

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060429.D
 Acq On : 3 Oct 2018 21:57
 Operator : VA/AP
 Sample : J5194-05
 Misc : 6.74/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-100218-C

Quant Time: Oct 04 15:09:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	267755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	435125	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	285017	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	142768	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	189468	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	
35) Dibromofluoromethane	4.27	113	222696	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	
50) Toluene-d8	7.69	98	271530	26.97	ug/l	0.00
Spiked Amount			Recovery	=	53.94%	
62) 4-Bromofluorobenzene	11.50	95	171521	37.31	ug/l	0.01
Spiked Amount			Recovery	=	74.62%	

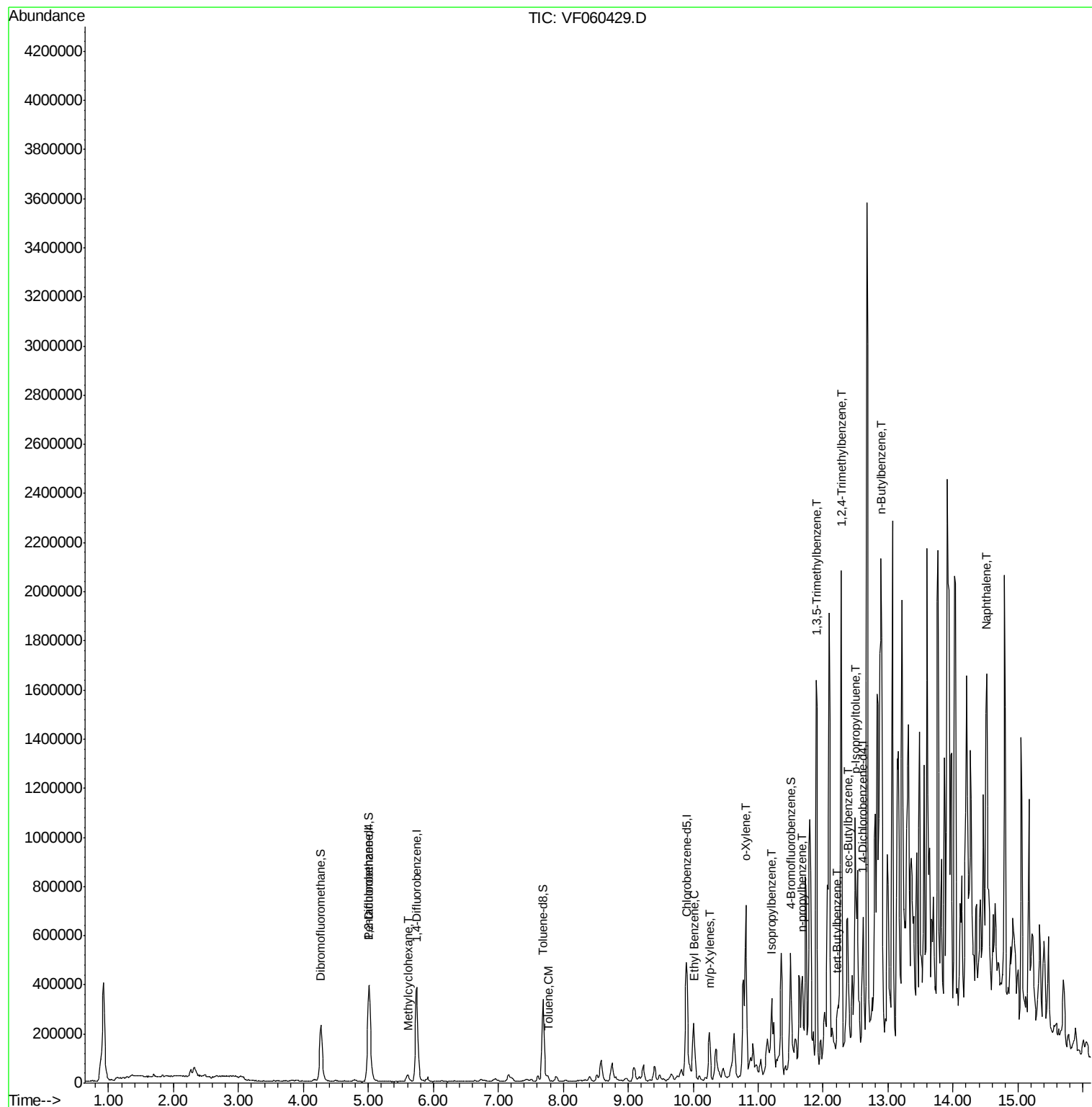
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	5.61	83	16687	3.173	ug/l #	82
52) Toluene	7.77	92	10518	1.454	ug/l #	66
67) Ethyl Benzene	10.02	91	74904	6.729	ug/l	98
68) m/p-Xylenes	10.25	106	62001	16.201	ug/l	91
69) o-Xylene	10.81	106	172293	41.304	ug/l	94
73) Isopropylbenzene	11.22	105	82583	7.346	ug/l	96
78) n-propylbenzene	11.68	91	224225	16.454	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	833045	87.224	ug/l	95
83) tert-Butylbenzene	12.20	119	16496	1.751	ug/l	88
84) 1,2,4-Trimethylbenzene	12.28	105	843723	89.079	ug/l	100
85) sec-Butylbenzene	12.38	105	310222	23.859	ug/l	91
86) p-Isopropyltoluene	12.50	119	696321	65.550	ug/l	97
89) n-Butylbenzene	12.90	91	383281	34.097	ug/l #	32
95) Naphthalene	14.52	128	251056	41.466	ug/l #	76

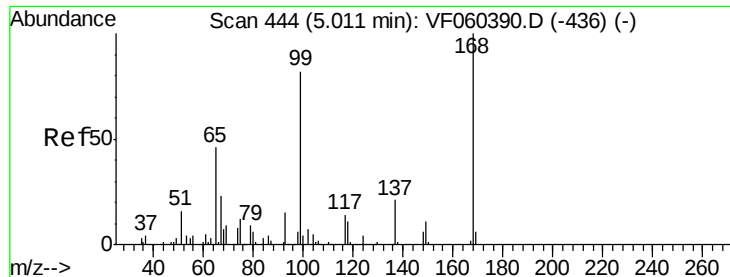
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100318\
Data File : VF060429.D
Acq On : 3 Oct 2018 21:57
Operator : VA/AP
Sample : J5194-05
Misc : 6.74/5mL/MSVOA F/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-C

Quant Time: Oct 04 15:09:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

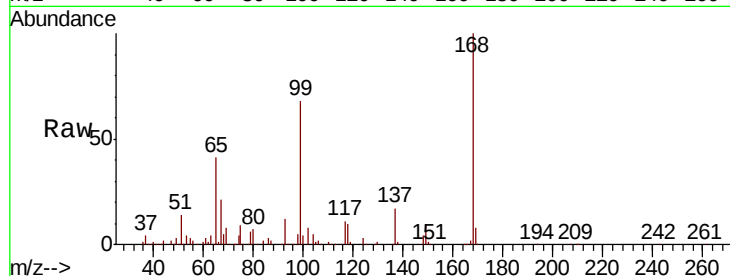
HR-06-100218-C

Tot Ion:168 Resp: 267755

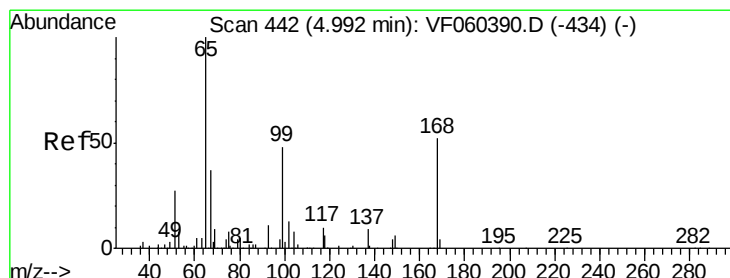
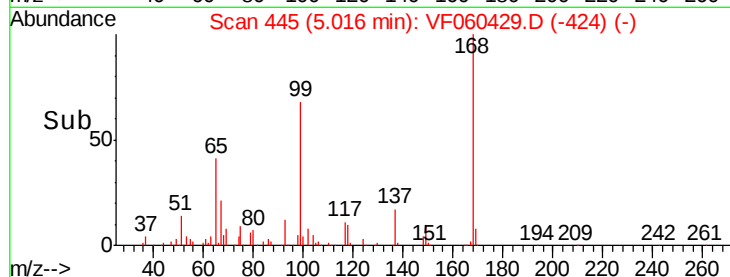
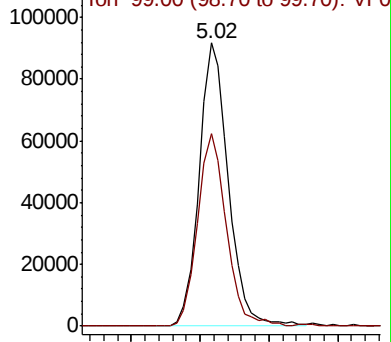
Ion Ratio Lower Upper

168 100

99 68.0 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 45.222 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.00 min

Lab File: VF060429.D

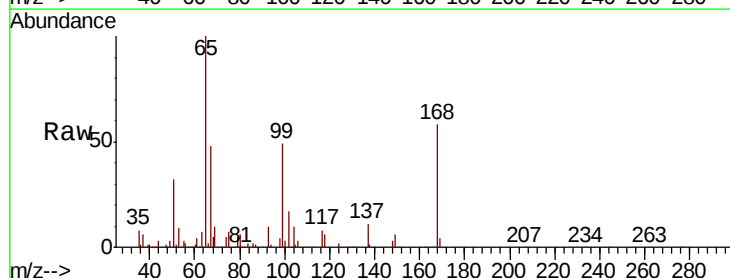
Acq: 3 Oct 2018 21:57

Tgt Ion: 65 Resp: 189468

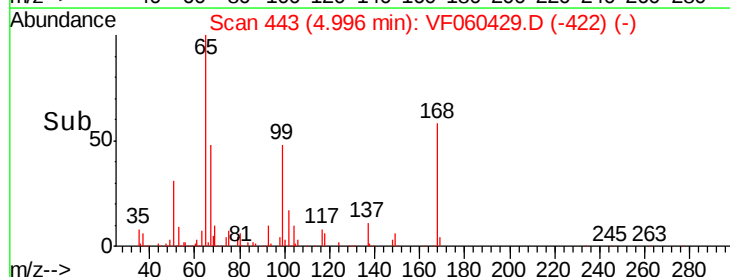
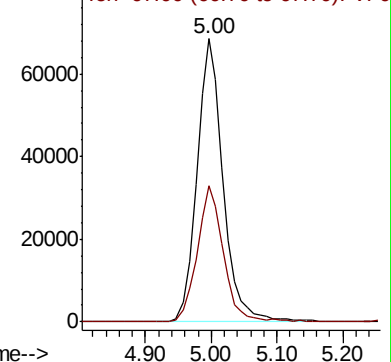
Ion Ratio Lower Upper

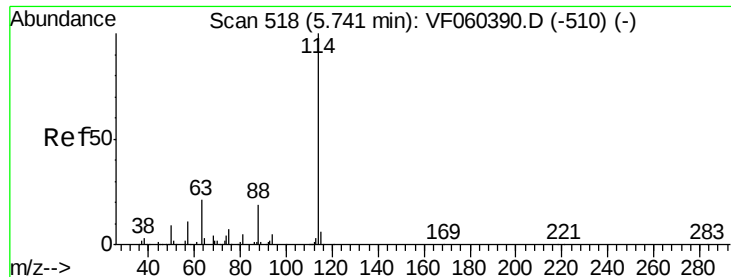
65 100

67 48.1 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

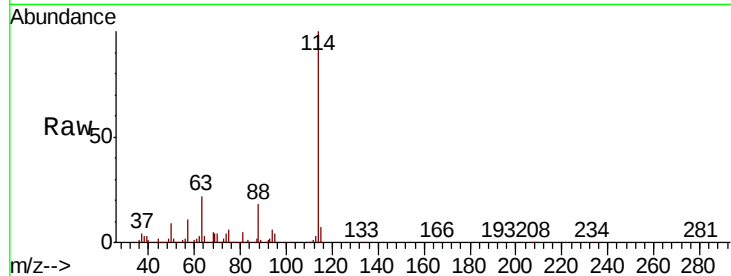




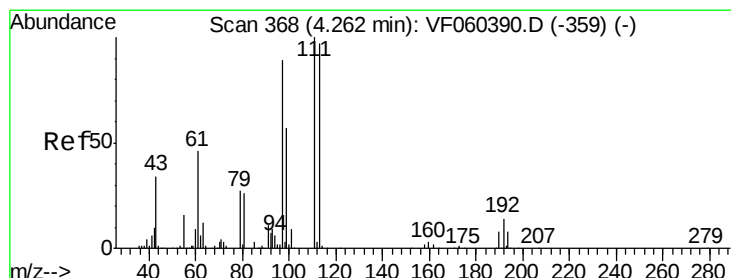
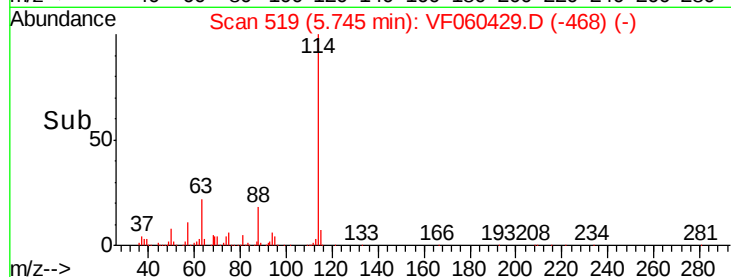
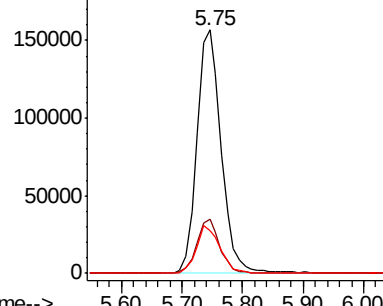
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.75 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-C

Tot Ion:114 Resp: 435125
Ion Ratio Lower Upper
114 100
63 22.1 0.0 42.2
88 17.7 0.0 38.8

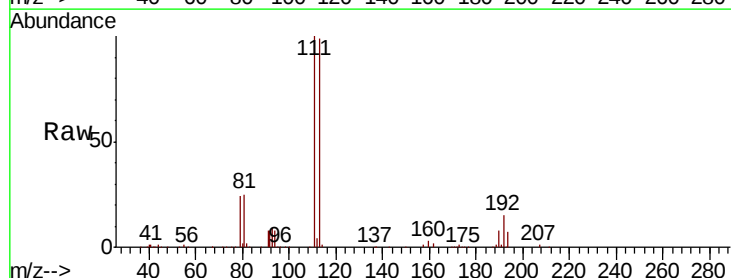


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

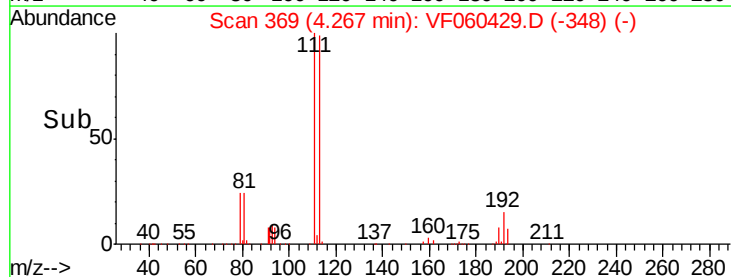
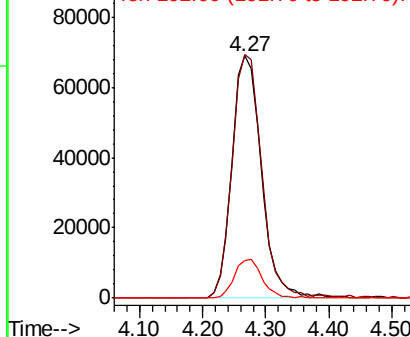


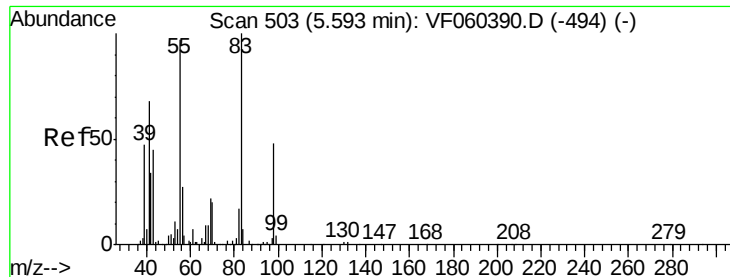
#35
Dibromofluoromethane
Concen: 54.479 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

Tgt Ion:113 Resp: 222696
Ion Ratio Lower Upper
113 100
111 100.6 82.3 123.5
192 15.6 11.8 17.6



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

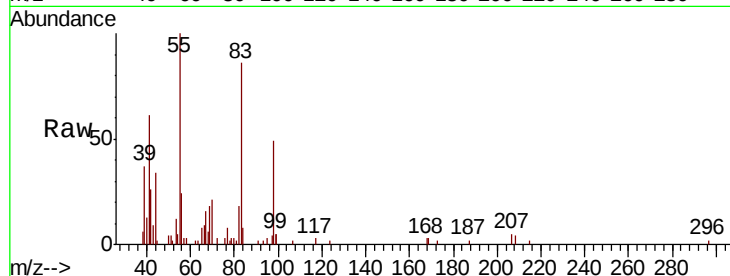




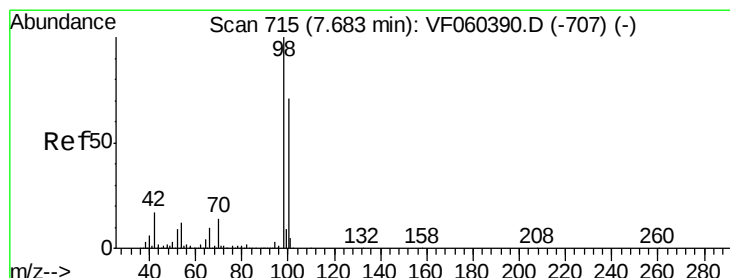
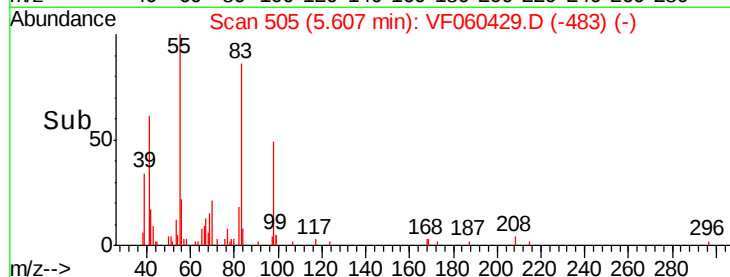
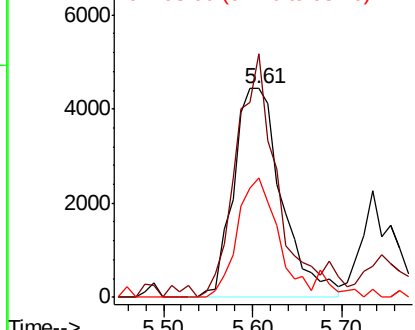
#39
Methvlcvclohexane
Concen: 3.173 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.01 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-C

Tot Ion: 83 Resp: 16687
Ion Ratio Lower Upper
83 100
55 116.6 77.5 116.3#
98 57.4 38.7 58.1

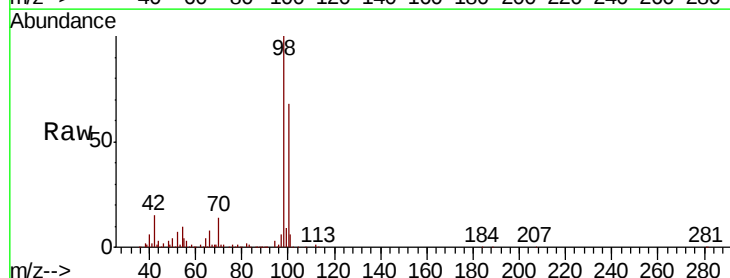


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

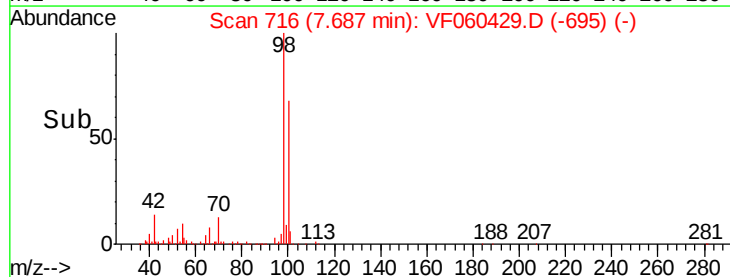
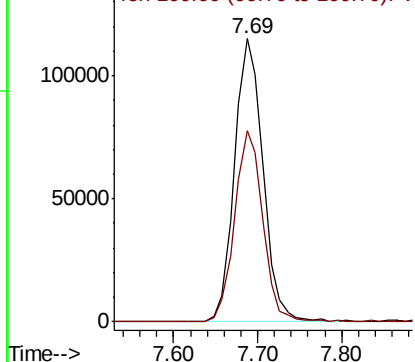


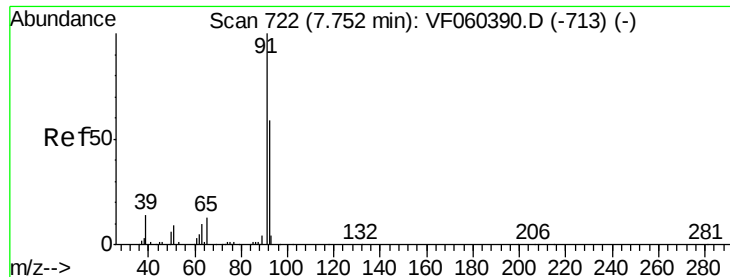
#50
Toluene-d8
Concen: 26.972 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

Tgt Ion: 98 Resp: 271530
Ion Ratio Lower Upper
98 100
100 67.7 56.5 84.7



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





#52

Toluene

Concen: 1.454 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.01 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

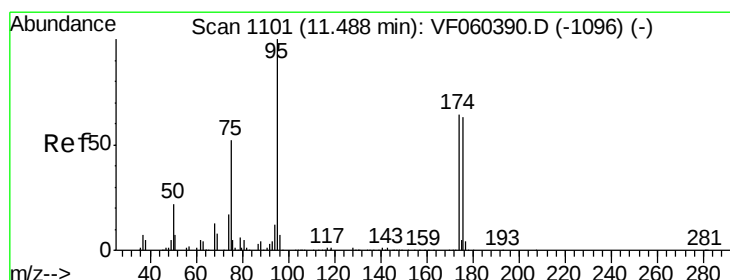
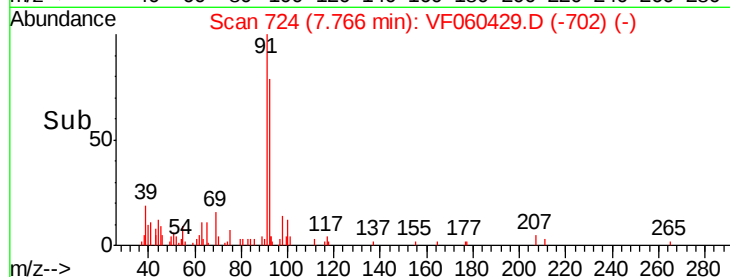
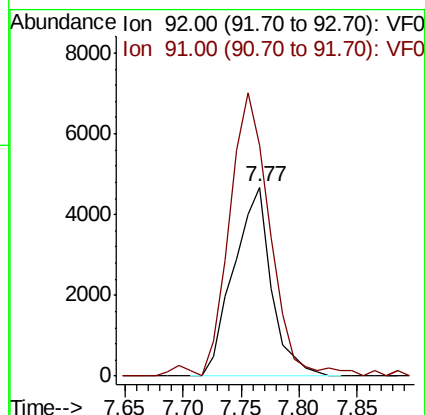
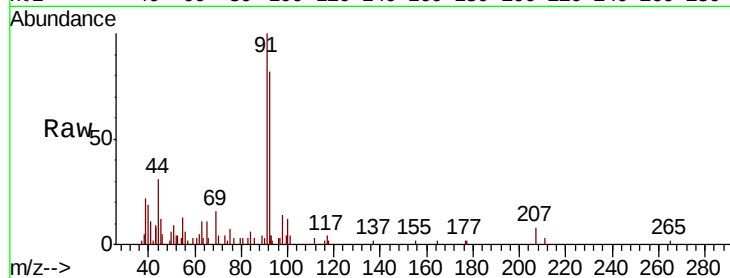
HR-06-100218-C

Tot Ion: 92 Resp: 10518

Ion Ratio Lower Upper

92 100

91 122.3 135.4 203.0#



#62

4-Bromofluorobenzene

Concen: 37.314 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

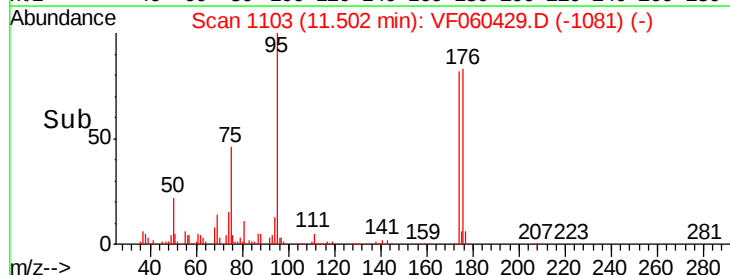
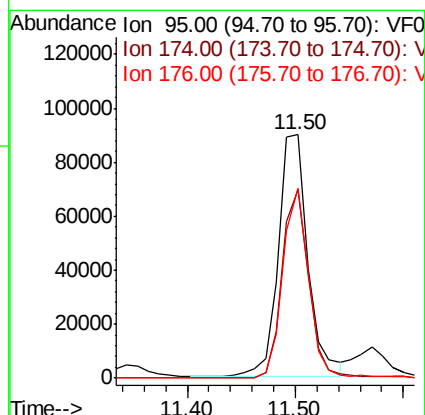
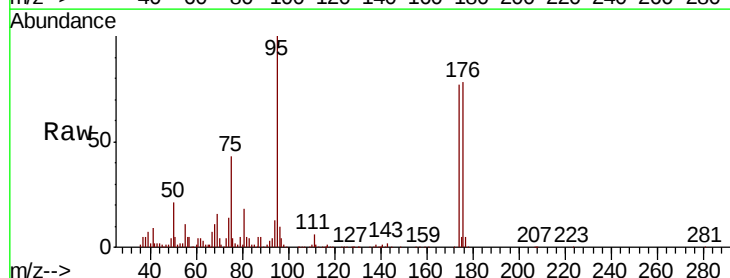
Tgt Ion: 95 Resp: 171521

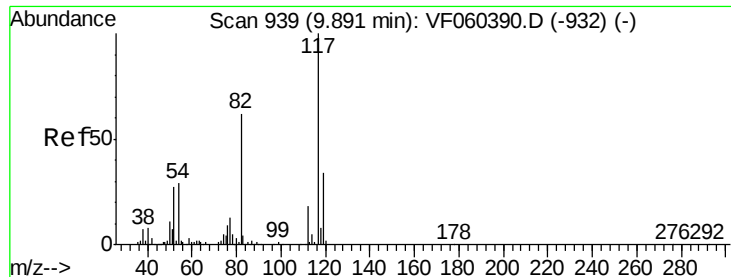
Ion Ratio Lower Upper

95 100

174 77.2 0.0 129.0

176 77.8 0.0 125.6

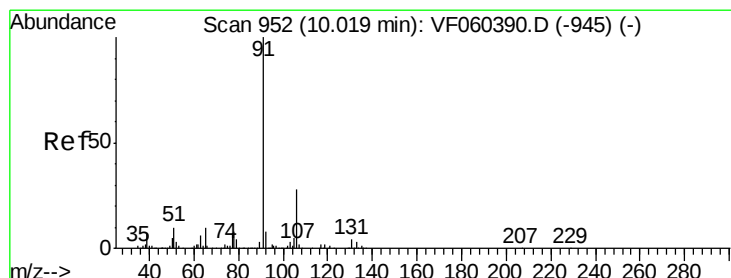
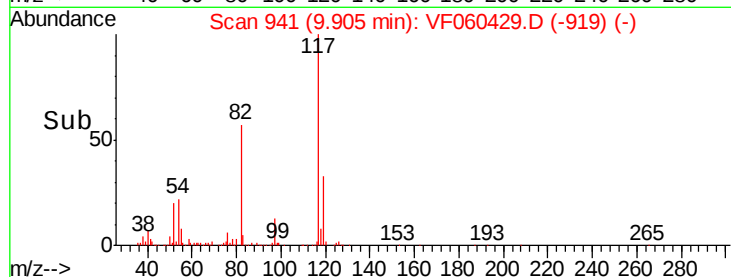
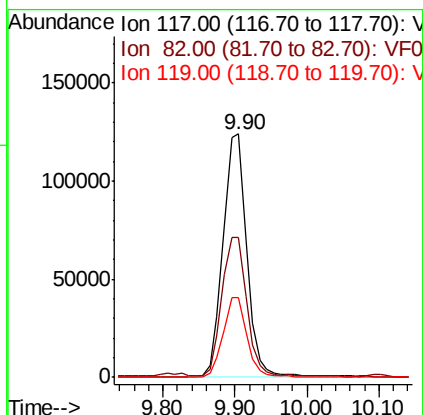
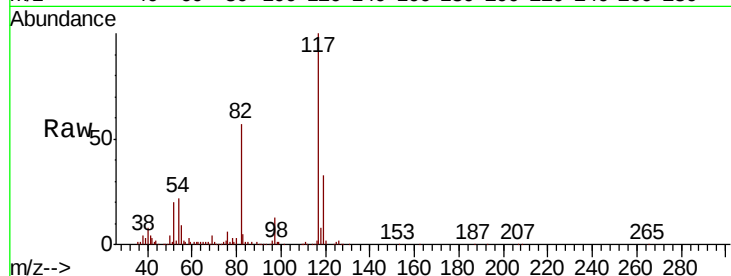




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

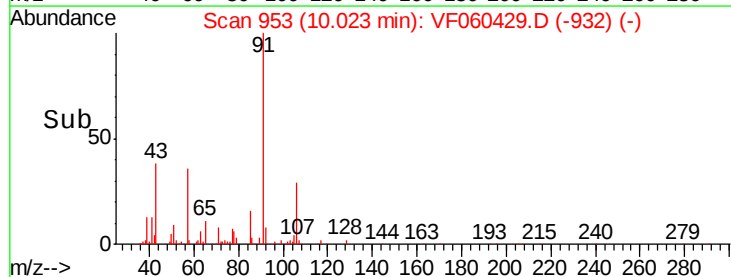
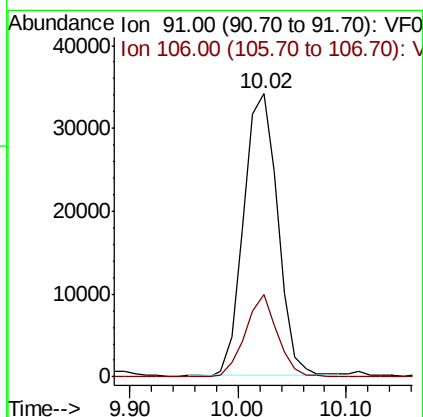
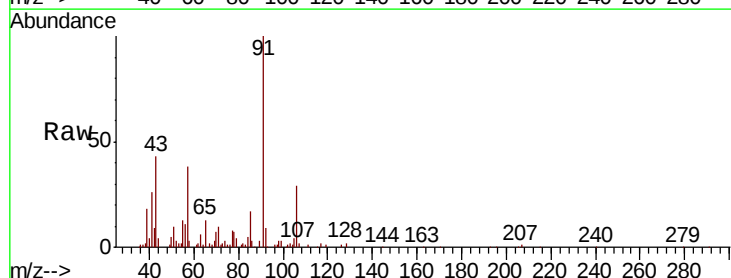
Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-C

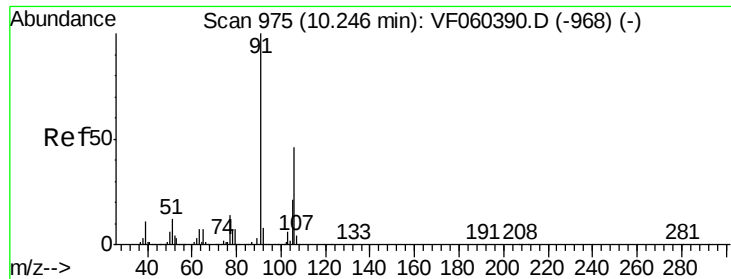
Tot Ion:117 Resp: 285017
Ion Ratio Lower Upper
117 100
82 57.3 49.5 74.3
119 33.0 27.0 40.6



#67
Ethyl Benzene
Concen: 6.729 ug/l
RT: 10.02 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

Tgt Ion: 91 Resp: 74904
Ion Ratio Lower Upper
91 100
106 29.0 22.5 33.7

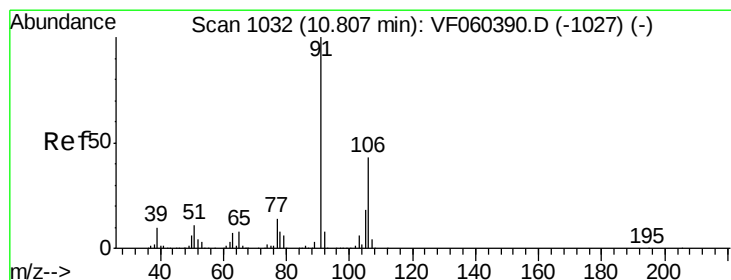
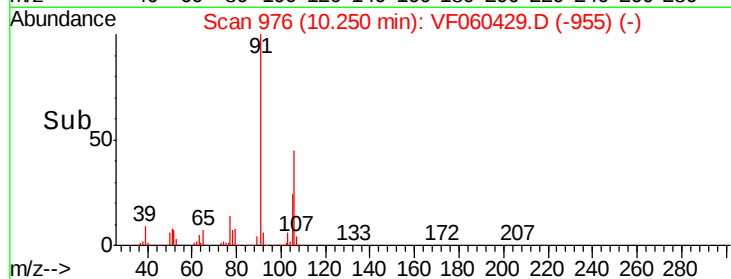
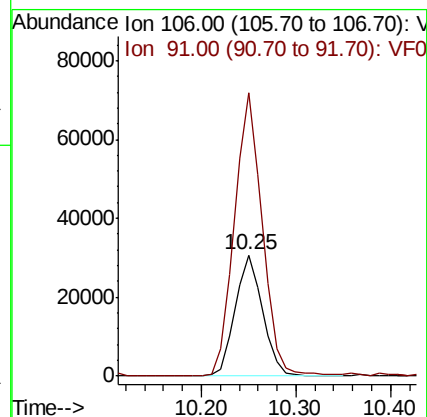
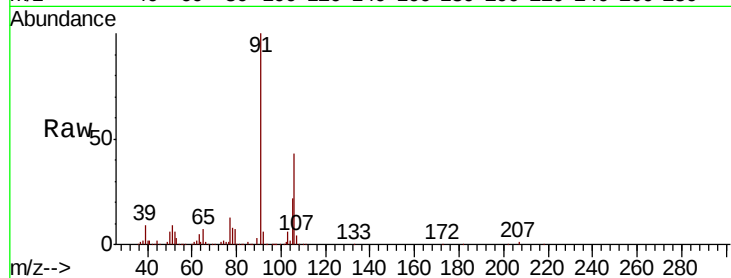




#68
m/p-Xylenes
Concen: 16.201 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

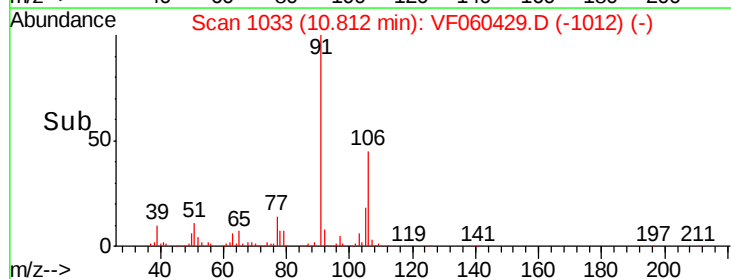
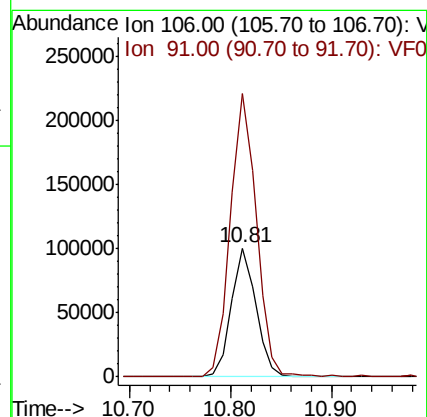
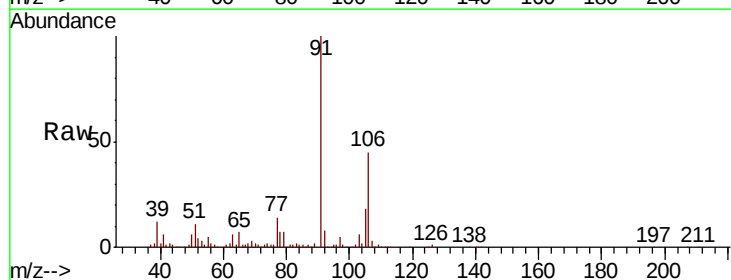
Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-C

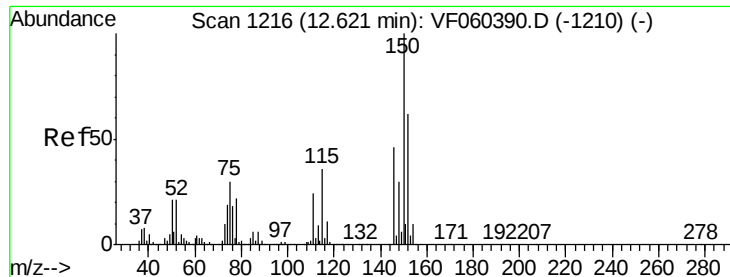
Tot Ion:106 Resp: 62001
Ion Ratio Lower Upper
106 100
91 233.7 175.0 262.6



#69
o-Xylene
Concen: 41.304 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

Tgt Ion:106 Resp: 172293
Ion Ratio Lower Upper
106 100
91 219.9 115.1 345.2



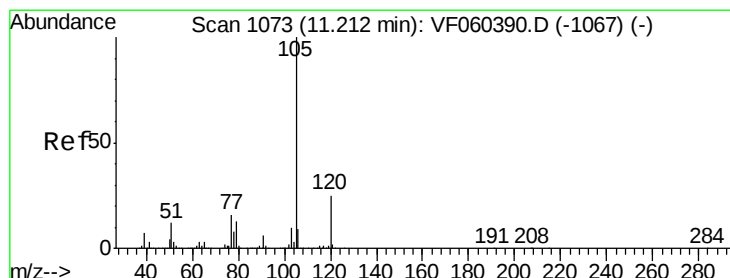
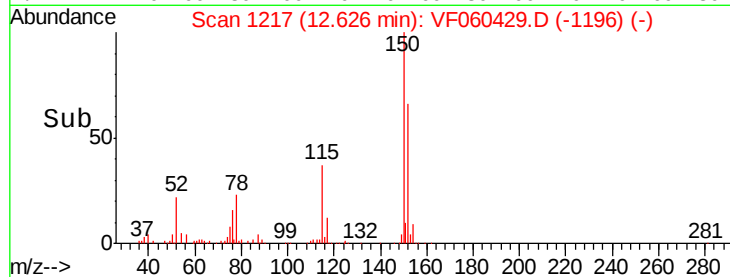
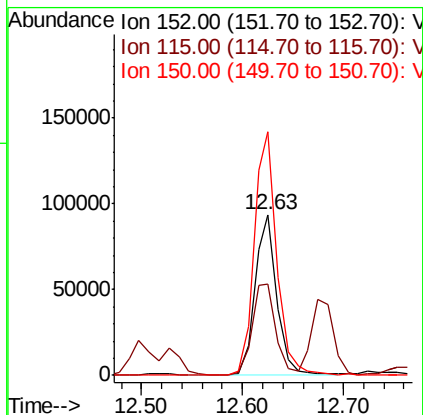
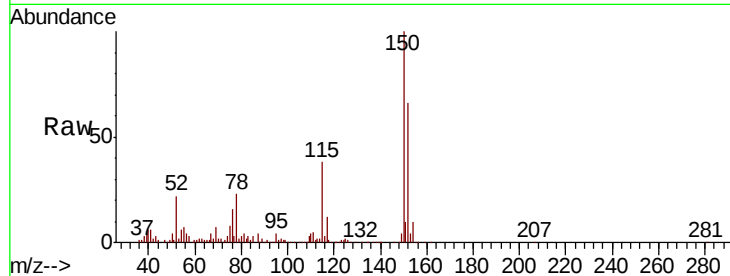


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-C

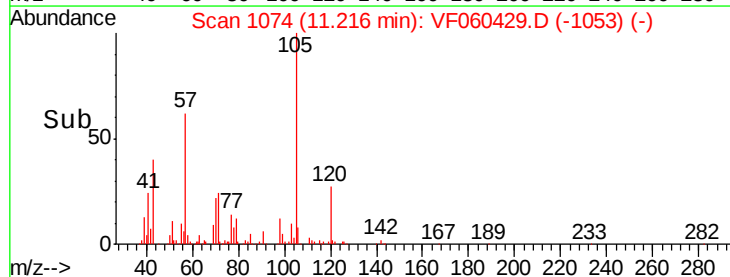
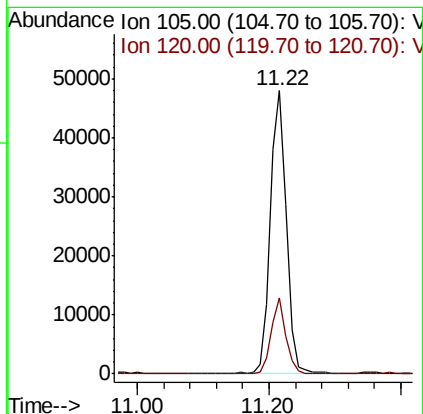
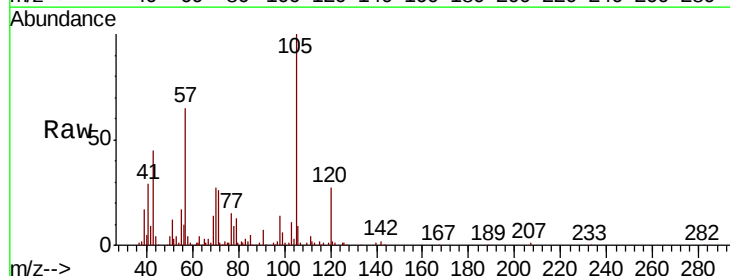
Tot Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.6	85.8
150	151.6	0.0	324.6

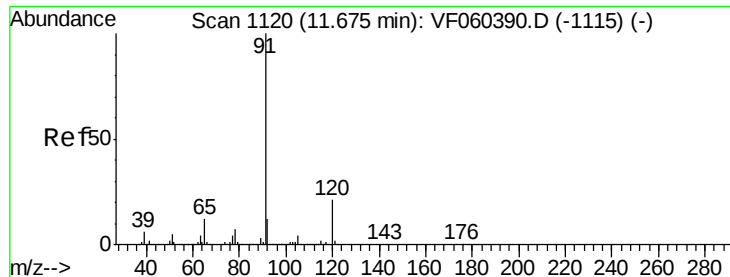


#73

Isopropylbenzene
Concen: 7.346 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	12.3	36.9





#78

n-propylbenzene

Concen: 16.454 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

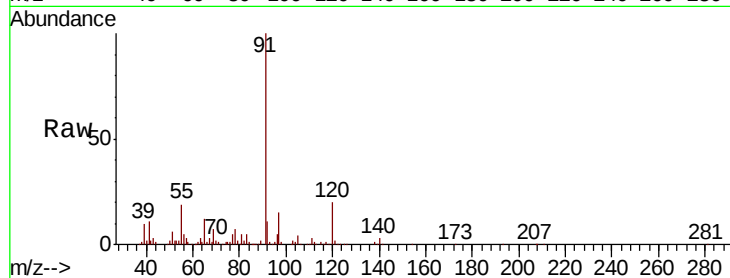
HR-06-100218-C

Tot Ion: 91 Resp: 224225

Ion Ratio Lower Upper

91 100

120 20.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

150000

110000

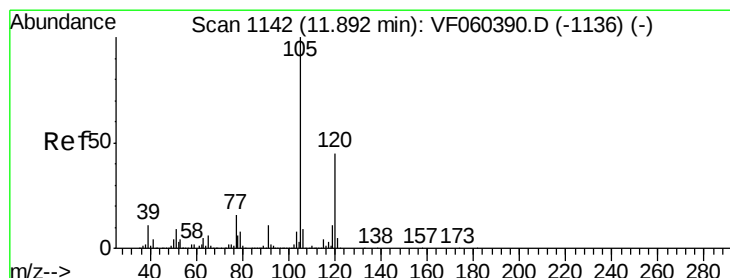
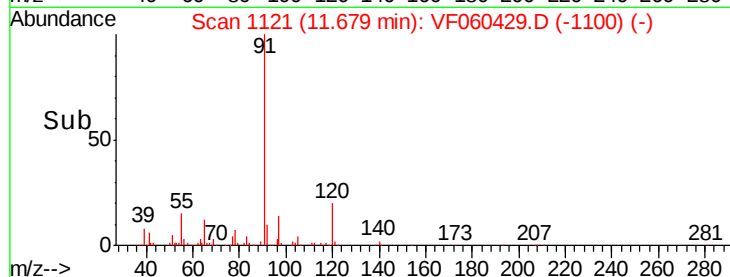
50000

0

Time-->

11.60

11.70



#80

1,3,5-Trimethylbenzene

Concen: 87.224 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060429.D

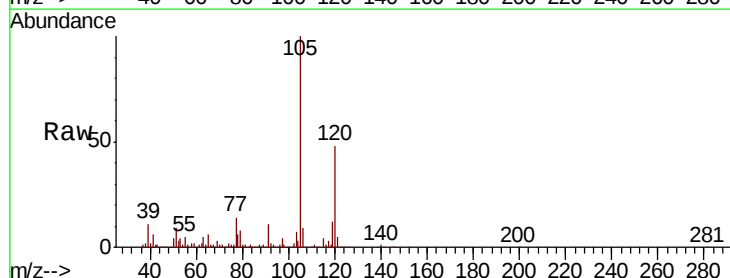
Acq: 3 Oct 2018 21:57

Tgt Ion: 105 Resp: 833045

Ion Ratio Lower Upper

105 100

120 47.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

0

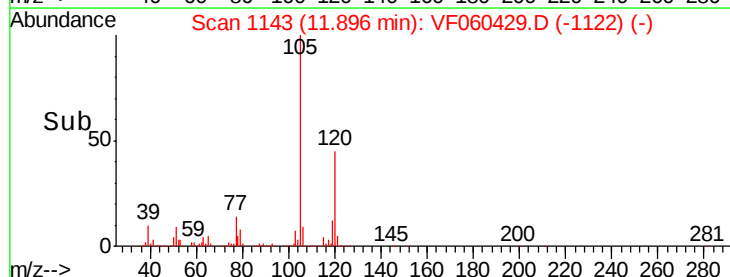
Time-->

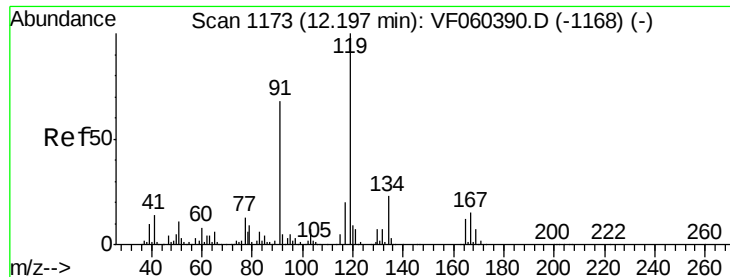
11.80

11.90

12.00

12.10

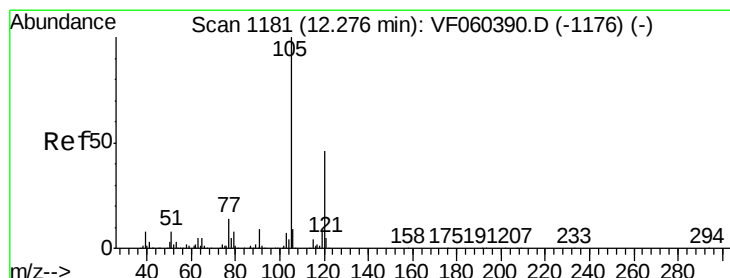
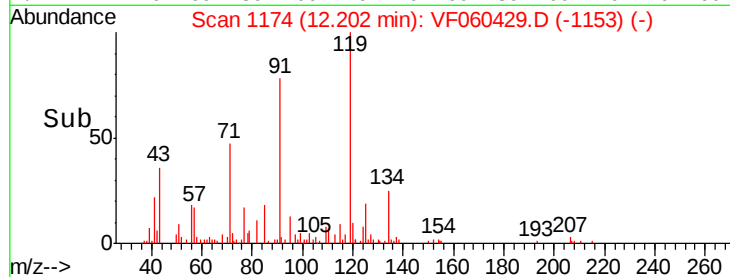
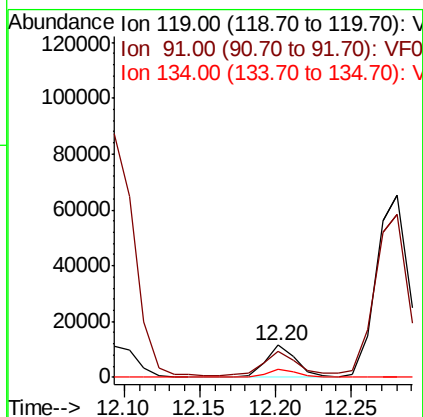
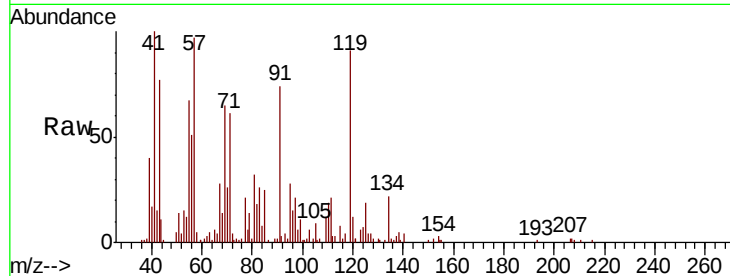




#83
tert-Butylbenzene
Concen: 1.751 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

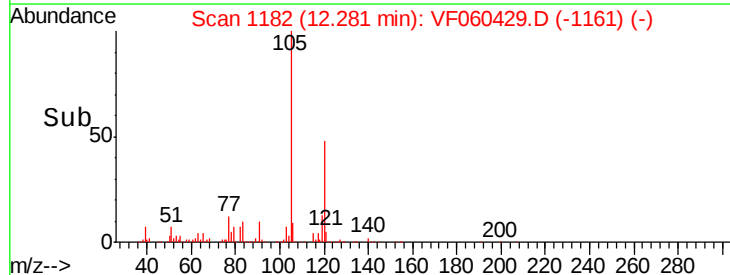
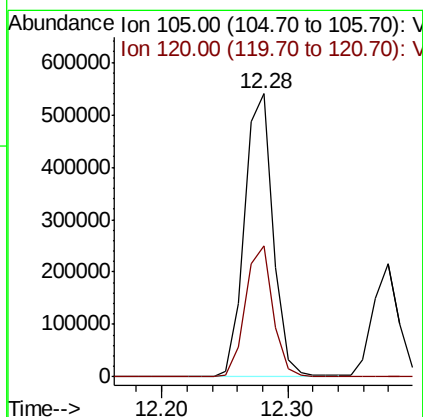
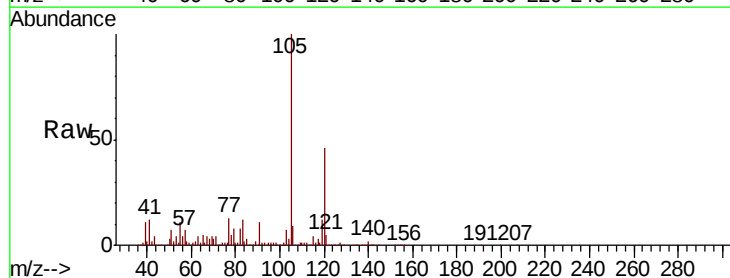
Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-C

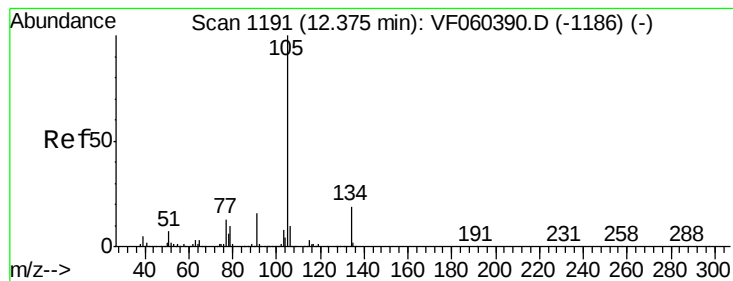
Tot Ion:119 Resp: 16496
Ion Ratio Lower Upper
119 100
91 81.0 34.0 102.0
134 23.8 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 89.079 ug/l
RT: 12.28 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

Tgt Ion:105 Resp: 843723
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.2





#85

sec-Butylbenzene

Concen: 23.859 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

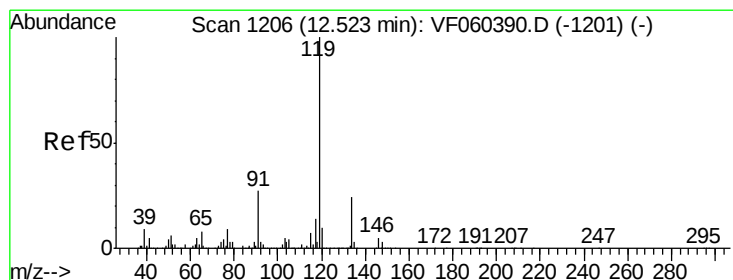
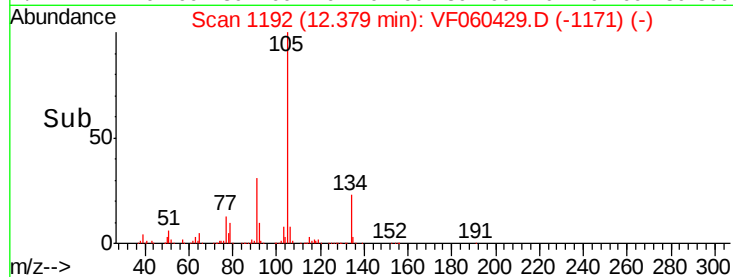
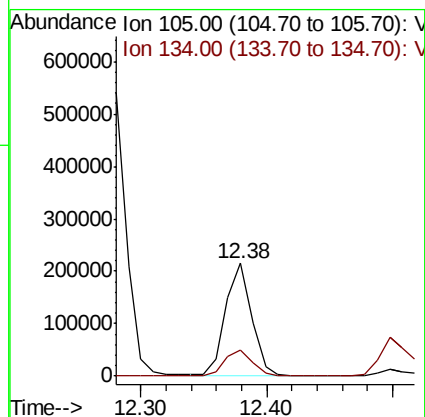
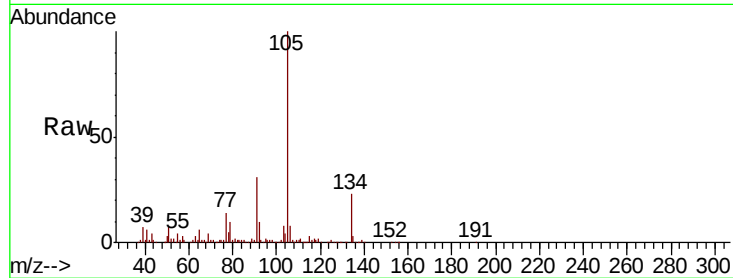
HR-06-100218-C

Tot Ion:105 Resp: 310222

Ion Ratio Lower Upper

105 100

134 22.8 9.4 28.3



#86

p-Isopropyltoluene

Concen: 65.550 ug/l

RT: 12.50 min Scan# 1204

Delta R.T. -0.03 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

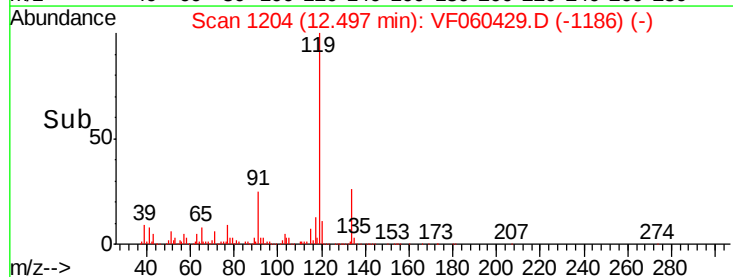
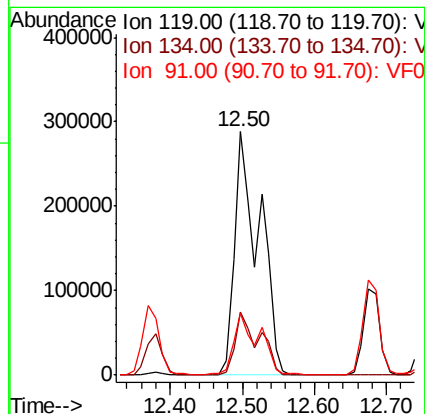
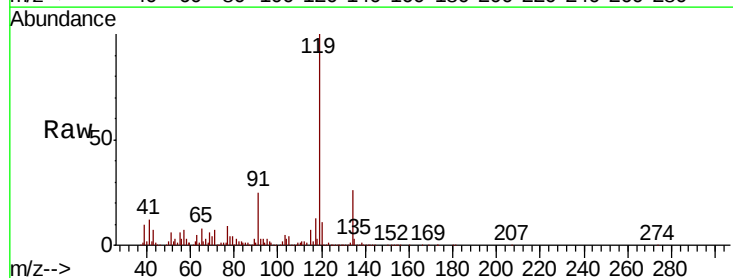
Tgt Ion:119 Resp: 696321

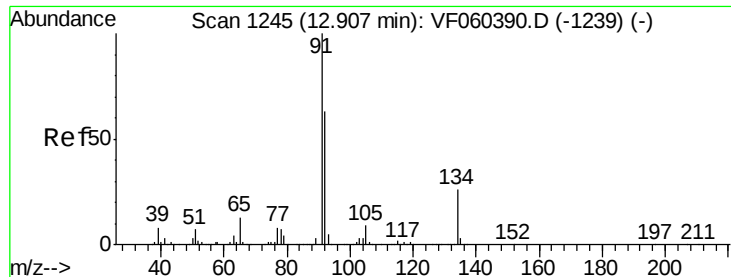
Ion Ratio Lower Upper

119 100

134 25.9 12.3 36.8

91 25.3 13.5 40.4





#89

n-Butylbenzene

Concen: 34.097 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

HR-06-100218-C

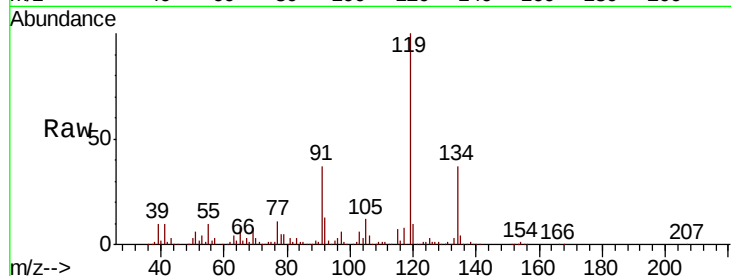
Tot Ion: 91 Resp: 383281

Ion Ratio Lower Upper

91 100

92 35.6 31.3 93.9

134 101.3 13.0 38.9#

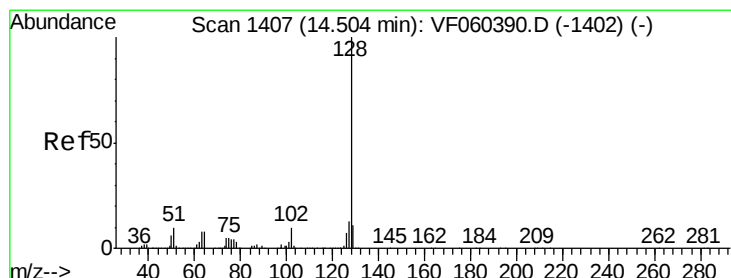
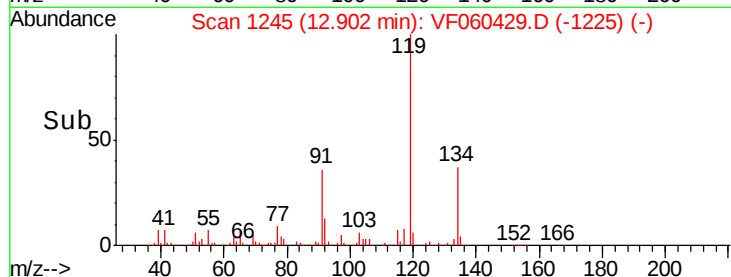
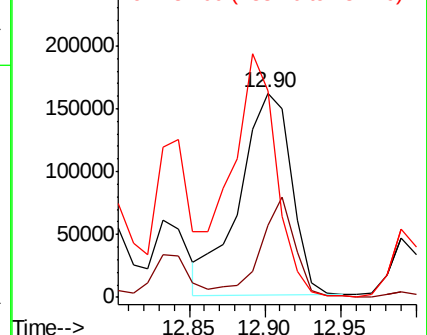


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 41.466 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.01 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

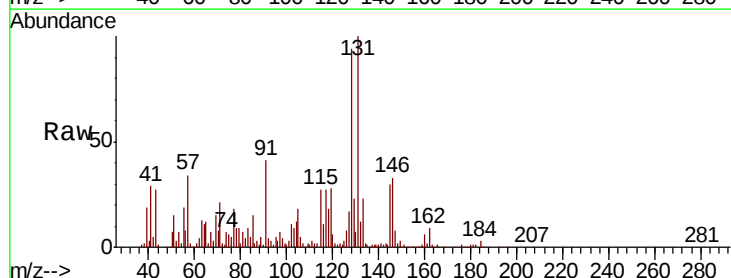
Tgt Ion: 128 Resp: 251056

Ion Ratio Lower Upper

128 100

127 17.7 10.0 15.0#

129 24.6 8.7 13.1#



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

