

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120718\
 Data File : VF060944.D
 Acq On : 7 Dec 2018 22:27
 Operator : VA/AP
 Sample : J6260-07
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-03-6.5-7.0

Quant Time: Dec 08 01:59:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	206850	50.00	ug/l	-0.07
34) 1,4-Difluorobenzene	5.57	114	353210	50.00	ug/l	-0.07
63) Chlorobenzene-d5	9.76	117	260665	50.00	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	12.54	152	92573	50.00	ug/l	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	105587	43.33	ug/l	-0.06
Spiked Amount 50.000			Recovery =	86.66%		
35) Dibromofluoromethane	4.09	113	118684	42.36	ug/l	-0.06
Spiked Amount 50.000			Recovery =	84.72%		
50) Toluene-d8	7.54	98	259582	31.45	ug/l	-0.06
Spiked Amount 50.000			Recovery =	62.90%		
62) 4-Bromofluorobenzene	11.39	95	96517	25.73	ug/l	-0.05
Spiked Amount 50.000			Recovery =	51.46%		

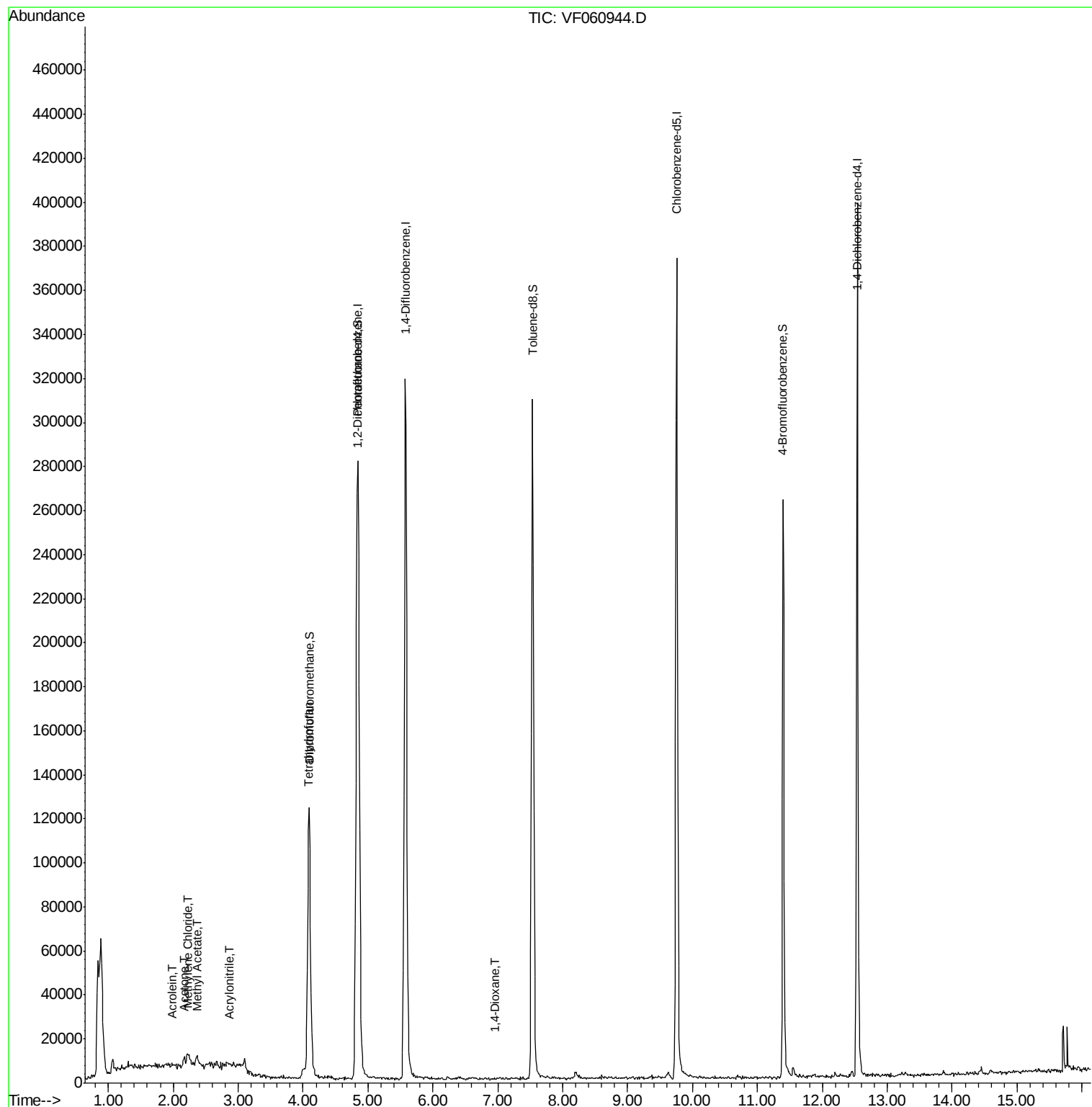
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	1.98	56	232	2.451	ug/l #	1
15) Acrylonitrile	2.87	53	291	1.299	ug/l #	34
16) Acetone	2.17	43	731	1.627	ug/l	94
18) Methyl Acetate	2.37	43	5746	6.175	ug/l #	61
20) Methylene Chloride	2.23	84	4084	2.477	ug/l #	64
29) Tetrahydrofuran	4.07	42	334	1.014	ug/l #	37
41) Methacrylonitrile	4.73	41	320	Below Cal	#	51
43) Isopropyl Acetate	6.90	43	105	Below Cal	#	49
49) 1,4-Dioxane	6.96	88	64	6.068	ug/l #	17
95) Naphthalene	14.44	128	1561	Below Cal	#	84

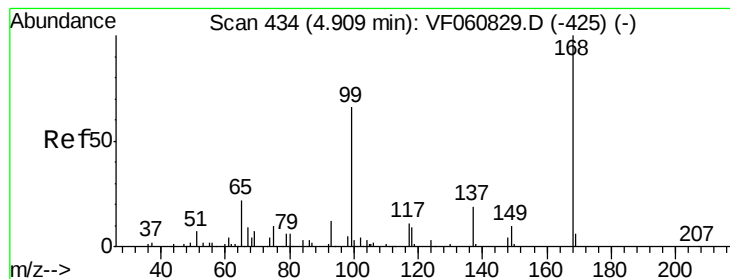
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.07 min

Lab File: VF060944.D

Acq: 7 Dec 2018 22:27

Instrument :

MSVOA_F

ClientSampleId :

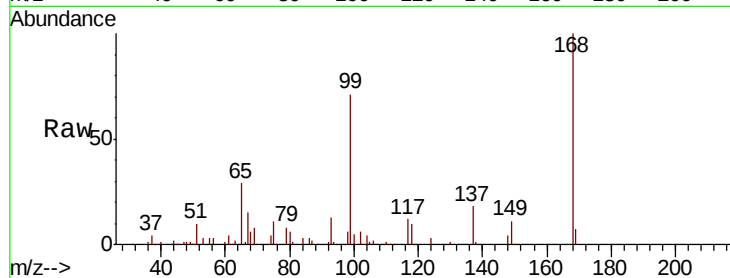
SB-03-6.5-7.0

Tot Ion:168 Resp: 206850

Ion Ratio Lower Upper

168 100

99 71.4 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

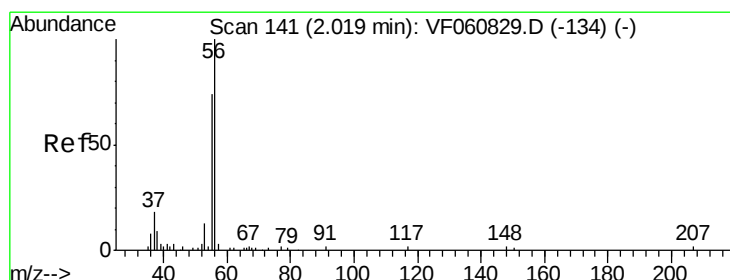
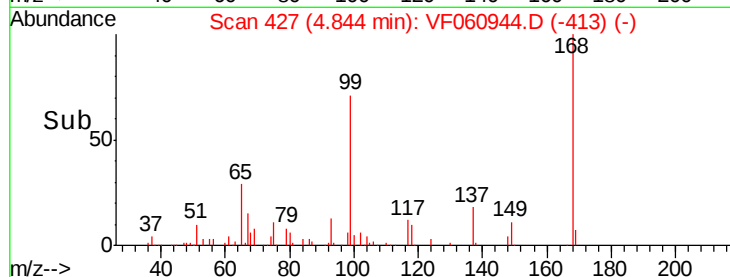
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 2.451 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.04 min

Lab File: VF060944.D

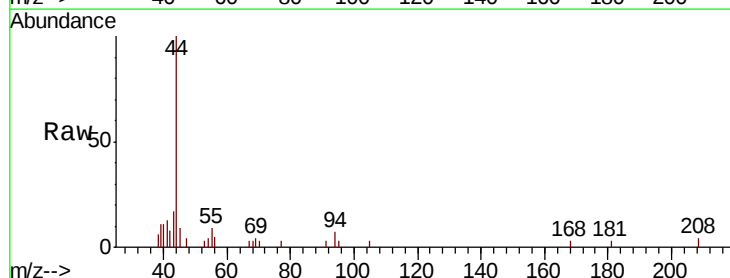
Acq: 7 Dec 2018 22:27

Tgt Ion: 56 Resp: 232

Ion Ratio Lower Upper

56 100

55 175.1 61.2 91.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.98

400

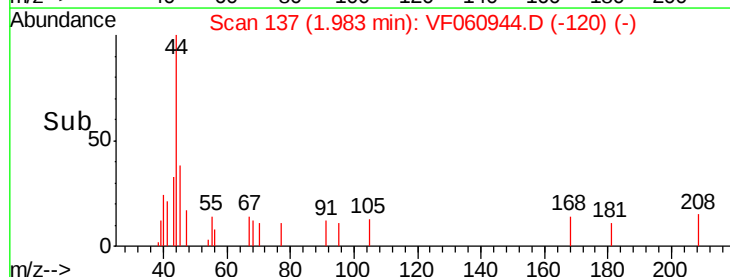
300

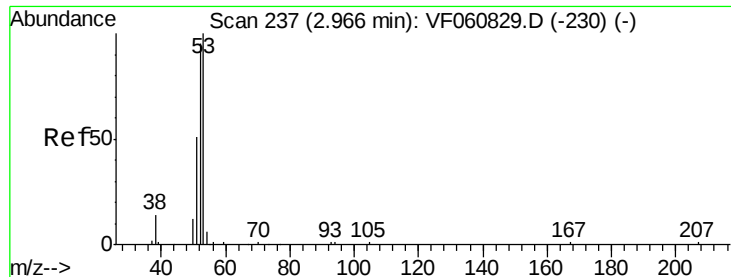
200

100

0

Time-->





#15

Acrylonitrile

Concen: 1.299 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.09 min

Lab File: VF060944.D

Acq: 7 Dec 2018 22:27

Instrument :

MSVOA_F

ClientSampleId :

SB-03-6.5-7.0

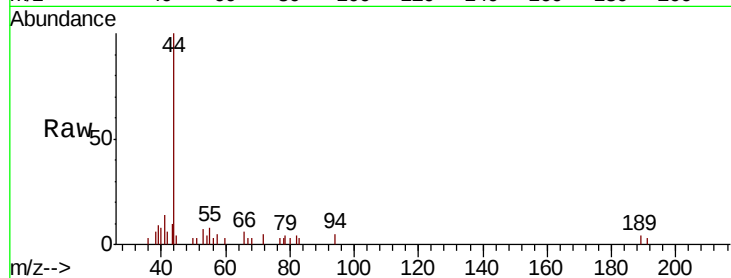
Tot Ion: 53 Resp: 291

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

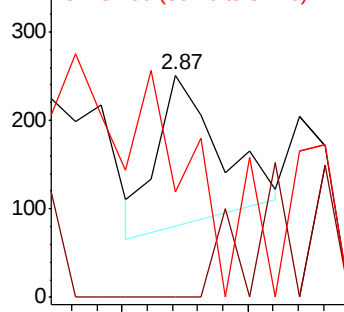
51 47.4 40.7 61.1



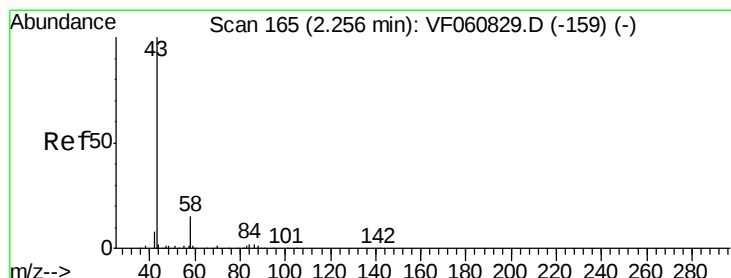
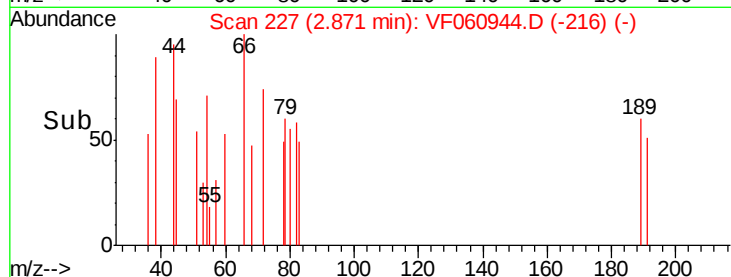
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 1.627 ug/l

RT: 2.17 min Scan# 156

Delta R.T. -0.09 min

Lab File: VF060944.D

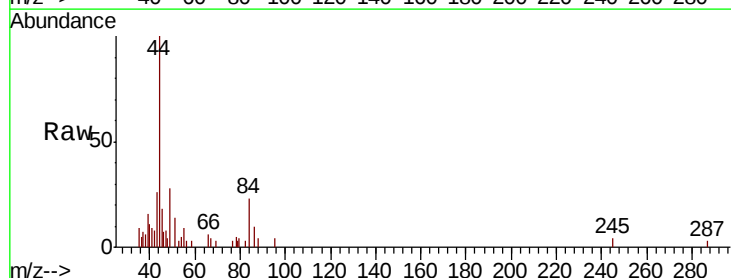
Acq: 7 Dec 2018 22:27

Tgt Ion: 43 Resp: 731

Ion Ratio Lower Upper

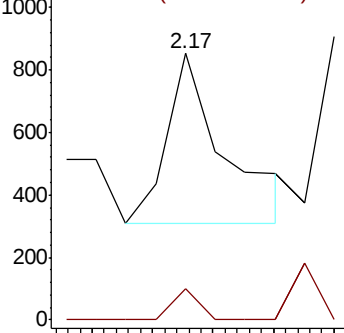
43 100

58 11.9 11.4 17.2

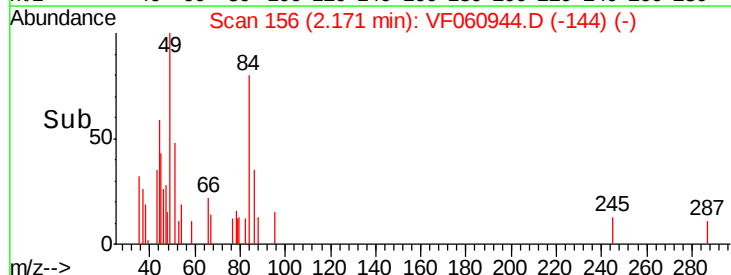


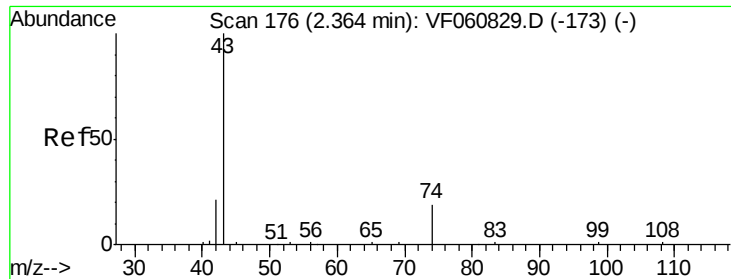
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

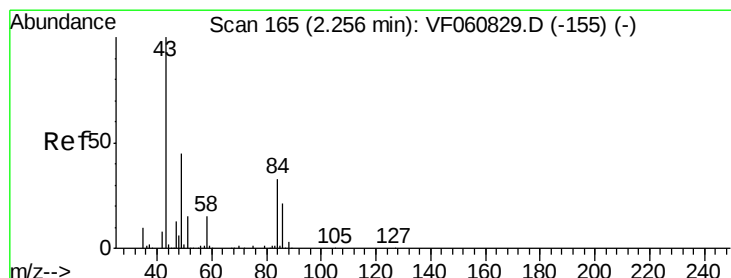
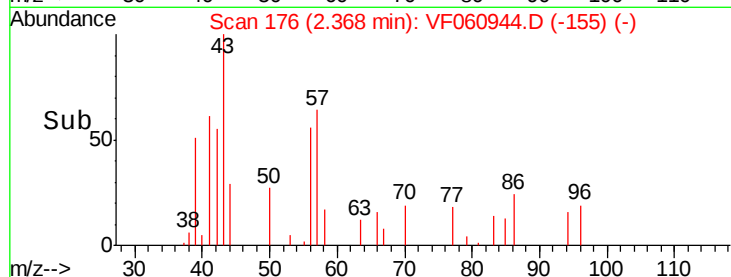
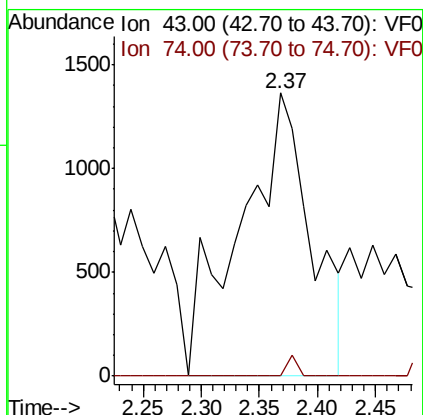
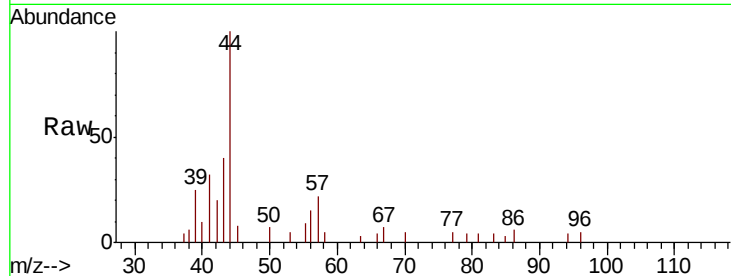




#18
Methyl Acetate
Concen: 6.175 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF060944.D
Acq: 7 Dec 2018 22:27

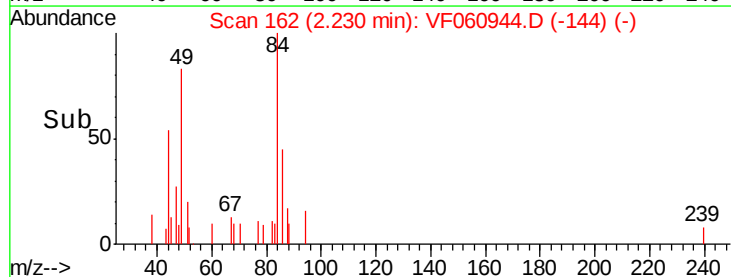
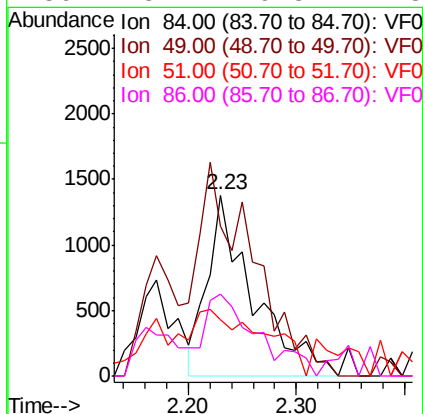
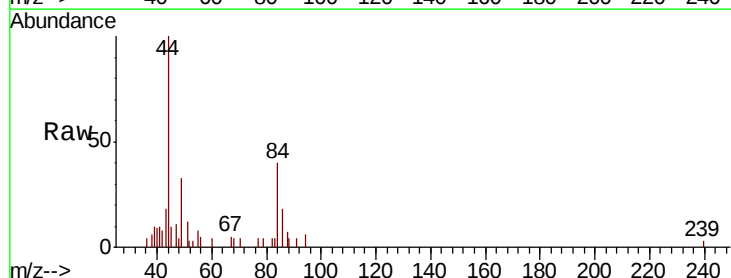
Instrument :
MSVOA_F
ClientSampleId :
SB-03-6.5-7.0

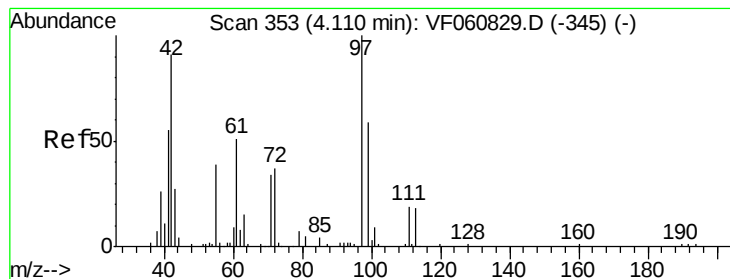
Tot Ion: 43 Resp: 5746
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#20
Methylene Chloride
Concen: 2.477 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.03 min
Lab File: VF060944.D
Acq: 7 Dec 2018 22:27

Tgt Ion: 84 Resp: 4084
Ion Ratio Lower Upper
84 100
49 82.7 111.3 166.9#
51 31.2 38.0 57.0#
86 45.2 49.8 74.8#





#29

Tetrahydrofuran

Concen: 1.014 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF060944.D

Acq: 7 Dec 2018 22:27

Instrument :

MSVOA_F

ClientSampleId :

SB-03-6.5-7.0

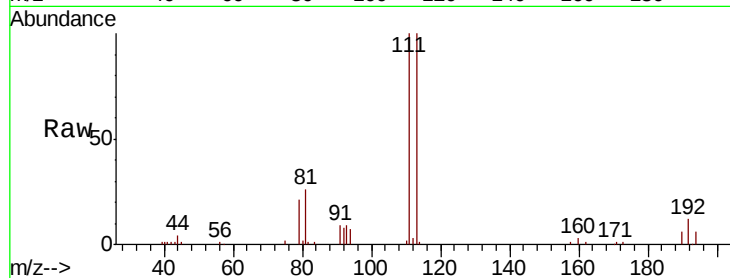
Tot Ion: 42 Resp: 334

Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

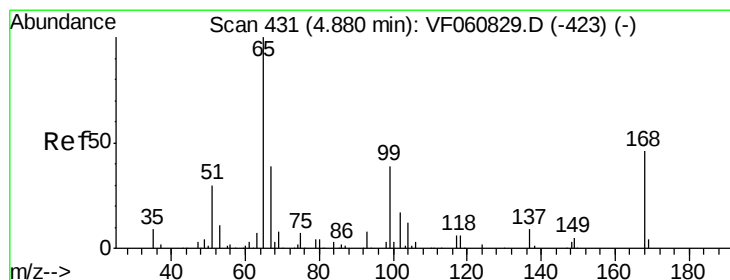
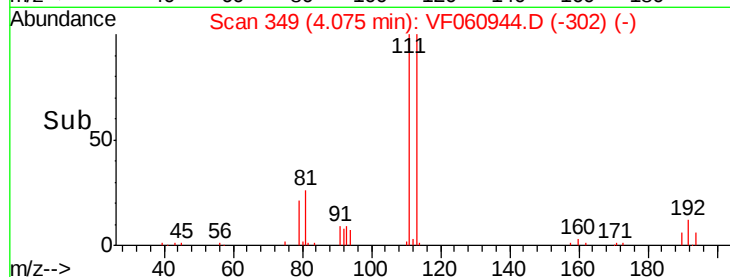
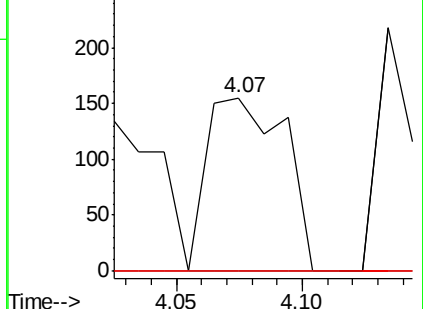
71 0.0 28.7 43.1#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 43.331 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.06 min

Lab File: VF060944.D

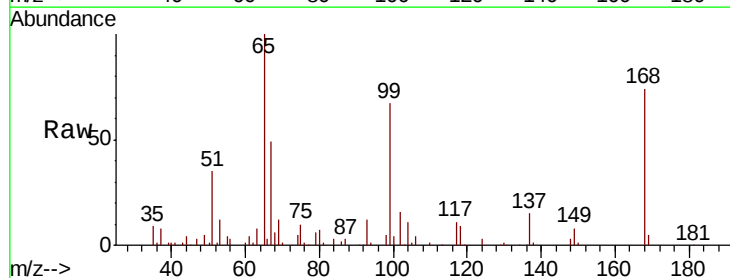
Acq: 7 Dec 2018 22:27

Tgt Ion: 65 Resp: 105587

Ion Ratio Lower Upper

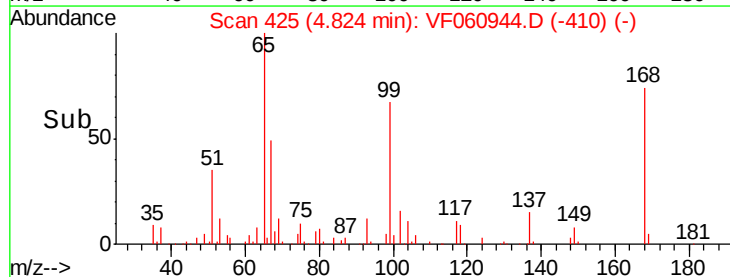
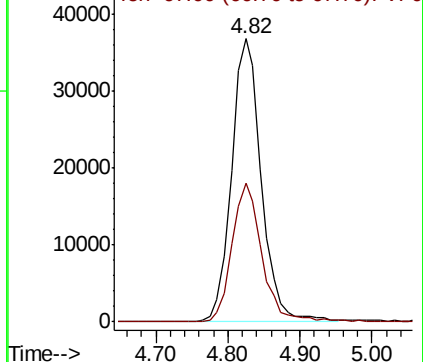
65 100

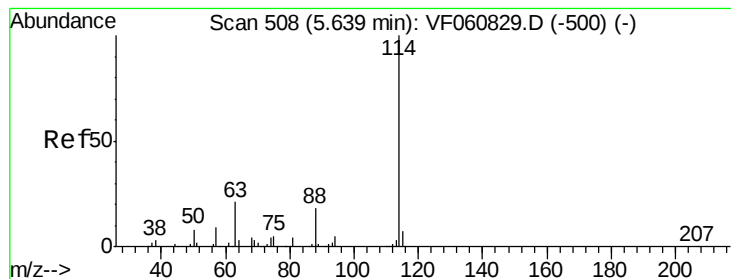
67 48.8 0.0 96.4



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: 5.57 min Scan# 501

Delta R.T. -0.07 min

Lab File: VF060944.D

Acq: 7 Dec 2018 22:27

Instrument :

MSVOA_F

ClientSampleId :

SB-03-6.5-7.0

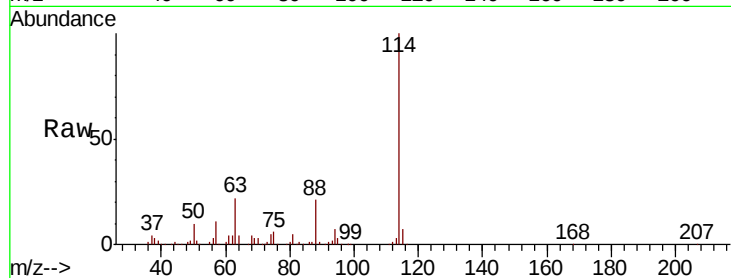
Tot Ion:114 Resp: 353210

Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.6

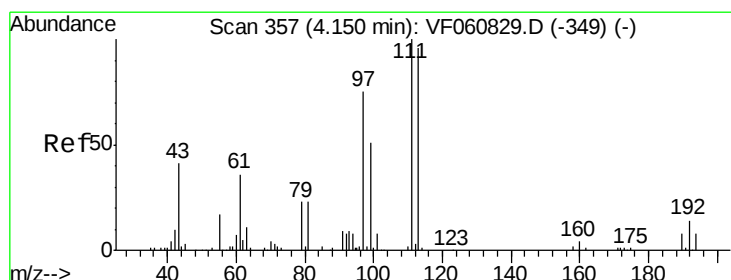
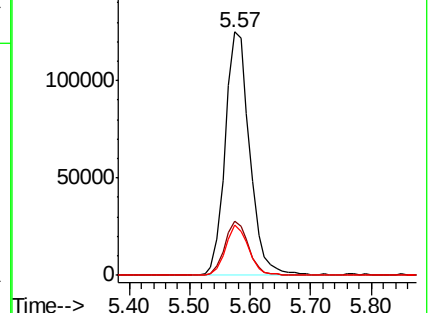
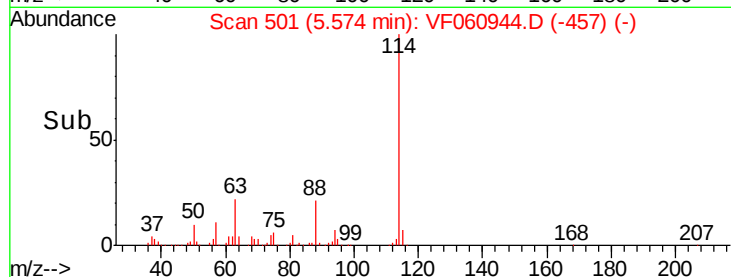
88 20.5 0.0 36.6



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: 42.355 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.06 min

Lab File: VF060944.D

Acq: 7 Dec 2018 22:27

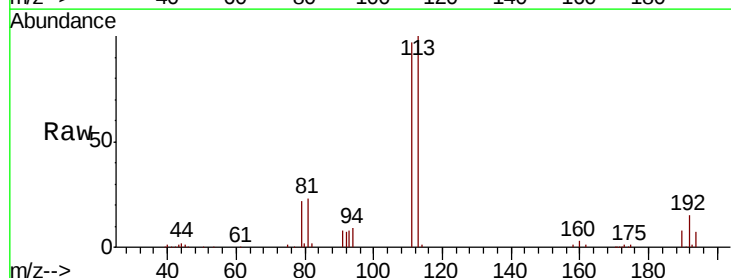
Tgt Ion:113 Resp: 118684

Ion Ratio Lower Upper

113 100

111 97.1 83.0 124.6

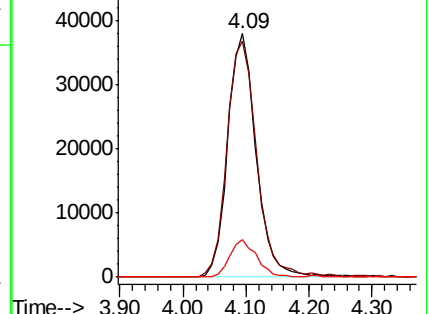
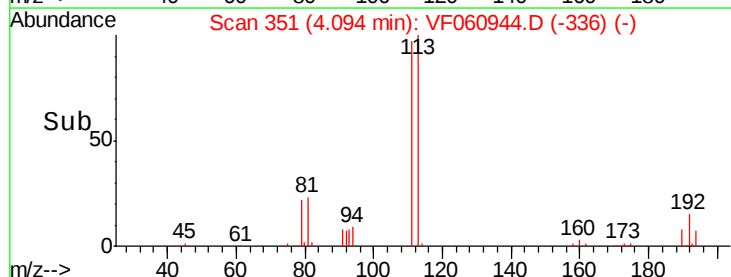
192 15.5 12.3 18.5

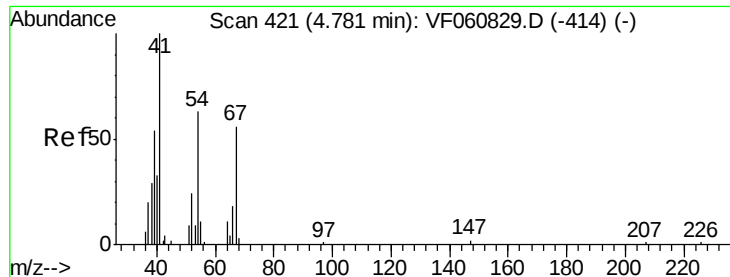


Abundance Ion 113.00 (112.70 to 113.70): V

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# 415

Delta R.T. -0.06 min

Lab File: VF060944.D

Acq: 7 Dec 2018 22:27

Instrument :

MSVOA_F

ClientSampleId :

SB-03-6.5-7.0

Tot Ion: 41 Resp: 320

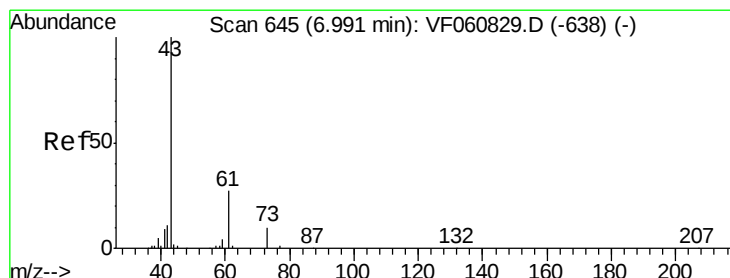
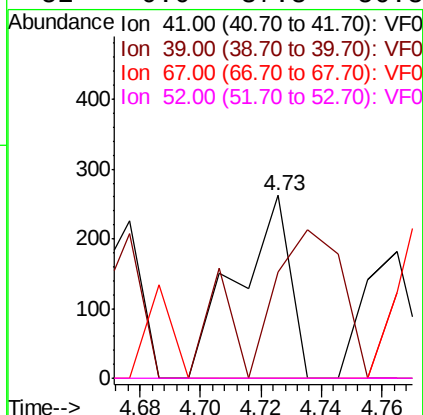
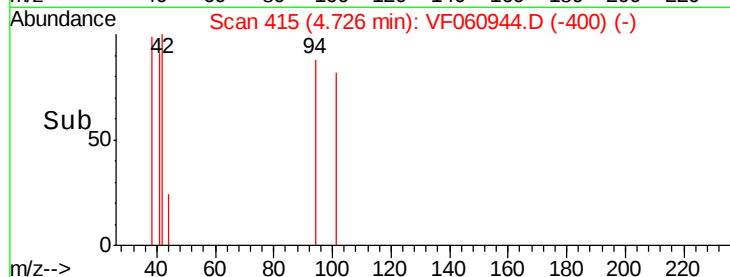
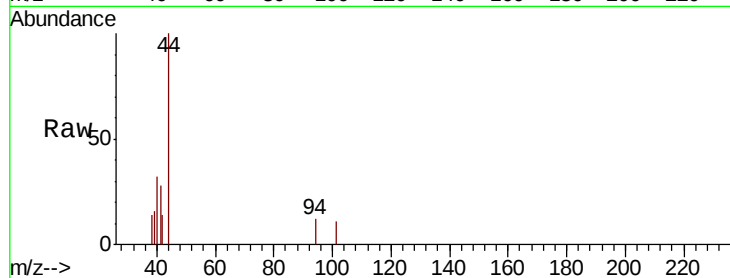
Ion Ratio Lower Upper

41 100

39 58.0 53.0 79.6

67 0.0 43.8 65.6#

52 0.0 37.8 56.8#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 6.90 min Scan# 635

Delta R.T. -0.09 min

Lab File: VF060944.D

Acq: 7 Dec 2018 22:27

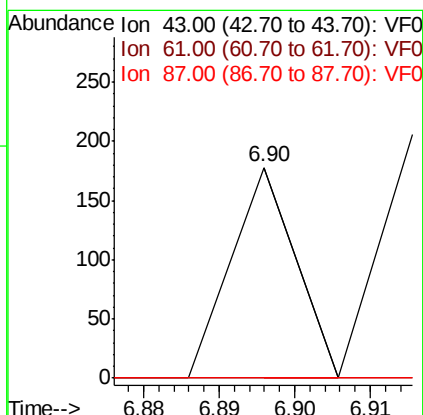
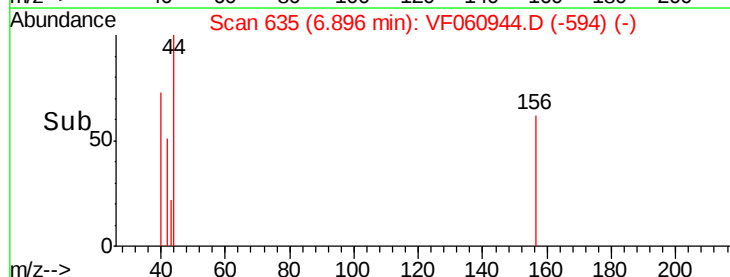
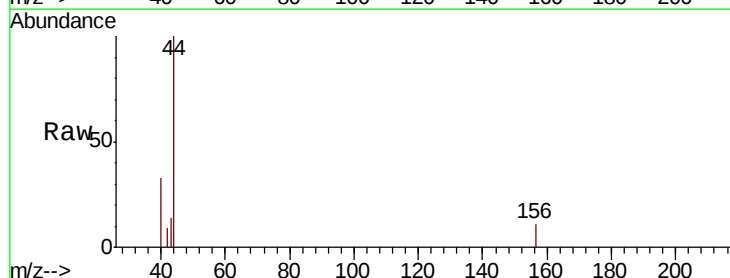
Tgt Ion: 43 Resp: 105

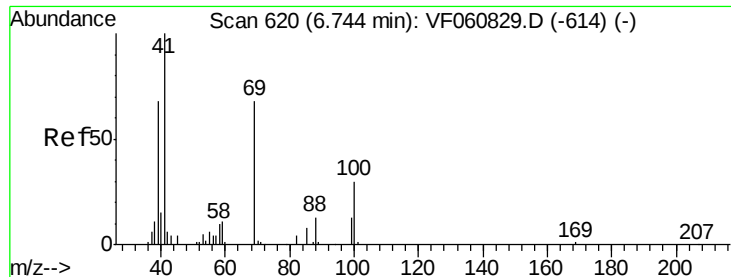
Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

87 0.0 0.2 0.4#

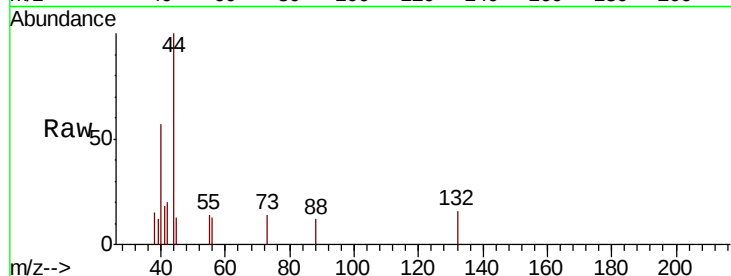




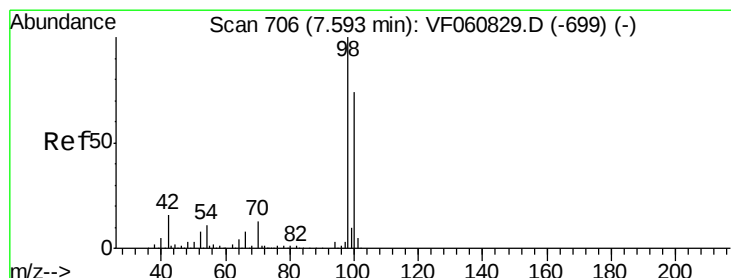
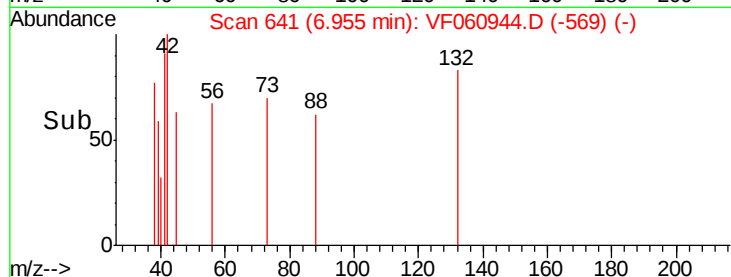
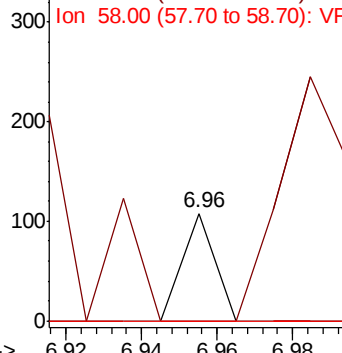
#49
1,4-Dioxane
Concen: 6.068 ug/l
RT: 6.96 min Scan# 641
Delta R.T. 0.21 min
Lab File: VF060944.D
Acq: 7 Dec 2018 22:27

Instrument :
MSVOA_F
ClientSampleId :
SB-03-6.5-7.0

Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 42.0 63.0#
58 0.0 61.8 92.8#

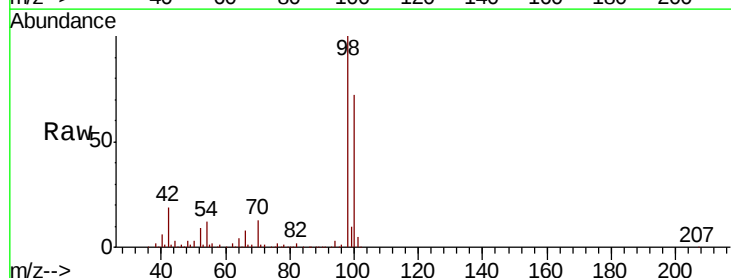


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

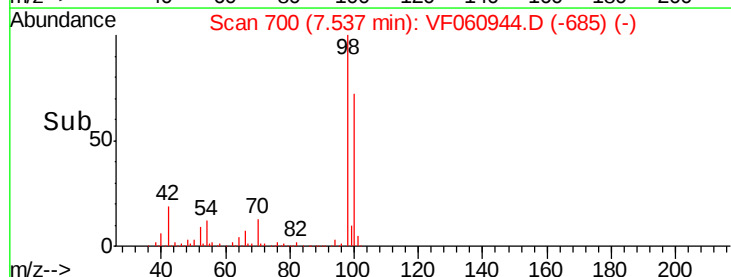
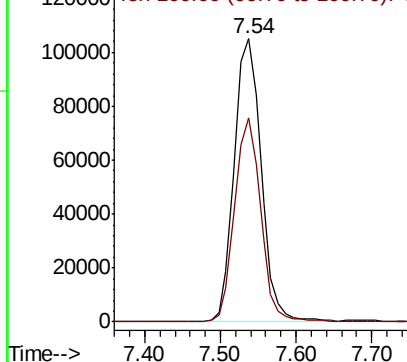


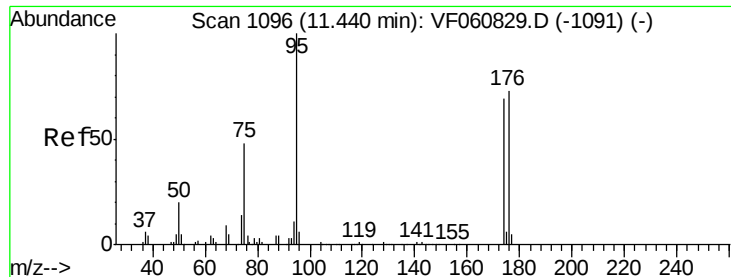
#50
Toluene-d8
Concen: 31.449 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.06 min
Lab File: VF060944.D
Acq: 7 Dec 2018 22:27

Tgt Ion: 98 Resp: 259582
Ion Ratio Lower Upper
98 100
100 72.0 59.3 88.9



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





#62

4-Bromofluorobenzene

Concen: 25.728 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.05 min

Lab File: VF060944.D

Acq: 7 Dec 2018 22:27

Instrument :

MSVOA_F

ClientSampleId :

SB-03-6.5-7.0

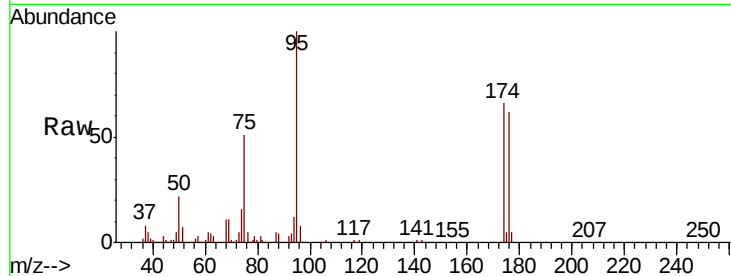
Tot Ion: 95 Resp: 96517

Ion Ratio Lower Upper

95 100

174 66.1 0.0 138.2

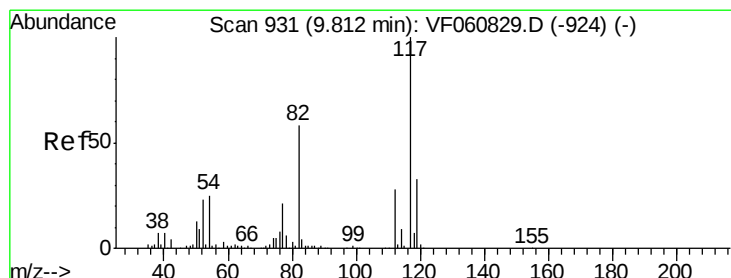
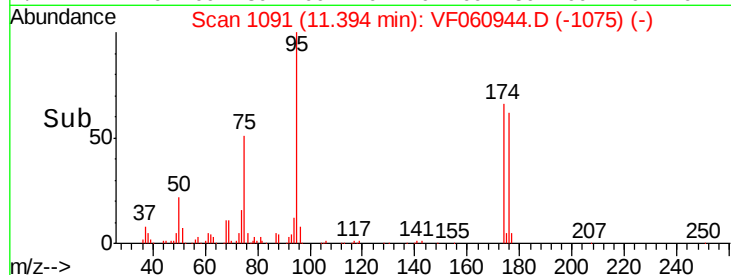
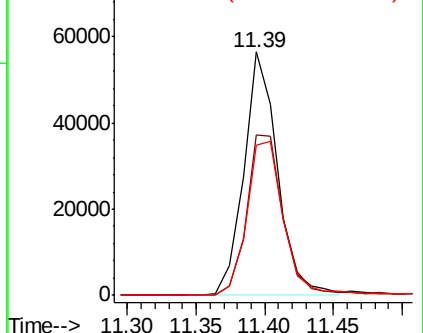
176 61.6 0.0 146.2



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: 9.76 min Scan# 925

Delta R.T. -0.06 min

Lab File: VF060944.D

Acq: 7 Dec 2018 22:27

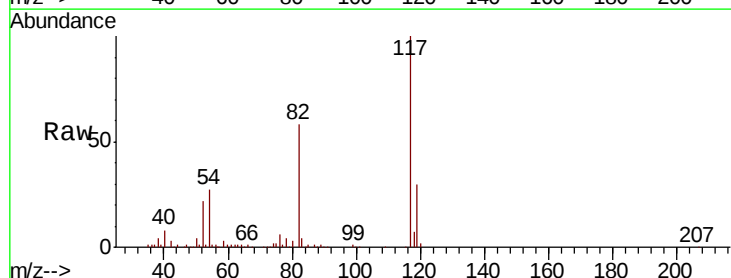
Tgt Ion: 117 Resp: 260665

Ion Ratio Lower Upper

117 100

82 57.9 46.6 69.8

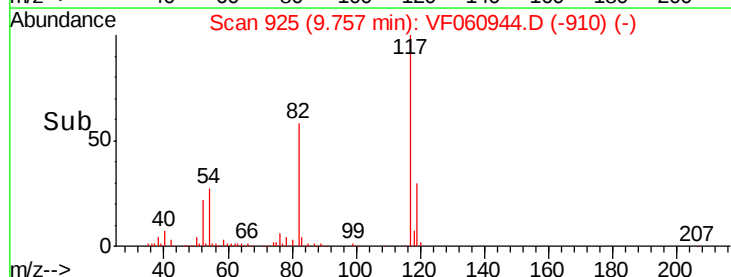
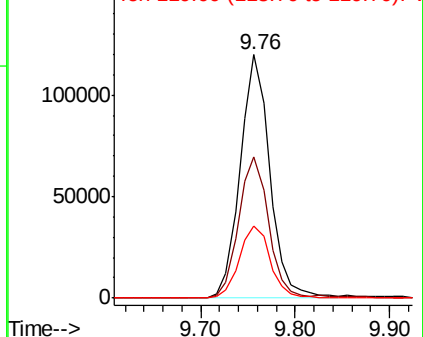
119 29.8 26.4 39.6

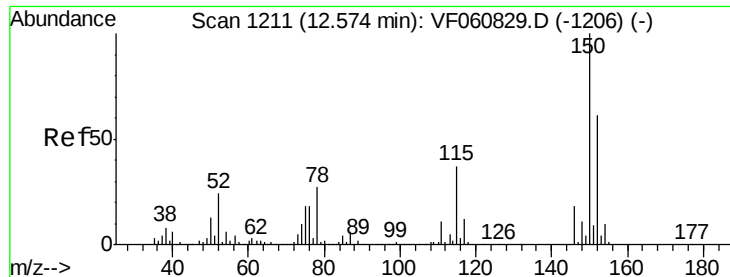


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



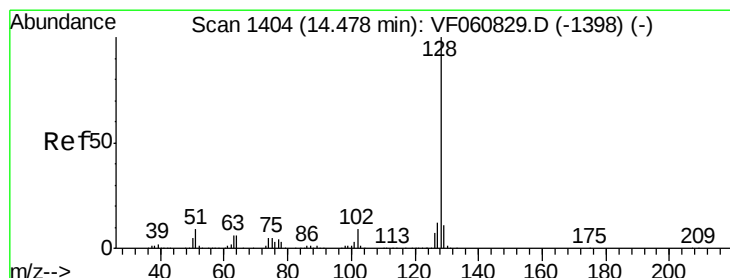
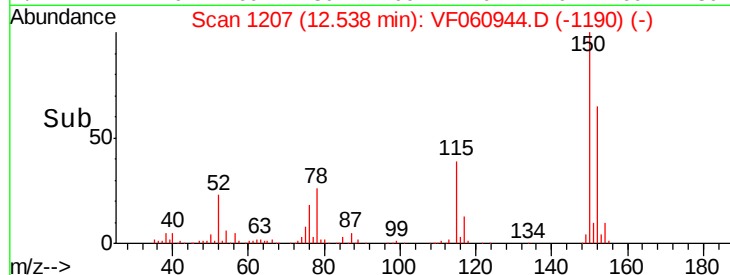
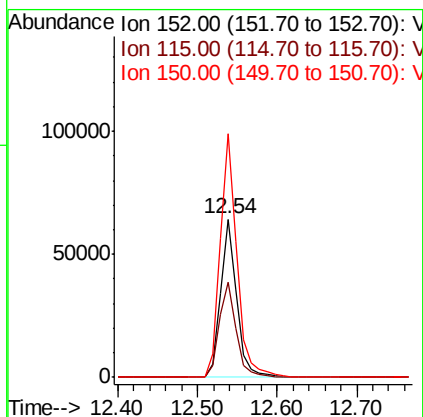
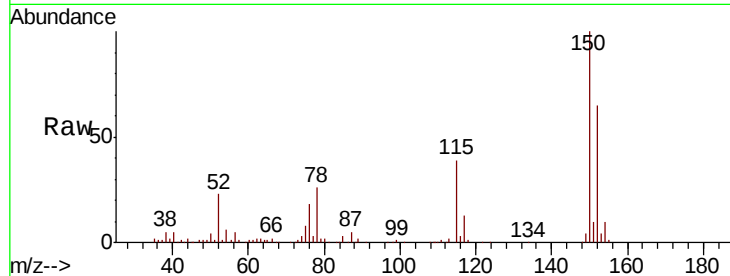


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.04 min
Lab File: VF060944.D
Acq: 7 Dec 2018 22:27

Instrument :
MSVOA_F
ClientSampled :
SB-03-6.5-7.0

Tot Ion:152 Resp: 92573
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.5
150 154.1 0.0 327.6



#95

Naphthalene
Concen: Below Cal
RT: 14.44 min Scan# 1400
Delta R.T. -0.03 min
Lab File: VF060944.D
Acq: 7 Dec 2018 22:27

Tgt Ion:128 Resp: 1561
Ion Ratio Lower Upper
128 100
127 23.1 9.9 14.9#
129 12.9 9.1 13.7

