

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
 Data File : VF059286.D
 Acq On : 22 Jun 2018 21:01
 Operator : VA/AP
 Sample : J3638-05
 Misc : 4.84g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 V-2

Quant Time: Jun 23 04:37:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

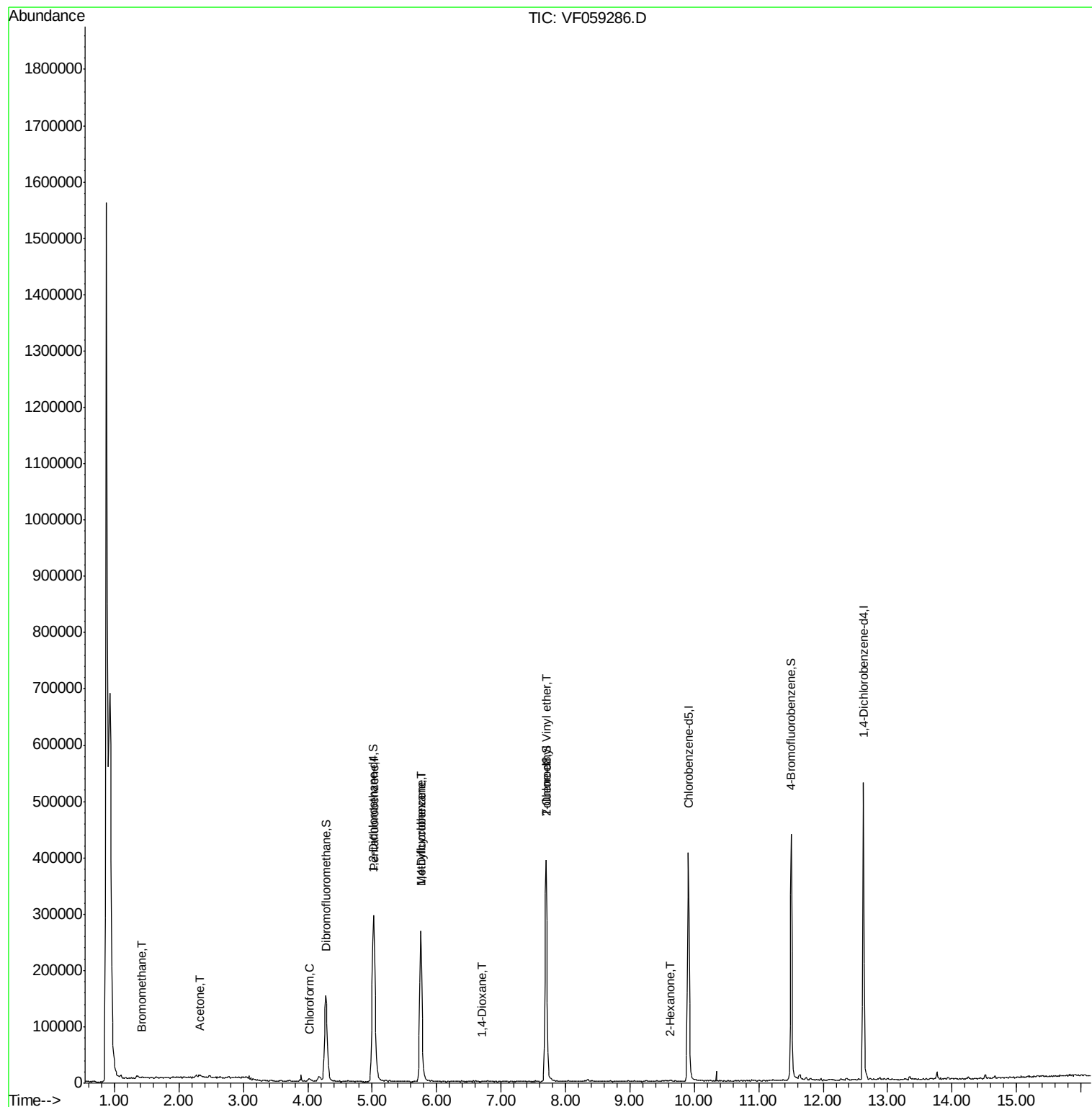
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	198862	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	292307	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	273861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	140201	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	151847	53.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.40%	
35) Dibromofluoromethane	4.28	113	138799	56.44	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	112.88%	
50) Toluene-d8	7.70	98	311430	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	11.50	95	151088	43.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.12%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.43	94	201	1.957 ug/l		93
13) Acrolein	2.03	56	176	Below Cal		94
15) Acrylonitrile	3.07	53	519	Below Cal	#	29
16) Acetone	2.33	43	1143	1.694 ug/l	#	76
20) Methylene Chloride	2.32	84	2024	Below Cal	#	68
28) Bromochloromethane	4.00	49	447	Below Cal	#	8
30) Chloroform	4.03	83	5230	1.032 ug/l		91
39) Methylcyclohexane	5.76	83	4457	1.621 ug/l	#	59
49) 1,4-Dioxane	6.71	88	107	12.117 ug/l	#	47
58) 2-Chloroethyl Vinyl ether	7.71	63	483	2.720 ug/l		100
59) 2-Hexanone	9.63	43	1912	1.406 ug/l		99

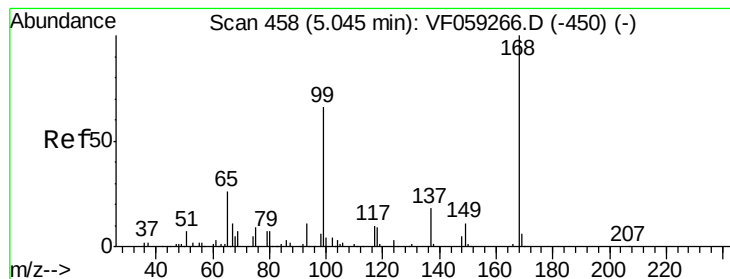
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059286.D

Acq: 22 Jun 2018 21:01

Instrument :

MSVOA_F

ClientSampled :

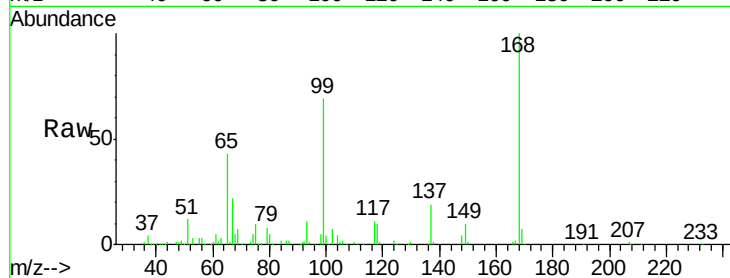
V-2

Tgt Ion:168 Resp: 198862

Ion Ratio Lower Upper

168 100

99 68.8 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

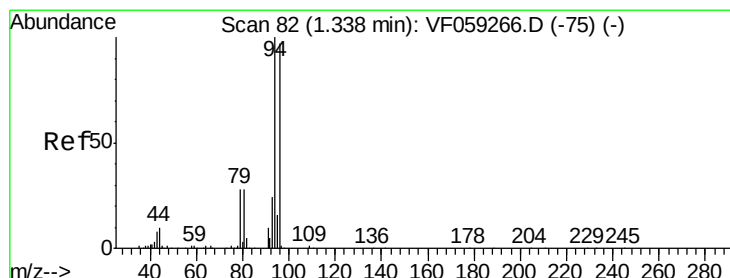
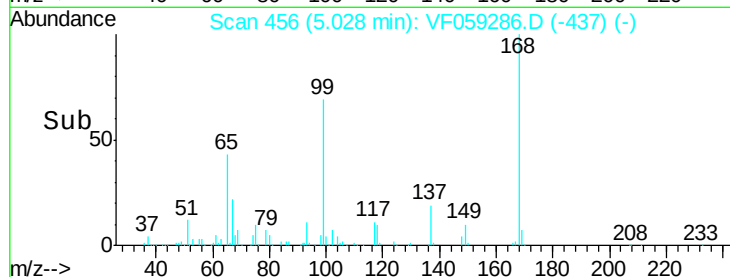
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#5

Bromomethane

Concen: 1.957 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.09 min

Lab File: VF059286.D

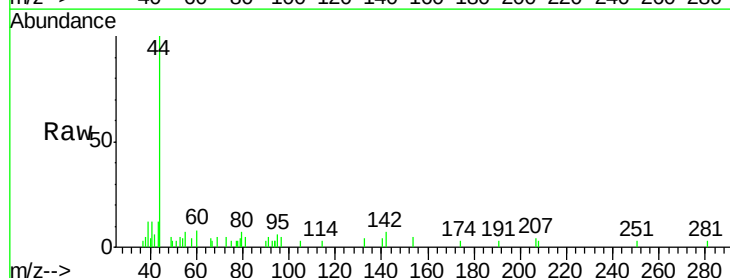
Acq: 22 Jun 2018 21:01

Tgt Ion: 94 Resp: 201

Ion Ratio Lower Upper

94 100

96 90.6 77.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.43

250

200

150

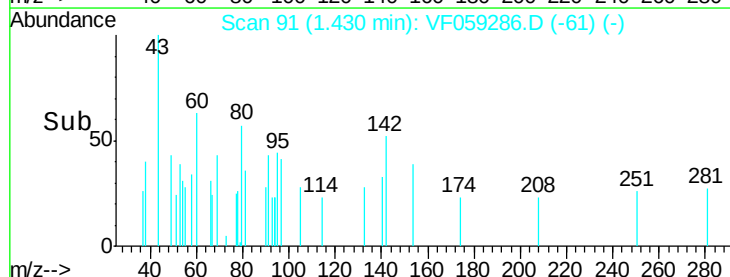
100

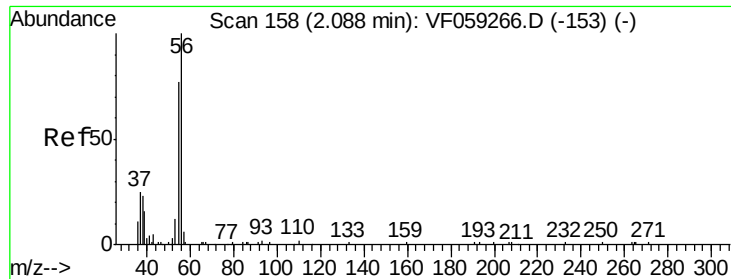
50

0

1.40 1.42 1.44

Time-->

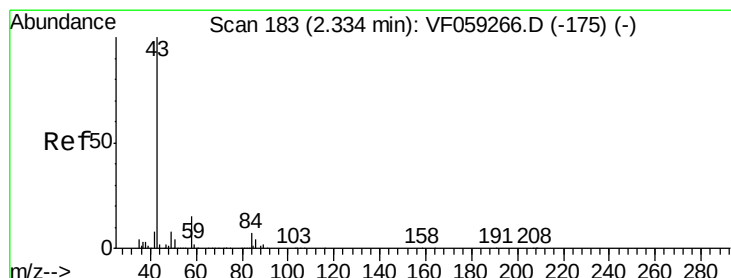
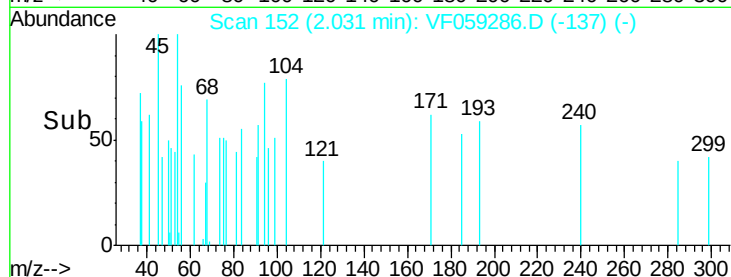
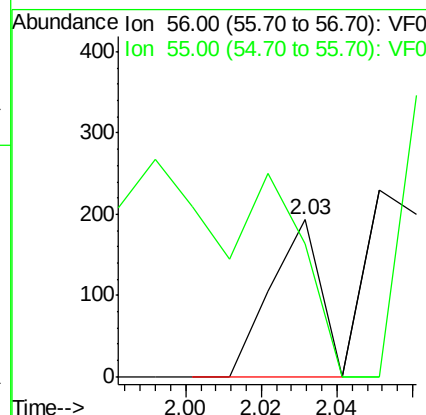
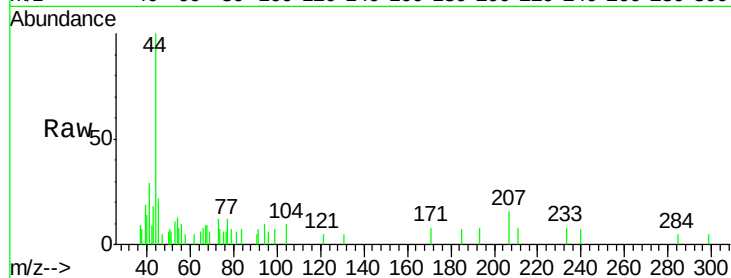




#13
Acrolein
Concen: Below Cal
RT: 2.03 min Scan# 152
Delta R.T. -0.06 min
Lab File: VF059286.D
Acq: 22 Jun 2018 21:01

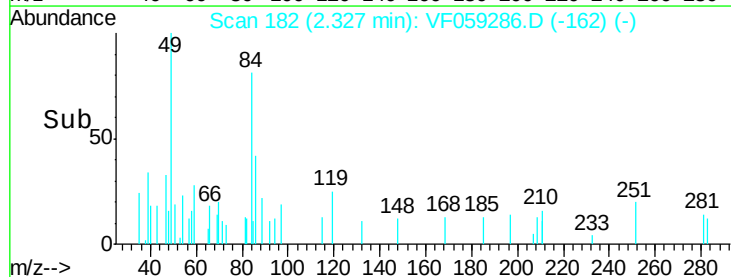
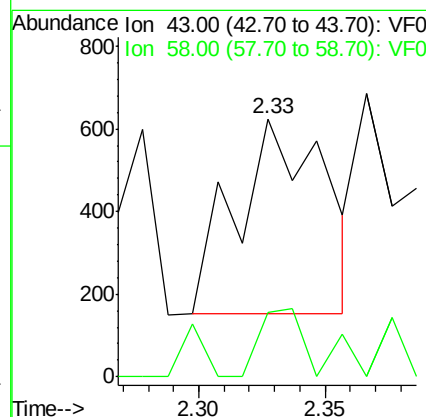
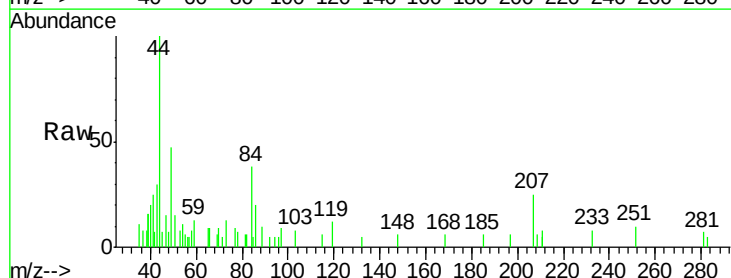
Instrument :
MSVOA_F
ClientSampled :
V-2

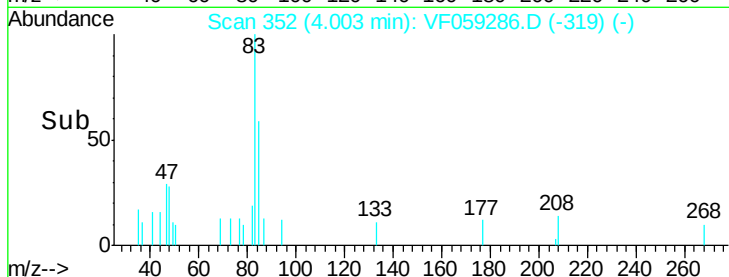
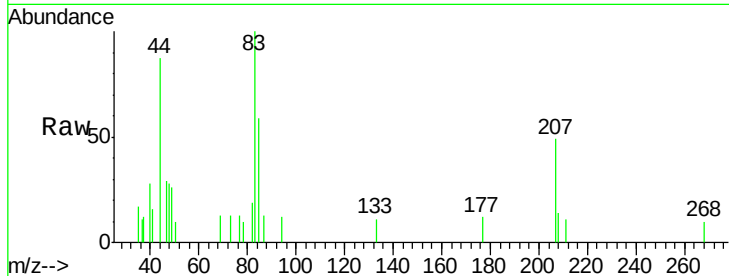
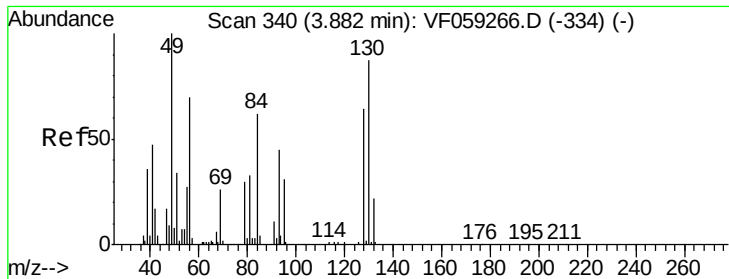
Tgt Ion: 56 Resp: 176
Ion Ratio Lower Upper
56 100
55 84.5 63.0 94.6



#16
Acetone
Concen: 1.694 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF059286.D
Acq: 22 Jun 2018 21:01

Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
58 25.0 12.1 18.1#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.00 min Scan# 352

Delta R.T. 0.12 min

Lab File: VF059286.D

Acq: 22 Jun 2018 21:01

Instrument :

MSVOA_F

ClientSampleId :

V-2

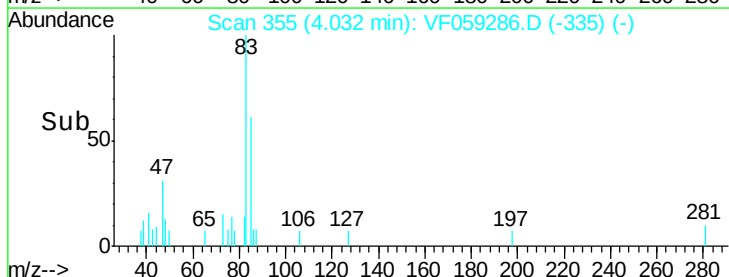
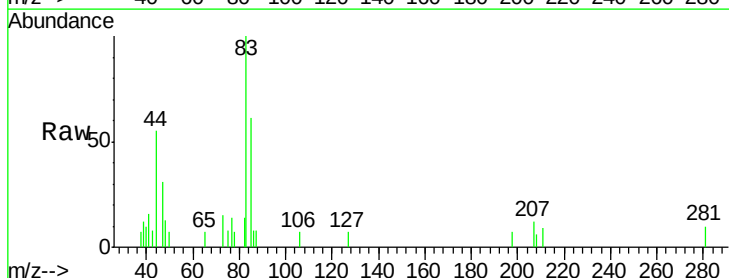
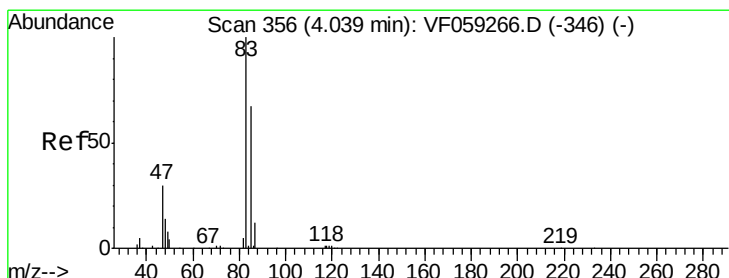
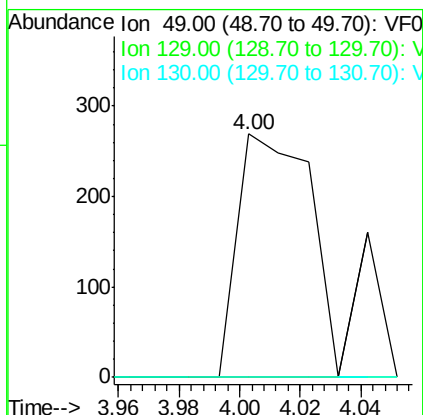
Tgt Ion: 49 Resp: 447

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 69.4 104.2#



#30

Chloroform

Concen: 1.032 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF059286.D

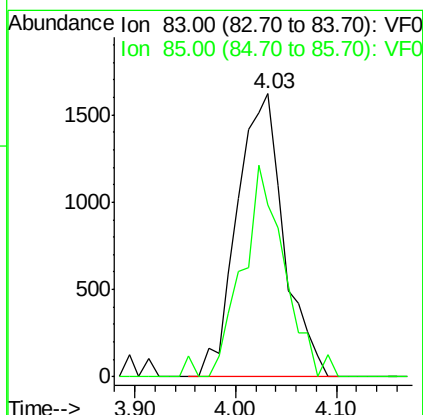
Acq: 22 Jun 2018 21:01

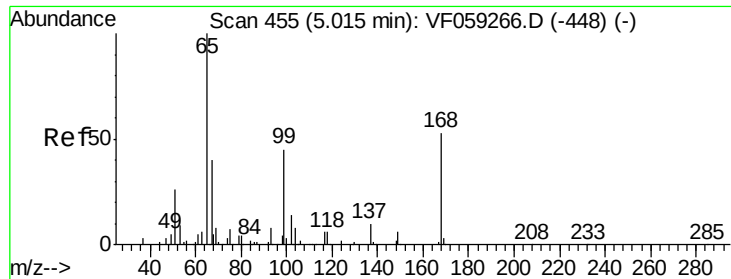
Tgt Ion: 83 Resp: 5230

Ion Ratio Lower Upper

83 100

85 60.6 54.2 81.2

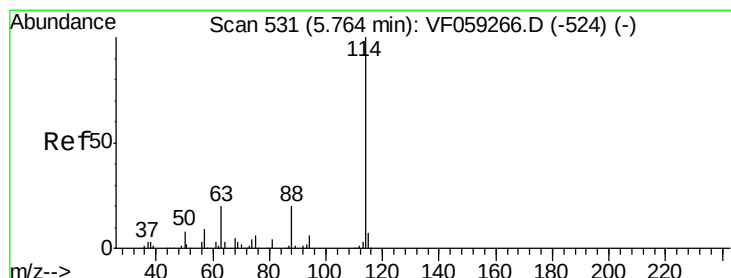
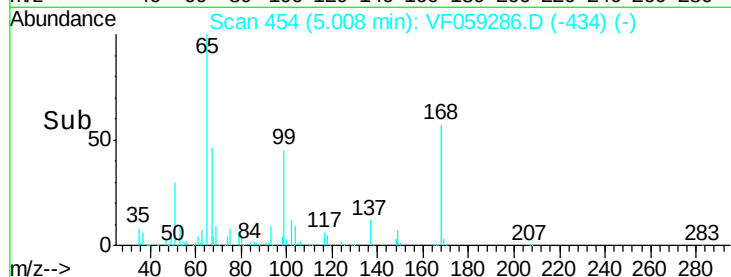
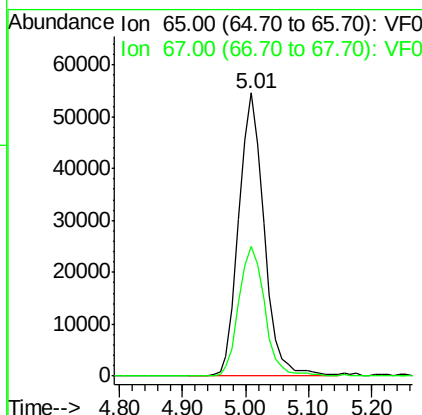
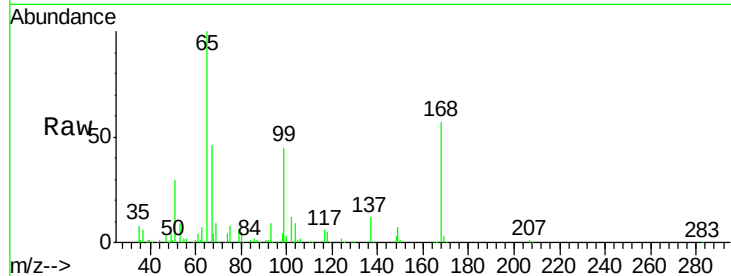




#33
 1,2-Dichloroethane-d4
 Concen: 53.195 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059286.D
 Acq: 22 Jun 2018 21:01

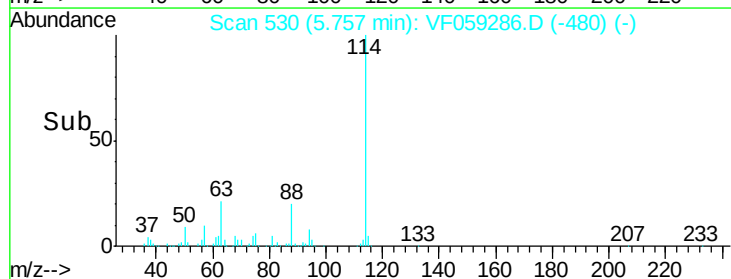
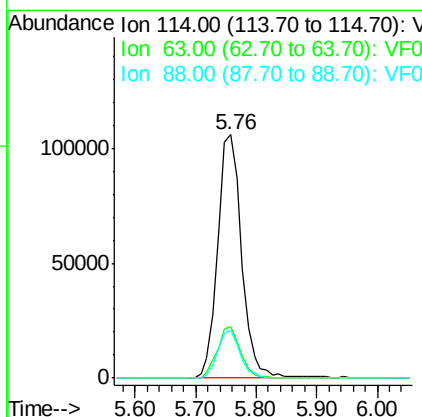
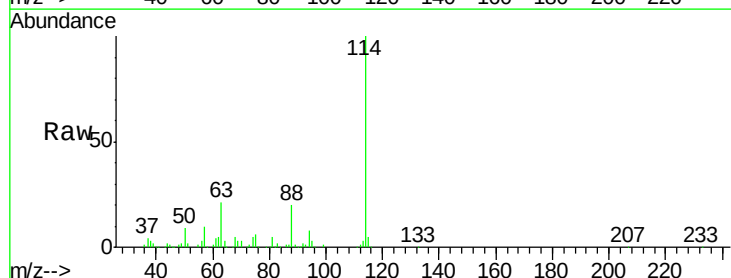
Instrument :
 MSVOA_F
 ClientSampled :
 V-2

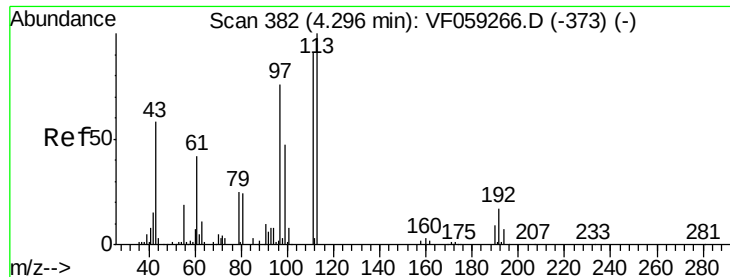
Tgt Ion: 65 Resp: 151847
 Ion Ratio Lower Upper
 65 100
 67 45.7 0.0 95.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059286.D
 Acq: 22 Jun 2018 21:01

Tgt Ion: 114 Resp: 292307
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 41.0
 88 19.8 0.0 39.6





#35

Dibromofluoromethane

Concen: 56.438 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059286.D

Acq: 22 Jun 2018 21:01

Instrument :

MSVOA_F

ClientSampled :

V-2

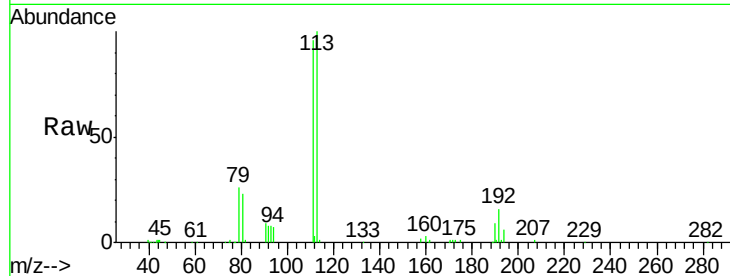
Tgt Ion: 113 Resp: 138799

Ion Ratio Lower Upper

113 100

111 96.4 73.1 109.7

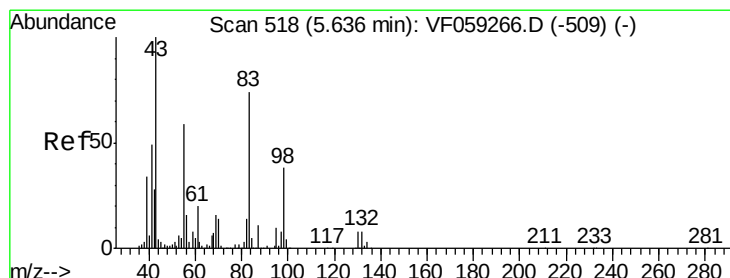
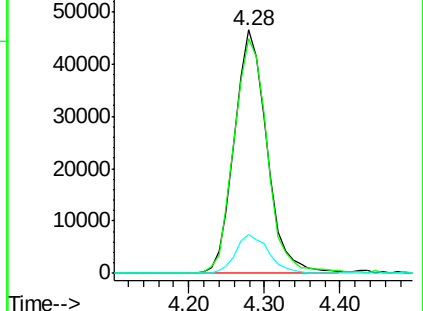
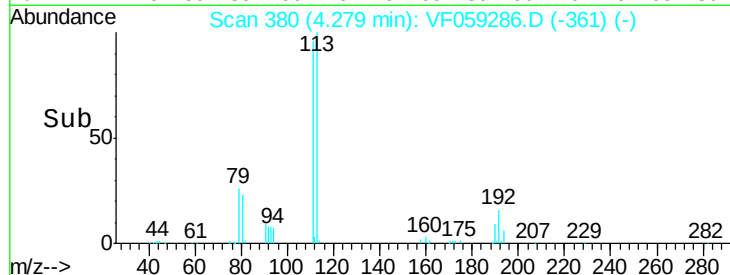
192 15.8 13.9 20.9



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: 1.621 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.12 min

Lab File: VF059286.D

Acq: 22 Jun 2018 21:01

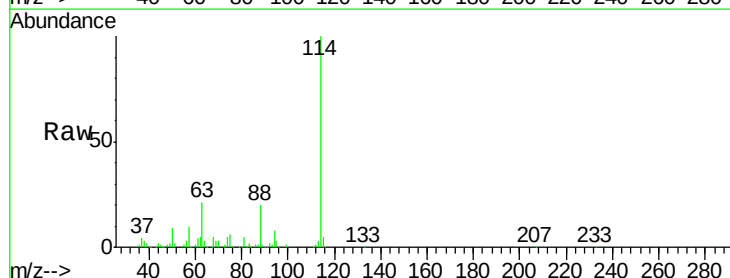
Tgt Ion: 83 Resp: 4457

Ion Ratio Lower Upper

83 100

55 62.5 63.7 95.5#

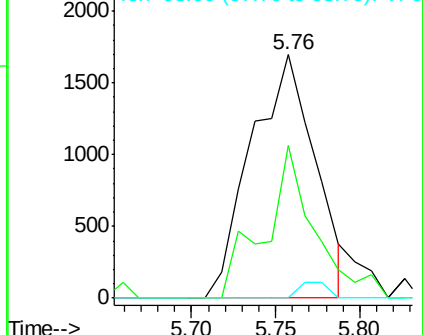
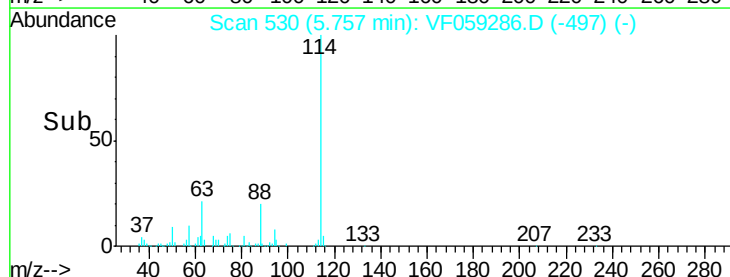
98 0.0 41.6 62.4#

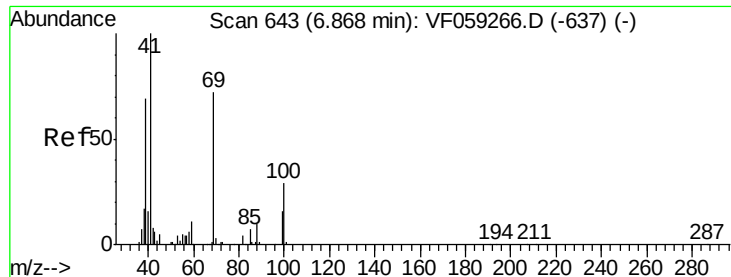


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#49

1,4-Dioxane

Concen: 12.117 ug/l

RT: 6.71 min Scan# 627

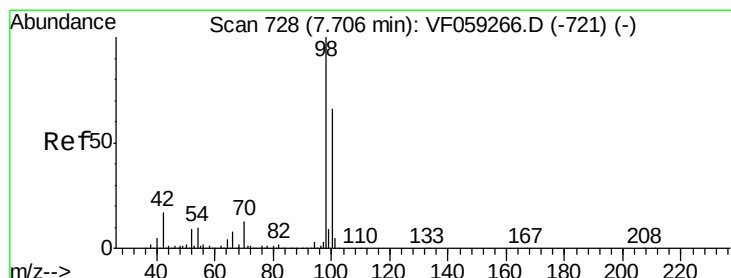
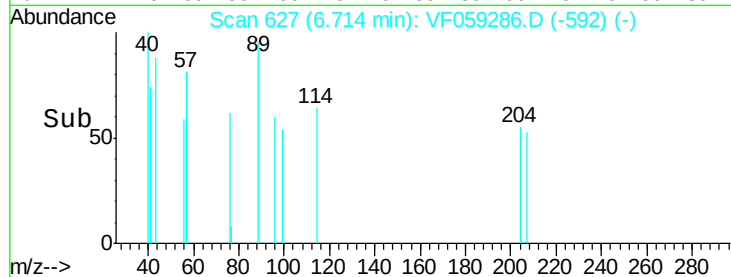
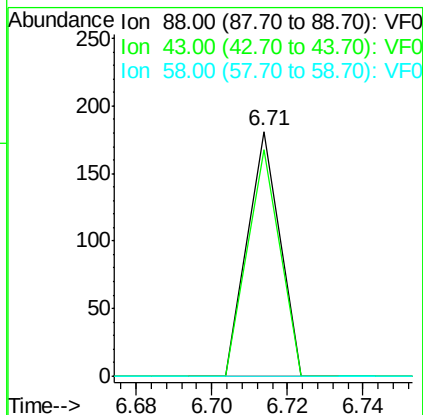
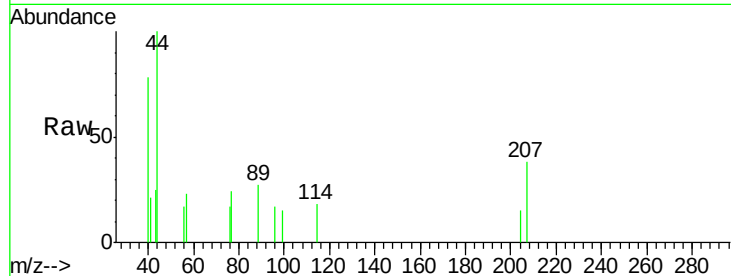
Delta R.T. -0.15 min

Lab File: VF059286.D

Acq: 22 Jun 2018 21:01

Instrument :
MSVOA_F
ClientSampleId :
V-2

Tgt Ion: 88 Resp: 107
Ion Ratio Lower Upper
88 100
43 92.8 55.5 83.3#
58 0.0 50.1 75.1#



#50

Toluene-d8

Concen: 49.784 ug/l

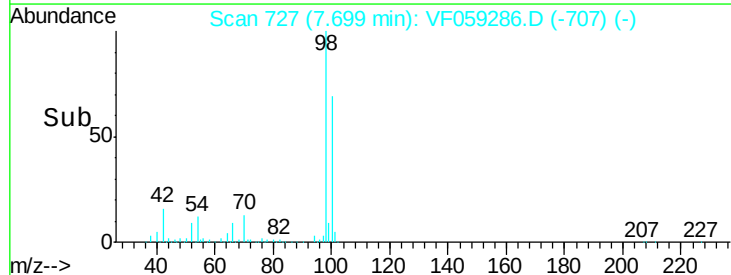
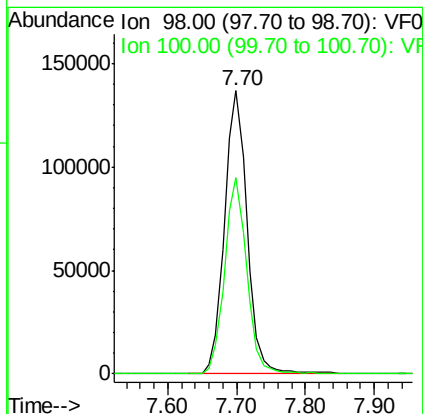
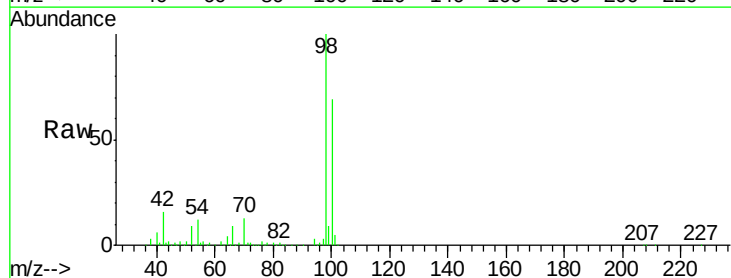
RT: 7.70 min Scan# 727

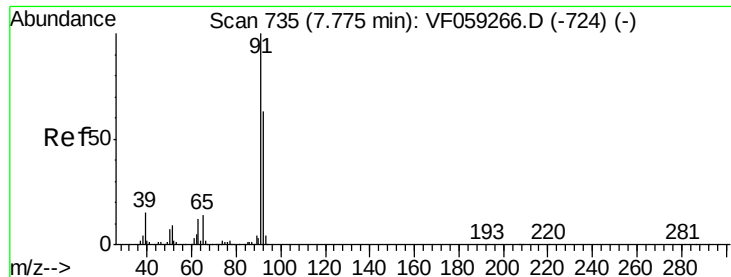
Delta R.T. -0.01 min

Lab File: VF059286.D

Acq: 22 Jun 2018 21:01

Tgt Ion: 98 Resp: 311430
Ion Ratio Lower Upper
98 100
100 69.3 52.8 79.2





#58

2-Chloroethyl Vinyl ether

Concen: 2.720 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.07 min

Lab File: VF059286.D

Acq: 22 Jun 2018 21:01

Instrument :

MSVOA_F

ClientSampled :

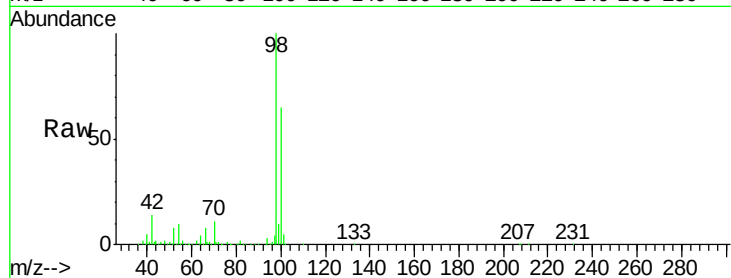
V-2

Tgt Ion: 63 Resp: 483

Ion Ratio Lower Upper

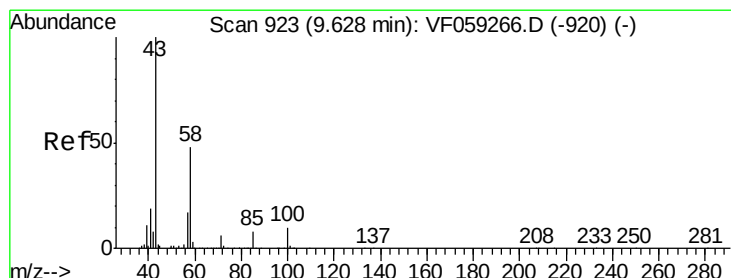
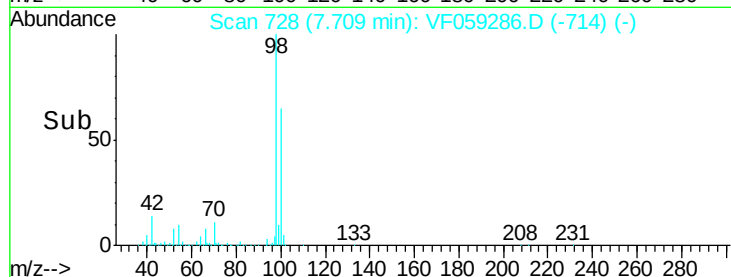
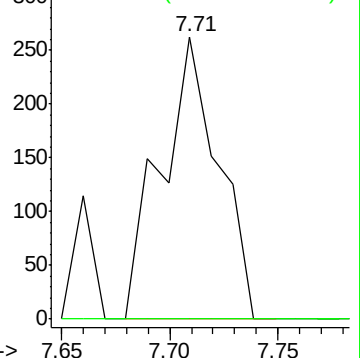
63 100

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): VF0



#59

2-Hexanone

Concen: 1.406 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.00 min

Lab File: VF059286.D

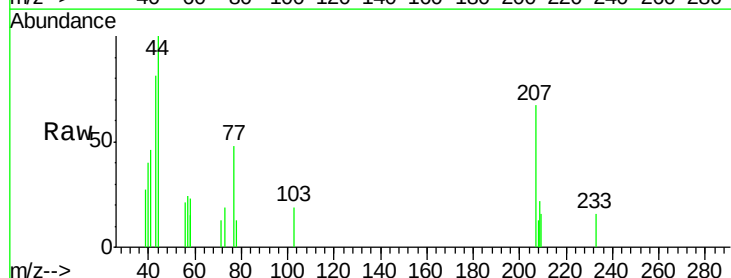
Acq: 22 Jun 2018 21:01

Tgt Ion: 43 Resp: 1912

Ion Ratio Lower Upper

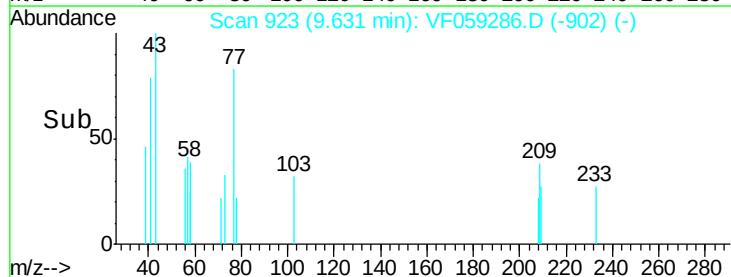
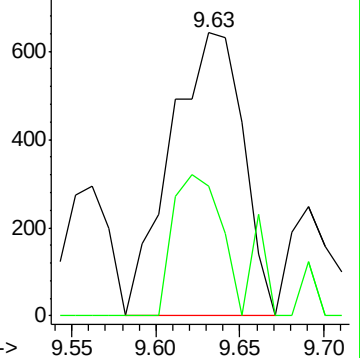
43 100

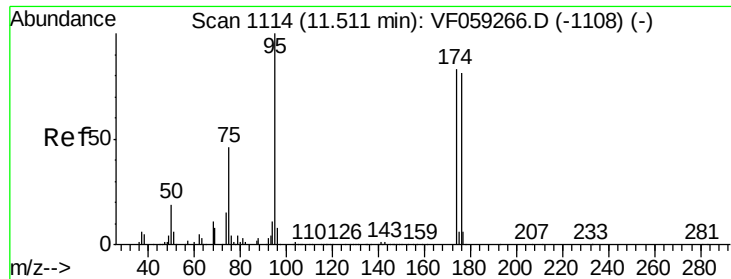
58 46.0 23.3 69.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

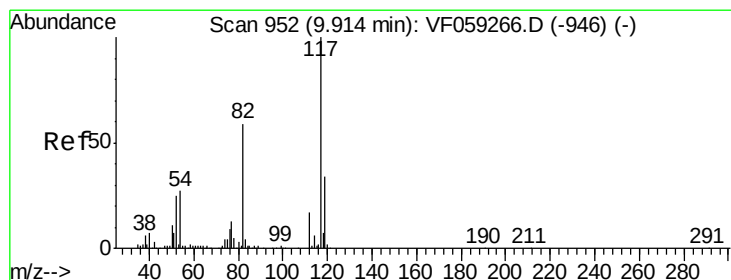
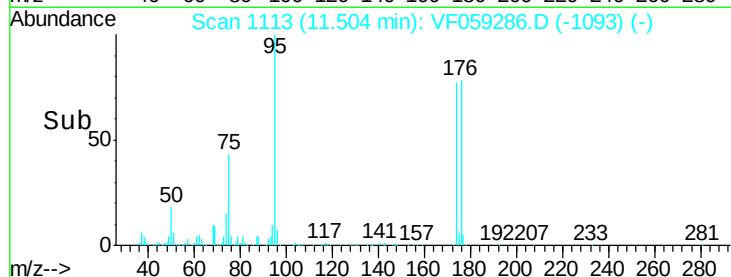
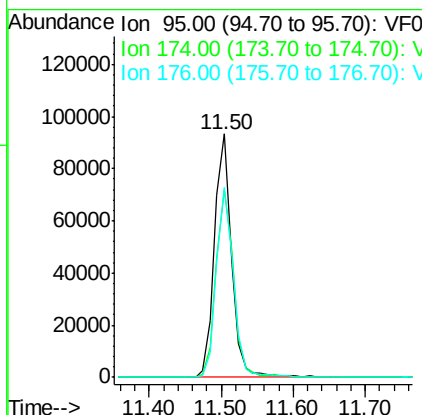
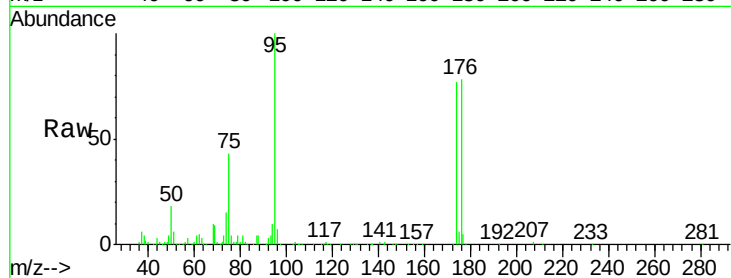




#62
4-Bromofluorobenzene
Concen: 43.555 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059286.D
Acq: 22 Jun 2018 21:01

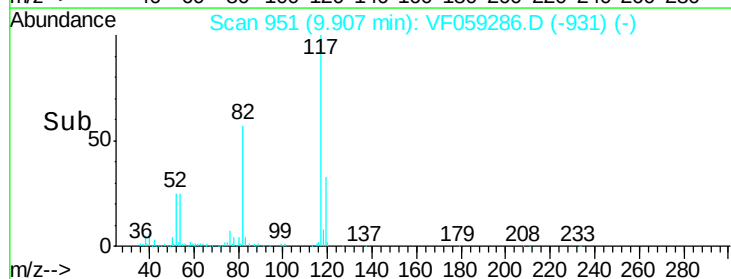
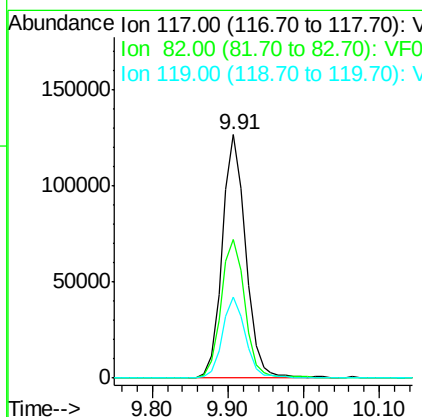
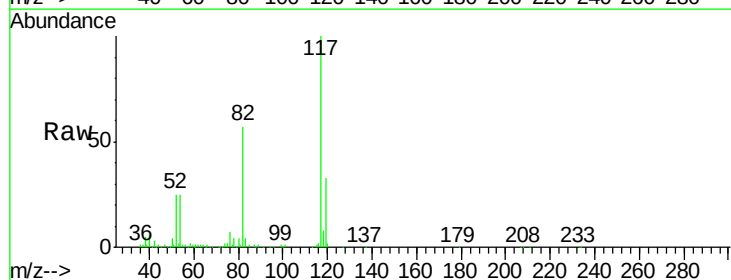
Instrument :
MSVOA_F
ClientSampled :
V-2

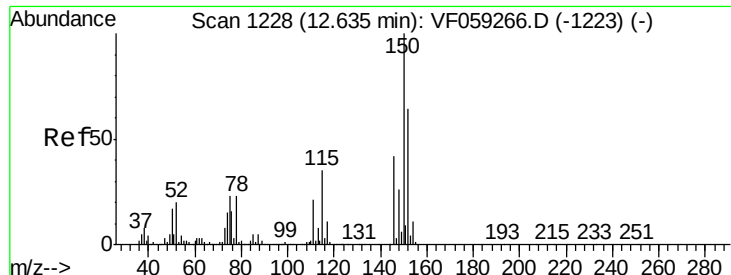
Tgt Ion: 95 Resp: 151088
Ion Ratio Lower Upper
95 100
174 77.0 0.0 166.2
176 78.0 0.0 162.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059286.D
Acq: 22 Jun 2018 21:01

Tgt Ion: 117 Resp: 273861
Ion Ratio Lower Upper
117 100
82 56.8 47.1 70.7
119 33.3 26.9 40.3



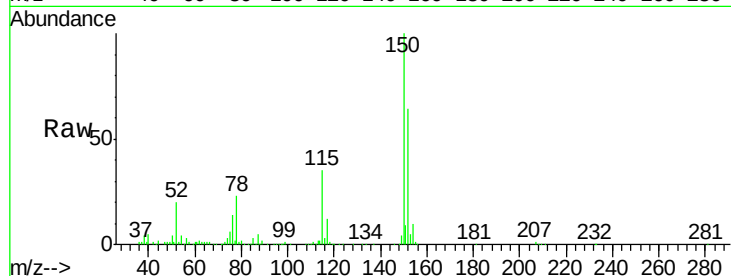


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059286.D
 Acq: 22 Jun 2018 21:01

Instrument :
 MSVOA_F
 ClientSampleId :
 V-2

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.8	83.3
150	157.3	0.0	313.8



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

