

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
 Data File : VF060737.D
 Acq On : 14 Nov 2018 21:17
 Operator : VA/AP
 Sample : J5915-06
 Misc : 5.07g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 T-6

Quant Time: Nov 15 06:39:38 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	258852	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	431656	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.75	117	405171	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	227790	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	118279	40.06	ug/l	-0.04
Spiked Amount			Recovery	=	80.12%	
35) Dibromofluoromethane	4.09	113	139234	42.91	ug/l	-0.04
Spiked Amount			Recovery	=	85.82%	
50) Toluene-d8	7.53	98	375497	44.71	ug/l	-0.04
Spiked Amount			Recovery	=	89.42%	
62) 4-Bromofluorobenzene	11.39	95	183773	47.67	ug/l	-0.03
Spiked Amount			Recovery	=	95.34%	

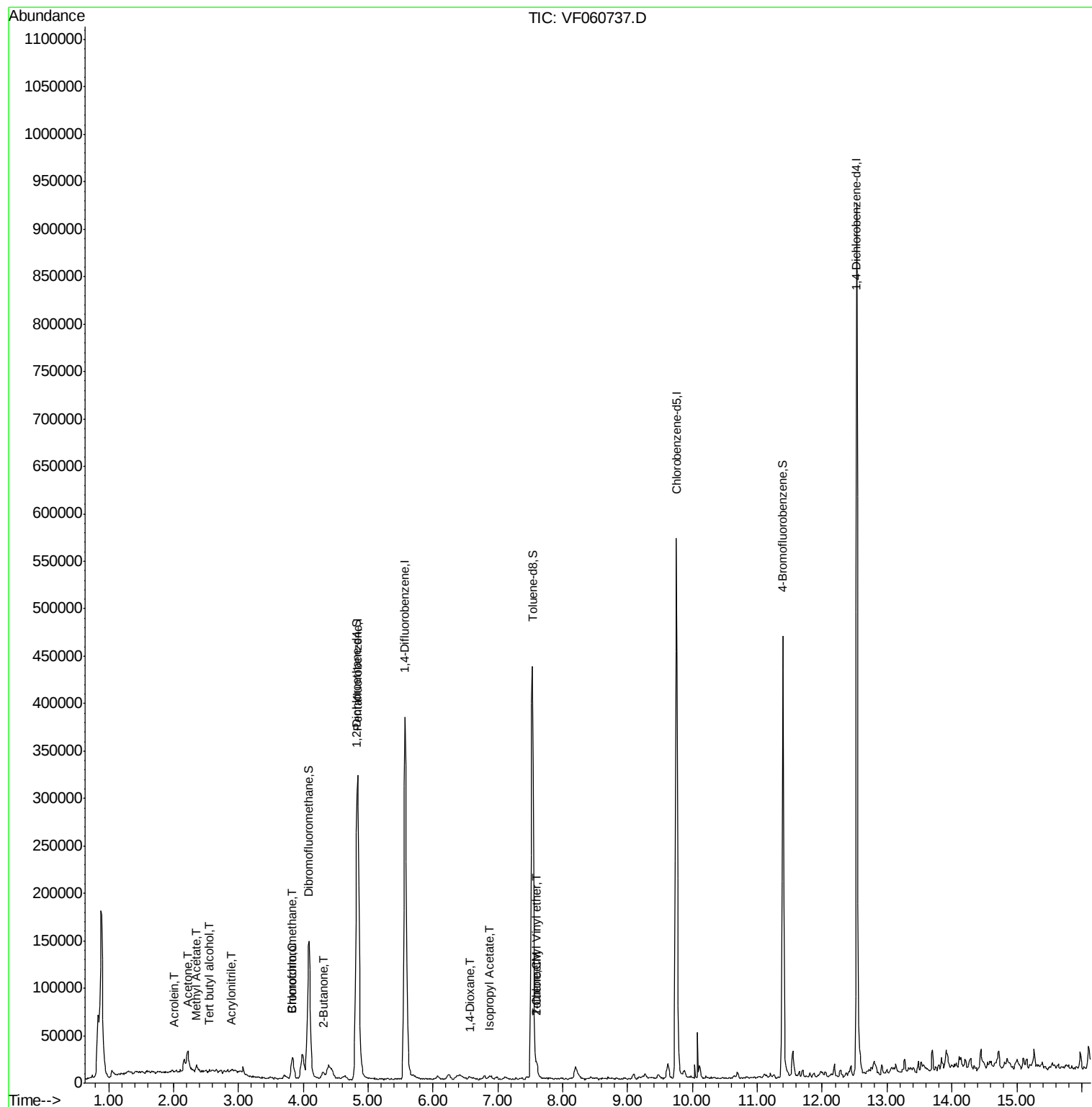
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	637	4.741	ug/l #	1
13) Acrolein	2.01	56	889	7.236	ug/l	99
15) Acrylonitrile	2.90	53	431	1.505	ug/l #	70
16) Acetone	2.22	43	25670	40.676	ug/l	100
18) Methyl Acetate	2.35	43	2173	2.097	ug/l #	64
25) 2-Butanone	4.30	43	14556	14.023	ug/l #	74
28) Bromochloromethane	3.82	49	2265	1.008	ug/l #	12
30) Chloroform	3.83	83	25501	3.675	ug/l	97
41) Methacrylonitrile	4.73	41	471	Below Cal	#	55
43) Isopropyl Acetate	6.88	43	5923	2.400	ug/l #	48
49) 1,4-Dioxane	6.57	88	85	5.565	ug/l #	1
52) Toluene	7.60	92	7814	1.045	ug/l	88
58) 2-Chloroethyl Vinyl ether	7.60	63	1279	5.770	ug/l	100

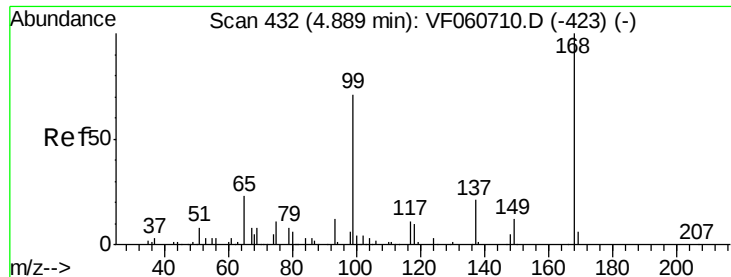
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF060737.D

Acq: 14 Nov 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

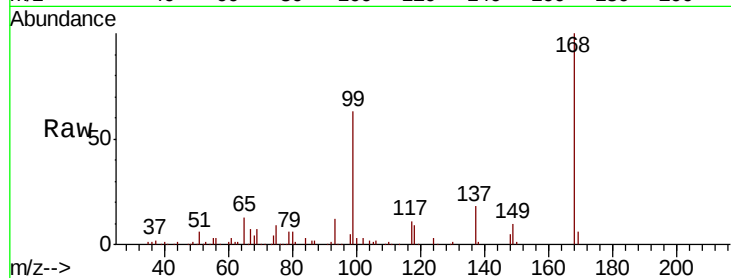
T-6

Tgt Ion:168 Resp: 258852

Ion Ratio Lower Upper

168 100

99 62.7 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

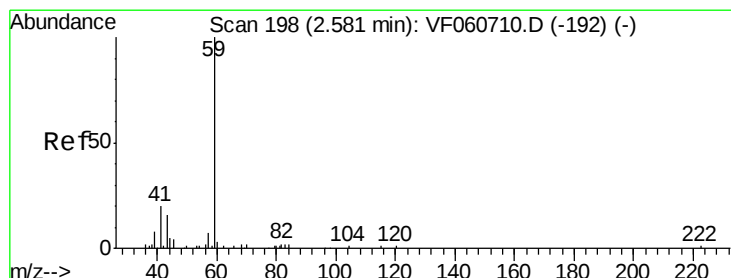
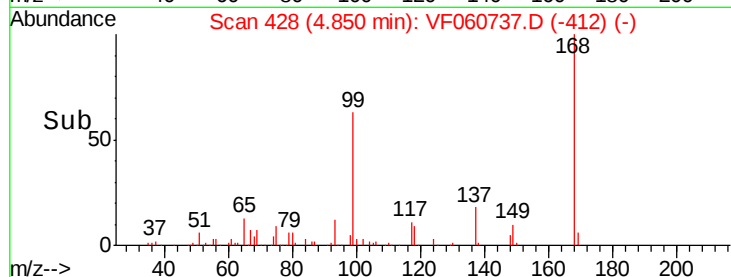
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 4.741 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF060737.D

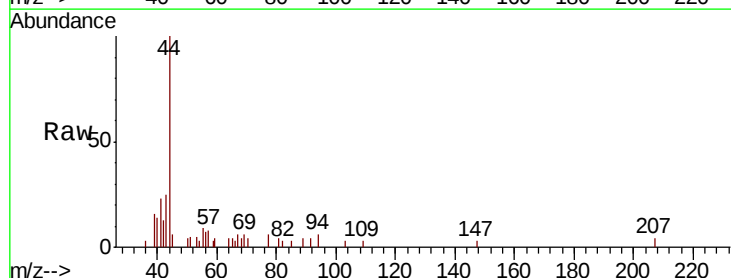
Acq: 14 Nov 2018 21:17

Tgt Ion: 59 Resp: 637

Ion Ratio Lower Upper

59 100

57 108.8 10.5 15.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

600

500

400

300

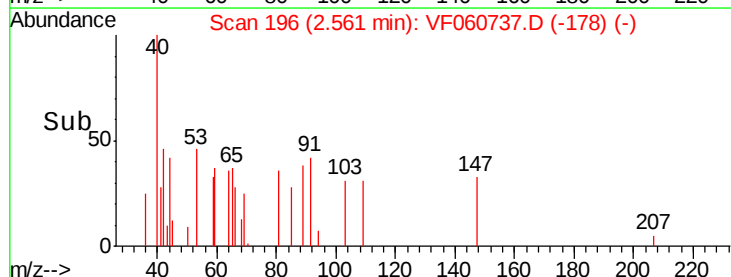
200

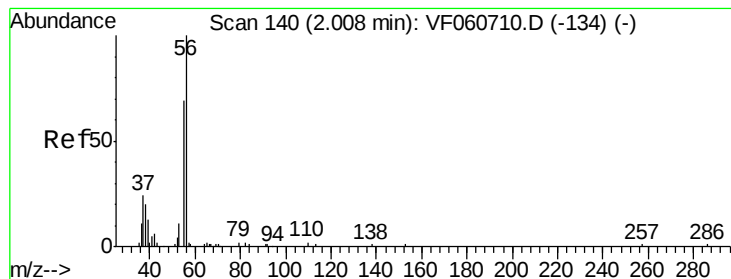
100

0

Time-->

2.50 2.55 2.60





#13

Acrolein

Concen: 7.236 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF060737.D

Acq: 14 Nov 2018 21:17

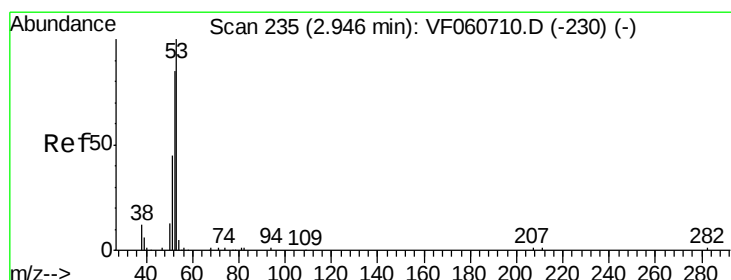
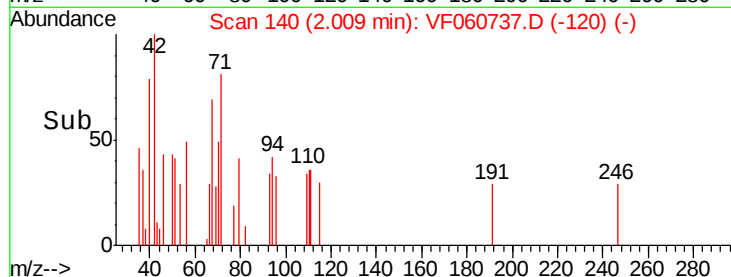
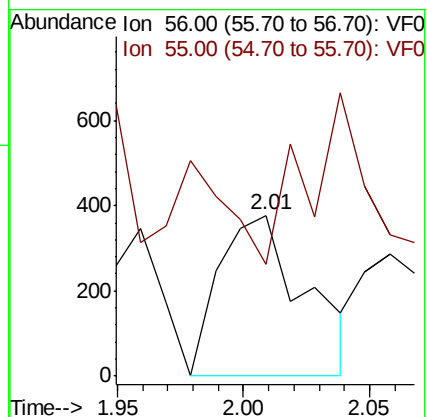
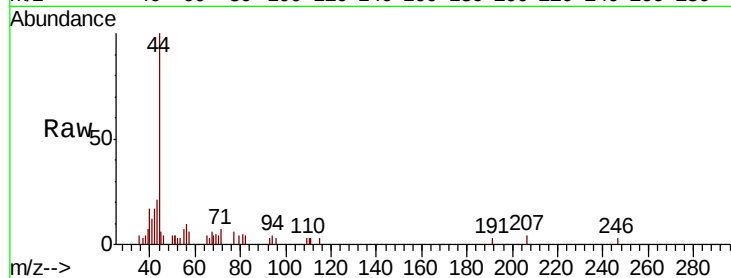
Instrument :
MSVOA_F
ClientSampled :
T-6

Tgt Ion: 56 Resp: 889

Ion Ratio Lower Upper

56 100

55 69.8 56.6 85.0



#15

Acrylonitrile

Concen: 1.505 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.05 min

Lab File: VF060737.D

Acq: 14 Nov 2018 21:17

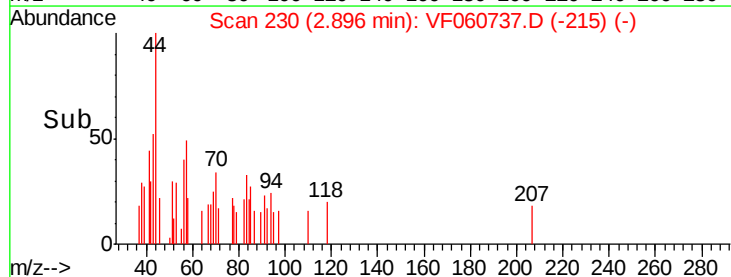
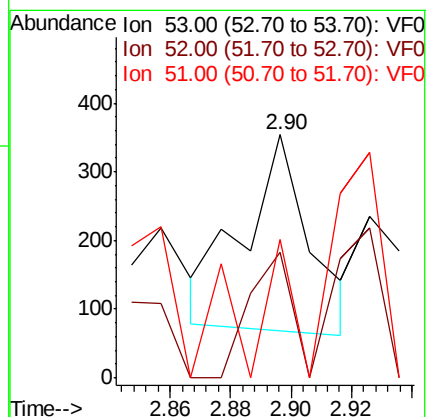
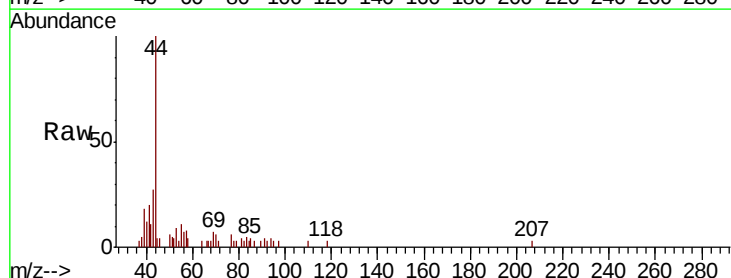
Tgt Ion: 53 Resp: 431

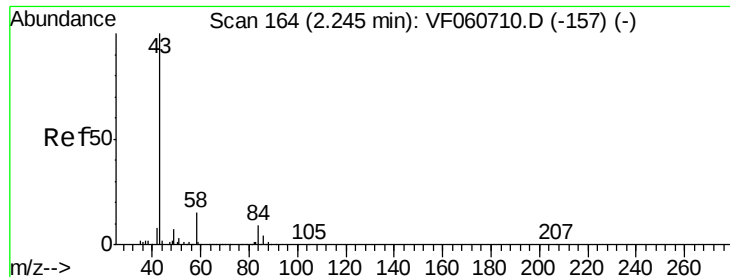
Ion Ratio Lower Upper

53 100

52 51.4 68.8 103.2#

51 56.8 36.7 55.1#





#16

Acetone

Concen: 40.676 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.03 min

Lab File: VF060737.D

Acq: 14 Nov 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

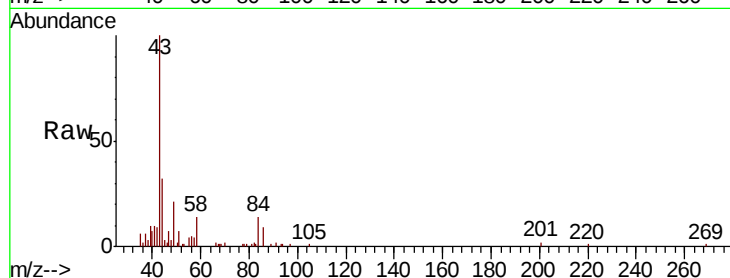
T-6

Tgt Ion: 43 Resp: 25670

Ion Ratio Lower Upper

43 100

58 14.4 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.22

12000

10000

8000

6000

4000

2000

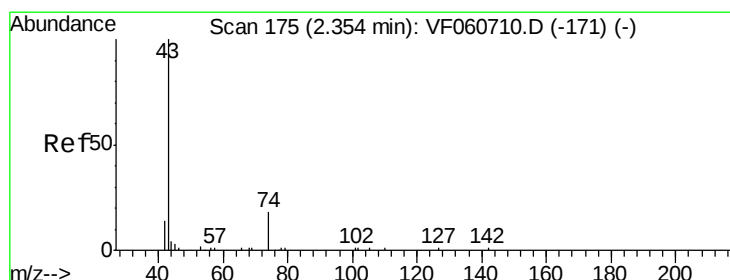
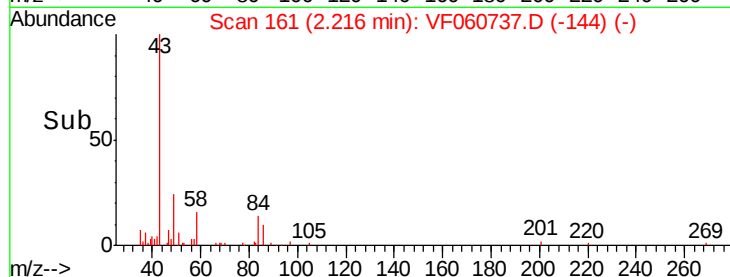
0

Time-->

2.10

2.20

2.30



#18

Methyl Acetate

Concen: 2.097 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF060737.D

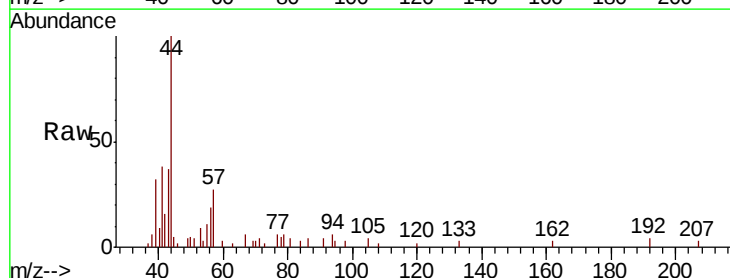
Acq: 14 Nov 2018 21:17

Tgt Ion: 43 Resp: 2173

Ion Ratio Lower Upper

43 100

74 0.0 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2000

1500

1000

500

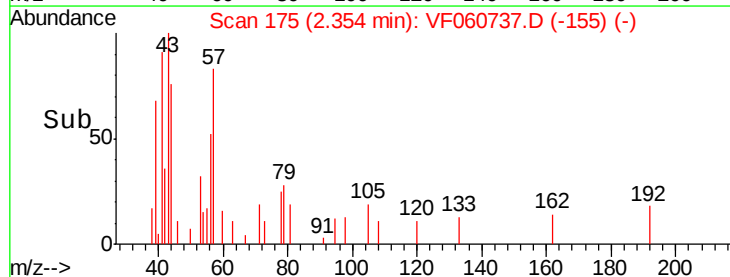
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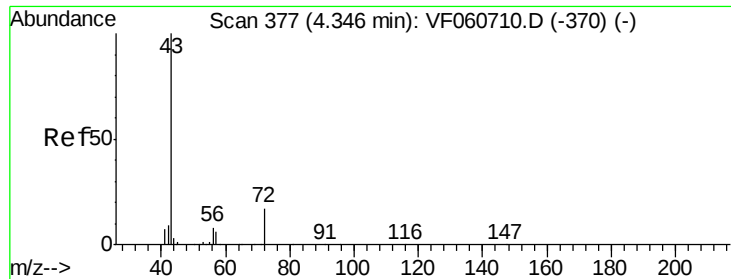
Time-->

2.30

2.35

2.40





#25

2-Butanone

Concen: 14.023 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.05 min

Lab File: VF060737.D

Acq: 14 Nov 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

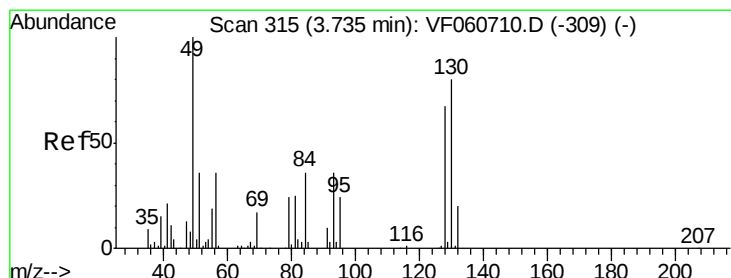
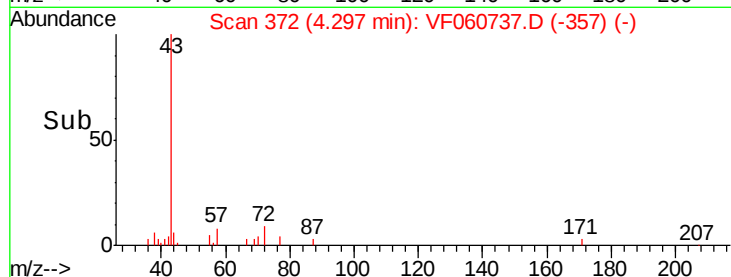
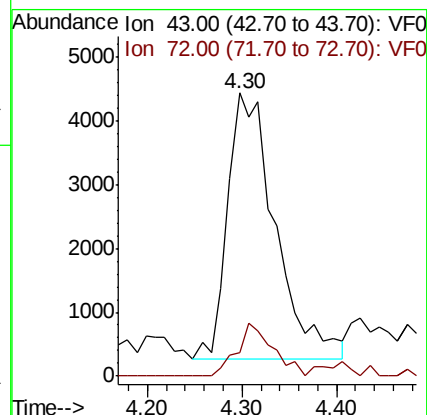
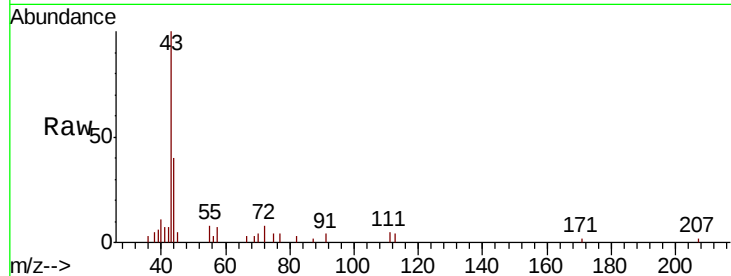
T-6

Tgt Ion: 43 Resp: 14556

Ion Ratio Lower Upper

43 100

72 8.3 16.1 24.1#



#28

Bromochloromethane

Concen: 1.008 ug/l

RT: 3.82 min Scan# 324

Delta R.T. 0.09 min

Lab File: VF060737.D

Acq: 14 Nov 2018 21:17

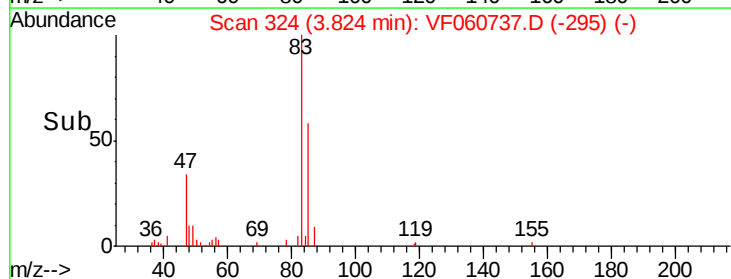
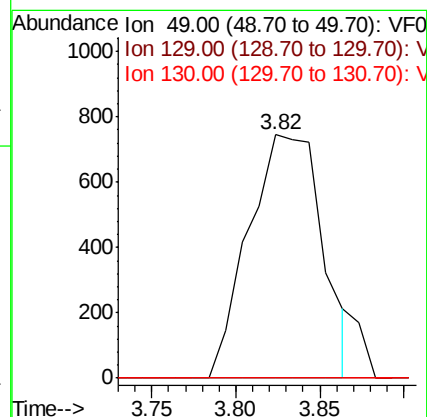
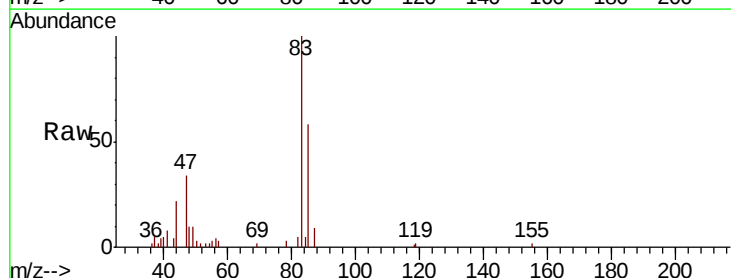
Tgt Ion: 49 Resp: 2265

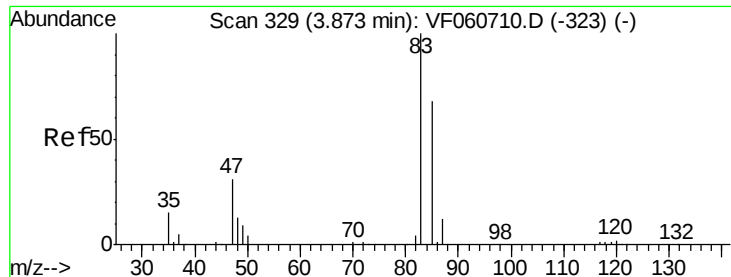
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

130 0.0 63.9 95.9#

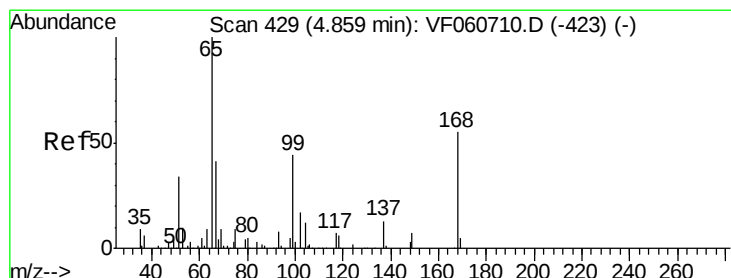
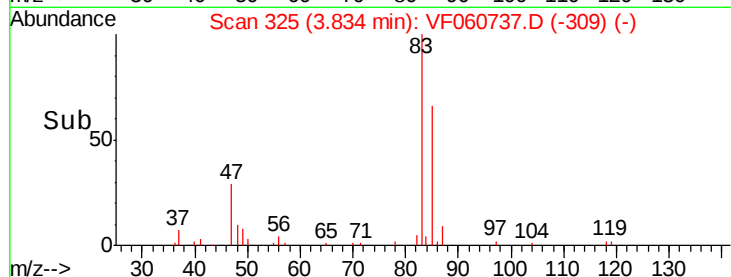
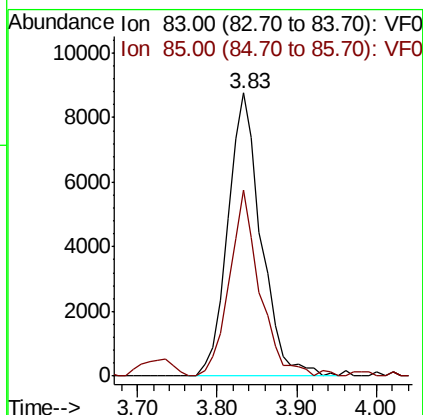
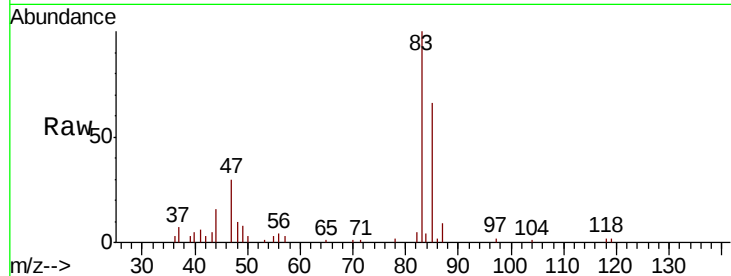




#30
Chloroform
Concen: 3.675 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.04 min
Lab File: VF060737.D
Acq: 14 Nov 2018 21:17

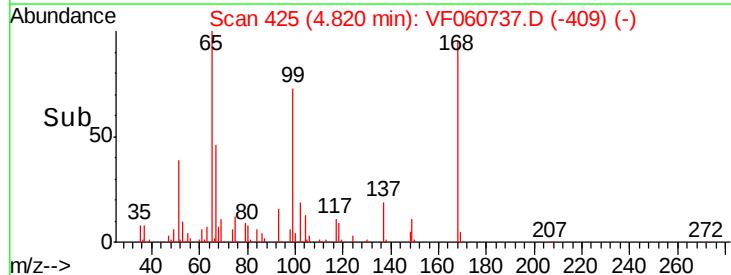
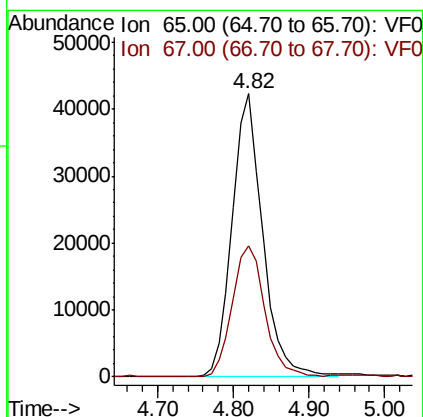
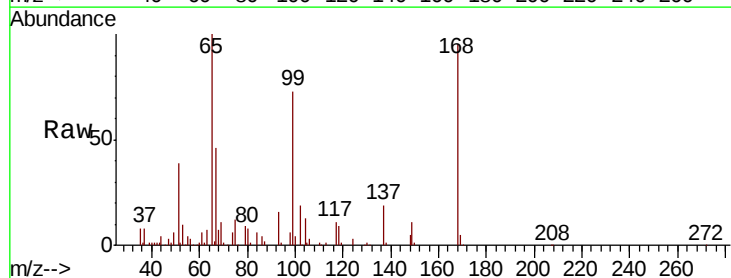
Instrument :
MSVOA_F
ClientSampleId :
T-6

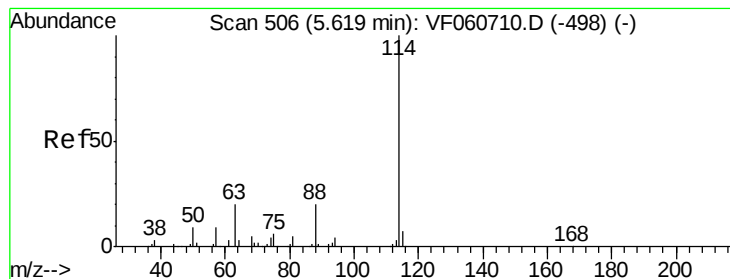
Tgt Ion: 83 Resp: 25501
Ion Ratio Lower Upper
83 100
85 65.6 54.6 82.0



#33
1,2-Dichloroethane-d4
Concen: 40.061 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.04 min
Lab File: VF060737.D
Acq: 14 Nov 2018 21:17

Tgt Ion: 65 Resp: 118279
Ion Ratio Lower Upper
65 100
67 46.2 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: VF060737.D

Acq: 14 Nov 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

T-6

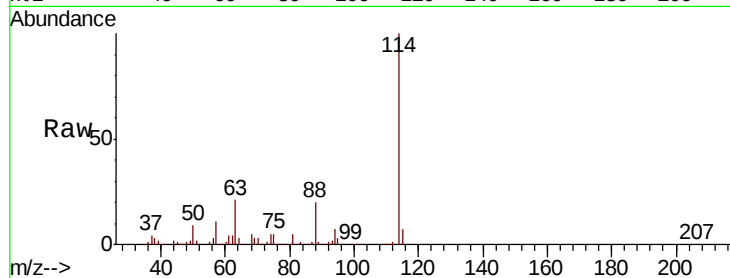
Tgt Ion:114 Resp: 431656

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

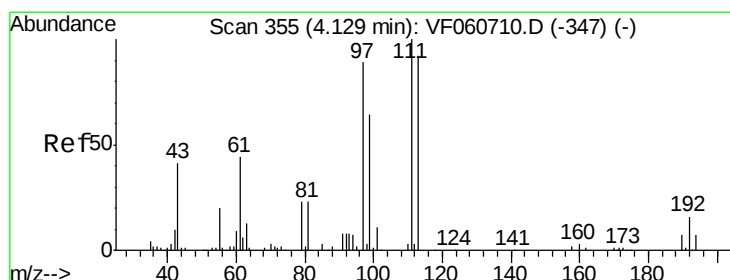
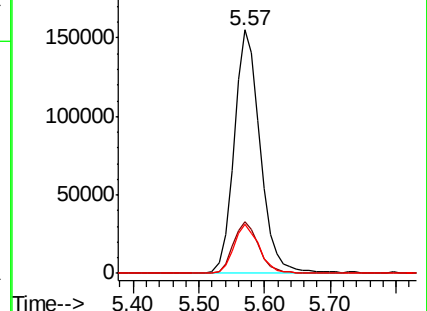
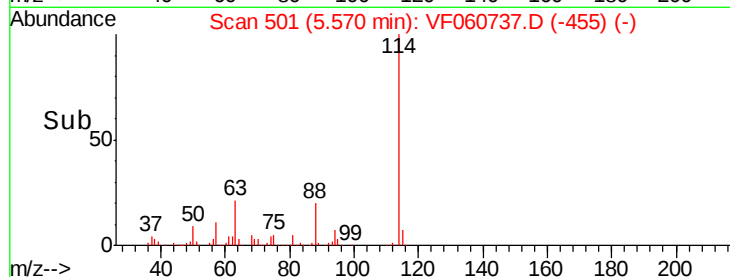
88 20.4 0.0 39.6



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: 42.911 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.04 min

Lab File: VF060737.D

Acq: 14 Nov 2018 21:17

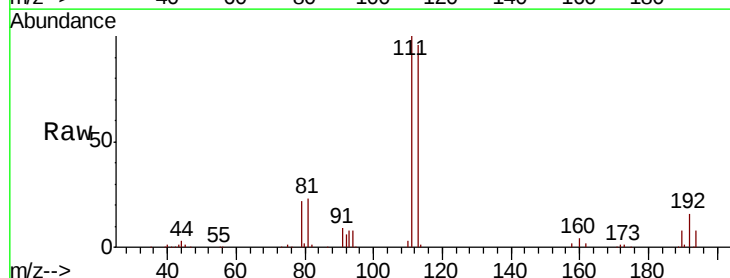
Tgt Ion:113 Resp: 139234

Ion Ratio Lower Upper

113 100

111 104.3 87.1 130.7

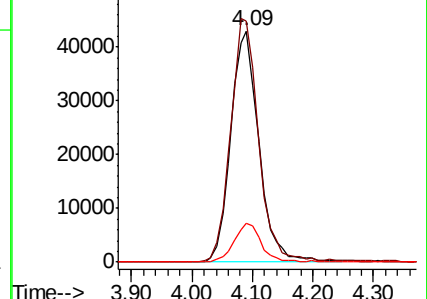
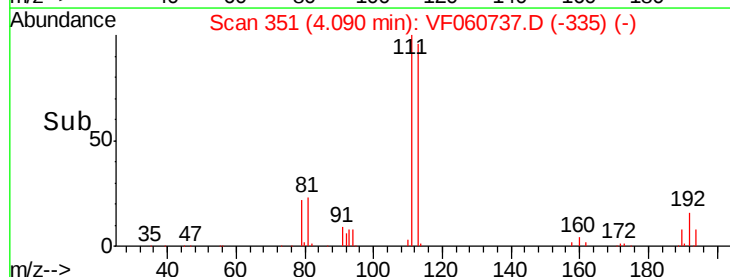
192 16.7 13.8 20.6

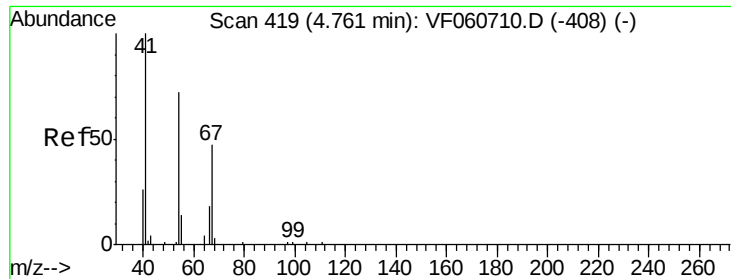


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

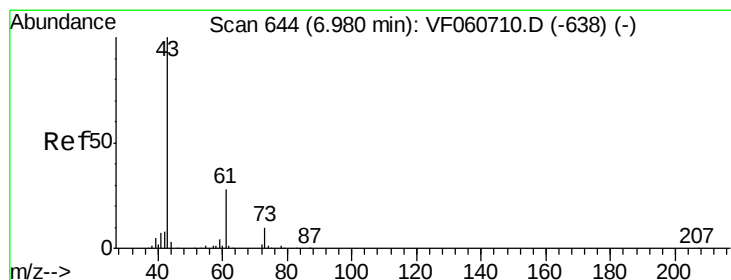
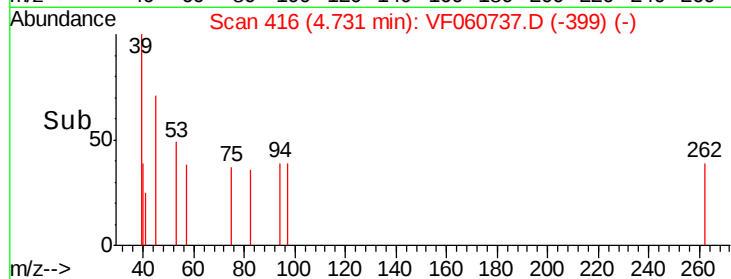
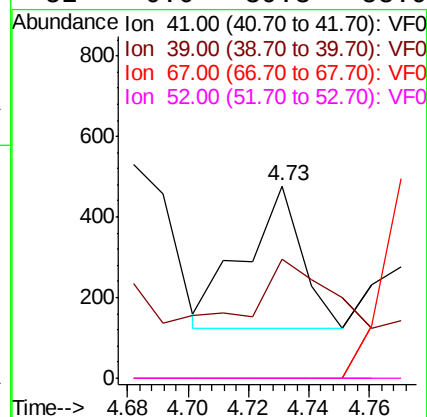
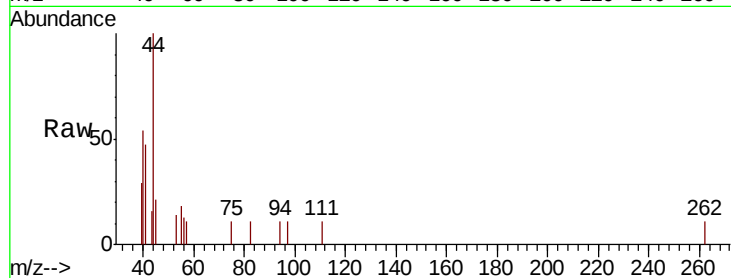




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.73 min Scan# 416
Delta R.T. -0.03 min
Lab File: VF060737.D
Acq: 14 Nov 2018 21:17

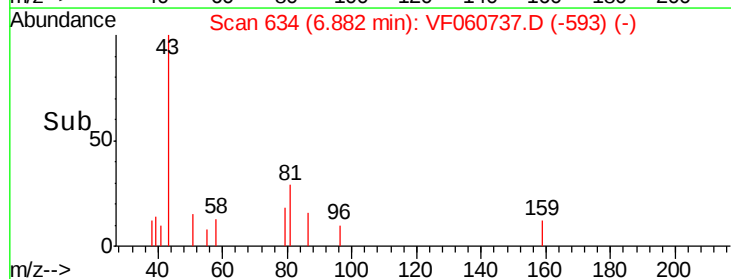
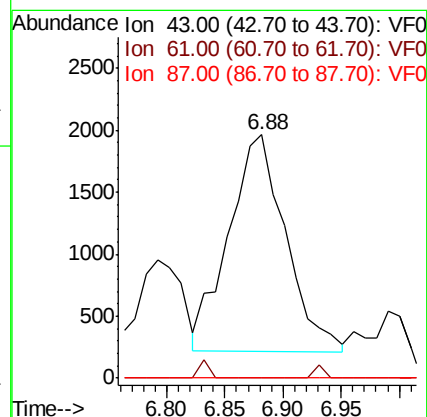
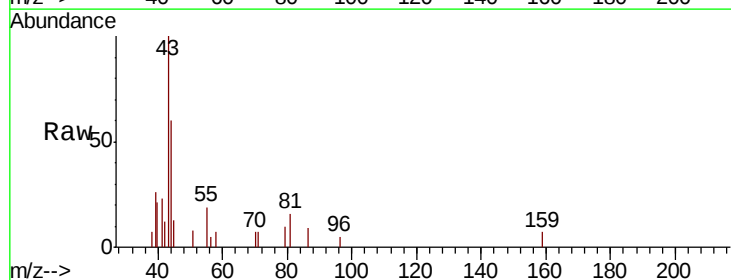
Instrument :
MSVOA_F
ClientSampled :
T-6

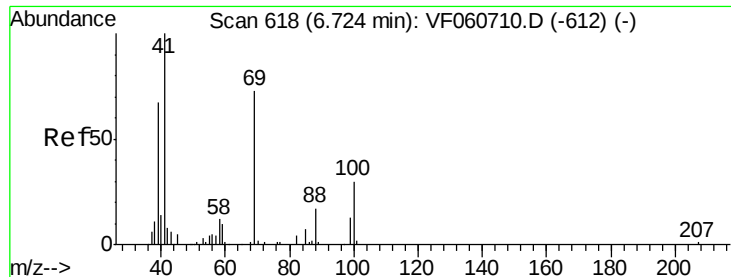
Tgt Ion:	41	Resp:	471
Ion	Ratio	Lower	Upper
41	100		
39	61.9	47.1	70.7
67	0.0	37.1	55.7#
52	0.0	39.3	58.9#



#43
Isopropyl Acetate
Concen: 2.400 ug/l
RT: 6.88 min Scan# 634
Delta R.T. -0.10 min
Lab File: VF060737.D
Acq: 14 Nov 2018 21:17

Tgt Ion:	43	Resp:	5923
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.2	33.4#
87	0.0	0.4	0.6#

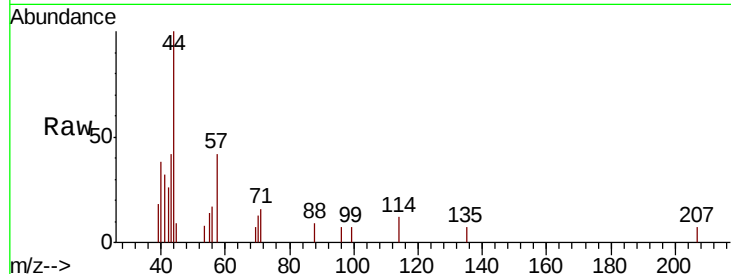




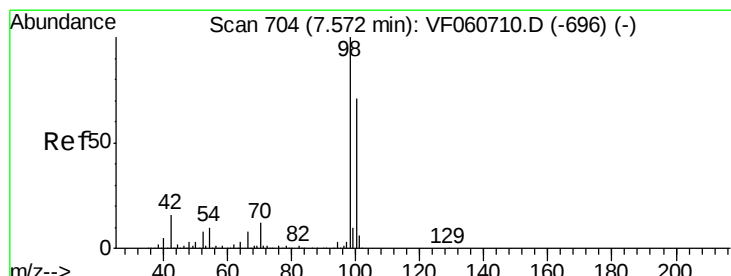
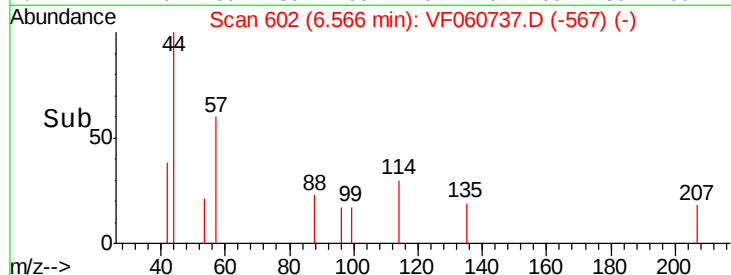
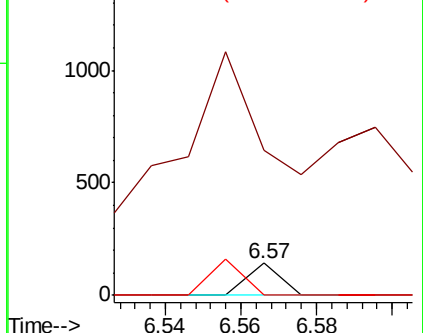
#49
1,4-Dioxane
Concen: 5.565 ug/l
RT: 6.57 min Scan# 602
Delta R.T. -0.16 min
Lab File: VF060737.D
Acq: 14 Nov 2018 21:17

Instrument :
MSVOA_F
ClientSampled :
T-6

Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 447.2 44.6 66.8#
58 0.0 54.5 81.7#

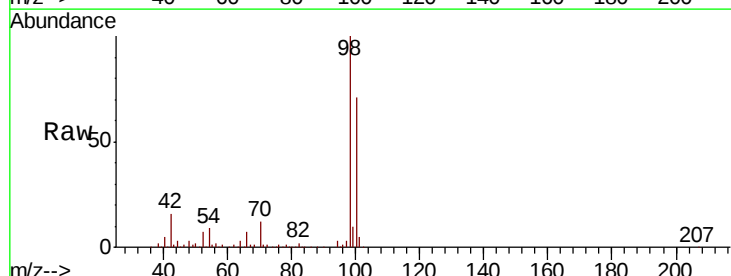


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

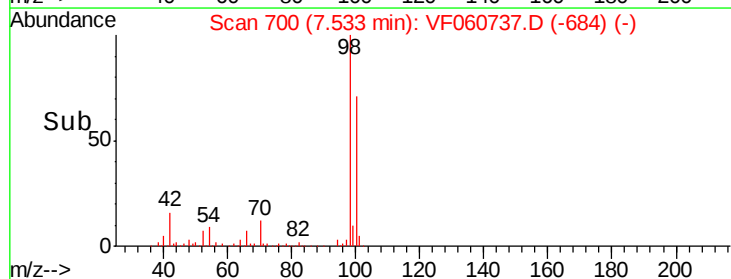
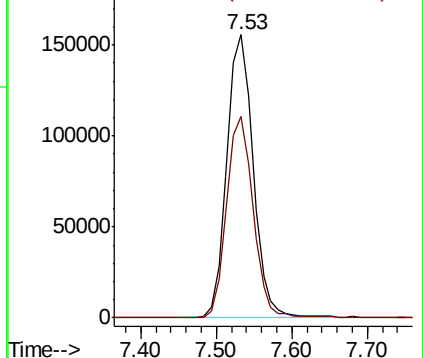


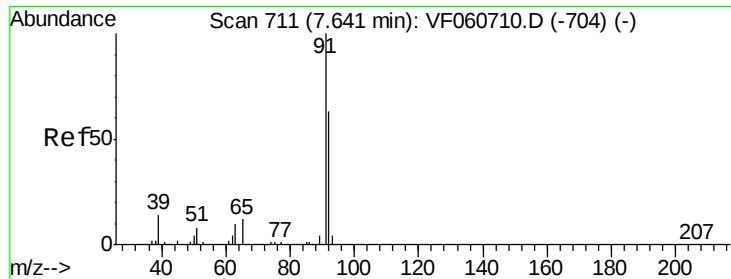
#50
Toluene-d8
Concen: 44.708 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.04 min
Lab File: VF060737.D
Acq: 14 Nov 2018 21:17

Tgt Ion: 98 Resp: 375497
Ion Ratio Lower Upper
98 100
100 71.2 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: 1.045 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.04 min

Lab File: VF060737.D

Acq: 14 Nov 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

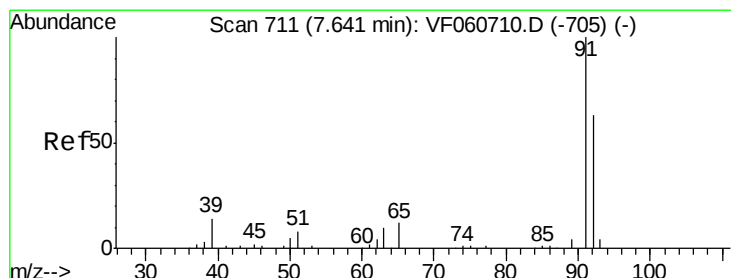
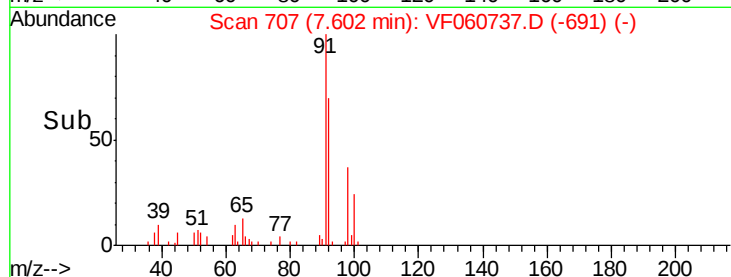
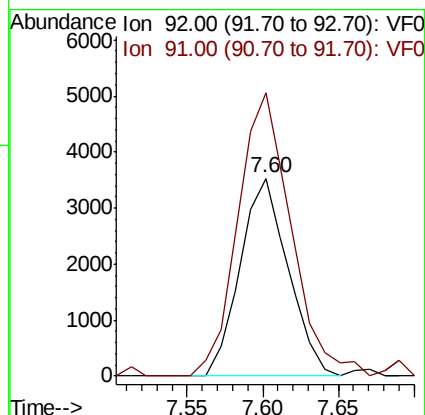
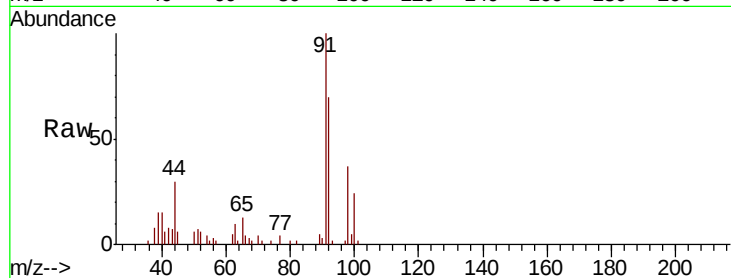
T-6

Tgt Ion: 92 Resp: 7814

Ion Ratio Lower Upper

92 100

91 142.8 126.7 190.1



#58

2-Chloroethyl Vinyl ether

Concen: 5.770 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.04 min

Lab File: VF060737.D

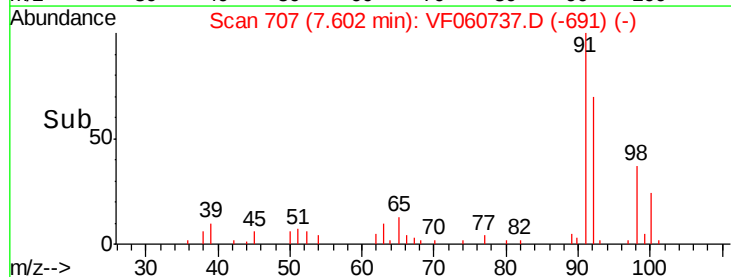
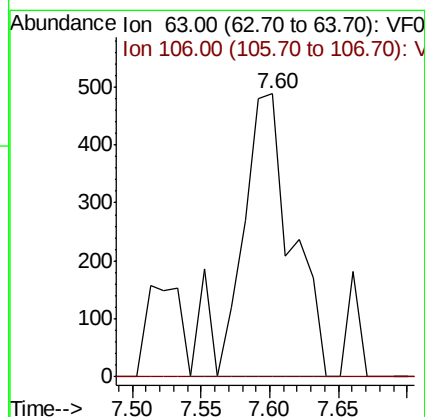
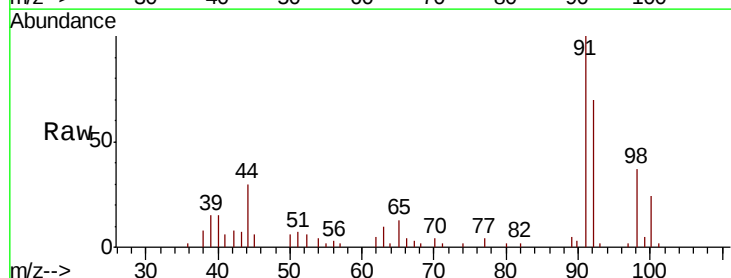
Acq: 14 Nov 2018 21:17

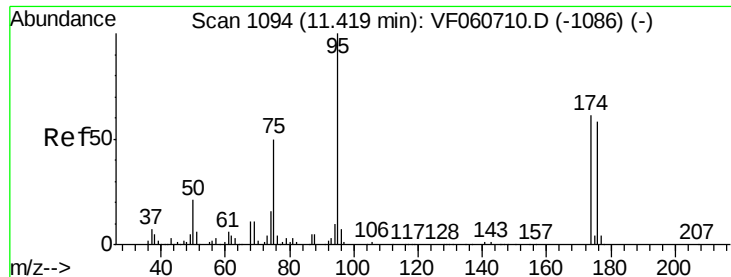
Tgt Ion: 63 Resp: 1279

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#62

4-Bromofluorobenzene

Concen: 47.672 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.03 min

Lab File: VF060737.D

Acq: 14 Nov 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

T-6

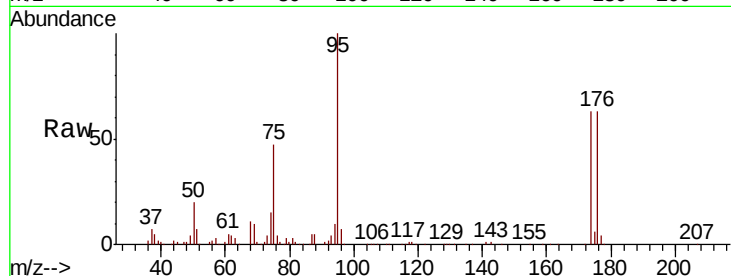
Tgt Ion: 95 Resp: 183773

Ion Ratio Lower Upper

95 100

174 63.5 0.0 121.6

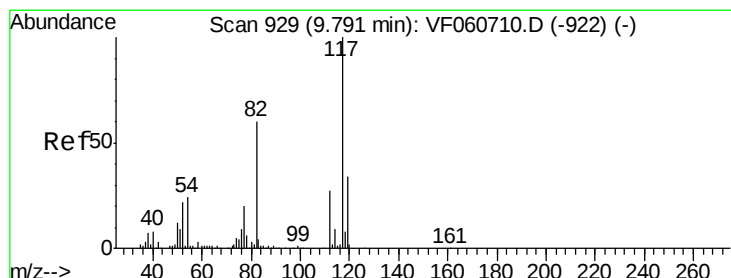
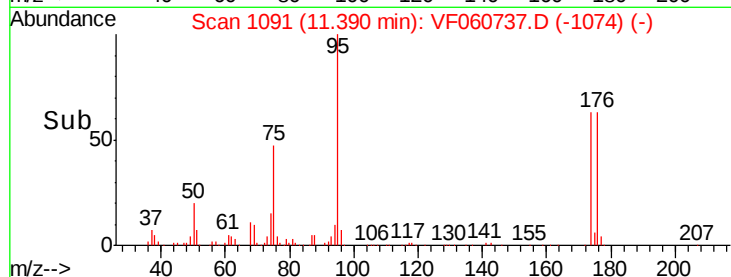
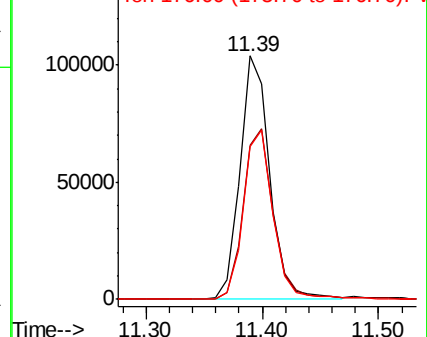
176 62.7 0.0 115.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.04 min

Lab File: VF060737.D

Acq: 14 Nov 2018 21:17

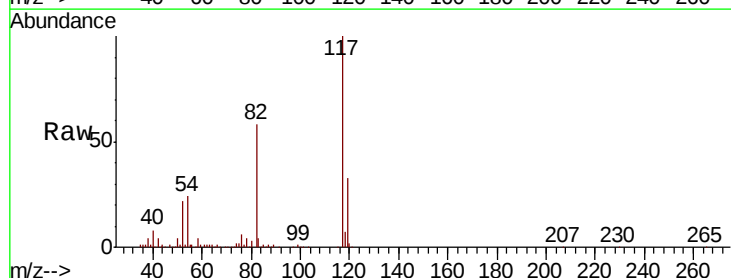
Tgt Ion: 117 Resp: 405171

Ion Ratio Lower Upper

117 100

82 57.9 47.9 71.9

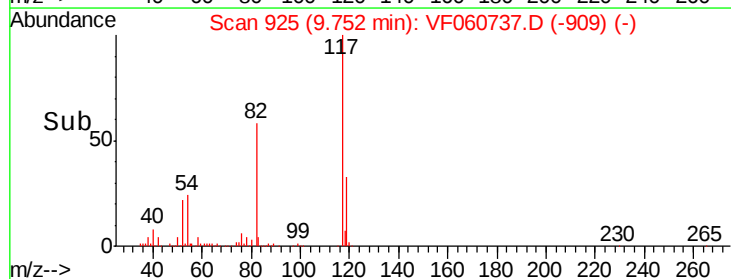
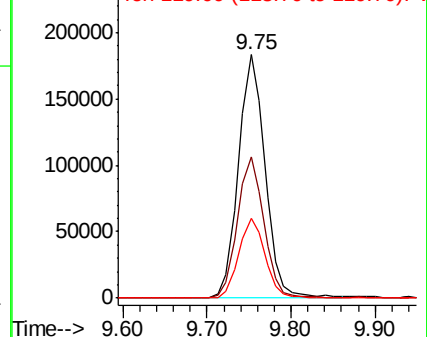
119 32.9 26.8 40.2

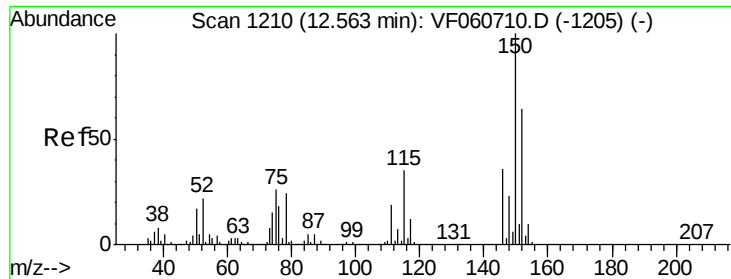


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.03 min

Lab File: VF060737.D

Acq: 14 Nov 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

T-6

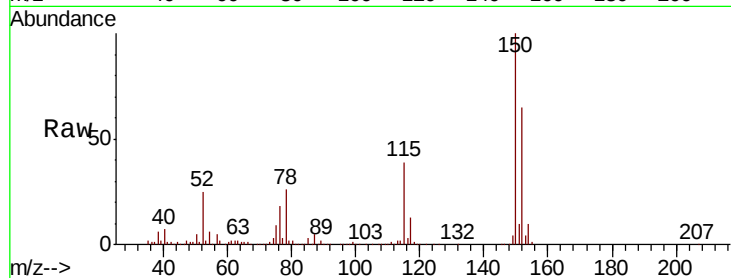
Tgt Ion:152 Resp: 227790

Ion Ratio Lower Upper

152 100

115 60.5 27.9 83.7

150 153.6 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

