

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
 Data File : VF060730.D
 Acq On : 14 Nov 2018 17:59
 Operator : VA/AP
 Sample : J5770-03RE
 Misc : 6.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Nov 15 06:38:13 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	265472	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	470804	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.75	117	433696	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	228138	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	115180	38.04	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	76.08%	
35) Dibromofluoromethane	4.09	113	140651	39.74	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	79.48%	
50) Toluene-d8	7.53	98	356185	38.37	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	76.74%	
62) 4-Bromofluorobenzene	11.40	95	174841	41.02	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	82.04%	

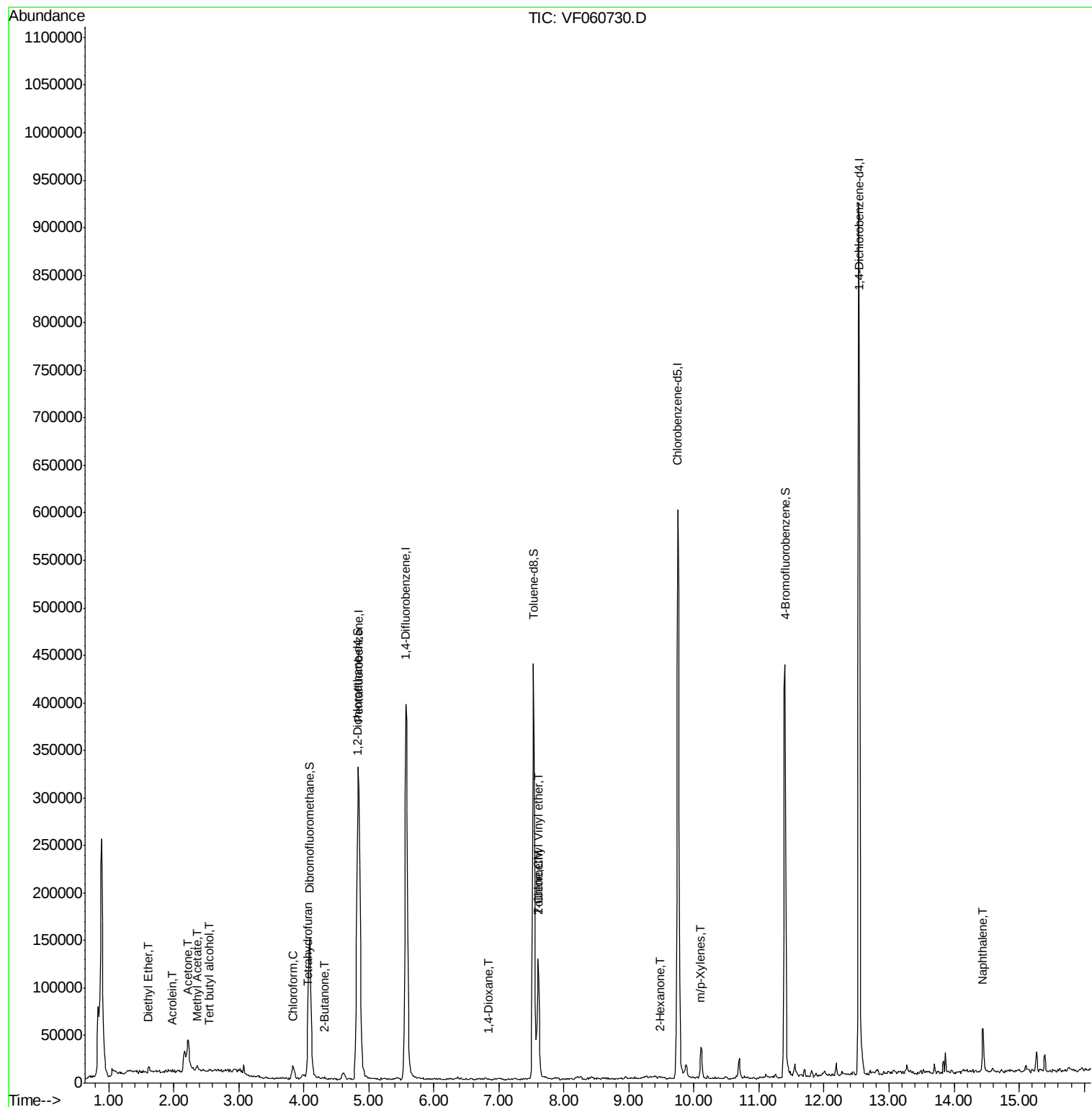
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.61	74	1524	2.041	ug/l	85
11) Tert butyl alcohol	2.55	59	981	7.119	ug/l #	7
13) Acrolein	1.99	56	275	2.182	ug/l #	43
16) Acetone	2.23	43	42515	65.689	ug/l	98
18) Methyl Acetate	2.35	43	2659	2.502	ug/l #	87
25) 2-Butanone	4.32	43	4116	3.866	ug/l #	84
29) Tetrahydrofuran	4.05	42	518	1.180	ug/l #	36
30) Chloroform	3.84	83	14903	2.094	ug/l	88
41) Methacrylonitrile	4.73	41	707	Below Cal	#	48
49) 1,4-Dioxane	6.85	88	66	3.962	ug/l #	1
52) Toluene	7.60	92	67944	8.330	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.60	63	9584	39.641	ug/l	100
59) 2-Hexanone	9.49	43	4180	3.055	ug/l	89
68) m/p-Xylenes	10.11	106	11849	2.010	ug/l	99
95) Naphthalene	14.45	128	33883	3.607	ug/l	97

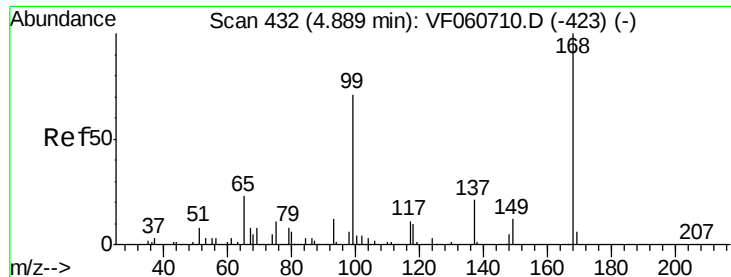
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF060730.D

Acq: 14 Nov 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

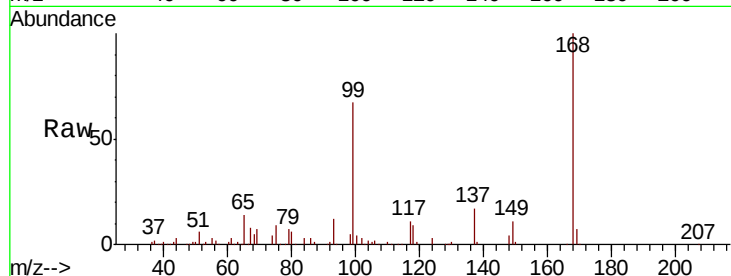
OR-01-111218-B

Tgt Ion:168 Resp: 265472

Ion Ratio Lower Upper

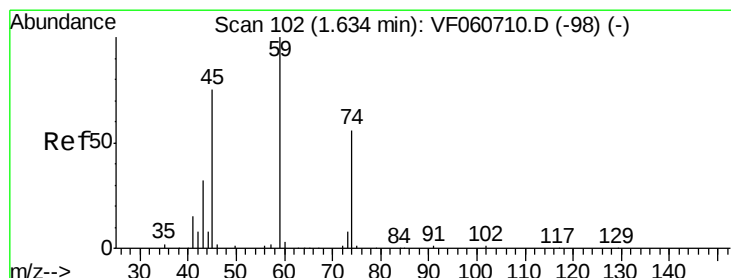
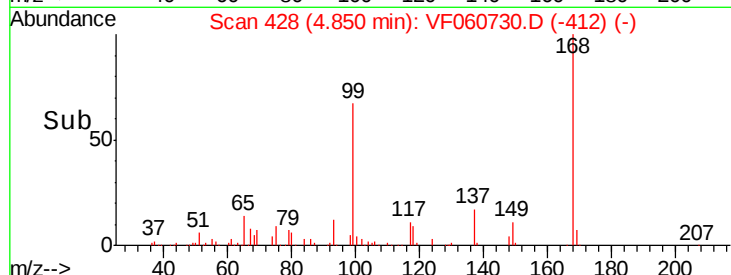
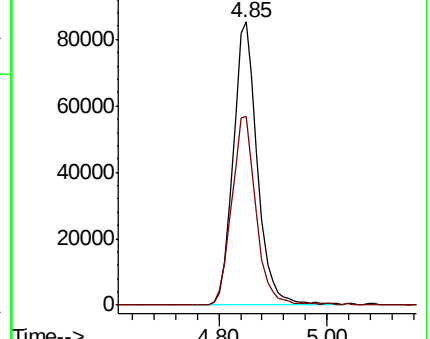
168 100

99 66.5 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 2.041 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF060730.D

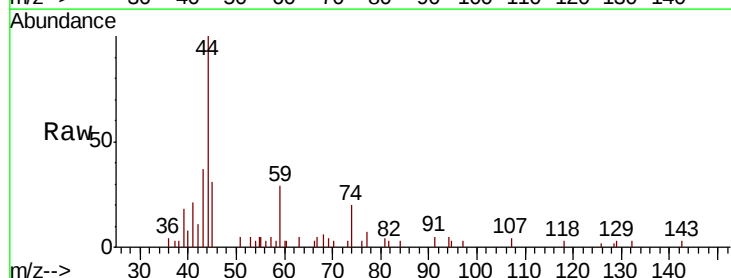
Acq: 14 Nov 2018 17:59

Tgt Ion: 74 Resp: 1524

Ion Ratio Lower Upper

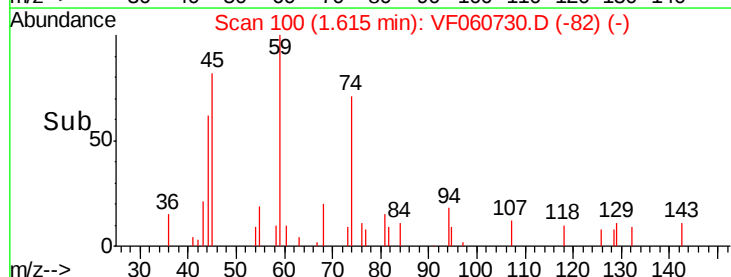
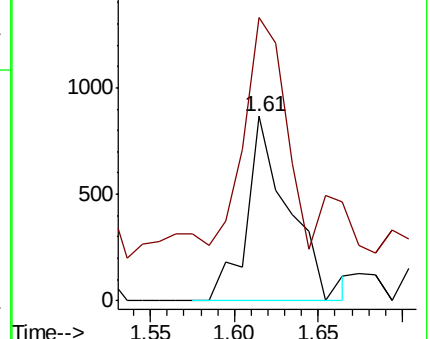
74 100

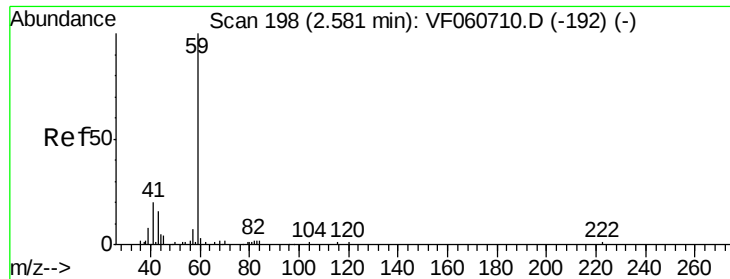
45 153.5 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

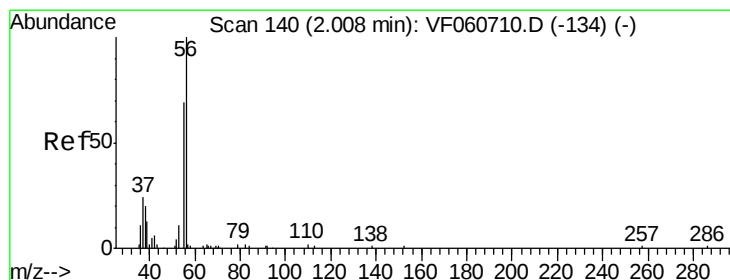
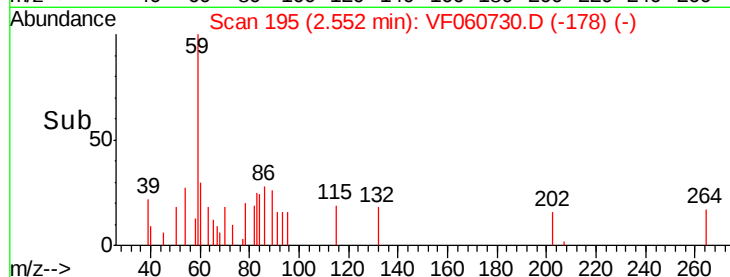
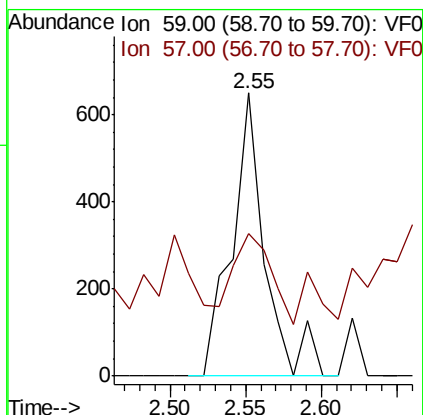
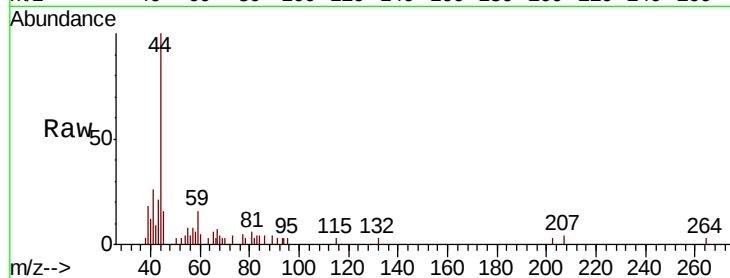




#11
Tert butyl alcohol
Concen: 7.119 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF060730.D
Acq: 14 Nov 2018 17:59

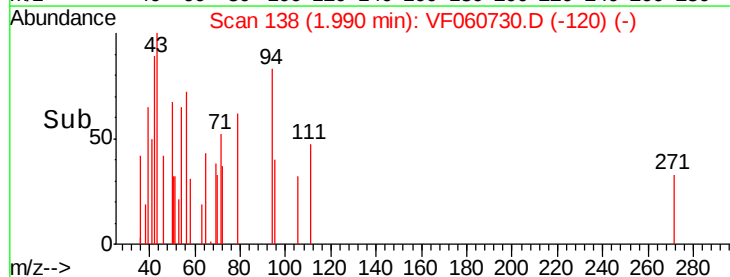
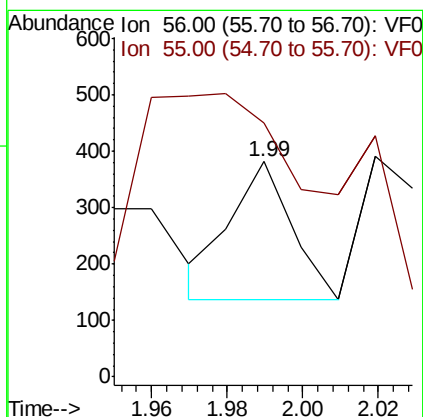
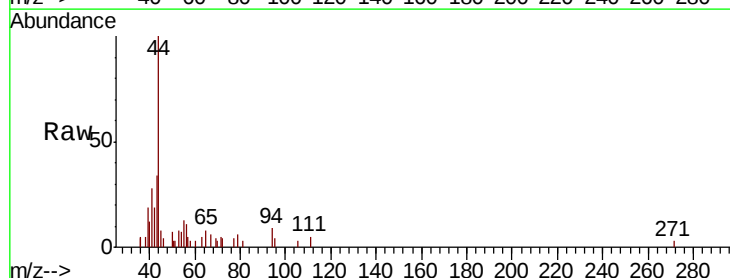
Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-B

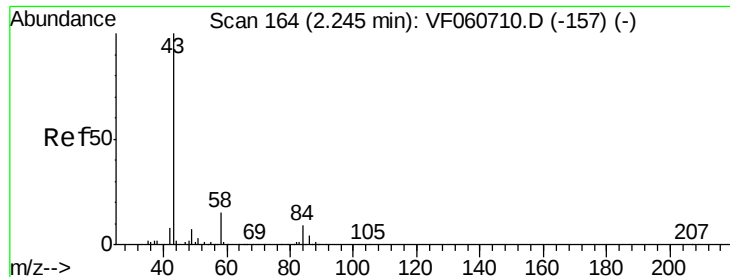
Tgt Ion: 59 Resp: 981
Ion Ratio Lower Upper
59 100
57 50.2 10.5 15.7#



#13
Acrolein
Concen: 2.182 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.02 min
Lab File: VF060730.D
Acq: 14 Nov 2018 17:59

Tgt Ion: 56 Resp: 275
Ion Ratio Lower Upper
56 100
55 117.8 56.6 85.0#





#16

Acetone

Concen: 65.689 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF060730.D

Acq: 14 Nov 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

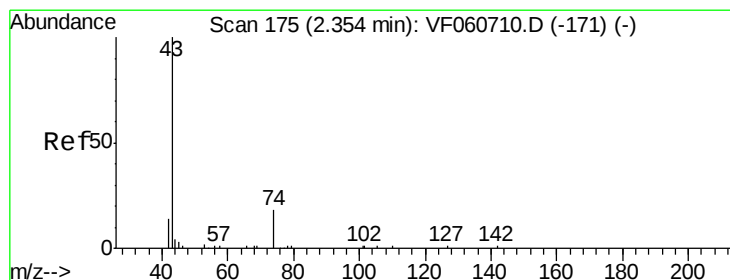
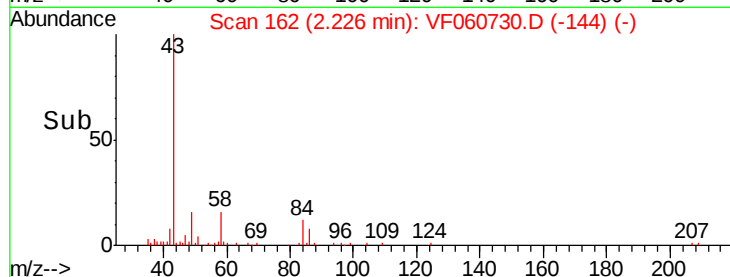
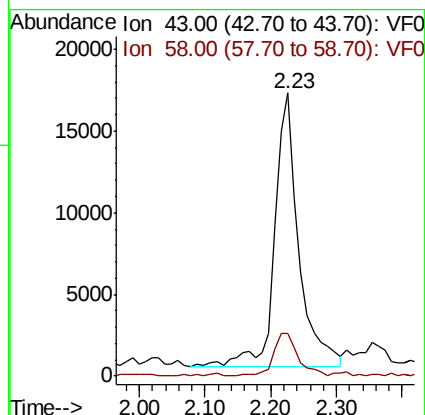
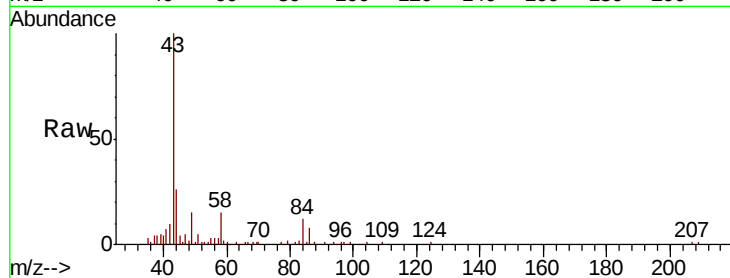
OR-01-111218-B

Tgt Ion: 43 Resp: 42515

Ion Ratio Lower Upper

43 100

58 15.2 11.6 17.4



#18

Methyl Acetate

Concen: 2.502 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF060730.D

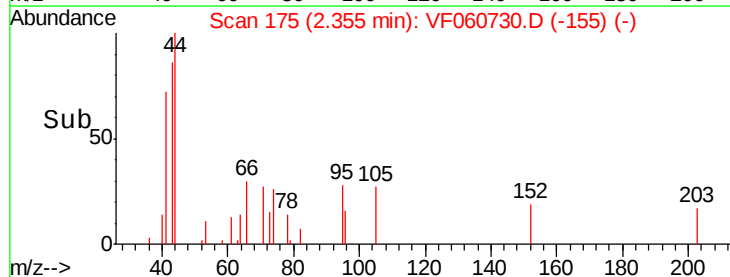
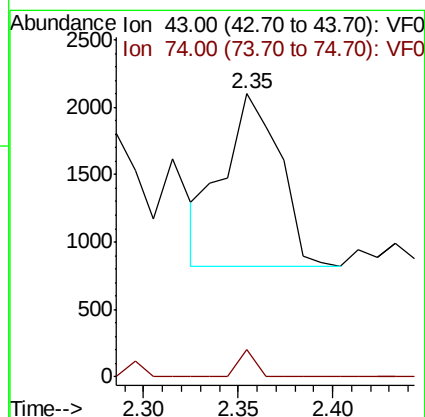
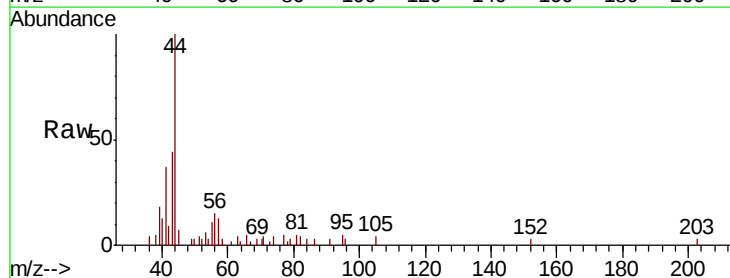
Acq: 14 Nov 2018 17:59

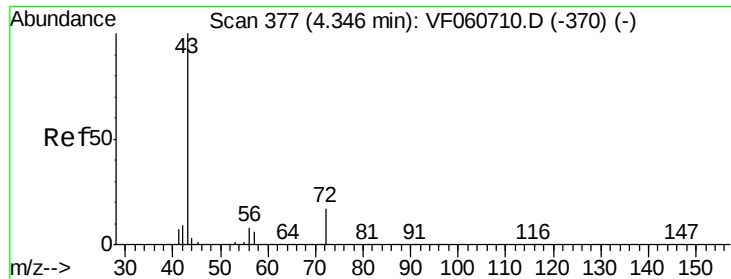
Tgt Ion: 43 Resp: 2659

Ion Ratio Lower Upper

43 100

74 9.5 11.8 17.8#





#25

2-Butanone

Concen: 3.866 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.03 min

Lab File: VF060730.D

Acq: 14 Nov 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

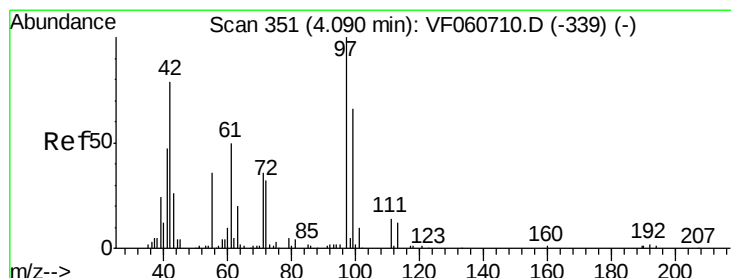
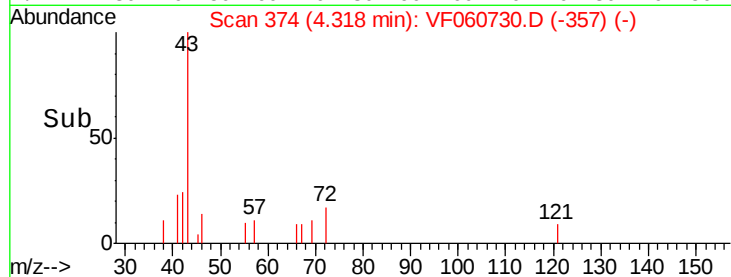
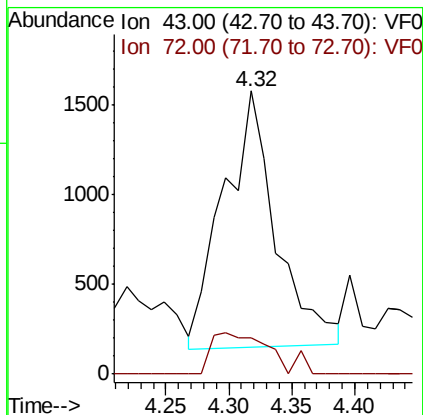
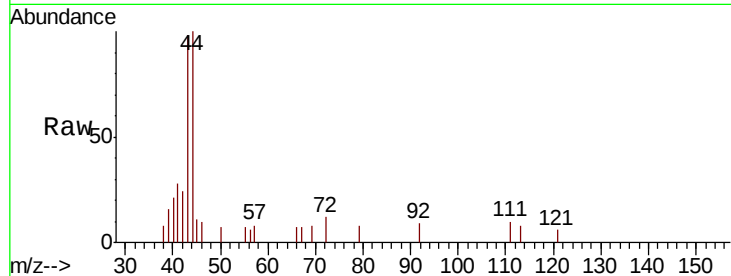
OR-01-111218-B

Tgt Ion: 43 Resp: 4116

Ion Ratio Lower Upper

43 100

72 12.7 16.1 24.1#



#29

Tetrahydrofuran

Concen: 1.180 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.04 min

Lab File: VF060730.D

Acq: 14 Nov 2018 17:59

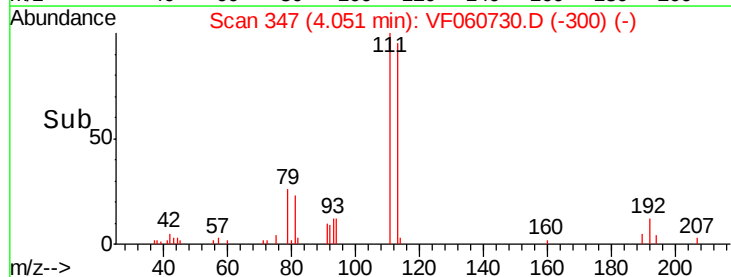
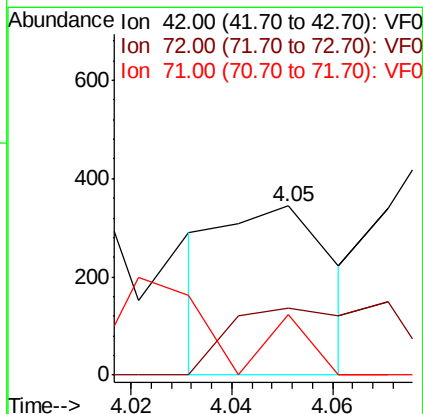
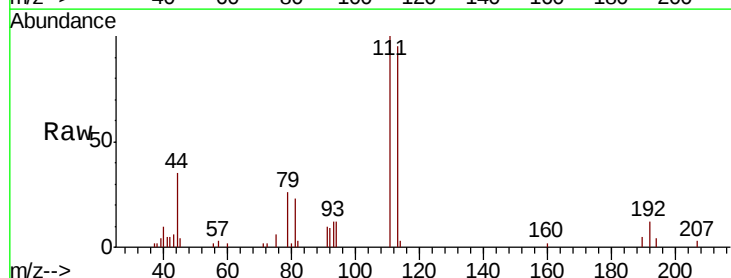
Tgt Ion: 42 Resp: 518

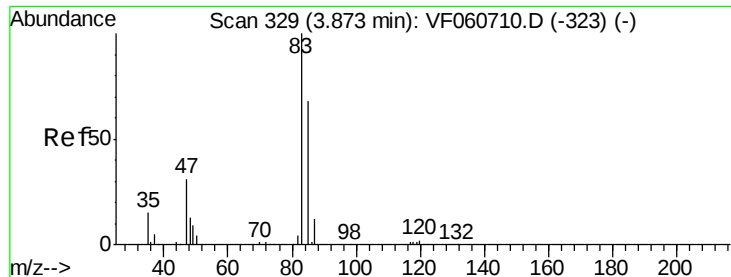
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 0.0 32.2 48.2#

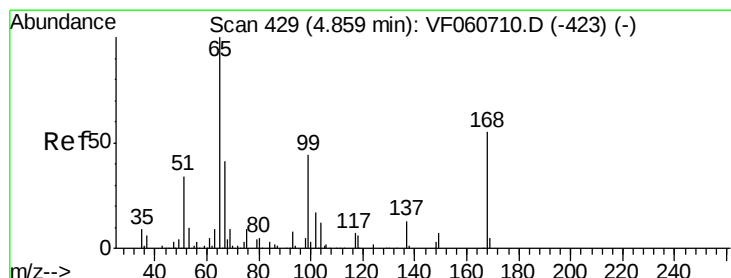
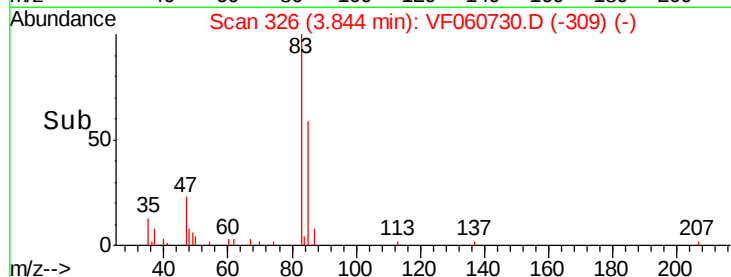
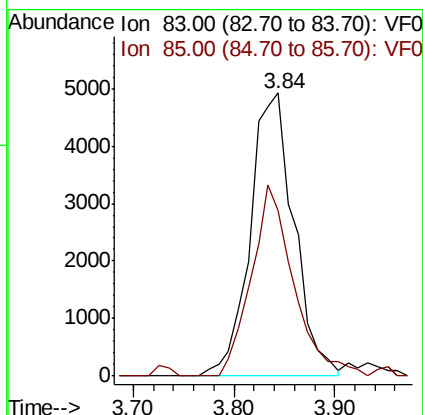
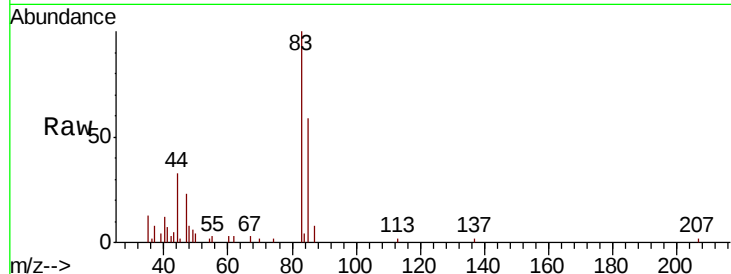




#30
Chloroform
Concen: 2.094 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.03 min
Lab File: VF060730.D
Acq: 14 Nov 2018 17:59

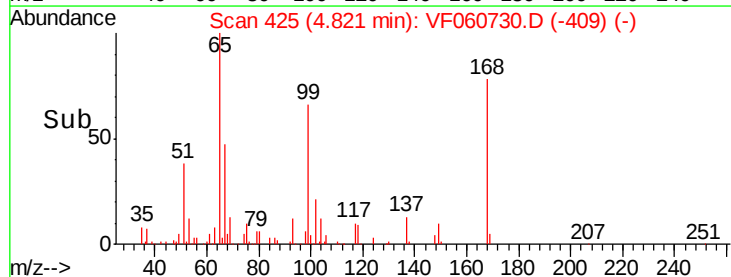
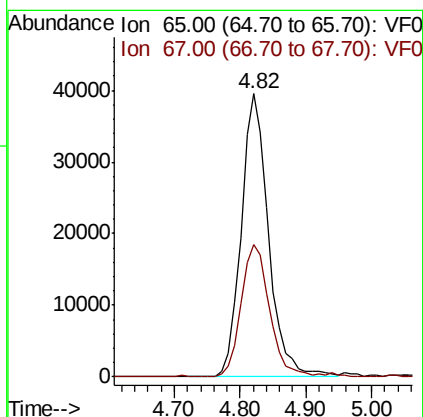
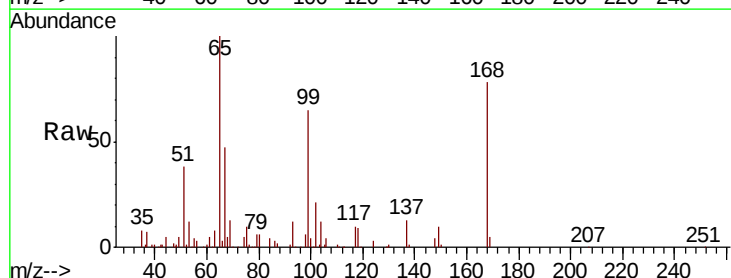
Instrument :
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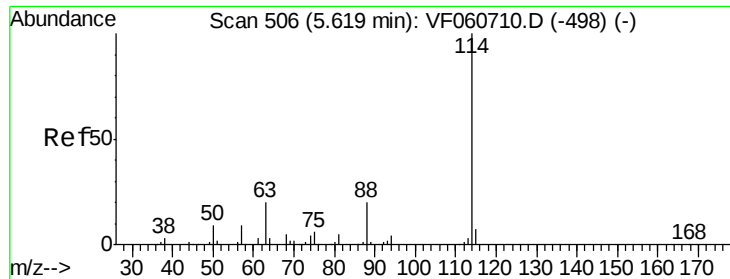
Tgt Ion: 83 Resp: 14903
Ion Ratio Lower Upper
83 100
85 58.6 54.6 82.0



#33
1,2-Dichloroethane-d4
Concen: 38.038 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.04 min
Lab File: VF060730.D
Acq: 14 Nov 2018 17:59

Tgt Ion: 65 Resp: 115180
Ion Ratio Lower Upper
65 100
67 46.9 0.0 90.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.05 min

Lab File: VF060730.D

Acq: 14 Nov 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

OR-01-111218-B

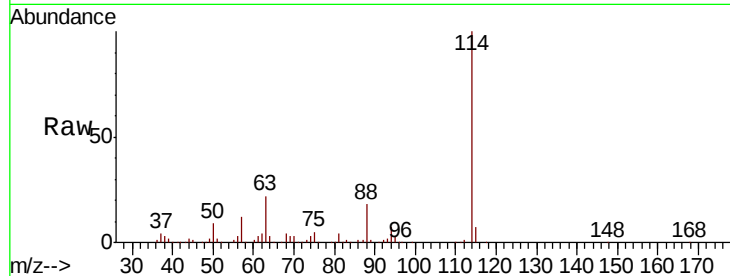
Tgt Ion:114 Resp: 470804

Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.8

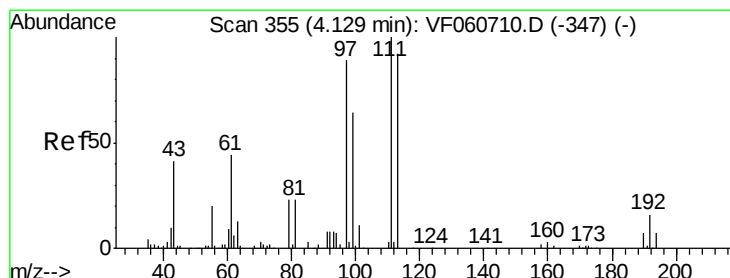
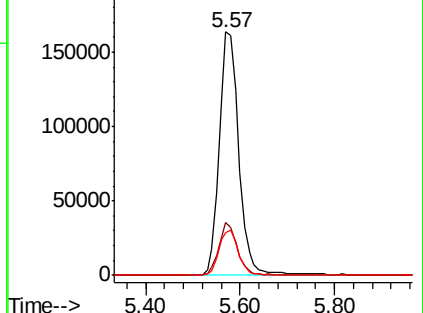
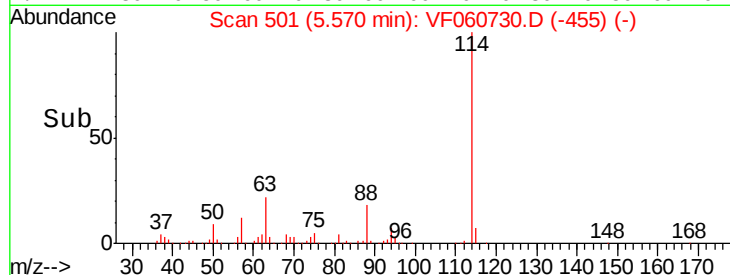
88 17.7 0.0 39.6



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: 39.743 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.04 min

Lab File: VF060730.D

Acq: 14 Nov 2018 17:59

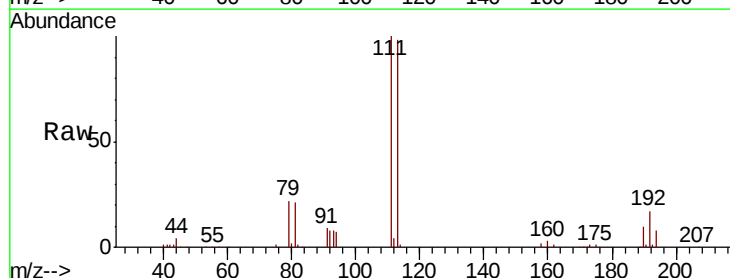
Tgt Ion:113 Resp: 140651

Ion Ratio Lower Upper

113 100

111 102.5 87.1 130.7

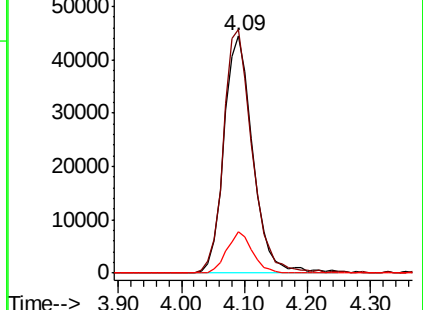
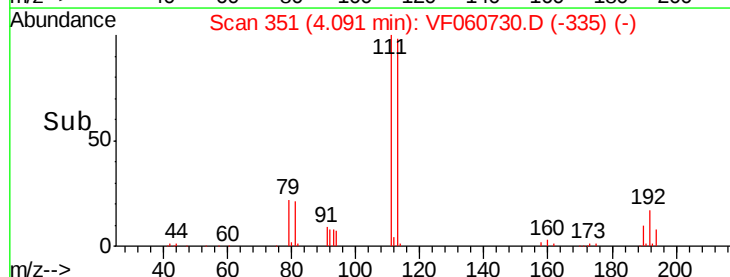
192 17.8 13.8 20.6

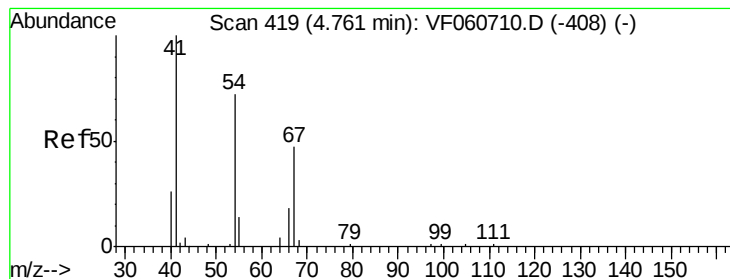


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.73 min Scan# 416

Delta R.T. -0.03 min

Lab File: VF060730.D

Acq: 14 Nov 2018 17:59

Instrument :

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ClientSampleId :

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Tgt Ion: 41 Resp: 707

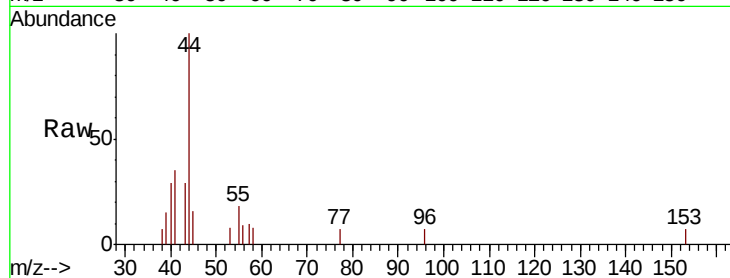
Ion Ratio Lower Upper

41 100

39 43.6 47.1 70.7#

67 0.0 37.1 55.7#

52 0.0 39.3 58.9#

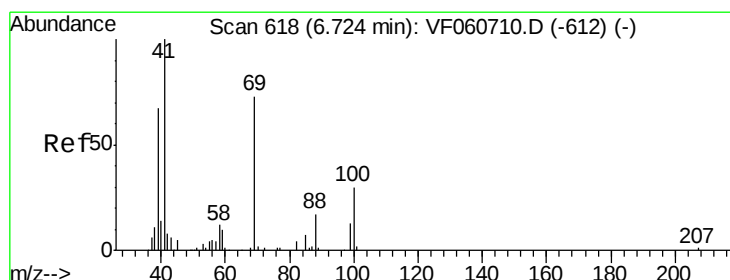
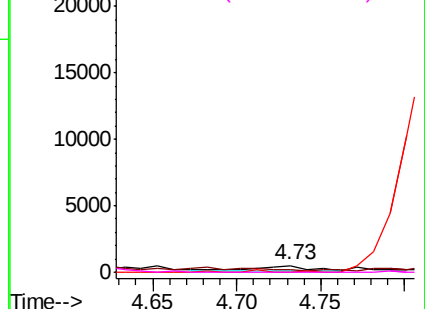
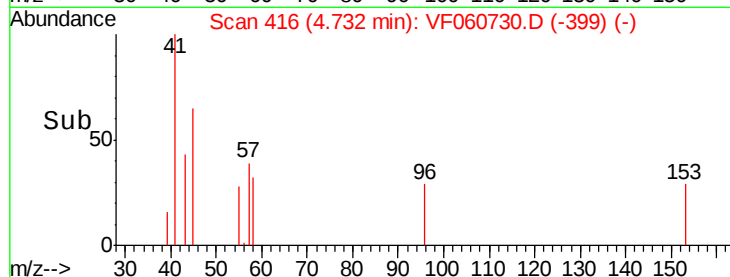


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#49

1,4-Dioxane

Concen: 3.962 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.13 min

Lab File: VF060730.D

Acq: 14 Nov 2018 17:59

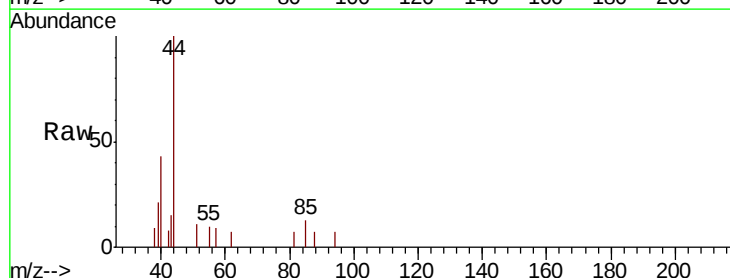
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 205.4 44.6 66.8#

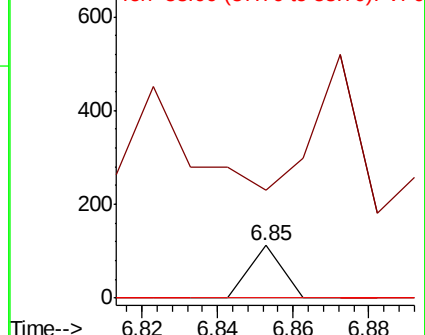
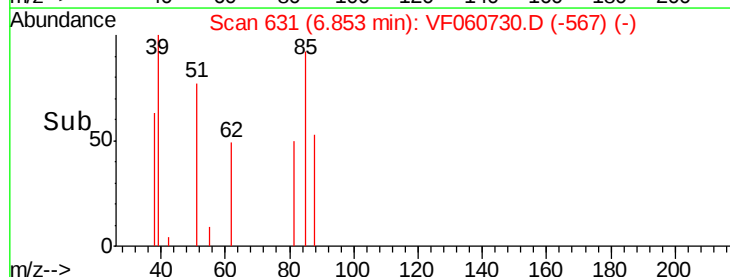
58 0.0 54.5 81.7#

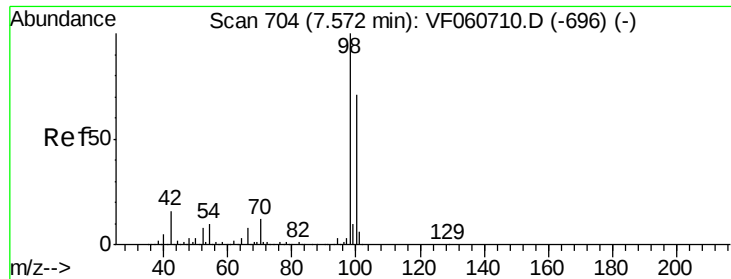


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 38.366 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.04 min

Lab File: VF060730.D

Acq: 14 Nov 2018 17:59

Instrument :

MSVOA_F

ClientSampleId :

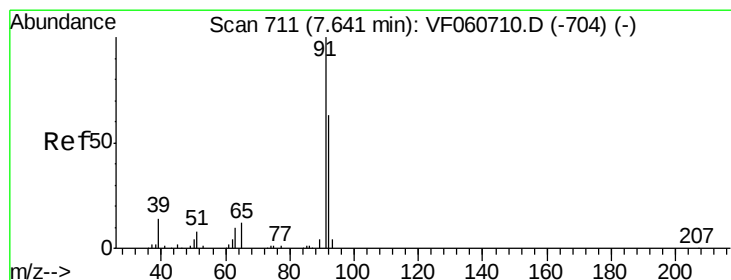
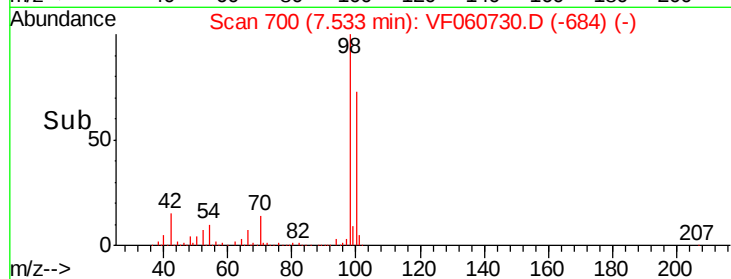
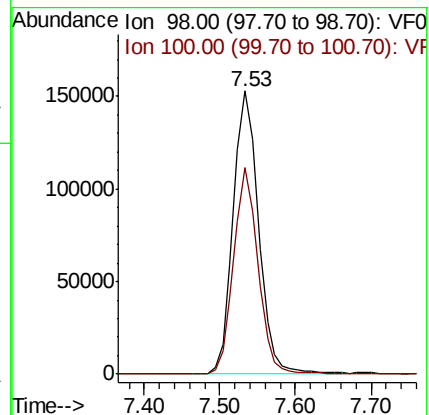
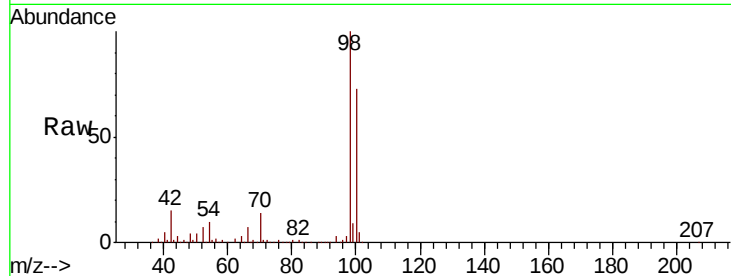
OR-01-111218-B

Tgt Ion: 98 Resp: 356185

Ion Ratio Lower Upper

98 100

100 72.9 56.5 84.7



#52

Toluene

Concen: 8.330 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.04 min

Lab File: VF060730.D

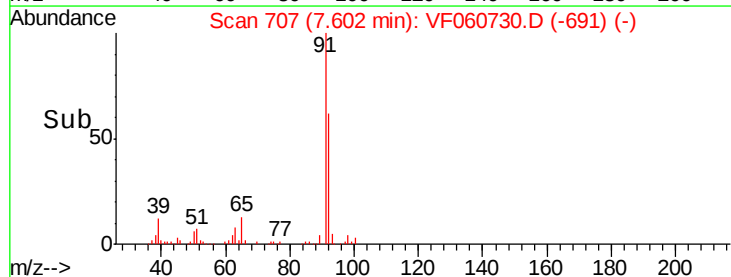
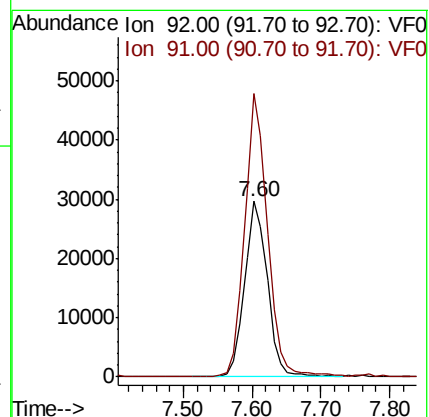
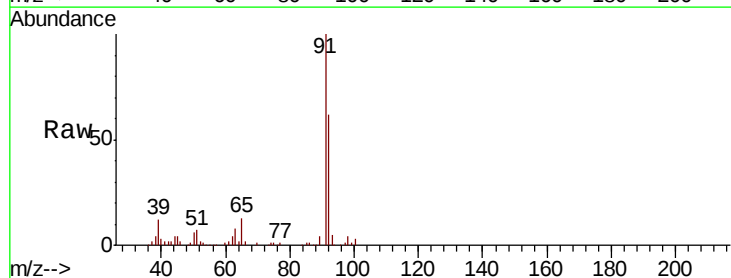
Acq: 14 Nov 2018 17:59

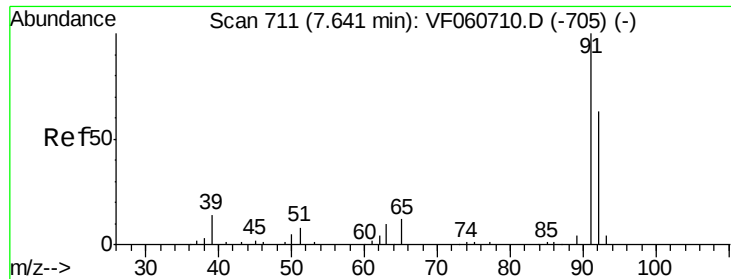
Tgt Ion: 92 Resp: 67944

Ion Ratio Lower Upper

92 100

91 161.1 126.7 190.1

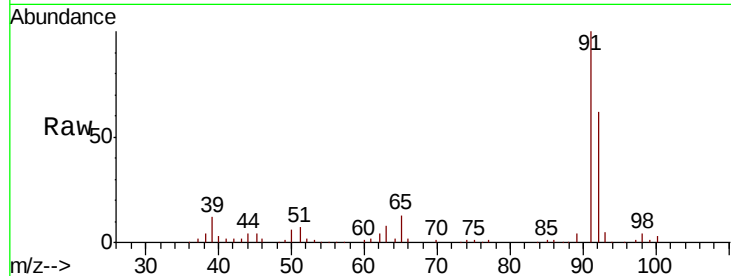




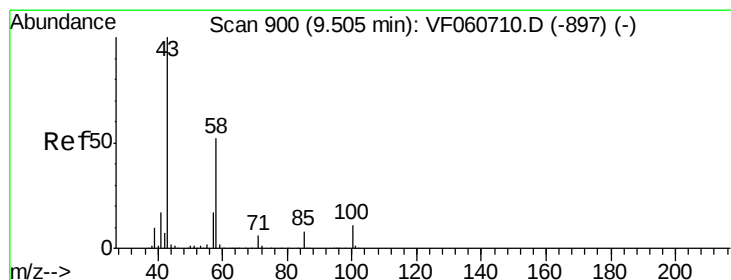
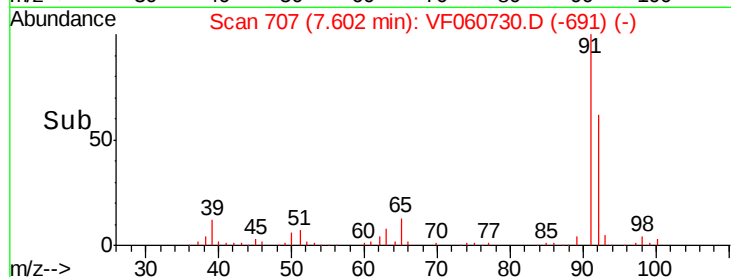
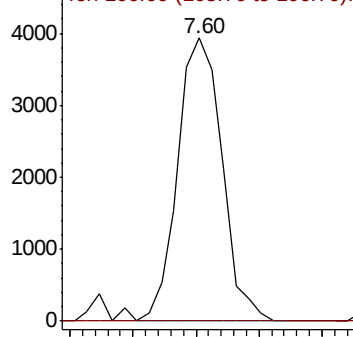
#58
 2-Chloroethyl Vinyl ether
 Concen: 39.641 ug/l
 RT: 7.60 min Scan# 707
 Delta R.T. -0.04 min
 Lab File: VF060730.D
 Acq: 14 Nov 2018 17:59

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

Tgt Ion: 63 Resp: 9584
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

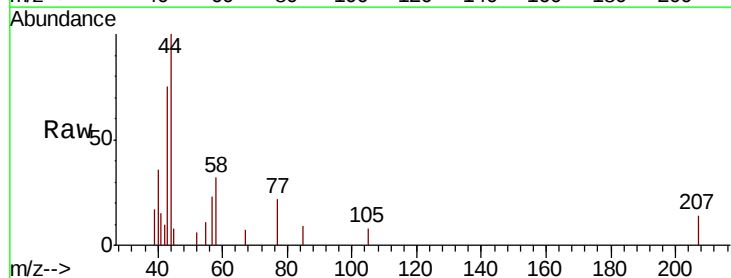


Abundance Ion 63.00 (62.70 to 63.70): VF0
 Ion 106.00 (105.70 to 106.70): V

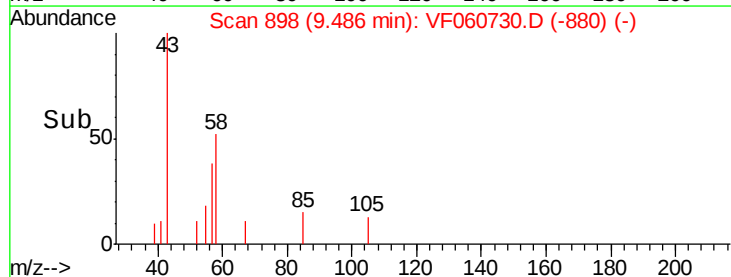
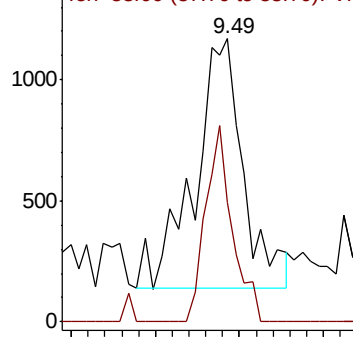


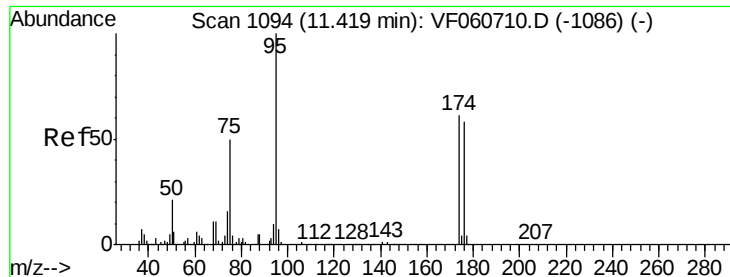
#59
 2-Hexanone
 Concen: 3.055 ug/l
 RT: 9.49 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: VF060730.D
 Acq: 14 Nov 2018 17:59

Tgt Ion: 43 Resp: 4180
 Ion Ratio Lower Upper
 43 100
 58 42.4 24.9 74.7



Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 58.00 (57.70 to 58.70): VF0

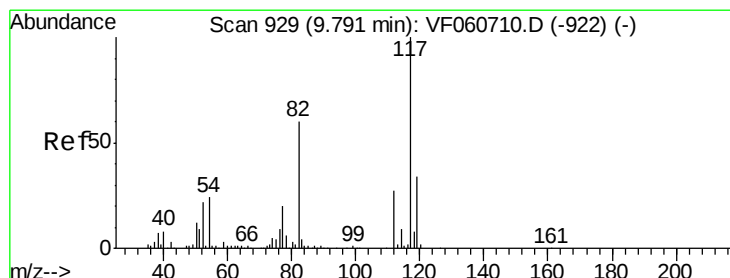
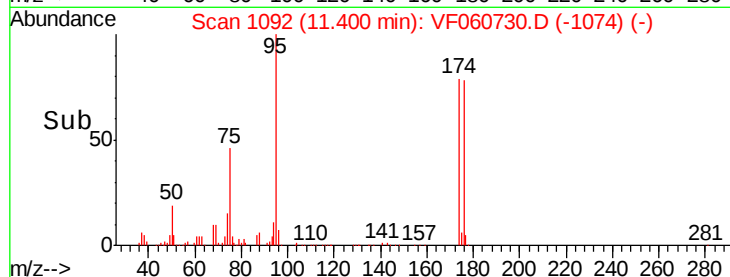
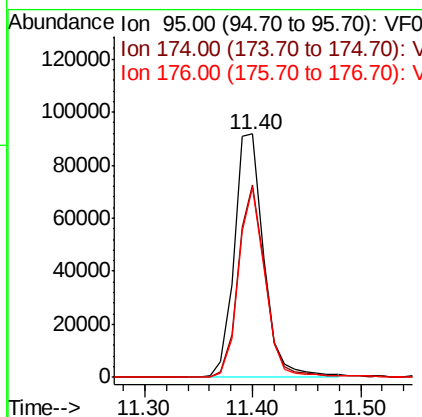
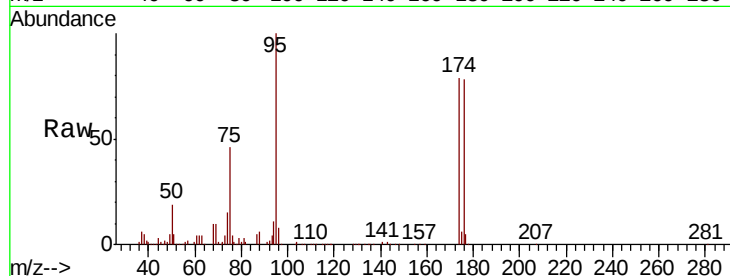




#62
4-Bromofluorobenzene
Concen: 41.022 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF060730.D
Acq: 14 Nov 2018 17:59

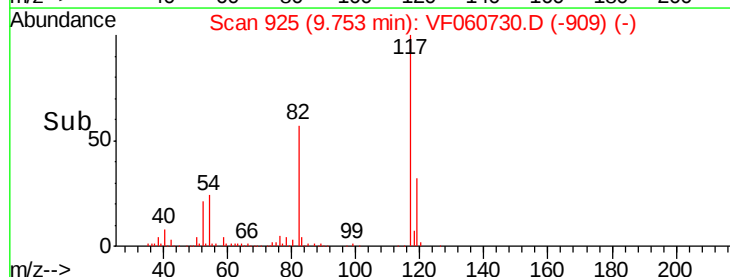
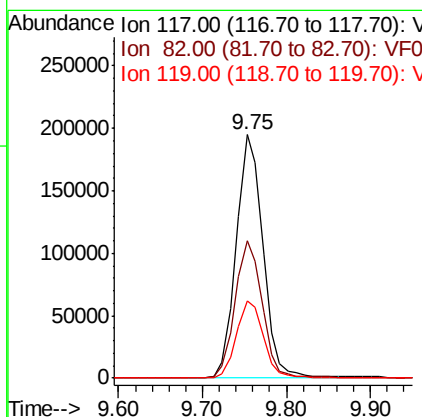
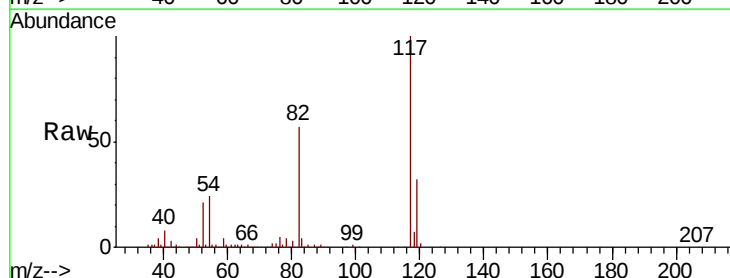
Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-B

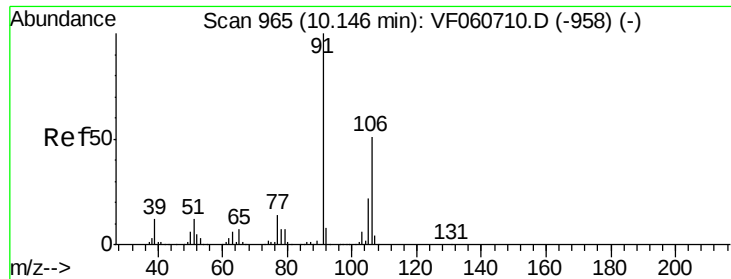
Tgt Ion: 95 Resp: 174841
Ion Ratio Lower Upper
95 100
174 79.1 0.0 121.6
176 77.9 0.0 115.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF060730.D
Acq: 14 Nov 2018 17:59

Tgt Ion: 117 Resp: 433696
Ion Ratio Lower Upper
117 100
82 56.7 47.9 71.9
119 31.7 26.8 40.2

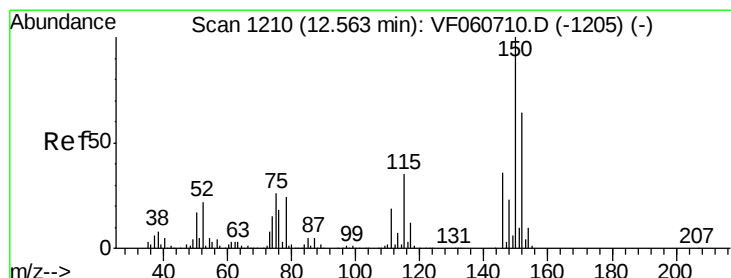
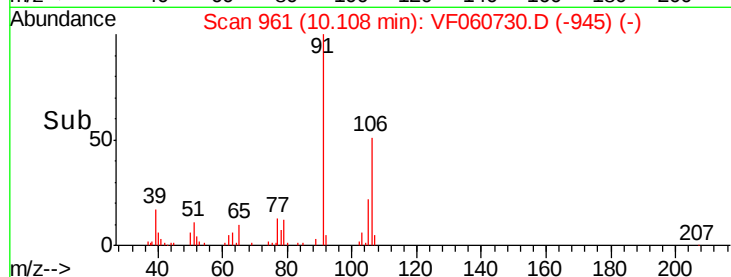
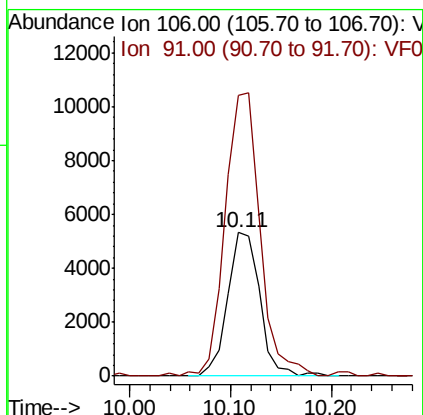
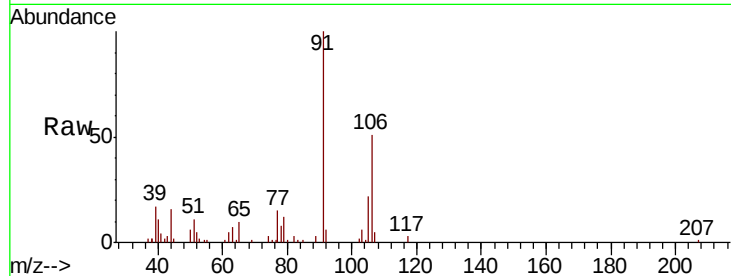




#68
m/p-Xylenes
Concen: 2.010 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.04 min
Lab File: VF060730.D
Acq: 14 Nov 2018 17:59

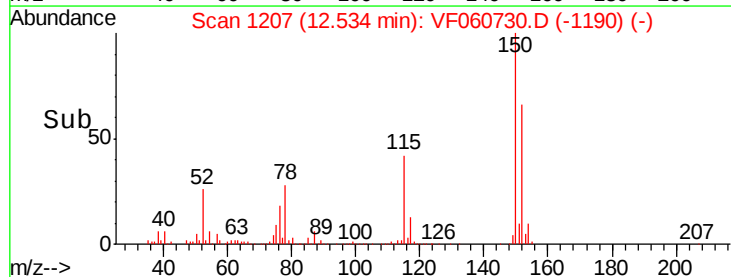
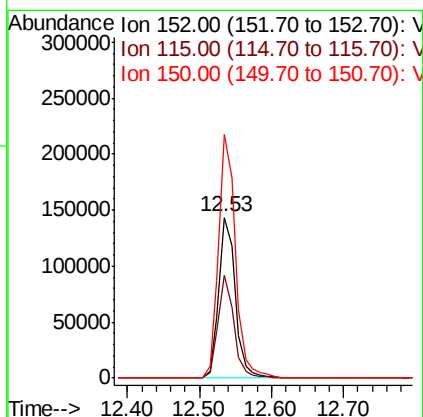
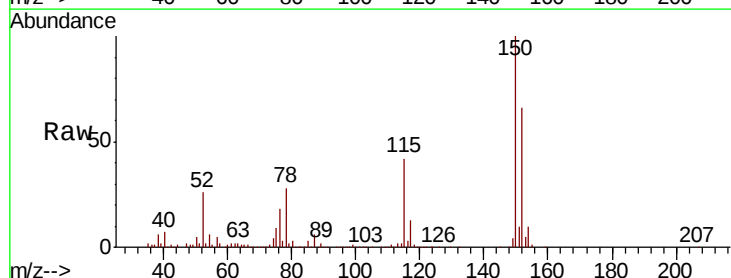
Instrument :
MSVOA_F
ClientSampleId :
OR-01-111218-B

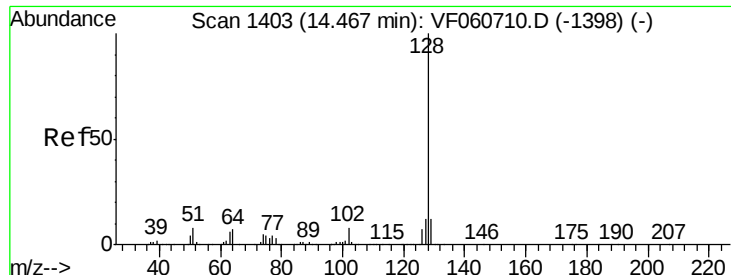
Tgt Ion:106 Resp: 11849
Ion Ratio Lower Upper
106 100
91 195.8 158.2 237.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.03 min
Lab File: VF060730.D
Acq: 14 Nov 2018 17:59

Tgt Ion:152 Resp: 228138
Ion Ratio Lower Upper
152 100
115 63.9 27.9 83.7
150 151.7 0.0 316.4

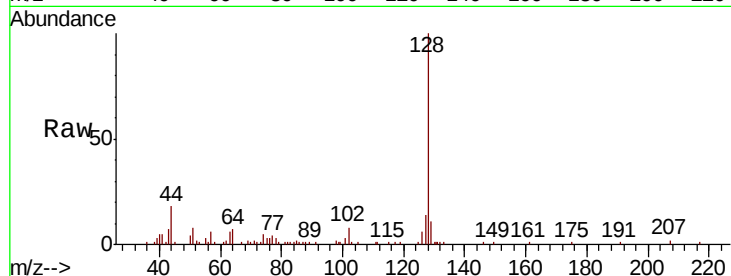




#95
Naphthalene
Concen: 3.607 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF060730.D
Acq: 14 Nov 2018 17:59

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

Tgt Ion:128 Resp: 33883
Ion Ratio Lower Upper
128 100
127 13.6 9.8 14.6
129 11.0 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

