

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF020819\
 Data File : VF061568.D
 Acq On : 8 Feb 2019 20:11
 Operator : VA/AP
 Sample : K1452-01
 Misc : 6.41g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-2

Quant Time: Feb 09 04:32:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	183277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	333023	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	272664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	124507	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	102343	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	
35) Dibromofluoromethane	4.10	113	114864	43.71	ug/l	0.00
Spiked Amount			Recovery	=	87.42%	
50) Toluene-d8	7.54	98	276070	38.34	ug/l	0.00
Spiked Amount			Recovery	=	76.68%	
62) 4-Bromofluorobenzene	11.40	95	127255	37.83	ug/l	0.00
Spiked Amount			Recovery	=	75.66%	

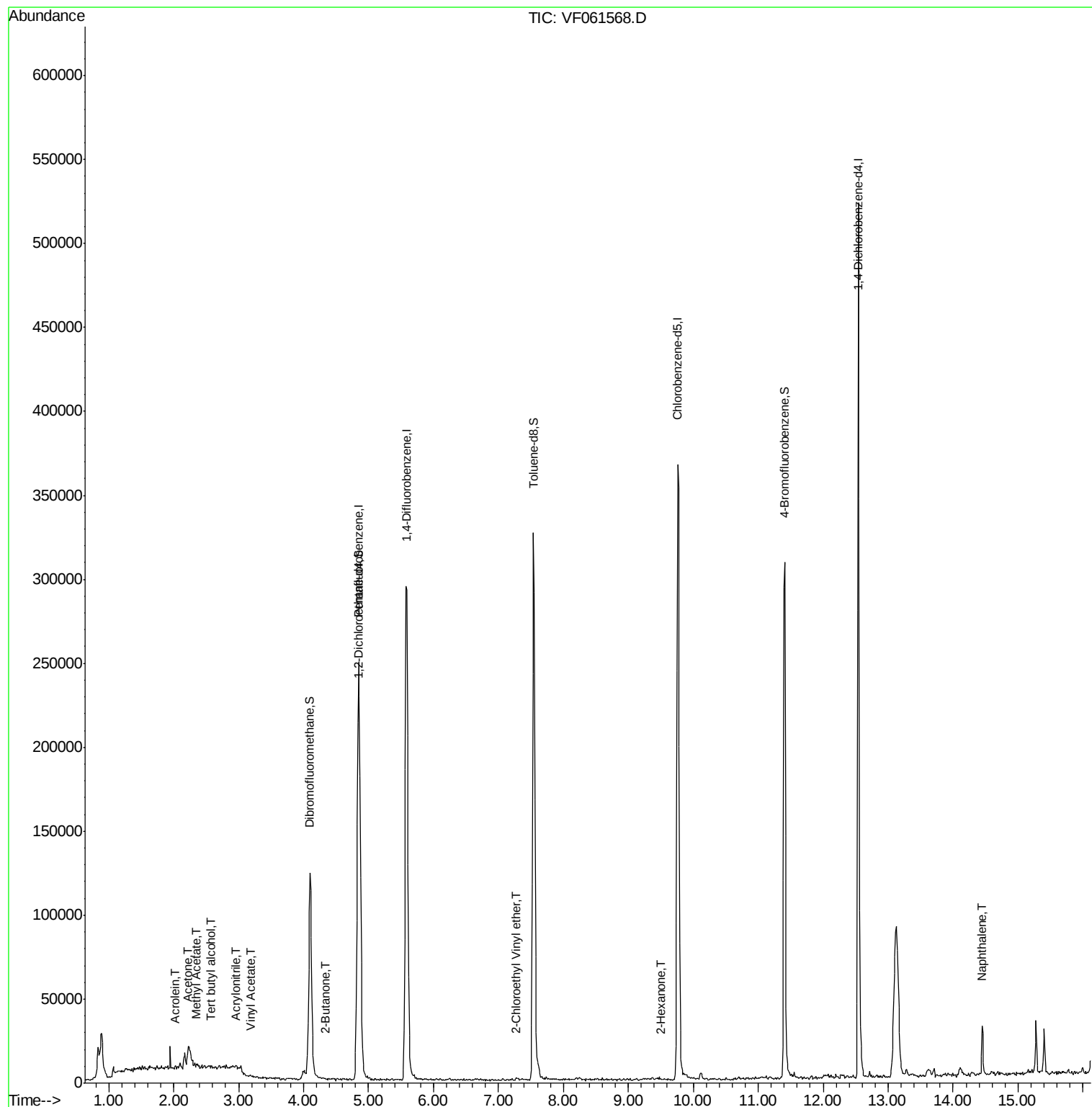
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	218	2.276	ug/l #	1
13) Acrolein	2.01	56	411	15.113	ug/l #	1
14) Allyl chloride	2.12	41	751	Below Cal	#	51
15) Acrylonitrile	2.96	53	1125	4.585	ug/l #	62
16) Acetone	2.23	43	12371	27.252	ug/l #	92
18) Methyl Acetate	2.35	43	1972	2.191	ug/l #	61
20) Methylene Chloride	2.18	84	2465	Below Cal	#	74
23) Vinyl Acetate	3.18	43	451	3.368	ug/l #	78
25) 2-Butanone	4.34	43	1109	1.469	ug/l #	72
58) 2-Chloroethyl Vinyl ether	7.28	63	73	27.849	ug/l #	47
59) 2-Hexanone	9.49	43	1445	1.455	ug/l #	26
95) Naphthalene	14.45	128	22187	4.167	ug/l	99

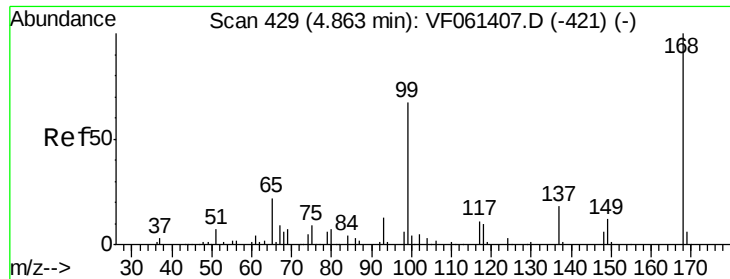
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF020819\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

Instrument :

MSVOA_F

ClientSampleId :

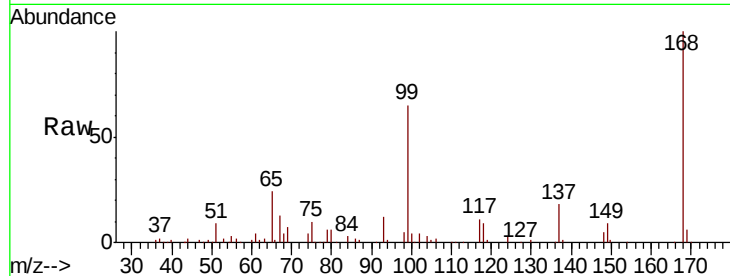
TEST-PIT-2

Tgt Ion:168 Resp: 183277

Ion Ratio Lower Upper

168 100

99 65.1 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

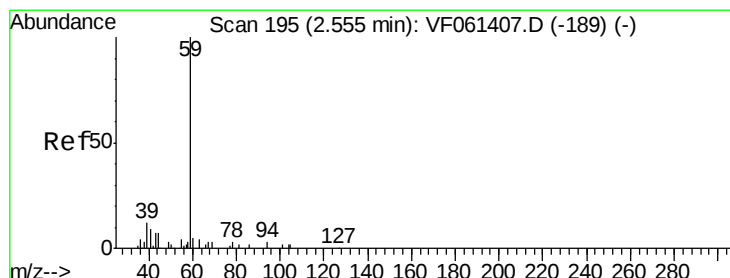
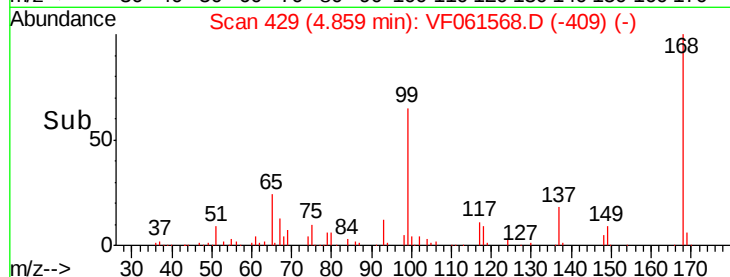
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.276 ug/l

RT: 2.58 min Scan# 198

Delta R.T. 0.02 min

Lab File: VF061568.D

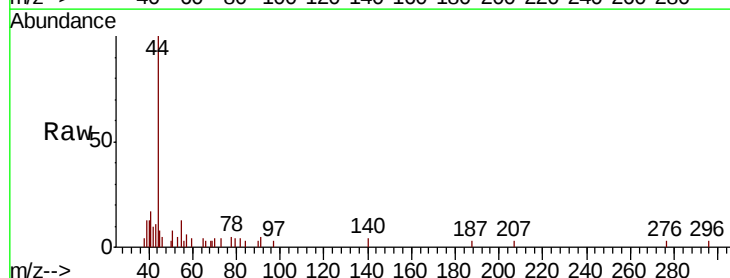
Acq: 8 Feb 2019 20:11

Tgt Ion: 59 Resp: 218

Ion Ratio Lower Upper

59 100

57 160.9 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.58

250

200

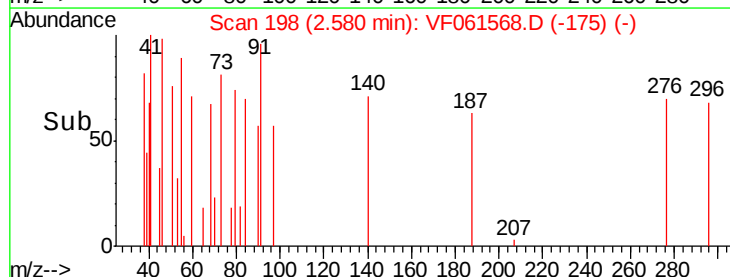
150

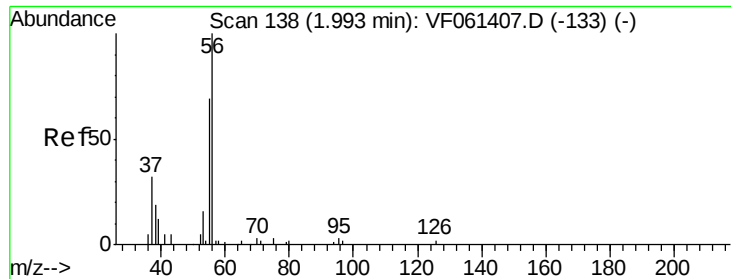
100

50

0

Time-->

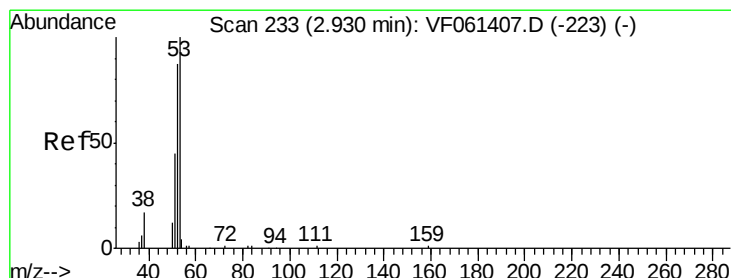
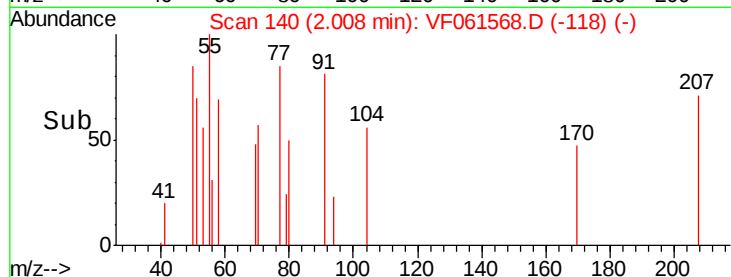
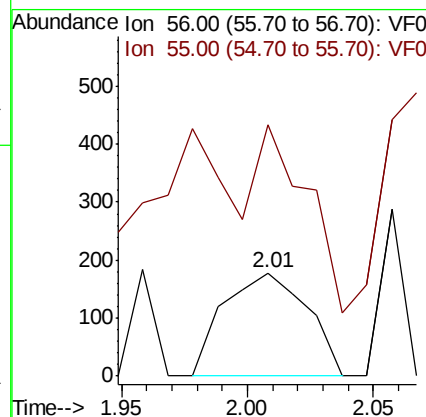
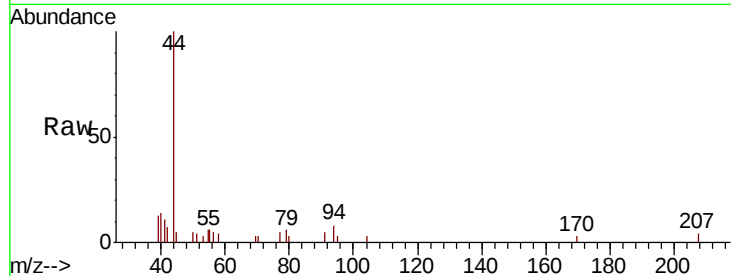




#13
Acrolein
Concen: 15.113 ug/l
RT: 2.01 min Scan# 140
Delta R.T. 0.02 min
Lab File: VF061568.D
Acq: 8 Feb 2019 20:11

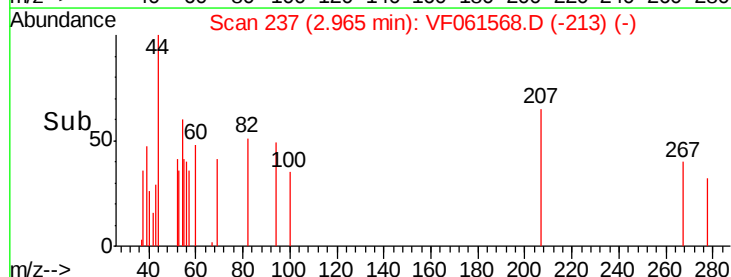
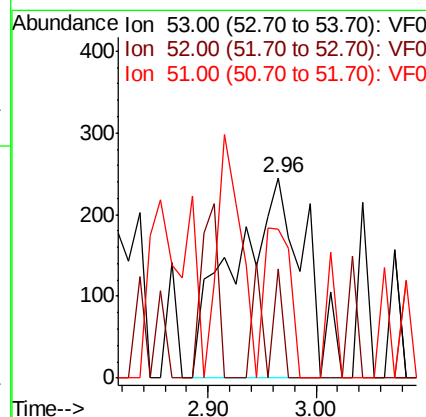
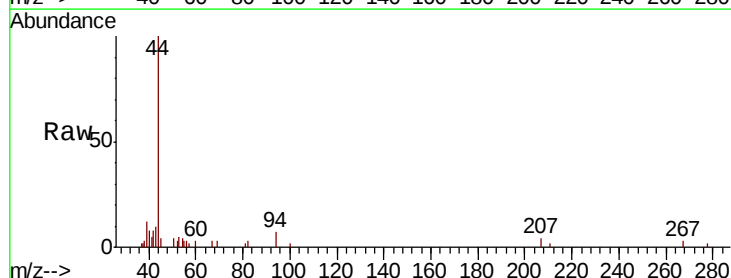
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-2

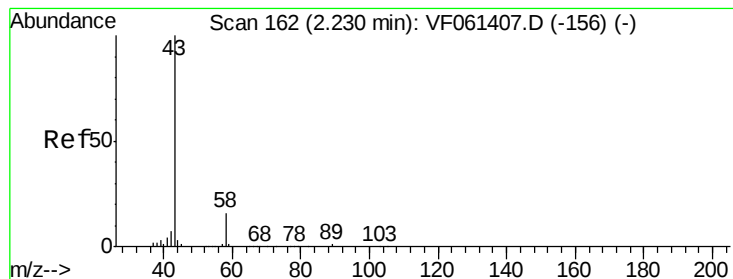
Tgt Ion: 56 Resp: 411
Ion Ratio Lower Upper
56 100
55 243.3 57.5 86.3#



#15
Acrylonitrile
Concen: 4.585 ug/l
RT: 2.96 min Scan# 237
Delta R.T. 0.03 min
Lab File: VF061568.D
Acq: 8 Feb 2019 20:11

Tgt Ion: 53 Resp: 1125
Ion Ratio Lower Upper
53 100
52 54.3 69.6 104.4#
51 74.3 36.8 55.2#





#16

Acetone

Concen: 27.252 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

Instrument :

MSVOA_F

ClientSampleId :

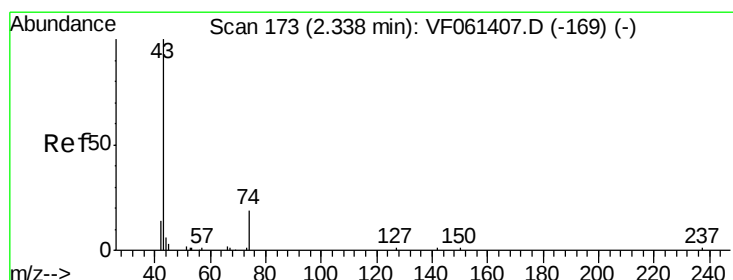
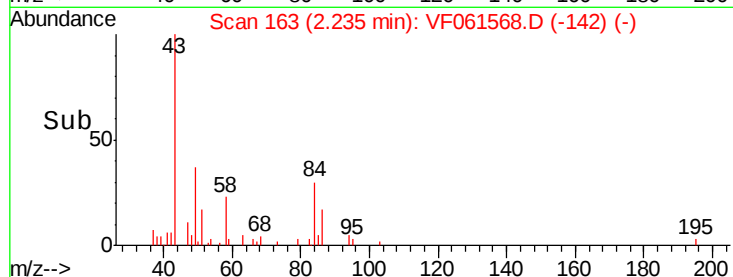
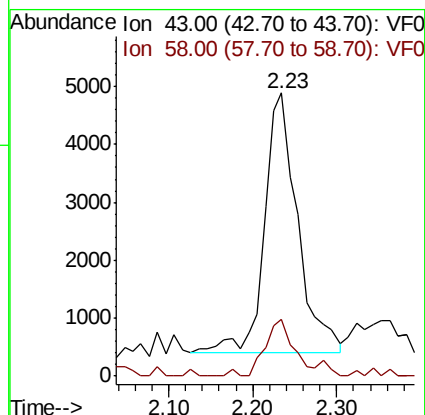
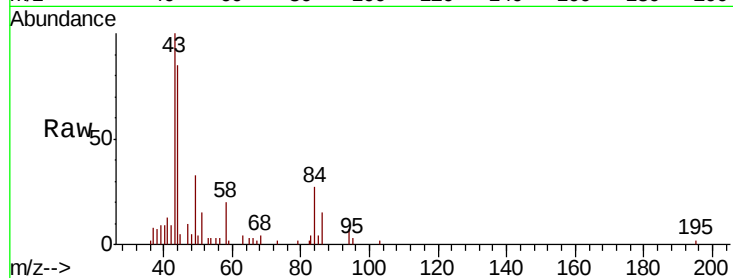
TEST-PIT-2

Tgt Ion: 43 Resp: 12371

Ion Ratio Lower Upper

43 100

58 20.2 13.3 19.9#



#18

Methyl Acetate

Concen: 2.191 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF061568.D

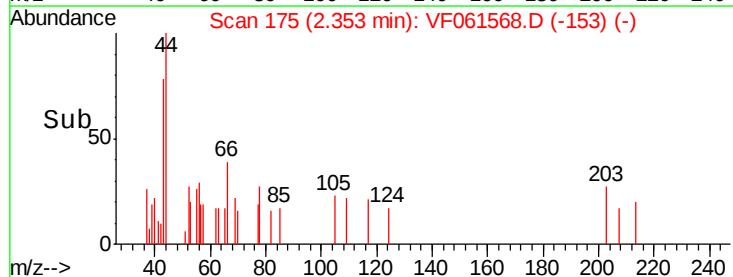
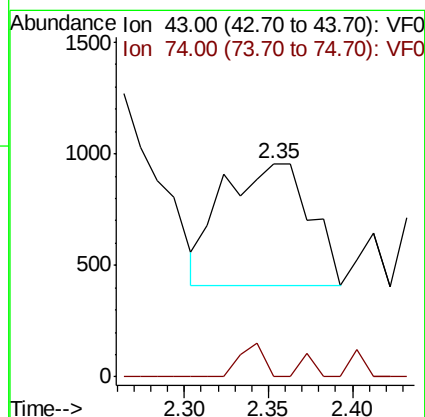
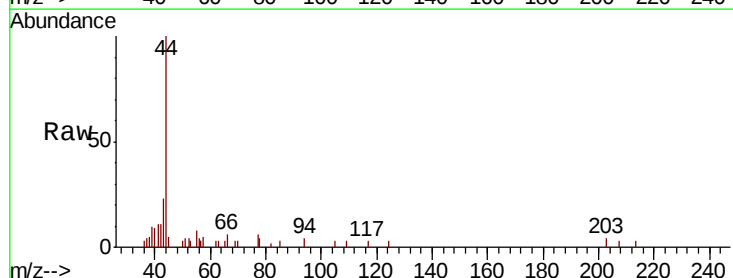
Acq: 8 Feb 2019 20:11

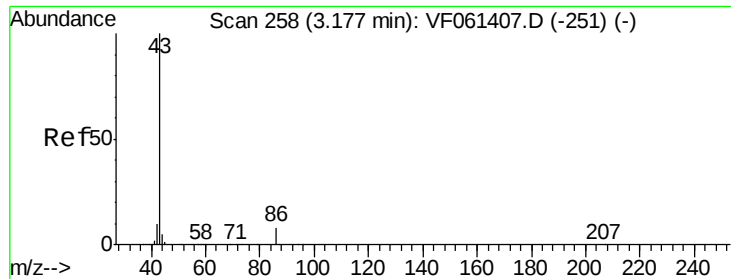
Tgt Ion: 43 Resp: 1972

Ion Ratio Lower Upper

43 100

74 0.0 13.4 20.0#





#23

Vinyl Acetate

Concen: 3.368 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

Instrument :

MSVOA_F

ClientSampleId :

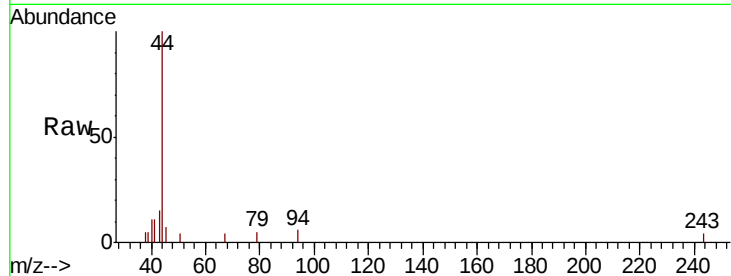
TEST-PIT-2

Tgt Ion: 43 Resp: 451

Ion Ratio Lower Upper

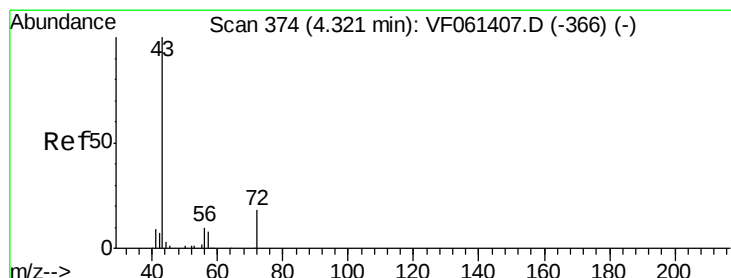
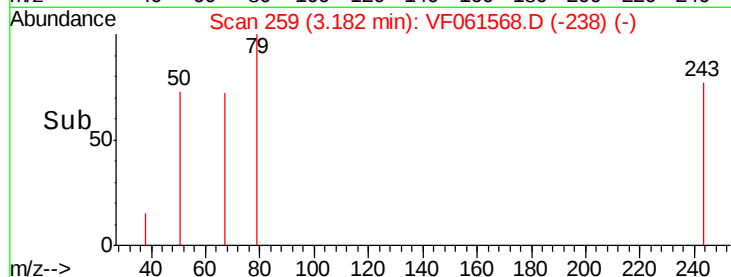
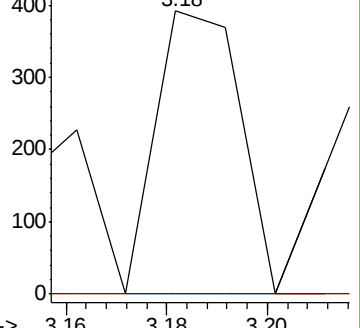
43 100

86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 1.469 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061568.D

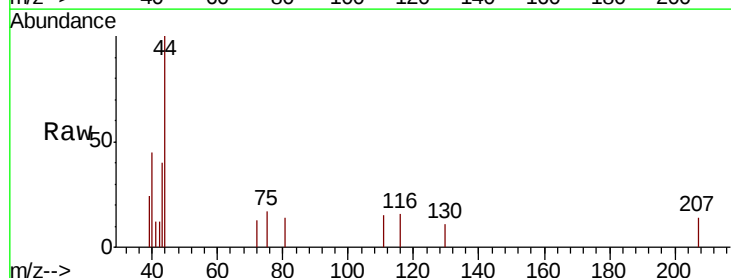
Acq: 8 Feb 2019 20:11

Tgt Ion: 43 Resp: 1109

Ion Ratio Lower Upper

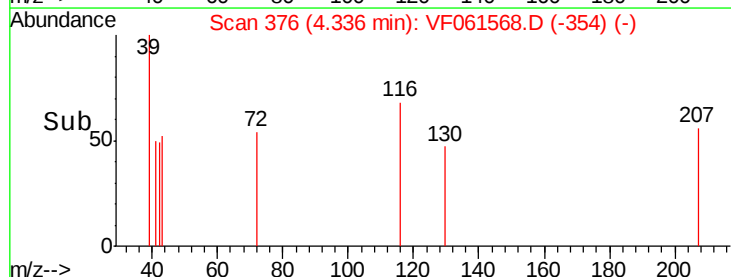
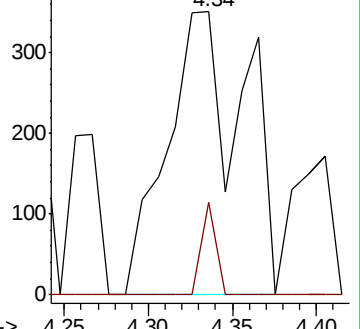
43 100

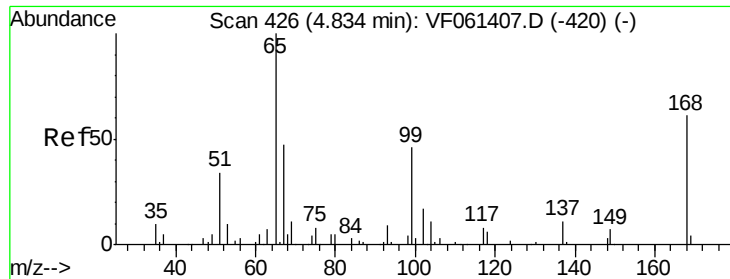
72 32.5 15.8 23.6#



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: 45.229 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

Instrument :

MSVOA_F

ClientSampleId :

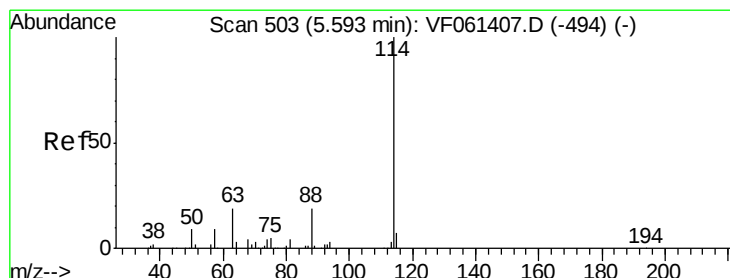
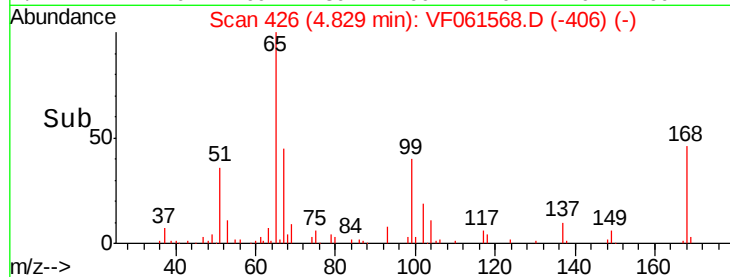
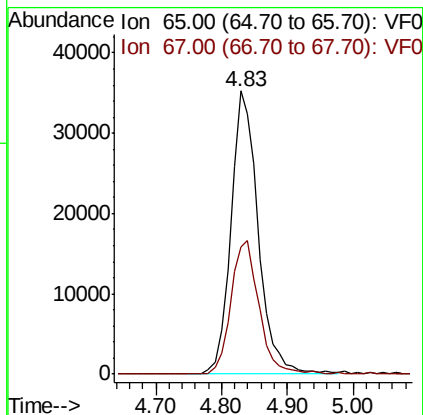
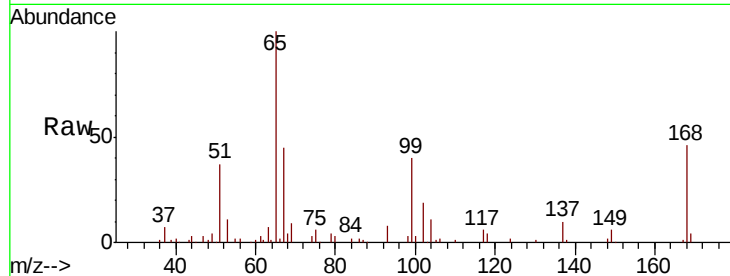
TEST-PIT-2

Tgt Ion: 65 Resp: 102343

Ion Ratio Lower Upper

65 100

67 45.1 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

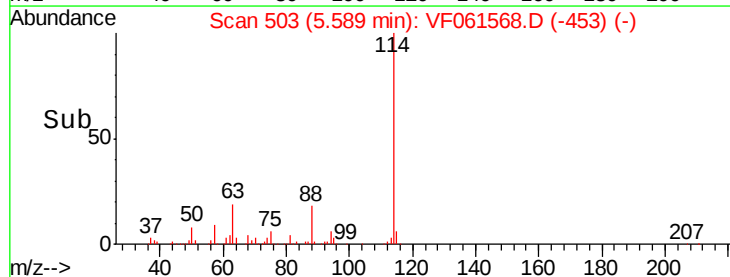
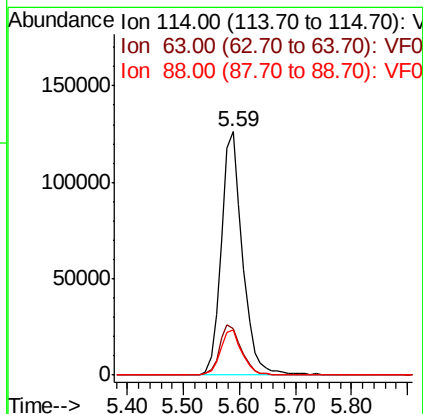
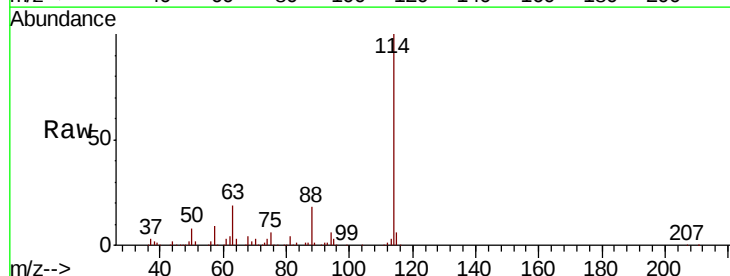
Tgt Ion: 114 Resp: 333023

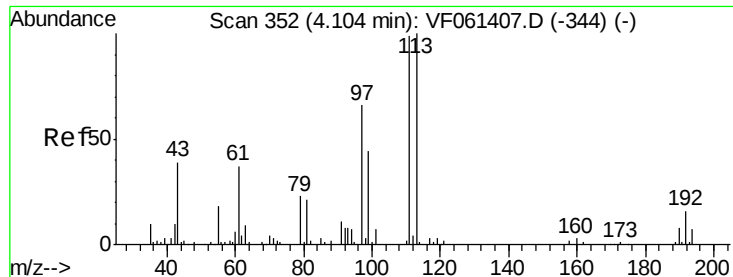
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.0

88 18.3 0.0 37.4





#35

Dibromofluoromethane

Concen: 43.710 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-2

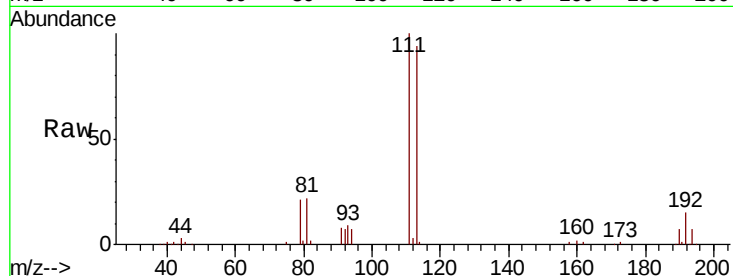
Tgt Ion:113 Resp: 114864

Ion Ratio Lower Upper

113 100

111 106.3 79.4 119.0

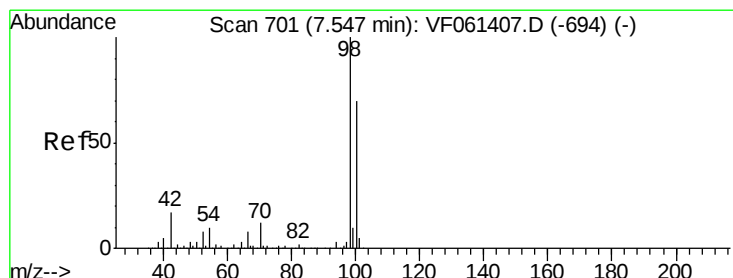
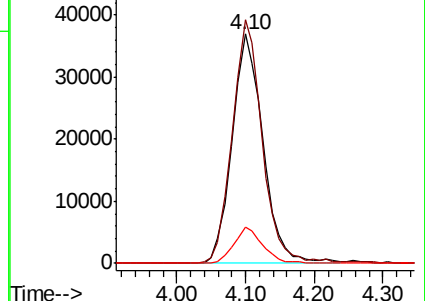
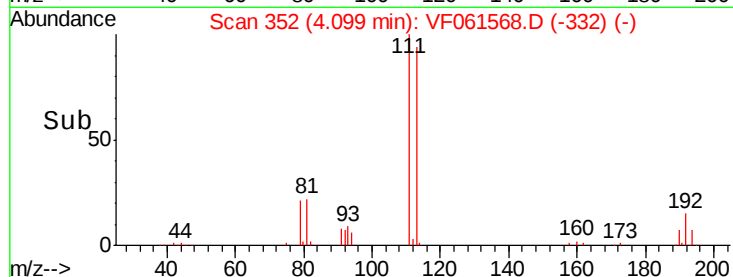
192 15.9 12.4 18.6



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



#50

Toluene-d8

Concen: 38.344 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061568.D

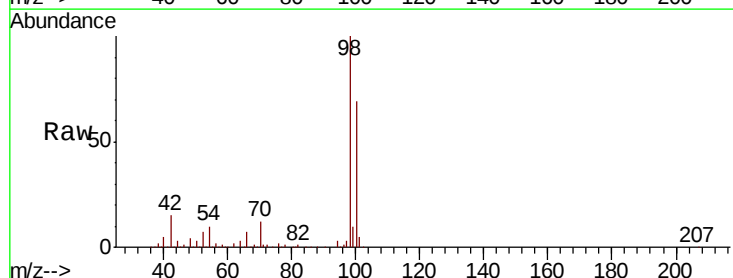
Acq: 8 Feb 2019 20:11

Tgt Ion: 98 Resp: 276070

Ion Ratio Lower Upper

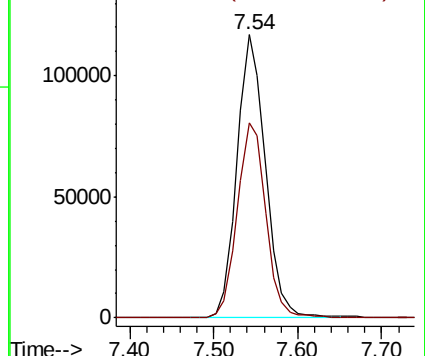
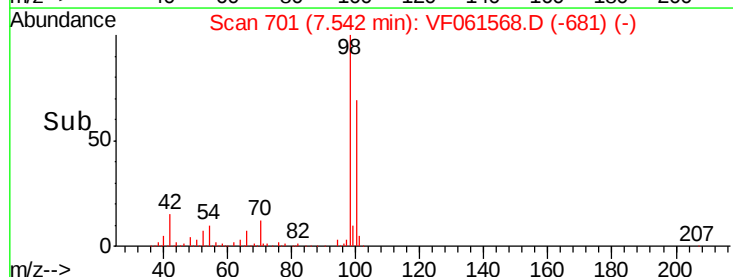
98 100

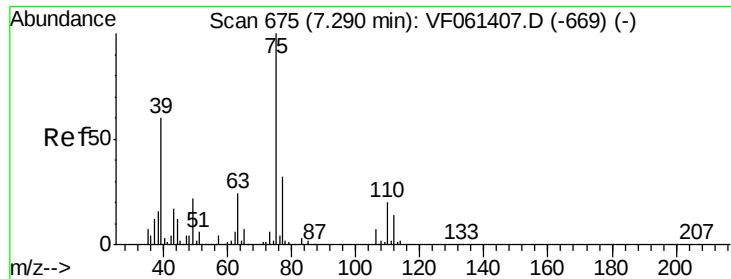
100 68.8 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

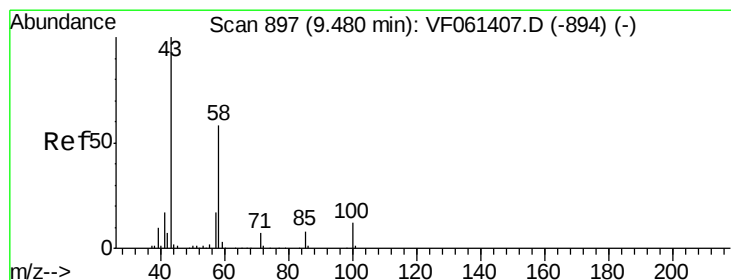
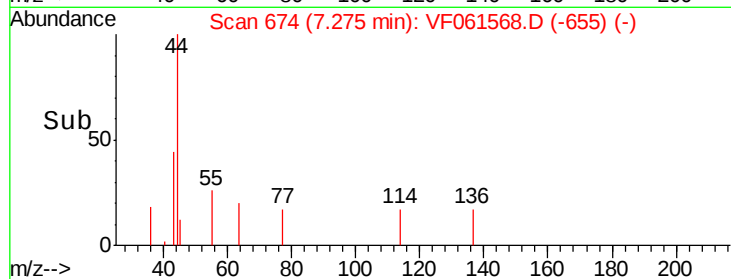
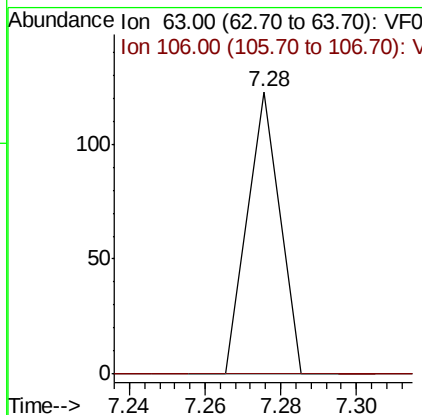
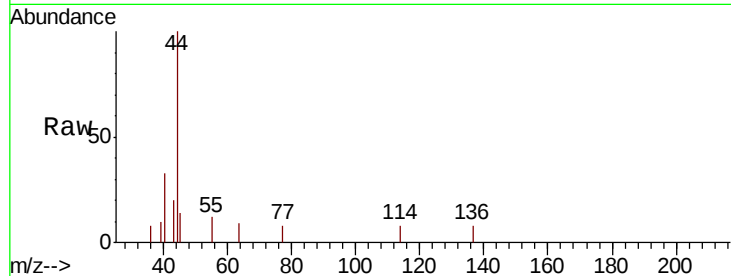




#58
 2-Chloroethyl Vinyl ether
 Concen: 27.849 ug/l
 RT: 7.28 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VF061568.D
 Acq: 8 Feb 2019 20:11

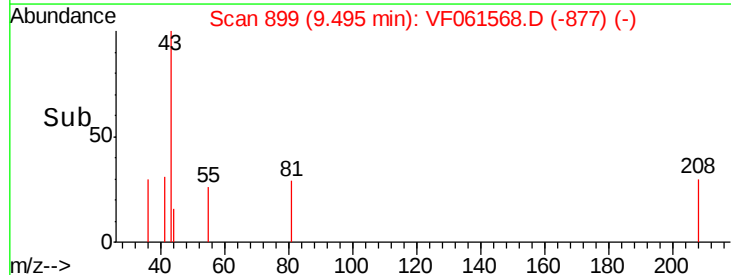
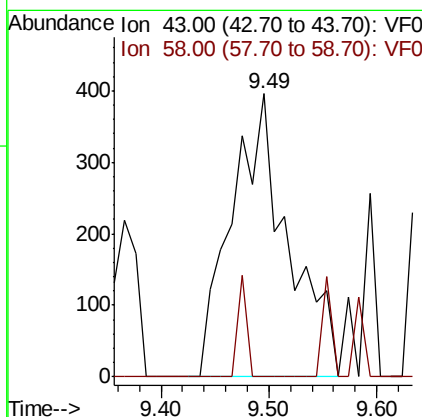
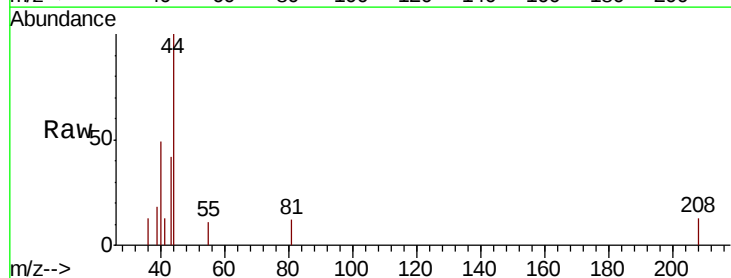
Instrument :
 MSVOA_F
 ClientSampled :
 TEST-PIT-2

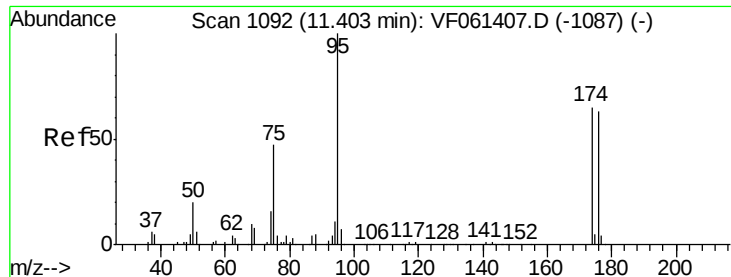
Tgt Ion: 63 Resp: 73
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.9 32.9#



#59
 2-Hexanone
 Concen: 1.455 ug/l
 RT: 9.49 min Scan# 899
 Delta R.T. 0.01 min
 Lab File: VF061568.D
 Acq: 8 Feb 2019 20:11

Tgt Ion: 43 Resp: 1445
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 77.6#





#62

4-Bromofluorobenzene

Concen: 37.829 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-2

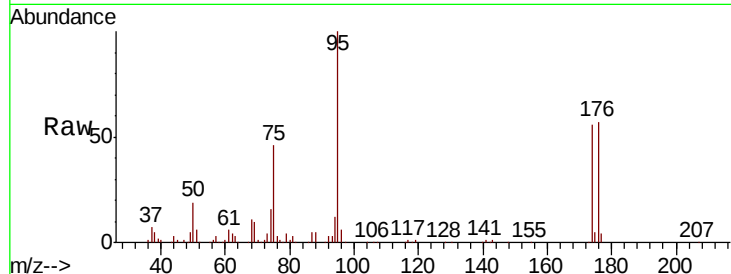
Tgt Ion: 95 Resp: 127255

Ion Ratio Lower Upper

95 100

174 55.7 0.0 130.4

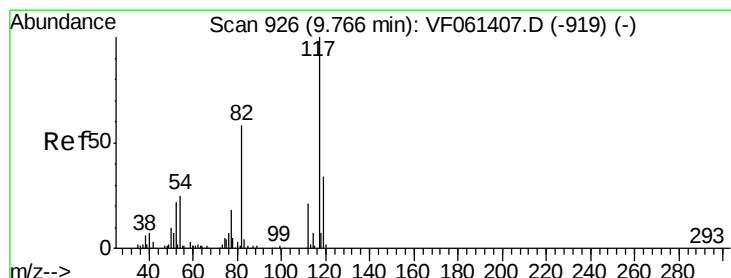
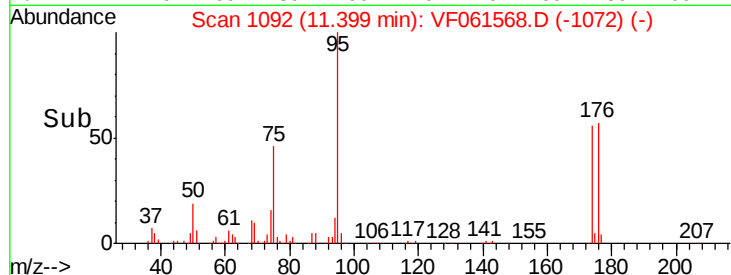
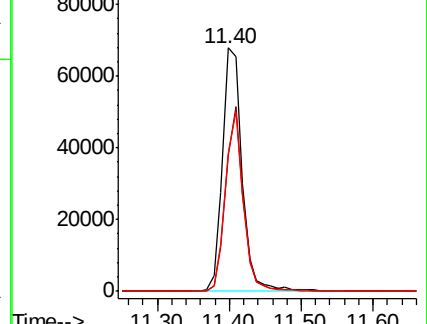
176 56.7 0.0 126.2



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: 9.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

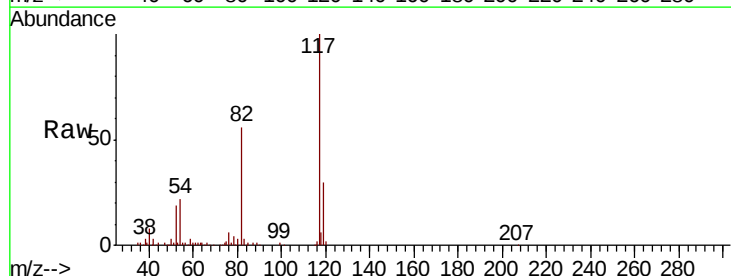
Tgt Ion: 117 Resp: 272664

Ion Ratio Lower Upper

117 100

82 56.4 46.4 69.6

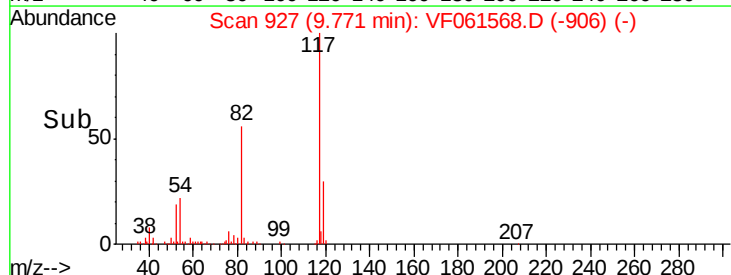
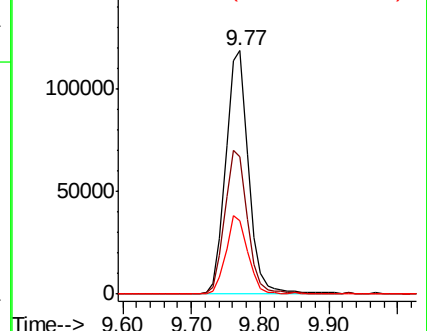
119 30.4 27.2 40.8

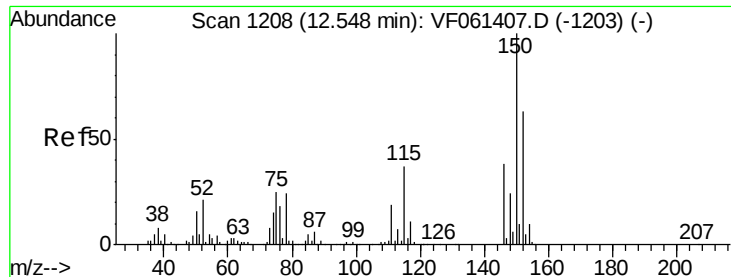


Abundance Ion 117.00 (116.70 to 117.70): V

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# 1208

Delta R.T. -0.00 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-2

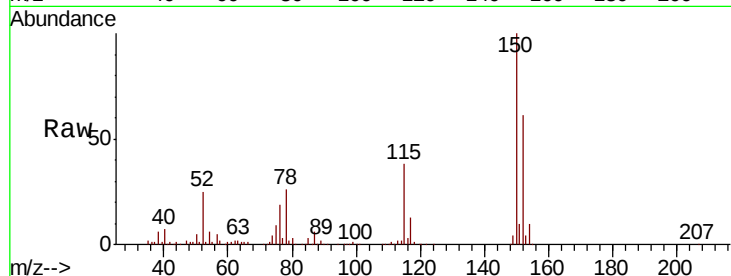
Tgt Ion:152 Resp: 124507

Ion Ratio Lower Upper

152 100

115 62.6 30.0 90.0

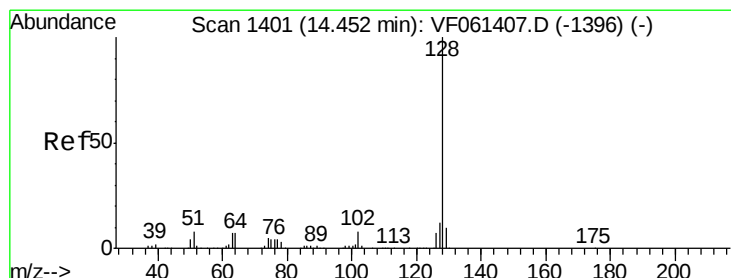
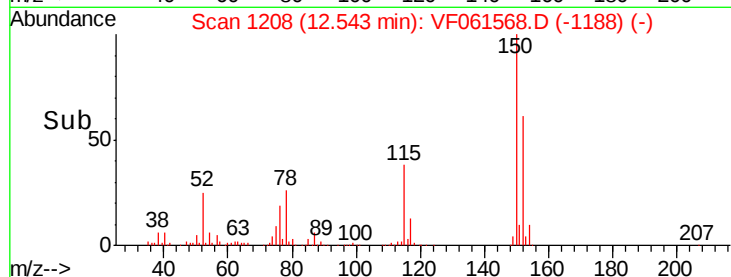
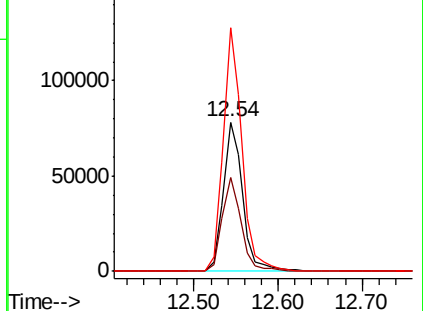
150 163.4 0.0 321.4



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



#95

Naphthalene

Concen: 4.167 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

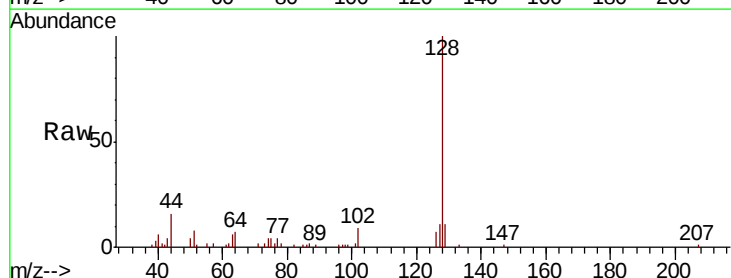
Tgt Ion:128 Resp: 22187

Ion Ratio Lower Upper

128 100

127 11.4 9.5 14.3

129 10.9 8.4 12.6



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

