

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010219\
 Data File : VF061258.D
 Acq On : 2 Jan 2019 17:04
 Operator : VA/AP
 Sample : K1019-03
 Misc : 10.87g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-D-11-12-B

Quant Time: Jan 03 03:49:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	203302	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	363129	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	294219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	111811	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	119796	45.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.62%	
35) Dibromofluoromethane	4.11	113	141482	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
50) Toluene-d8	7.55	98	327347	39.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.42%	
62) 4-Bromofluorobenzene	11.41	95	131201	34.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.04%	

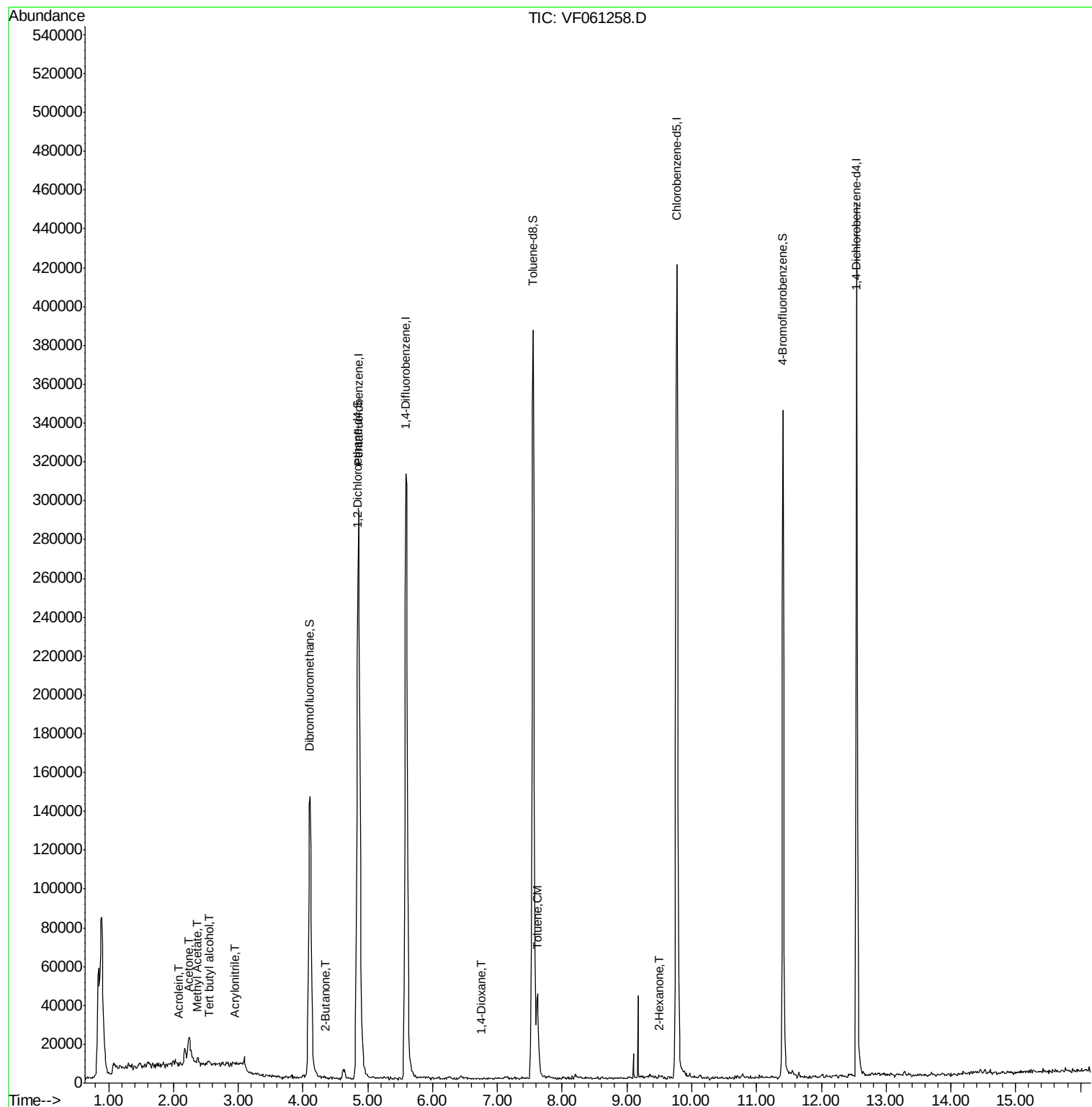
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.55	59	718	6.805	ug/l #	36
13) Acrolein	2.09	56	165	2.164	ug/l	87
15) Acrylonitrile	2.93	53	433	1.775	ug/l #	33
16) Acetone	2.23	43	15930	30.475	ug/l #	71
18) Methyl Acetate	2.37	43	1303	1.205	ug/l #	66
25) 2-Butanone	4.35	43	1689	1.992	ug/l #	57
49) 1,4-Dioxane	6.74	88	63	5.876	ug/l #	1
52) Toluene	7.62	92	20812	3.335	ug/l	90
59) 2-Hexanone	9.48	43	1273	1.213	ug/l #	27
70) Styrene	10.79	104	1233	Below Cal	#	84
78) n-propylbenzene	11.59	91	568	Below Cal		92
87) 1,3-Dichlorobenzene	12.47	146	111	Below Cal	#	25

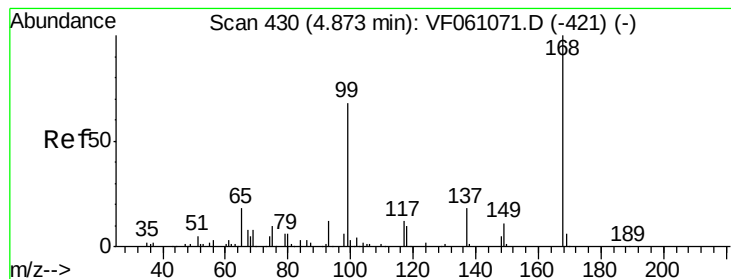
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF010219\
Data File : VF061258.D
Acq On : 2 Jan 2019 17:04
Operator : VA/AP
Sample : K1019-03
Misc : 10.87g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-D-11-12-B

Quant Time: Jan 03 03:49:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061258.D

Acq: 2 Jan 2019 17:04

Instrument :

MSVOA_F

ClientSampleId :

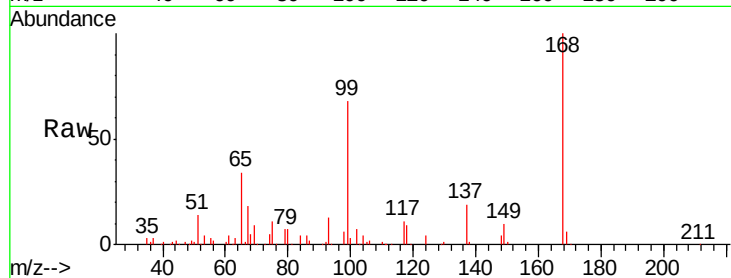
TEST-PIT-D-11-12-B

Tgt Ion:168 Resp: 203302

Ion Ratio Lower Upper

168 100

99 68.0 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

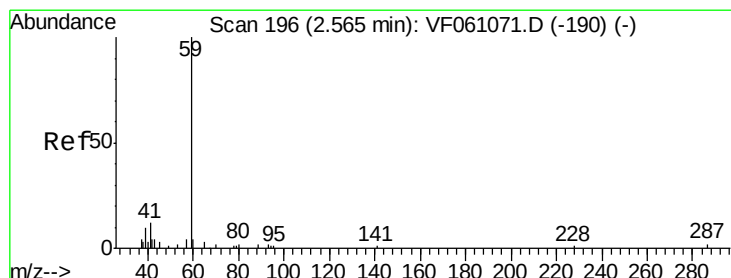
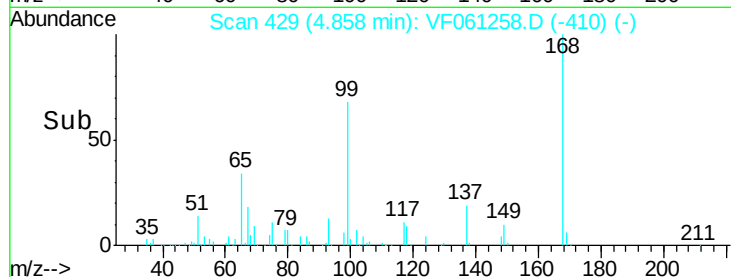
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 6.805 ug/l

RT: 2.55 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF061258.D

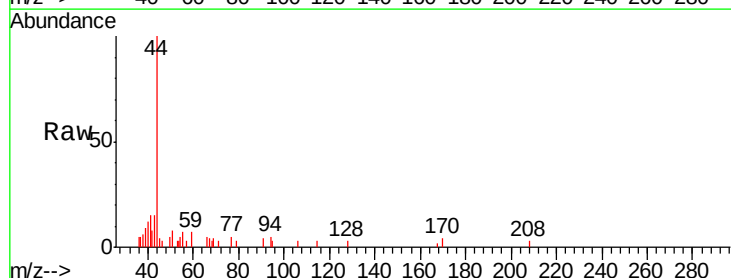
Acq: 2 Jan 2019 17:04

Tgt Ion: 59 Resp: 718

Ion Ratio Lower Upper

59 100

57 40.8 11.5 17.3#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.55

300

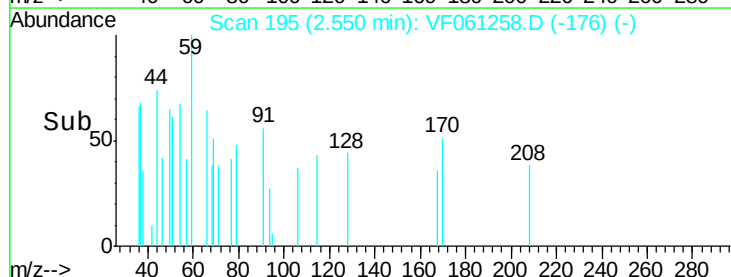
200

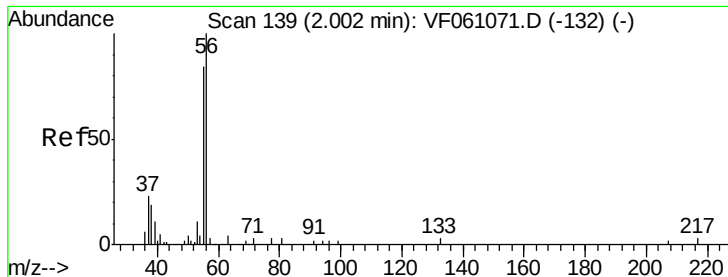
100

0

Time-->

2.50 2.55 2.60





#13

Acrolein

Concen: 2.164 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.08 min

Lab File: VF061258.D

Acq: 2 Jan 2019 17:04

Instrument :

MSVOA_F

ClientSampleId :

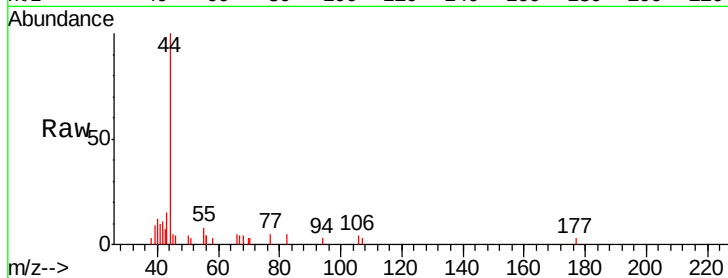
TEST-PIT-D-11-12-B

Tgt Ion: 56 Resp: 165

Ion Ratio Lower Upper

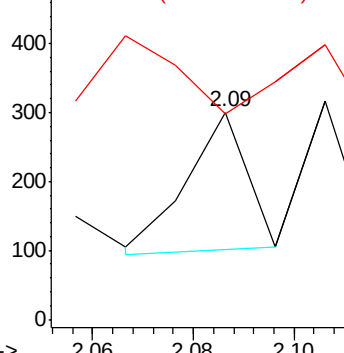
56 100

55 99.3 70.2 105.2

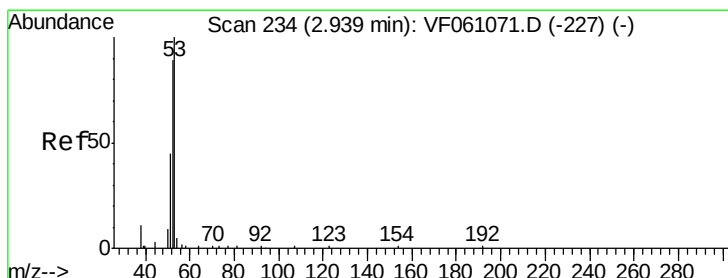
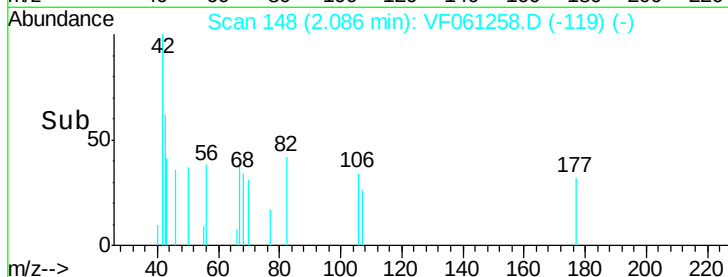


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 1.775 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061258.D

Acq: 2 Jan 2019 17:04

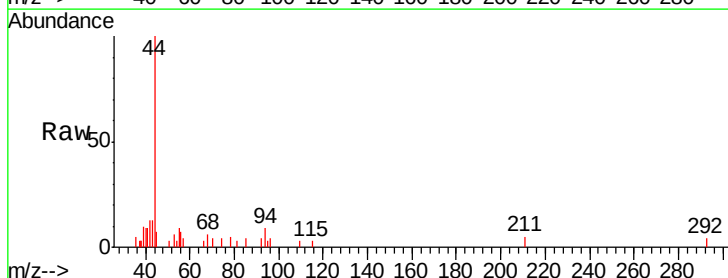
Tgt Ion: 53 Resp: 433

Ion Ratio Lower Upper

53 100

52 0.0 71.3 106.9#

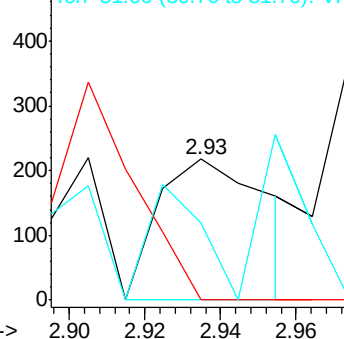
51 54.6 36.8 55.2



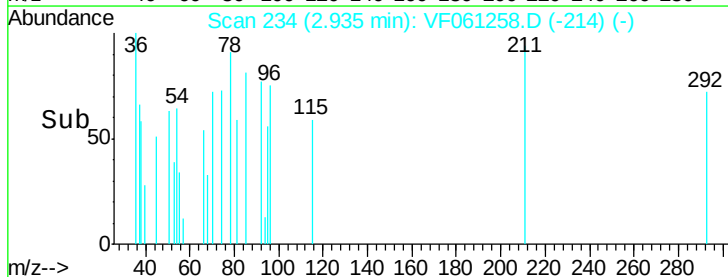
Abundance Ion 53.00 (52.70 to 53.70): VF0

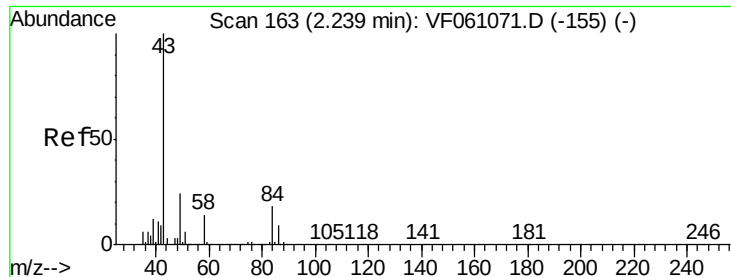
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->





#16

Acetone

Concen: 30.475 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061258.D

Acq: 2 Jan 2019 17:04

Instrument :

MSVOA_F

ClientSampleId :

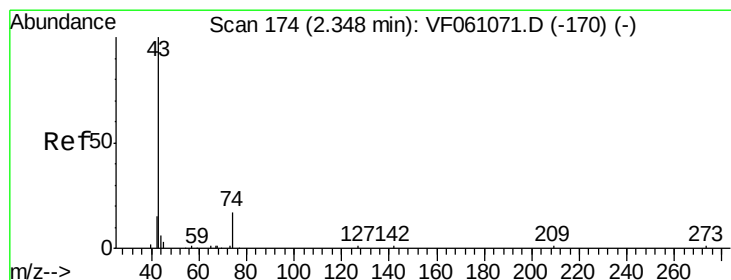
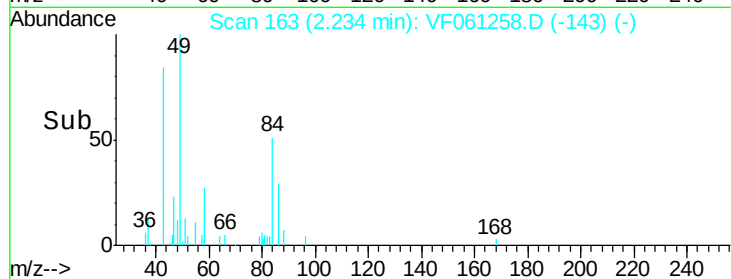
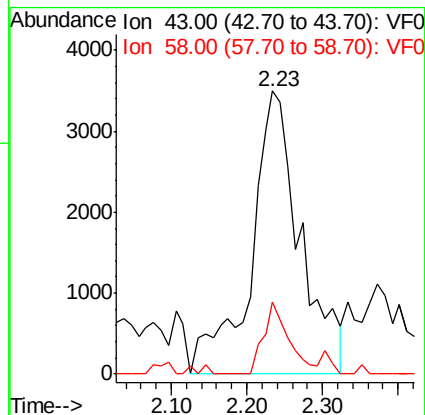
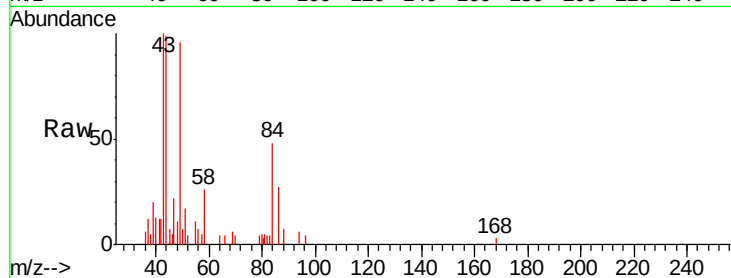
TEST-PIT-D-11-12-B

Tgt Ion: 43 Resp: 15930

Ion Ratio Lower Upper

43 100

58 25.7 11.1 16.7#



#18

Methyl Acetate

Concen: 1.205 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.02 min

Lab File: VF061258.D

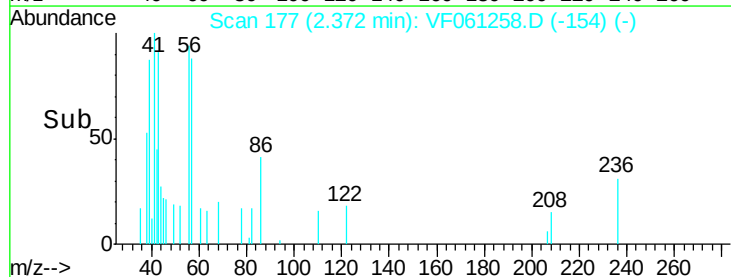
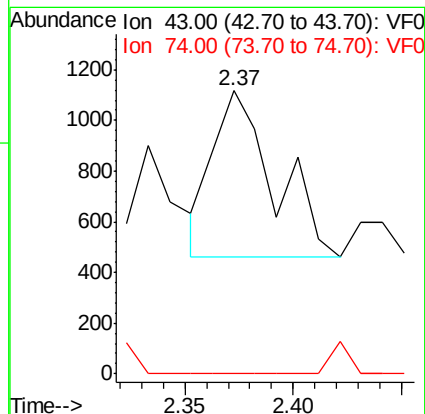
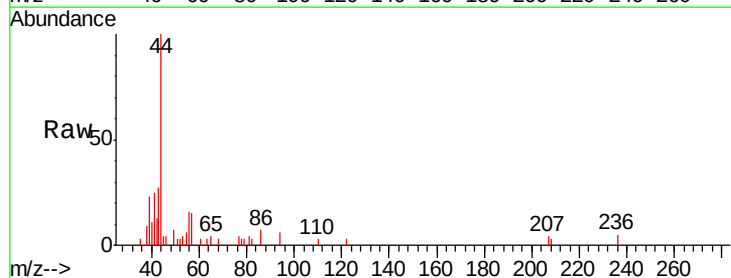
Acq: 2 Jan 2019 17:04

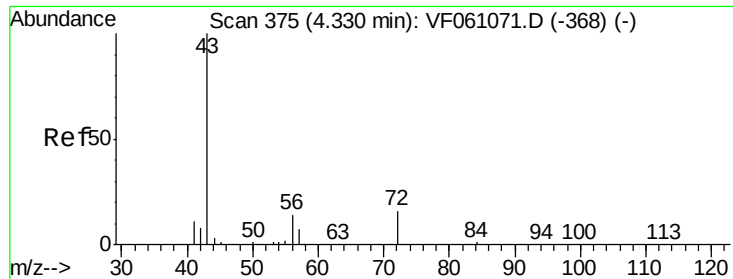
Tgt Ion: 43 Resp: 1303

Ion Ratio Lower Upper

43 100

74 0.0 11.0 16.6#





#25

2-Butanone

Concen: 1.992 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061258.D

Acq: 2 Jan 2019 17:04

Instrument :

MSVOA_F

ClientSampleId :

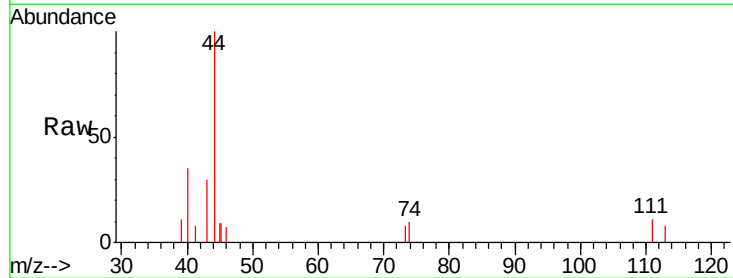
TEST-PIT-D-11-12-B

Tgt Ion: 43 Resp: 1689

Ion Ratio Lower Upper

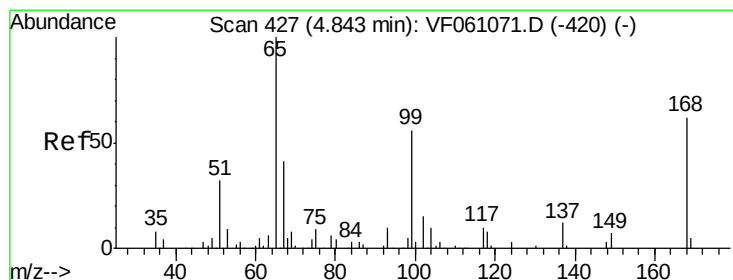
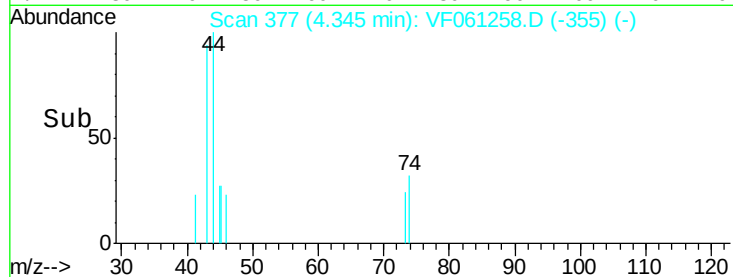
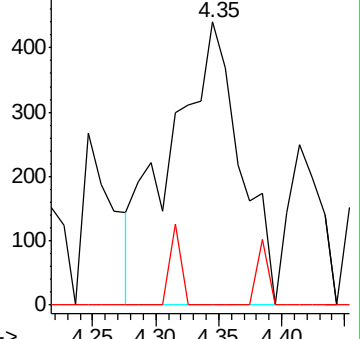
43 100

72 0.0 15.6 23.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 45.814 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF061258.D

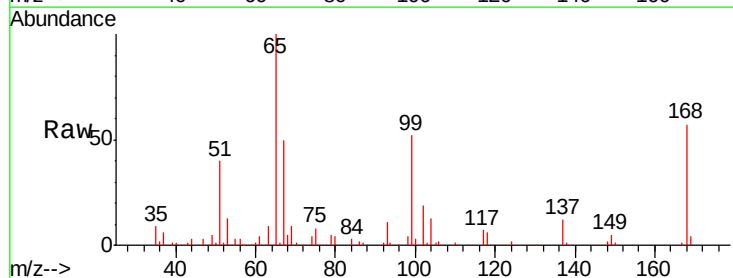
Acq: 2 Jan 2019 17:04

Tgt Ion: 65 Resp: 119796

Ion Ratio Lower Upper

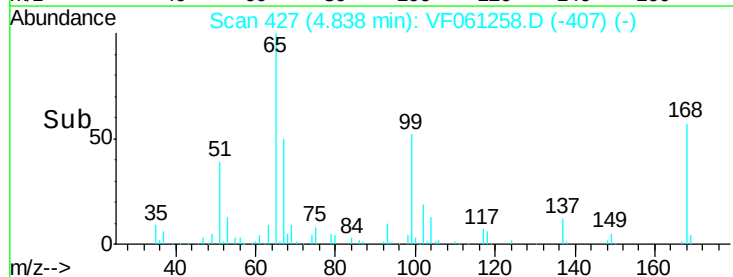
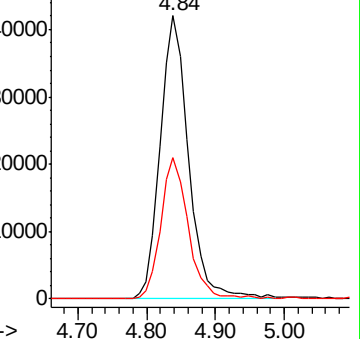
65 100

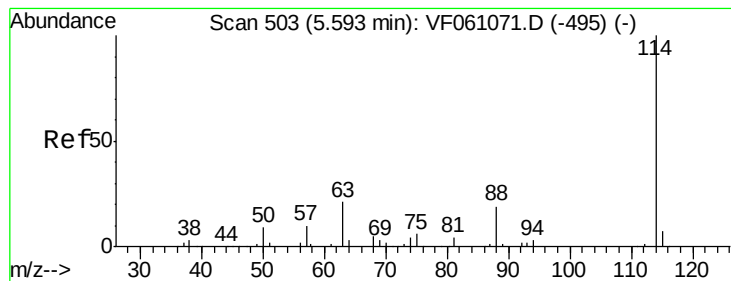
67 50.1 0.0 94.6



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: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061258.D

Acq: 2 Jan 2019 17:04

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-D-11-12-B

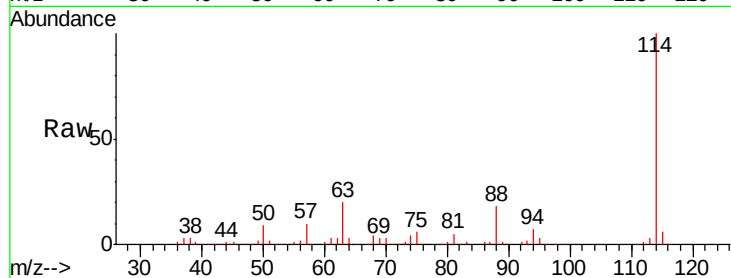
Tgt Ion:114 Resp: 363129

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.6

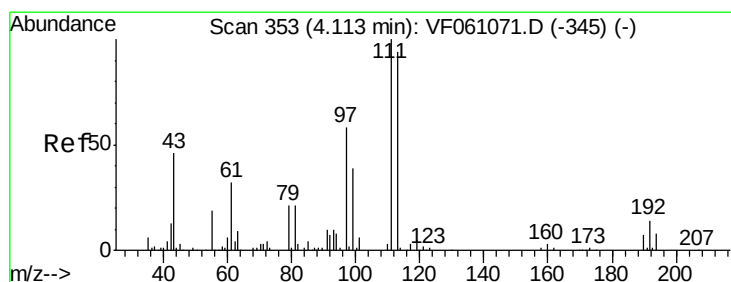
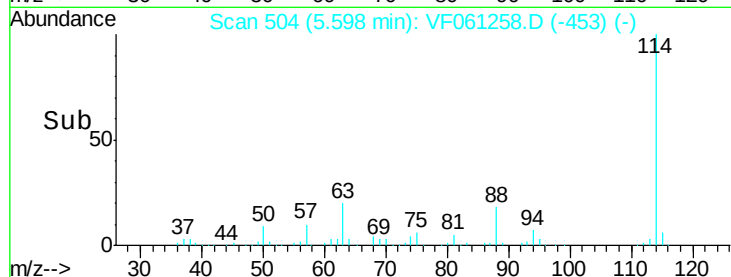
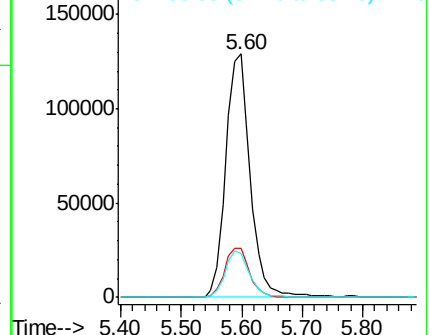
88 18.0 0.0 38.0



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: 48.638 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061258.D

Acq: 2 Jan 2019 17:04

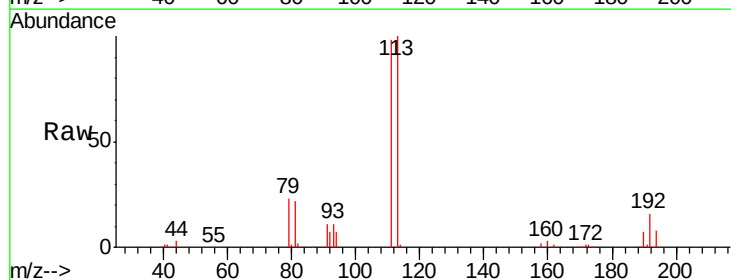
Tgt Ion:113 Resp: 141482

Ion Ratio Lower Upper

113 100

111 97.8 85.2 127.8

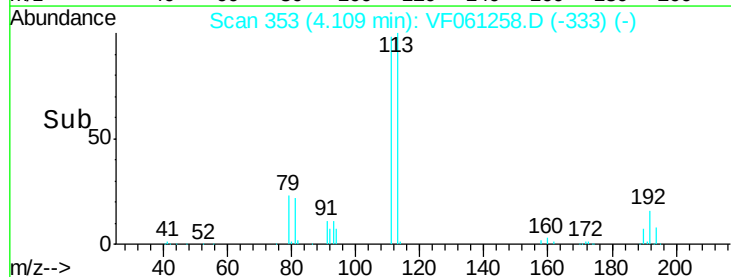
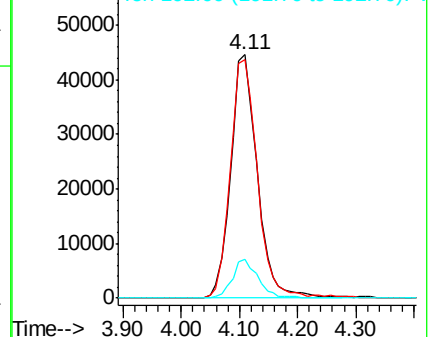
192 16.2 12.8 19.2

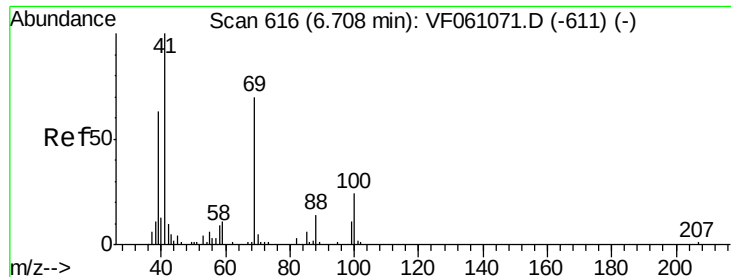


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

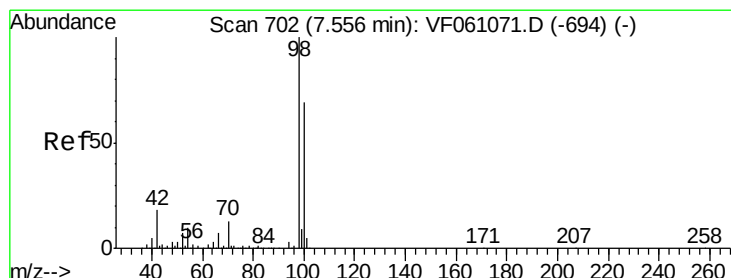
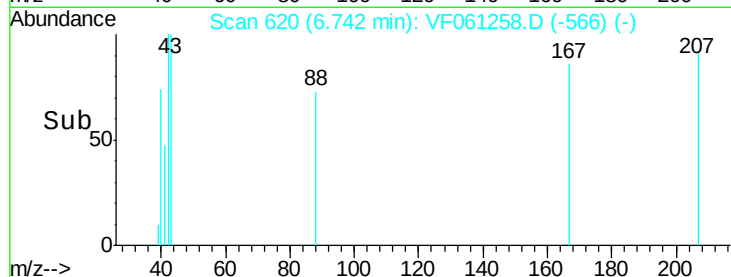
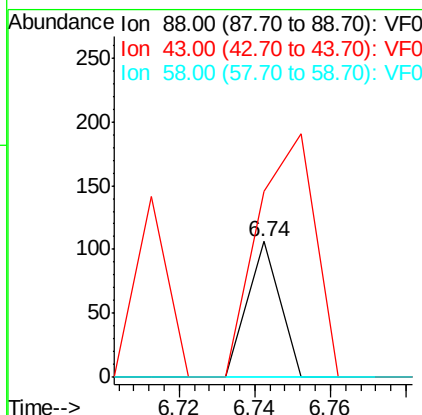
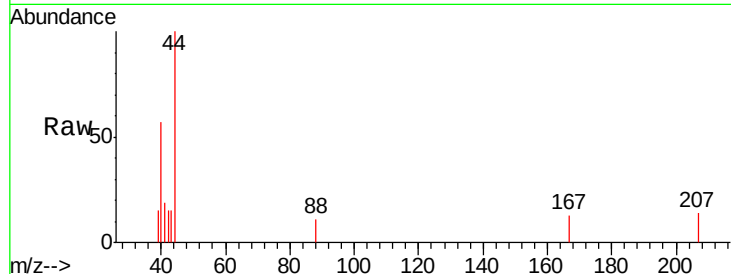




#49
1,4-Dioxane
Concen: 5.876 ug/l
RT: 6.74 min Scan# 620
Delta R.T. 0.03 min
Lab File: VF061258.D
Acq: 2 Jan 2019 17:04

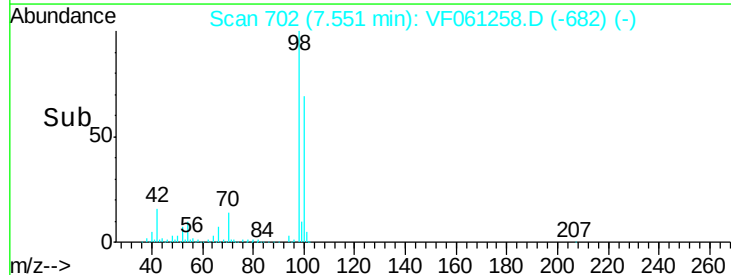
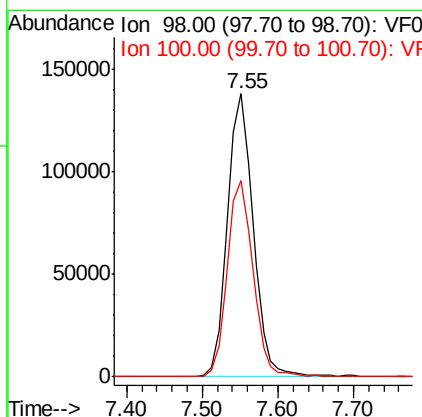
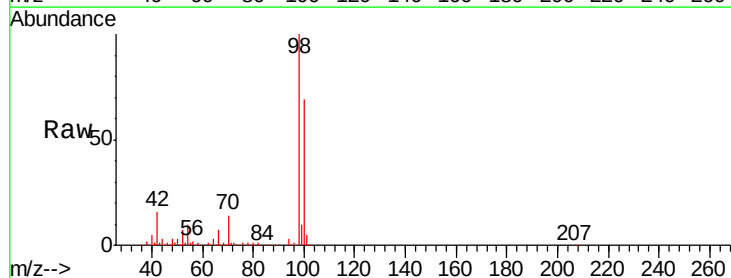
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-D-11-12-B

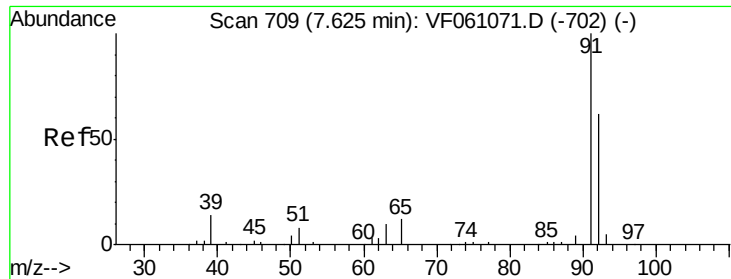
Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 137.7 33.3 49.9#
58 0.0 53.2 79.8#



#50
Toluene-d8
Concen: 39.710 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061258.D
Acq: 2 Jan 2019 17:04

Tgt Ion: 98 Resp: 327347
Ion Ratio Lower Upper
98 100
100 69.2 55.3 82.9





#52

Toluene

Concen: 3.335 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061258.D

Acq: 2 Jan 2019 17:04

Instrument :

MSVOA_F

ClientSampleId :

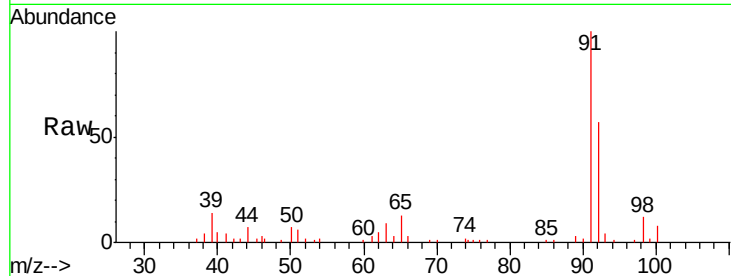
TEST-PIT-D-11-12-B

Tgt Ion: 92 Resp: 20812

Ion Ratio Lower Upper

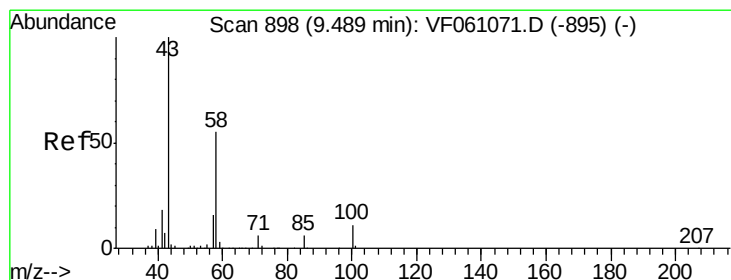
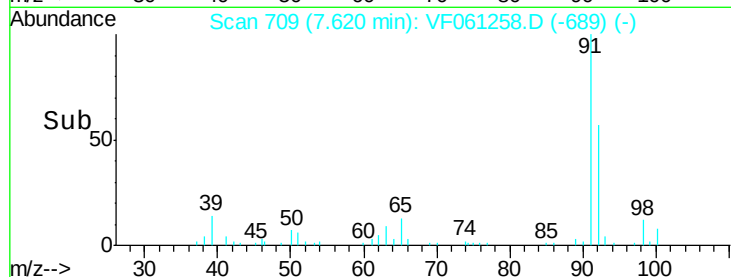
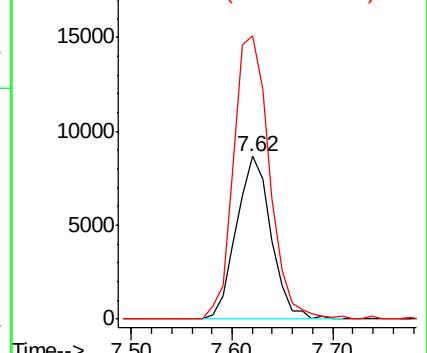
92 100

91 174.2 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#59

2-Hexanone

Concen: 1.213 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.00 min

Lab File: VF061258.D

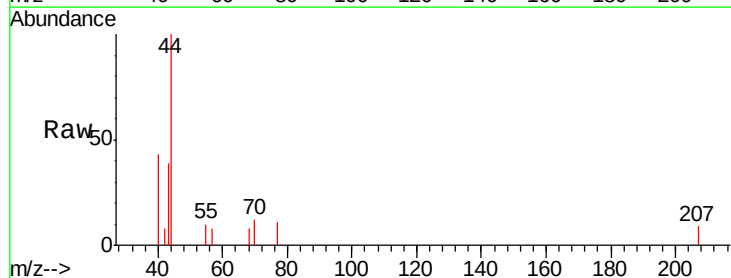
Acq: 2 Jan 2019 17:04

Tgt Ion: 43 Resp: 1273

Ion Ratio Lower Upper

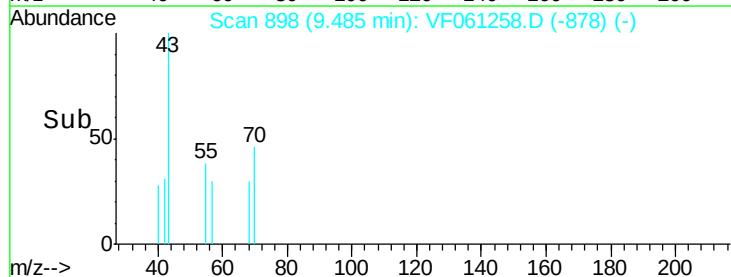
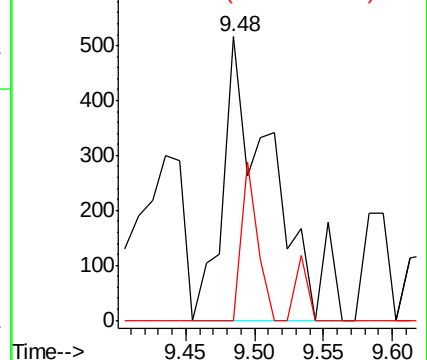
43 100

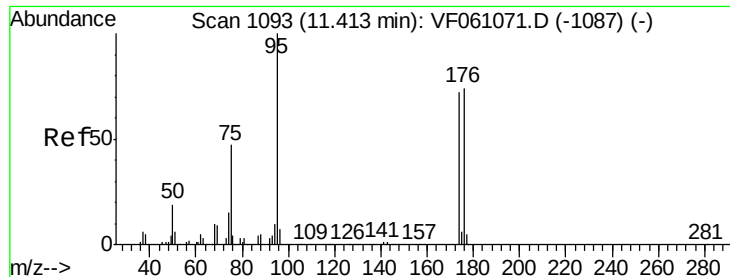
58 0.0 25.1 75.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 34.524 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061258.D

Acq: 2 Jan 2019 17:04

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-D-11-12-B

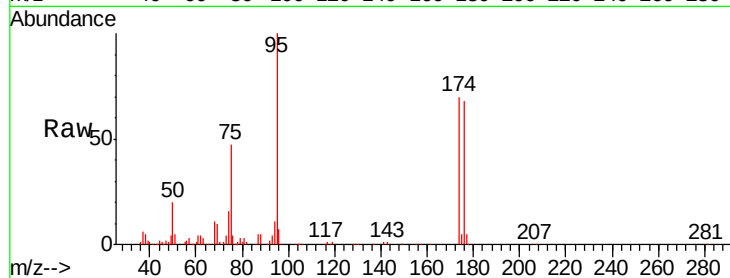
Tgt Ion: 95 Resp: 131201

Ion Ratio Lower Upper

95 100

174 70.0 0.0 143.8

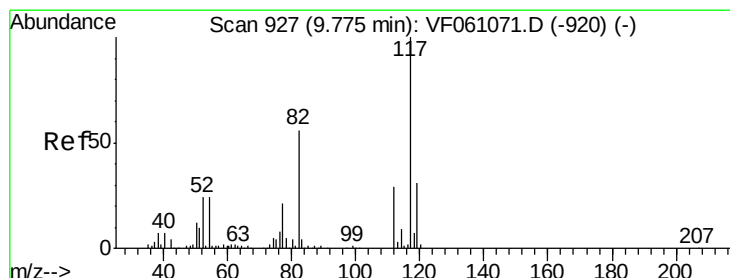
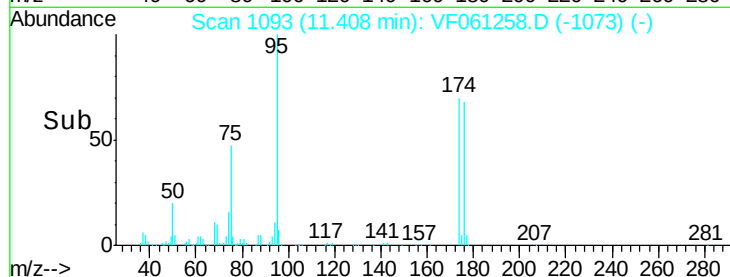
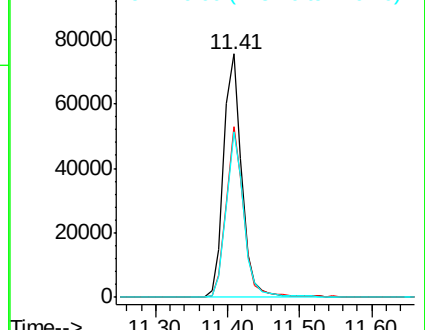
176 68.1 0.0 147.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.00 min

Lab File: VF061258.D

Acq: 2 Jan 2019 17:04

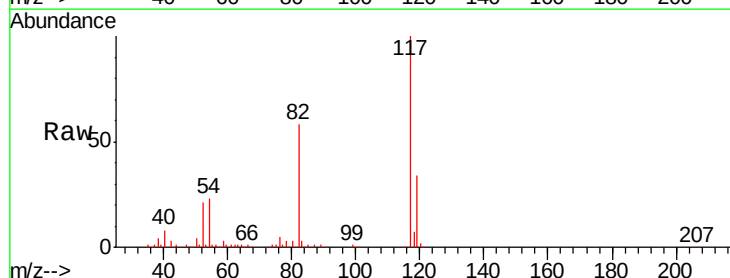
Tgt Ion: 117 Resp: 294219

Ion Ratio Lower Upper

117 100

82 58.2 45.0 67.4

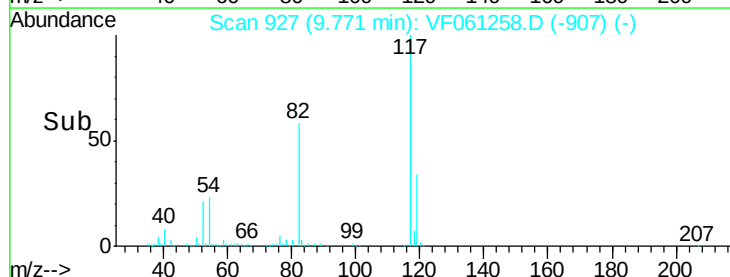
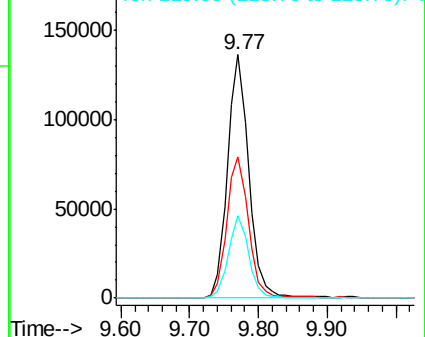
119 33.6 24.8 37.2

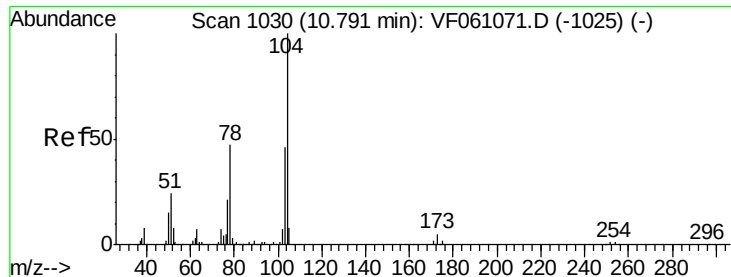


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#70

Styrene

Concen: Below Cal

RT: 10.79 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VF061258.D

Acq: 2 Jan 2019 17:04

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-D-11-12-B

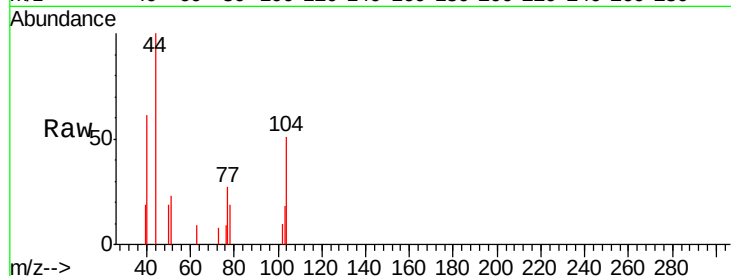
Tgt Ion:104 Resp: 1233

Ion Ratio Lower Upper

104 100

78 37.0 38.4 57.6#

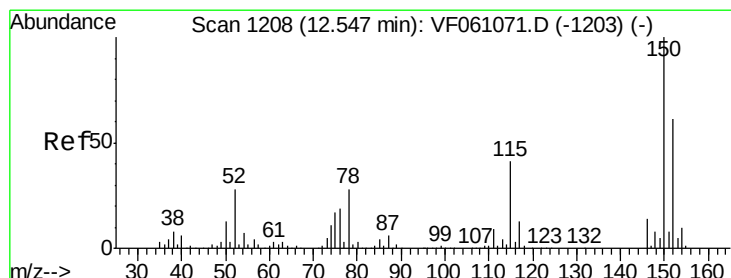
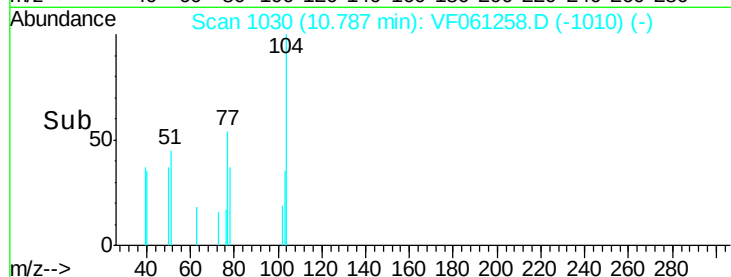
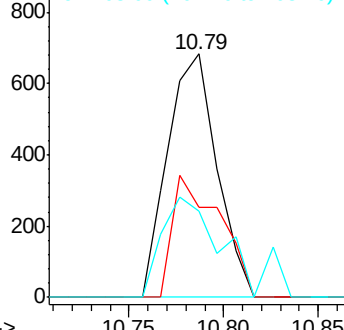
103 35.3 37.0 55.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061258.D

Acq: 2 Jan 2019 17:04

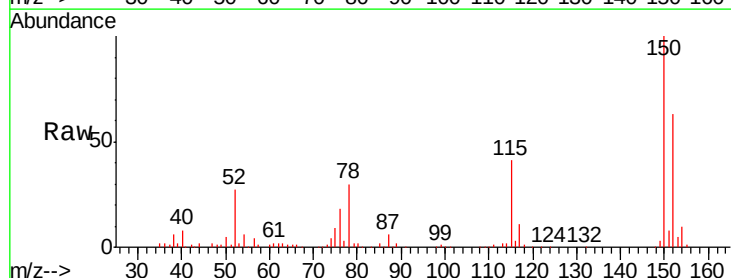
Tgt Ion:152 Resp: 111811

Ion Ratio Lower Upper

152 100

115 65.0 33.3 99.9

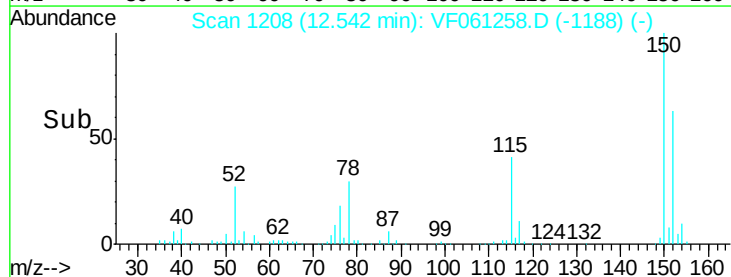
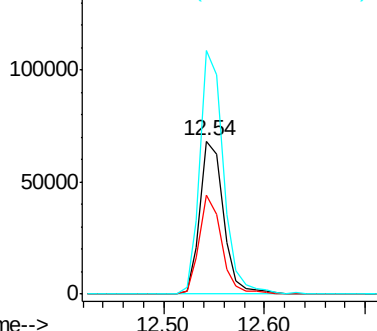
150 159.1 0.0 328.2

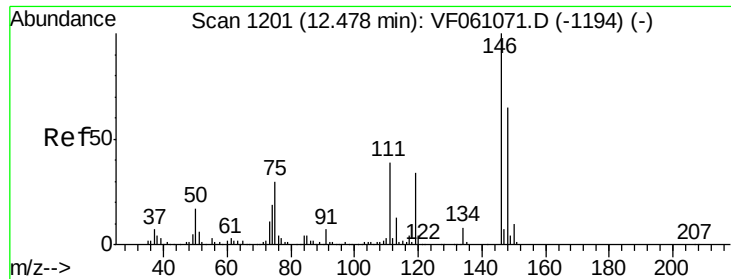


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061258.D
 Acq: 2 Jan 2019 17:04

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-D-11-12-B

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.3	57.9#
148	0.0	32.4	97.2#

