

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060112.D
 Acq On : 24 Aug 2018 20:54
 Operator : VA/AP
 Sample : J4270-01
 Misc : 6.79g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BU-03-082318

Quant Time: Aug 25 03:48:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	165037	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.75	114	260166	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	241798	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	116008	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	96405	42.68	ug/l	-0.03
Spiked Amount			Recovery	=	85.36%	
35) Dibromofluoromethane	4.27	113	100184	49.04	ug/l	-0.03
Spiked Amount			Recovery	=	98.08%	
50) Toluene-d8	7.70	98	231573	39.91	ug/l	-0.03
Spiked Amount			Recovery	=	79.82%	
62) 4-Bromofluorobenzene	11.50	95	112269	36.58	ug/l	-0.02
Spiked Amount			Recovery	=	73.16%	

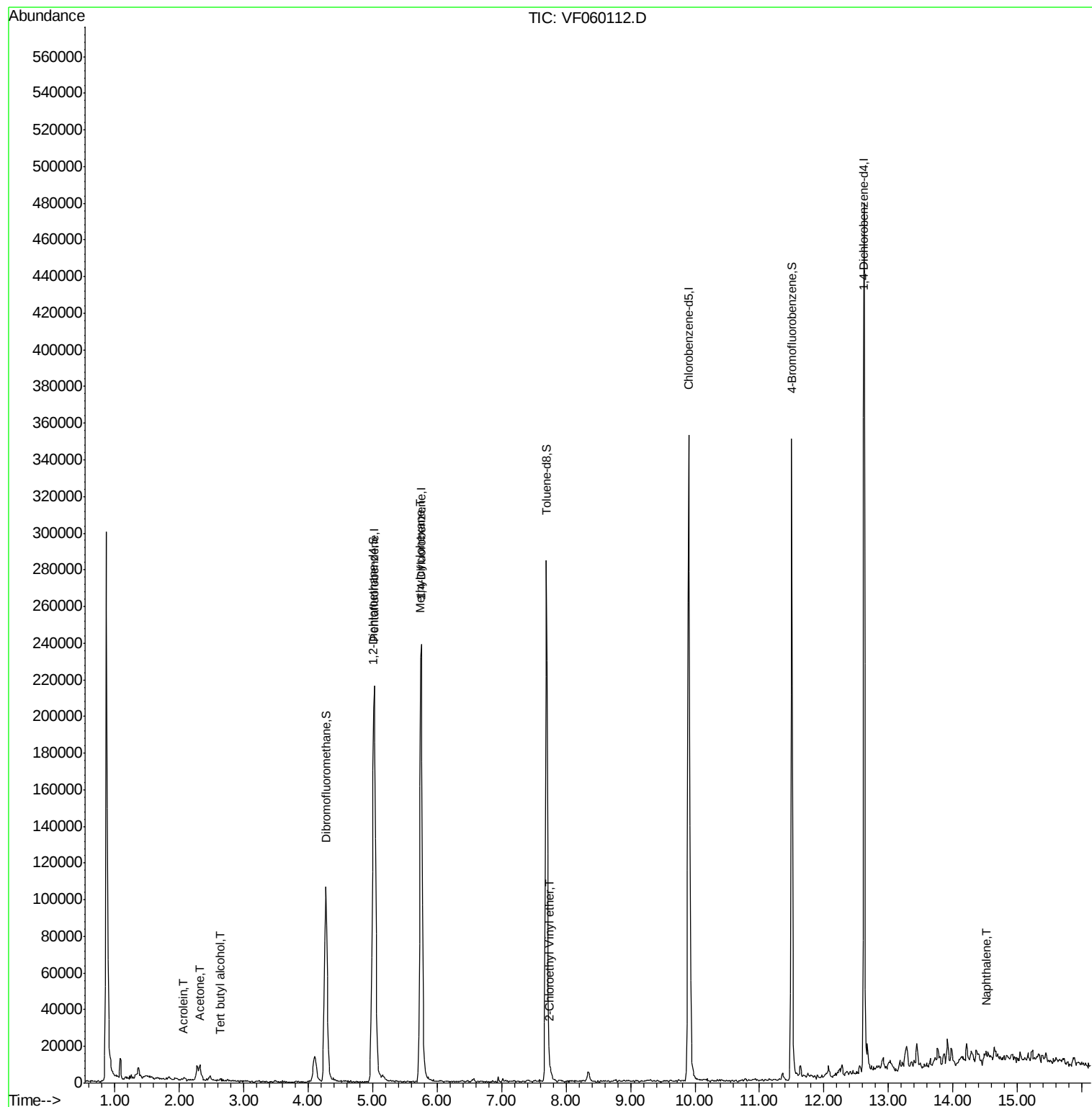
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	809	Below Cal	#	74
11) Tert butyl alcohol	2.63	59	615	5.12	ug/l	# 80
13) Acrolein	2.07	56	144	28.08	ug/l	# 8
16) Acetone	2.32	43	10581	17.82	ug/l	93
18) Methyl Acetate	2.44	43	1241	Below Cal	#	60
20) Methylene Chloride	2.28	84	3903	Below Cal	#	81
39) Methylcyclohexane	5.73	83	3895	1.70	ug/l	# 43
52) Toluene	7.77	92	722	Below Cal	#	65
58) 2-Chloroethyl Vinyl ether	7.75	63	153	1.11	ug/l	100
68) m/p-Xylenes	10.25	106	70	Below Cal		85
95) Naphthalene	14.52	128	1103	2.53	ug/l	# 69

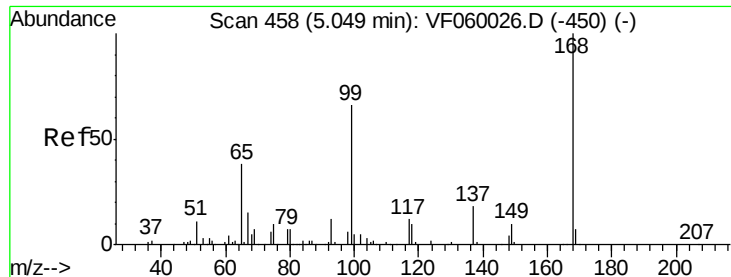
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082418\
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Quant Time: Aug 25 03:48:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF060112.D

Acq: 24 Aug 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

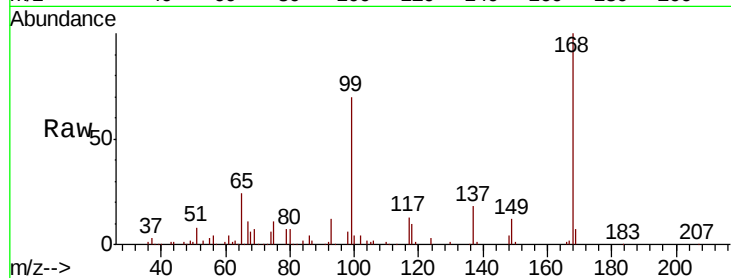
BU-03-082318

Tot Ion:168 Resp: 165037

Ion Ratio Lower Upper

168 100

99 70.1 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

60000

50000

40000

30000

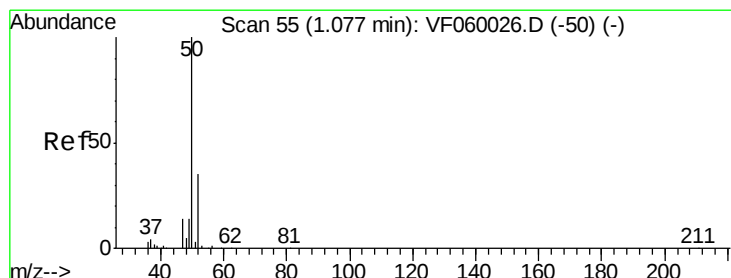
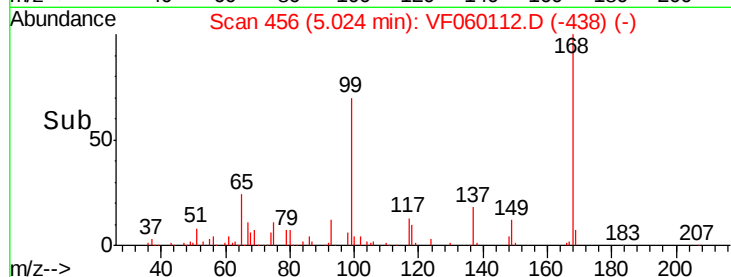
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF060112.D

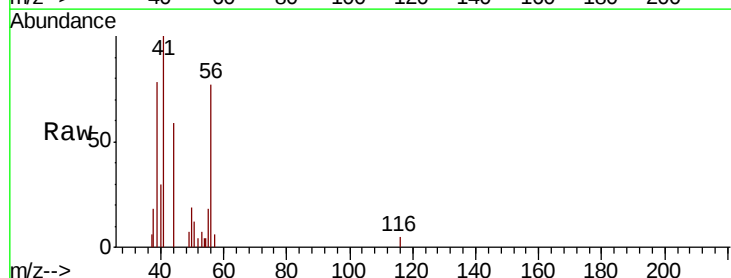
Acq: 24 Aug 2018 20:54

Tgt Ion: 50 Resp: 809

Ion Ratio Lower Upper

50 100

52 19.3 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

600

500

400

300

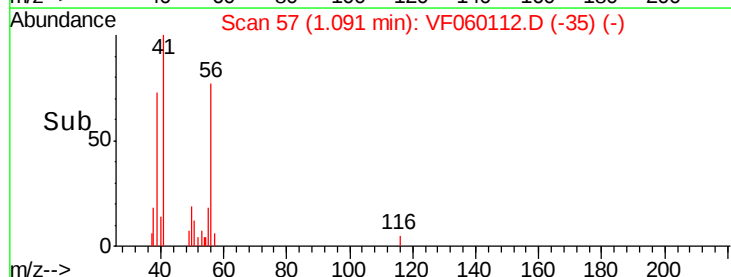
200

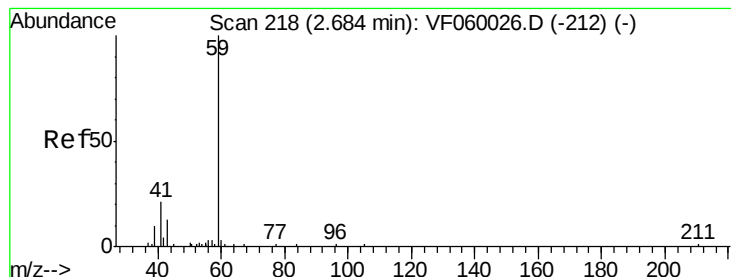
100

0

Time-->

1.05 1.10



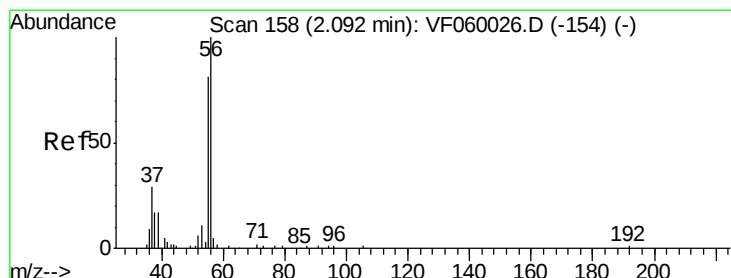
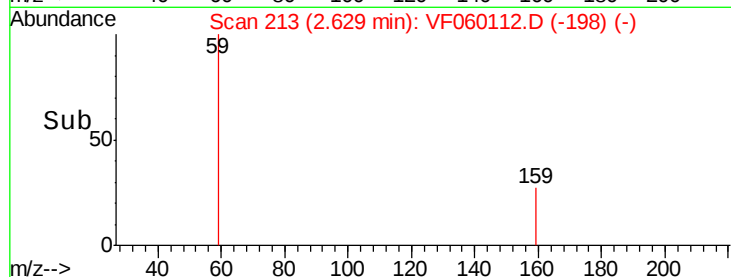
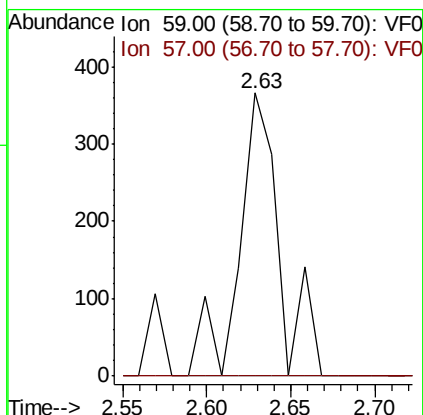
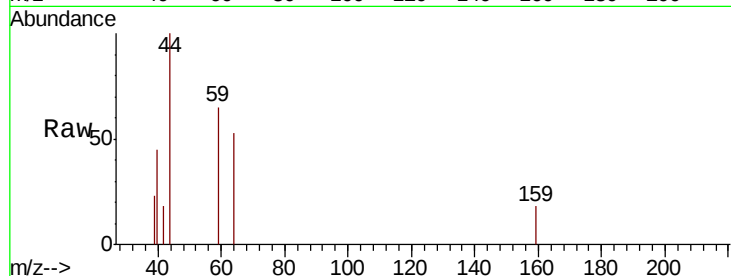


#11

Tert butyl alcohol
 Concen: 5.12 ug/l
 RT: 2.63 min Scan# 213
 Delta R.T. -0.05 min
 Lab File: VF060112.D
 Acq: 24 Aug 2018 20:54

Instrument :
 MSVOA_F
 ClientSampleId :
 BU-03-082318

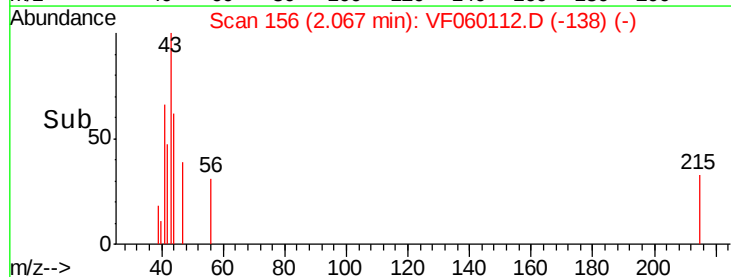
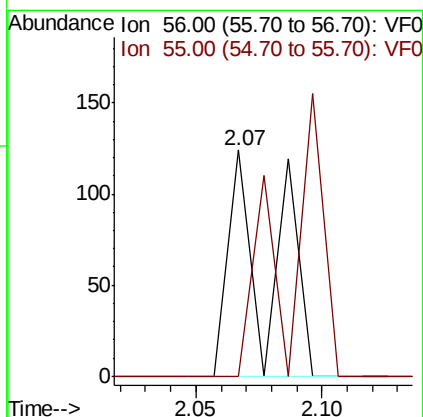
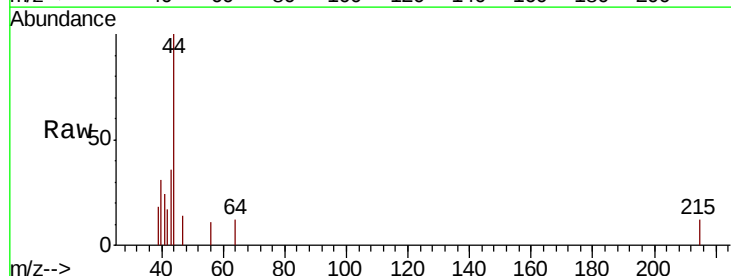
Tot Ion: 59 Resp: 615
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.4 8.2#

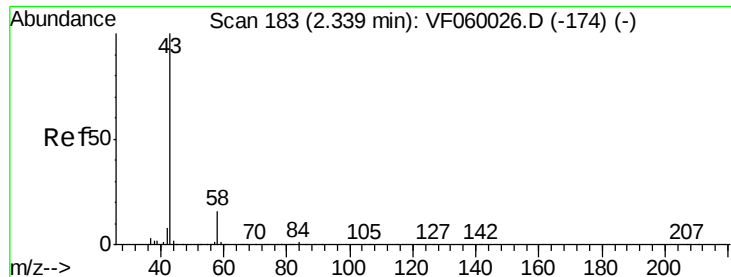


#13

Acrolein
 Concen: 28.08 ug/l
 RT: 2.07 min Scan# 156
 Delta R.T. -0.03 min
 Lab File: VF060112.D
 Acq: 24 Aug 2018 20:54

Tgt Ion: 56 Resp: 144
 Ion Ratio Lower Upper
 56 100
 55 0.0 65.6 98.4#





#16

Acetone

Concen: 17.82 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF060112.D

Acq: 24 Aug 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

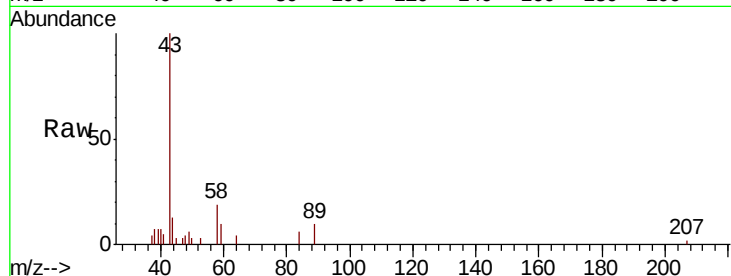
BU-03-082318

Tot Ion: 43 Resp: 10581

Ion Ratio Lower Upper

43 100

58 18.9 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.32

5000

4000

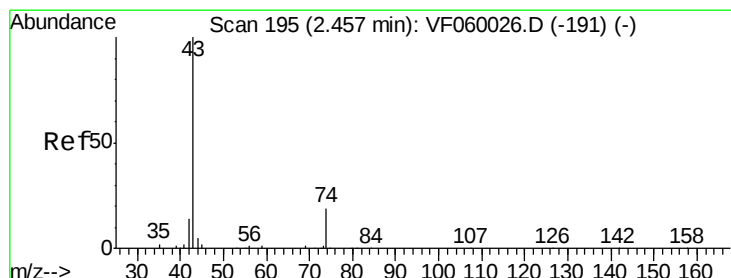
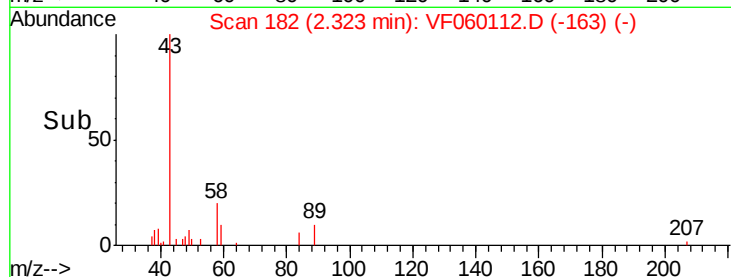
3000

2000

1000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#18

Methyl Acetate

Concen: Below Cal

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF060112.D

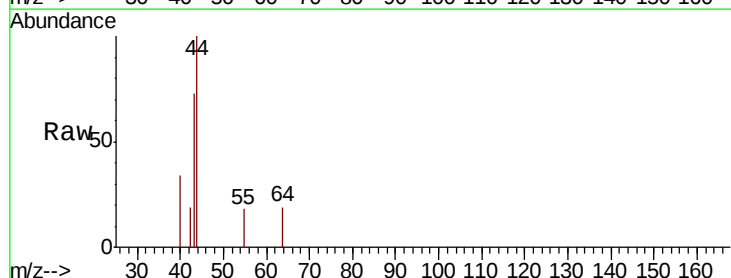
Acq: 24 Aug 2018 20:54

Tgt Ion: 43 Resp: 1241

Ion Ratio Lower Upper

43 100

74 0.0 13.8 20.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.44

500

400

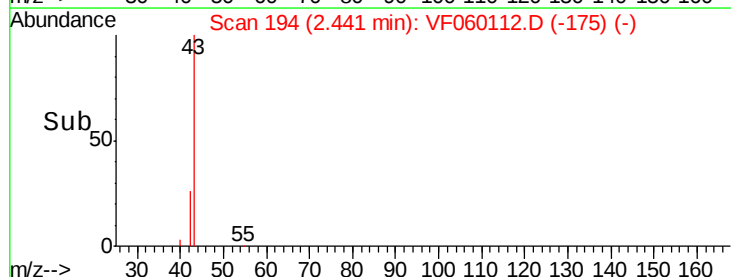
300

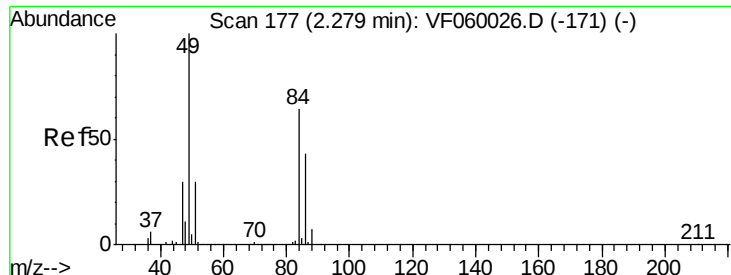
200

100

0

Time--> 2.40 2.45

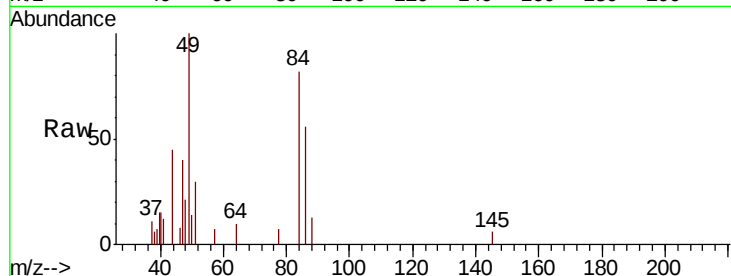




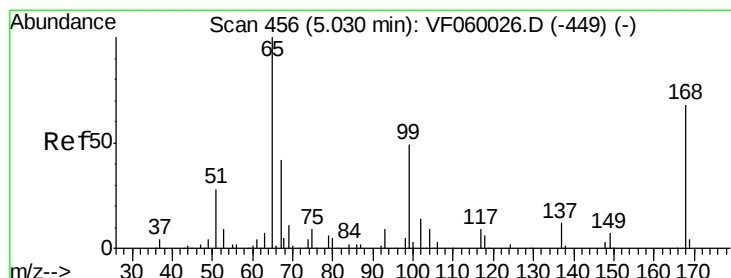
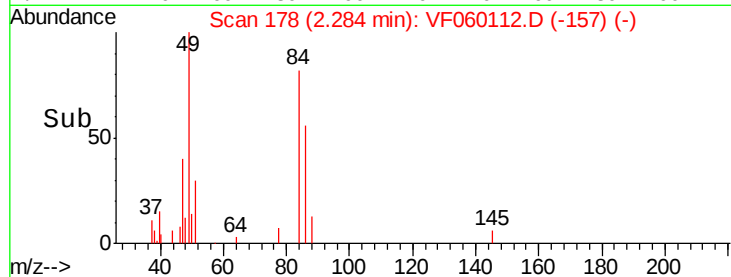
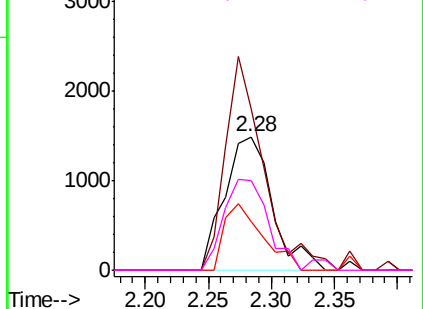
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 178
Delta R.T. 0.00 min
Lab File: VF060112.D
Acq: 24 Aug 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
BU-03-082318

Tot Ion: 84 Resp: 3903
Ion Ratio Lower Upper
84 100
49 121.3 125.4 188.0#
51 36.7 38.3 57.5#
86 67.4 53.3 79.9

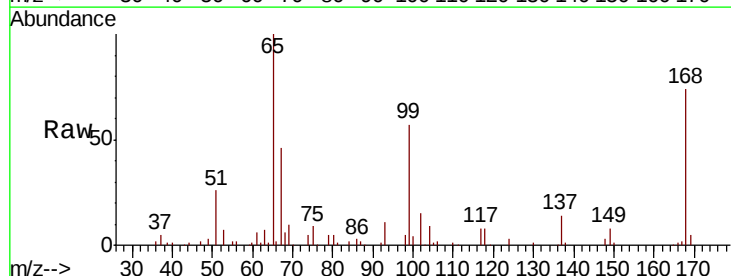


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

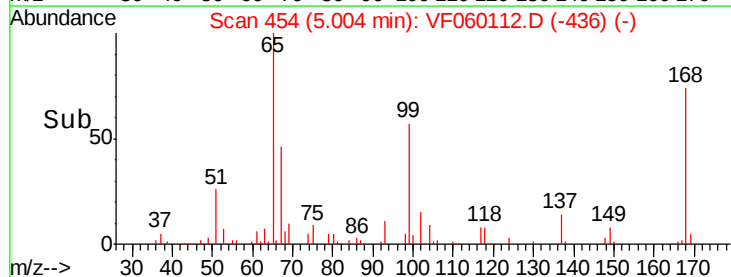
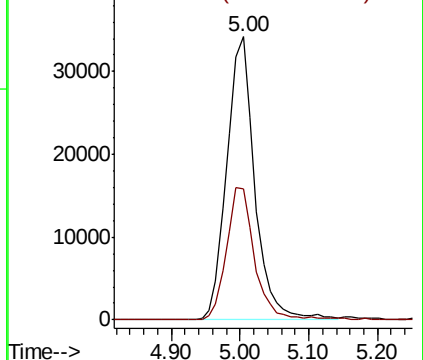


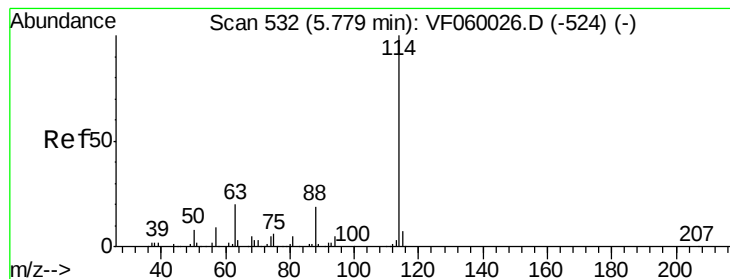
#33
1,2-Dichloroethane-d4
Concen: 42.68 ug/l
RT: 5.00 min Scan# 454
Delta R.T. -0.03 min
Lab File: VF060112.D
Acq: 24 Aug 2018 20:54

Tgt Ion: 65 Resp: 96405
Ion Ratio Lower Upper
65 100
67 46.2 0.0 92.0



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.03 min

Lab File: VF060112.D

Acq: 24 Aug 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

BU-03-082318

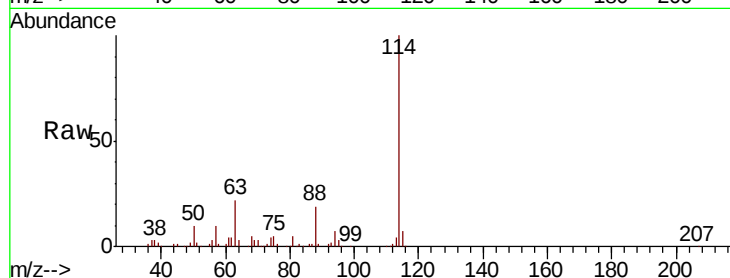
Tot Ion:114 Resp: 260166

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.4

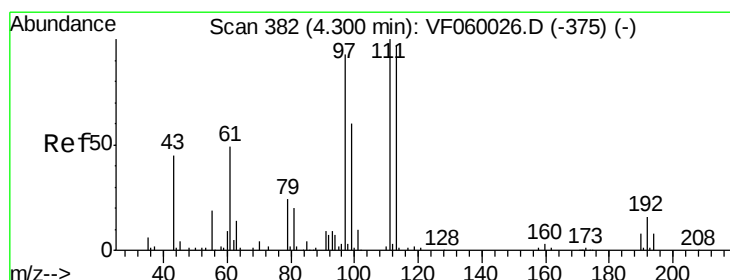
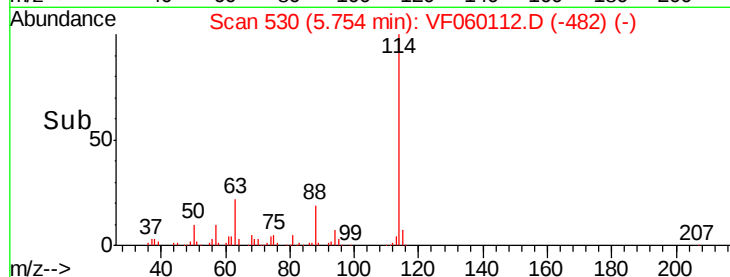
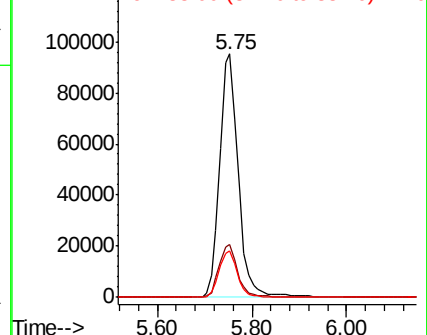
88 19.0 0.0 38.6



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: 49.04 ug/l

RT: 4.27 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF060112.D

Acq: 24 Aug 2018 20:54

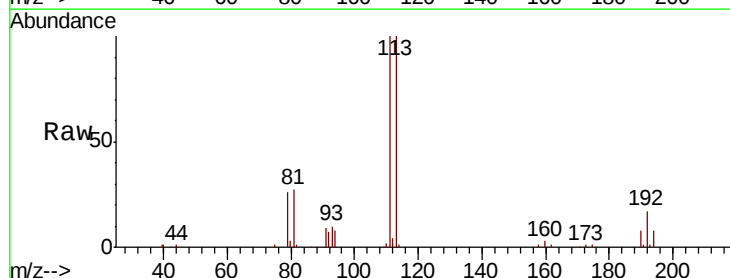
Tgt Ion:113 Resp: 100184

Ion Ratio Lower Upper

113 100

111 99.9 82.7 124.1

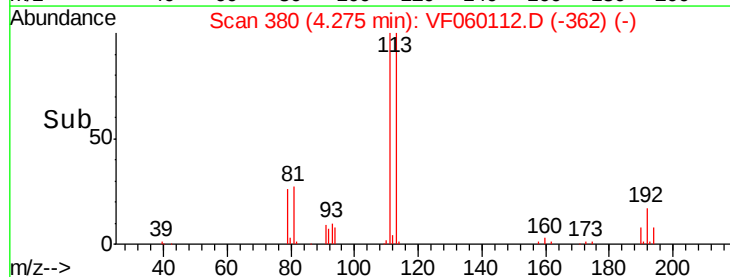
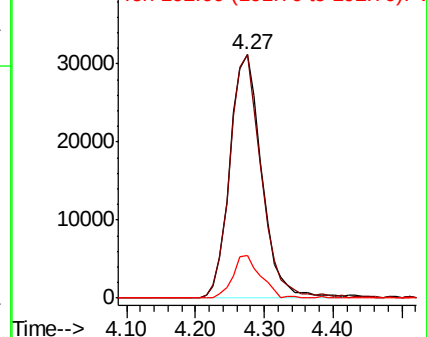
192 17.4 13.0 19.4

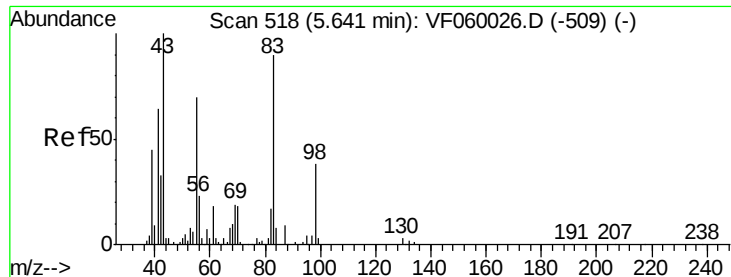


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

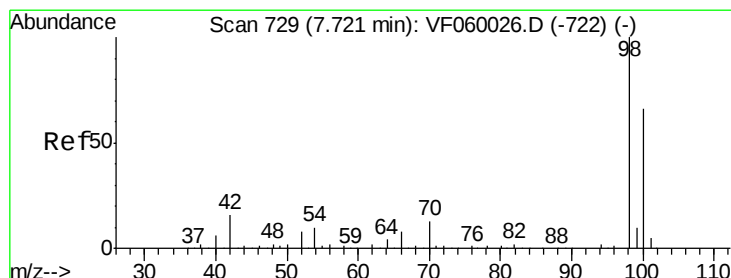
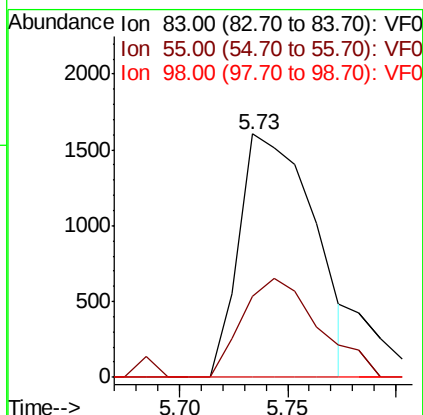
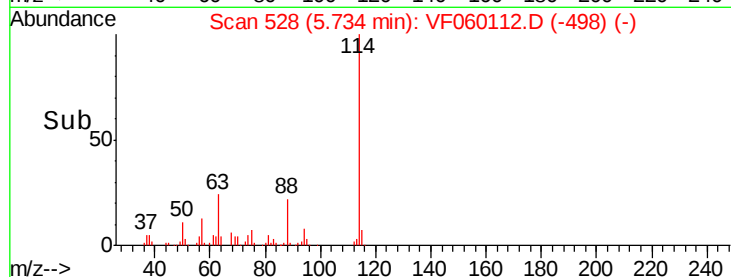
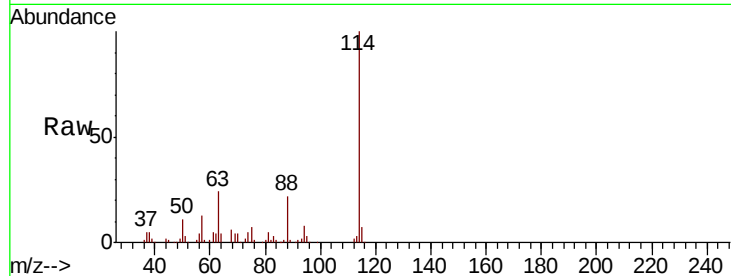




#39
Methvlcvclohexane
Concen: 1.70 ug/l
RT: 5.73 min Scan# 528
Delta R.T. 0.09 min
Lab File: VF060112.D
Acq: 24 Aug 2018 20:54

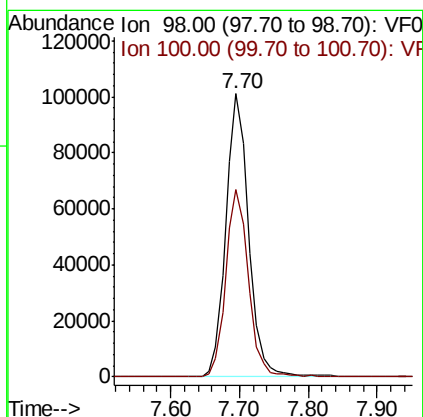
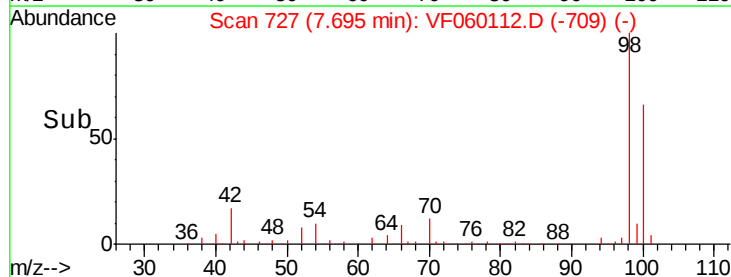
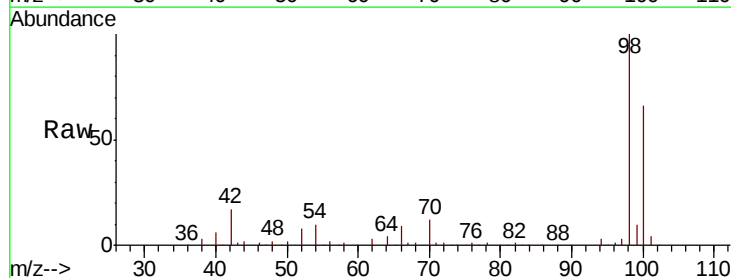
Instrument :
MSVOA_F
ClientSampleId :
BU-03-082318

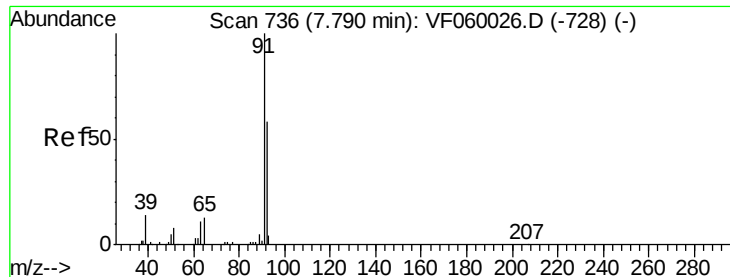
Tot Ion: 83 Resp: 3895
Ion Ratio Lower Upper
83 100
55 33.4 62.7 94.1#
98 0.0 33.8 50.8#



#50
Toluene-d8
Concen: 39.91 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF060112.D
Acq: 24 Aug 2018 20:54

Tgt Ion: 98 Resp: 231573
Ion Ratio Lower Upper
98 100
100 66.3 53.2 79.8





#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060112.D

Acq: 24 Aug 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

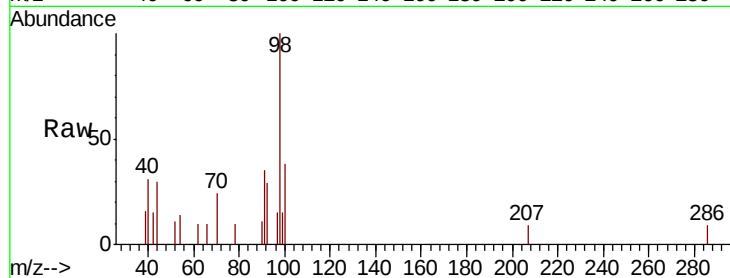
BU-03-082318

Tot Ion: 92 Resp: 722

Ion Ratio Lower Upper

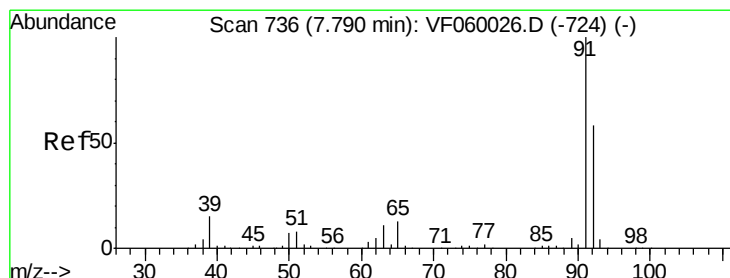
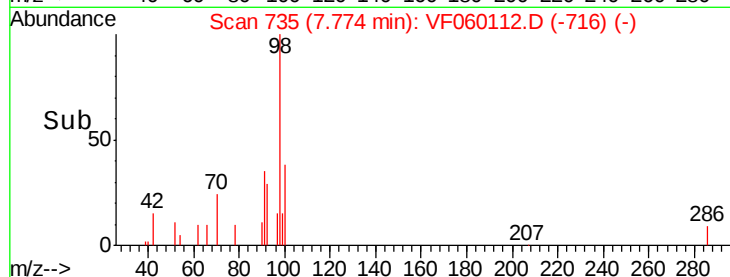
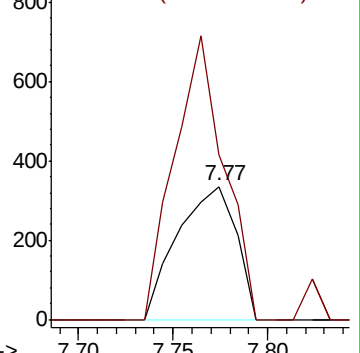
92 100

91 123.9 137.7 206.5#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.11 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.04 min

Lab File: VF060112.D

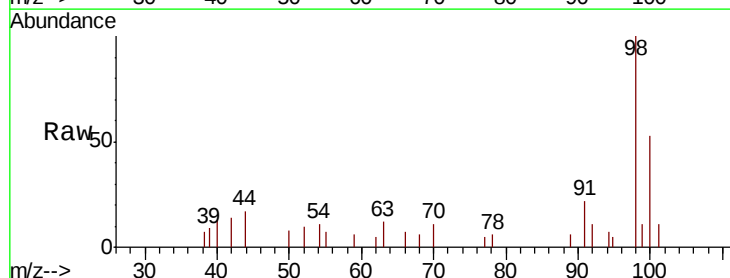
Acq: 24 Aug 2018 20:54

Tgt Ion: 63 Resp: 153

Ion Ratio Lower Upper

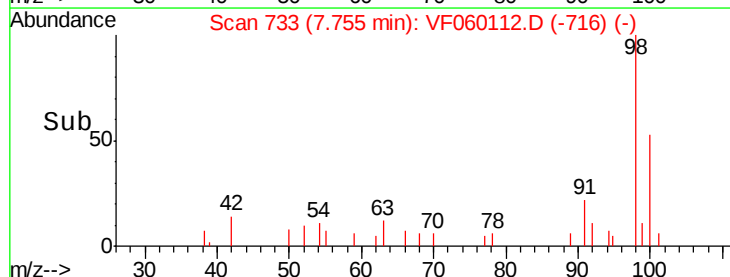
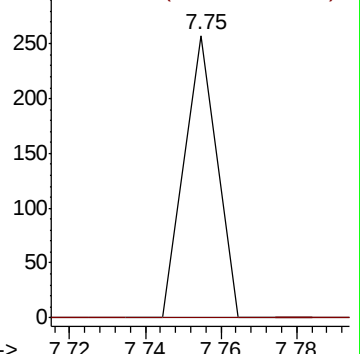
63 100

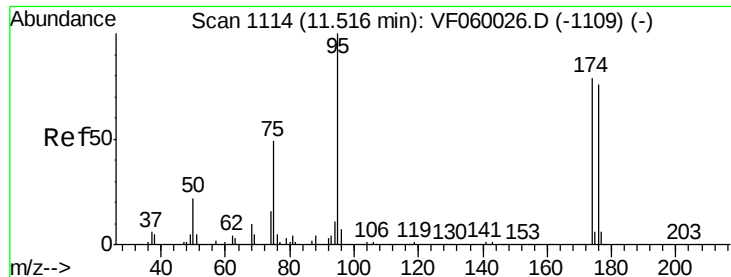
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

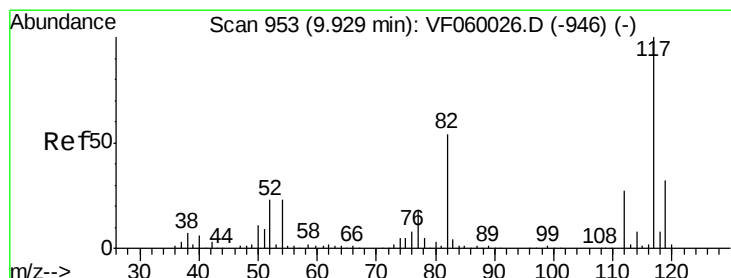
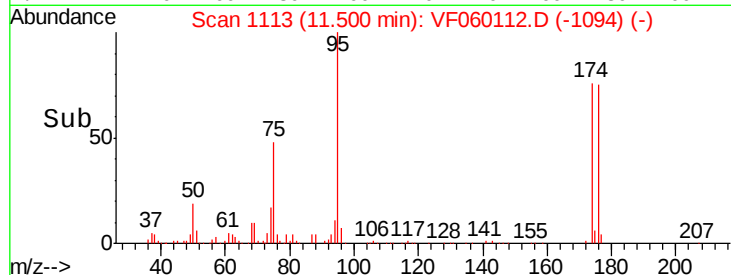
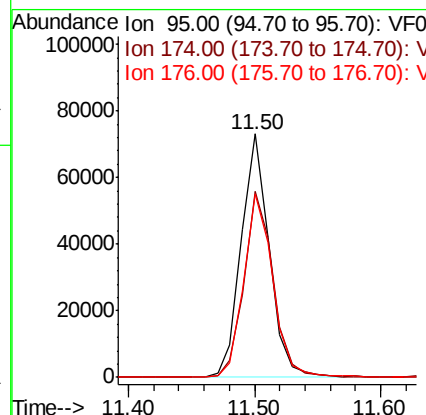
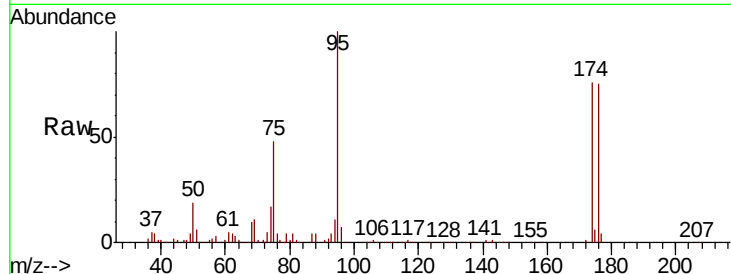




#62
4-Bromofluorobenzene
Concen: 36.58 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VF060112.D
Acq: 24 Aug 2018 20:54

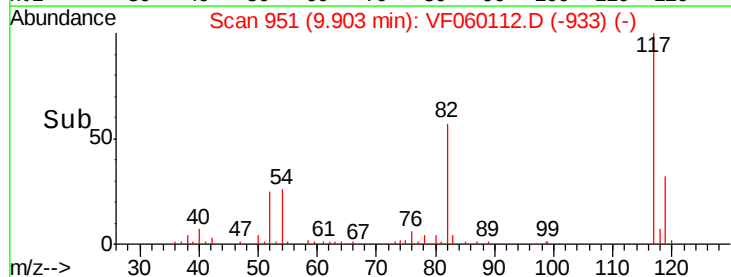
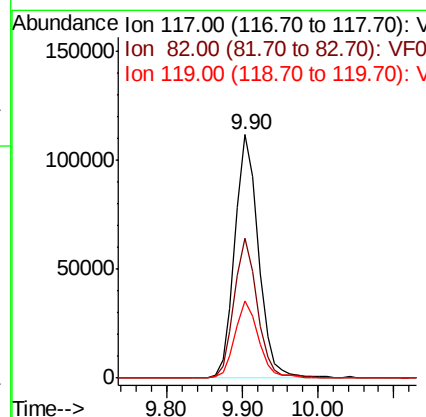
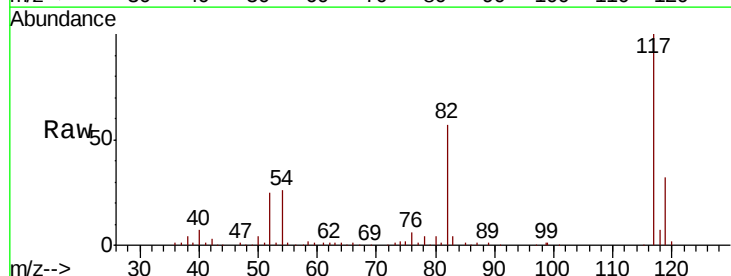
Instrument :
MSVOA_F
ClientSampleId :
BU-03-082318

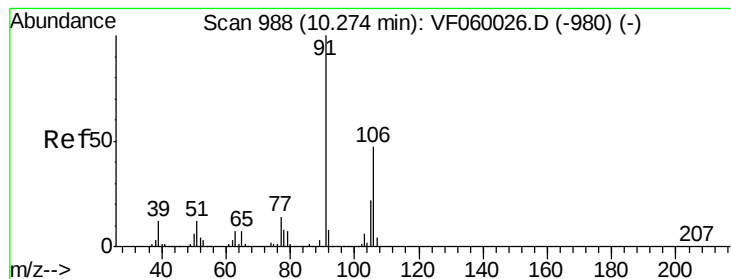
Tot Ion: 95 Resp: 112269
Ion Ratio Lower Upper
95 100
174 76.4 0.0 158.4
176 75.2 0.0 153.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF060112.D
Acq: 24 Aug 2018 20:54

Tgt Ion: 117 Resp: 241798
Ion Ratio Lower Upper
117 100
82 57.4 43.6 65.4
119 31.9 25.6 38.4





#68

m/p-Xvlenes

Concen: Below Cal

RT: 10.25 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF060112.D

Acq: 24 Aug 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

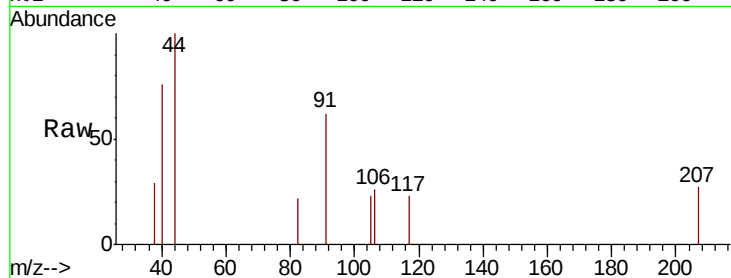
BU-03-082318

Tot Ion:106 Resp: 70

Ion Ratio Lower Upper

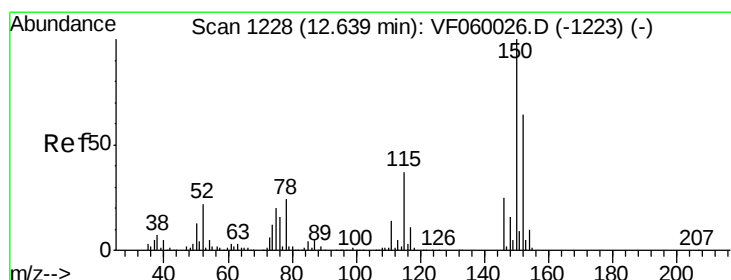
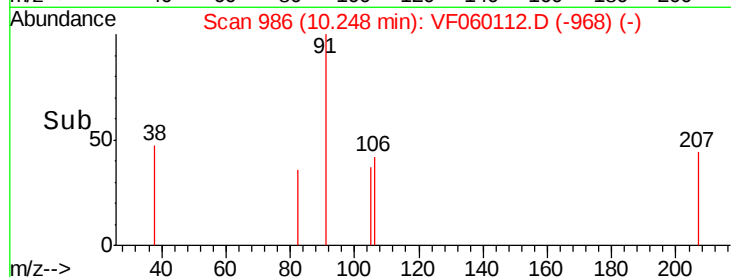
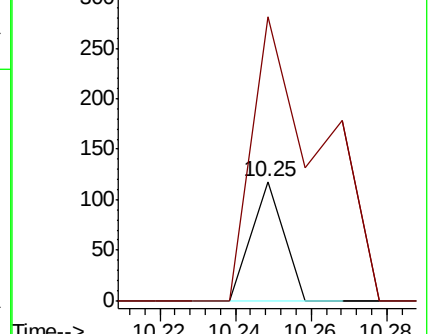
106 100

91 238.1 171.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF060112.D

Acq: 24 Aug 2018 20:54

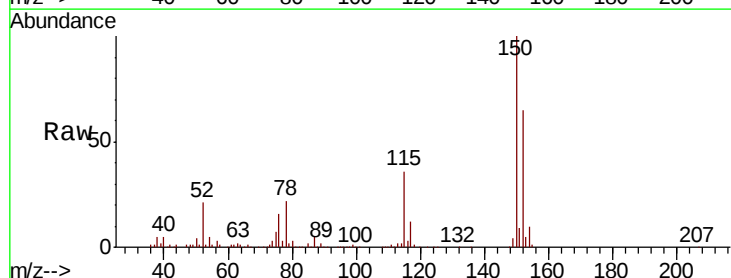
Tgt Ion:152 Resp: 116008

Ion Ratio Lower Upper

152 100

115 54.6 28.6 85.9

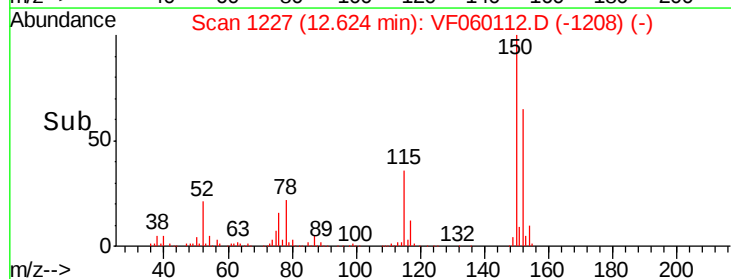
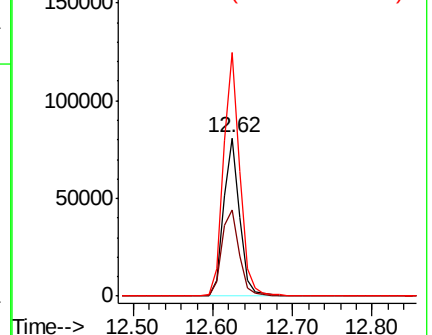
150 153.6 0.0 312.0

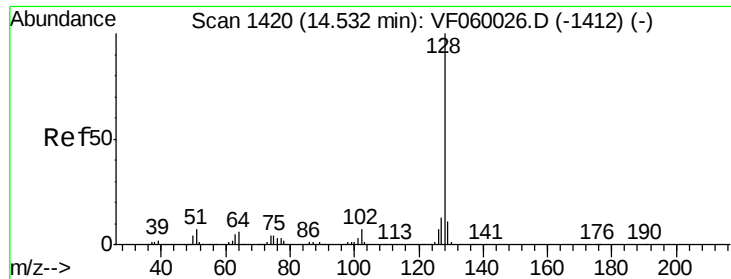


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#95

Naphthalene

Concen: 2.53 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060112.D

Acq: 24 Aug 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

BU-03-082318

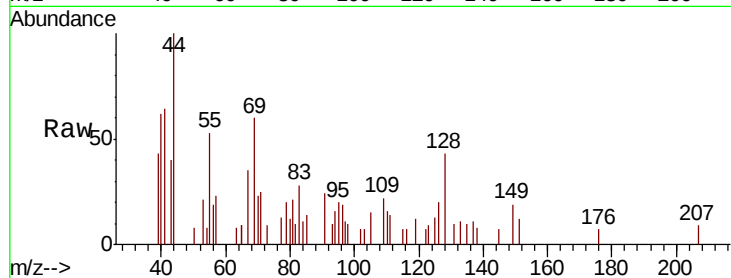
Tot Ion:128 Resp: 1103

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.5 12.7#



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

