

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059223.D
 Acq On : 20 Jun 2018 9:04
 Operator : VA/AP
 Sample : J3584-03
 Misc : 5.52g/5mL/MSVOA-F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 09:22:30 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	221107	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	368842	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	347571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	215910	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	161717	60.31	ug/l	0.00
Spiked Amount			Recovery	=	120.62%	
35) Dibromofluoromethane	4.29	113	146109	56.45	ug/l	0.00
Spiked Amount			Recovery	=	112.90%	
50) Toluene-d8	7.70	98	318709	41.92	ug/l	0.00
Spiked Amount			Recovery	=	83.84%	
62) 4-Bromofluorobenzene	11.51	95	182687	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	

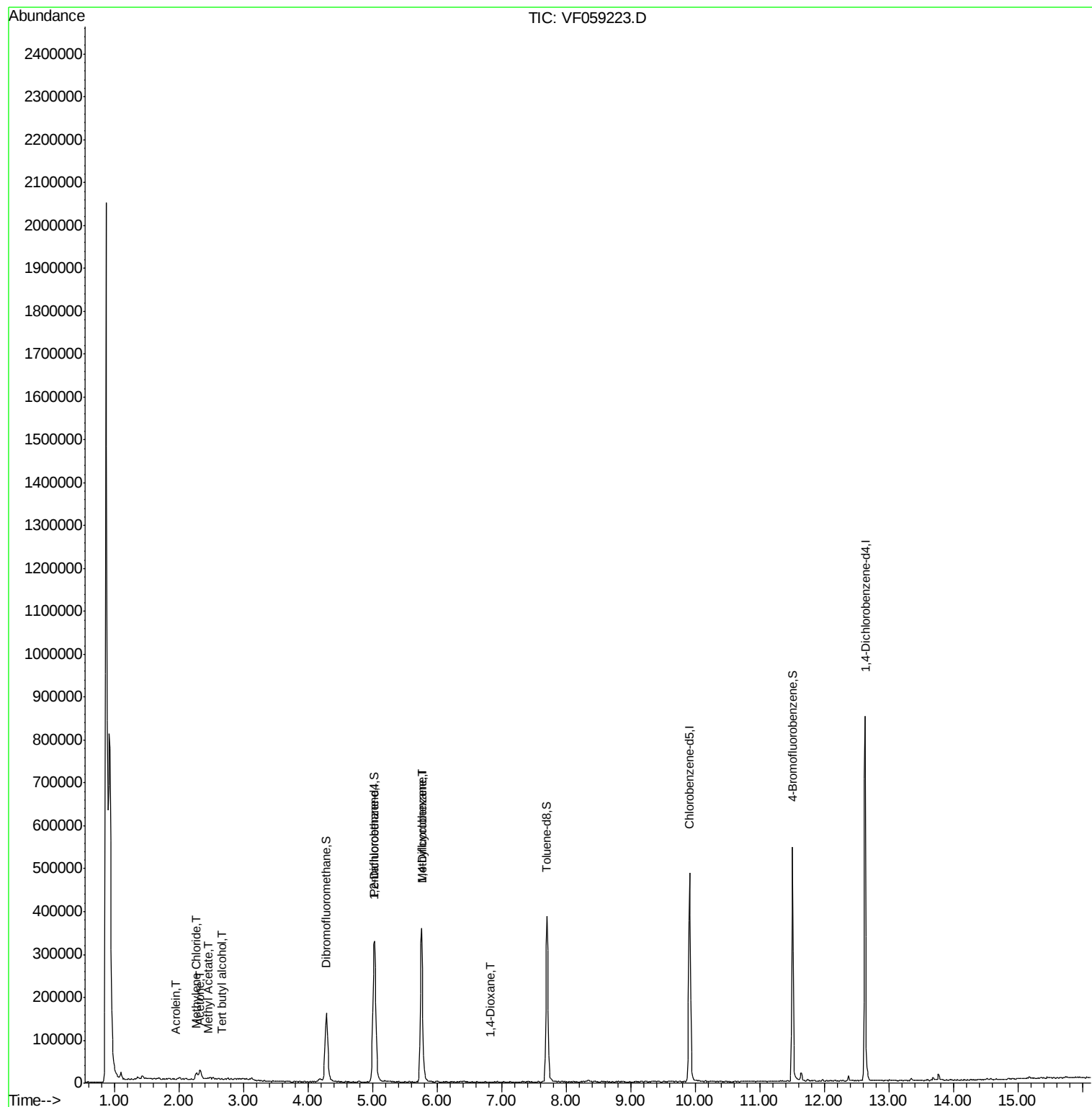
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.66	59	446	2.596	ug/l #	71
13) Acrolein	1.96	56	619	4.162	ug/l	90
16) Acetone	2.33	43	27330	42.686	ug/l	97
18) Methyl Acetate	2.45	43	4536	4.121	ug/l	94
20) Methylene Chloride	2.28	84	11109	7.247	ug/l #	91
39) Methylcyclohexane	5.76	83	5230	1.435	ug/l #	43
49) 1,4-Dioxane	6.82	88	80	18.446	ug/l #	1
89) n-Butylbenzene	12.92	91	477	Below Cal	#	35

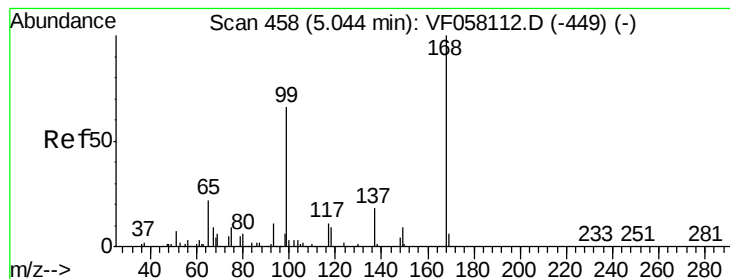
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 456

Delta R.T. -0.01 min

Lab File: VF059223.D

Acq: 20 Jun 2018 9:04

Instrument :

MSVOA_F

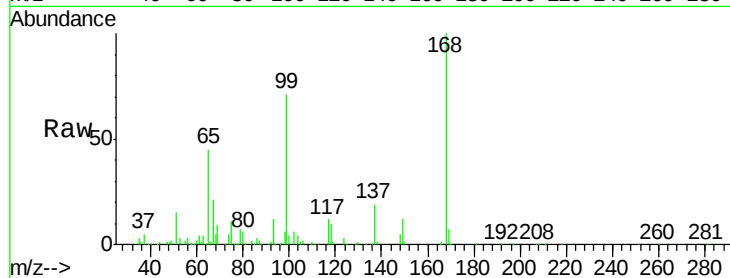
ClientSampleId :

Tot Ion:168 Resp: 221107

Ion Ratio Lower Upper

168 100

99 70.8 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

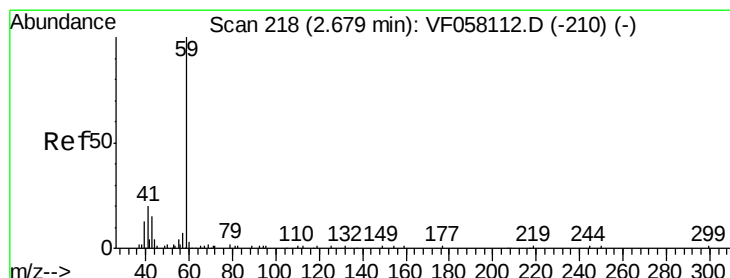
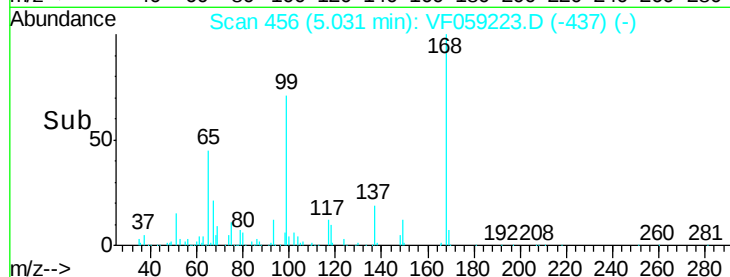
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#11

Tert butyl alcohol

Concen: 2.596 ug/l

RT: 2.66 min Scan# 216

Delta R.T. -0.01 min

Lab File: VF059223.D

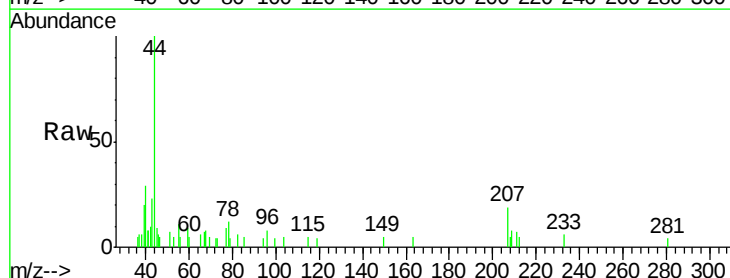
Acq: 20 Jun 2018 9:04

Tgt Ion: 59 Resp: 446

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.66

300

250

200

150

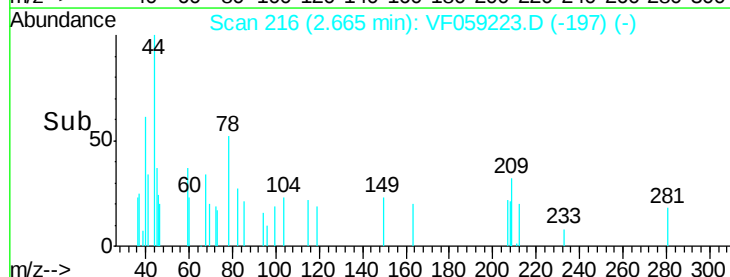
100

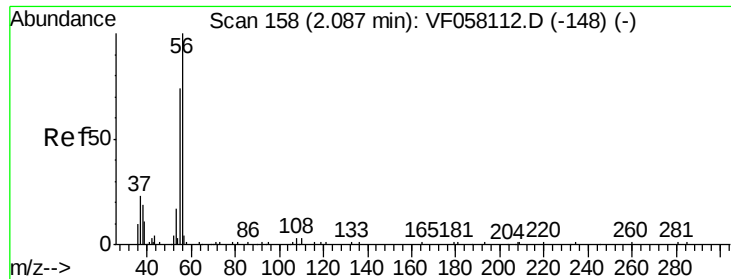
50

0

2.60 2.65

Time-->





#13

Acrolein

Concen: 4.162 ug/l

RT: 1.96 min Scan# 144

Delta R.T. -0.13 min

Lab File: VF059223.D

Acq: 20 Jun 2018 9:04

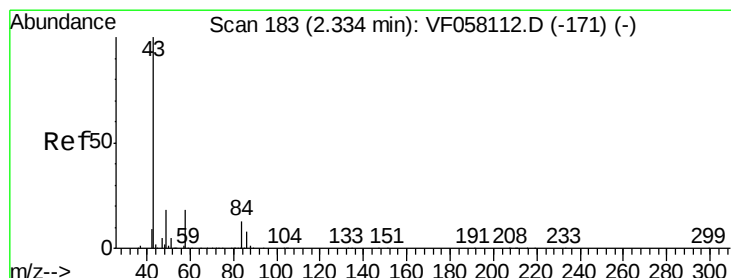
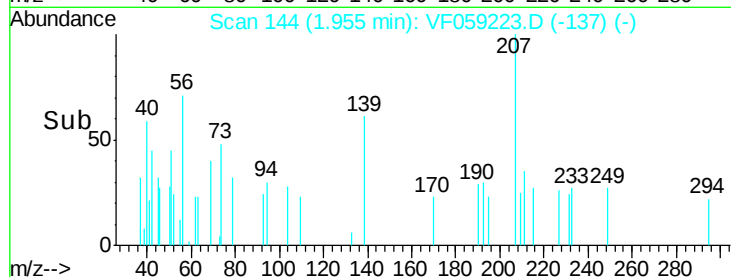
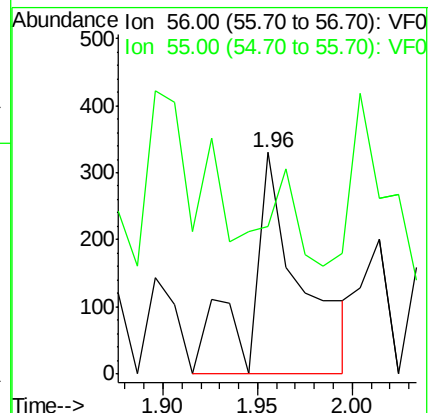
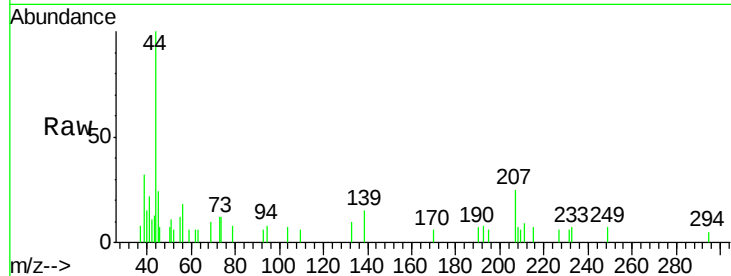
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 619

Ion Ratio Lower Upper

56 100

55 66.4 60.0 90.0



#16

Acetone

Concen: 42.686 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059223.D

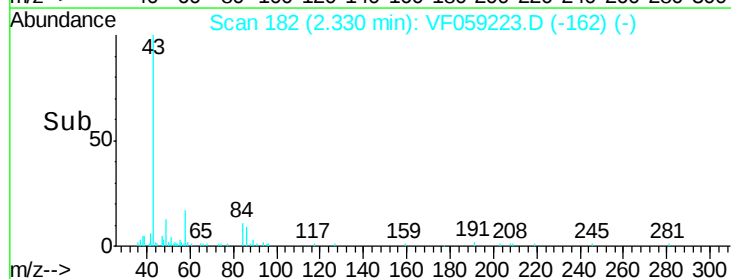
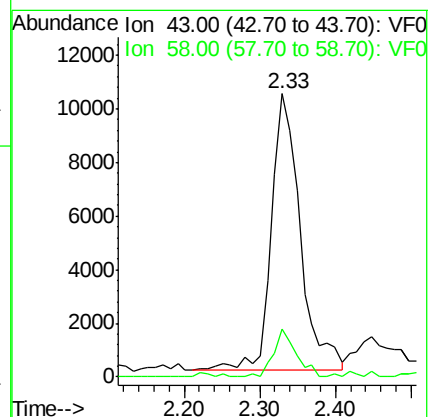
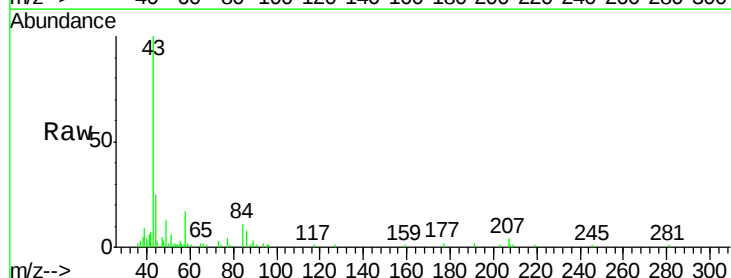
Acq: 20 Jun 2018 9:04

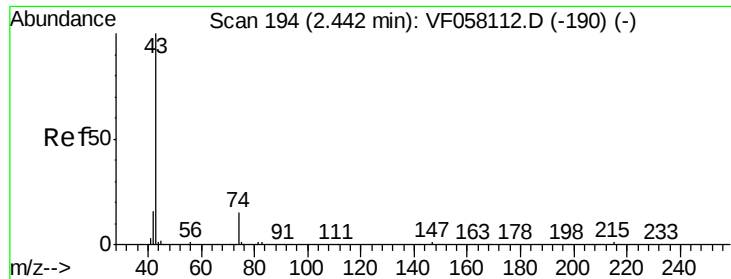
Tgt Ion: 43 Resp: 27330

Ion Ratio Lower Upper

43 100

58 16.9 14.4 21.6

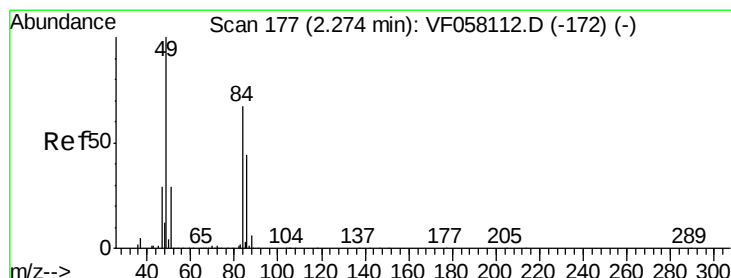
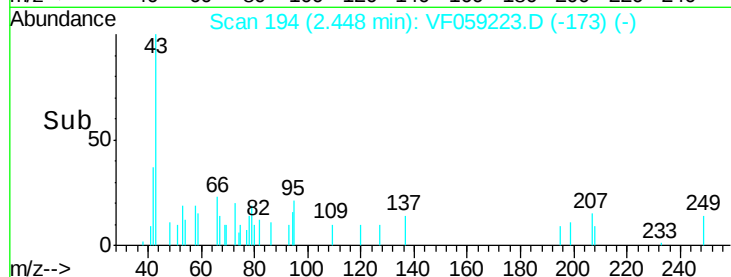
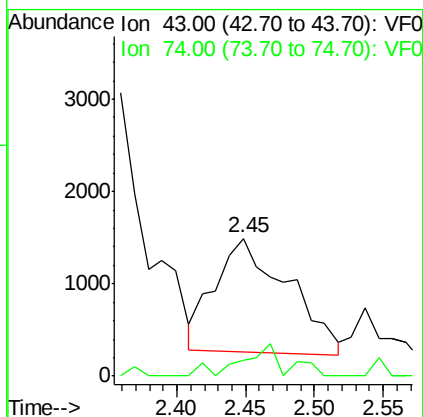
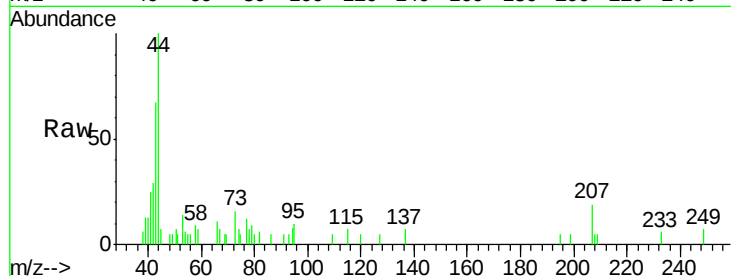




#18
Methyl Acetate
Concen: 4.121 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.01 min
Lab File: VF059223.D
Acq: 20 Jun 2018 9:04

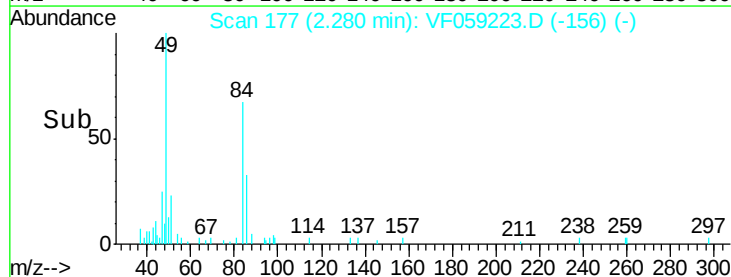
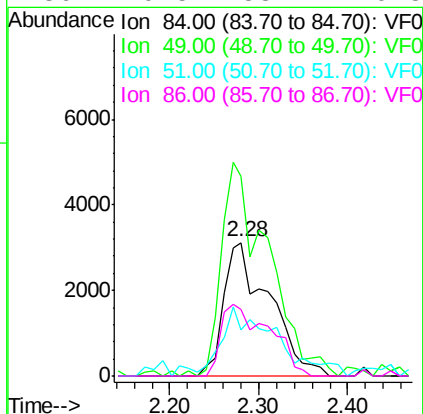
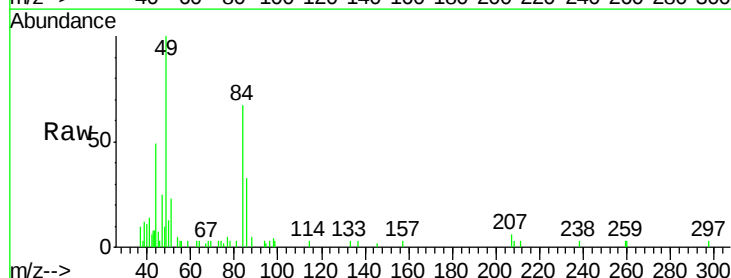
Instrument :
MSVOA_F
ClientSampled :

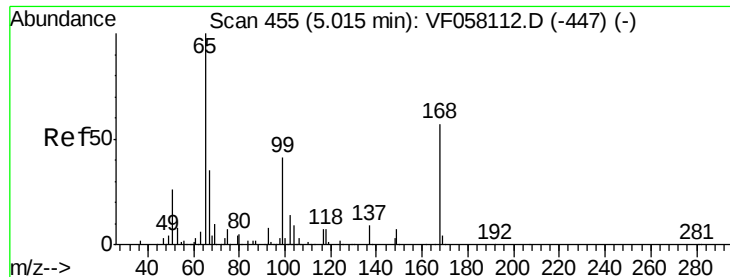
Tot Ion: 43 Resp: 4536
Ion Ratio Lower Upper
43 100
74 11.1 10.9 16.3



#20
Methylene Chloride
Concen: 7.247 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059223.D
Acq: 20 Jun 2018 9:04

Tgt Ion: 84 Resp: 11109
Ion Ratio Lower Upper
84 100
49 149.7 121.0 181.4
51 35.0 35.8 53.6#
86 49.5 53.2 79.8#





#33

1,2-Dichloroethane-d4

Concen: 60.307 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059223.D

Acq: 20 Jun 2018 9:04

Instrument :

MSVOA_F

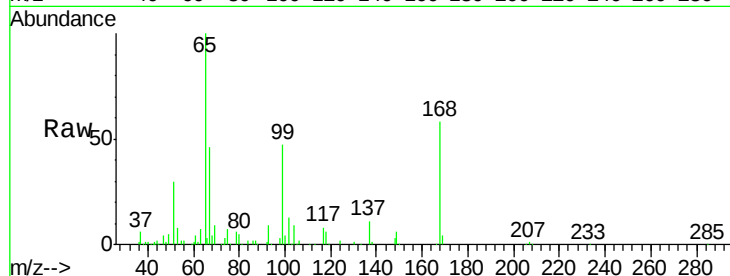
ClientSampleId :

Tot Ion: 65 Resp: 161717

Ion Ratio Lower Upper

65 100

67 46.1 0.0 97.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

60000

50000

40000

30000

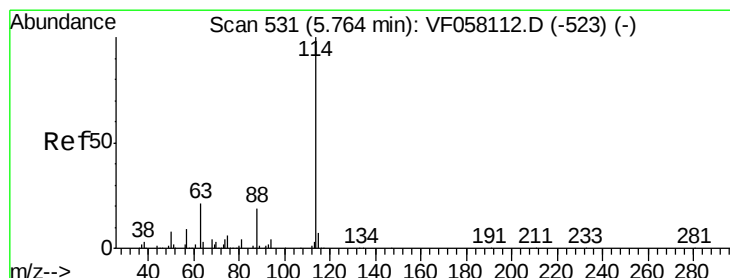
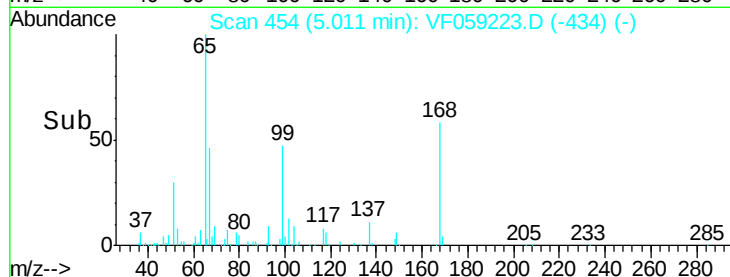
20000

10000

0

4.90 5.01 5.10 5.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059223.D

Acq: 20 Jun 2018 9:04

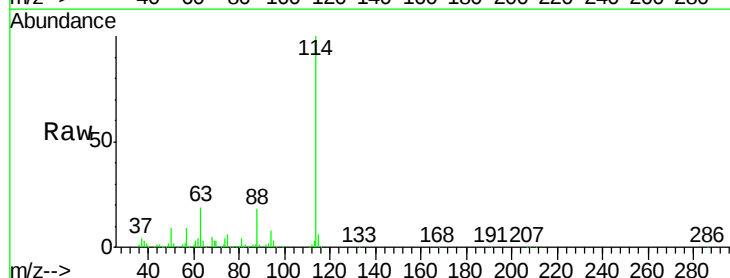
Tgt Ion: 114 Resp: 368842

Ion Ratio Lower Upper

114 100

63 19.1 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

200000

150000

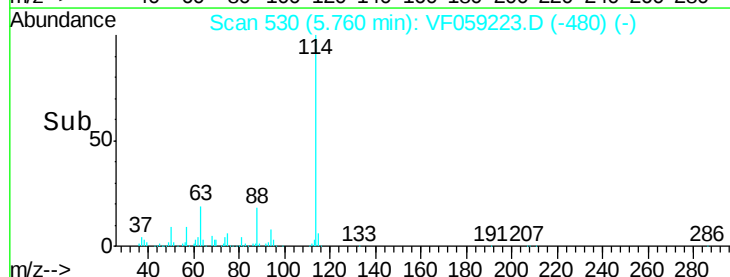
100000

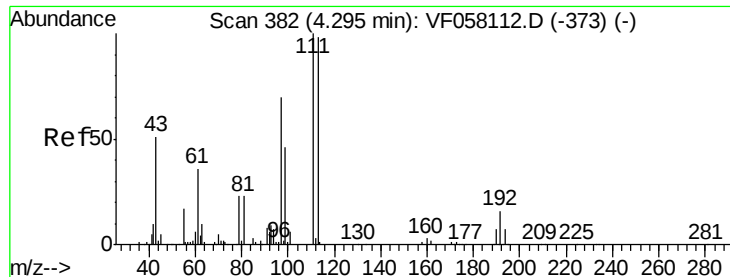
50000

0

5.60 5.76 5.80 6.00

Time-->





#35

Dibromofluoromethane

Concen: 56.455 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF059223.D

Acq: 20 Jun 2018 9:04

Instrument :
MSVOA_F
ClientSampleId :

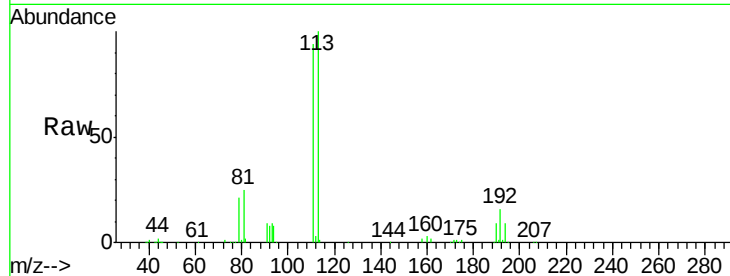
Tot Ion:113 Resp: 146109

Ion Ratio Lower Upper

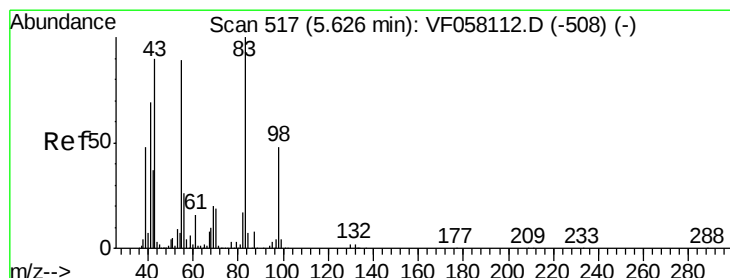
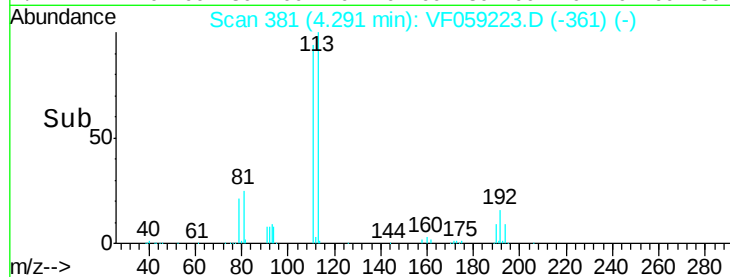
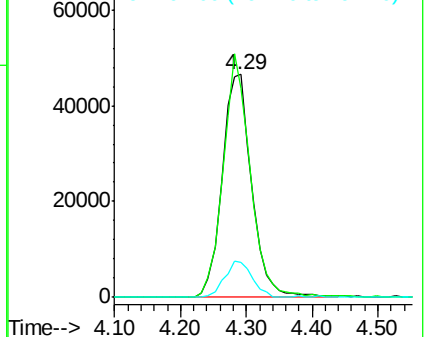
113 100

111 94.0 81.3 121.9

192 15.9 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



#39

Methylcyclohexane

Concen: 1.435 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.13 min

Lab File: VF059223.D

Acq: 20 Jun 2018 9:04

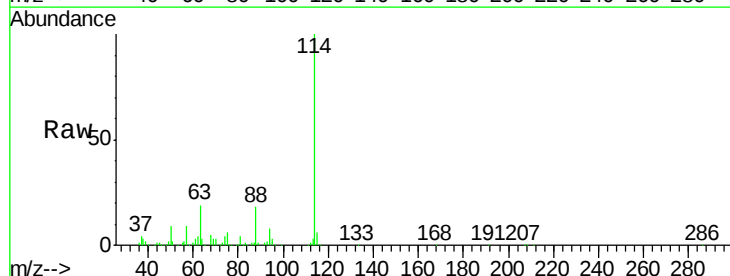
Tgt Ion: 83 Resp: 5230

Ion Ratio Lower Upper

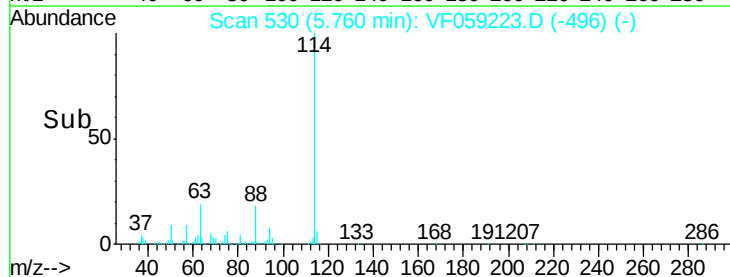
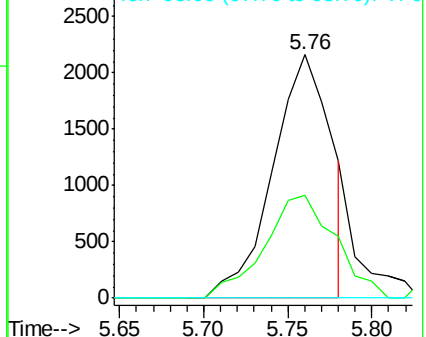
83 100

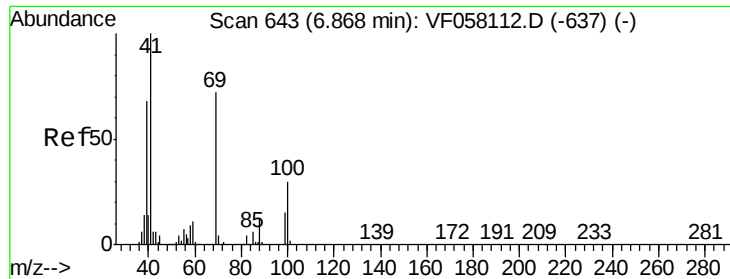
55 42.0 71.0 106.4#

98 0.0 38.1 57.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#49

1,4-Dioxane

Concen: 18.446 ug/l

RT: 6.82 min Scan# 638

Delta R.T. -0.04 min

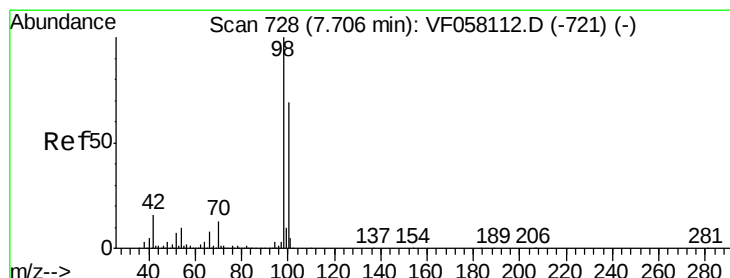
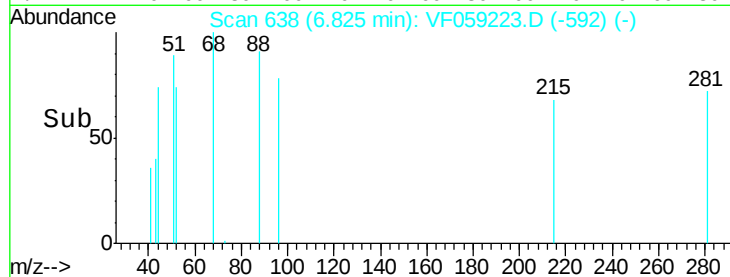
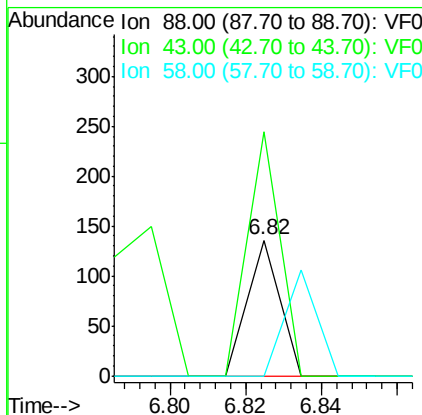
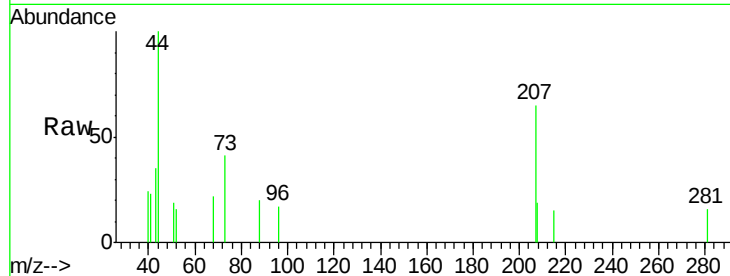
Lab File: VF059223.D

Acq: 20 Jun 2018 9:04

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 88 Resp: 80

Ion	Ratio	Lower	Upper
88	100		
43	179.4	47.8	71.8#
58	0.0	59.4	89.0#



#50

Toluene-d8

Concen: 41.918 ug/l

RT: 7.70 min Scan# 727

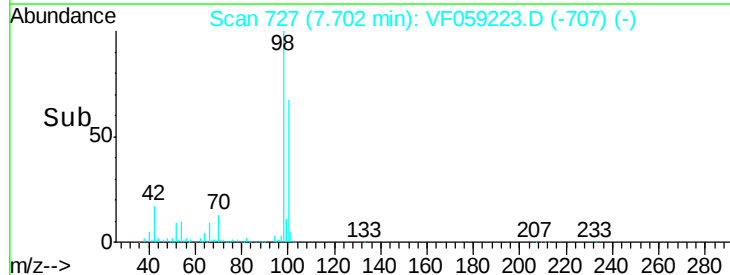
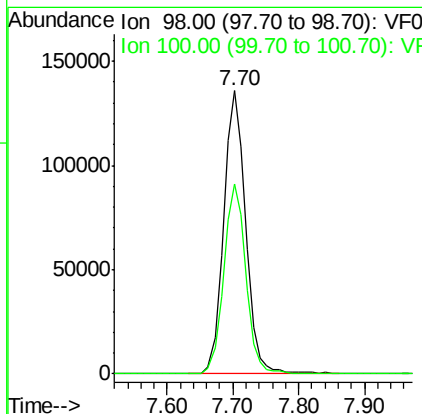
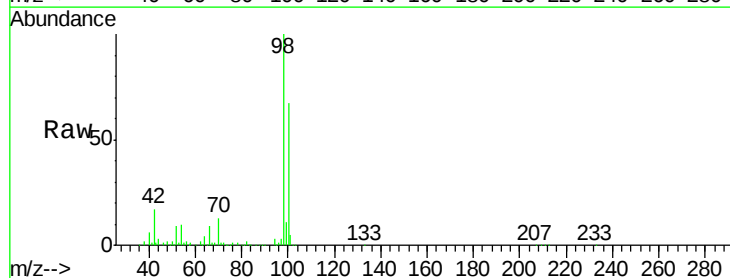
Delta R.T. -0.00 min

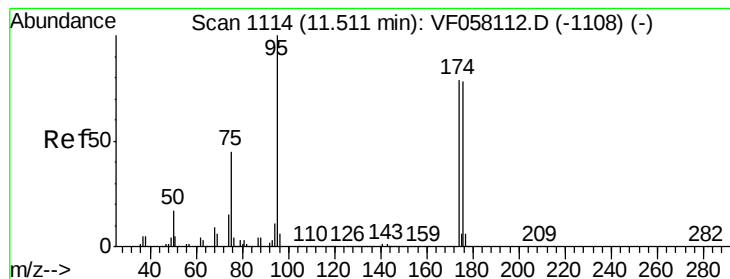
Lab File: VF059223.D

Acq: 20 Jun 2018 9:04

Tgt Ion: 98 Resp: 318709

Ion	Ratio	Lower	Upper
98	100		
100	67.3	55.6	83.4





#62

4-Bromofluorobenzene

Concen: 46.846 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059223.D

Acq: 20 Jun 2018 9:04

Instrument :

MSVOA_F

ClientSampleId :

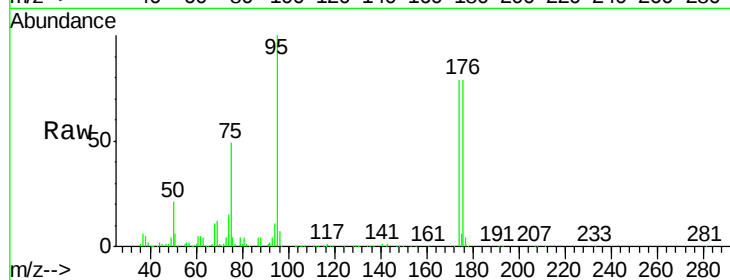
Tot Ion: 95 Resp: 182687

Ion Ratio Lower Upper

95 100

174 78.9 0.0 157.8

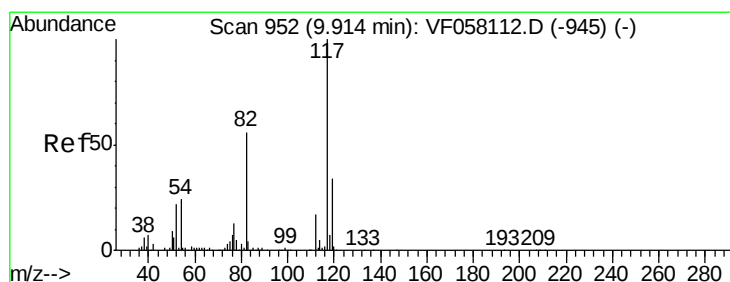
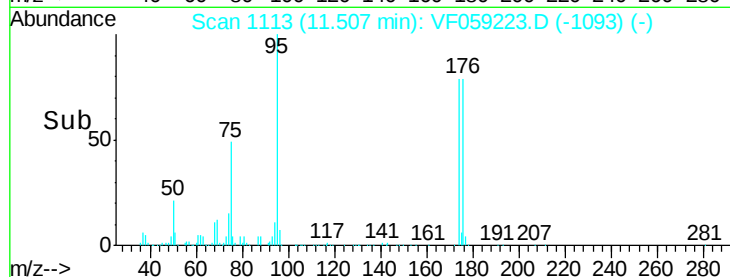
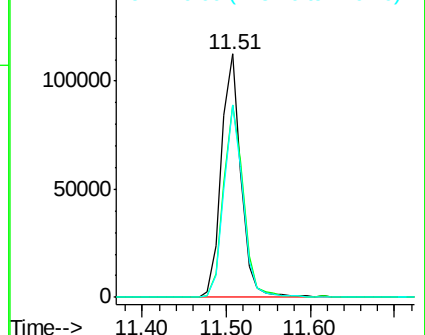
176 79.0 0.0 155.8



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: 9.91 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059223.D

Acq: 20 Jun 2018 9:04

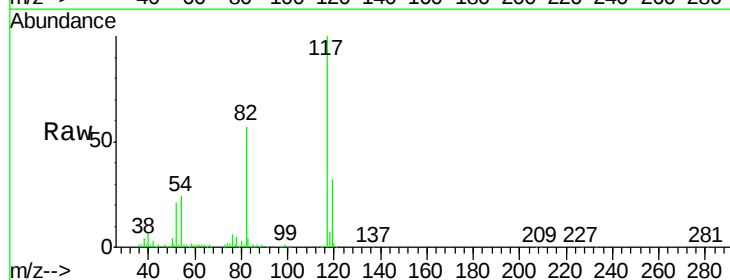
Tgt Ion: 117 Resp: 347571

Ion Ratio Lower Upper

117 100

82 56.7 45.2 67.8

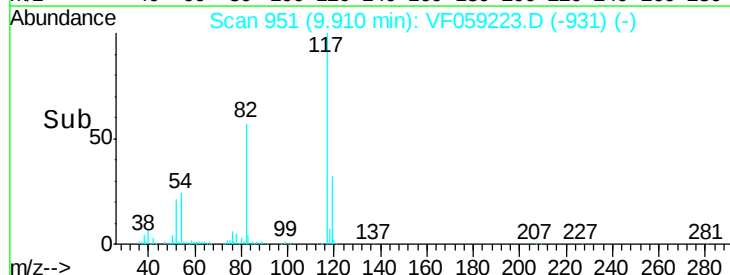
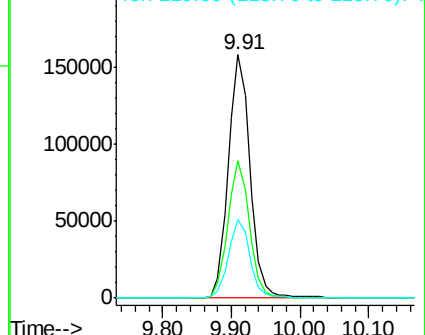
119 32.2 27.5 41.3

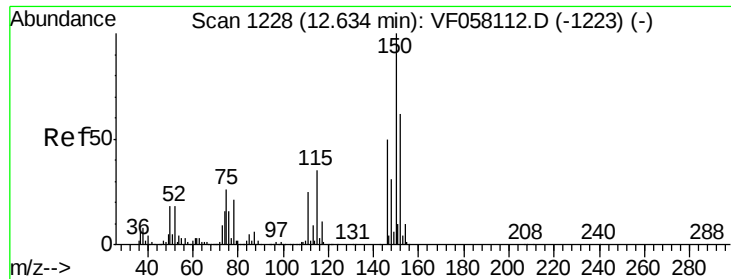


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



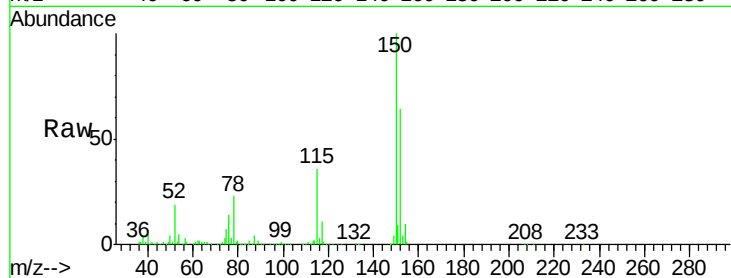


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059223.D
Acq: 20 Jun 2018 9:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.5	85.5
150	155.2	0.0	323.8



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

