

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059196.D
 Acq On : 19 Jun 2018 18:43
 Operator : VA/AP
 Sample : J3554-01
 Misc : 5.32g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:04:21 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

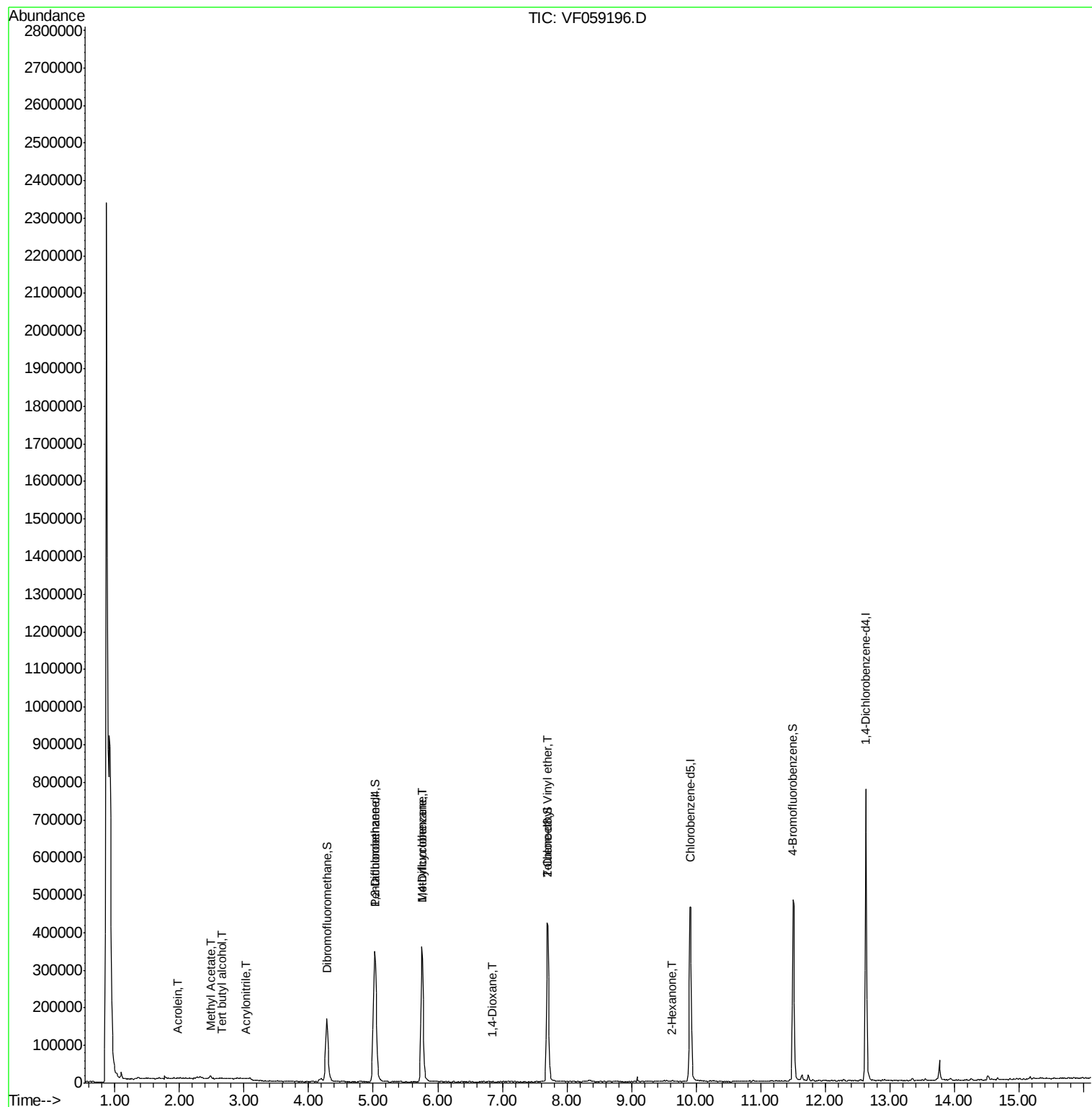
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	242813	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	385564	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	349335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	201344	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	177309	60.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.42%	
35) Dibromofluoromethane	4.29	113	152149	56.24	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	112.48%	
50) Toluene-d8	7.71	98	363590	45.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.50%	
62) 4-Bromofluorobenzene	11.50	95	184334	45.22	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	90.44%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.66	59	971	5.146	ug/l #	71
13) Acrolein	1.96	56	418	2.559	ug/l	93
15) Acrylonitrile	3.04	53	1764	4.707	ug/l #	30
18) Methyl Acetate	2.48	43	3279	2.713	ug/l #	66
39) Methylcyclohexane	5.75	83	4028	1.057	ug/l #	59
49) 1,4-Dioxane	6.85	88	71	17.641	ug/l #	19
58) 2-Chloroethyl Vinyl ether	7.71	63	614	3.009	ug/l	100
59) 2-Hexanone	9.63	43	3964	2.364	ug/l	93
89) n-Butylbenzene	12.92	91	1608	Below Cal	#	57

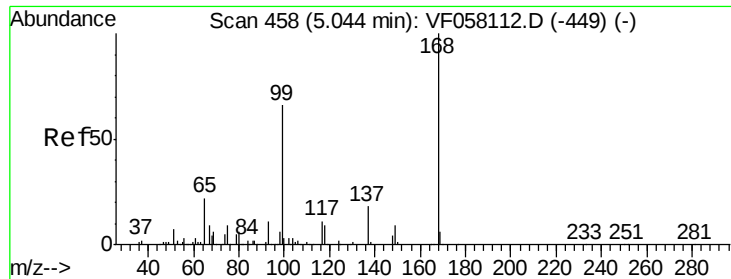
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059196.D

Acq: 19 Jun 2018 18:43

Instrument :

MSVOA_F

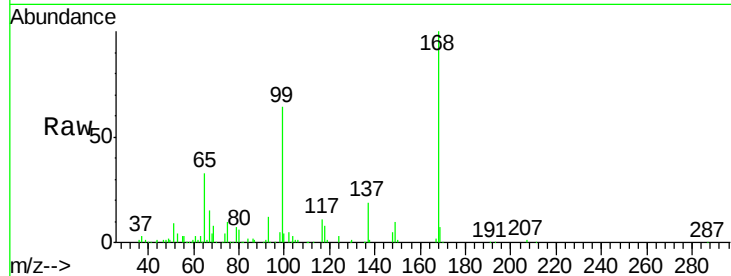
ClientSampleId :

Tot Ion:168 Resp: 242813

Ion Ratio Lower Upper

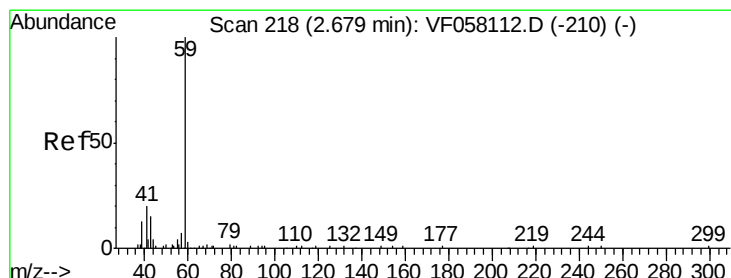
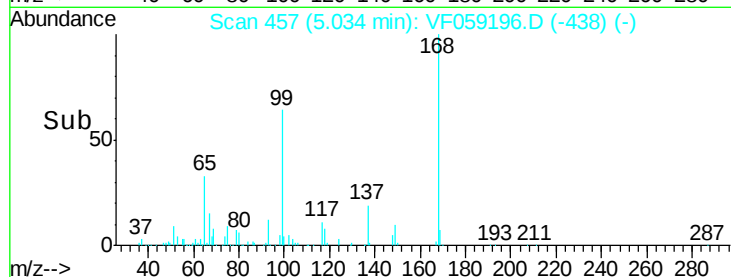
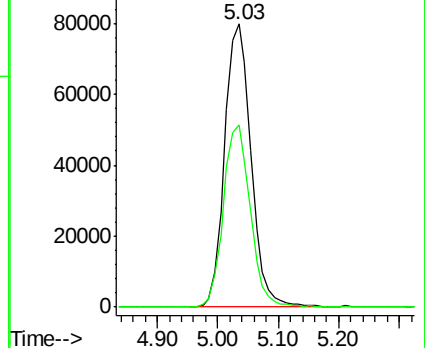
168 100

99 64.2 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 5.146 ug/l

RT: 2.66 min Scan# 216

Delta R.T. -0.02 min

Lab File: VF059196.D

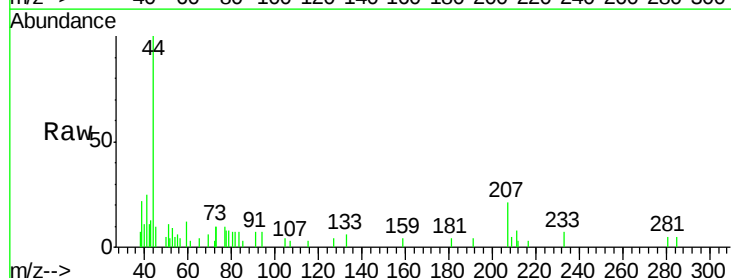
Acq: 19 Jun 2018 18:43

Tgt Ion: 59 Resp: 971

Ion Ratio Lower Upper

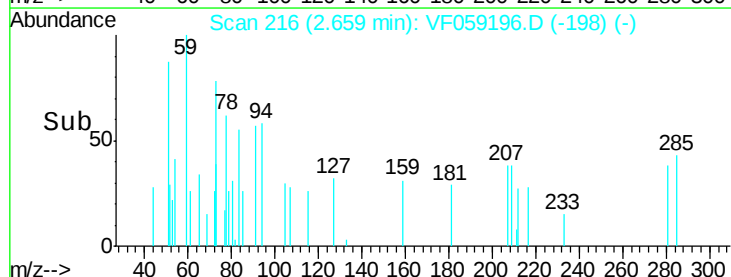
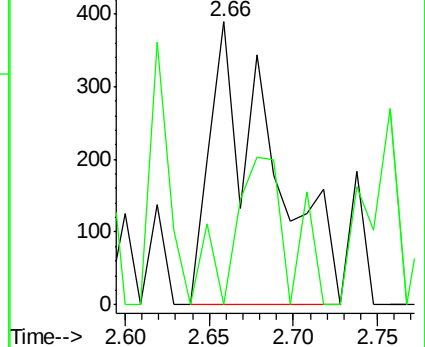
59 100

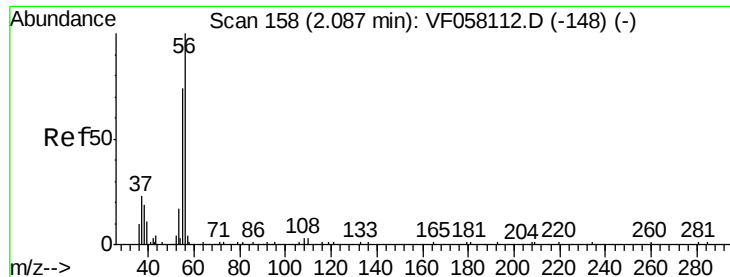
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 2.559 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.13 min

Lab File: VF059196.D

Acq: 19 Jun 2018 18:43

Instrument :

MSVOA_F

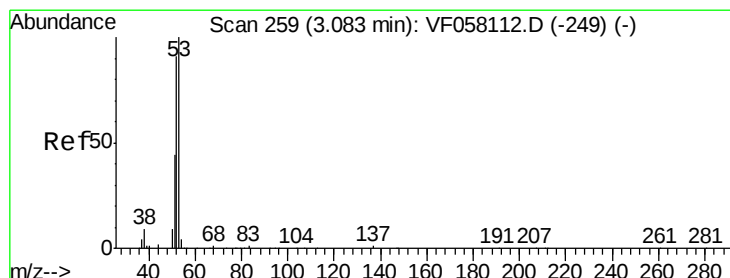
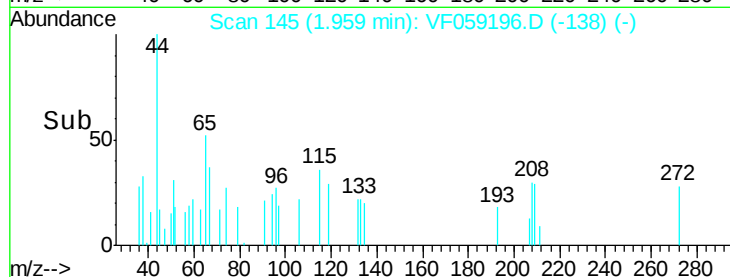
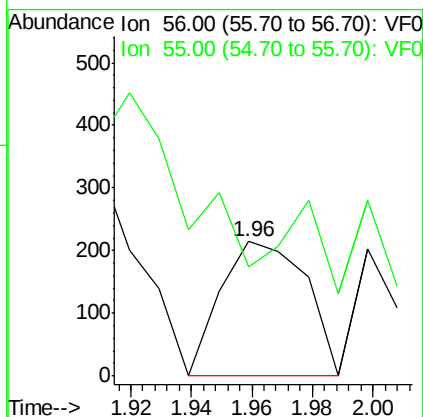
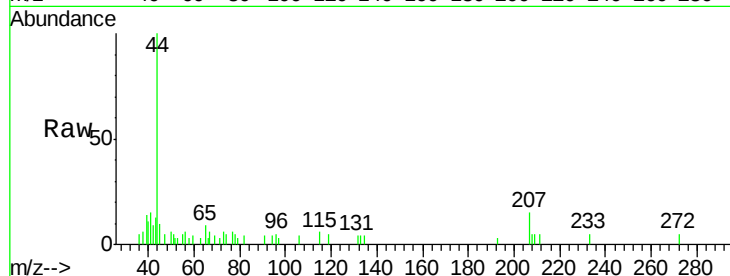
ClientSampled :

Tot Ion: 56 Resp: 418

Ion Ratio Lower Upper

56 100

55 81.3 60.0 90.0



#15

Acrylonitrile

Concen: 4.707 ug/l

RT: 3.04 min Scan# 255

Delta R.T. -0.04 min

Lab File: VF059196.D

Acq: 19 Jun 2018 18:43

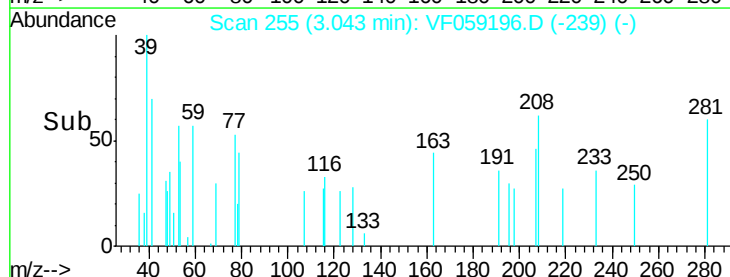
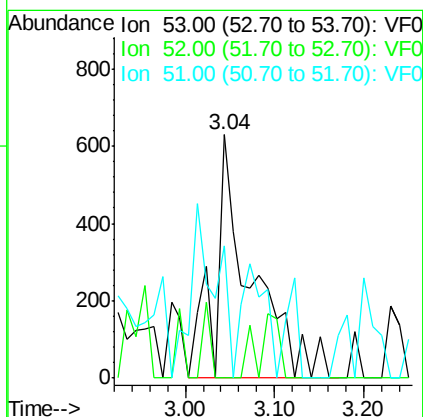
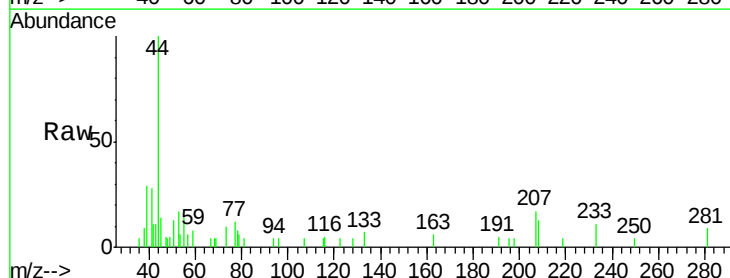
Tgt Ion: 53 Resp: 1764

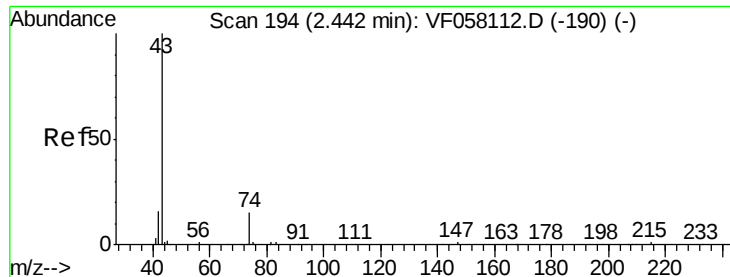
Ion Ratio Lower Upper

53 100

52 0.0 73.2 109.8#

51 54.4 35.6 53.4#

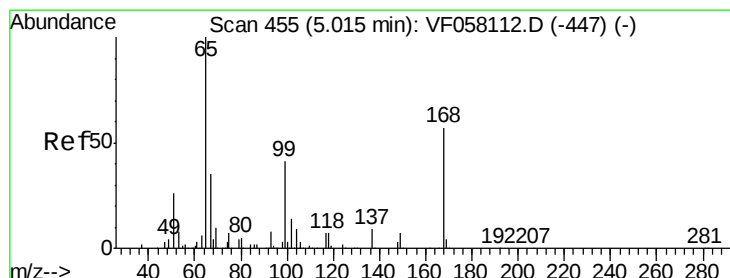
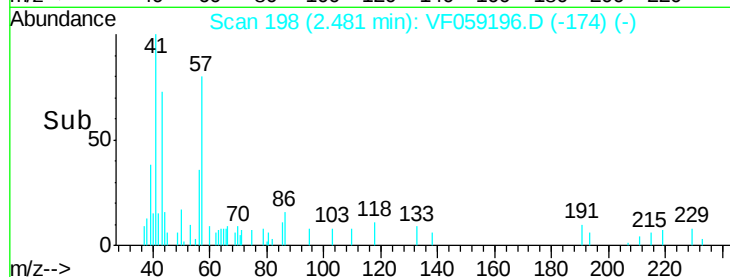
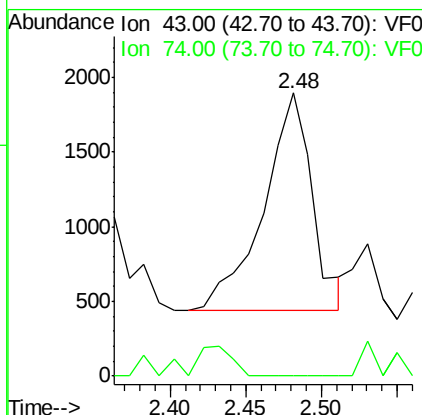
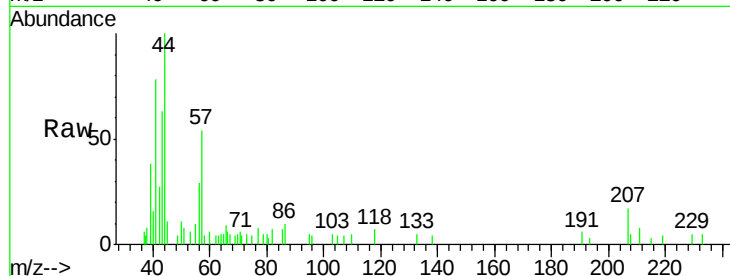




#18
Methvl Acetate
Concen: 2.713 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF059196.D
Acq: 19 Jun 2018 18:43

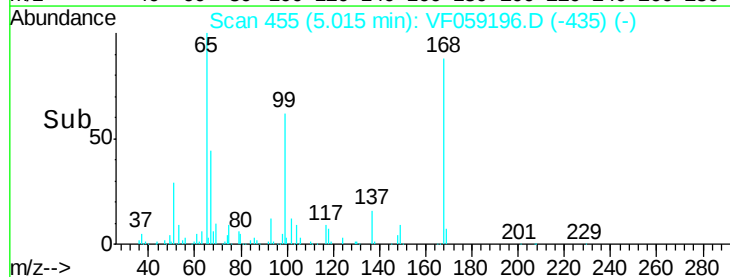
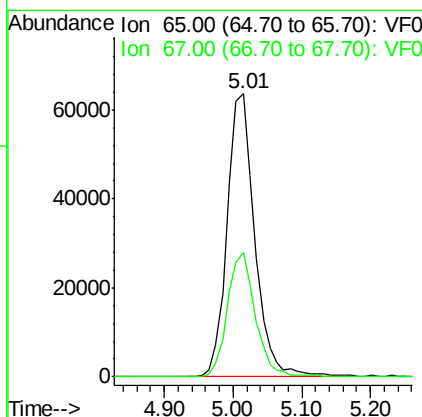
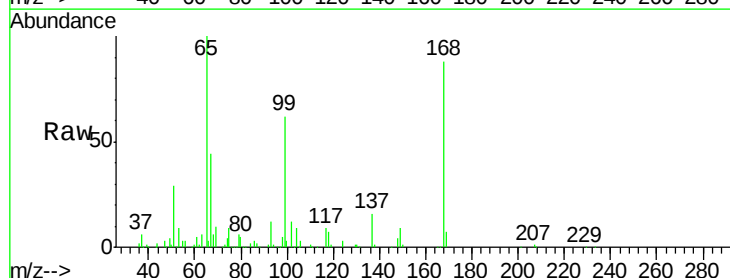
Instrument :
MSVOA_F
ClientSampleId :

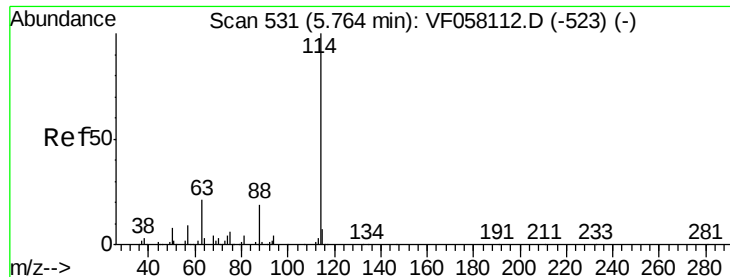
Tot Ion: 43 Resp: 3279
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#



#33
1,2-Dichloroethane-d4
Concen: 60.210 ug/l
RT: 5.01 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF059196.D
Acq: 19 Jun 2018 18:43

Tgt Ion: 65 Resp: 177309
Ion Ratio Lower Upper
65 100
67 43.9 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: VF059196.D

Acq: 19 Jun 2018 18:43

Instrument :

MSVOA_F

ClientSampleId :

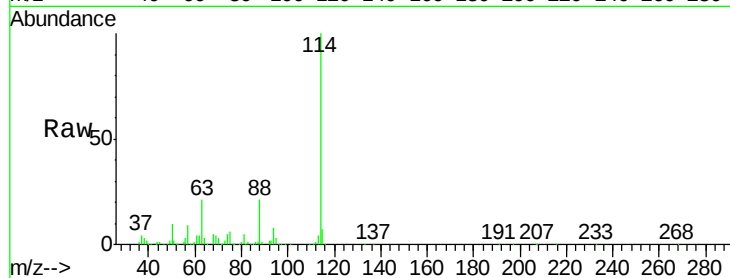
Tot Ion:114 Resp: 385564

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.6

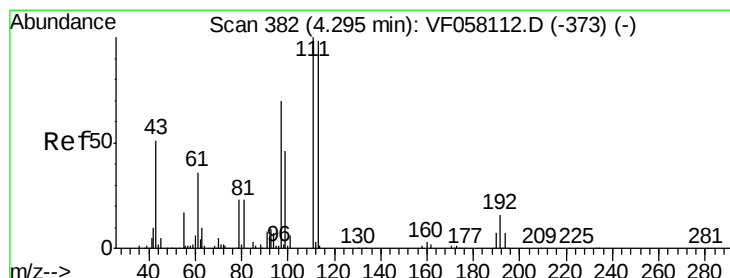
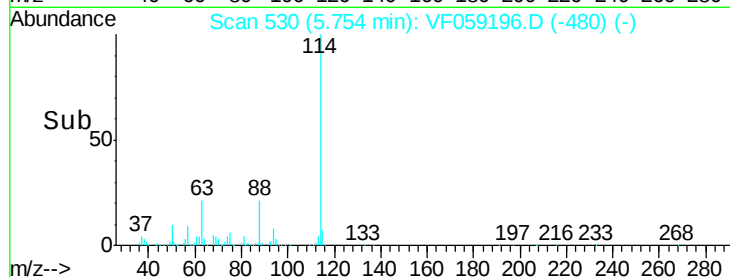
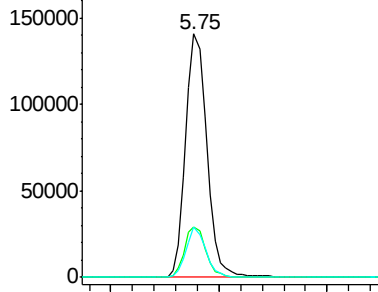
88 20.6 0.0 38.8



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: 56.239 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059196.D

Acq: 19 Jun 2018 18:43

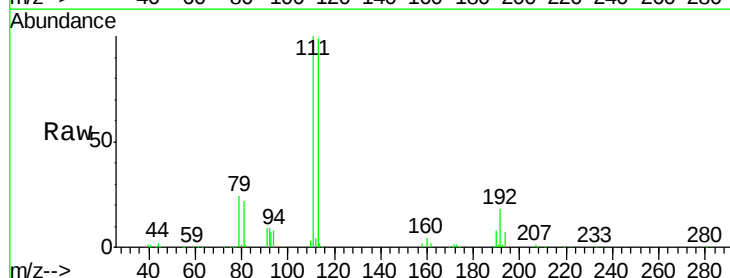
Tgt Ion:113 Resp: 152149

Ion Ratio Lower Upper

113 100

111 101.0 81.3 121.9

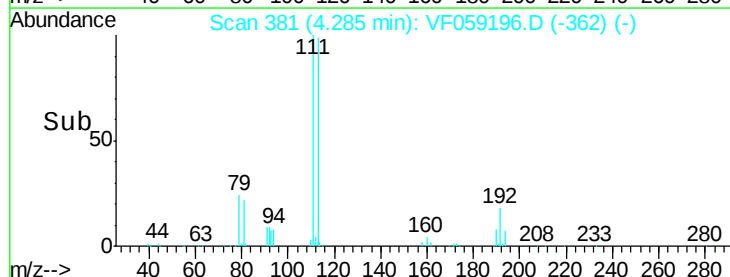
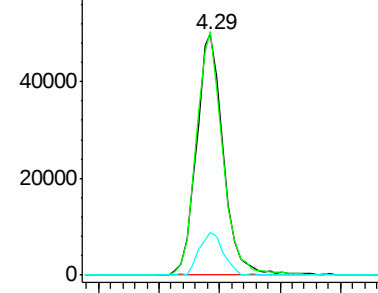
192 17.9 12.7 19.1

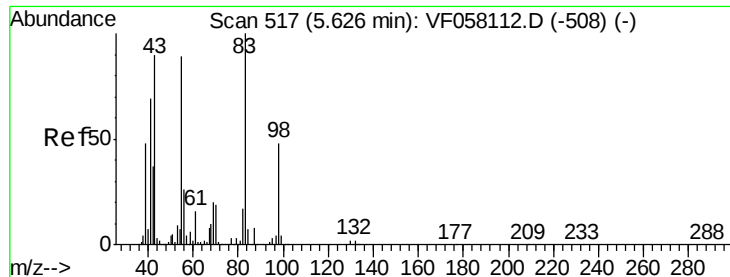


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

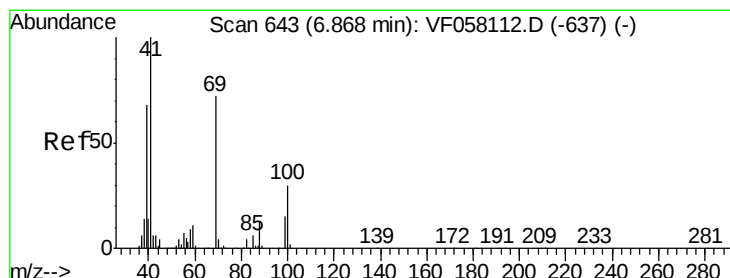
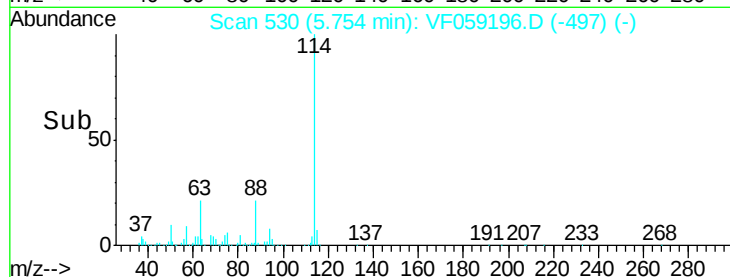
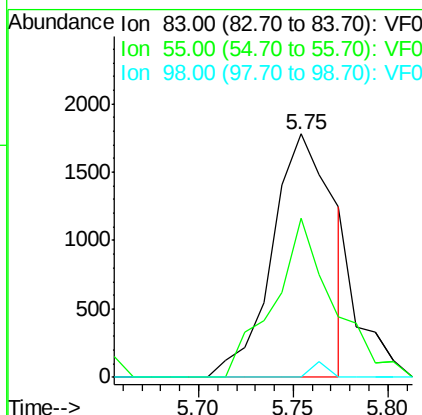
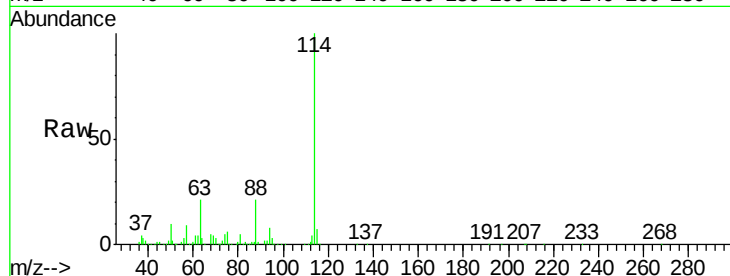




#39
Methylcyclohexane
Concen: 1.057 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.13 min
Lab File: VF059196.D
Acq: 19 Jun 2018 18:43

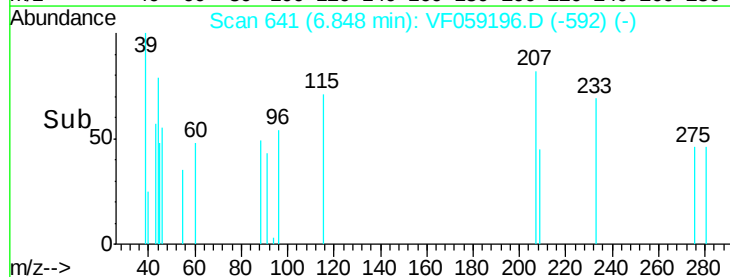
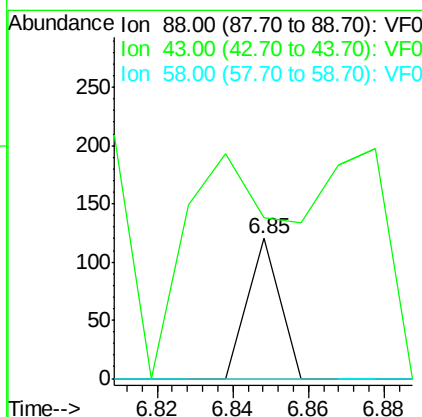
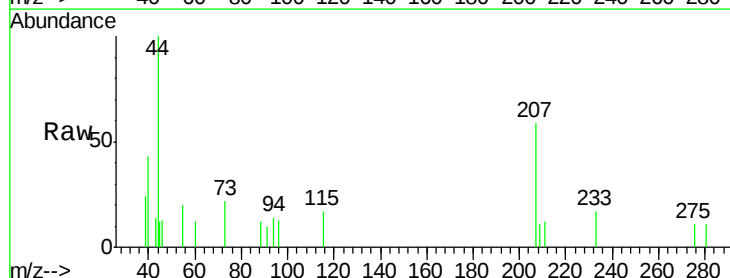
Instrument :
MSVOA_F
ClientSampleId :

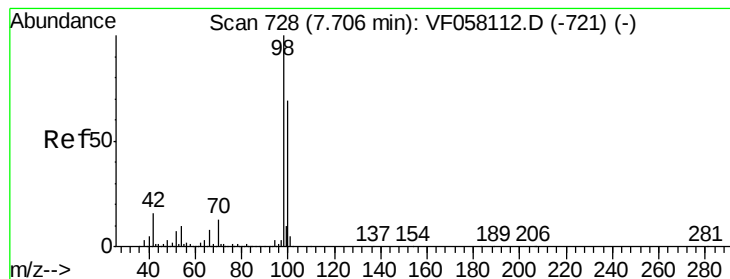
Tot Ion: 83 Resp: 4028
Ion Ratio Lower Upper
83 100
55 65.3 71.0 106.4#
98 0.0 38.1 57.1#



#49
1,4-Dioxane
Concen: 17.641 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.02 min
Lab File: VF059196.D
Acq: 19 Jun 2018 18:43

Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 115.0 47.8 71.8#
58 0.0 59.4 89.0#





#50

Toluene-d8

Concen: 45.747 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF059196.D

Acq: 19 Jun 2018 18:43

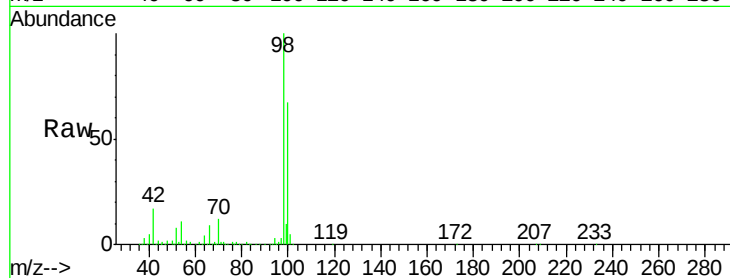
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 363590

Ion Ratio Lower Upper

98 100

100 67.1 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.71

150000

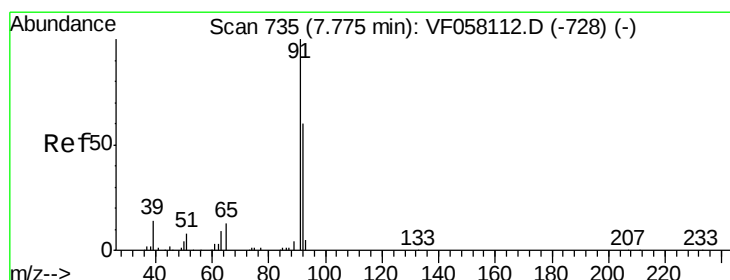
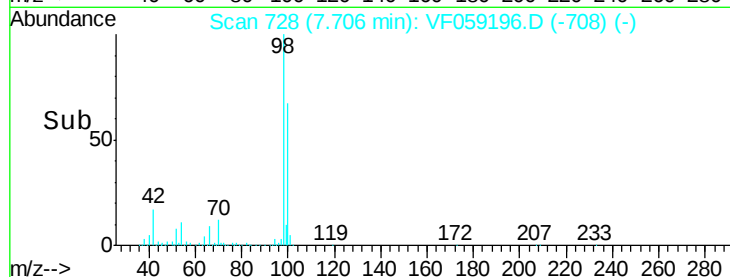
100000

50000

0

Time-->

7.60 7.70 7.80 7.90



#58

2-Chloroethyl Vinyl ether

Concen: 3.009 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.07 min

Lab File: VF059196.D

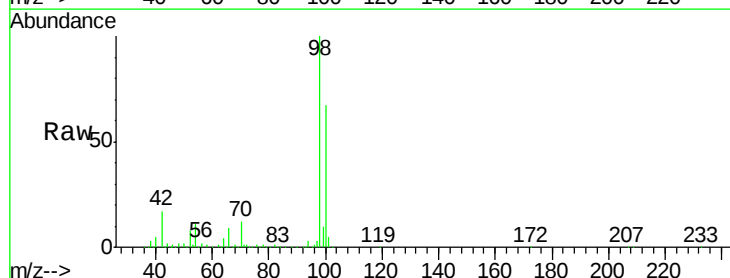
Acq: 19 Jun 2018 18:43

Tgt Ion: 63 Resp: 614

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

300

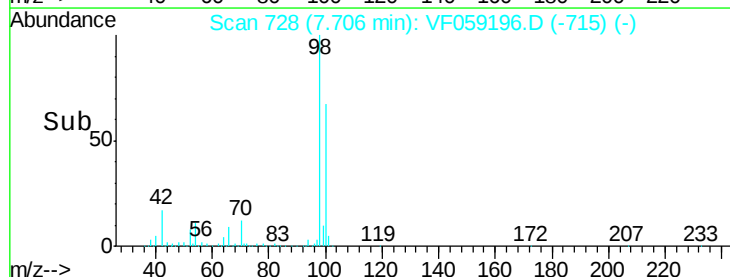
200

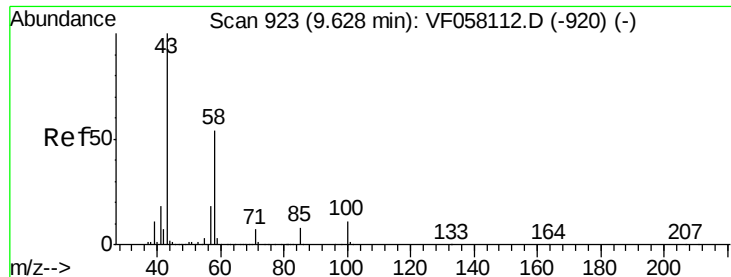
100

0

Time-->

7.60 7.65 7.70 7.75

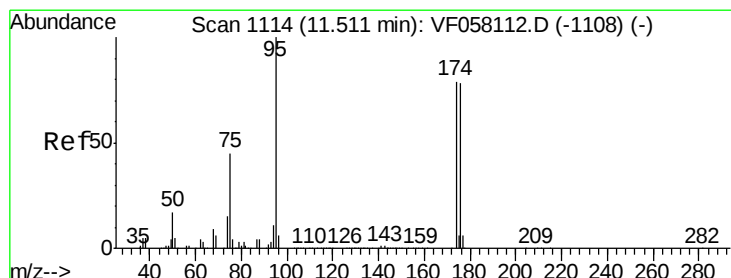
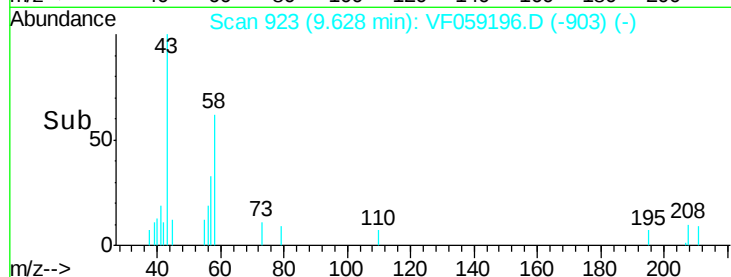
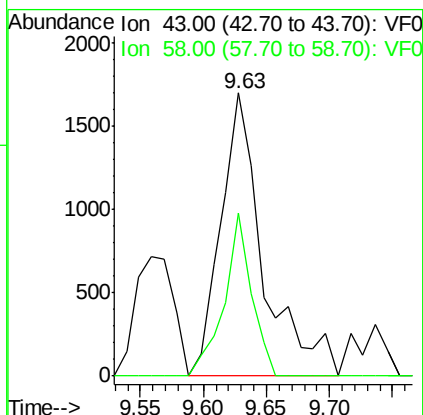
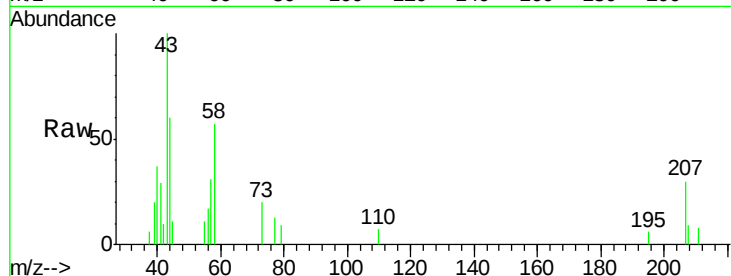




#59
2-Hexanone
Concen: 2.364 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059196.D
Acq: 19 Jun 2018 18:43

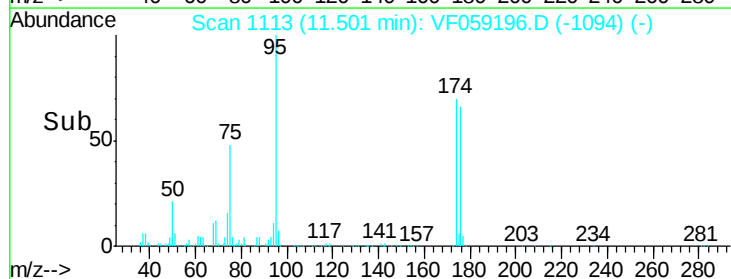
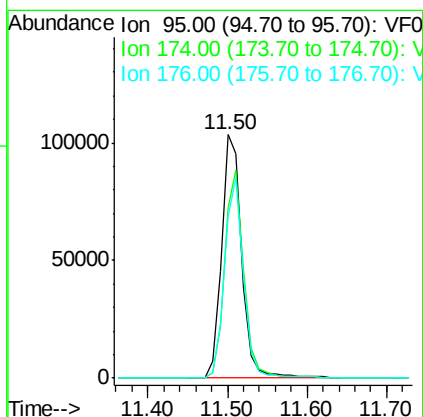
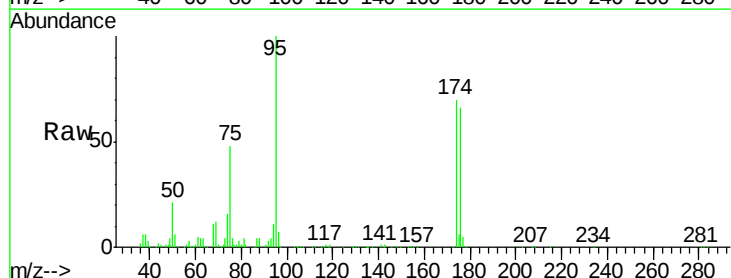
Instrument :
MSVOA_F
ClientSampleId :

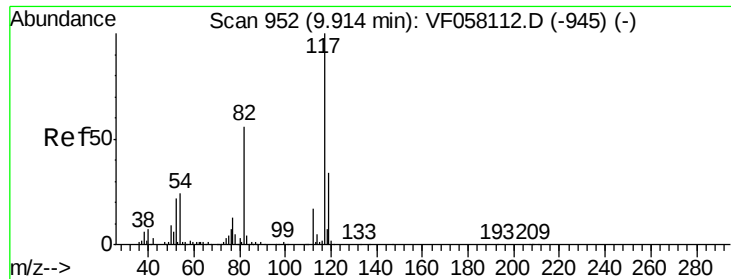
Tot Ion: 43 Resp: 3964
Ion Ratio Lower Upper
43 100
58 57.4 26.3 78.8



#62
4-Bromofluorobenzene
Concen: 45.219 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059196.D
Acq: 19 Jun 2018 18:43

Tgt Ion: 95 Resp: 184334
Ion Ratio Lower Upper
95 100
174 70.1 0.0 157.8
176 66.3 0.0 155.8

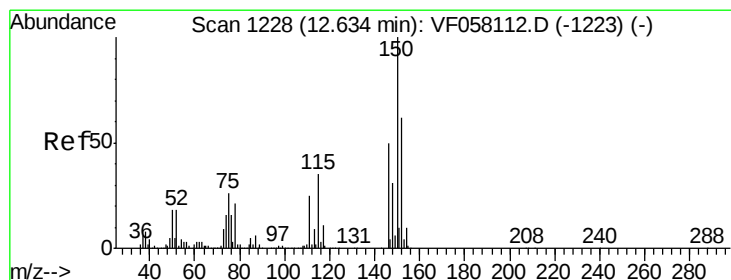
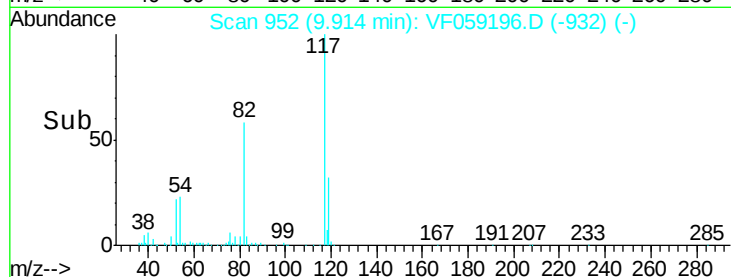
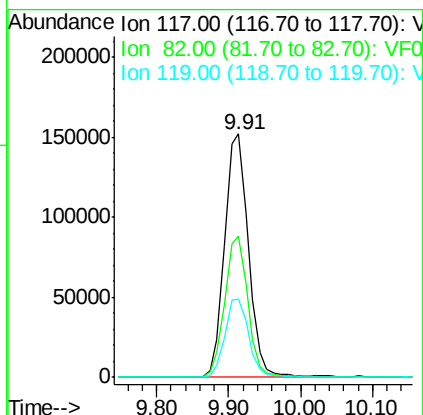
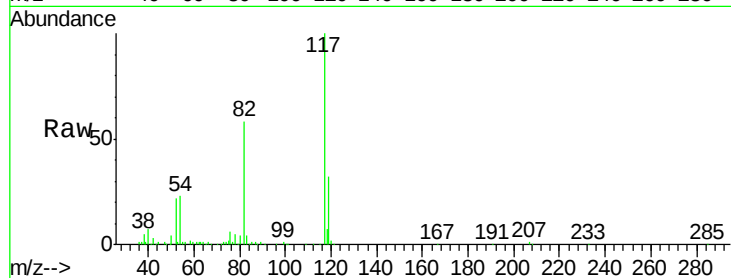




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059196.D
Acq: 19 Jun 2018 18:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 349335
Ion Ratio Lower Upper
117 100
82 58.0 45.2 67.8
119 32.1 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: VF059196.D
Acq: 19 Jun 2018 18:43

Tgt Ion:152 Resp: 201344
Ion Ratio Lower Upper
152 100
115 61.6 28.5 85.5
150 156.6 0.0 323.8

