

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059197.D
 Acq On : 19 Jun 2018 19:10
 Operator : VA/AP
 Sample : J3554-02
 Misc : 6.88g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:04:43 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	246831	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	382337	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	366090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	204618	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	175070	58.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.96%	
35) Dibromofluoromethane	4.28	113	160624	59.87	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	119.74%	
50) Toluene-d8	7.70	98	377456	47.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	11.51	95	200605	49.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.26%	

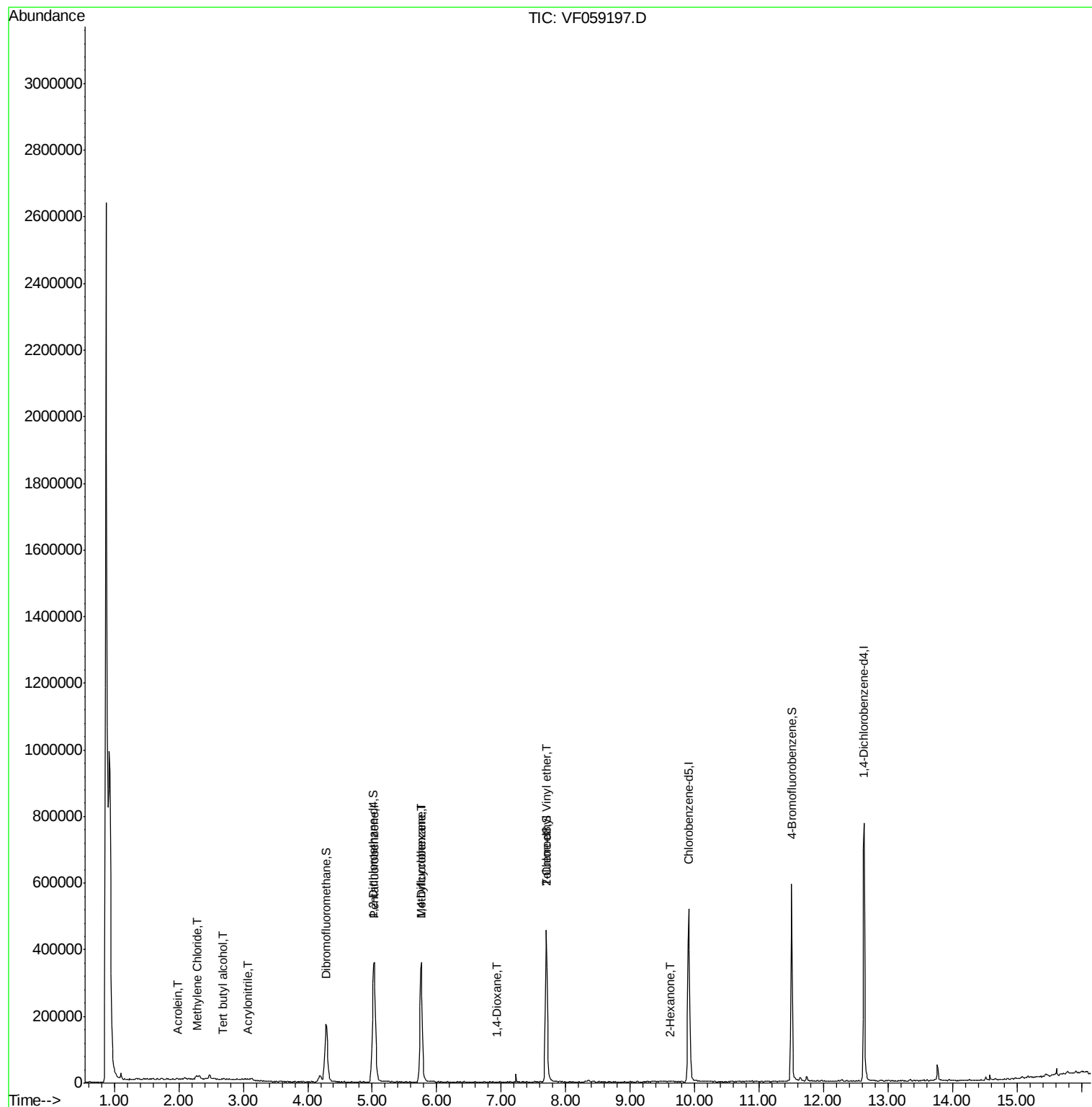
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	1078	5.620	ug/l #	29
13) Acrolein	1.99	56	424	2.554	ug/l	93
15) Acrylonitrile	3.07	53	570	1.496	ug/l #	51
20) Methylene Chloride	2.28	84	3866	2.259	ug/l	92
39) Methylcyclohexane	5.75	83	4732	1.253	ug/l #	35
49) 1,4-Dioxane	6.94	88	76	18.001	ug/l #	16
58) 2-Chloroethyl Vinyl ether	7.71	63	296	1.463	ug/l	100
59) 2-Hexanone	9.63	43	2359	1.419	ug/l #	58
89) n-Butylbenzene	12.92	91	571	Below Cal	#	20

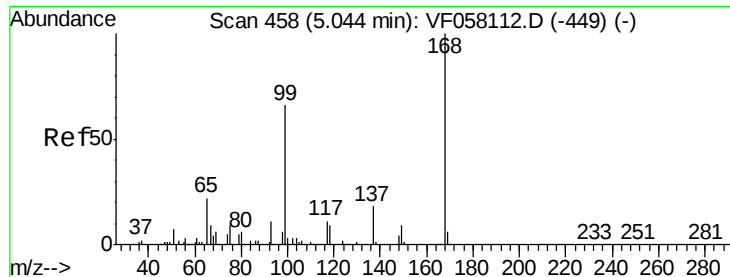
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 07 10:52:00 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059197.D

Acq: 19 Jun 2018 19:10

Instrument :

MSVOA_F

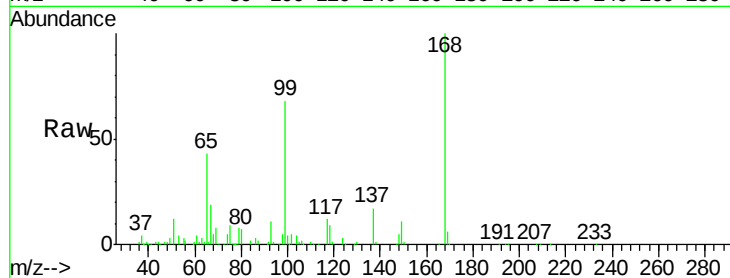
ClientSampleId :

Tot Ion:168 Resp: 246831

Ion Ratio Lower Upper

168 100

99 67.7 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

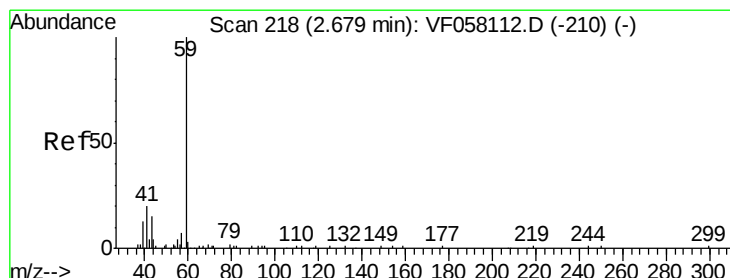
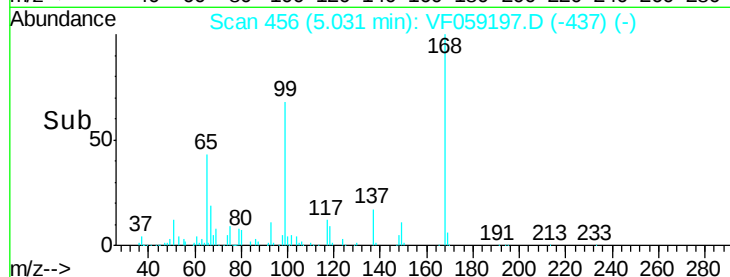
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 5.620 ug/l

RT: 2.68 min Scan# 217

Delta R.T. -0.00 min

Lab File: VF059197.D

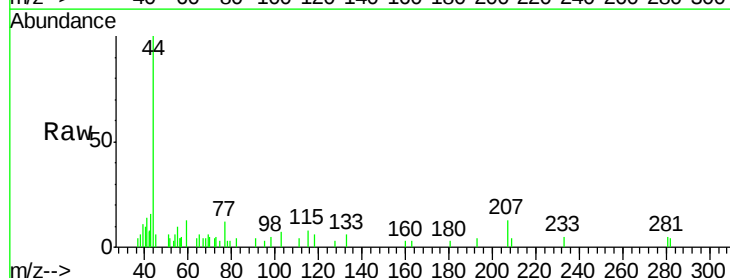
Acq: 19 Jun 2018 19:10

Tgt Ion: 59 Resp: 1078

Ion Ratio Lower Upper

59 100

57 37.9 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.68

400

300

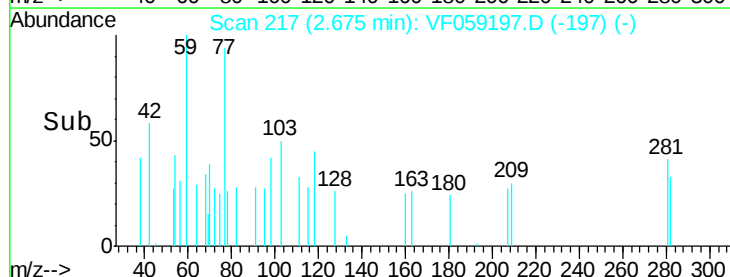
200

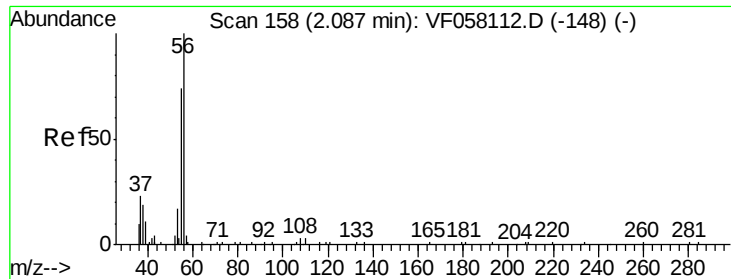
100

0

Time-->

2.65 2.70 2.75





#13

Acrolein

Concen: 2.554 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.09 min

Lab File: VF059197.D

Acq: 19 Jun 2018 19:10

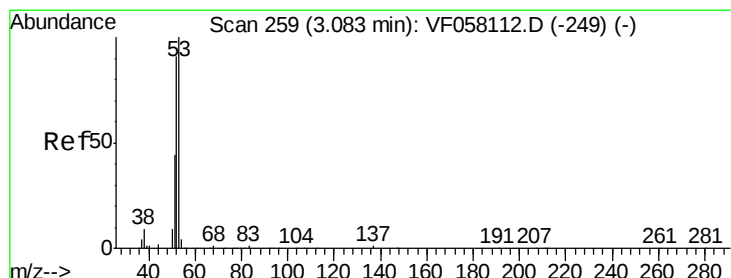
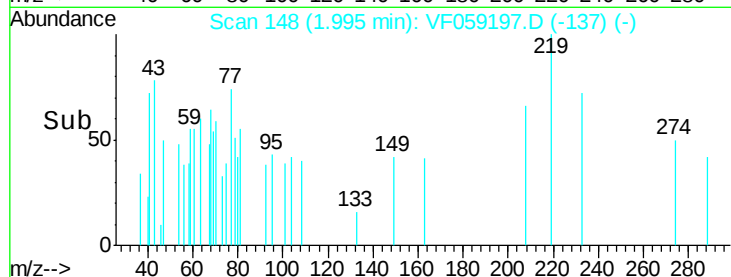
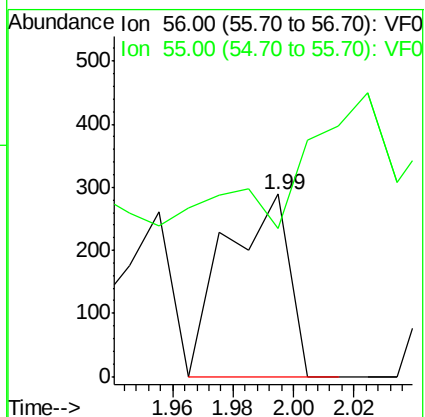
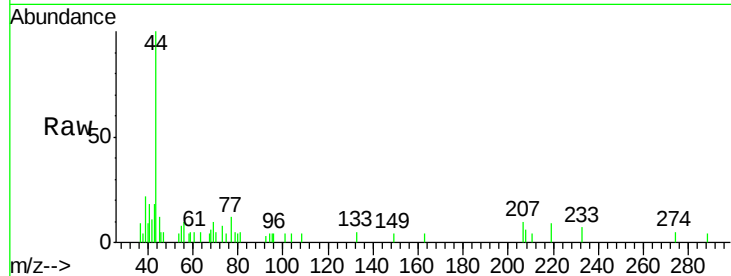
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 424

Ion Ratio Lower Upper

56 100

55 81.0 60.0 90.0



#15

Acrylonitrile

Concen: 1.496 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059197.D

Acq: 19 Jun 2018 19:10

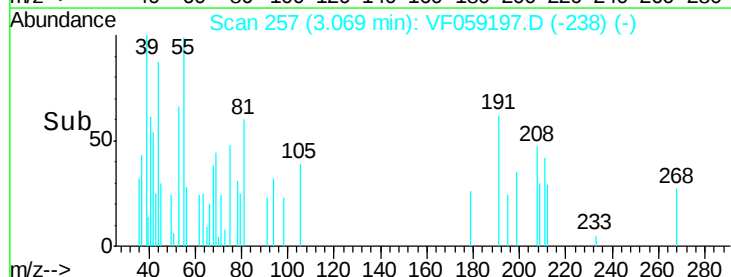
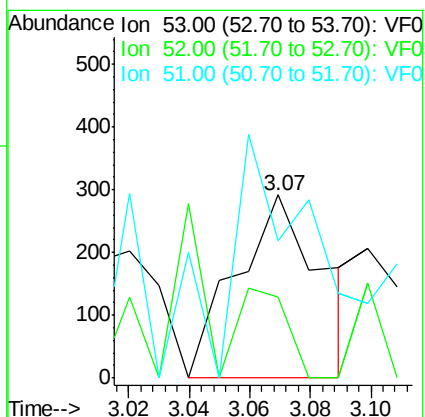
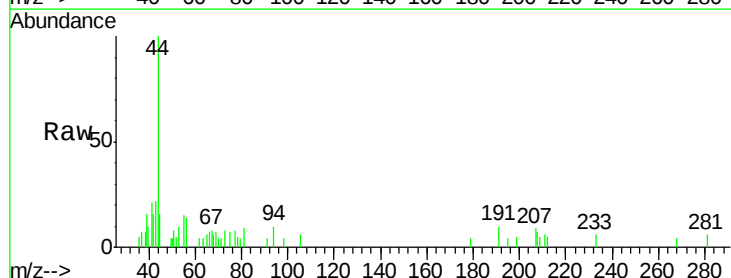
Tgt Ion: 53 Resp: 570

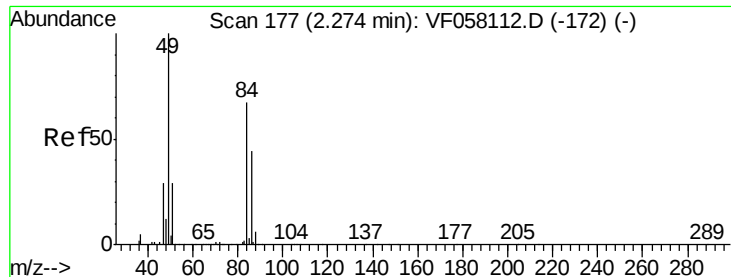
Ion Ratio Lower Upper

53 100

52 43.8 73.2 109.8#

51 75.0 35.6 53.4#

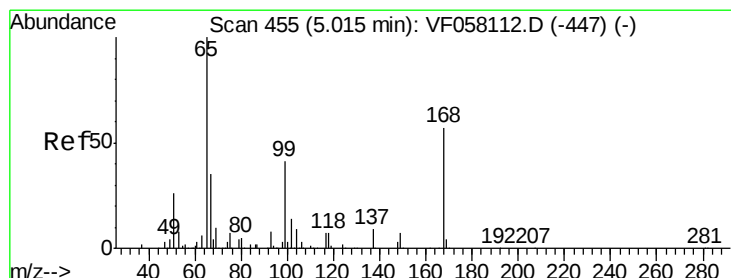
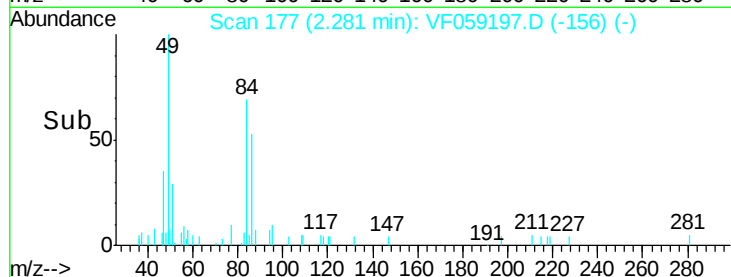
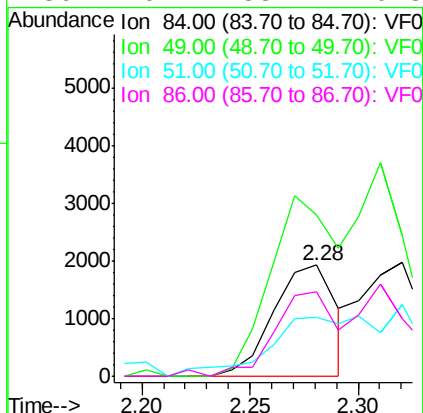
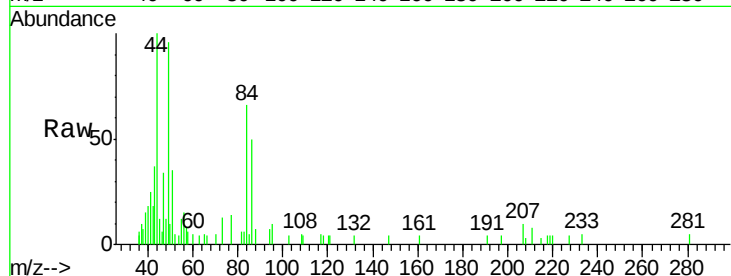




#20
Methvlene Chloride
Concen: 2.259 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059197.D
Acq: 19 Jun 2018 19:10

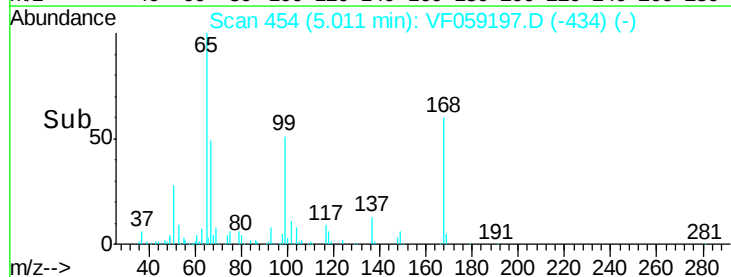
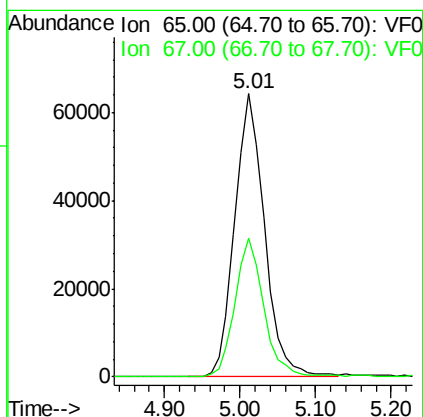
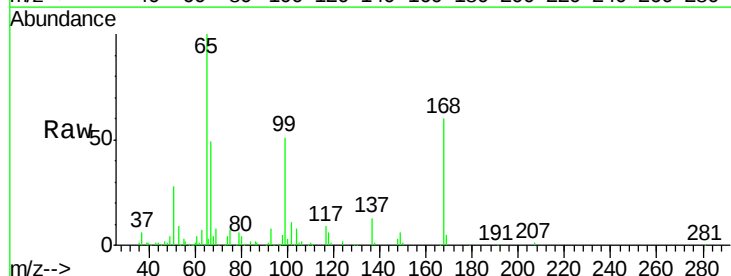
Instrument :
MSVOA_F
ClientSampleId :

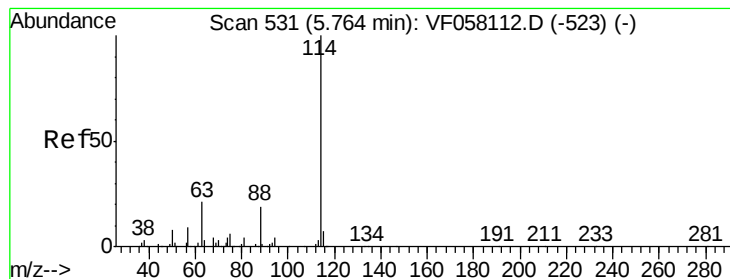
Tot Ion:	84	Resp:	3866
Ion	Ratio	Lower	Upper
84	100		
49	144.8	121.0	181.4
51	52.8	35.8	53.6
86	76.2	53.2	79.8



#33
1,2-Dichloroethane-d4
Concen: 58.482 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.00 min
Lab File: VF059197.D
Acq: 19 Jun 2018 19:10

Tgt Ion:	65	Resp:	175070
Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	97.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059197.D

Acq: 19 Jun 2018 19:10

Instrument :

MSVOA_F

ClientSampleId :

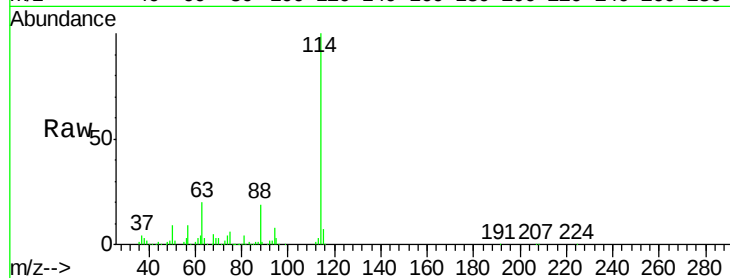
Tot Ion:114 Resp: 382337

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.6

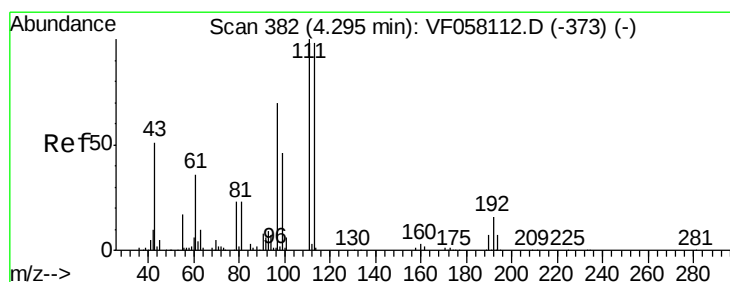
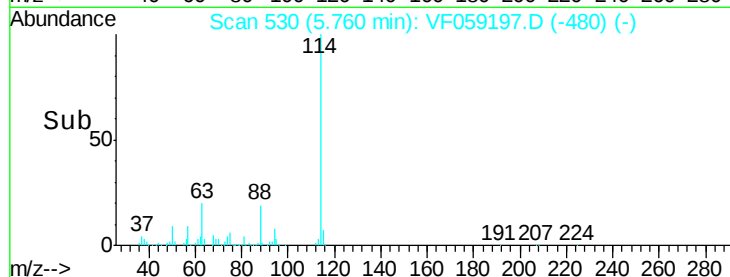
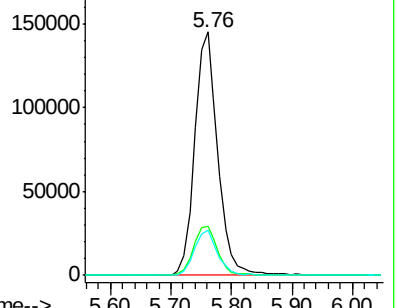
88 18.8 0.0 38.8



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: 59.873 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059197.D

Acq: 19 Jun 2018 19:10

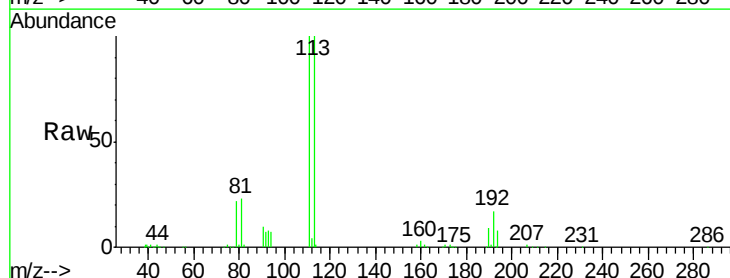
Tgt Ion:113 Resp: 160624

Ion Ratio Lower Upper

113 100

111 100.4 81.3 121.9

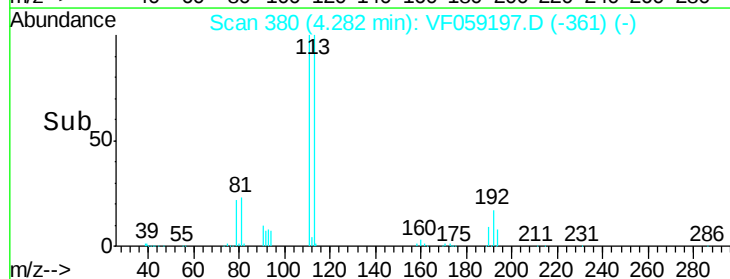
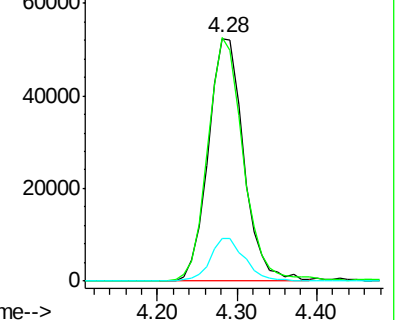
192 17.5 12.7 19.1

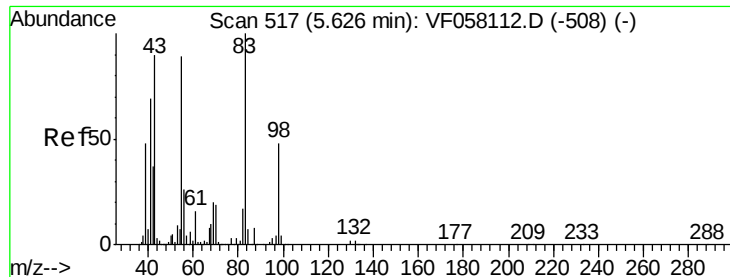


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

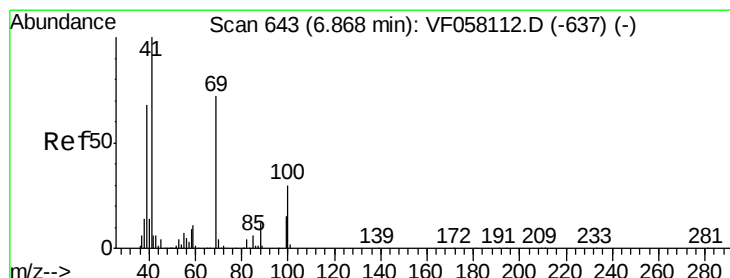
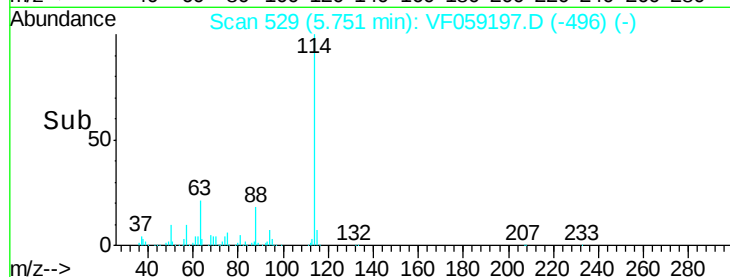
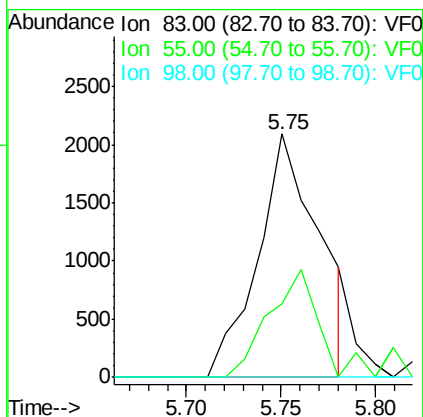
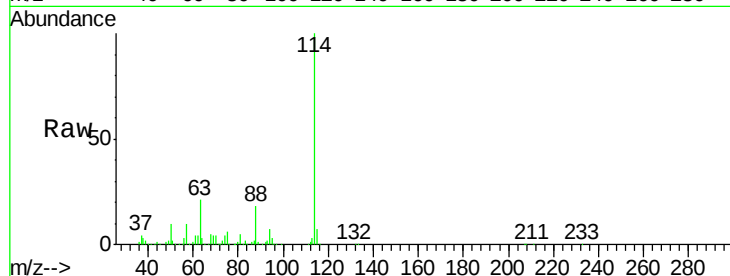




#39
Methvlcvclohexane
Concen: 1.253 ug/l
RT: 5.75 min Scan# 529
Delta R.T. 0.12 min
Lab File: VF059197.D
Acq: 19 Jun 2018 19:10

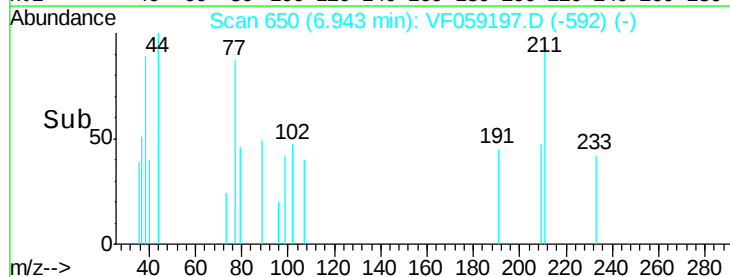
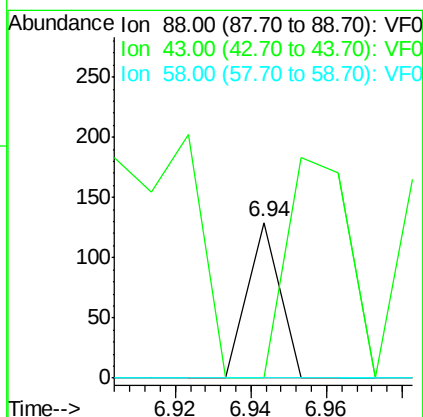
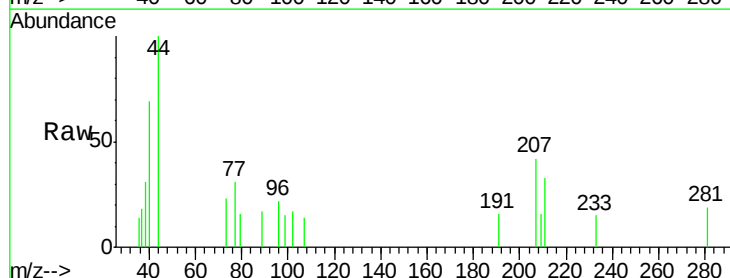
Instrument :
MSVOA_F
ClientSampled :

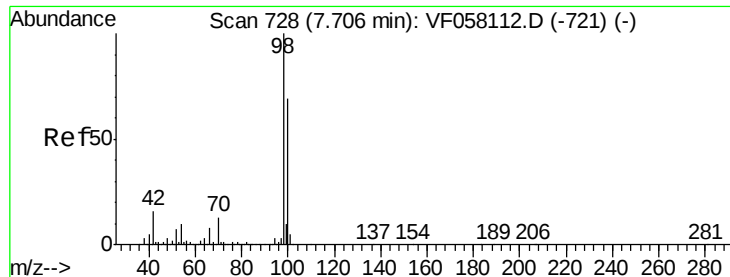
Tot Ion: 83 Resp: 4732
Ion Ratio Lower Upper
83 100
55 30.2 71.0 106.4#
98 0.0 38.1 57.1#



#49
1,4-Dioxane
Concen: 18.001 ug/l
RT: 6.94 min Scan# 650
Delta R.T. 0.08 min
Lab File: VF059197.D
Acq: 19 Jun 2018 19:10

Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 0.0 47.8 71.8#
58 0.0 59.4 89.0#





#50

Toluene-d8

Concen: 47.892 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059197.D

Acq: 19 Jun 2018 19:10

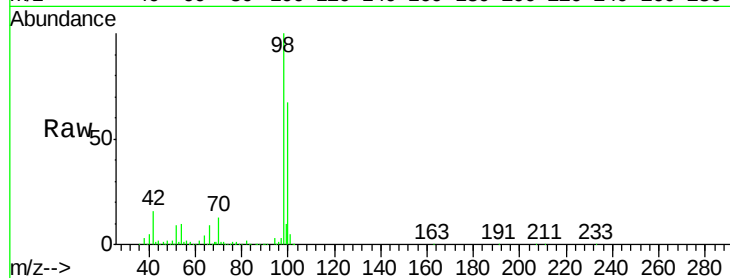
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 377456

Ion Ratio Lower Upper

98 100

100 67.2 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.70

150000

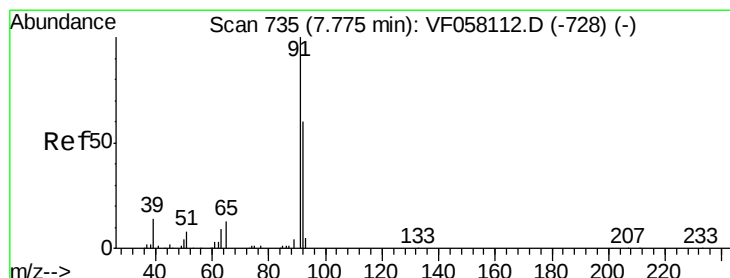
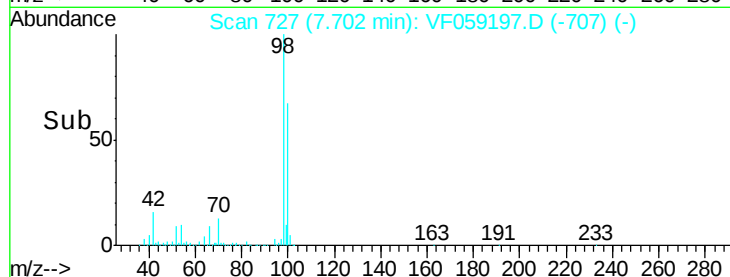
100000

50000

0

Time-->

7.60 7.70 7.80 7.90



#58

2-Chloroethyl Vinyl ether

Concen: 1.463 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.06 min

Lab File: VF059197.D

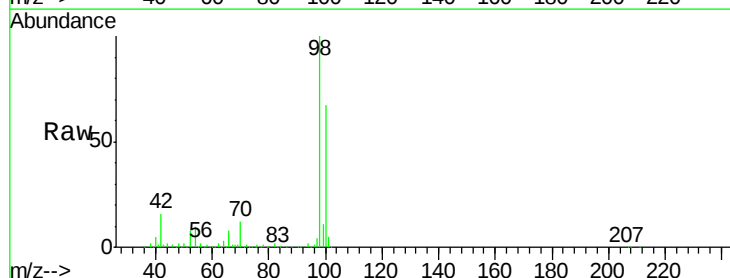
Acq: 19 Jun 2018 19:10

Tgt Ion: 63 Resp: 296

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

7.71

250

200

150

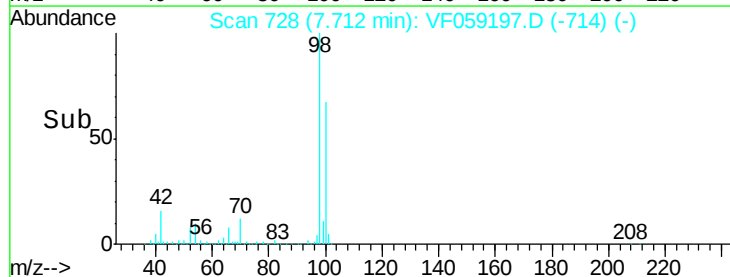
100

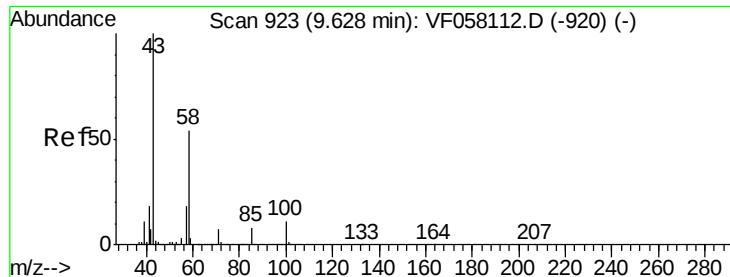
50

0

Time-->

7.65 7.70 7.75

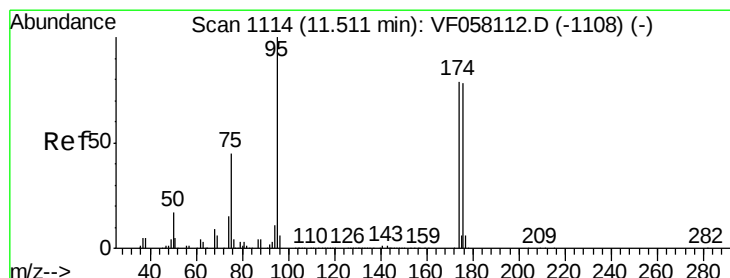
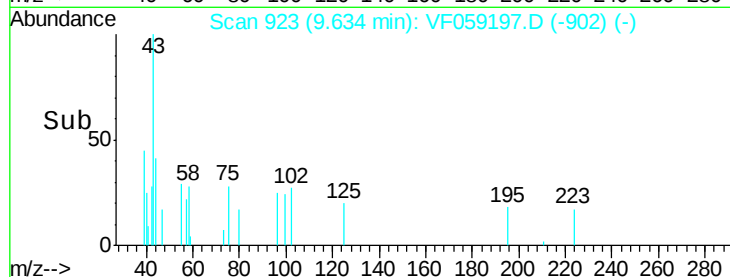
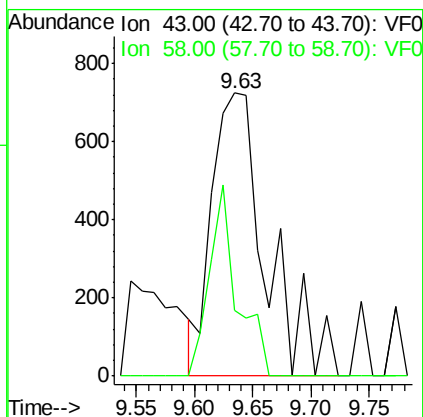
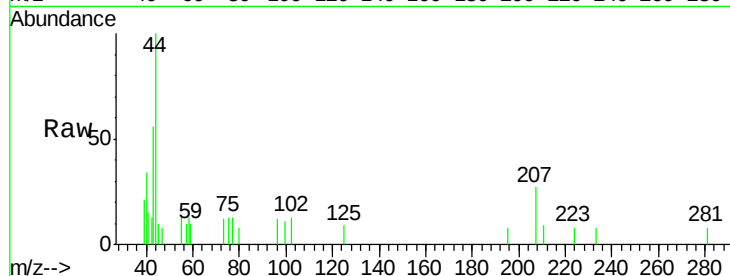




#59
2-Hexanone
Concen: 1.419 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059197.D
Acq: 19 Jun 2018 19:10

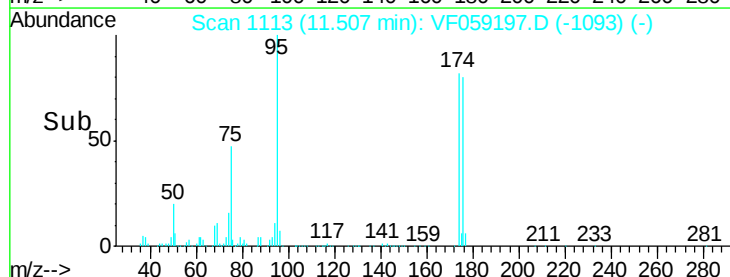
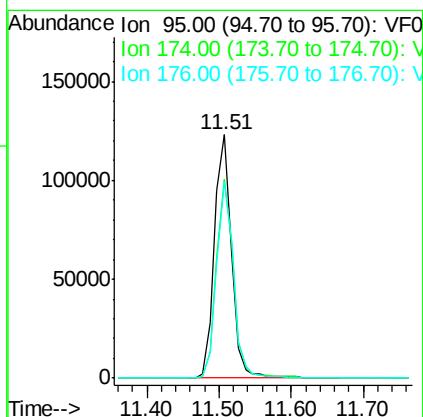
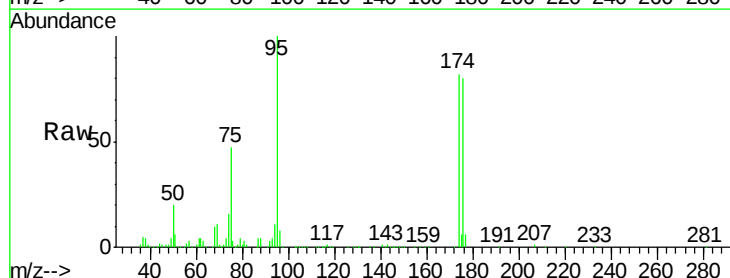
Instrument :
MSVOA_F
ClientSampleId :

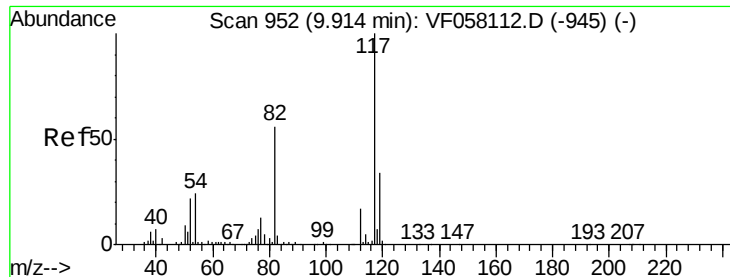
Tot Ion: 43 Resp: 2359
Ion Ratio Lower Upper
43 100
58 23.1 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 49.625 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059197.D
Acq: 19 Jun 2018 19:10

Tgt Ion: 95 Resp: 200605
Ion Ratio Lower Upper
95 100
174 81.8 0.0 157.8
176 80.4 0.0 155.8

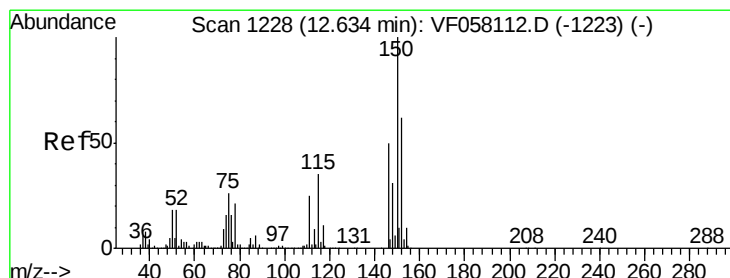
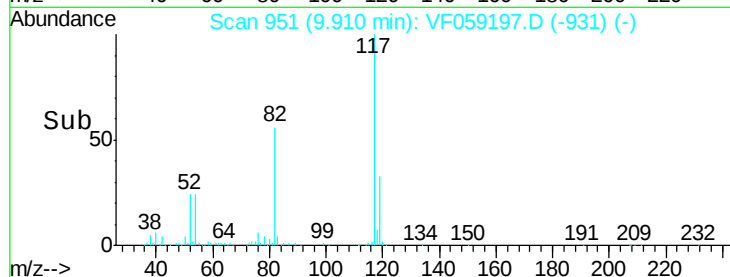
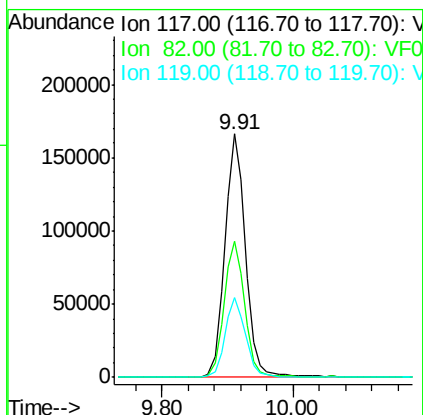
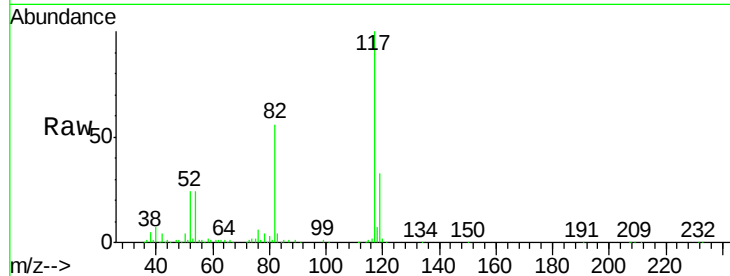




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059197.D
Acq: 19 Jun 2018 19:10

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.2	67.8
119	32.7	27.5	41.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059197.D
Acq: 19 Jun 2018 19:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.5	85.5
150	150.0	0.0	323.8

