

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060795.D
 Acq On : 20 Nov 2018 00:19
 Operator : VA/AP
 Sample : J5860-24RE
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP2-SB-111(14-16)

Quant Time: Nov 20 02:22:29 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

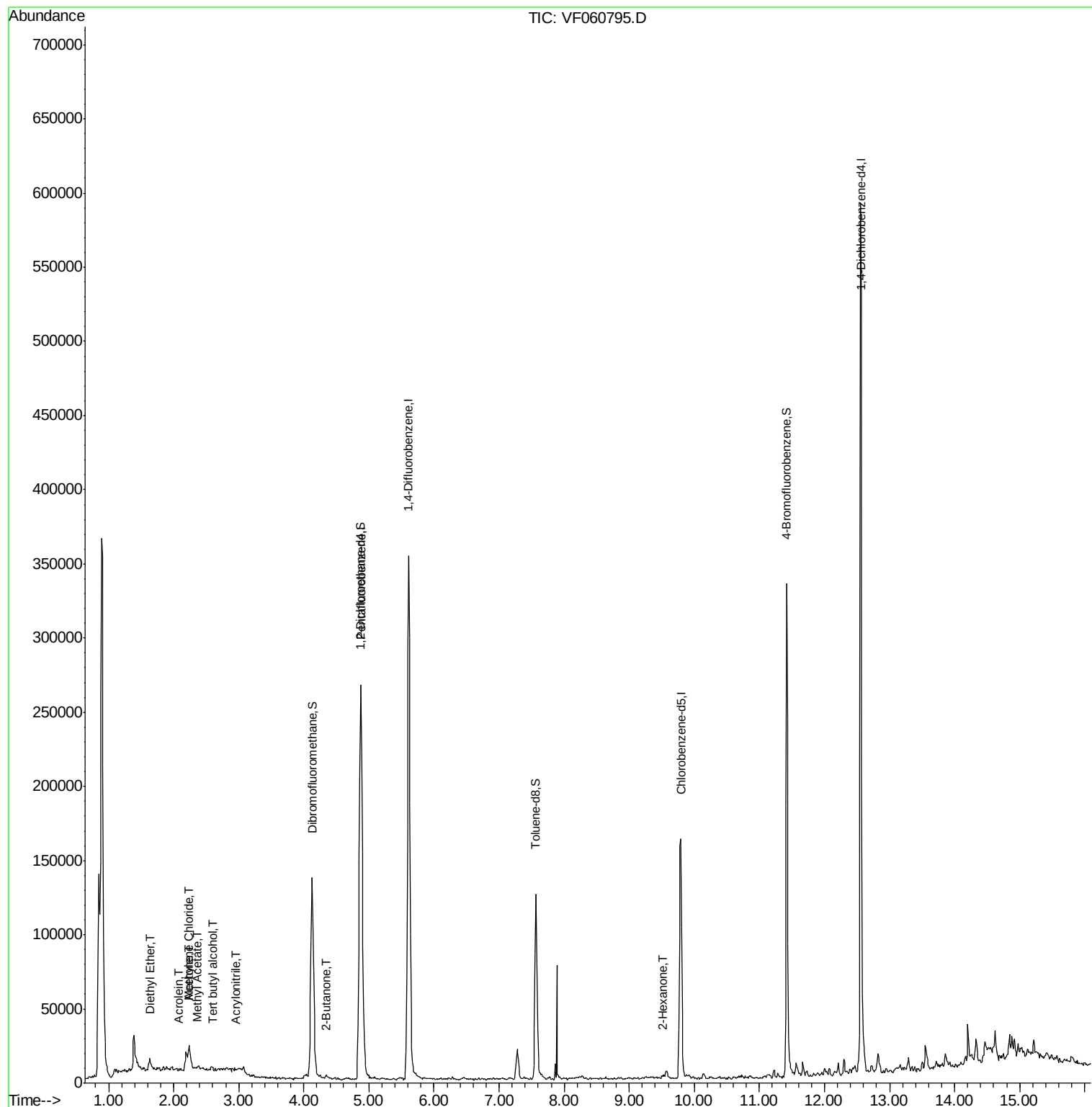
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	199170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	394216	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	120186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	158364	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	112088	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
35) Dibromofluoromethane	4.13	113	131388	44.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.68%	
50) Toluene-d8	7.56	98	109657	11.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	23.20%	
62) 4-Bromofluorobenzene	11.42	95	125013	34.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.78%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.63	74	1757	3.136	ug/l	83
11) Tert butyl alcohol	2.60	59	1528	14.779	ug/l #	61
13) Acrolein	2.09	56	478	5.056	ug/l	87
15) Acrylonitrile	2.96	53	607	2.755	ug/l #	67
16) Acetone	2.25	43	14093	29.023	ug/l #	88
18) Methyl Acetate	2.35	43	3214	4.031	ug/l #	86
20) Methylene Chloride	2.24	84	10940	4.156	ug/l #	77
25) 2-Butanone	4.35	43	4111	5.147	ug/l	96
41) Methacrylonitrile	4.75	41	634	Below Cal	#	26
59) 2-Hexanone	9.52	43	1872	1.634	ug/l	75

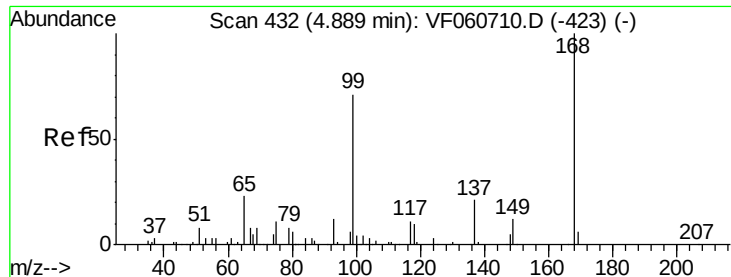
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111918\
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MSVOA_F
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EP2-SB-111(14-16)

Quant Time: Nov 20 02:22:29 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: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060795.D

Acq: 20 Nov 2018 00:19

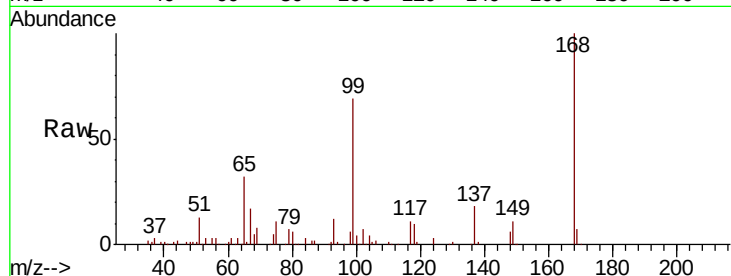
Instrument :
MSVOA_F
ClientSampleId :
EP2-SB-111(14-16)

Tot Ion:168 Resp: 199170

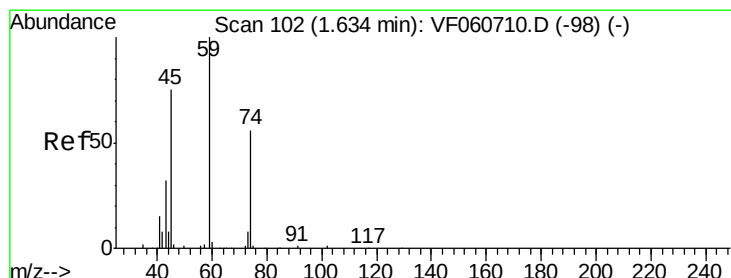
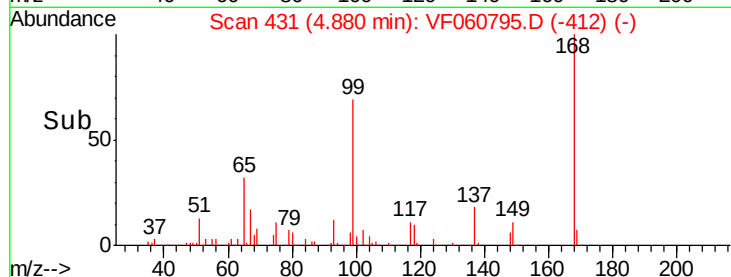
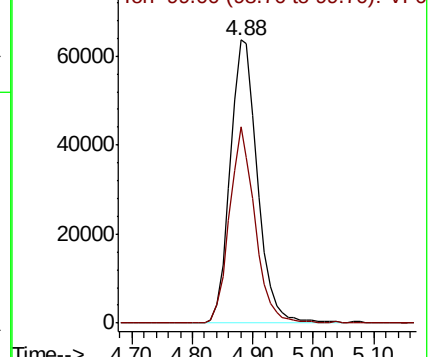
Ion Ratio Lower Upper

168 100

99 69.2 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0



#8

Diethyl Ether

Concen: 3.136 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060795.D

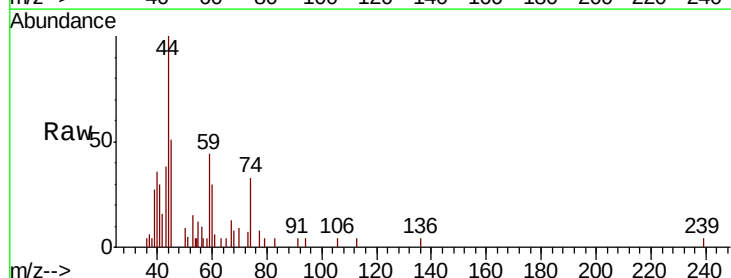
Acq: 20 Nov 2018 00:19

Tgt Ion: 74 Resp: 1757

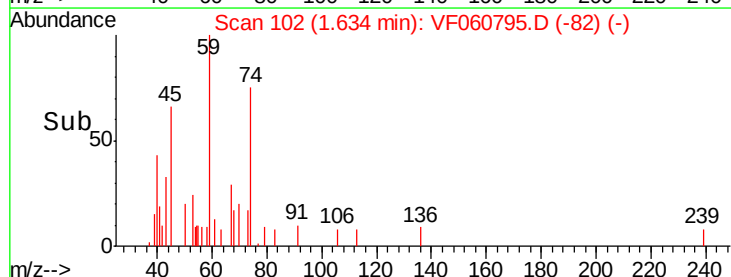
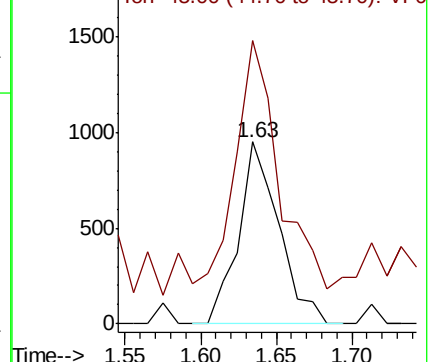
Ion Ratio Lower Upper

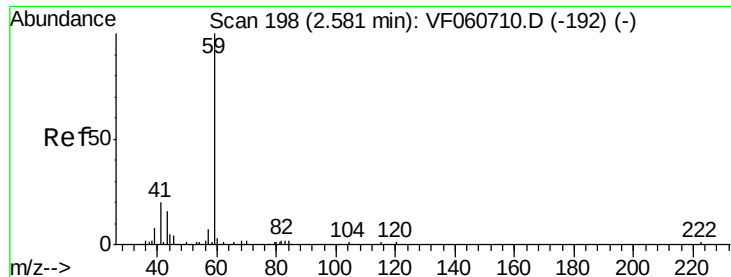
74 100

45 155.8 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0



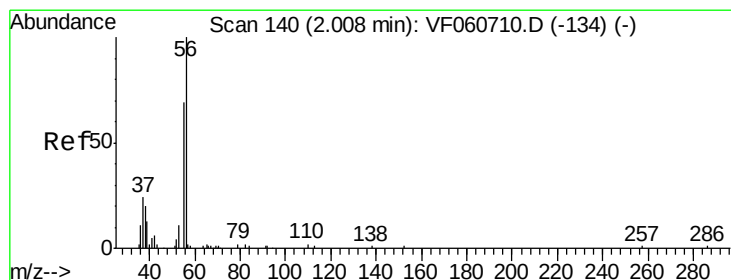
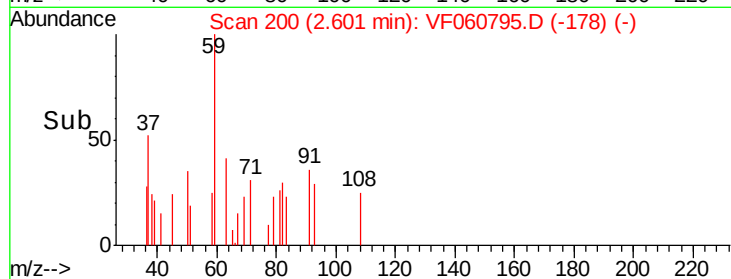
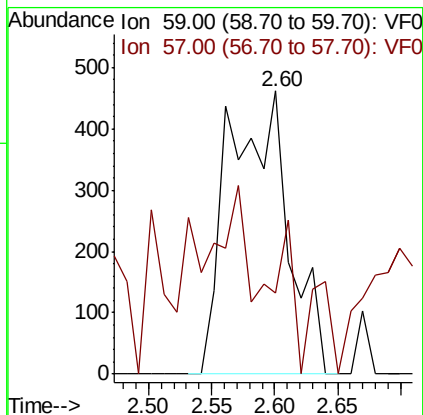
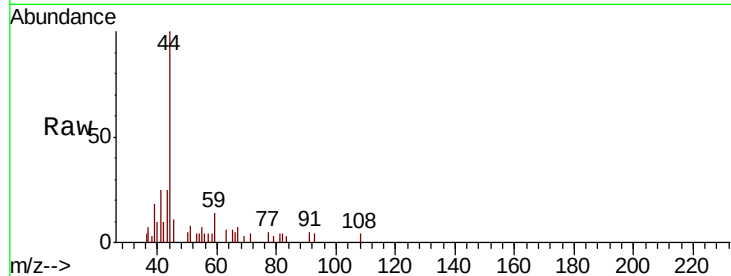


#11

Tert butyl alcohol
Concen: 14.779 ug/l
RT: 2.60 min Scan# 200
Delta R.T. 0.02 min
Lab File: VF060795.D
Acq: 20 Nov 2018 00:19

Instrument :
MSVOA_F
ClientSampleId :
EP2-SB-111(14-16)

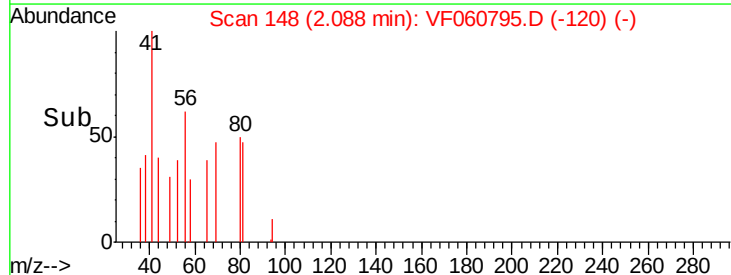
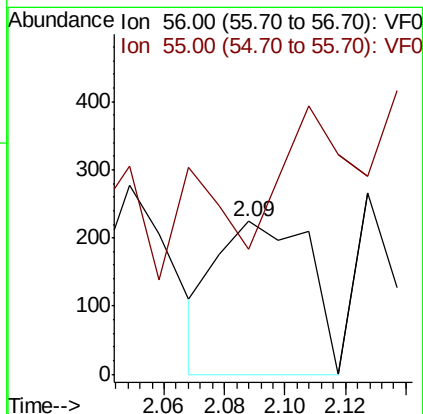
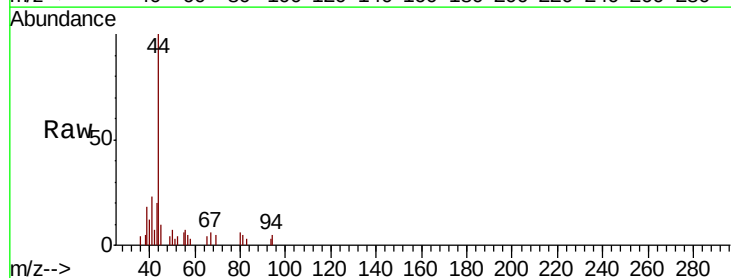
Tot Ion: 59 Resp: 1528
Ion Ratio Lower Upper
59 100
57 28.8 10.5 15.7#

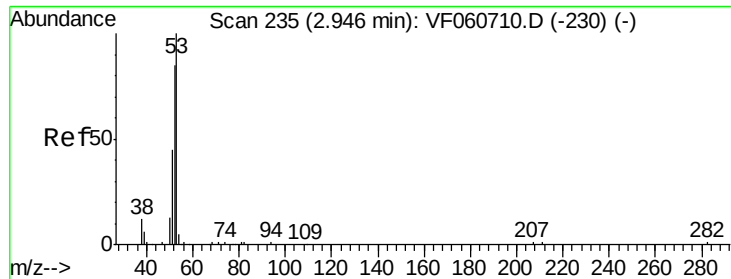


#13

Acrolein
Concen: 5.056 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.08 min
Lab File: VF060795.D
Acq: 20 Nov 2018 00:19

Tgt Ion: 56 Resp: 478
Ion Ratio Lower Upper
56 100
55 81.7 56.6 85.0





#15

Acrylonitrile

Concen: 2.755 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF060795.D

Acq: 20 Nov 2018 00:19

Instrument :

MSVOA_F

ClientSampleId :

EP2-SB-111(14-16)

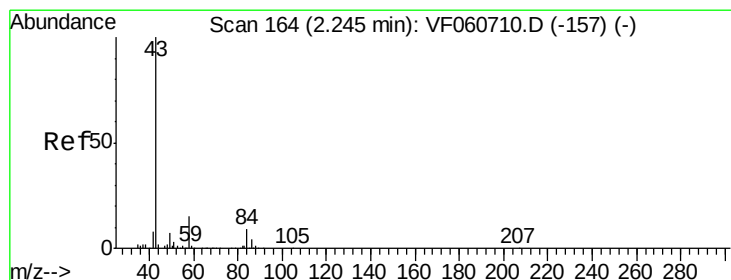
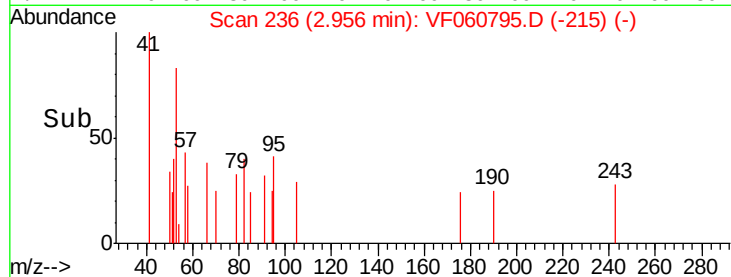
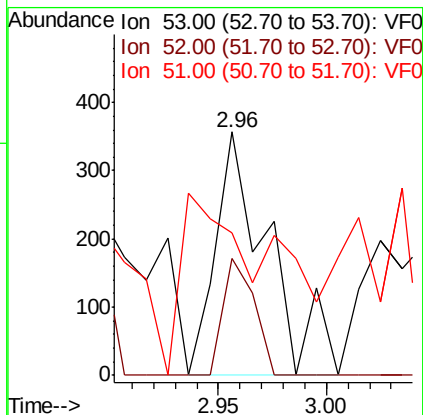
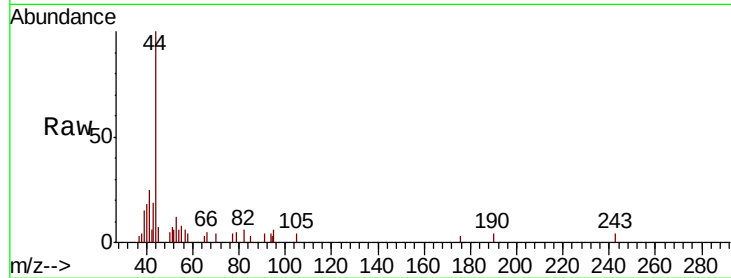
Tot Ion: 53 Resp: 607

Ion Ratio Lower Upper

53 100

52 48.2 68.8 103.2#

51 58.3 36.7 55.1#



#16

Acetone

Concen: 29.023 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.00 min

Lab File: VF060795.D

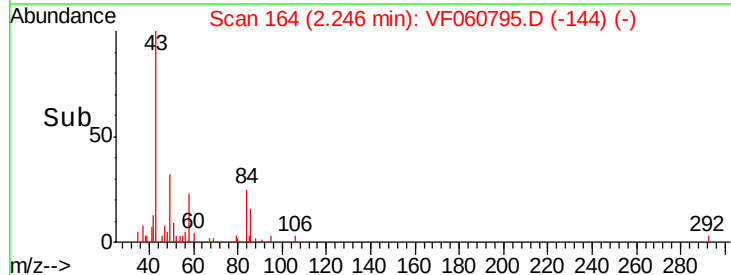
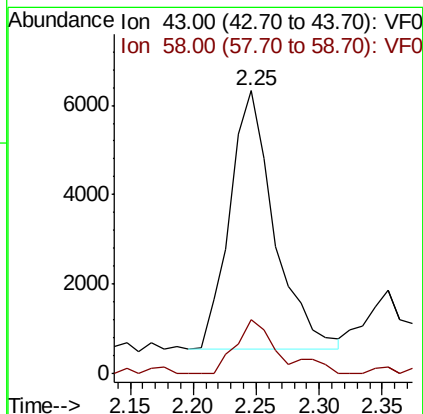
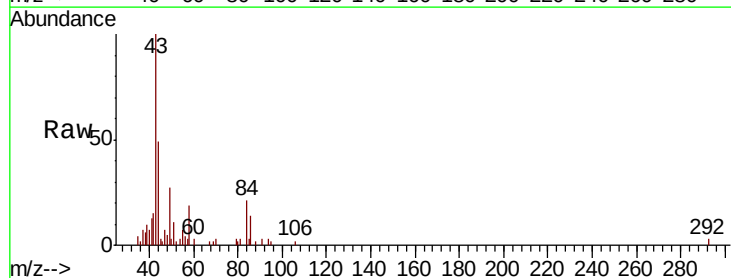
Acq: 20 Nov 2018 00:19

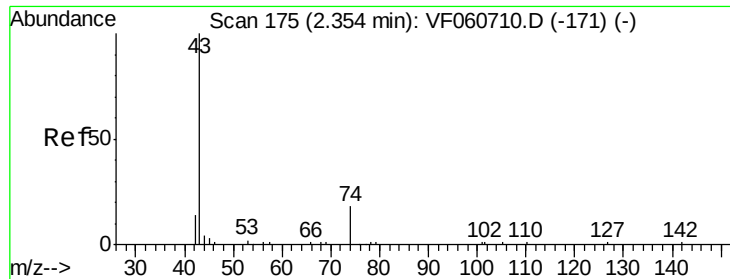
Tgt Ion: 43 Resp: 14093

Ion Ratio Lower Upper

43 100

58 19.3 11.6 17.4#

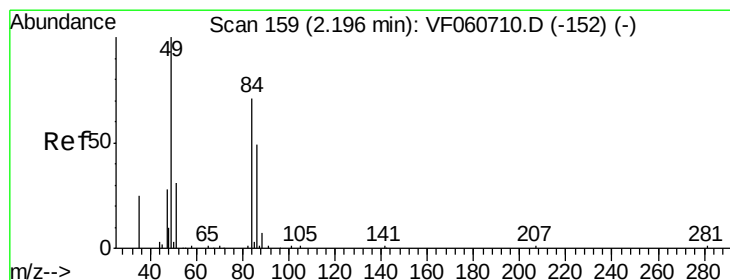
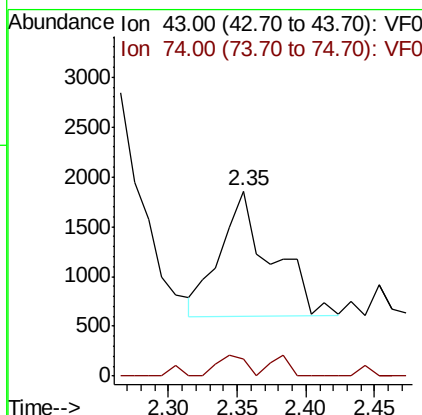
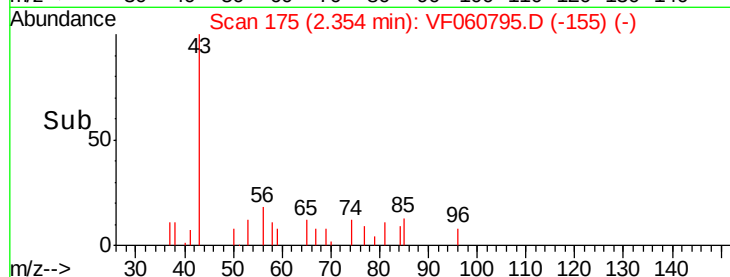
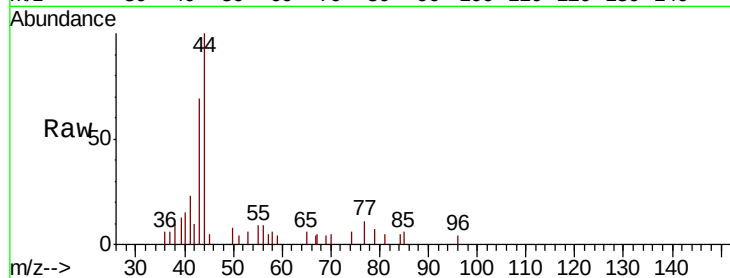




#18
Methvl Acetate
Concen: 4.031 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF060795.D
Acq: 20 Nov 2018 00:19

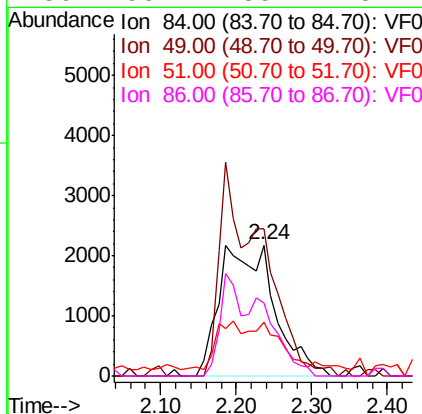
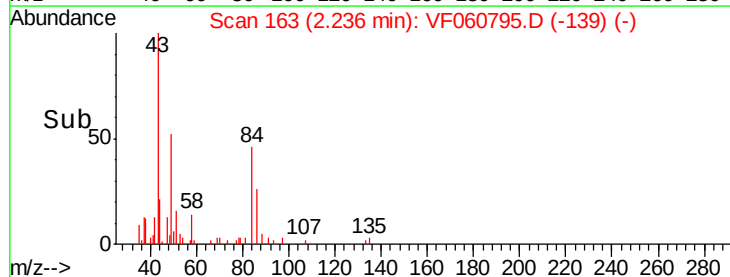
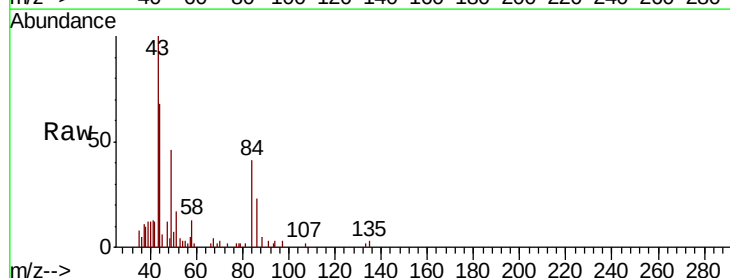
Instrument :
MSVOA_F
ClientSampleId :
EP2-SB-111(14-16)

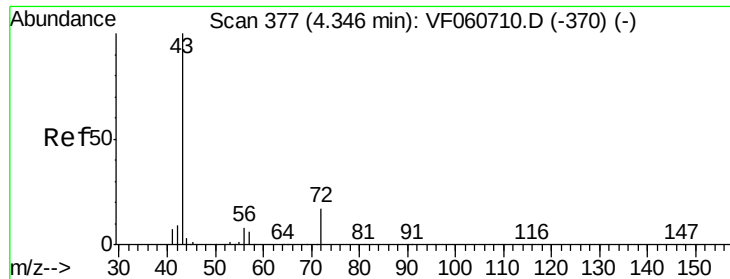
Tot Ion: 43 Resp: 3214
Ion Ratio Lower Upper
43 100
74 9.0 11.8 17.8#



#20
Methylene Chloride
Concen: 4.156 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.04 min
Lab File: VF060795.D
Acq: 20 Nov 2018 00:19

Tgt Ion: 84 Resp: 10940
Ion Ratio Lower Upper
84 100
49 112.0 120.2 180.4#
51 40.6 37.2 55.8
86 55.7 55.1 82.7





#25

2-Butanone

Concen: 5.147 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF060795.D

Acq: 20 Nov 2018 00:19

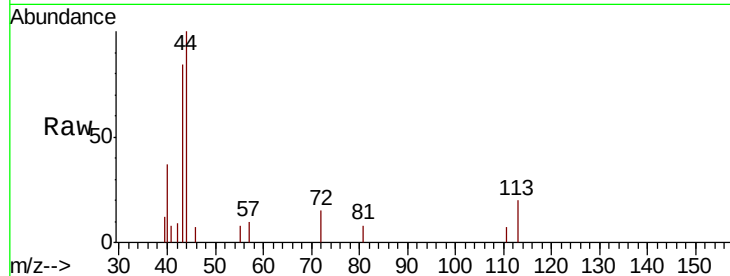
Instrument :
MSVOA_F
ClientSampleId :
EP2-SB-111(14-16)

Tot Ion: 43 Resp: 4111

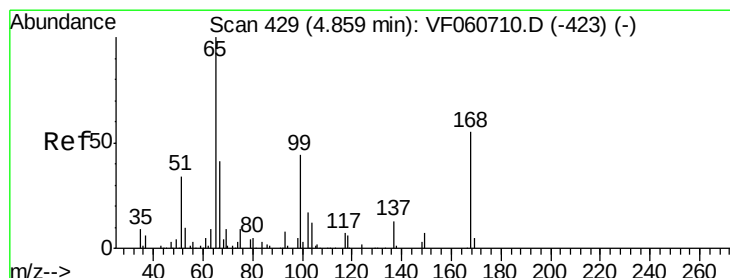
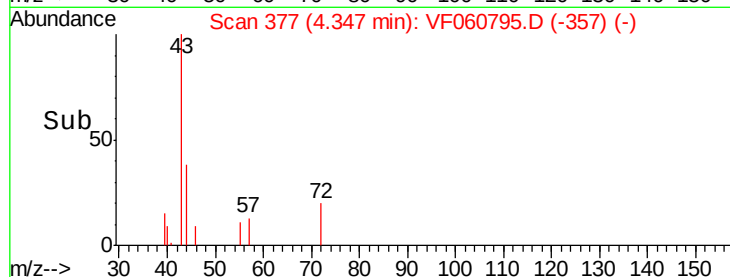
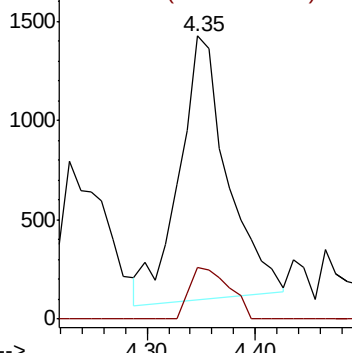
Ion Ratio Lower Upper

43 100

72 18.1 16.1 24.1



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: 49.340 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF060795.D

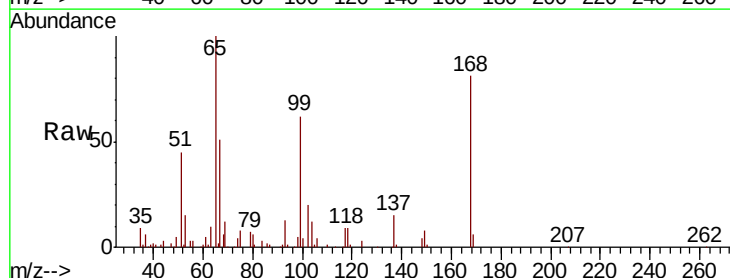
Acq: 20 Nov 2018 00:19

Tgt Ion: 65 Resp: 112088

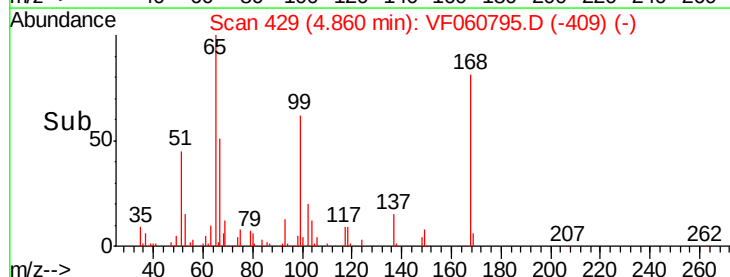
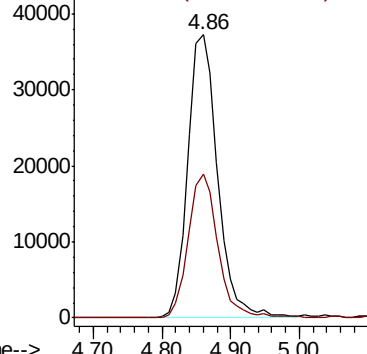
Ion Ratio Lower Upper

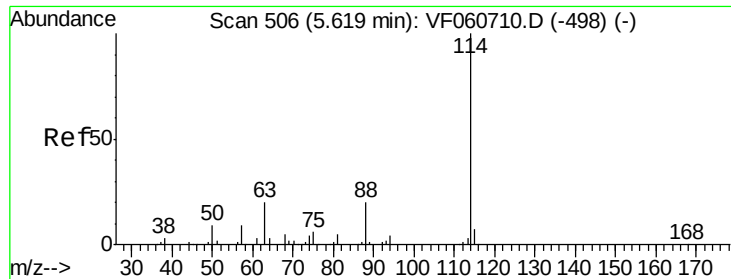
65 100

67 50.8 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060795.D

Acq: 20 Nov 2018 00:19

Instrument :

MSVOA_F

ClientSampleId :

EP2-SB-111(14-16)

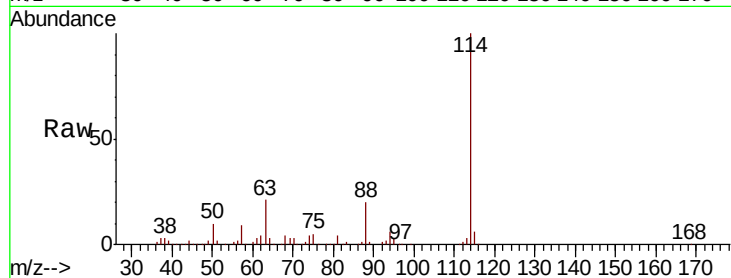
Tot Ion:114 Resp: 394216

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 19.6 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

5.61

150000

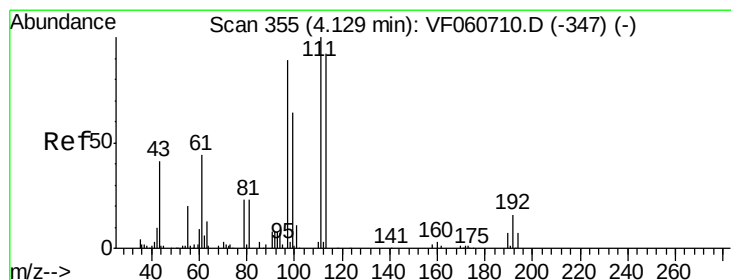
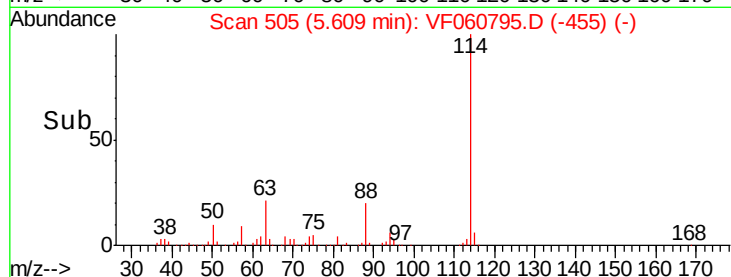
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#35

Dibromofluoromethane

Concen: 44.339 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF060795.D

Acq: 20 Nov 2018 00:19

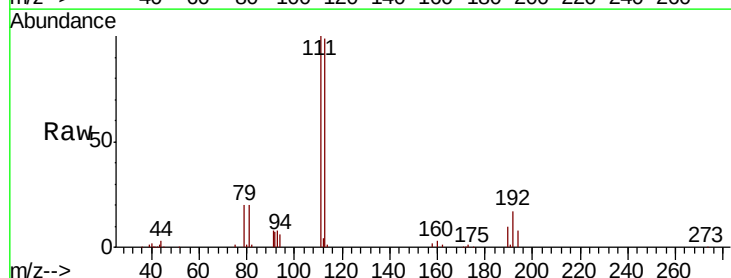
Tgt Ion:113 Resp: 131388

Ion Ratio Lower Upper

113 100

111 100.7 87.1 130.7

192 17.2 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

4.13

50000

40000

30000

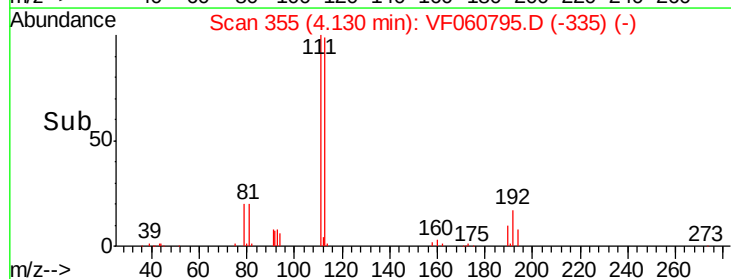
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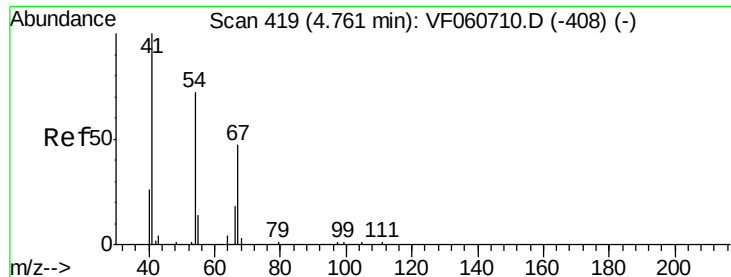
10000

0

Time-->

4.00 4.10 4.20 4.30





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF060795.D

Acq: 20 Nov 2018 00:19

Instrument :

MSVOA_F

ClientSampleId :

EP2-SB-111(14-16)

Tot Ion: 41 Resp: 634

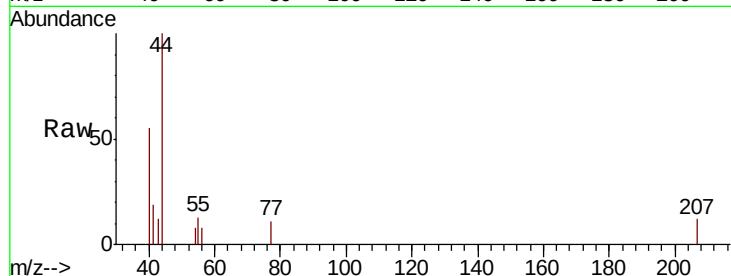
Ion Ratio Lower Upper

41 100

39 0.0 47.1 70.7#

67 0.0 37.1 55.7#

52 0.0 39.3 58.9#

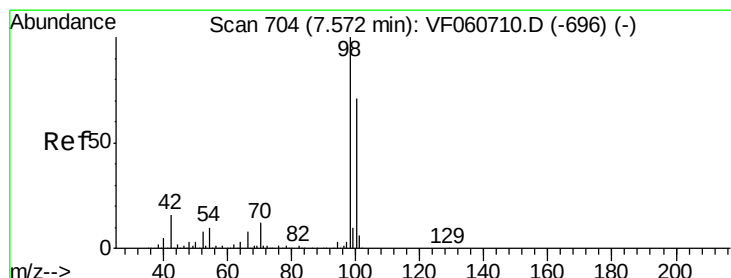
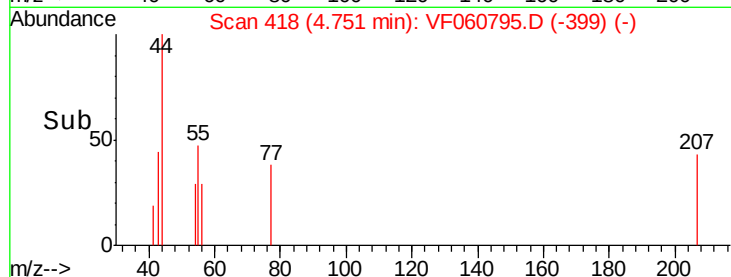
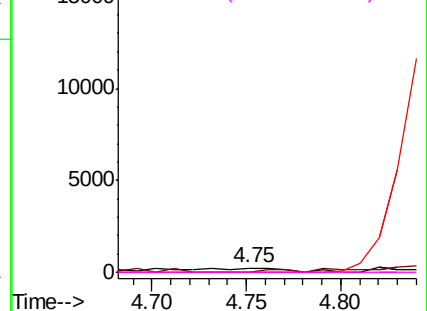


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#50

Toluene-d8

Concen: 11.597 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060795.D

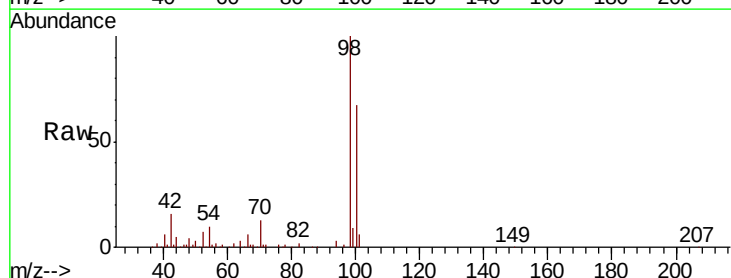
Acq: 20 Nov 2018 00:19

Tgt Ion: 98 Resp: 109657

Ion Ratio Lower Upper

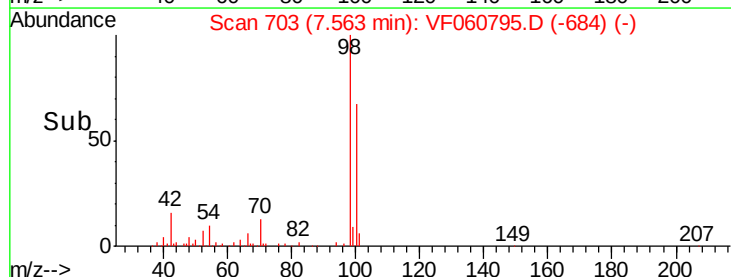
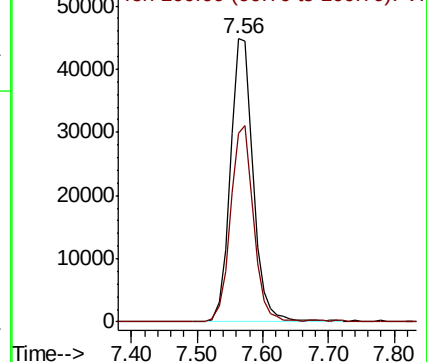
98 100

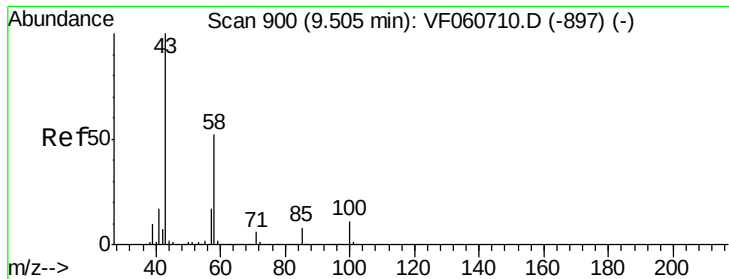
100 66.9 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

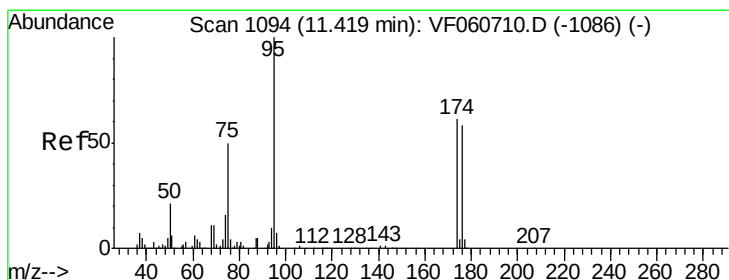
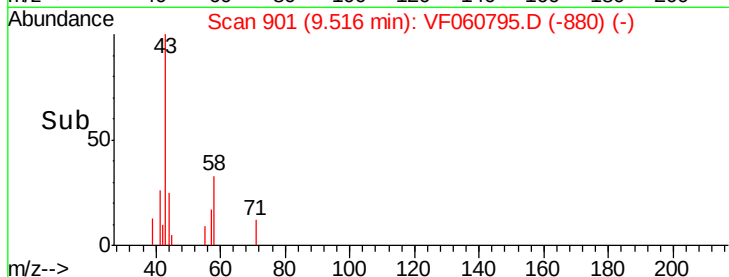
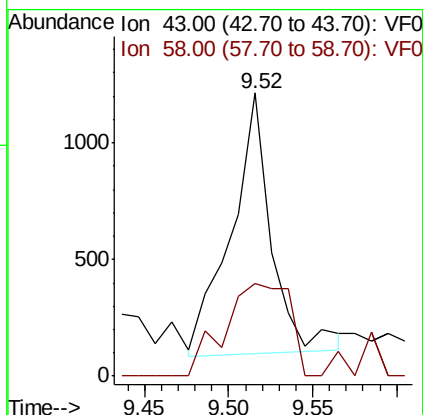
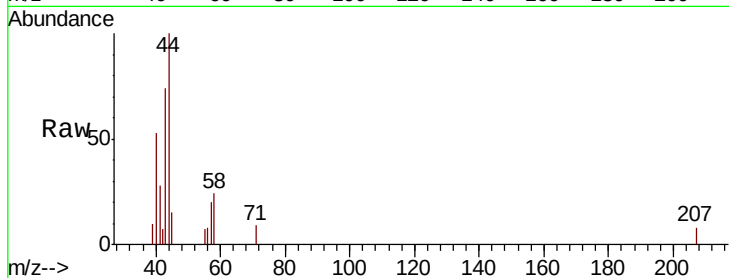




#59
2-Hexanone
Concen: 1.634 ug/l
RT: 9.52 min Scan# 901
Delta R.T. 0.01 min
Lab File: VF060795.D
Acq: 20 Nov 2018 00:19

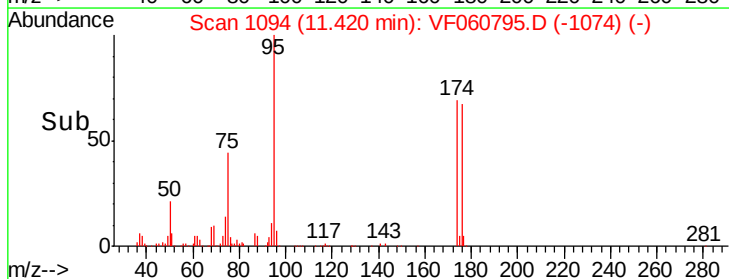
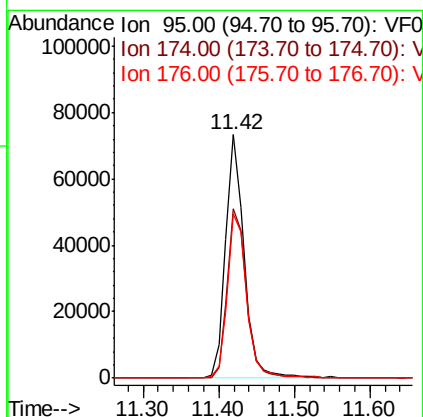
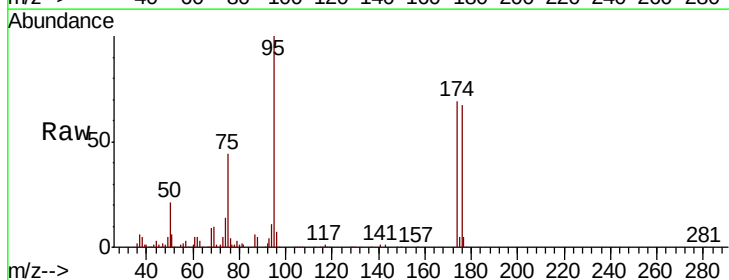
Instrument :
MSVOA_F
ClientSampleId :
EP2-SB-111(14-16)

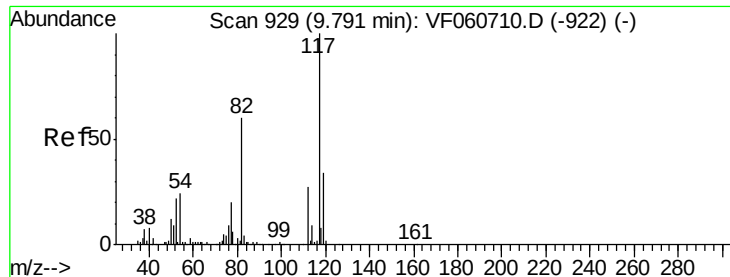
Tot Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
58 32.6 24.9 74.7



#62
4-Bromofluorobenzene
Concen: 34.386 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF060795.D
Acq: 20 Nov 2018 00:19

Tgt Ion: 95 Resp: 125013
Ion Ratio Lower Upper
95 100
174 69.4 0.0 121.6
176 67.3 0.0 115.2

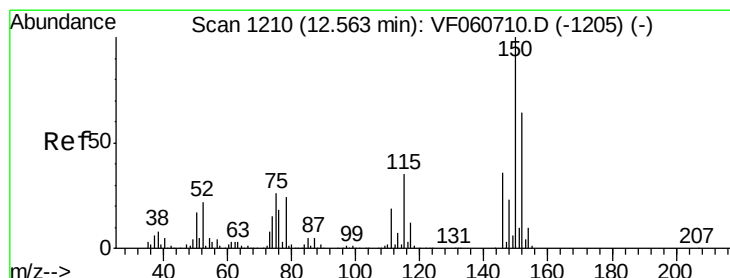
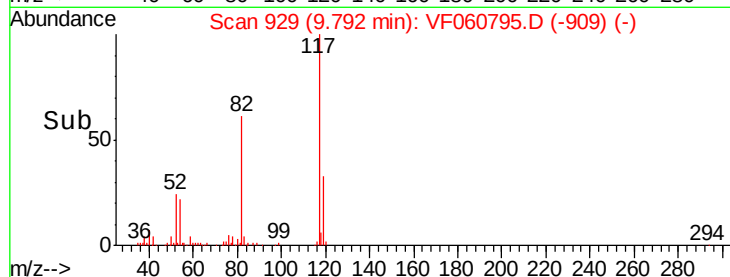
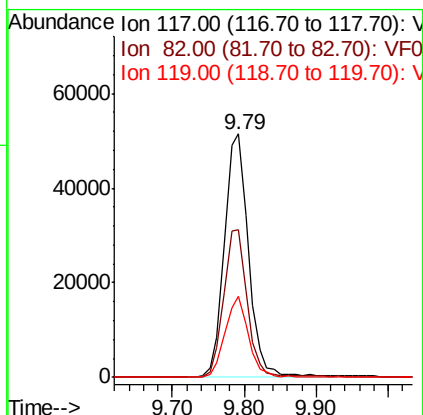
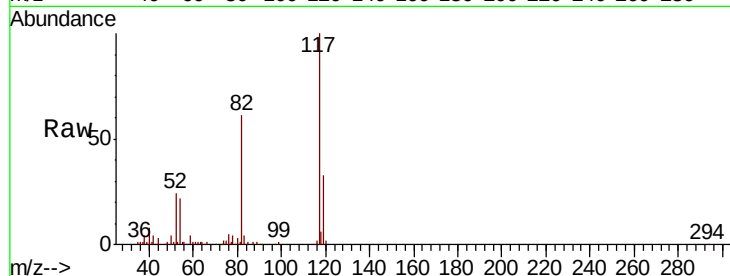




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF060795.D
Acq: 20 Nov 2018 00:19

Instrument :
MSVOA_F
ClientSampleId :
EP2-SB-111(14-16)

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.9	71.9
119	33.3	26.8	40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VF060795.D
Acq: 20 Nov 2018 00:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.5	27.9	83.7
150	151.0	0.0	316.4

