

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\
 Data File : VF061228.D
 Acq On : 28 Dec 2018 11:29
 Operator : VA/AP
 Sample : J6498-01RE
 Misc : 6.22g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jan 02 12:56:05 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

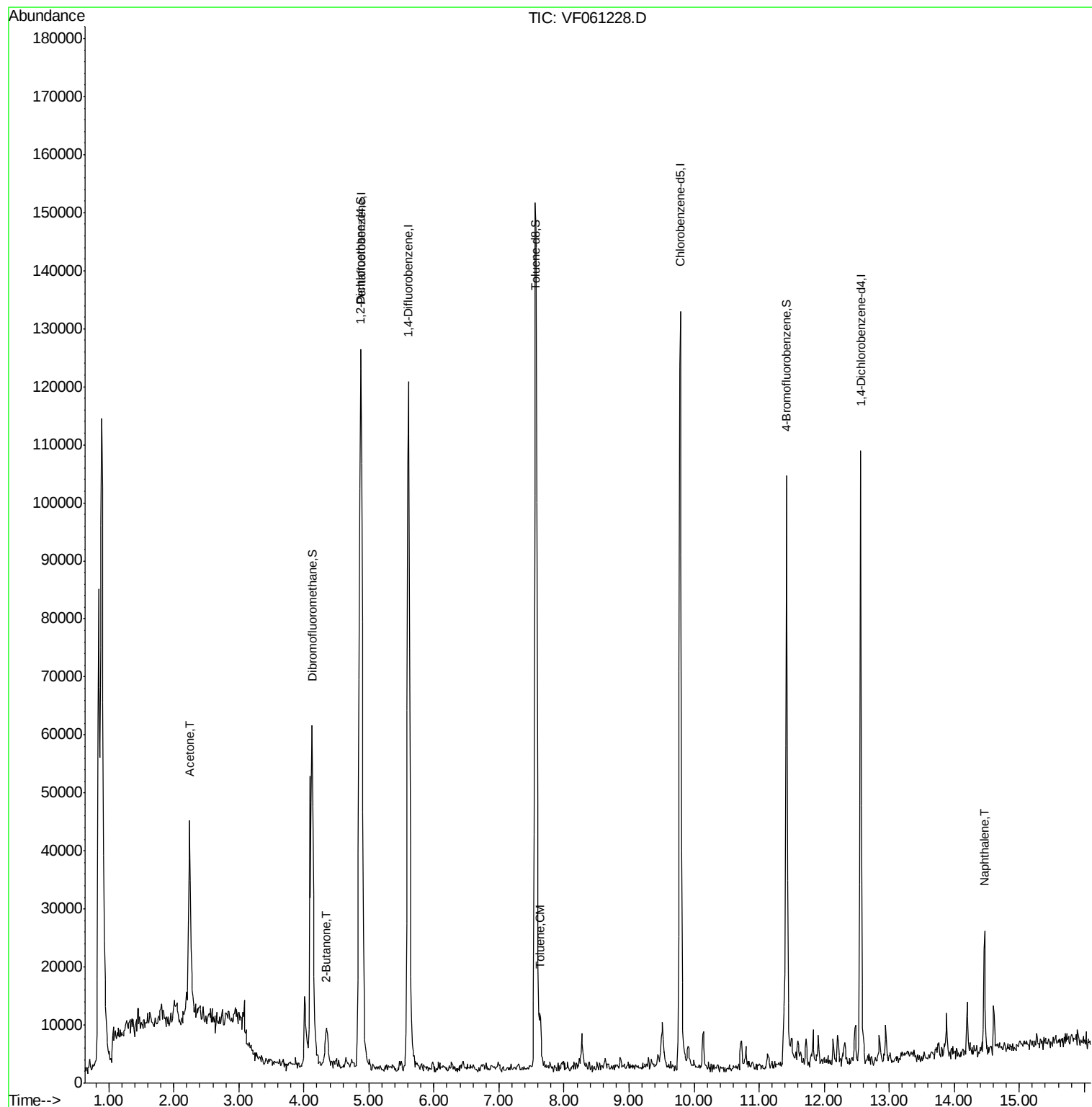
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	93162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	139142	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	96076	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	27126	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	46751	39.02	ug/l	0.01
Spiked Amount 50.000			Recovery	=	78.04%	
35) Dibromofluoromethane	4.13	113	57027	51.16	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.32%	
50) Toluene-d8	7.56	98	132492	41.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.90%	
62) 4-Bromofluorobenzene	11.42	95	39962	27.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	54.88%	
Target Compounds						
16) Acetone	2.24	43	58308	243.419	ug/l #	89
25) 2-Butanone	4.35	43	16832	43.327	ug/l	98
52) Toluene	7.64	92	3906	1.634	ug/l	96
95) Naphthalene	14.47	128	14487	12.435	ug/l	97

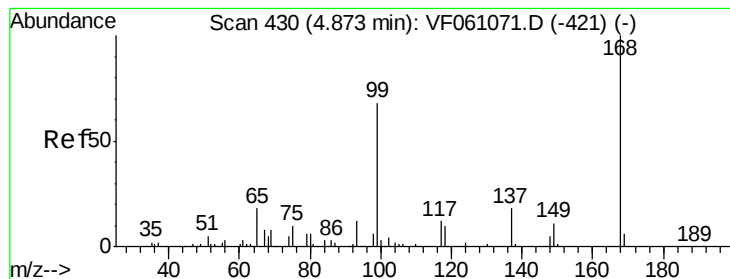
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF122818\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

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Instrument :

MSVOA_F

ClientSampleId :

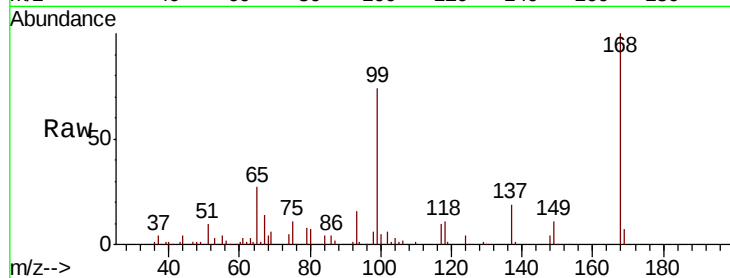
SSSI-1218-S-DH-9-TRE

Tot Ion:168 Resp: 93162

Ion Ratio Lower Upper

168 100

99 74.0 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

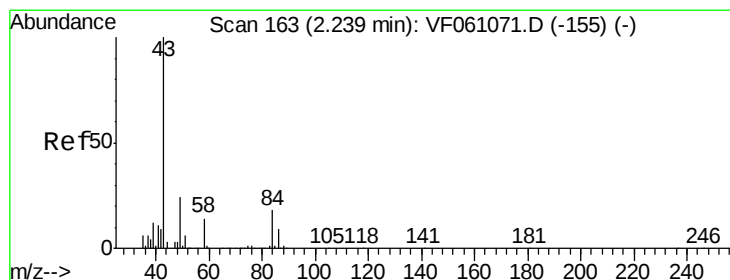
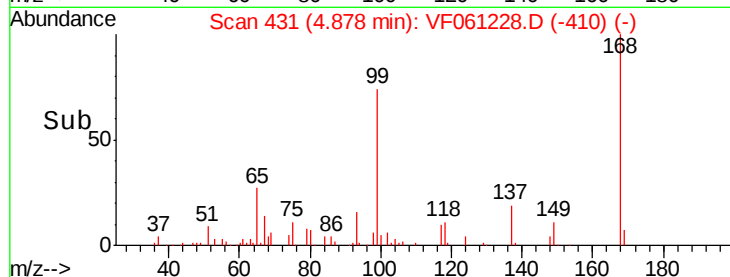
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00



#16

Acetone

Concen: 243.419 ug/l

RT: 2.24 min Scan# 164

Delta R.T. 0.00 min

Lab File: VF061228.D

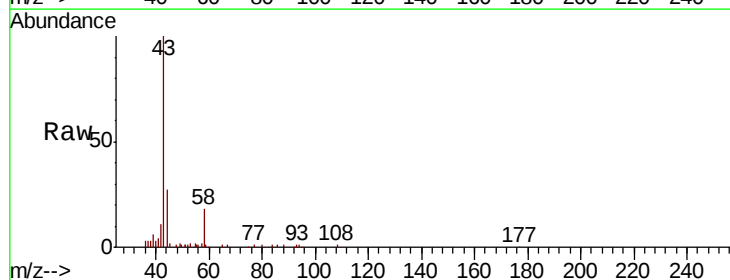
Acq: 28 Dec 2018 11:29

Tgt Ion: 43 Resp: 58308

Ion Ratio Lower Upper

43 100

58 18.2 11.1 16.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

25000

20000

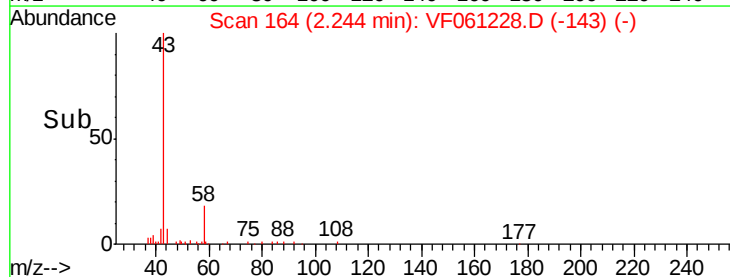
15000

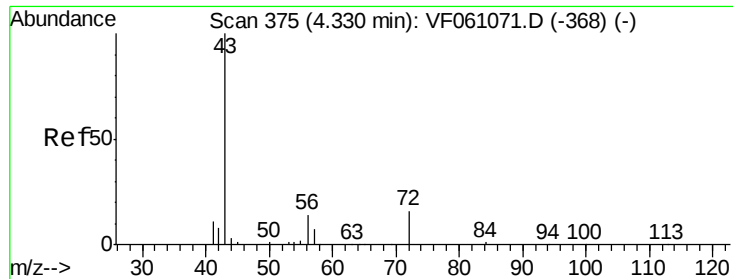
10000

5000

0

Time--> 2.10 2.20 2.30 2.40





#25

2-Butanone

Concen: 43.327 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061228.D

Acq: 28 Dec 2018 11:29

Instrument :

MSVOA_F

ClientSampleId :

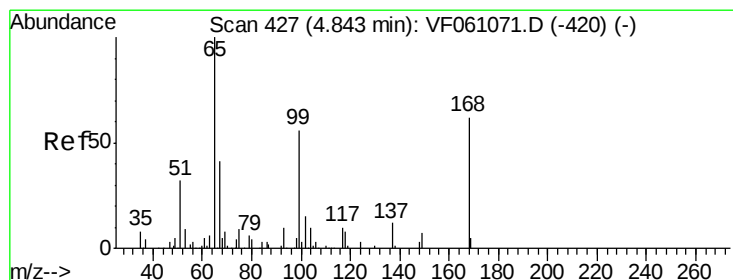
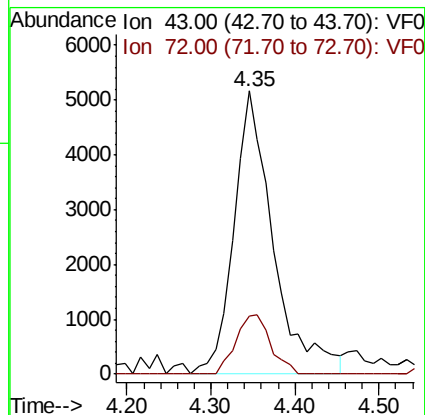
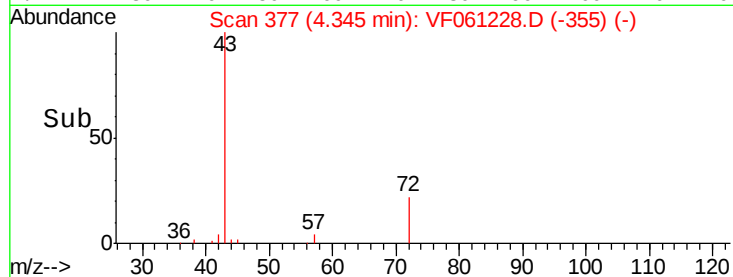
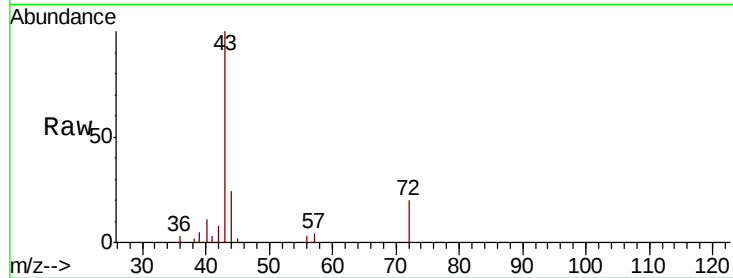
SSSI-1218-S-DH-9-TRE

Tot Ion: 43 Resp: 16832

Ion Ratio Lower Upper

43 100

72 20.4 15.6 23.4



#33

1,2-Dichloroethane-d4

Concen: 39.017 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.01 min

Lab File: VF061228.D

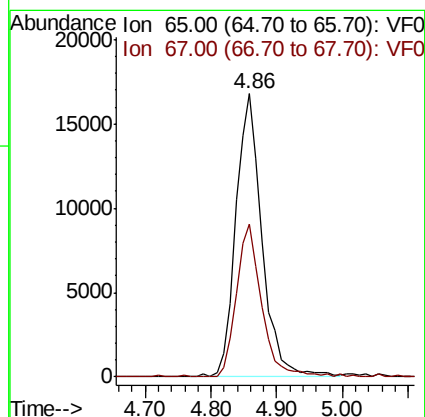
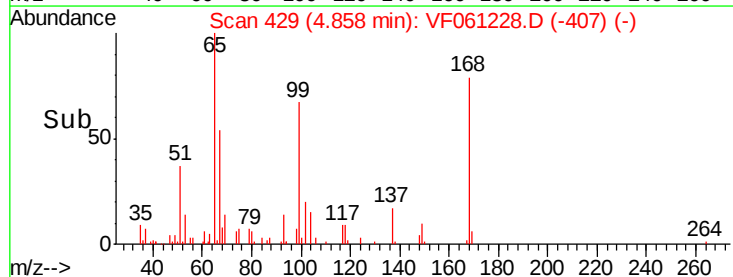
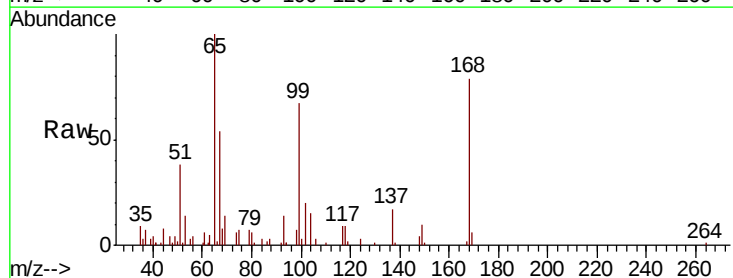
Acq: 28 Dec 2018 11:29

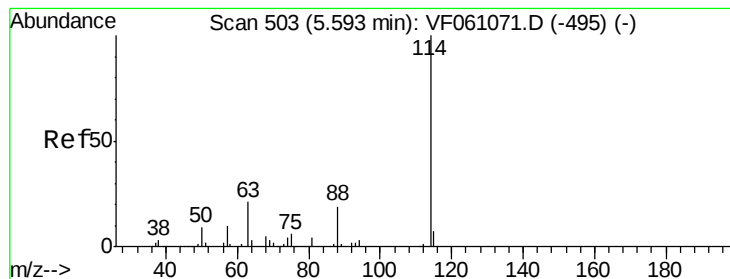
Tgt Ion: 65 Resp: 46751

Ion Ratio Lower Upper

65 100

67 53.9 0.0 94.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF061228.D

Acq: 28 Dec 2018 11:29

Instrument :

MSVOA_F

ClientSampleId :

SSSI-1218-S-DH-9-TRE

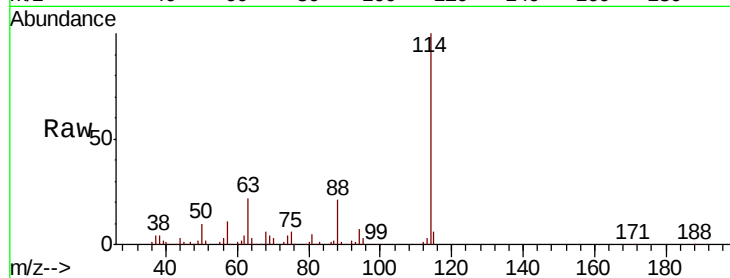
Tot Ion:114 Resp: 139142

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.6

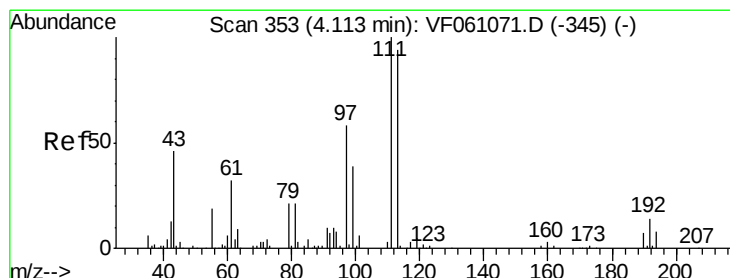
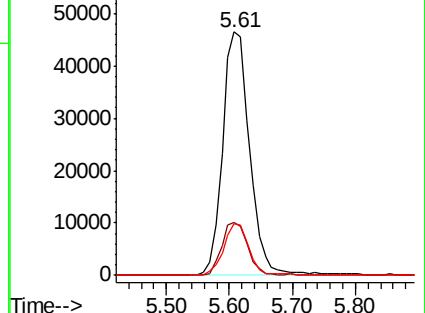
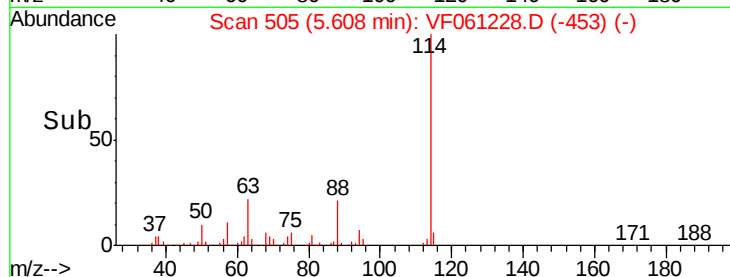
88 21.3 0.0 38.0



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: 51.163 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF061228.D

Acq: 28 Dec 2018 11:29

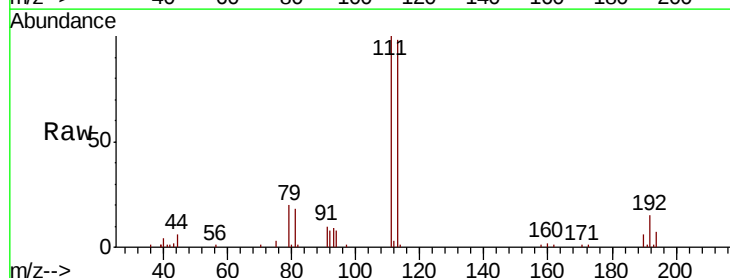
Tgt Ion:113 Resp: 57027

Ion Ratio Lower Upper

113 100

111 102.2 85.2 127.8

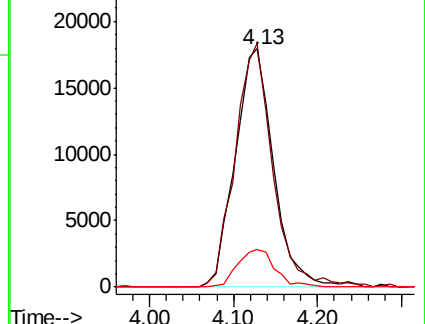
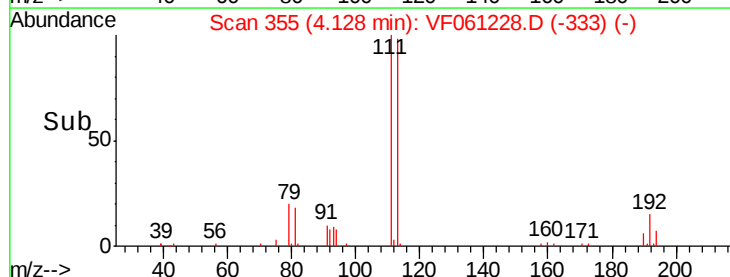
192 15.8 12.8 19.2

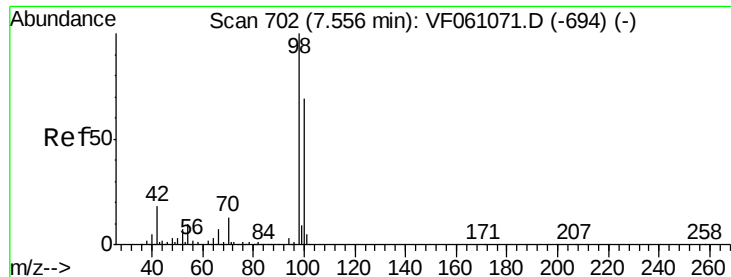


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 41.946 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF061228.D

Acq: 28 Dec 2018 11:29

Instrument :

MSVOA_F

ClientSampleId :

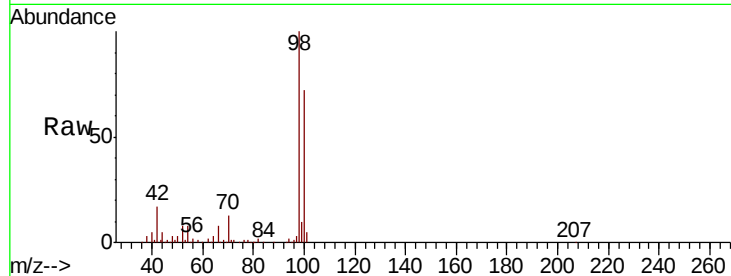
SSSI-1218-S-DH-9-TRE

Tot Ion: 98 Resp: 132492

Ion Ratio Lower Upper

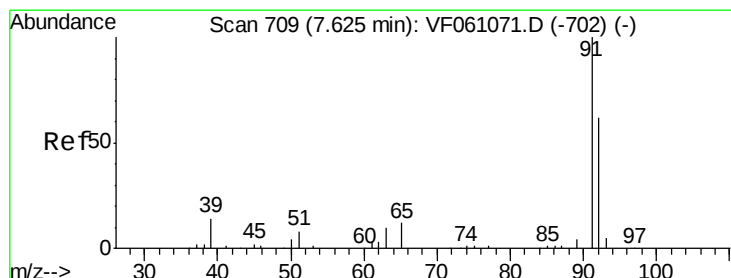
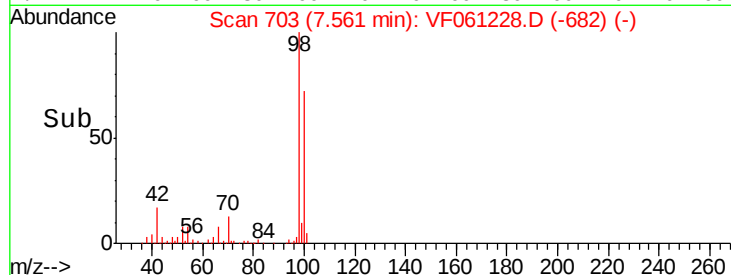
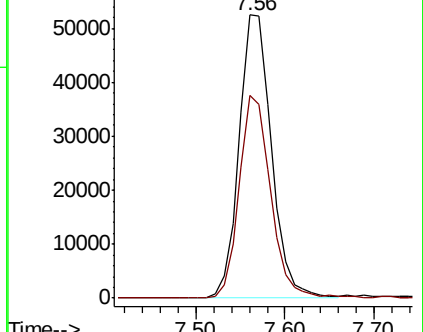
98 100

100 71.6 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#52

Toluene

Concen: 1.634 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.01 min

Lab File: VF061228.D

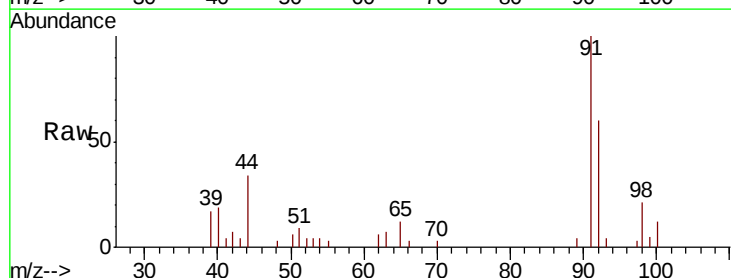
Acq: 28 Dec 2018 11:29

Tgt Ion: 92 Resp: 3906

Ion Ratio Lower Upper

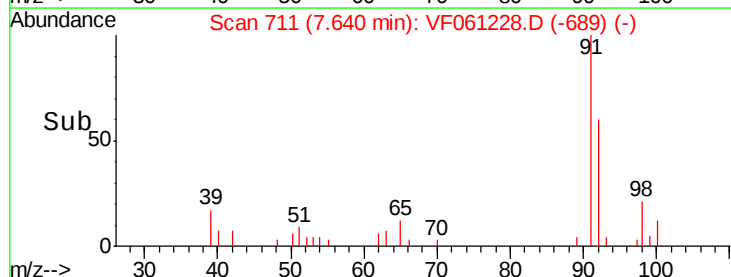
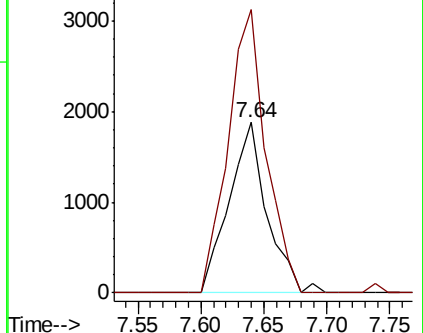
92 100

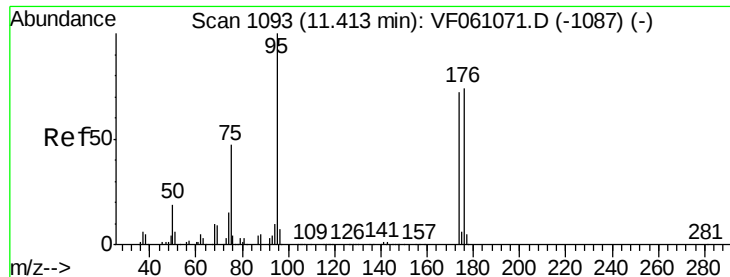
91 166.2 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#62

4-Bromofluorobenzene

Concen: 27.443 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061228.D

Acq: 28 Dec 2018 11:29

Instrument :

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ClientSampleId :

SSSI-1218-S-DH-9-TRE

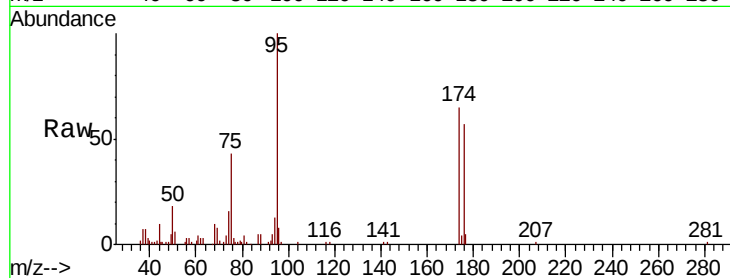
Tot Ion: 95 Resp: 39962

Ion Ratio Lower Upper

95 100

174 64.7 0.0 143.8

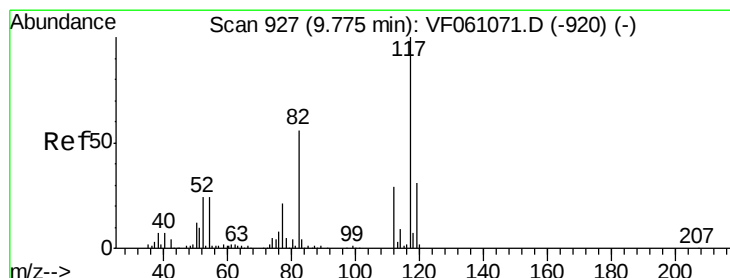
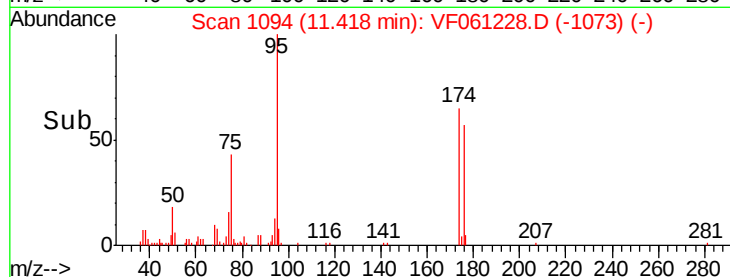
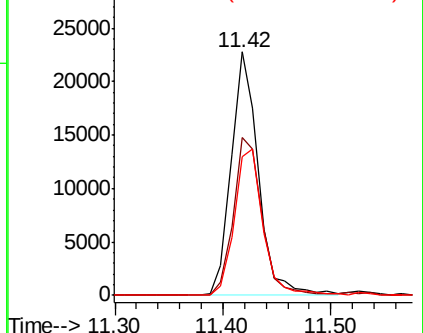
176 57.2 0.0 147.6



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: 9.79 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF061228.D

Acq: 28 Dec 2018 11:29

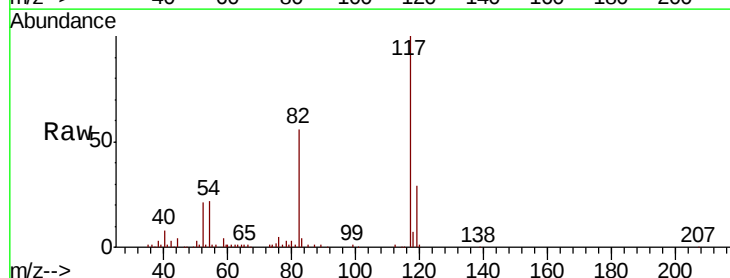
Tgt Ion: 117 Resp: 96076

Ion Ratio Lower Upper

117 100

82 55.8 45.0 67.4

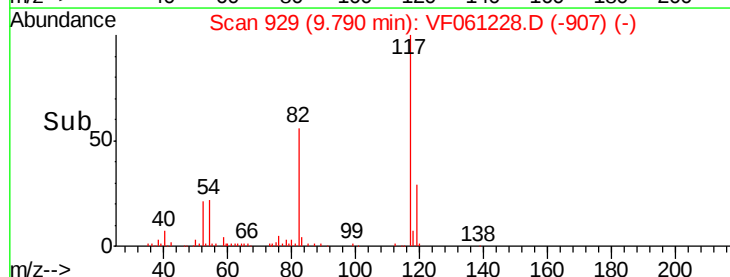
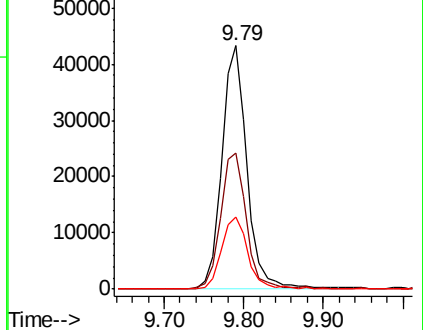
119 29.5 24.8 37.2

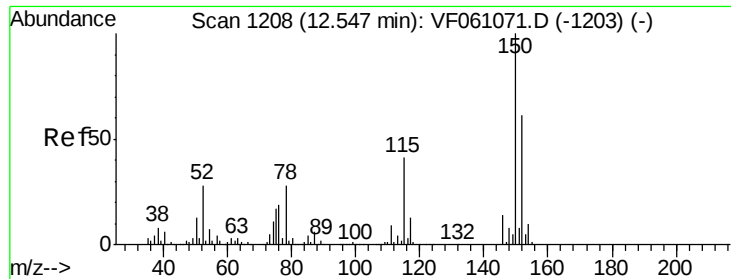


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



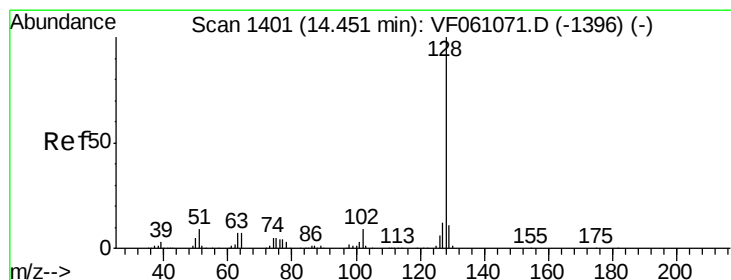
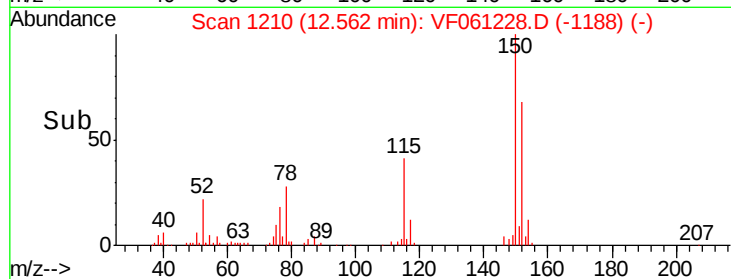
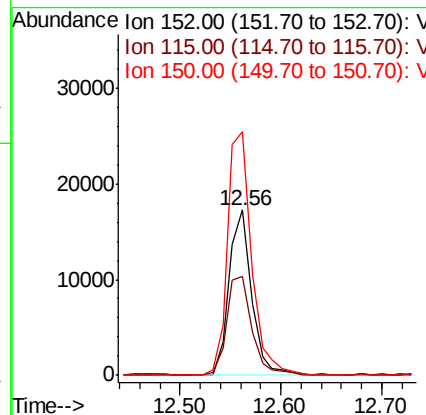
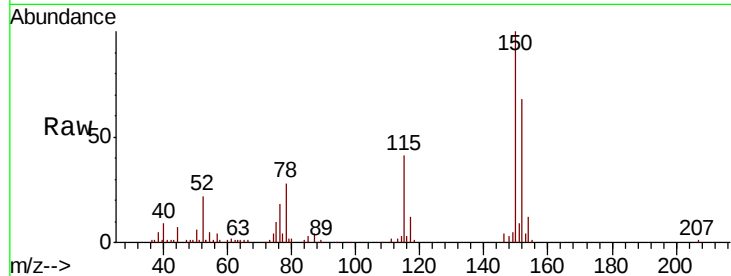


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF061228.D
Acq: 28 Dec 2018 11:29

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Tot Ion:152 Resp: 27126
Ion Ratio Lower Upper
152 100
115 60.2 33.3 99.9
150 147.3 0.0 328.2



#95

Naphthalene
Concen: 12.435 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VF061228.D
Acq: 28 Dec 2018 11:29

Tgt Ion:128 Resp: 14487
Ion Ratio Lower Upper
128 100
127 12.0 9.4 14.2
129 8.9 8.8 13.2

