

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122718\
 Data File : VF061216.D
 Acq On : 27 Dec 2018 19:04
 Operator : VA/AP
 Sample : J6498-03
 Misc : 5.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSSI-1218-S-DH-9-B

Quant Time: Dec 27 23:50:49 2018
 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	4.85	168	185690	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	325855	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	304495	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	139735	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	131856	55.21	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	110.42%	
35) Dibromofluoromethane	4.09	113	139455	53.43	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.86%	
50) Toluene-d8	7.53	98	323148	43.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.38%	
62) 4-Bromofluorobenzene	11.40	95	150277	44.07	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	88.14%	

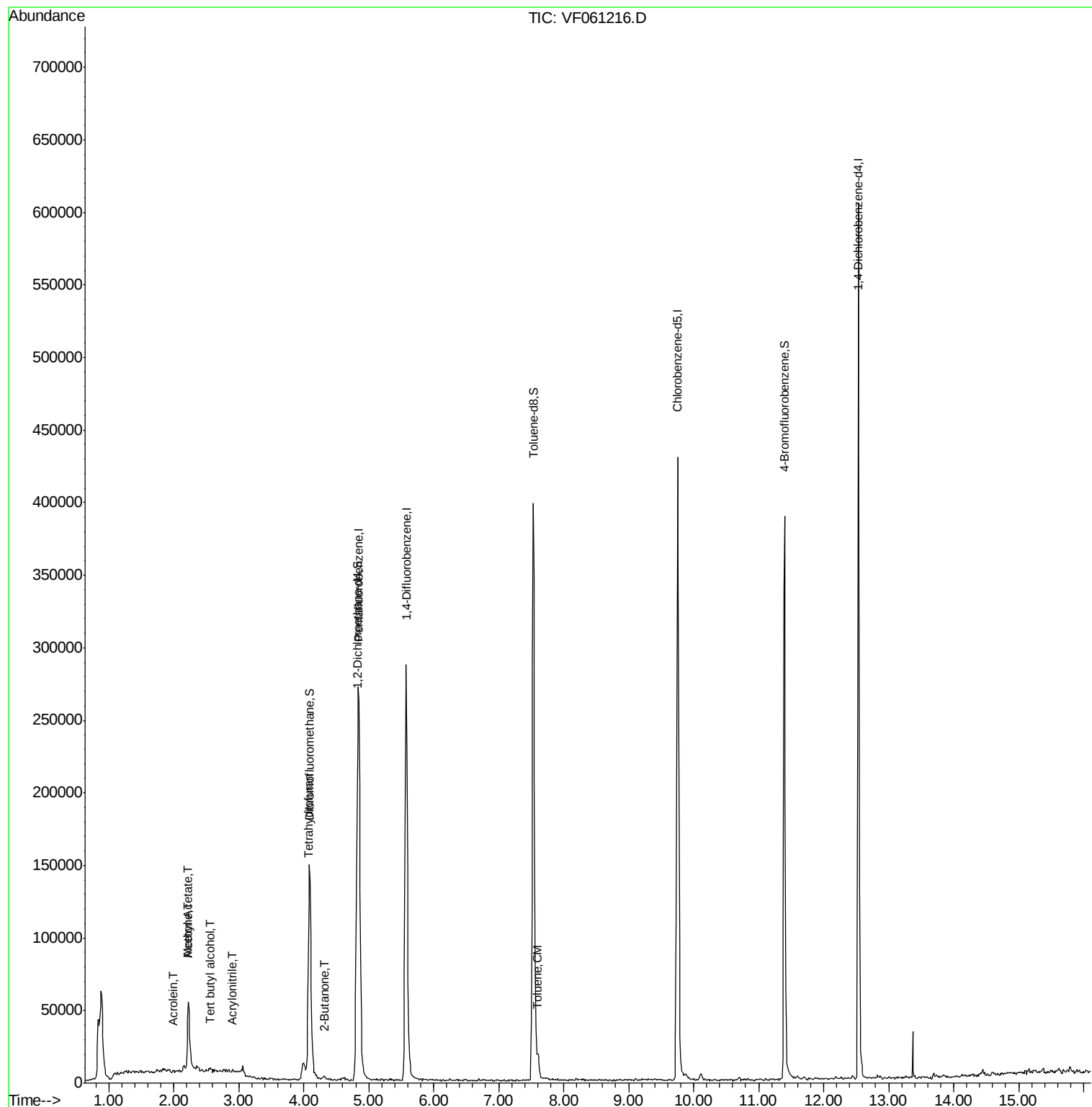
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.55	59	2397	24.871	ug/l #	36
13) Acrolein	2.00	56	481	6.907	ug/l	82
15) Acrylonitrile	2.90	53	367	1.647	ug/l	85
16) Acetone	2.22	43	97372	203.943	ug/l	97
18) Methyl Acetate	2.22	43	86410	87.478	ug/l #	66
20) Methylene Chloride	2.22	84	1173	Below Cal	#	61
25) 2-Butanone	4.32	43	5802	7.493	ug/l	97
29) Tetrahydrofuran	4.07	42	749	2.377	ug/l #	37
52) Toluene	7.60	92	8427	1.505	ug/l	97
78) n-propylbenzene	11.58	91	619	Below Cal	#	55
87) 1,3-Dichlorobenzene	12.45	146	170	Below Cal	#	37

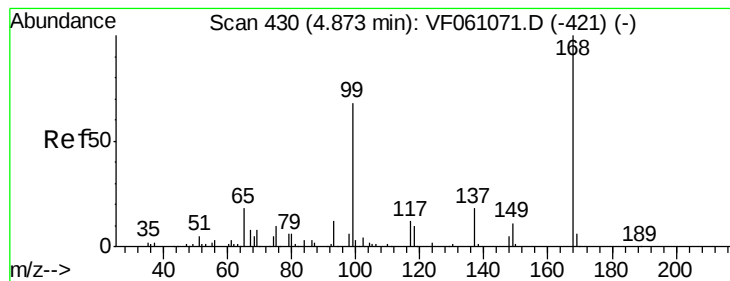
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF122718\
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061216.D

Acq: 27 Dec 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

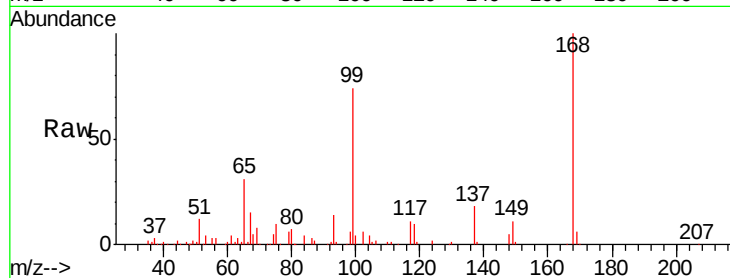
SSSI-1218-S-DH-9-B

Tgt Ion:168 Resp: 185690

Ion Ratio Lower Upper

168 100

99 73.5 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

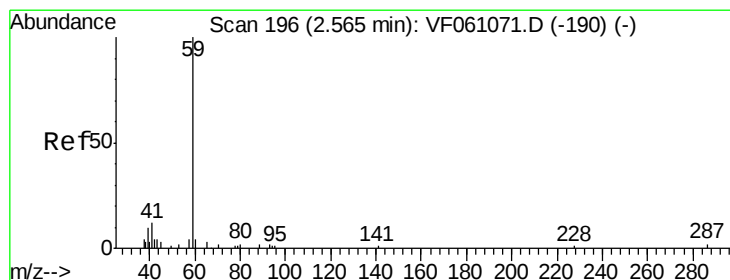
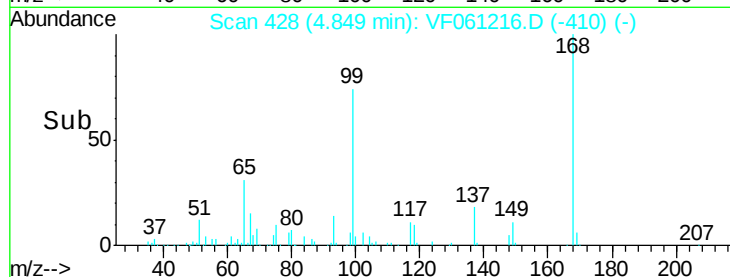
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 24.871 ug/l

RT: 2.55 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF061216.D

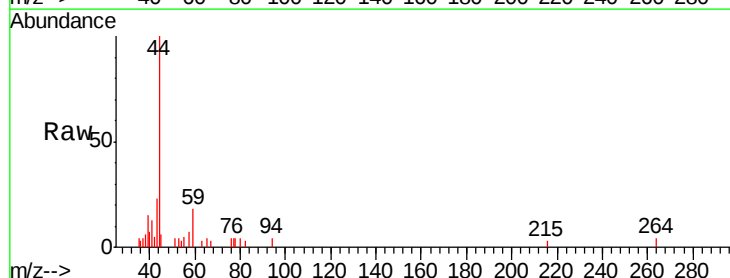
Acq: 27 Dec 2018 19:04

Tgt Ion: 59 Resp: 2397

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

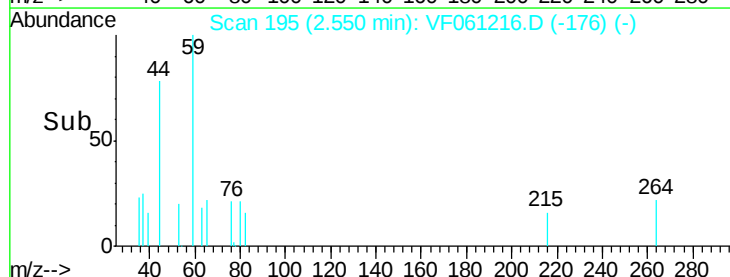
600

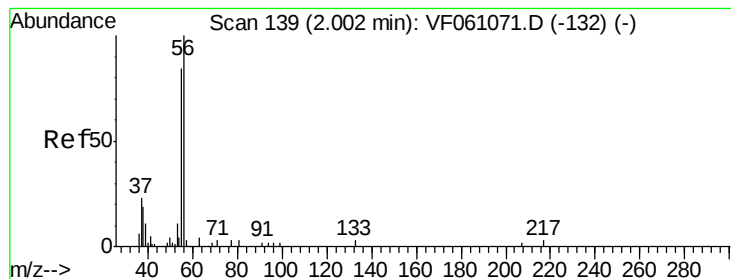
400

200

0

Time-->





#13

Acrolein

Concen: 6.907 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061216.D

Acq: 27 Dec 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

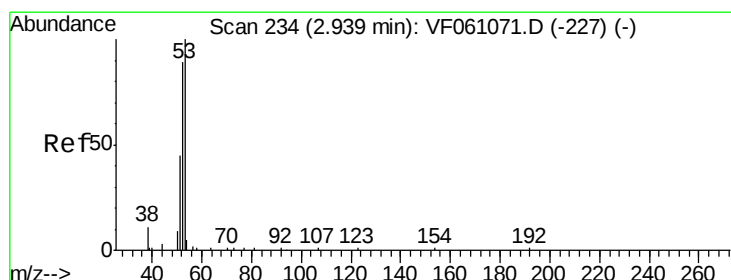
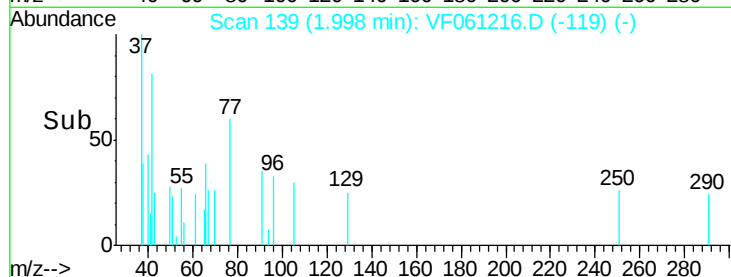
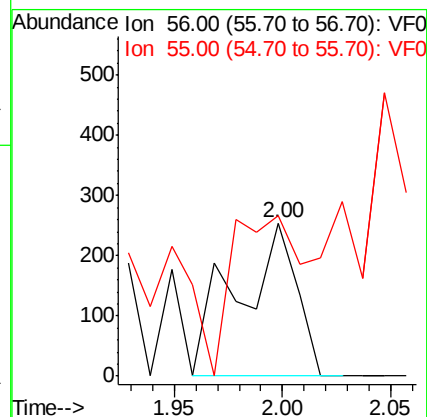
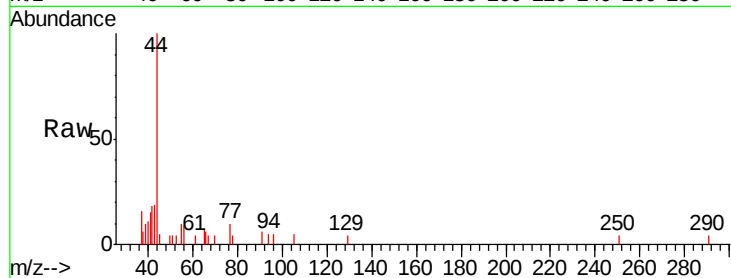
SSSI-1218-S-DH-9-B

Tgt Ion: 56 Resp: 481

Ion Ratio Lower Upper

56 100

55 104.7 70.2 105.2



#15

Acrylonitrile

Concen: 1.647 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.04 min

Lab File: VF061216.D

Acq: 27 Dec 2018 19:04

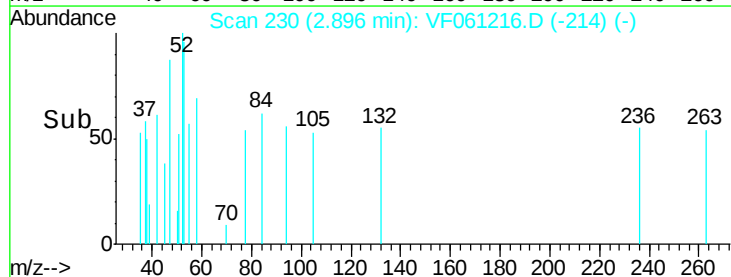
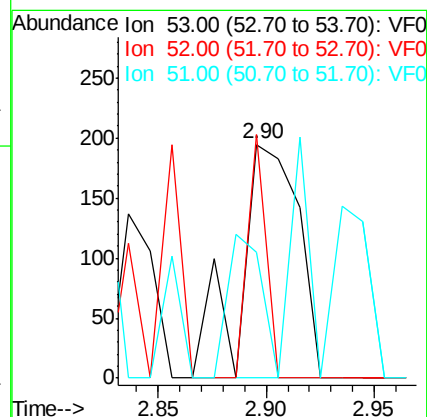
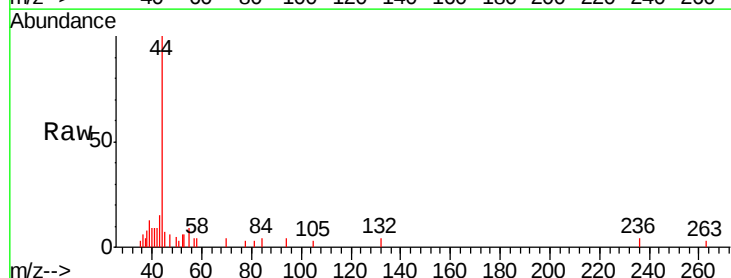
Tgt Ion: 53 Resp: 367

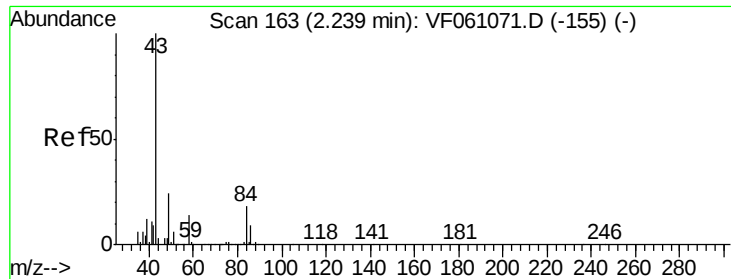
Ion Ratio Lower Upper

53 100

52 104.1 71.3 106.9

51 53.8 36.8 55.2

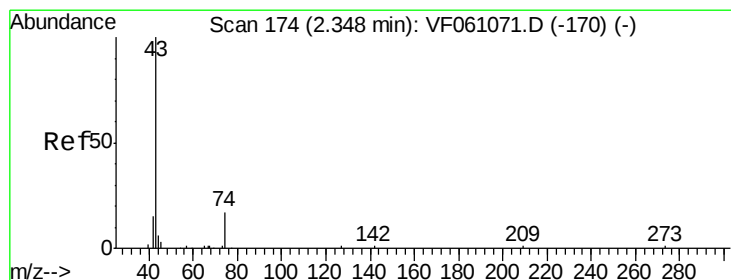
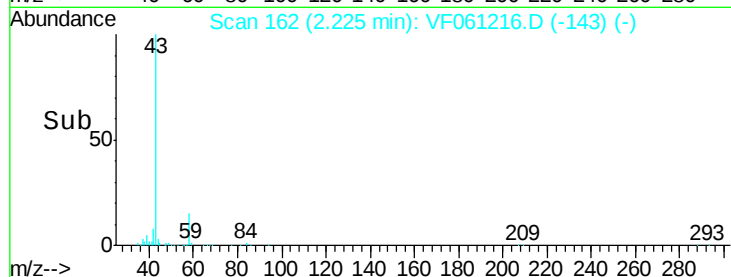
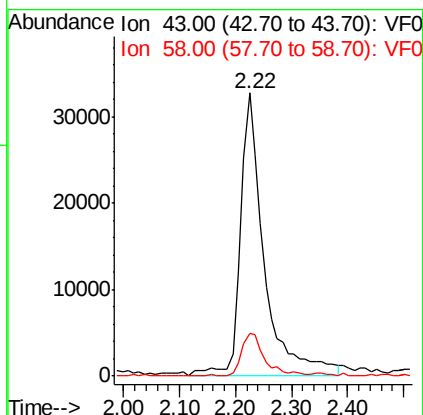
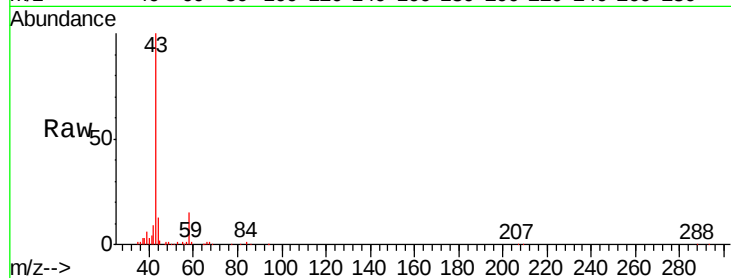




#16
Acetone
Concen: 203.943 ug/l
RT: 2.22 min Scan# 162
Delta R.T. -0.01 min
Lab File: VF061216.D
Acq: 27 Dec 2018 19:04

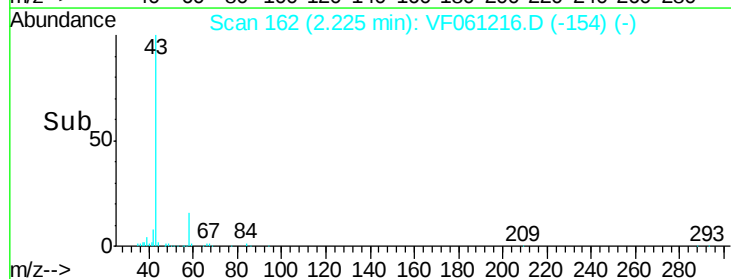
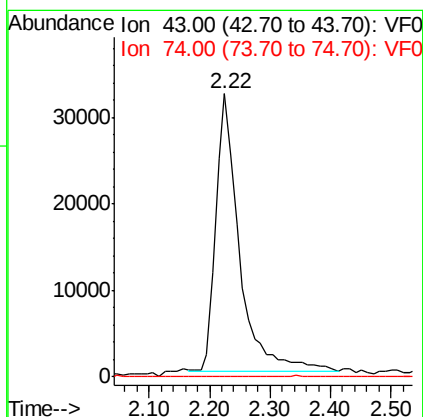
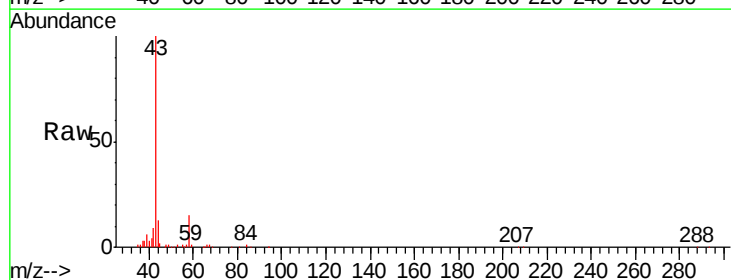
Instrument :
MSVOA_F
ClientSampleId :
SSSI-1218-S-DH-9-B

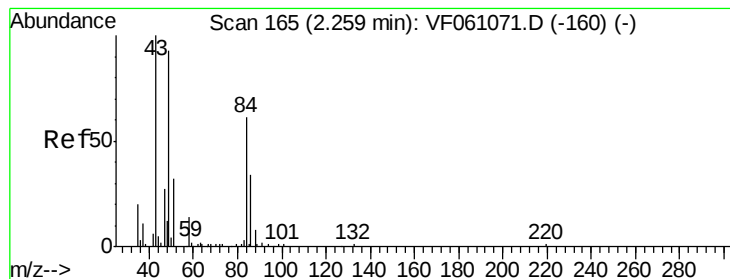
Tgt Ion: 43 Resp: 97372
Ion Ratio Lower Upper
43 100
58 15.3 11.1 16.7



#18
Methyl Acetate
Concen: 87.478 ug/l
RT: 2.22 min Scan# 162
Delta R.T. -0.12 min
Lab File: VF061216.D
Acq: 27 Dec 2018 19:04

Tgt Ion: 43 Resp: 86410
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.22 min Scan# 162

Delta R.T. -0.03 min

Lab File: VF061216.D

Acq: 27 Dec 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

SSSI-1218-S-DH-9-B

Tgt Ion: 84 Resp: 1173

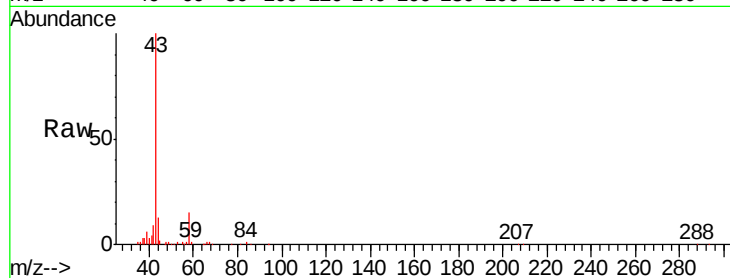
Ion Ratio Lower Upper

84 100

49 96.2 129.4 194.2#

51 37.2 44.0 66.0#

86 40.8 46.3 69.5#

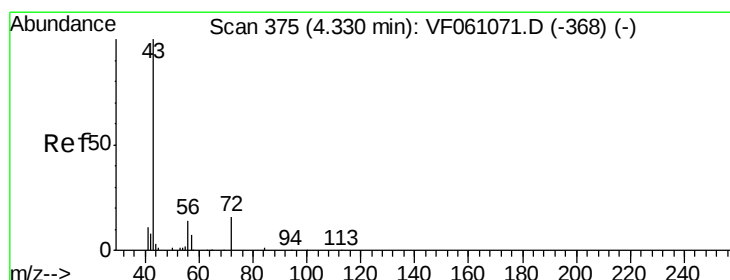
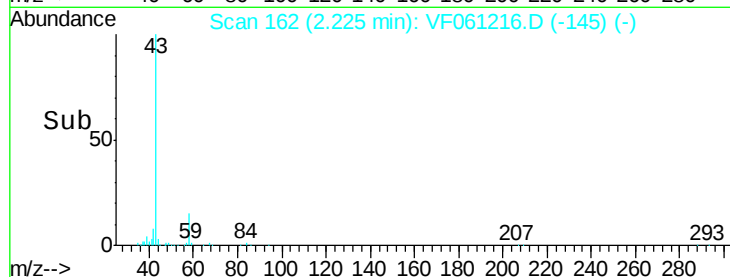
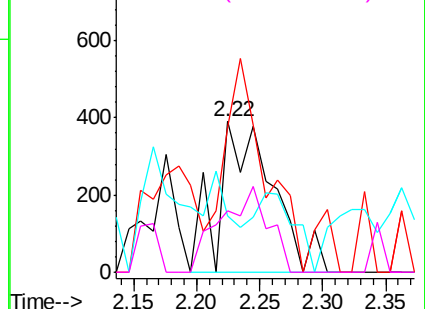


Abundance Ion 84.00 (83.70 to 84.70): VF0

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



#25

2-Butanone

Concen: 7.493 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061216.D

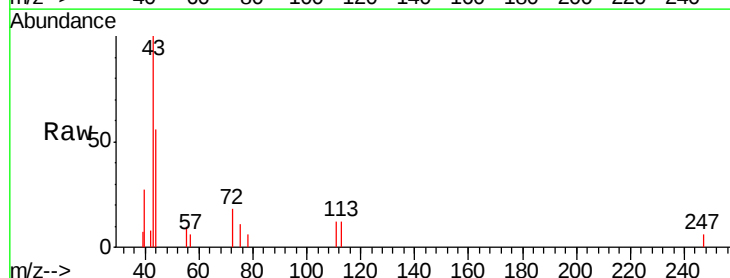
Acq: 27 Dec 2018 19:04

Tgt Ion: 43 Resp: 5802

Ion Ratio Lower Upper

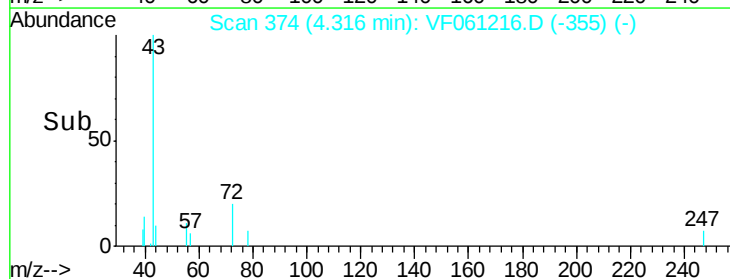
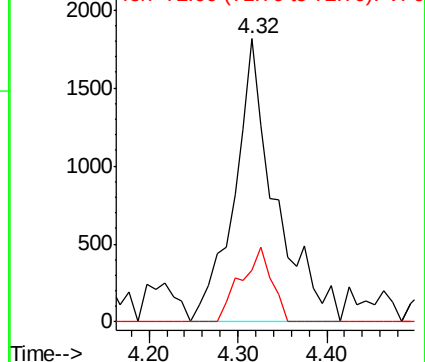
43 100

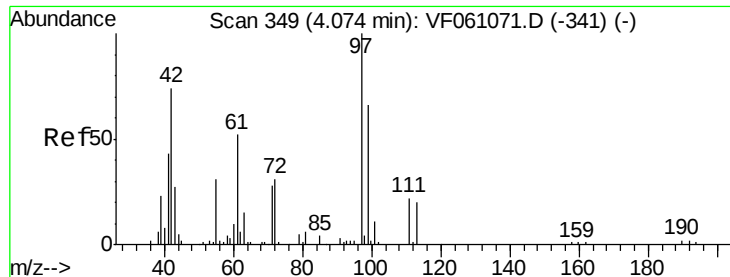
72 18.2 15.6 23.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 2.377 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061216.D

Acq: 27 Dec 2018 19:04

Instrument :

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ClientSampleId :

SSSI-1218-S-DH-9-B

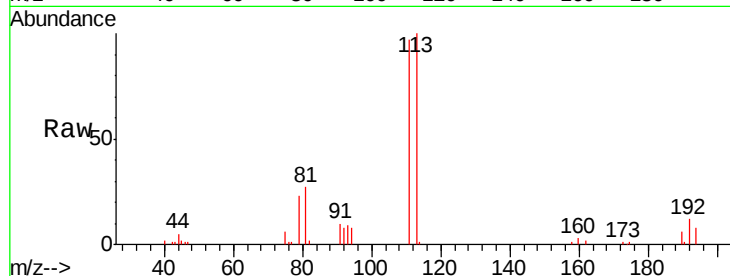
Tgt Ion: 42 Resp: 749

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

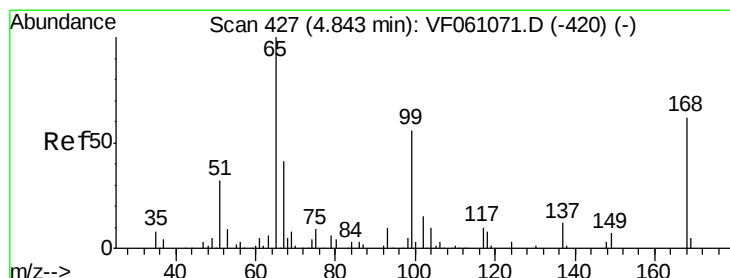
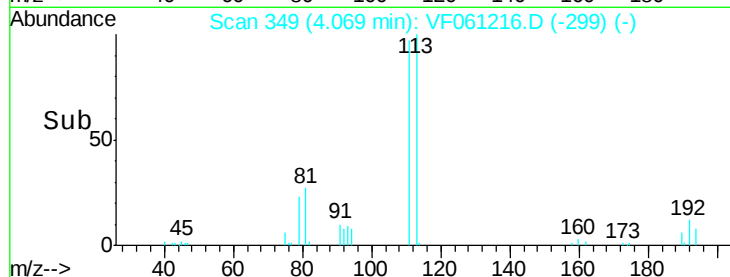
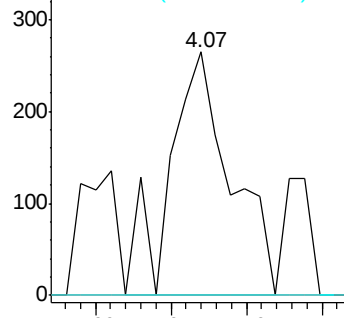
71 0.0 29.7 44.5#



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: 55.209 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061216.D

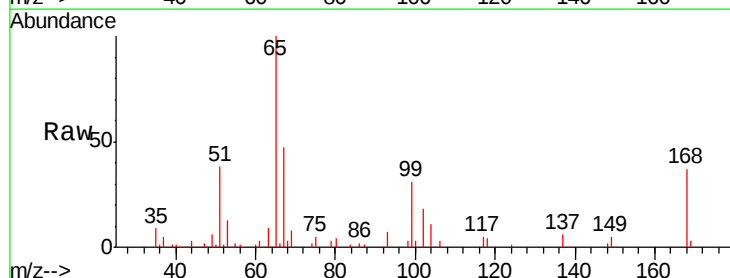
Acq: 27 Dec 2018 19:04

Tgt Ion: 65 Resp: 131856

Ion Ratio Lower Upper

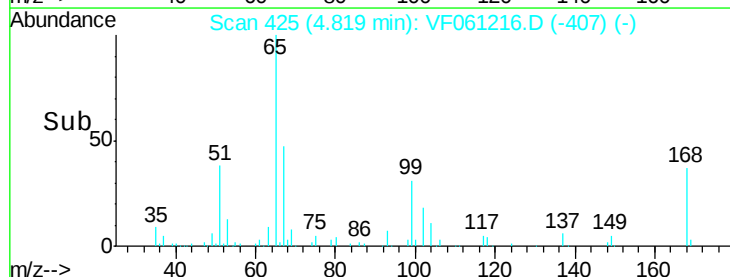
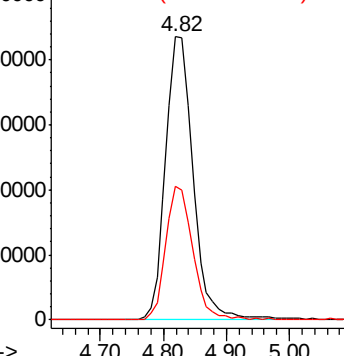
65 100

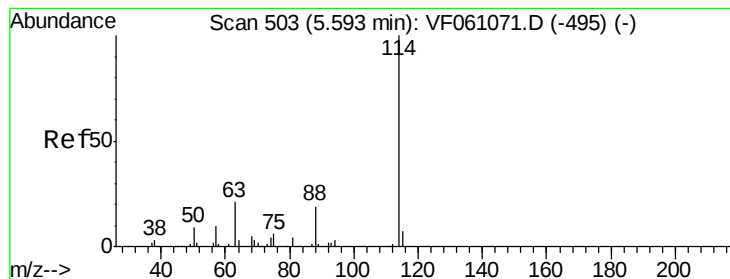
67 47.1 0.0 94.6



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: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061216.D

Acq: 27 Dec 2018 19:04

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ClientSampleId :

SSSI-1218-S-DH-9-B

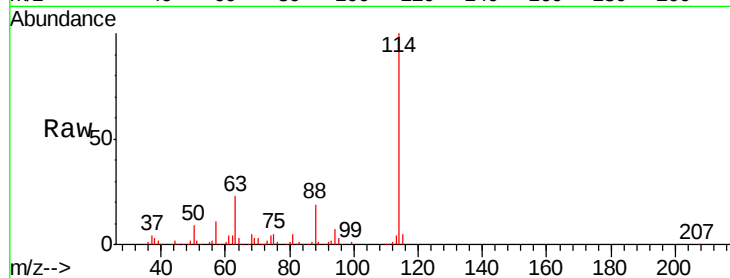
Tgt Ion:114 Resp: 325855

Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.6

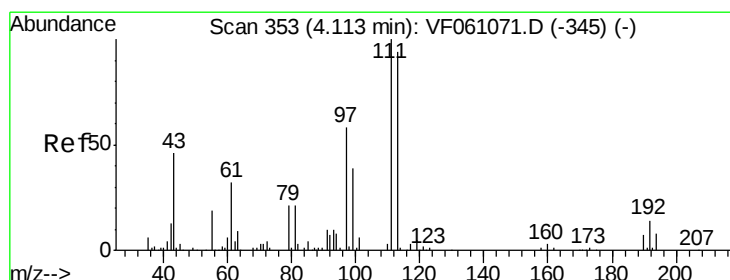
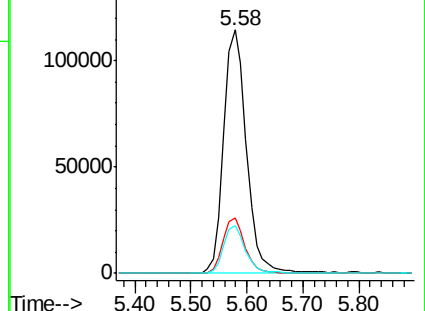
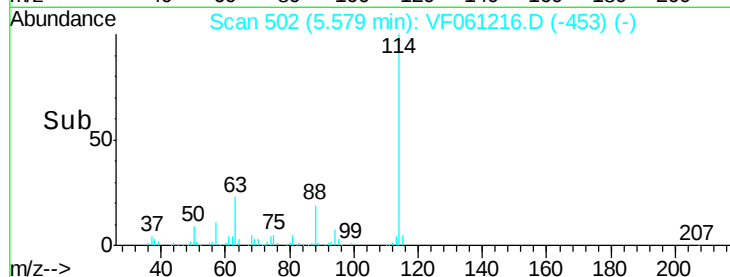
88 19.5 0.0 38.0



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: 53.425 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061216.D

Acq: 27 Dec 2018 19:04

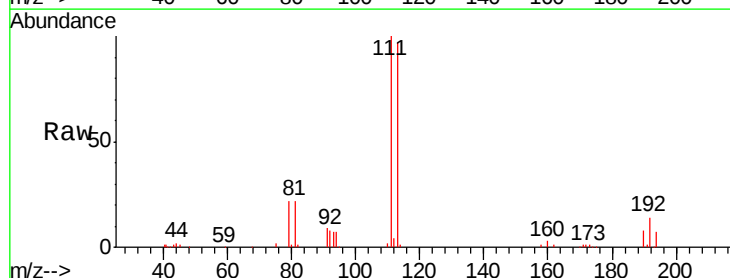
Tgt Ion:113 Resp: 139455

Ion Ratio Lower Upper

113 100

111 102.7 85.2 127.8

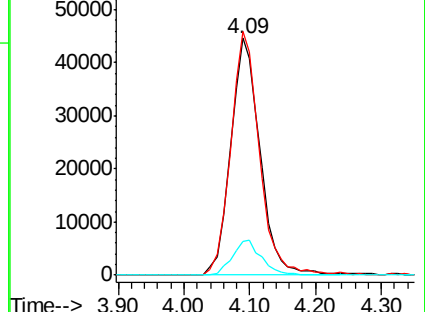
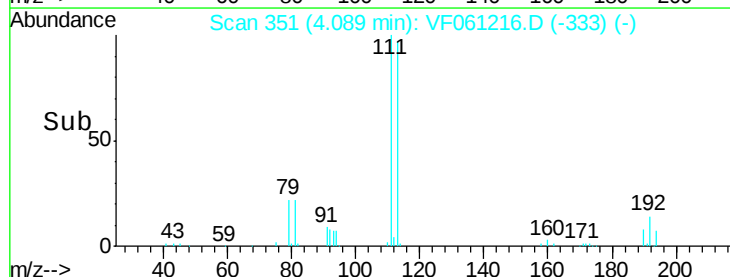
192 14.1 12.8 19.2

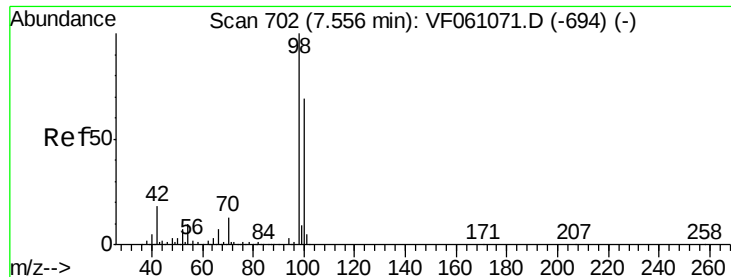


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 43.685 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061216.D

Acq: 27 Dec 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

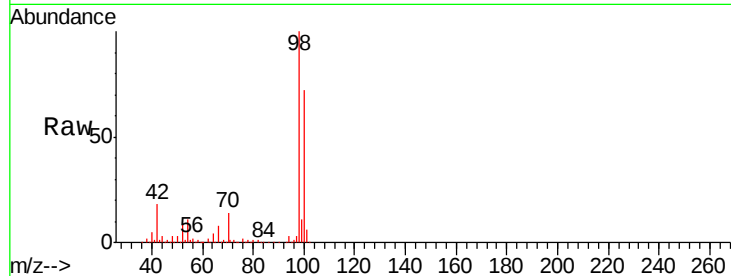
SSSI-1218-S-DH-9-B

Tgt Ion: 98 Resp: 323148

Ion Ratio Lower Upper

98 100

100 72.2 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.53

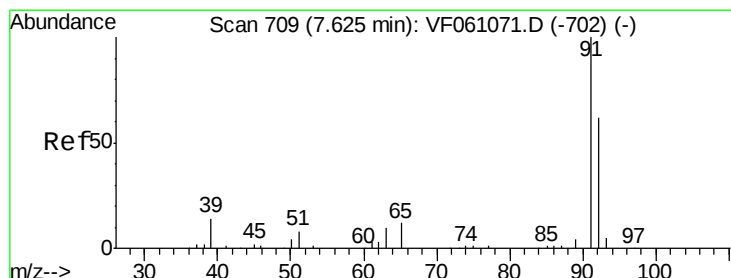
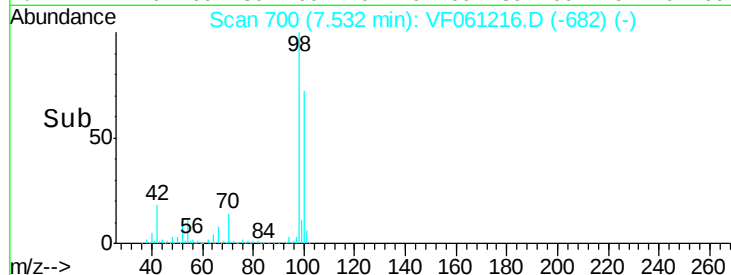
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 1.505 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061216.D

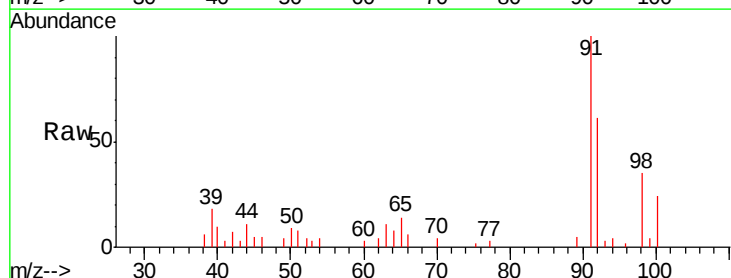
Acq: 27 Dec 2018 19:04

Tgt Ion: 92 Resp: 8427

Ion Ratio Lower Upper

92 100

91 165.1 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

6000

5000

4000

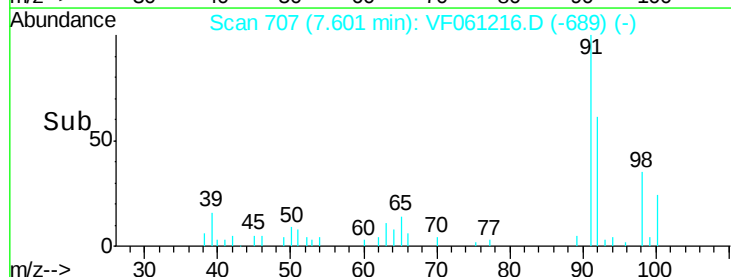
3000

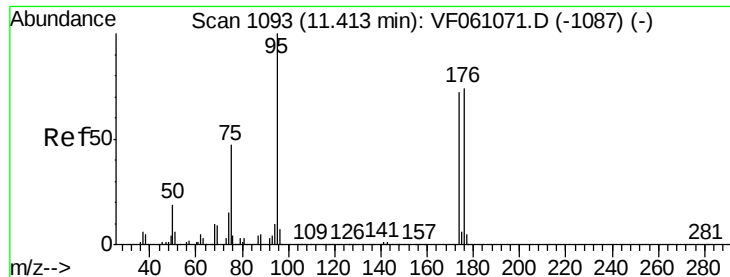
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 44.067 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061216.D

Acq: 27 Dec 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

SSSI-1218-S-DH-9-B

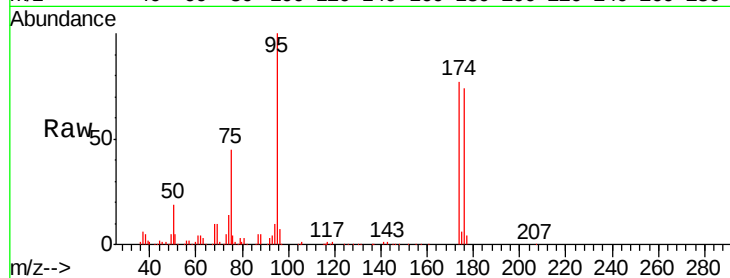
Tgt Ion: 95 Resp: 150277

Ion Ratio Lower Upper

95 100

174 77.5 0.0 143.8

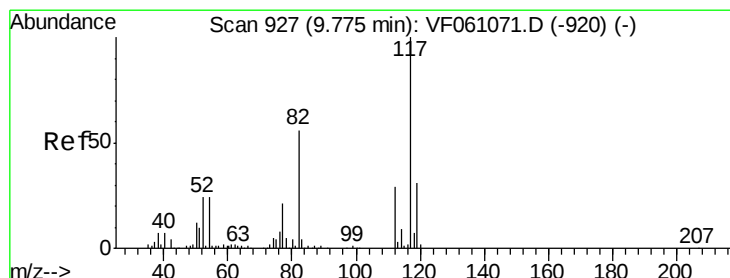
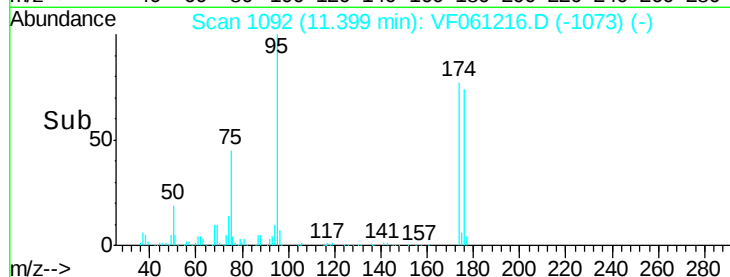
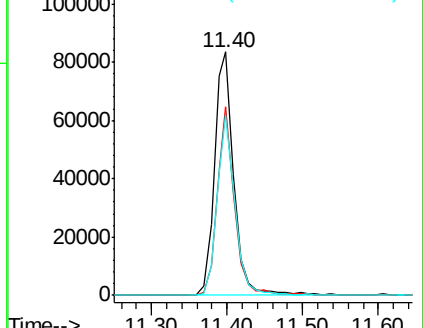
176 73.8 0.0 147.6



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: 9.75 min Scan# 925

Delta R.T. -0.02 min

Lab File: VF061216.D

Acq: 27 Dec 2018 19:04

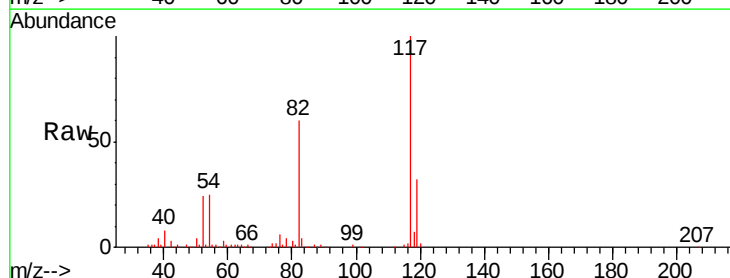
Tgt Ion: 117 Resp: 304495

Ion Ratio Lower Upper

117 100

82 59.5 45.0 67.4

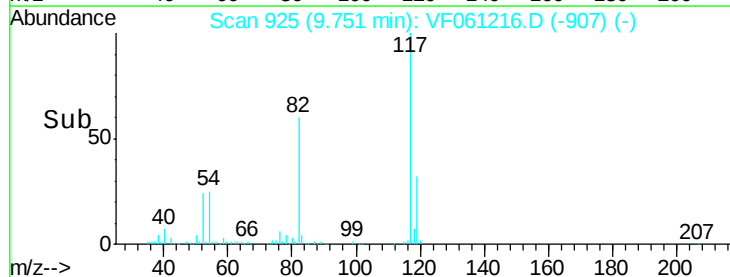
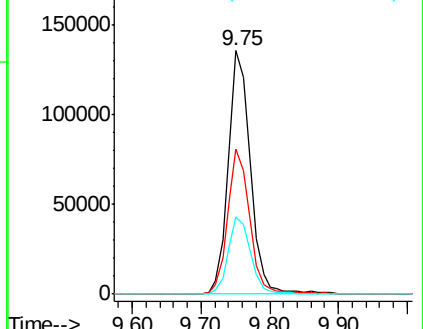
119 31.8 24.8 37.2

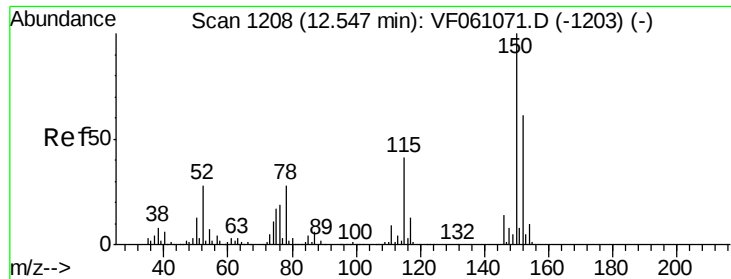


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



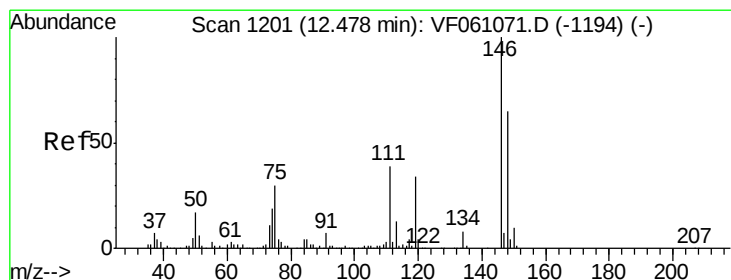
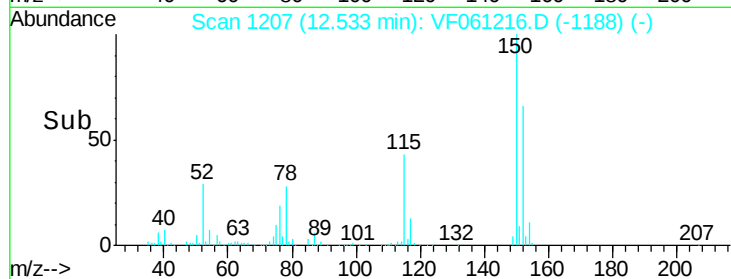
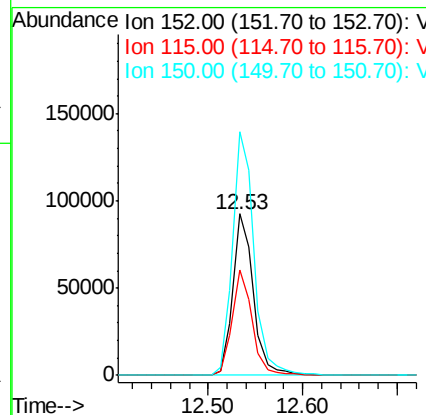
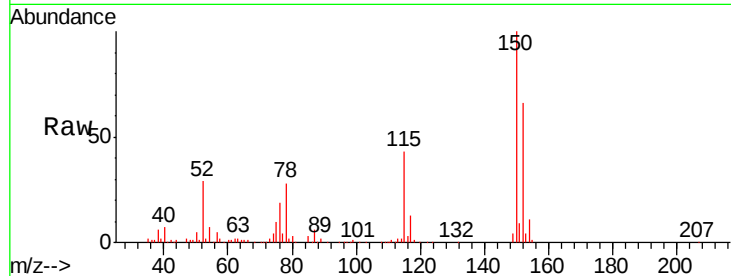


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061216.D
Acq: 27 Dec 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
SSSI-1218-S-DH-9-B

Tgt Ion:152 Resp: 139735
Ion Ratio Lower Upper
152 100
115 65.6 33.3 99.9
150 151.2 0.0 328.2



#87

1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.45 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VF061216.D
Acq: 27 Dec 2018 19:04

Tgt Ion:146 Resp: 170
Ion Ratio Lower Upper
146 100
111 56.8 19.3 57.9
148 0.0 32.4 97.2#

