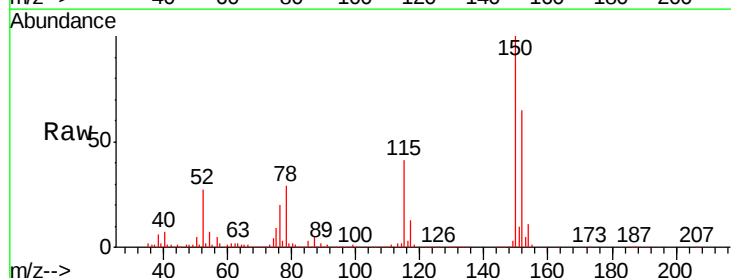


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

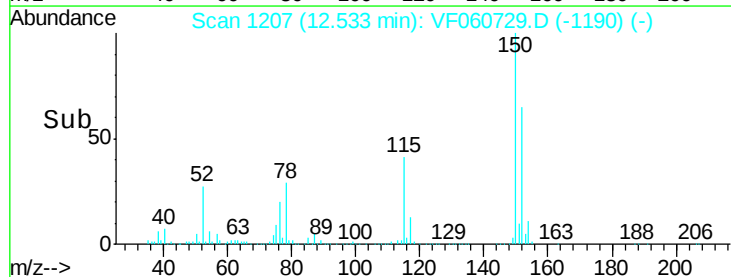
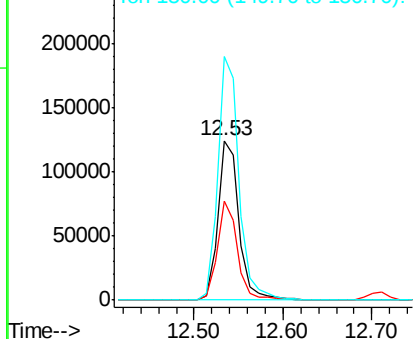


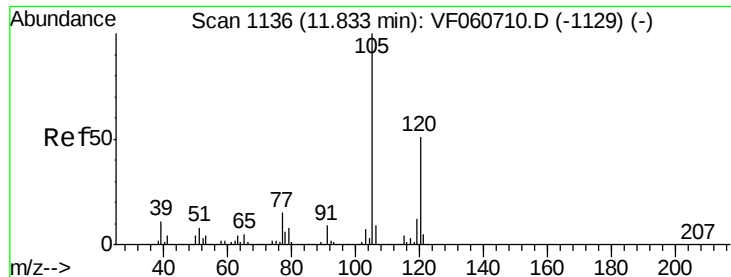
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.03 min
Lab File: VF060729.D
Acq: 14 Nov 2018 17:30

Tgt Ion:152 Resp: 206446
Ion Ratio Lower Upper
152 100
115 62.2 27.9 83.7
150 152.9 0.0 316.4



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

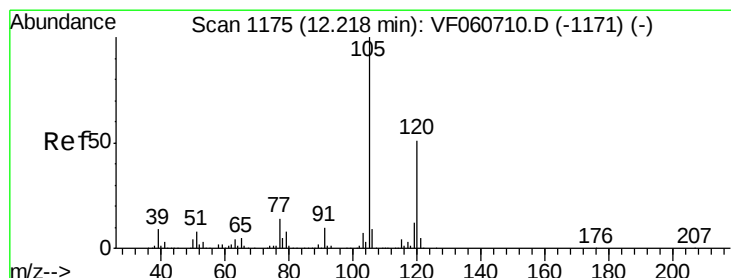
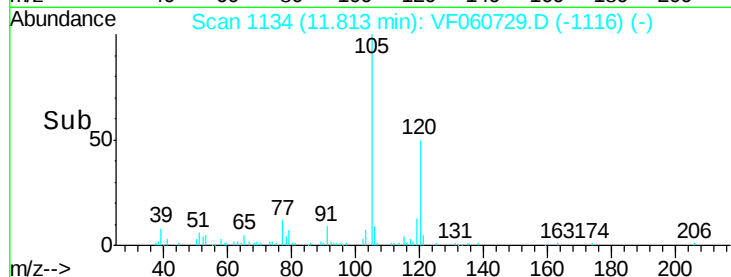
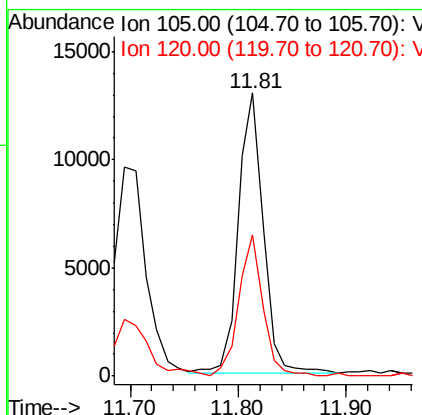
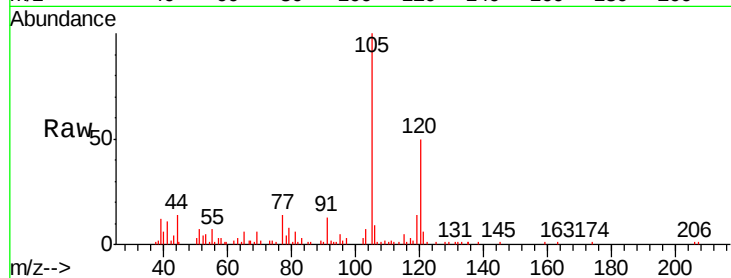




#80
 1,3,5-Trimethylbenzene
 Concen: 1.55 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: VF060729.D
 Acq: 14 Nov 2018 17:30

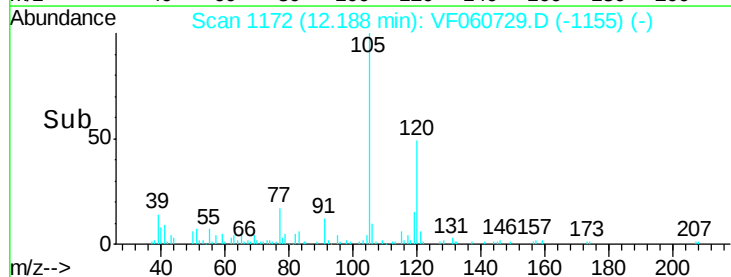
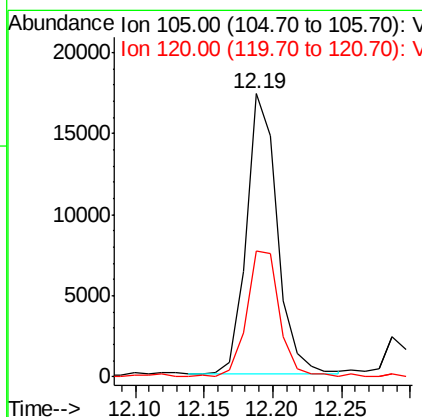
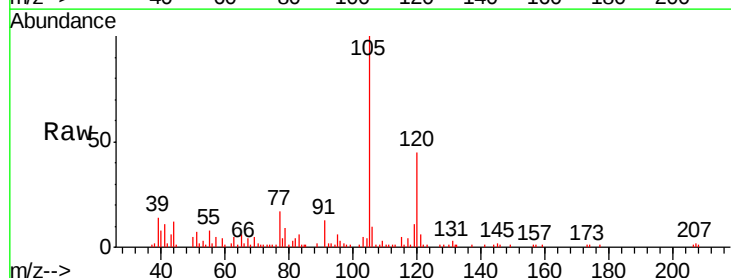
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-01-111218-A

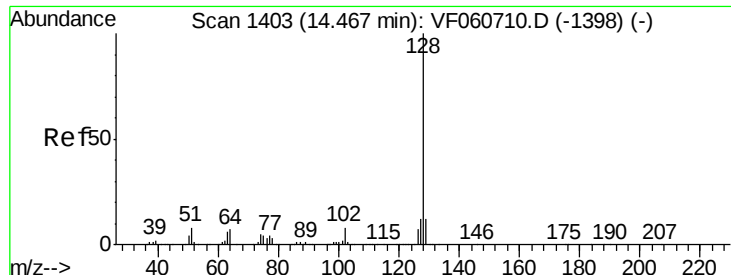
Tgt Ion:105 Resp: 20514
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.6 76.8



#84
 1,2,4-Trimethylbenzene
 Concen: 1.98 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.03 min
 Lab File: VF060729.D
 Acq: 14 Nov 2018 17:30

Tgt Ion:105 Resp: 26995
 Ion Ratio Lower Upper
 105 100
 120 44.7 25.5 76.5





#95

Naphthalene

Concen: 31.21 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF060729.D

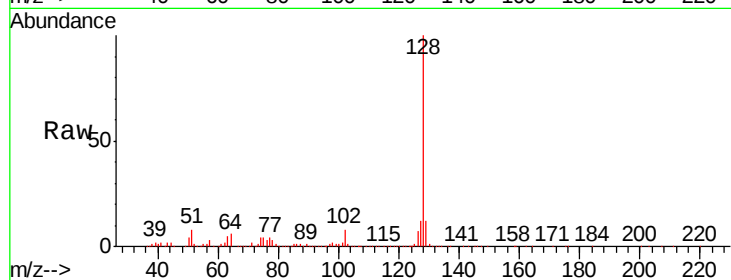
Acq: 14 Nov 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

OR-01-111218-A



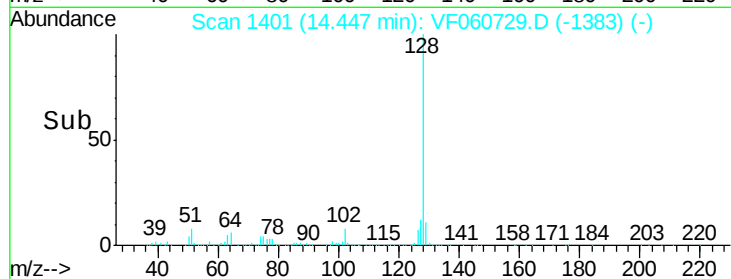
Tgt Ion:128 Resp: 265280

Ion Ratio Lower Upper

128 100

127 12.4 9.8 14.6

129 11.6 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

