

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059198.D
 Acq On : 19 Jun 2018 19:38
 Operator : VA/AP
 Sample : J3554-01RE
 Misc : 6.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:04:51 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	235594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	366040	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	345689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	206342	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	191002	66.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	133.70%	
35) Dibromofluoromethane	4.29	113	155134	60.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.80%	
50) Toluene-d8	7.70	98	362870	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	11.50	95	197376	51.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.00%	

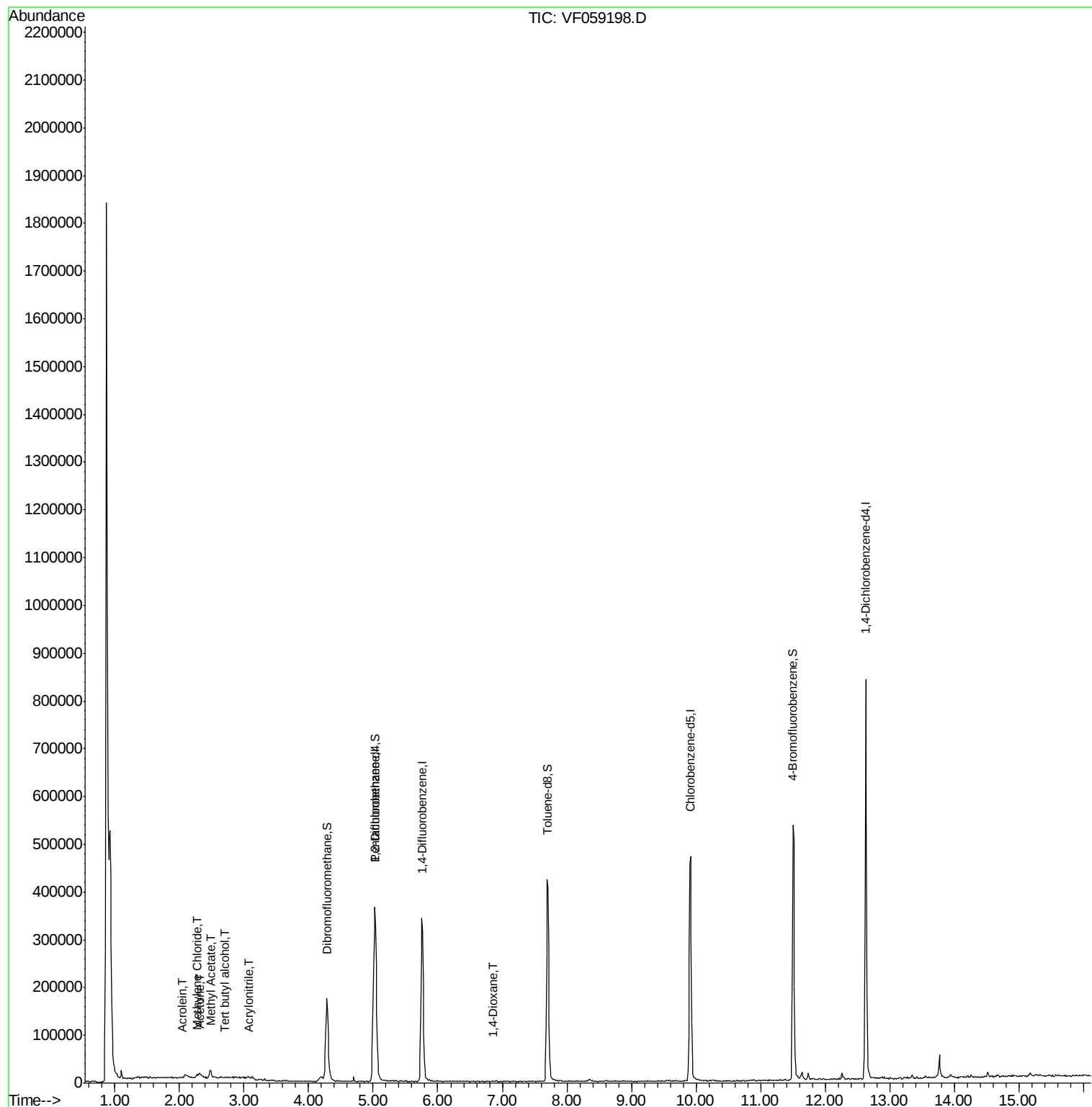
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	532	2.906	ug/l #	1
13) Acrolein	2.05	56	695	4.386	ug/l	94
15) Acrylonitrile	3.08	53	536	1.474	ug/l #	1
16) Acetone	2.33	43	3818	5.597	ug/l #	90
18) Methyl Acetate	2.48	43	6613	5.639	ug/l #	66
20) Methylene Chloride	2.27	84	2844	1.741	ug/l #	86
49) 1,4-Dioxane	6.86	88	86	18.890	ug/l #	40
89) n-Butylbenzene	12.91	91	1053	Below Cal	#	68

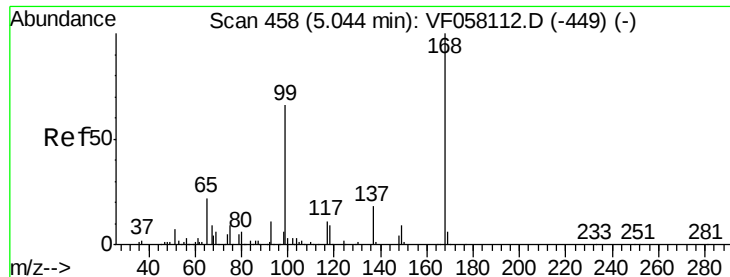
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059198.D

Acq: 19 Jun 2018 19:38

Instrument :

MSVOA_F

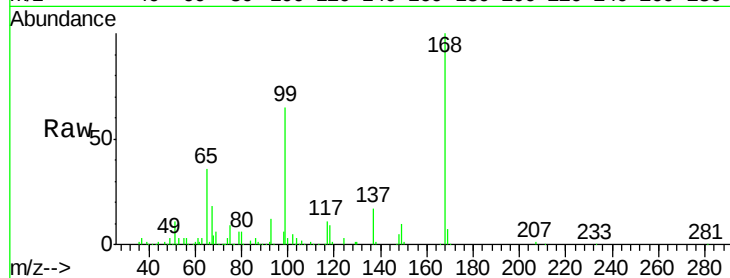
ClientSampleId :

Tot Ion:168 Resp: 235594

Ion Ratio Lower Upper

168 100

99 65.5 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

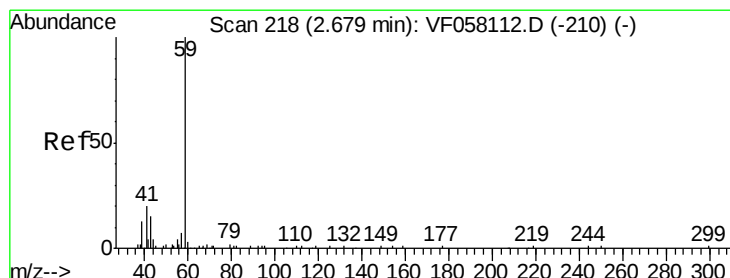
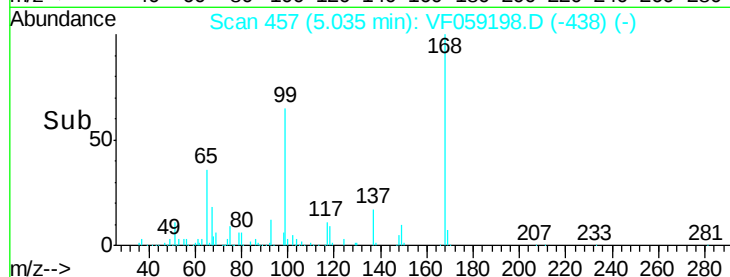
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#11

Tert butyl alcohol

Concen: 2.906 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.01 min

Lab File: VF059198.D

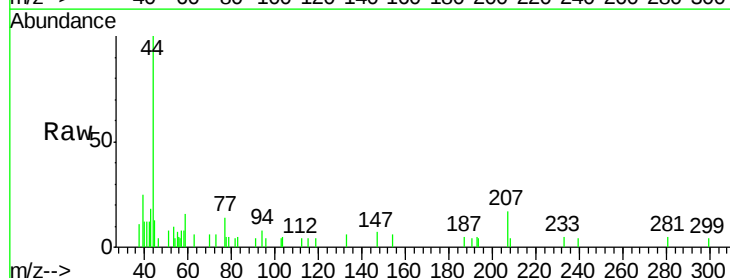
Acq: 19 Jun 2018 19:38

Tgt Ion: 59 Resp: 532

Ion Ratio Lower Upper

59 100

57 49.1 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.69

500

400

300

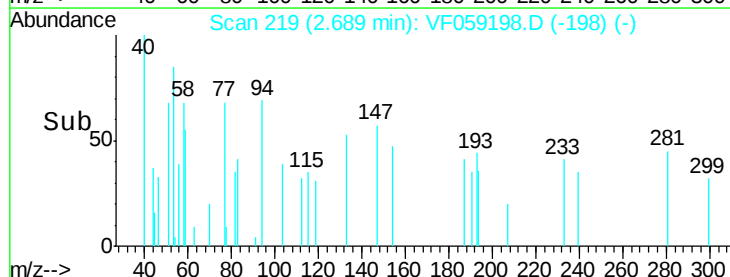
200

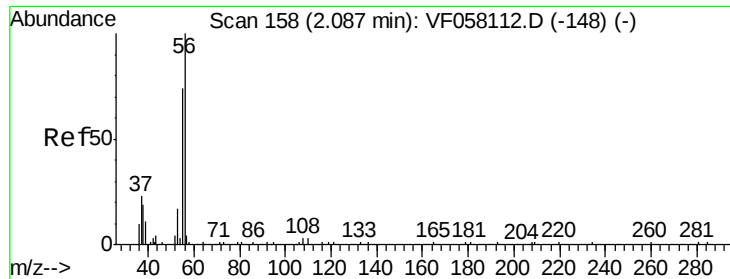
100

0

2.66 2.68 2.70 2.72

Time-->





#13

Acrolein

Concen: 4.386 ug/l

RT: 2.05 min Scan# 154

Delta R.T. -0.04 min

Lab File: VF059198.D

Acq: 19 Jun 2018 19:38

Instrument :

MSVOA_F

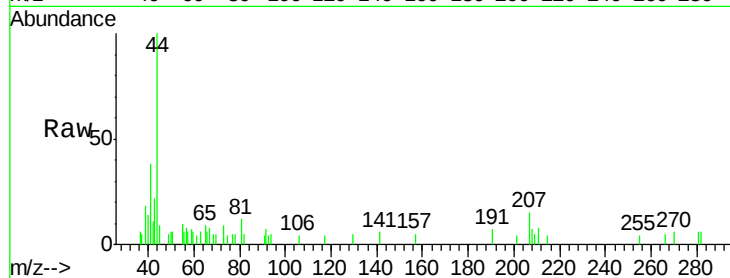
ClientSampleId :

Tot Ion: 56 Resp: 695

Ion Ratio Lower Upper

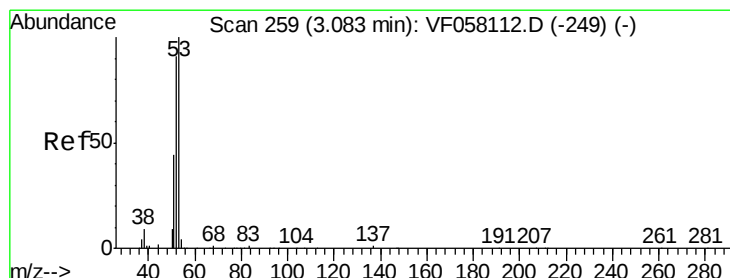
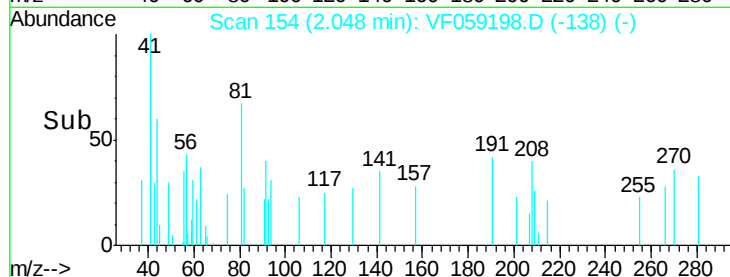
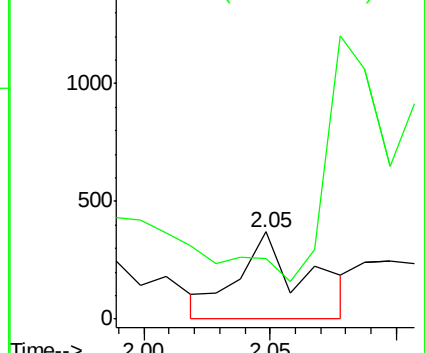
56 100

55 69.8 60.0 90.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.474 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059198.D

Acq: 19 Jun 2018 19:38

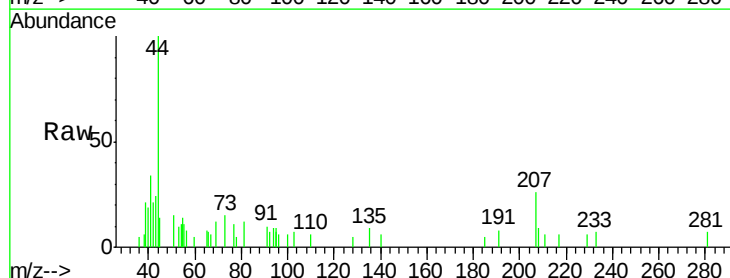
Tgt Ion: 53 Resp: 536

Ion Ratio Lower Upper

53 100

52 0.0 73.2 109.8#

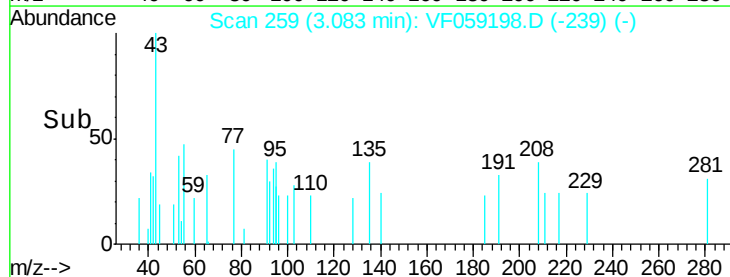
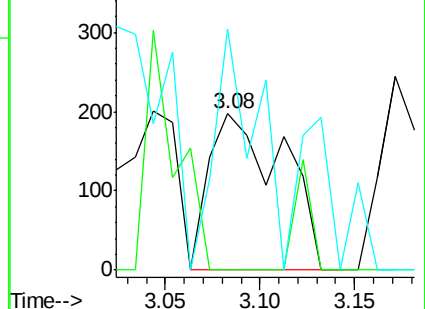
51 154.3 35.6 53.4#

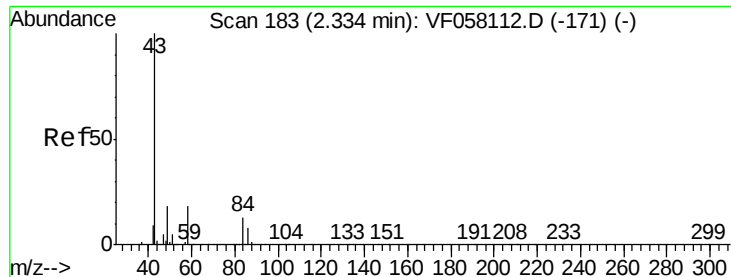


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 5.597 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059198.D

Acq: 19 Jun 2018 19:38

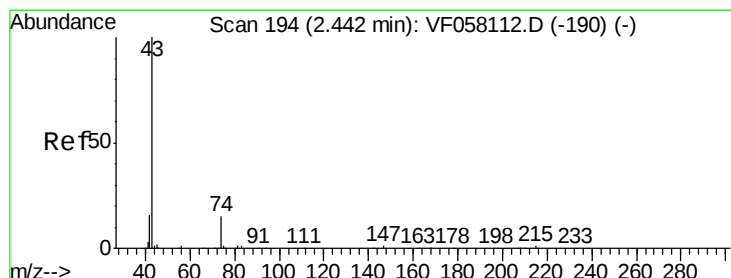
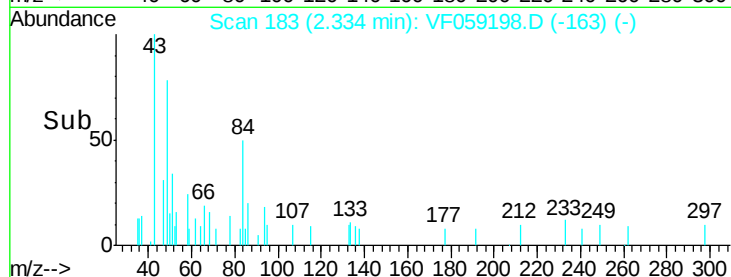
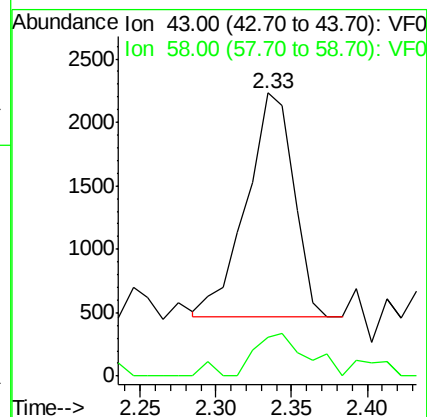
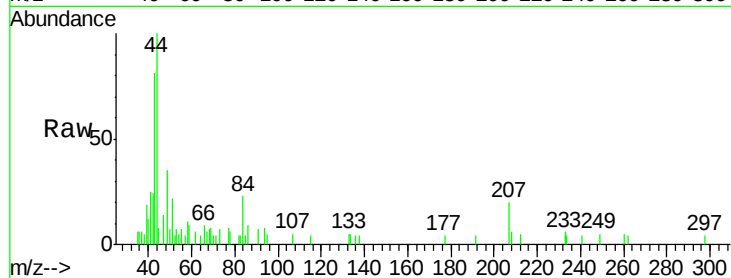
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 3818

Ion Ratio Lower Upper

43 100

58 13.6 14.4 21.6#



#18

Methyl Acetate

Concen: 5.639 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.04 min

Lab File: VF059198.D

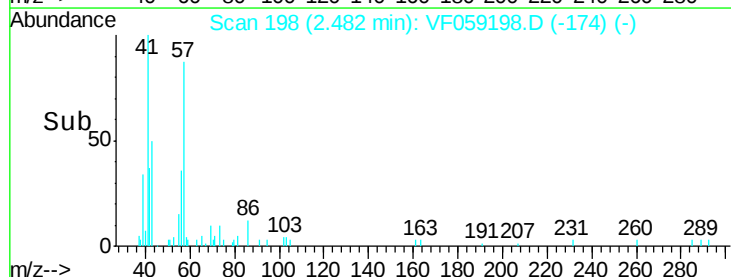
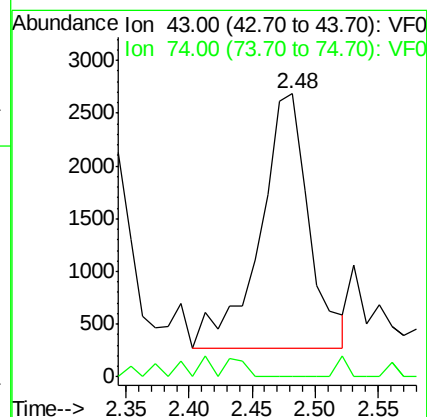
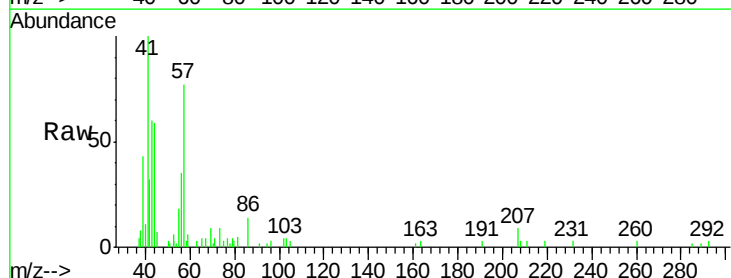
Acq: 19 Jun 2018 19:38

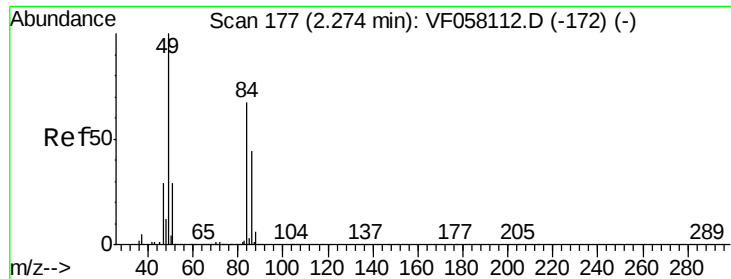
Tgt Ion: 43 Resp: 6613

Ion Ratio Lower Upper

43 100

74 0.0 10.9 16.3#

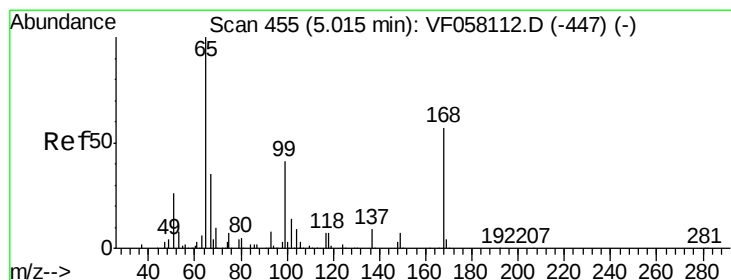
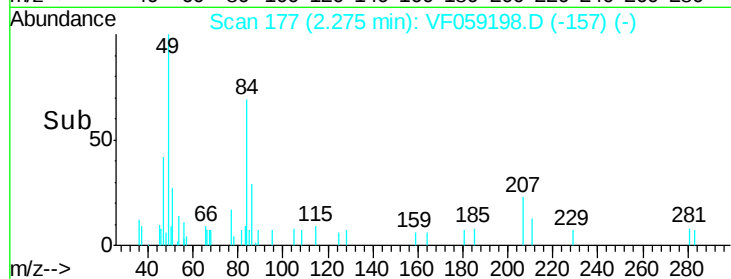
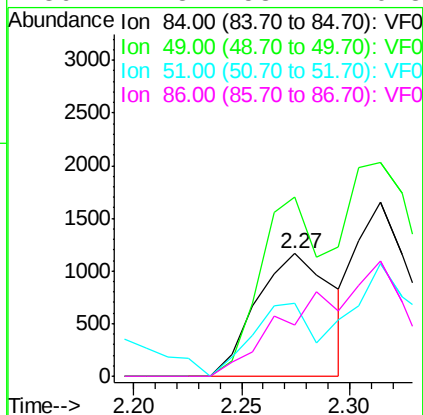
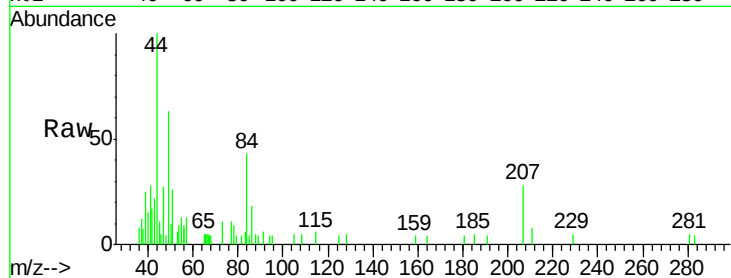




#20
Methylene Chloride
Concen: 1.741 ug/l
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059198.D
Acq: 19 Jun 2018 19:38

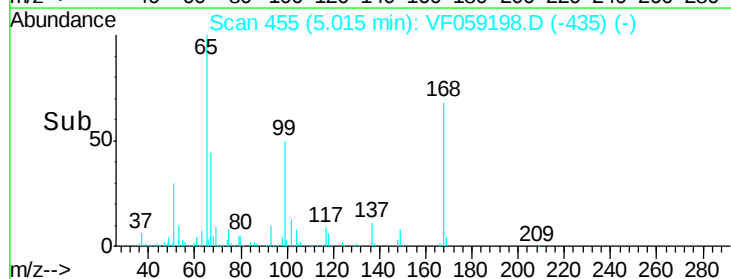
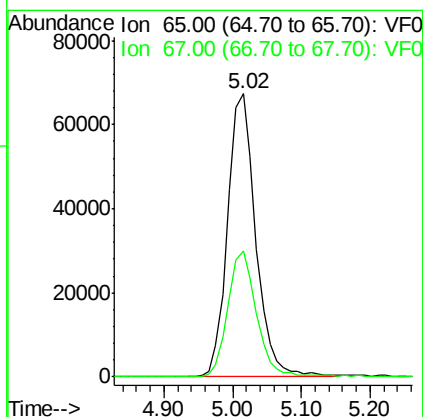
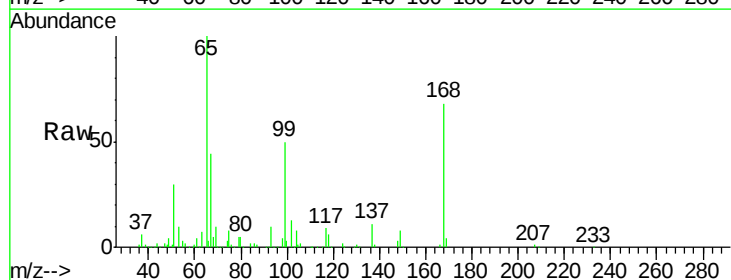
Instrument :
MSVOA_F
ClientSampleId :

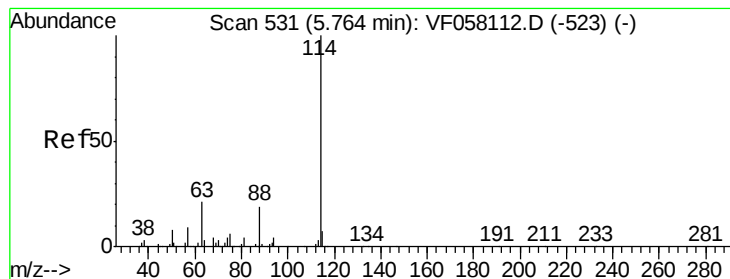
Tot Ion: 84 Resp: 2844
Ion Ratio Lower Upper
84 100
49 145.8 121.0 181.4
51 59.9 35.8 53.6#
86 41.8 53.2 79.8#



#33
1,2-Dichloroethane-d4
Concen: 66.848 ug/l
RT: 5.02 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF059198.D
Acq: 19 Jun 2018 19:38

Tgt Ion: 65 Resp: 191002
Ion Ratio Lower Upper
65 100
67 44.3 0.0 97.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059198.D

Acq: 19 Jun 2018 19:38

Instrument :

MSVOA_F

ClientSampleId :

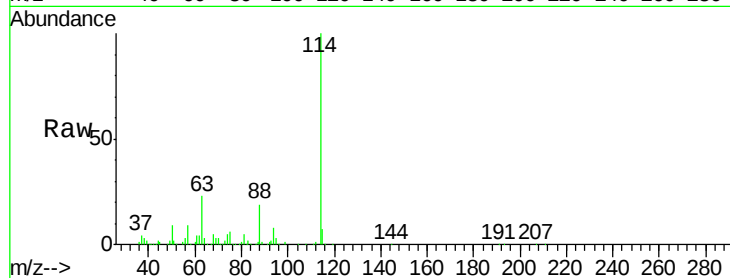
Tot Ion:114 Resp: 366040

Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.6

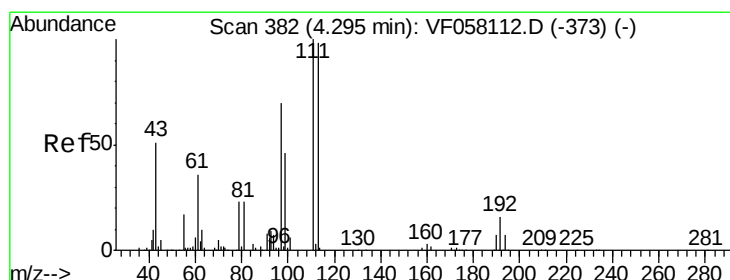
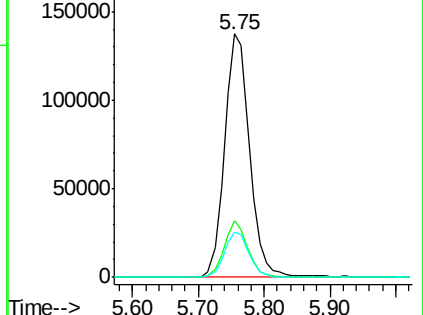
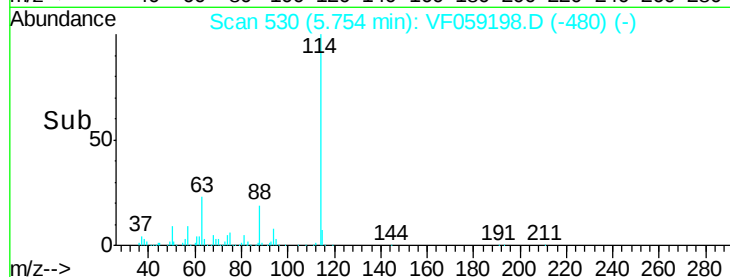
88 18.8 0.0 38.8



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: 60.401 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059198.D

Acq: 19 Jun 2018 19:38

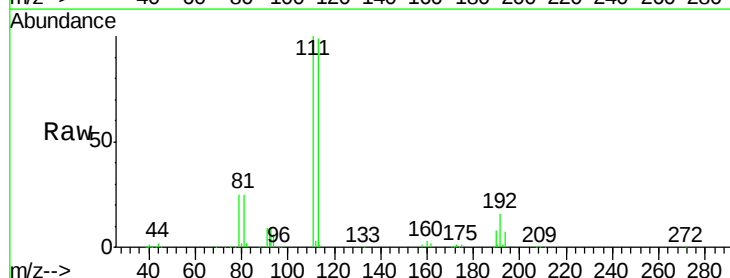
Tgt Ion:113 Resp: 155134

Ion Ratio Lower Upper

113 100

111 101.2 81.3 121.9

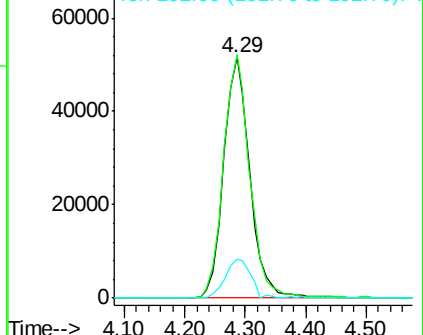
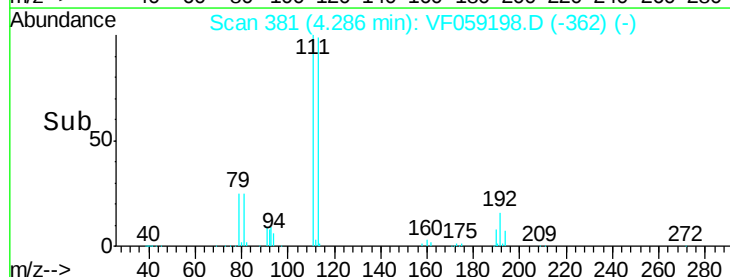
192 15.9 12.7 19.1

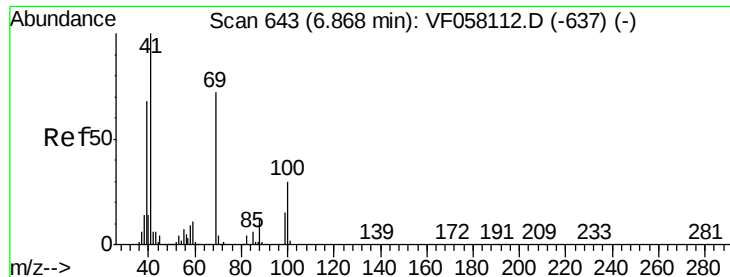


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

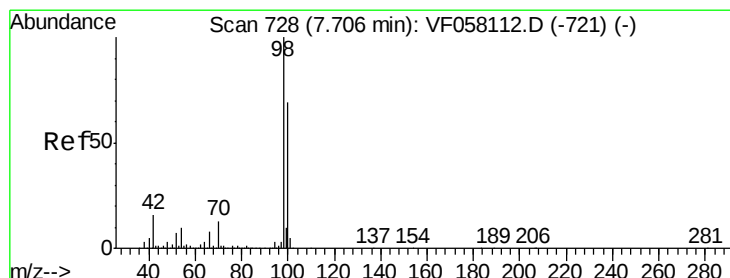
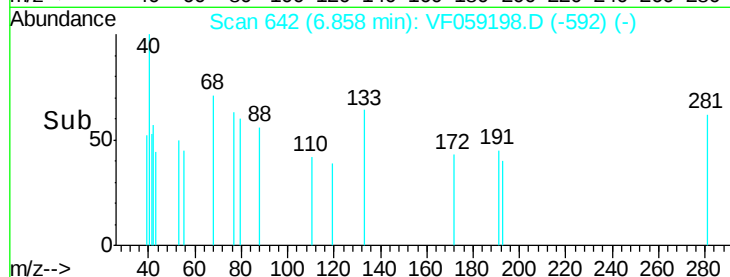
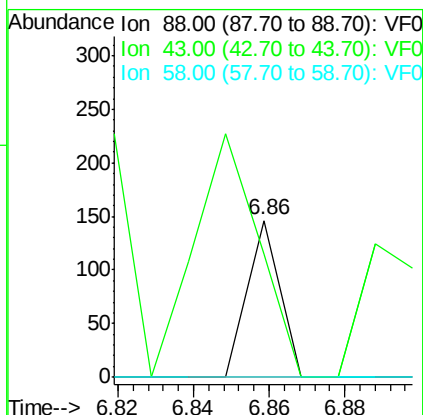
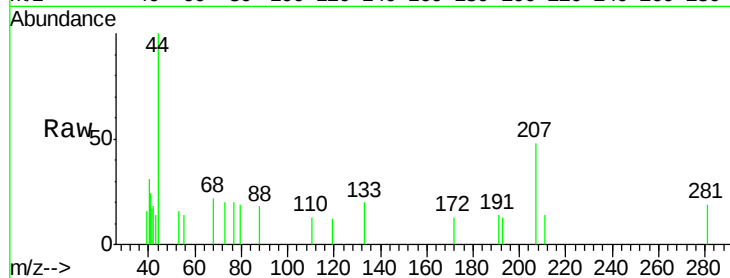




#49
1,4-Dioxane
Concen: 18.890 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059198.D
Acq: 19 Jun 2018 19:38

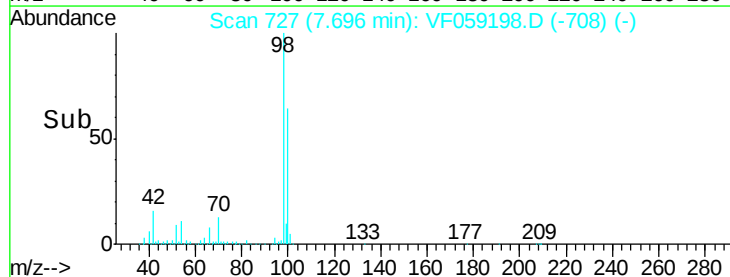
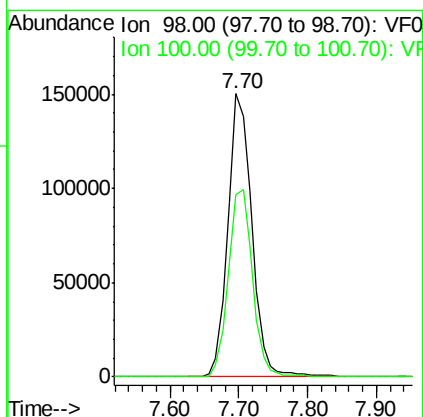
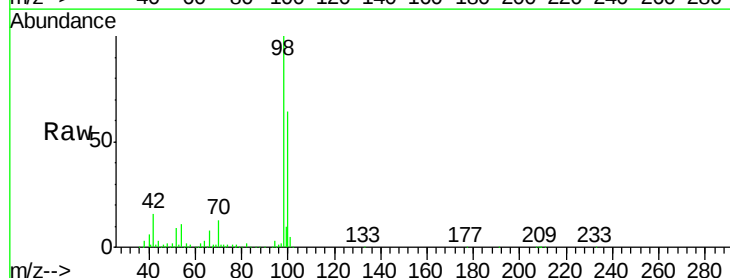
Instrument :
MSVOA_F
ClientSampleId :

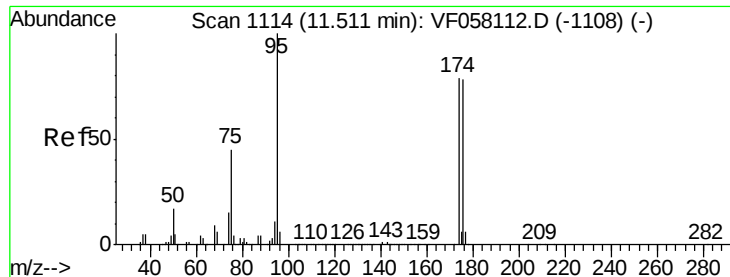
Tot Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 78.8 47.8 71.8#
58 0.0 59.4 89.0#



#50
Toluene-d8
Concen: 48.091 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059198.D
Acq: 19 Jun 2018 19:38

Tgt Ion: 98 Resp: 362870
Ion Ratio Lower Upper
98 100
100 64.4 55.6 83.4





#62

4-Bromofluorobenzene

Concen: 51.000 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059198.D

Acq: 19 Jun 2018 19:38

Instrument :

MSVOA_F

ClientSampleId :

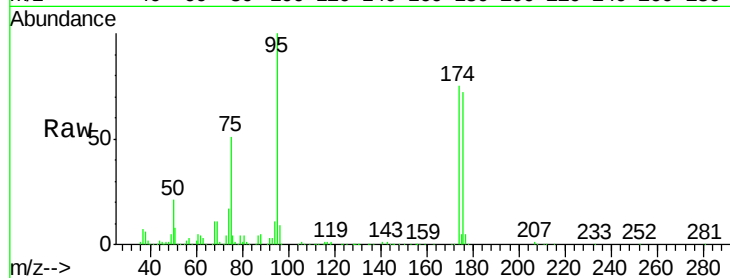
Tot Ion: 95 Resp: 197376

Ion Ratio Lower Upper

95 100

174 74.7 0.0 157.8

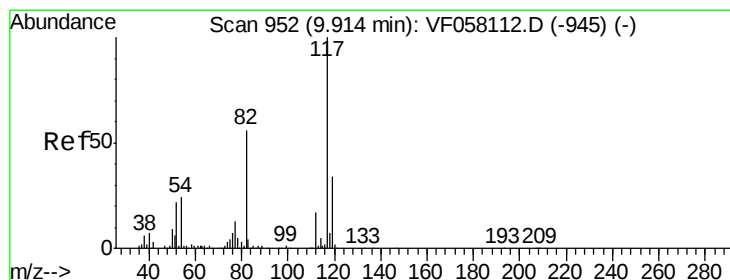
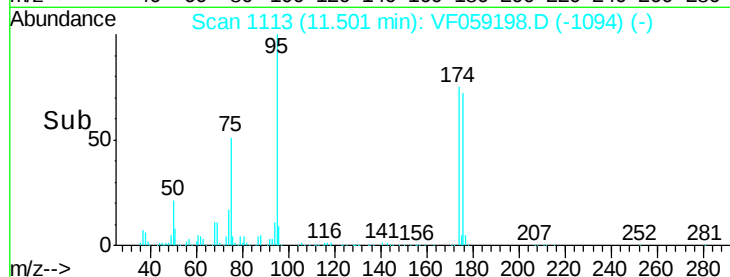
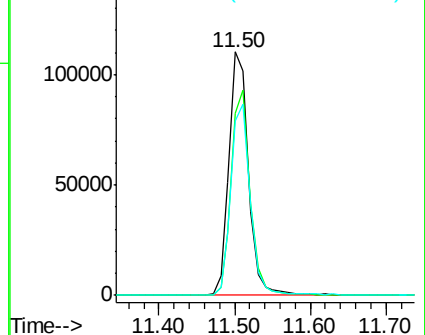
176 71.8 0.0 155.8



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: VF059198.D

Acq: 19 Jun 2018 19:38

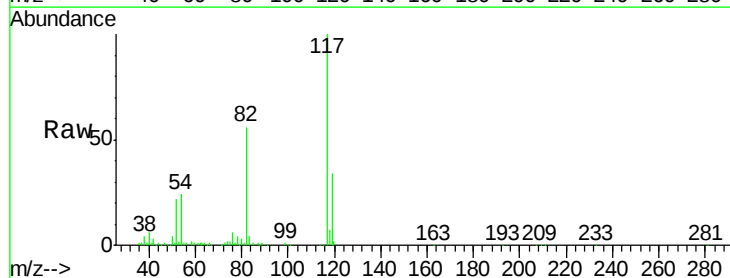
Tgt Ion: 117 Resp: 345689

Ion Ratio Lower Upper

117 100

82 56.3 45.2 67.8

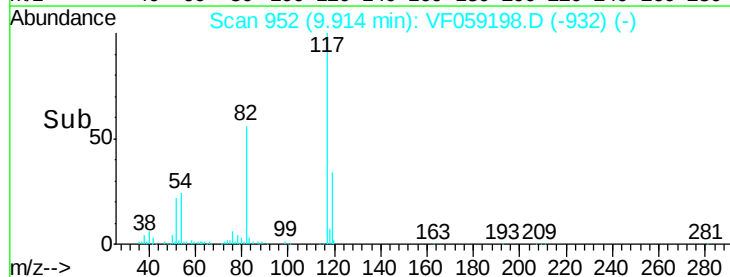
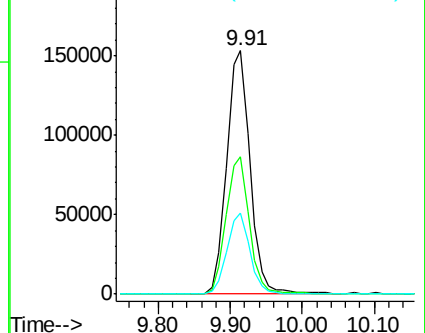
119 33.5 27.5 41.3

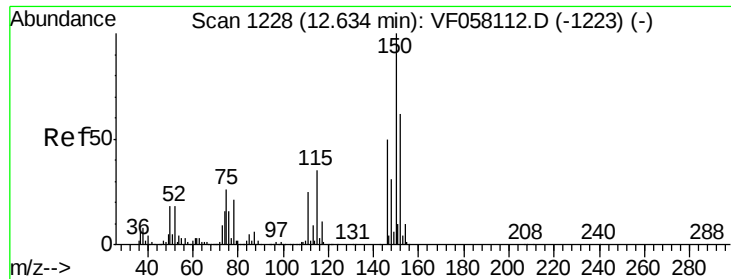


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



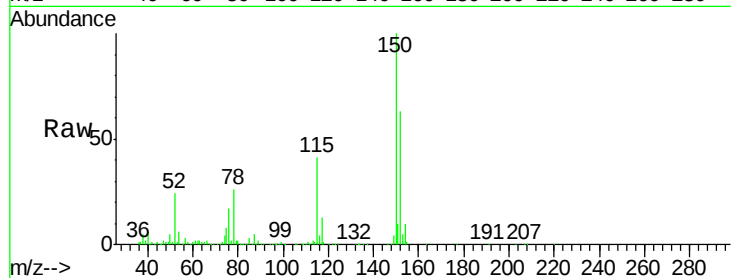


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059198.D
 Acq: 19 Jun 2018 19:38

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	64.7	28.5	85.5
150	159.6	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

