

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
 Data File : VF059188.D
 Acq On : 18 Jun 2018 21:02
 Operator : VA/AP
 Sample : J3538-07
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SS-T-5-STONE

Quant Time: Jun 19 02:58:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	263394	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	424776	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	370264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	215808	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	174843	54.73	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	109.46%	
35) Dibromofluoromethane	4.28	113	159945	53.66	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	107.32%	
50) Toluene-d8	7.70	98	385028	43.97	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.94%	
62) 4-Bromofluorobenzene	11.50	95	188386	41.95	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	83.90%	

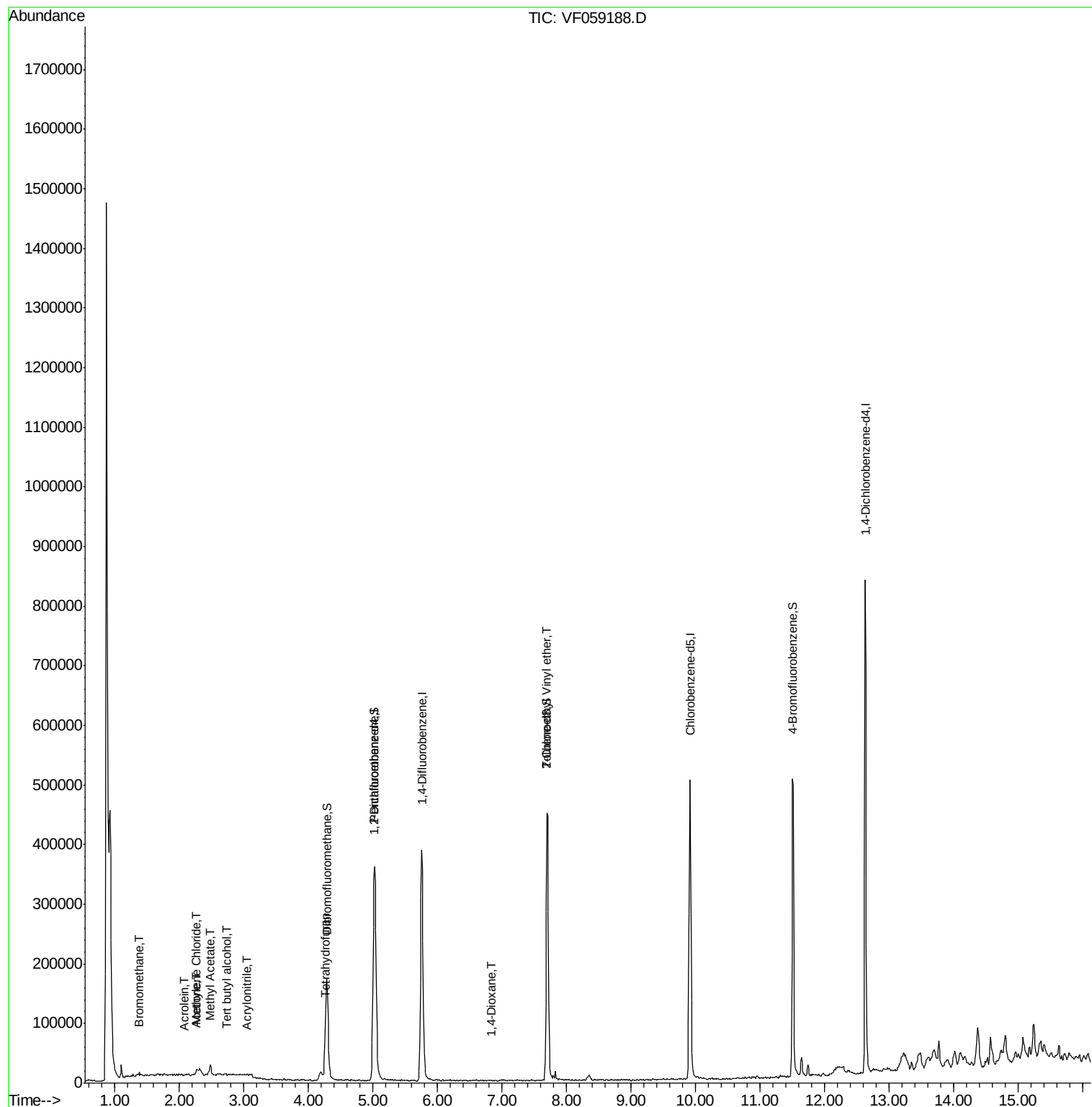
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.37	94	1732	1.427	ug/l #	37
11) Tert butyl alcohol	2.72	59	406	1.984	ug/l #	16
13) Acrolein	2.07	56	269	1.518	ug/l #	56
15) Acrylonitrile	3.05	53	966	2.376	ug/l #	53
16) Acetone	2.24	43	2462	3.228	ug/l	92
18) Methyl Acetate	2.48	43	10064	7.676	ug/l #	66
20) Methylene Chloride	2.27	84	3738	2.047	ug/l #	83
29) Tetrahydrofuran	4.25	42	1505	2.889	ug/l #	61
49) 1,4-Dioxane	6.84	88	84	17.976	ug/l #	24
58) 2-Chloroethyl Vinyl ether	7.71	63	477	2.122	ug/l	100
89) n-Butylbenzene	12.92	91	916	Below Cal		71

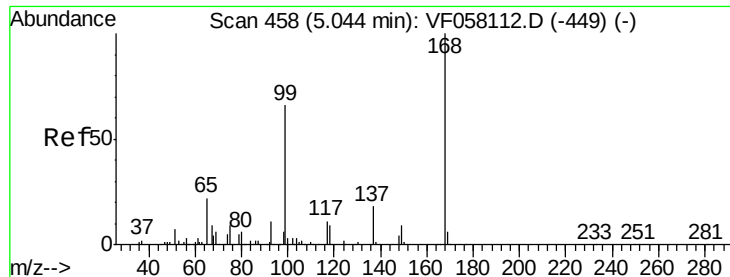
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059188.D

Acq: 18 Jun 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

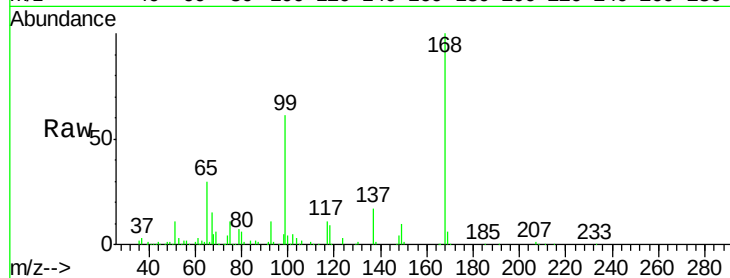
SS-T-5-STONE

Tgt Ion:168 Resp: 263394

Ion Ratio Lower Upper

168 100

99 61.3 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

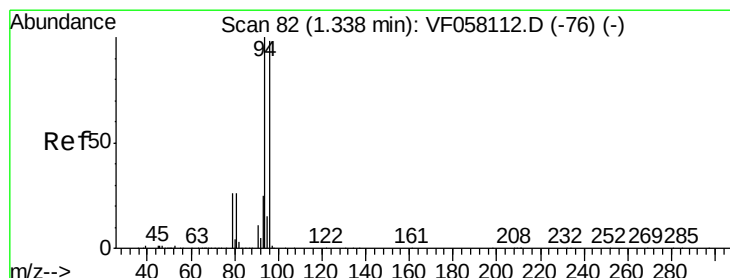
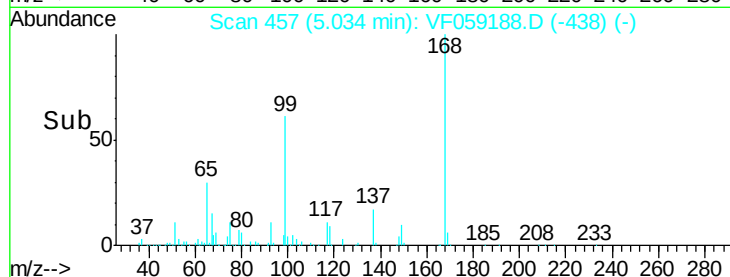
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 1.427 ug/l

RT: 1.37 min Scan# 85

Delta R.T. 0.03 min

Lab File: VF059188.D

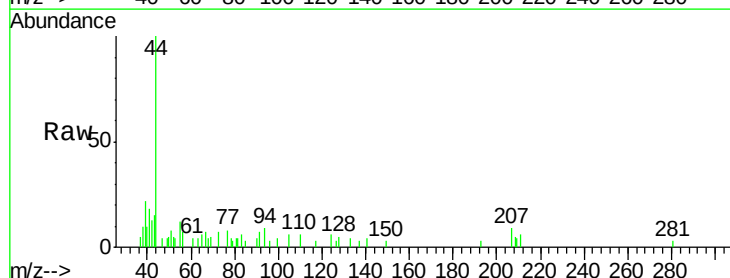
Acq: 18 Jun 2018 21:02

Tgt Ion: 94 Resp: 1732

Ion Ratio Lower Upper

94 100

96 36.3 78.6 117.8#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.37

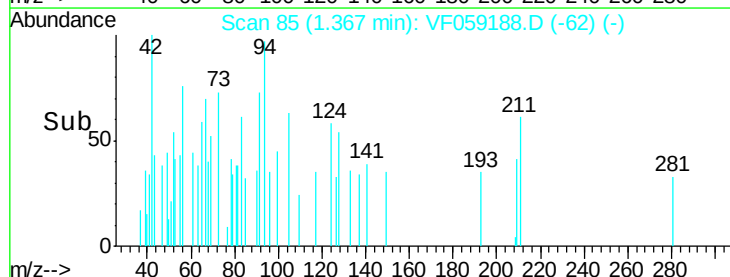
300

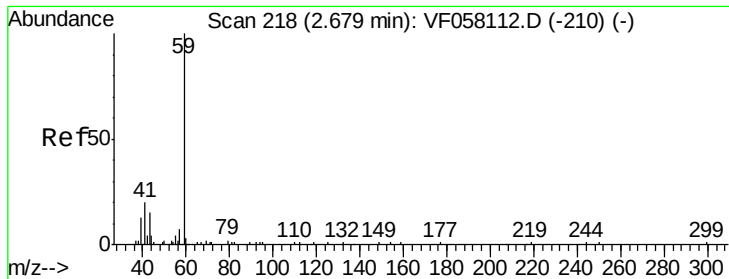
200

100

0

Time-->



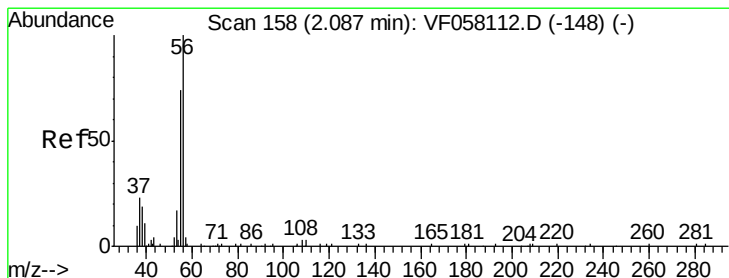
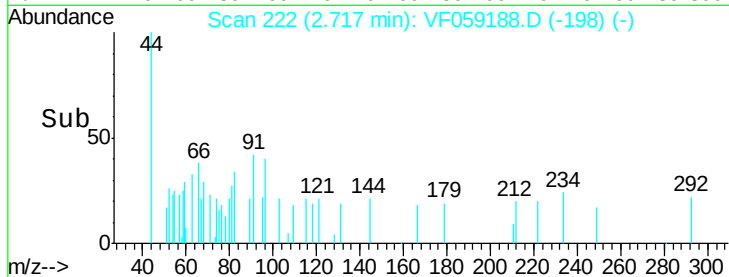
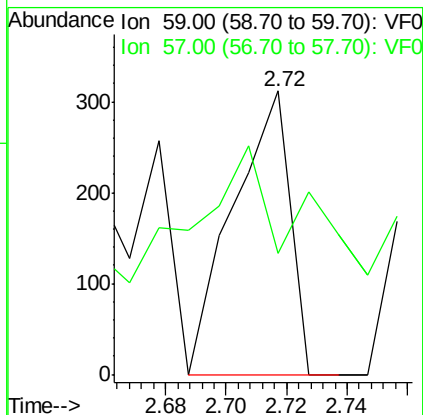
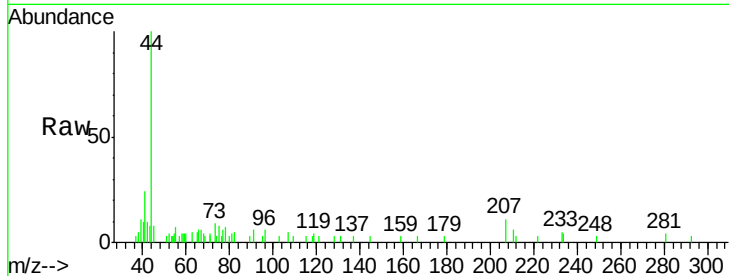


#11

Tert butyl alcohol
Concen: 1.984 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.04 min
Lab File: VF059188.D
Acq: 18 Jun 2018 21:02

Instrument :
MSVOA_F
ClientSampleId :
SS-T-5-STONE

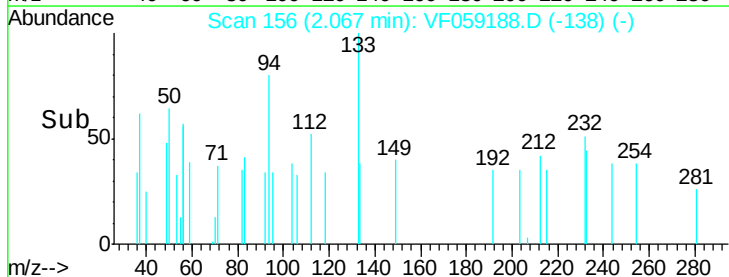
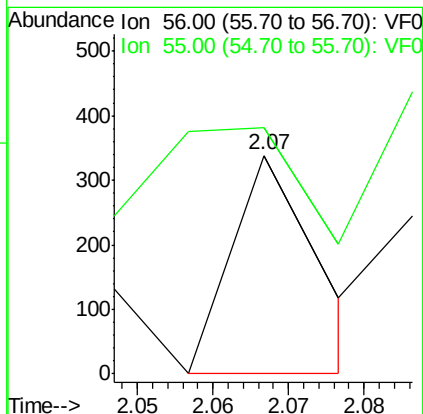
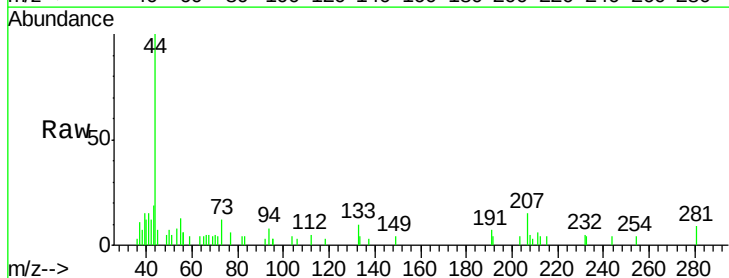
Tgt Ion: 59 Resp: 406
Ion Ratio Lower Upper
59 100
57 42.6 8.7 13.1#

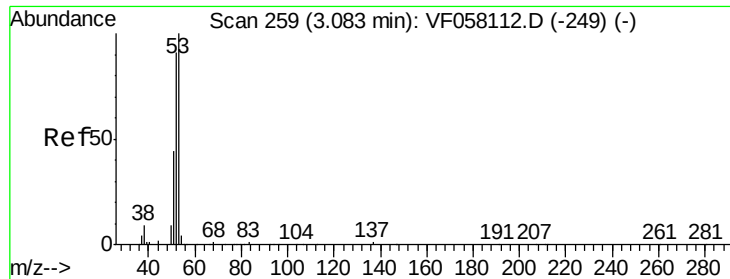


#13

Acrolein
Concen: 1.518 ug/l
RT: 2.07 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF059188.D
Acq: 18 Jun 2018 21:02

Tgt Ion: 56 Resp: 269
Ion Ratio Lower Upper
56 100
55 112.7 60.0 90.0#





#15

Acrylonitrile

Concen: 2.376 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.03 min

Lab File: VF059188.D

Acq: 18 Jun 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

SS-T-5-STONE

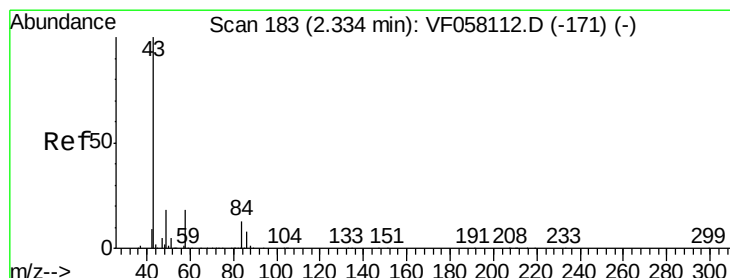
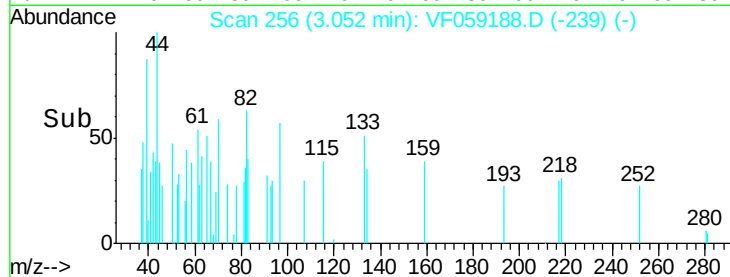
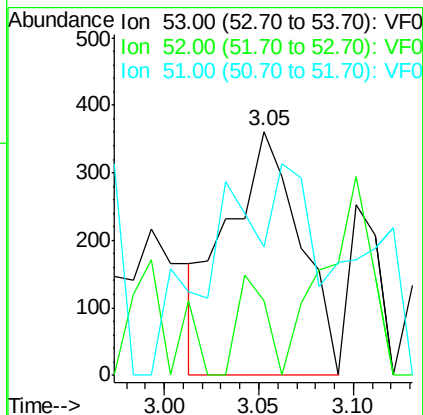
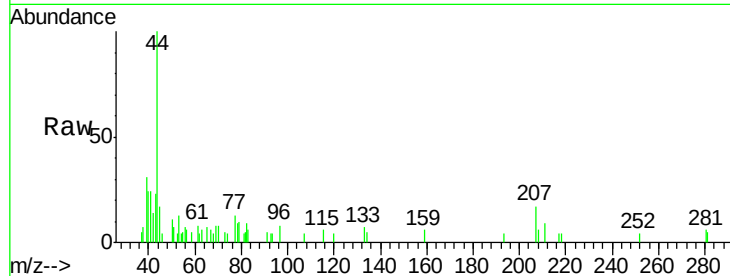
Tgt Ion: 53 Resp: 966

Ion Ratio Lower Upper

53 100

52 30.5 73.2 109.8#

51 52.6 35.6 53.4



#16

Acetone

Concen: 3.228 ug/l

RT: 2.24 min Scan# 174

Delta R.T. -0.09 min

Lab File: VF059188.D

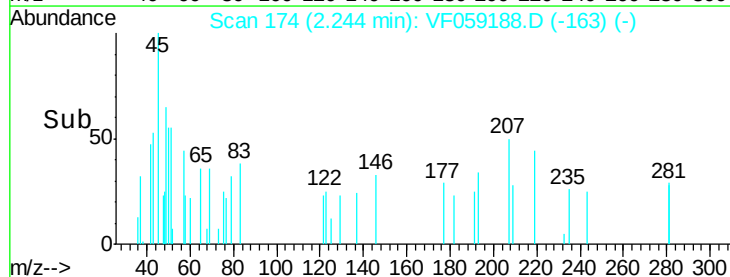
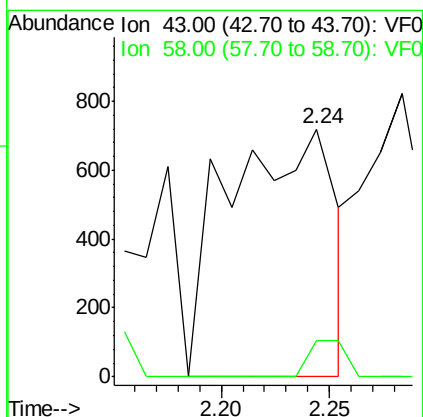
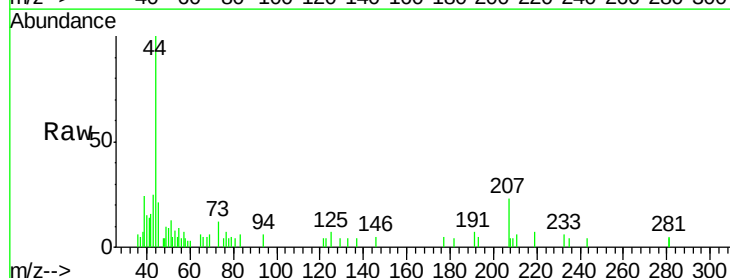
Acq: 18 Jun 2018 21:02

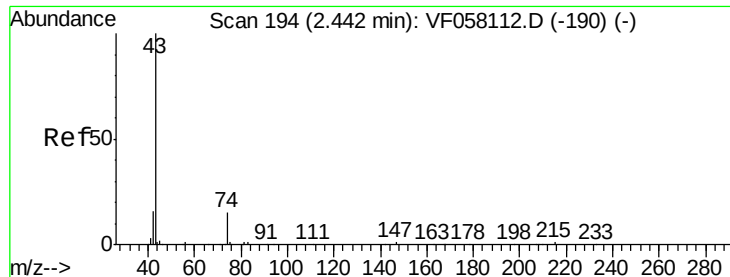
Tgt Ion: 43 Resp: 2462

Ion Ratio Lower Upper

43 100

58 14.4 14.4 21.6





#18

Methyl Acetate

Concen: 7.676 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.04 min

Lab File: VF059188.D

Acq: 18 Jun 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

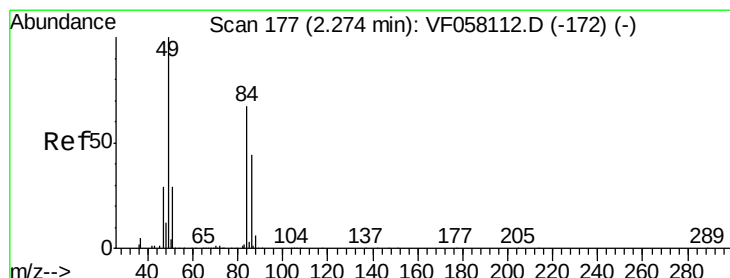
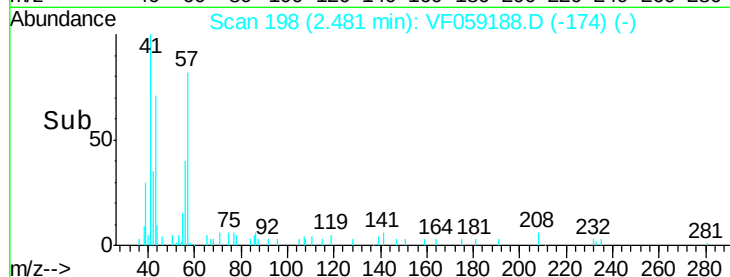
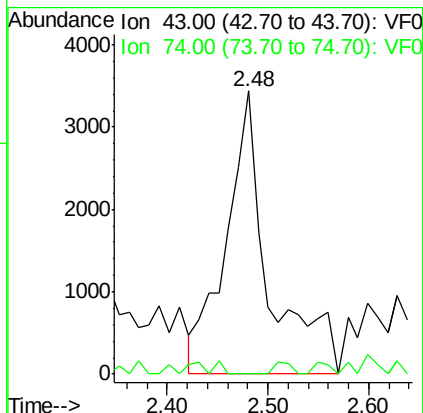
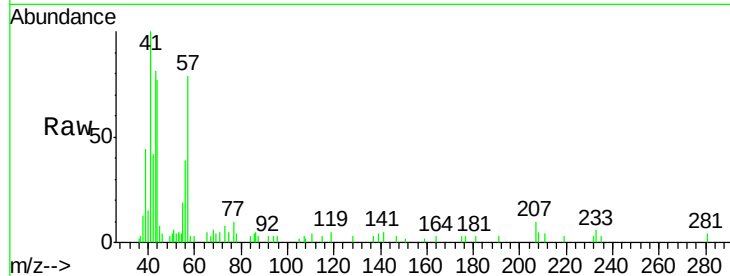
SS-T-5-STONE

Tgt Ion: 43 Resp: 10064

Ion Ratio Lower Upper

43 100

74 0.0 10.9 16.3#



#20

Methylene Chloride

Concen: 2.047 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.00 min

Lab File: VF059188.D

Acq: 18 Jun 2018 21:02

Tgt Ion: 84 Resp: 3738

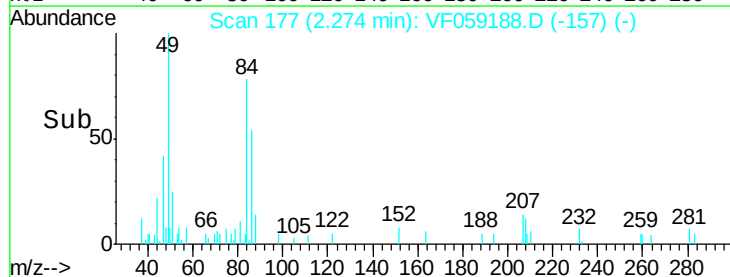
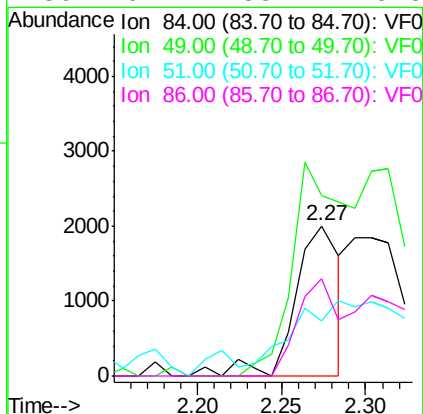
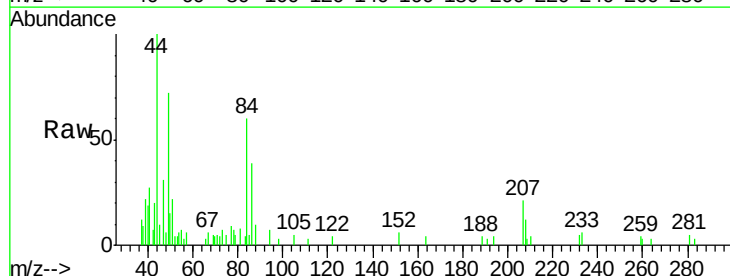
Ion Ratio Lower Upper

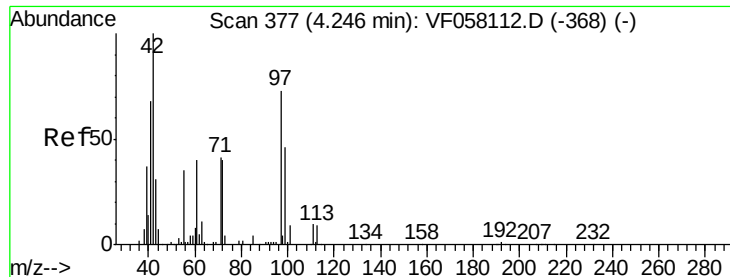
84 100

49 120.1 121.0 181.4#

51 36.3 35.8 53.6

86 64.4 53.2 79.8





#29

Tetrahydrofuran

Concen: 2.889 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF059188.D

Acq: 18 Jun 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

SS-T-5-STONE

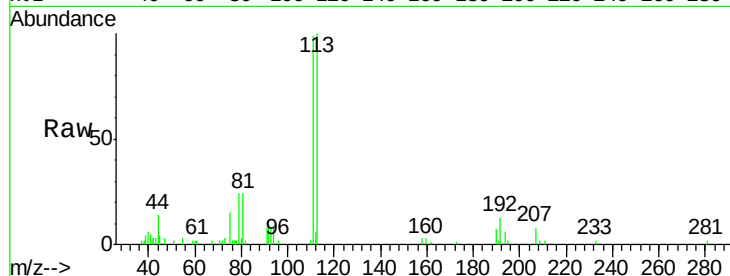
Tgt Ion: 42 Resp: 1505

Ion Ratio Lower Upper

42 100

72 10.3 30.5 45.7#

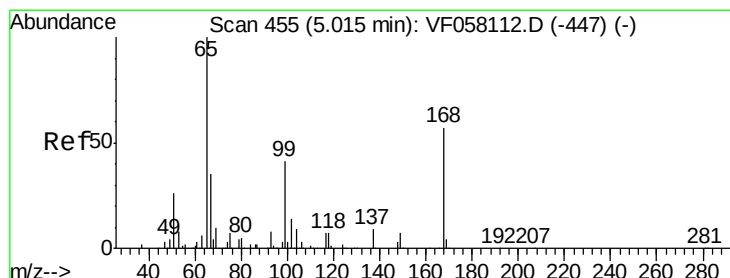
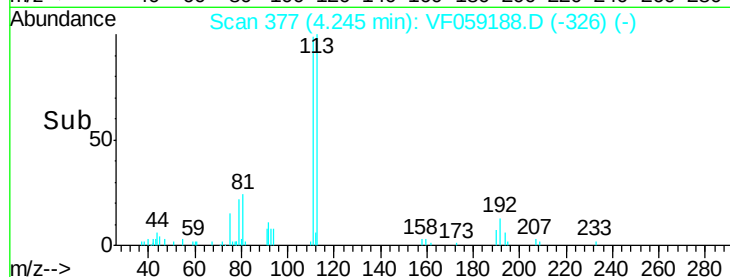
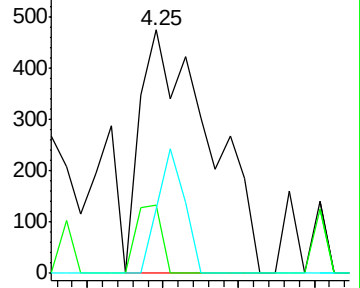
71 20.0 31.5 47.3#



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: 54.734 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059188.D

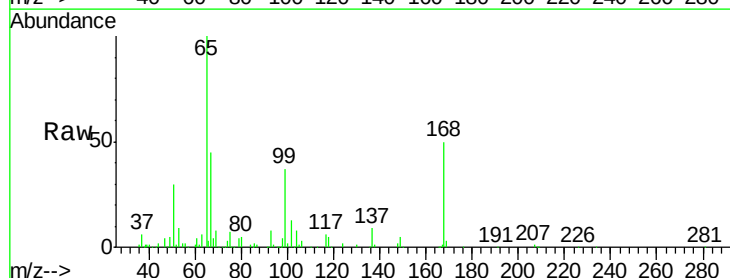
Acq: 18 Jun 2018 21:02

Tgt Ion: 65 Resp: 174843

Ion Ratio Lower Upper

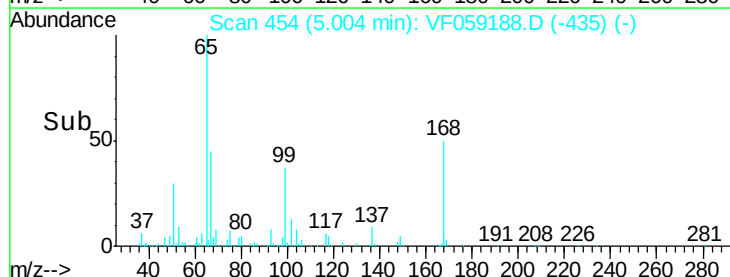
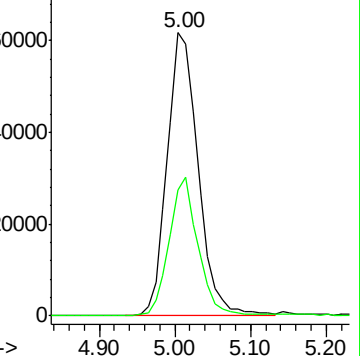
65 100

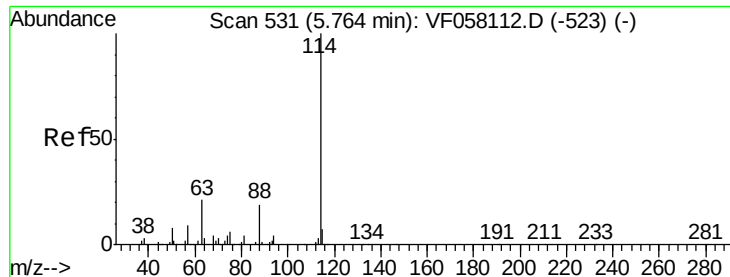
67 44.5 0.0 97.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

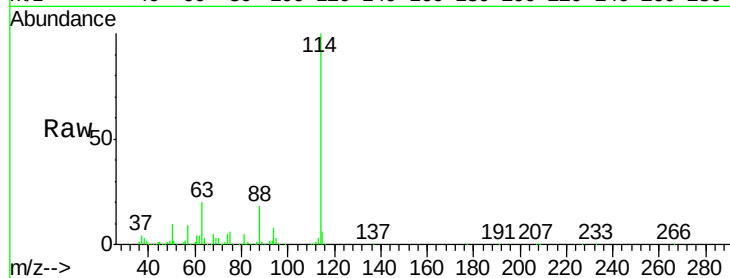




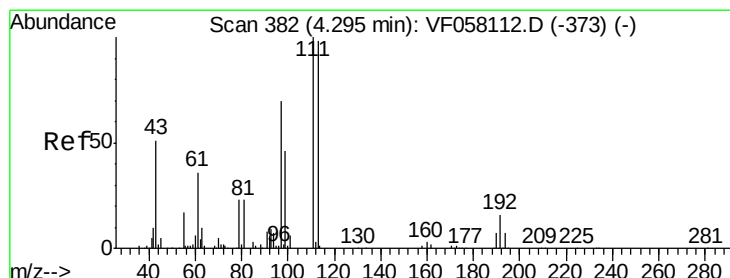
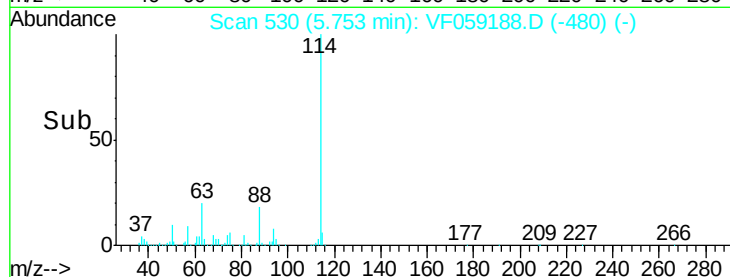
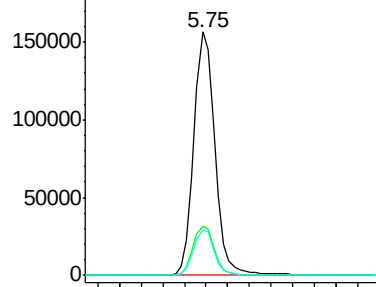
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059188.D
 Acq: 18 Jun 2018 21:02

Instrument :
 MSVOA_F
 ClientSampleId :
 SS-T-5-STONE

Tgt Ion:114 Resp: 424776
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.6
 88 18.4 0.0 38.8

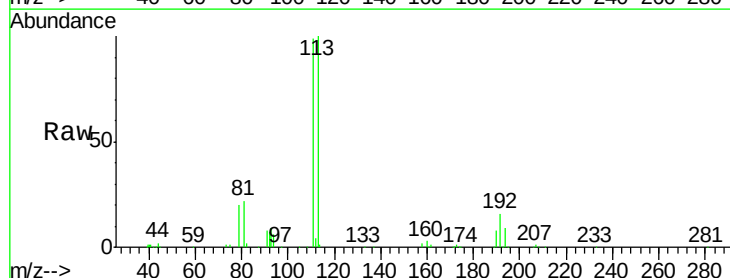


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

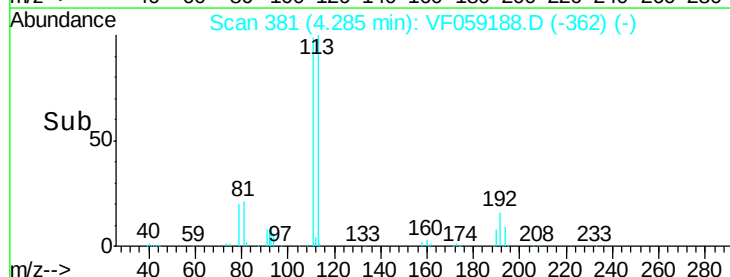
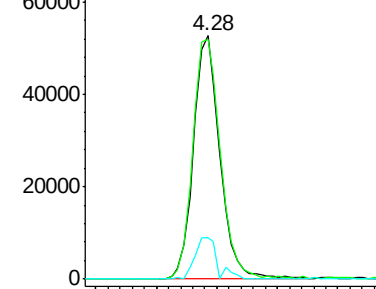


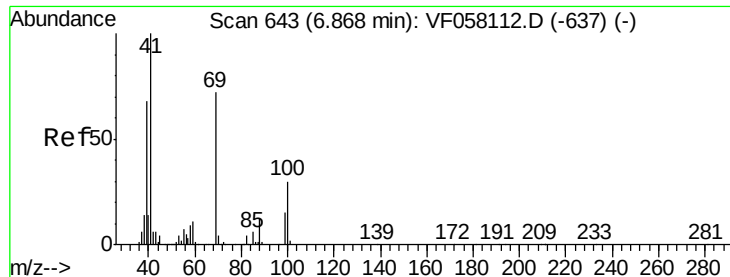
#35
 Dibromofluoromethane
 Concen: 53.663 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059188.D
 Acq: 18 Jun 2018 21:02

Tgt Ion:113 Resp: 159945
 Ion Ratio Lower Upper
 113 100
 111 98.7 81.3 121.9
 192 16.7 12.7 19.1



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: 17.976 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.03 min

Lab File: VF059188.D

Acq: 18 Jun 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

SS-T-5-STONE

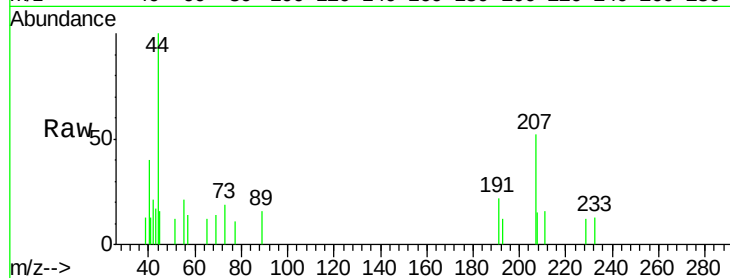
Tgt Ion: 88 Resp: 84

Ion Ratio Lower Upper

88 100

43 105.6 47.8 71.8#

58 0.0 59.4 89.0#



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

300

250

200

150

100

50

0

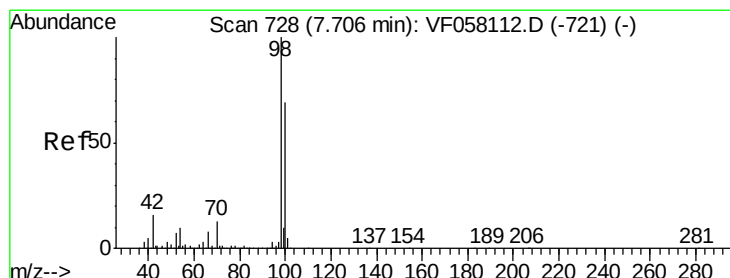
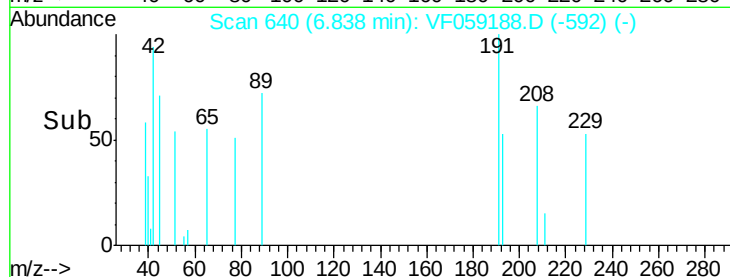
6.80

6.82

6.84

6.86

Time-->



#50

Toluene-d8

Concen: 43.972 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059188.D

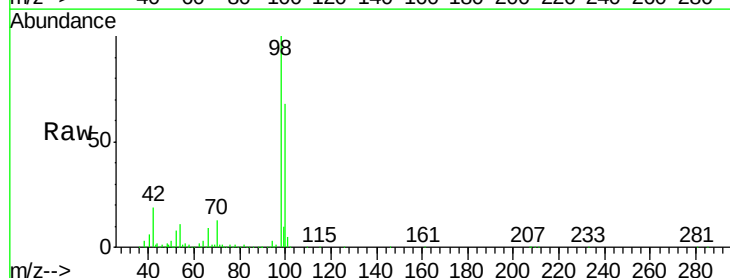
Acq: 18 Jun 2018 21:02

Tgt Ion: 98 Resp: 385028

Ion Ratio Lower Upper

98 100

100 68.1 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

150000

100000

50000

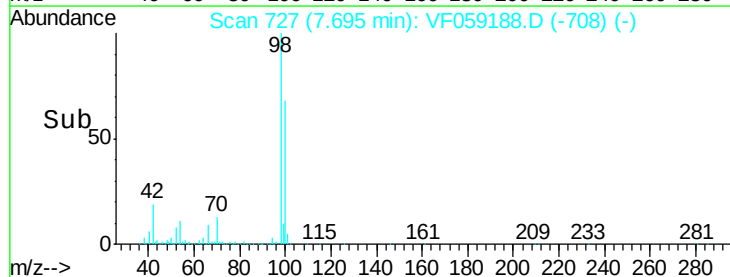
0

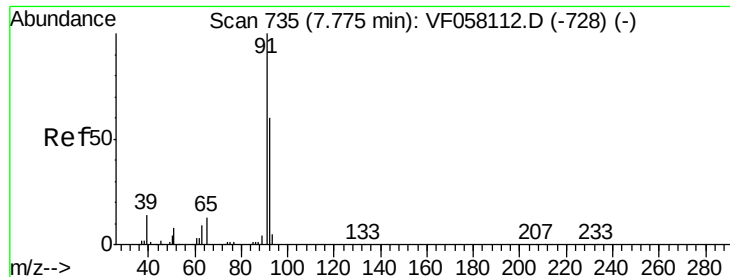
7.60

7.70

7.80

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 2.122 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.07 min

Lab File: VF059188.D

Acq: 18 Jun 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

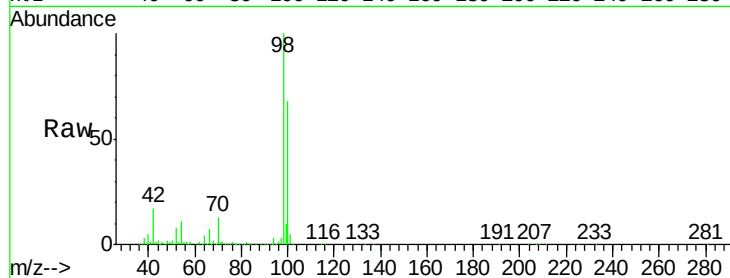
SS-T-5-STONE

Tgt Ion: 63 Resp: 477

Ion Ratio Lower Upper

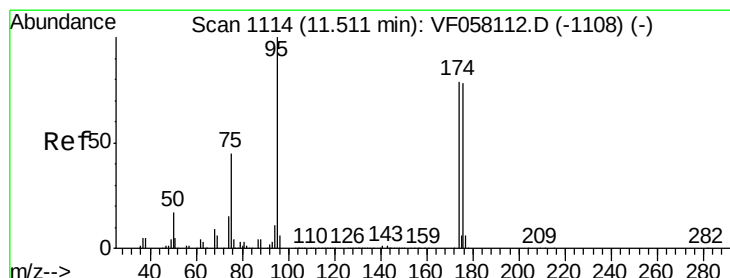
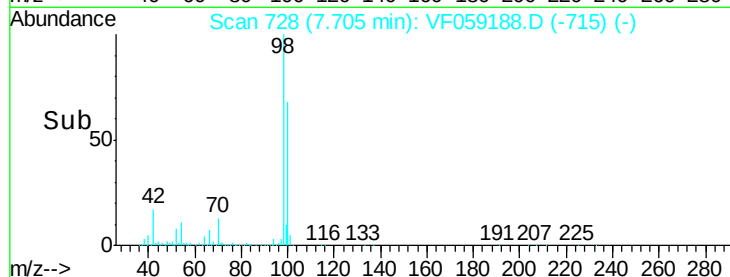
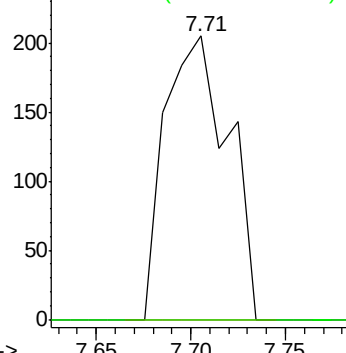
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#62

4-Bromofluorobenzene

Concen: 41.947 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059188.D

Acq: 18 Jun 2018 21:02

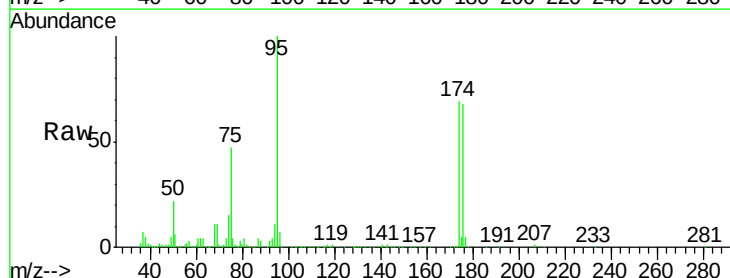
Tgt Ion: 95 Resp: 188386

Ion Ratio Lower Upper

95 100

174 68.8 0.0 157.8

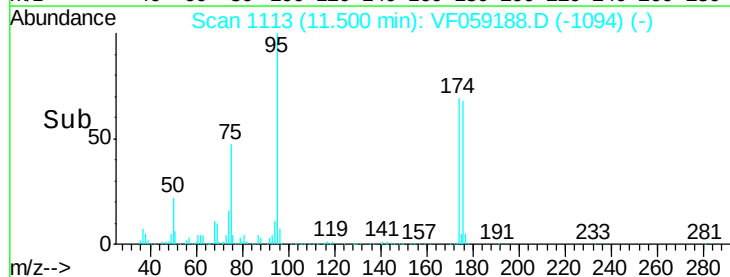
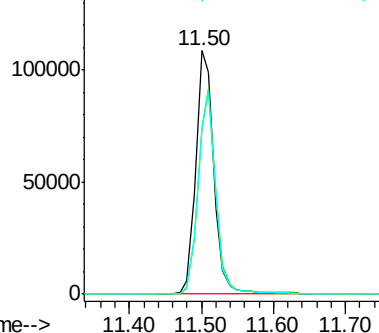
176 68.2 0.0 155.8

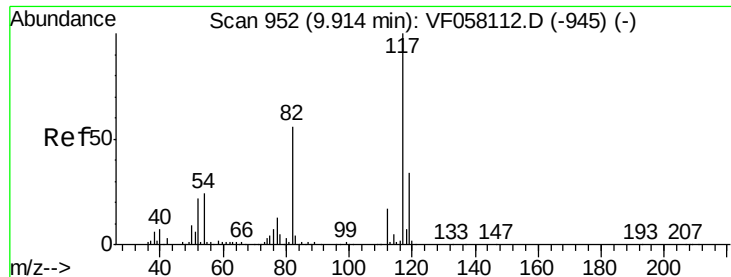


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

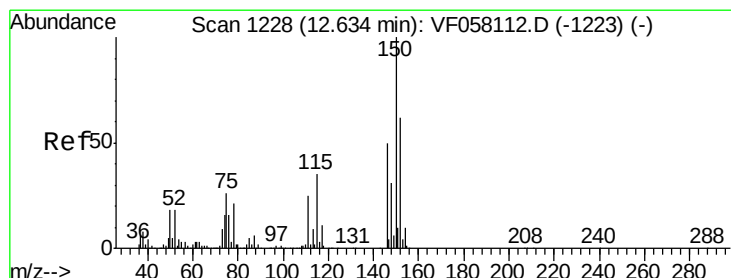
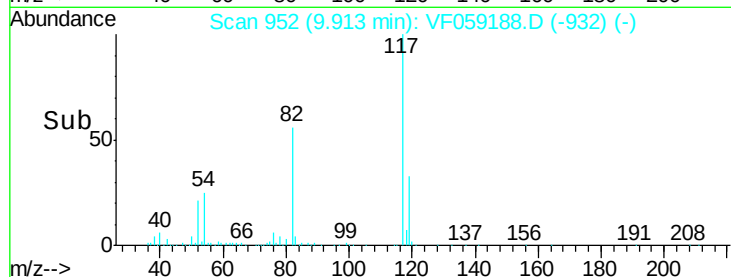
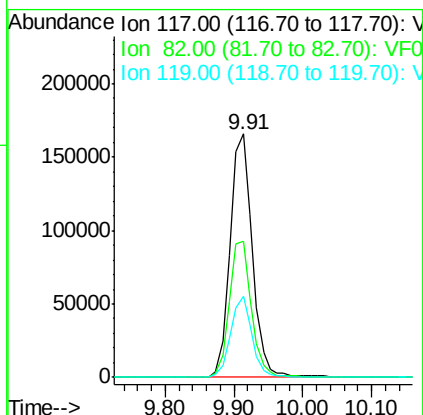
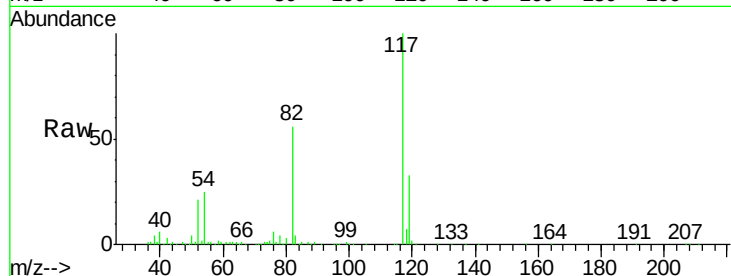




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059188.D
Acq: 18 Jun 2018 21:02

Instrument :
MSVOA_F
ClientSampleId :
SS-T-5-STONE

Tgt Ion:117 Resp: 370264
Ion Ratio Lower Upper
117 100
82 55.7 45.2 67.8
119 33.1 27.5 41.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059188.D
Acq: 18 Jun 2018 21:02

Tgt Ion:152 Resp: 215808
Ion Ratio Lower Upper
152 100
115 62.0 28.5 85.5
150 155.7 0.0 323.8

