

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060899.D
 Acq On : 3 Dec 2018 18:52
 Operator : VA/AP
 Sample : J6160-01RE
 Misc : 7.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT

Quant Time: Dec 04 03:12:00 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

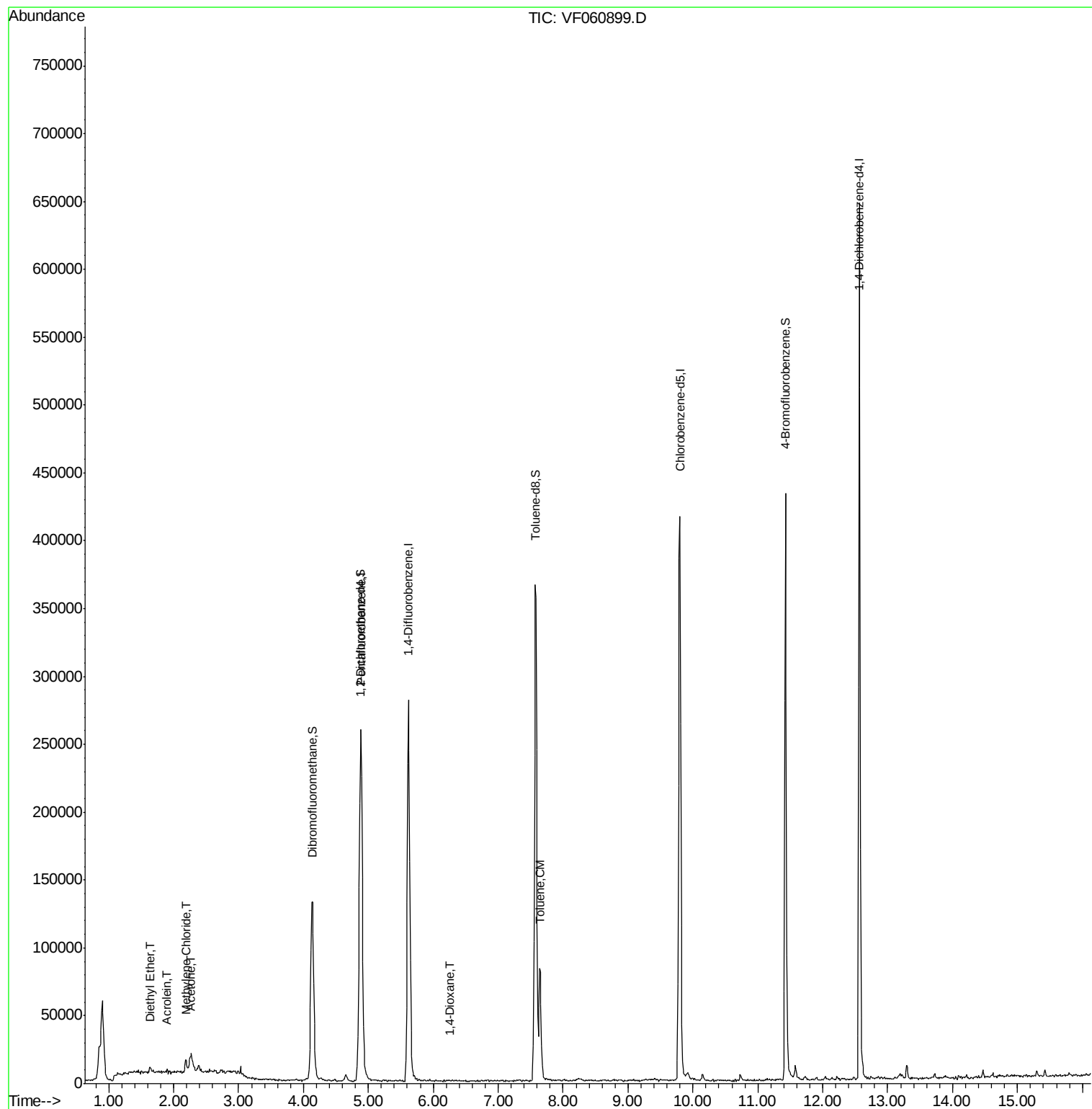
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	181707	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	306761	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	293725	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	159885	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	117550	54.92	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	109.84%	
35) Dibromofluoromethane	4.13	113	128342	52.74	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	105.48%	
50) Toluene-d8	7.57	98	318180	44.38	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.76%	
62) 4-Bromofluorobenzene	11.43	95	161331	49.52	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.04%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.64	74	1408	2.767	ug/l	88
13) Acrolein	1.91	56	228	2.742	ug/l	90
16) Acetone	2.25	43	3955	10.019	ug/l #	85
18) Methyl Acetate	2.36	43	604	Below Cal	#	61
20) Methylene Chloride	2.18	84	3038	2.098	ug/l	96
41) Methacrylonitrile	4.74	41	66	Below Cal	#	23
43) Isopropyl Acetate	6.95	43	672	Below Cal	#	49
49) 1,4-Dioxane	6.25	88	66	7.205	ug/l #	7
52) Toluene	7.64	92	43442	8.228	ug/l	99
95) Naphthalene	14.48	128	3846	Below Cal	#	95

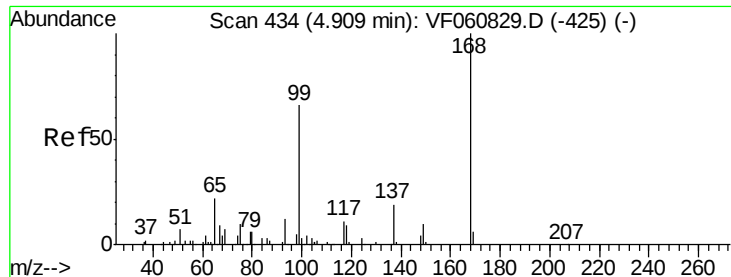
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TEST-PIT

Quant Time: Dec 04 03:12:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
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: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

Instrument :

MSVOA_F

ClientSampleId :

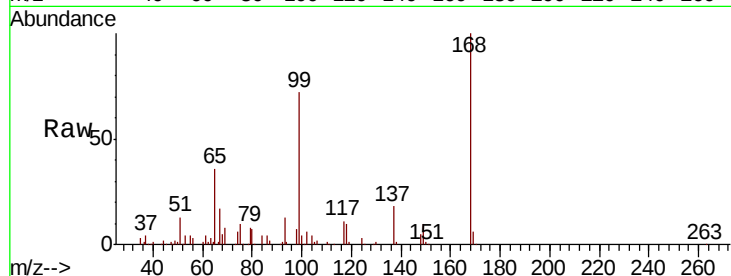
TEST-PIT

Tot Ion:168 Resp: 181707

Ion Ratio Lower Upper

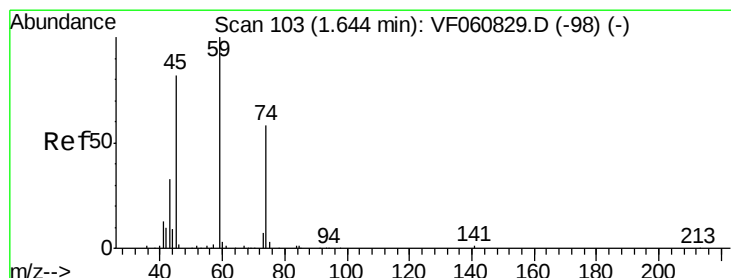
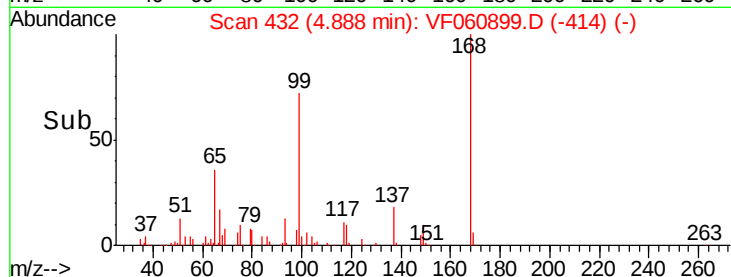
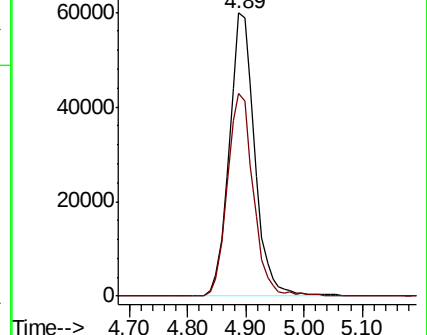
168 100

99 71.8 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 2.767 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF060899.D

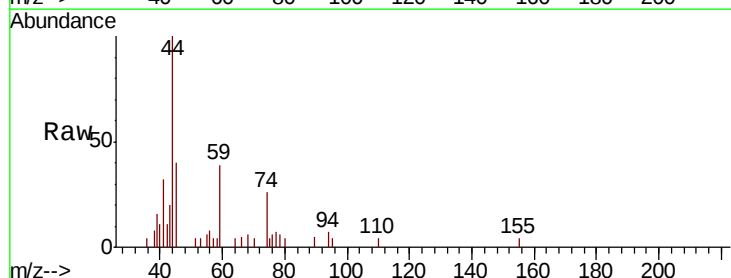
Acq: 3 Dec 2018 18:52

Tgt Ion: 74 Resp: 1408

Ion Ratio Lower Upper

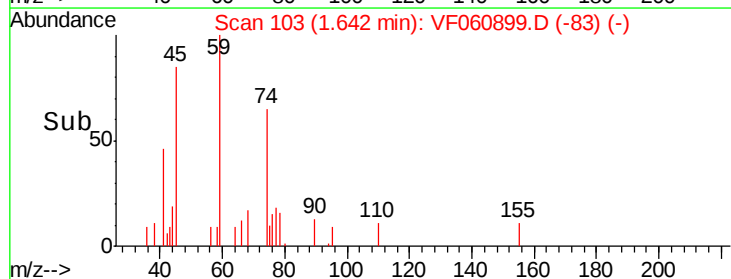
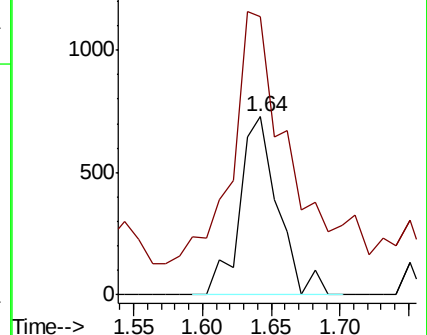
74 100

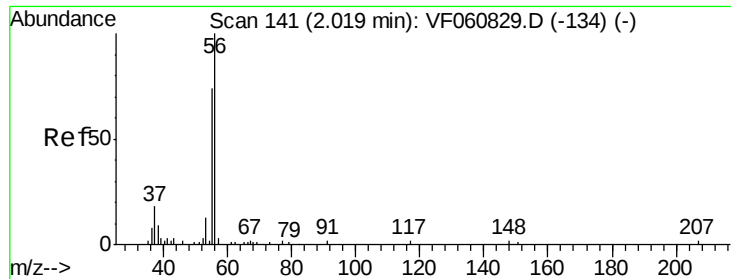
45 156.2 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#13

Acrolein

Concen: 2.742 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.11 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

Instrument :

MSVOA_F

ClientSampleId :

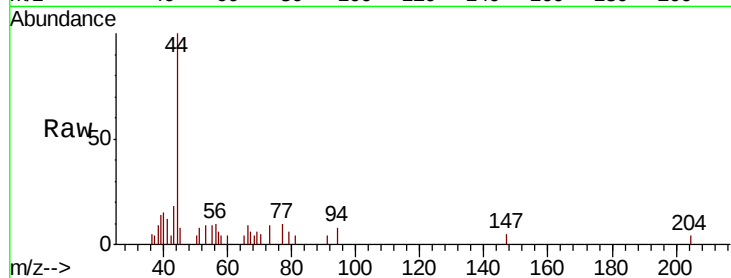
TEST-PIT

Tot Ion: 56 Resp: 228

Ion Ratio Lower Upper

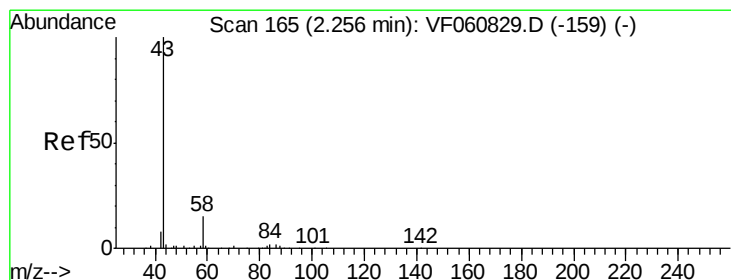
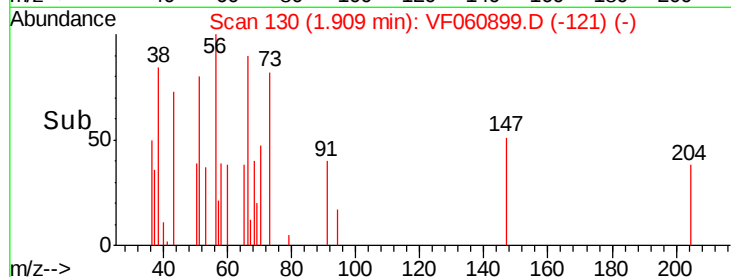
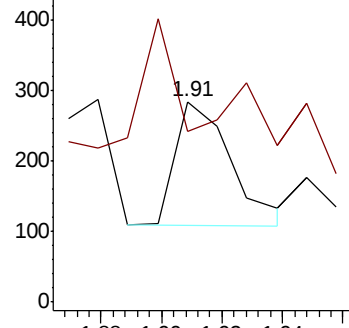
56 100

55 84.9 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 10.019 ug/l

RT: 2.25 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060899.D

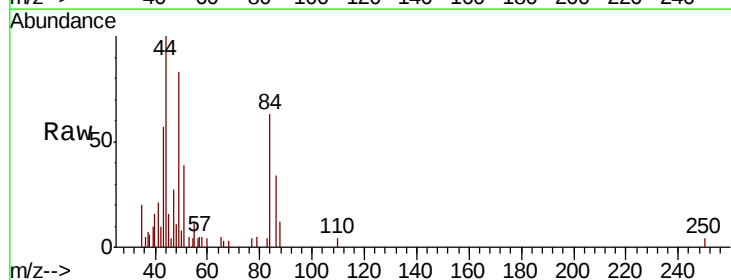
Acq: 3 Dec 2018 18:52

Tgt Ion: 43 Resp: 3955

Ion Ratio Lower Upper

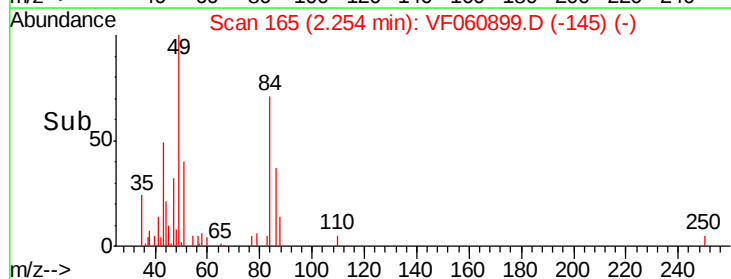
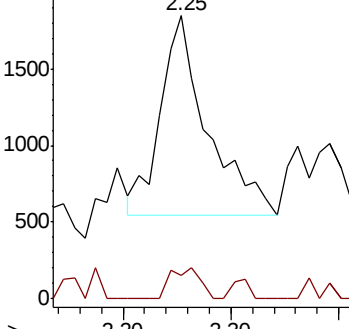
43 100

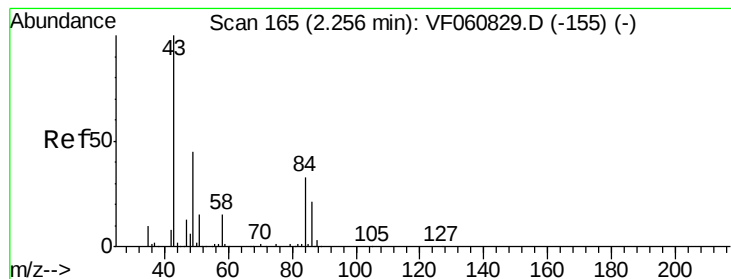
58 8.3 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#20

Methylene Chloride

Concen: 2.098 ug/l

RT: 2.18 min Scan# 158

Delta R.T. -0.07 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT

Tot Ion: 84 Resp: 3038

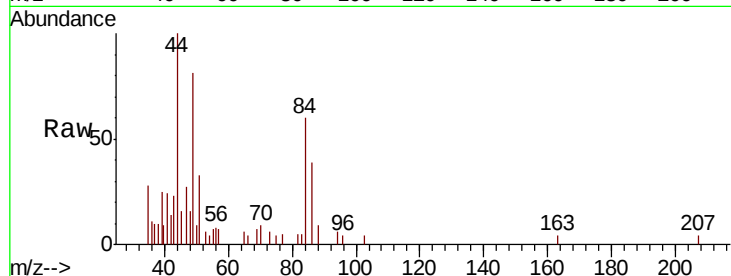
Ion Ratio Lower Upper

84 100

49 135.4 111.3 166.9

51 54.1 38.0 57.0

86 64.7 49.8 74.8

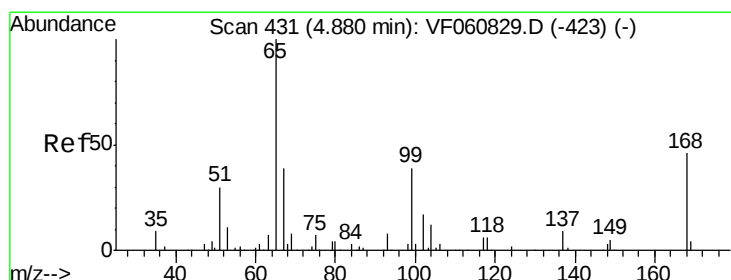
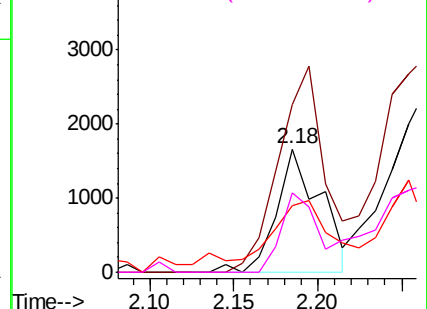
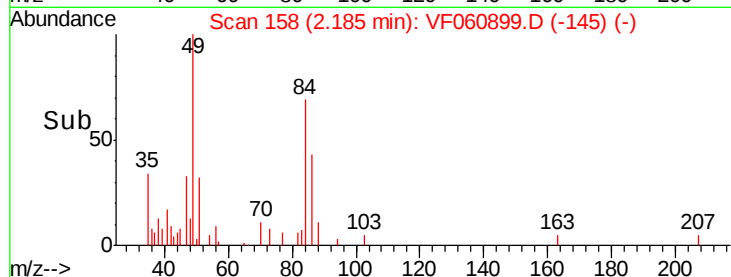


Abundance Ion 84.00 (83.70 to 84.70): VF0

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: 54.915 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060899.D

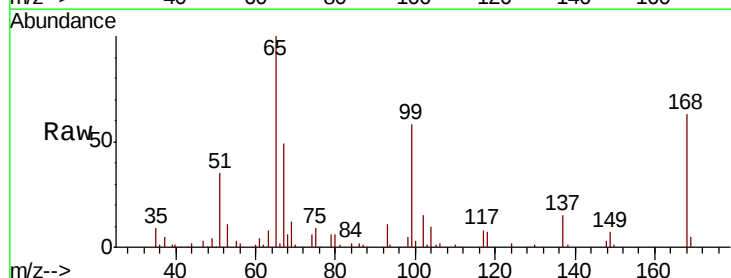
Acq: 3 Dec 2018 18:52

Tgt Ion: 65 Resp: 117550

Ion Ratio Lower Upper

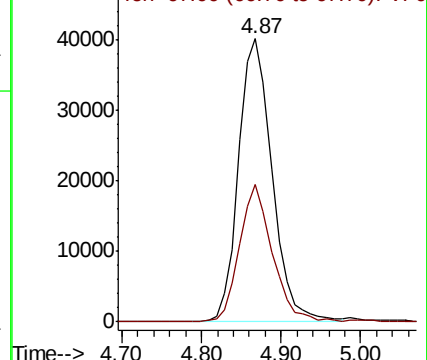
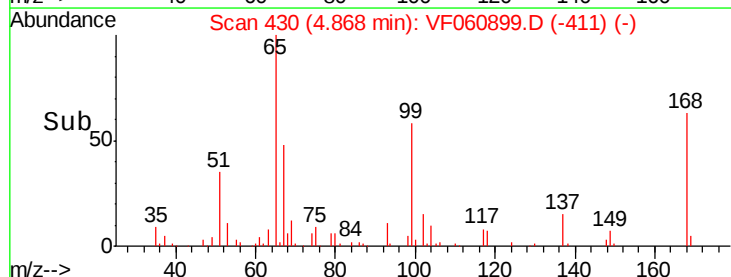
65 100

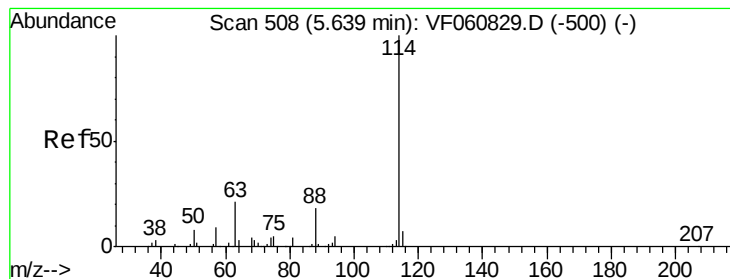
67 48.7 0.0 96.4



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: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT

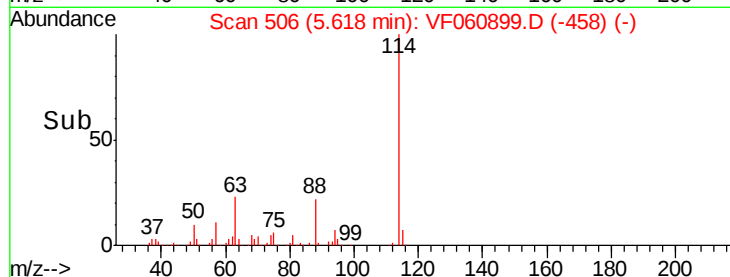
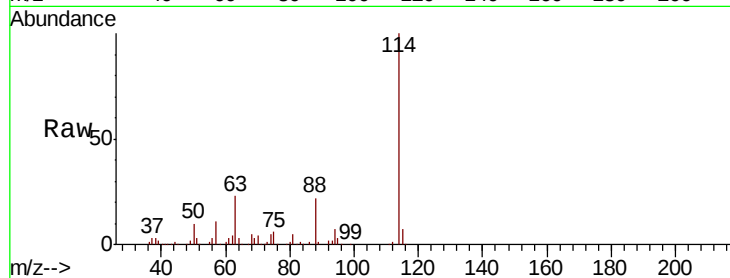
Tot Ion:114 Resp: 306761

Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.6

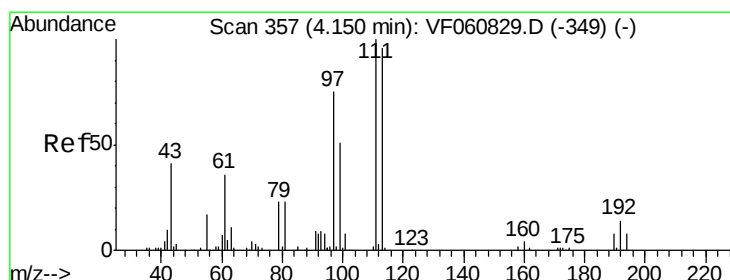
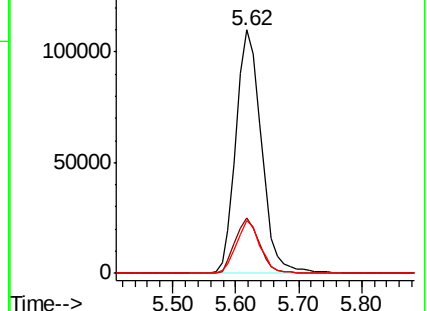
88 21.9 0.0 36.6



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: 52.737 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

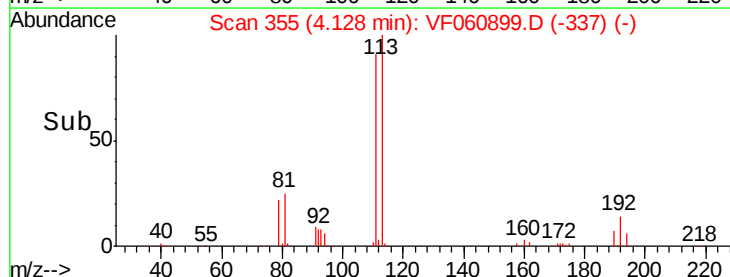
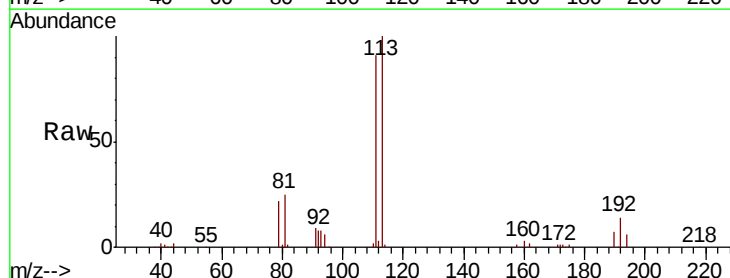
Tgt Ion:113 Resp: 128342

Ion Ratio Lower Upper

113 100

111 91.3 83.0 124.6

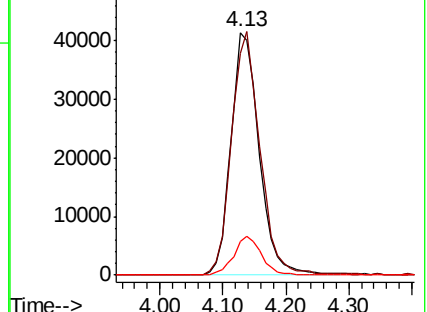
192 13.7 12.3 18.5

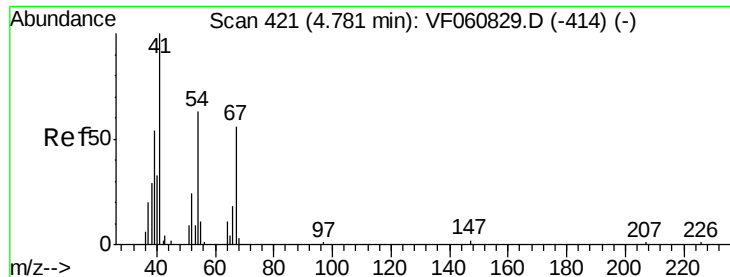


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

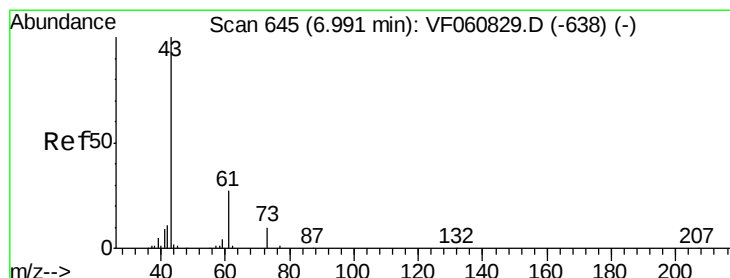
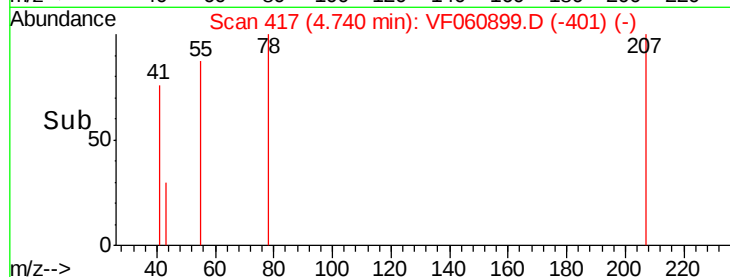
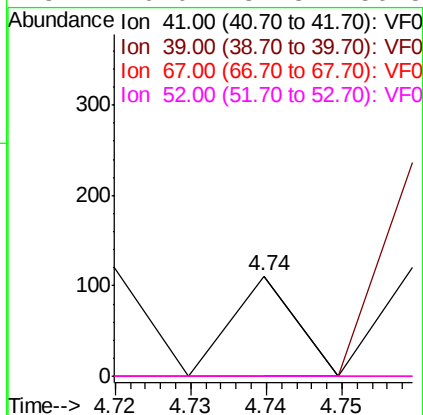
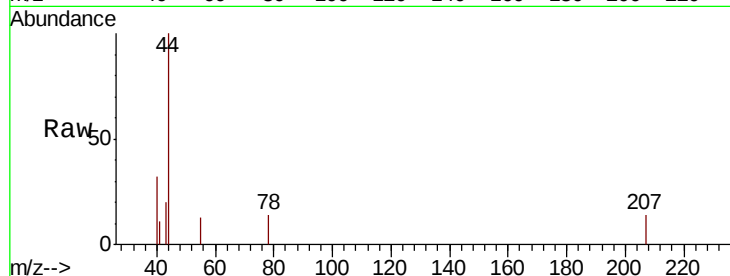




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060899.D
Acq: 3 Dec 2018 18:52

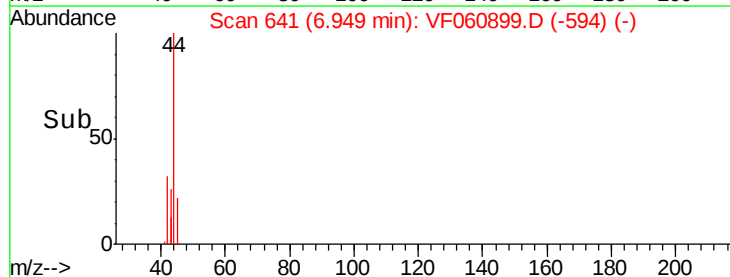
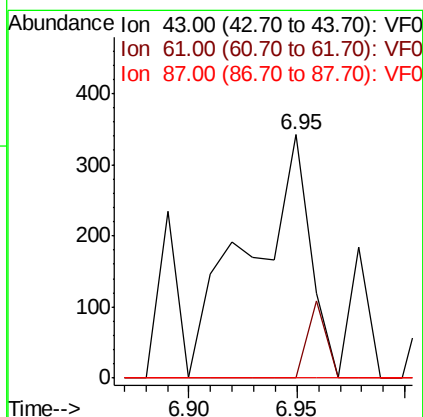
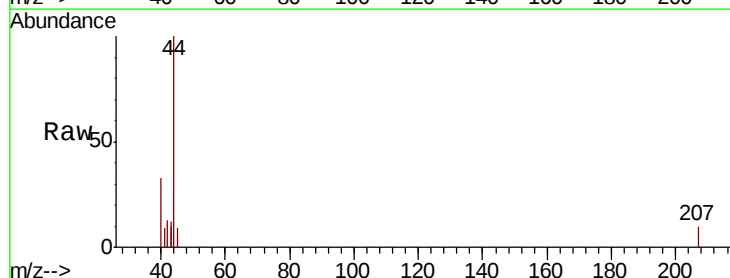
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT

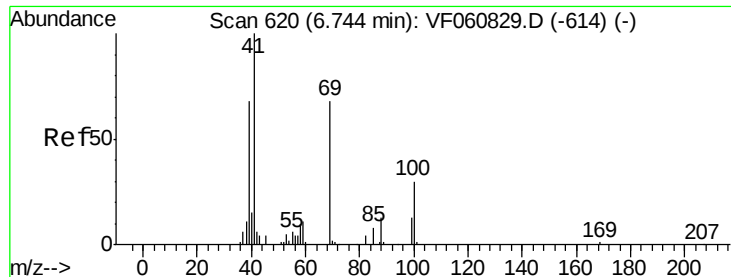
Tot Ion:	41	Resp:	66
Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.95 min Scan# 641
Delta R.T. -0.04 min
Lab File: VF060899.D
Acq: 3 Dec 2018 18:52

Tgt Ion:	43	Resp:	672
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: 7.205 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.50 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT

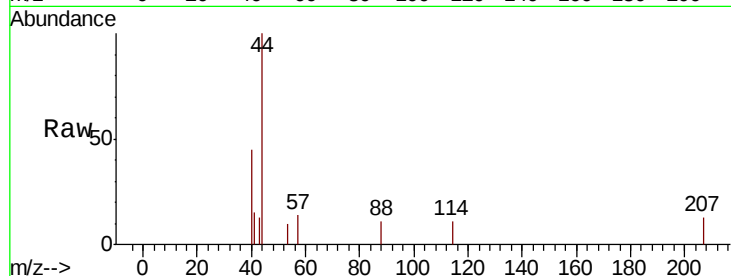
Tot Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 121.6 42.0 63.0#

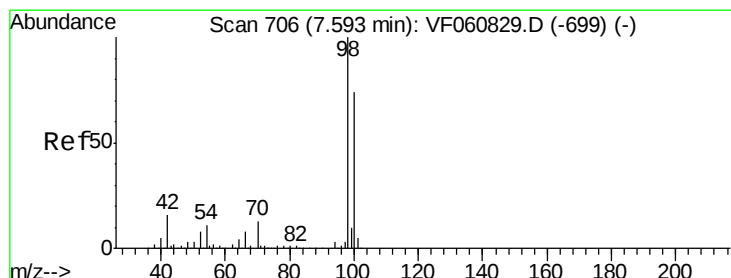
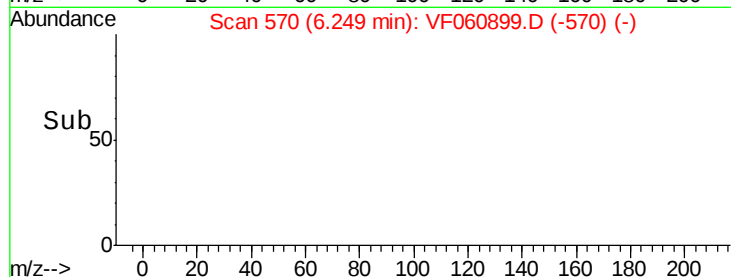
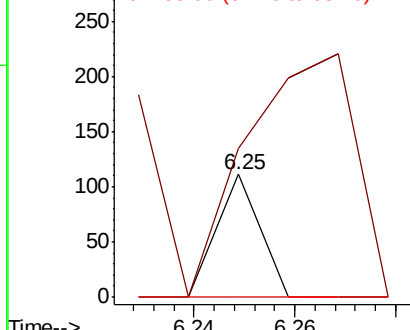
58 0.0 61.8 92.8#



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: 44.385 ug/l

RT: 7.57 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF060899.D

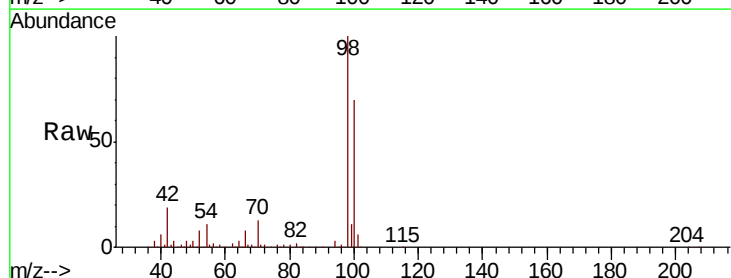
Acq: 3 Dec 2018 18:52

Tgt Ion: 98 Resp: 318180

Ion Ratio Lower Upper

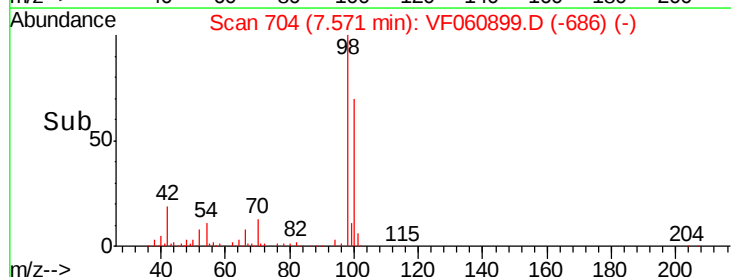
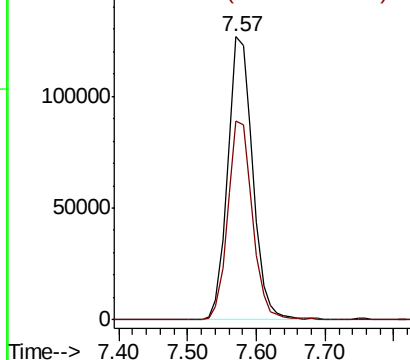
98 100

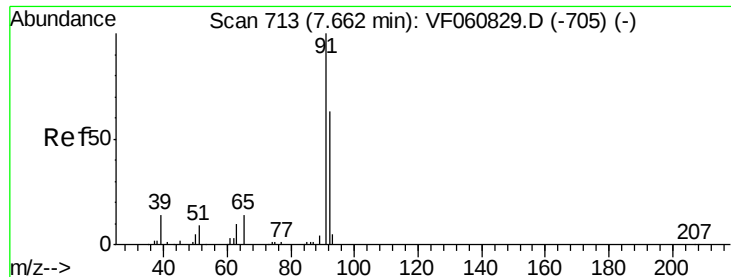
100 70.1 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 8.228 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

Instrument :

MSVOA_F

ClientSampleId :

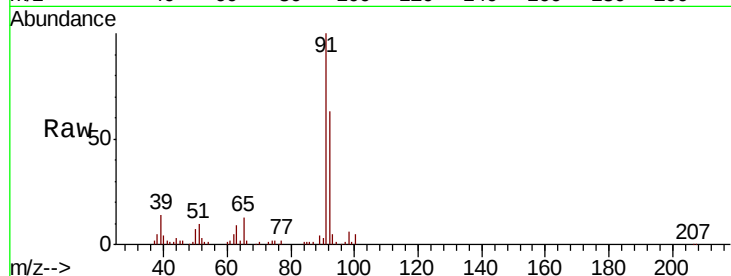
TEST-PIT

Tot Ion: 92 Resp: 43442

Ion Ratio Lower Upper

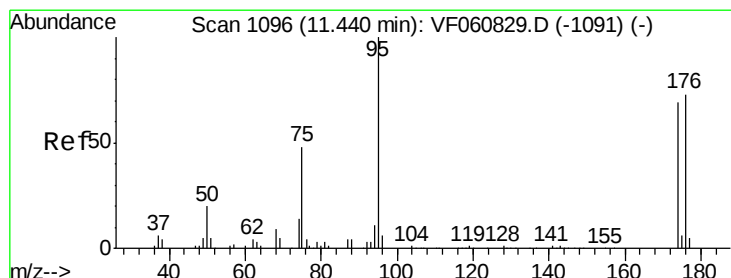
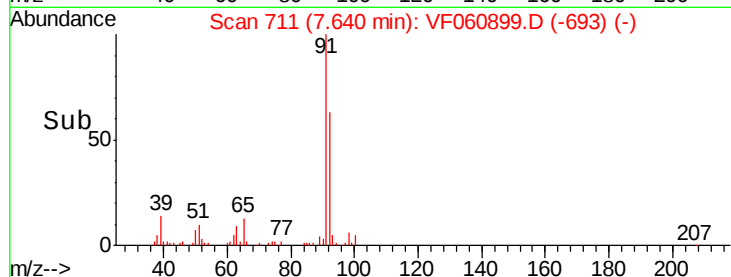
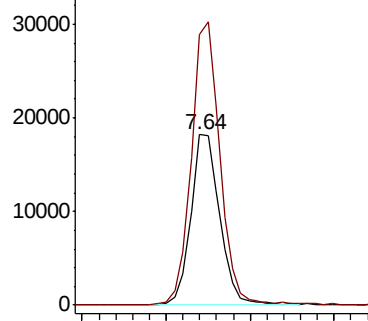
92 100

91 158.8 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 49.517 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF060899.D

Acq: 3 Dec 2018 18:52

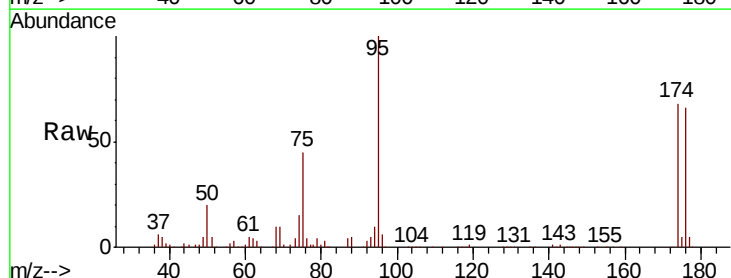
Tgt Ion: 95 Resp: 161331

Ion Ratio Lower Upper

95 100

174 68.3 0.0 138.2

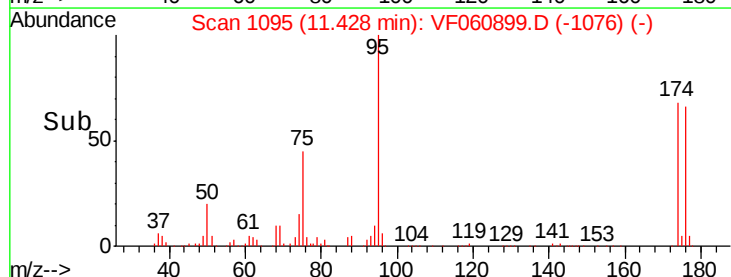
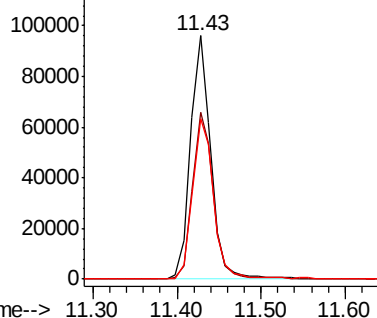
176 65.7 0.0 146.2

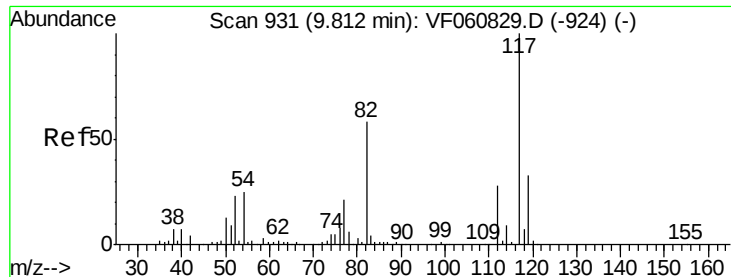


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

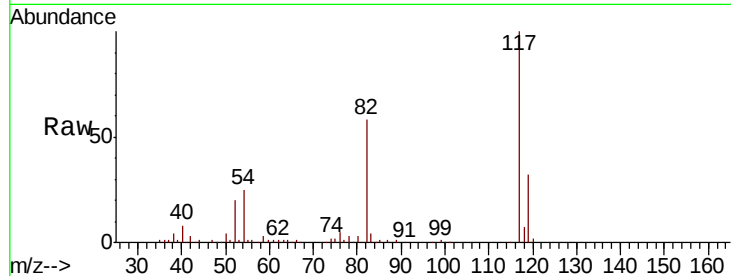




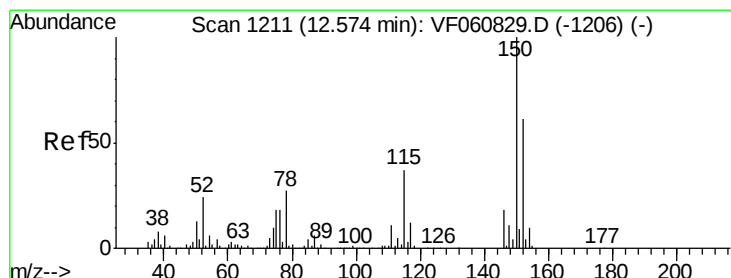
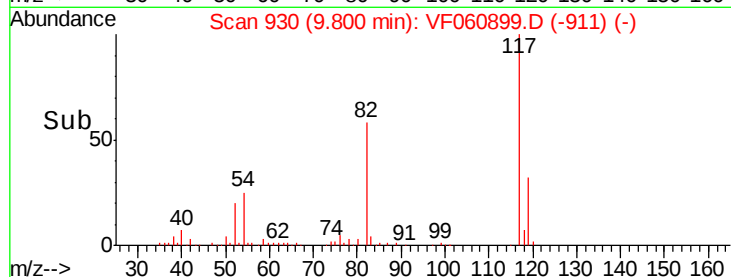
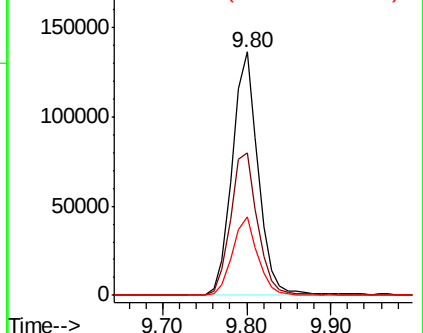
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060899.D
Acq: 3 Dec 2018 18:52

Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT

Tot Ion:117 Resp: 293725
Ion Ratio Lower Upper
117 100
82 58.4 46.6 69.8
119 32.1 26.4 39.6

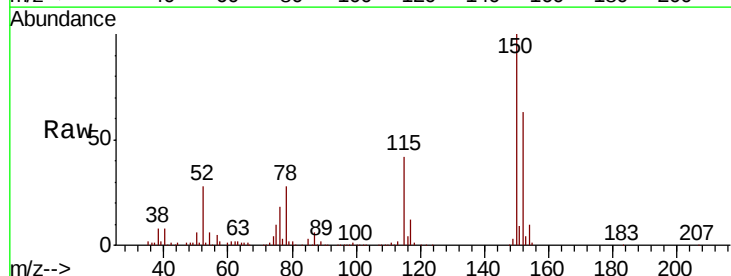


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

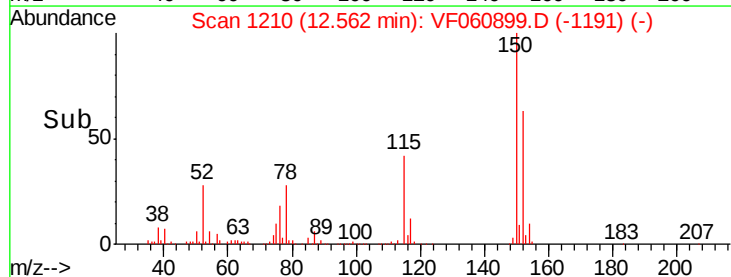
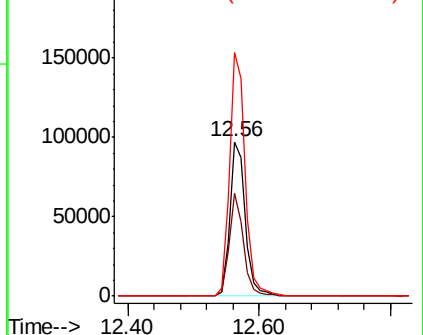


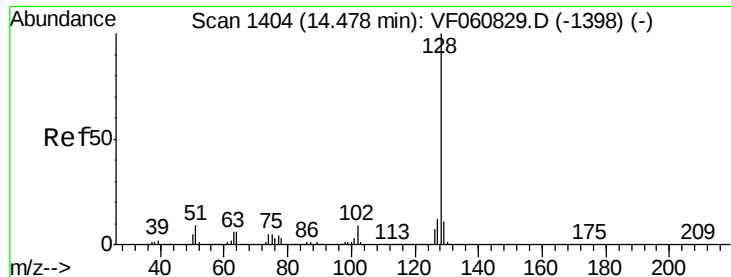
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF060899.D
Acq: 3 Dec 2018 18:52

Tgt Ion:152 Resp: 159885
Ion Ratio Lower Upper
152 100
115 66.6 30.1 90.5
150 157.8 0.0 327.6



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: Below Cal
RT: 14.48 min Scan# 1404
Delta R.T. -0.00 min
Lab File: VF060899.D
Acq: 3 Dec 2018 18:52

Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.2	9.9	14.9
129	12.2	9.1	13.7

