

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
 Data File : VF059287.D
 Acq On : 22 Jun 2018 21:28
 Operator : VA/AP
 Sample : J3638-06
 Misc : 5.24g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 V-3

Quant Time: Jun 23 04:38:04 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	5.02	168	197064	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	306275	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	280054	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	137001	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	168369	59.52	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	119.04%	
35) Dibromofluoromethane	4.28	113	148216	57.52	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	115.04%	
50) Toluene-d8	7.70	98	335356	51.16	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.50	95	168209	46.28	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.56%	

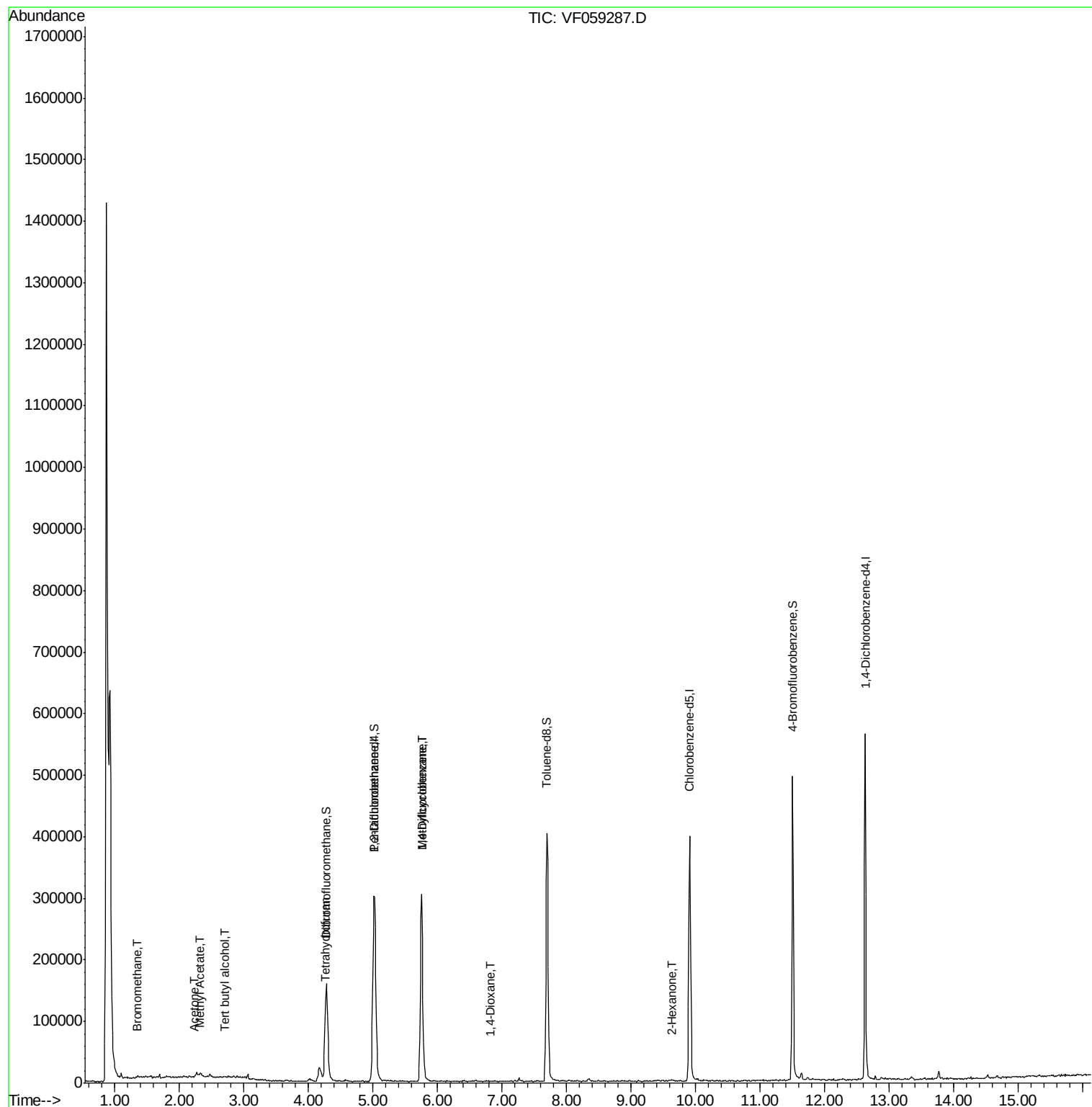
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.34	94	312	2.053	ug/l #	49
11) Tert butyl alcohol	2.69	59	1029	6.243	ug/l #	70
13) Acrolein	2.06	56	65	Below Cal	#	1
15) Acrylonitrile	3.05	53	394	Below Cal	#	55
16) Acetone	2.23	43	1329	1.988	ug/l	95
18) Methyl Acetate	2.32	43	1506	1.195	ug/l	99
28) Bromochloromethane	3.97	49	143	Below Cal	#	8
29) Tetrahydrofuran	4.25	42	742	1.853	ug/l #	37
39) Methylcyclohexane	5.76	83	4449	1.545	ug/l #	30
49) 1,4-Dioxane	6.83	88	108	11.672	ug/l #	17
59) 2-Hexanone	9.63	43	1593	1.118	ug/l	99

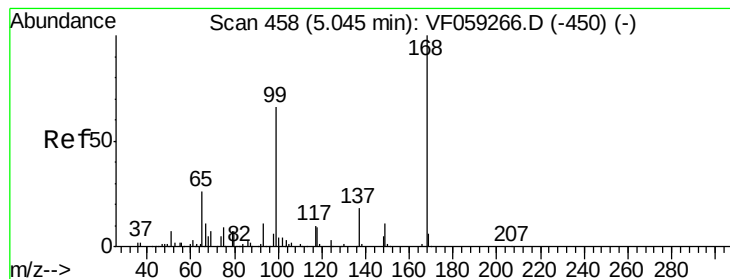
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
Data File : VF059287.D
Acq On : 22 Jun 2018 21:28
Operator : VA/AP
Sample : J3638-06
Misc : 5.24g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
V-3

Quant Time: Jun 23 04:38:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
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: 5.02 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059287.D

Acq: 22 Jun 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

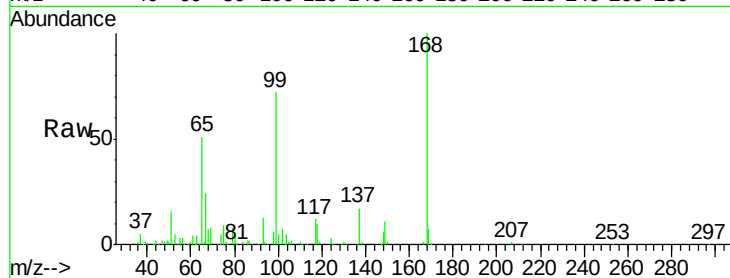
V-3

Tgt Ion:168 Resp: 197064

Ion Ratio Lower Upper

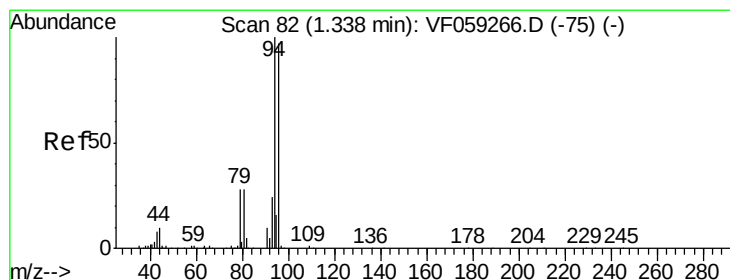
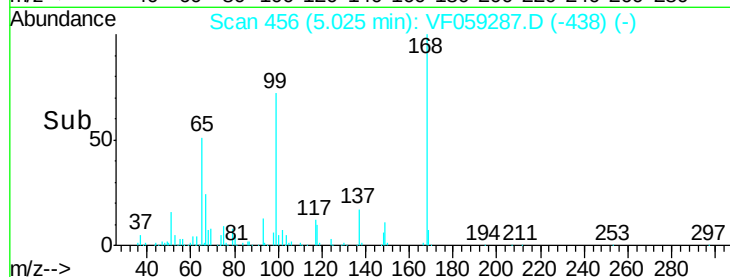
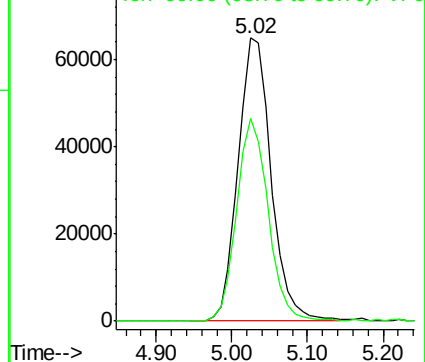
168 100

99 71.5 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#5

Bromomethane

Concen: 2.053 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059287.D

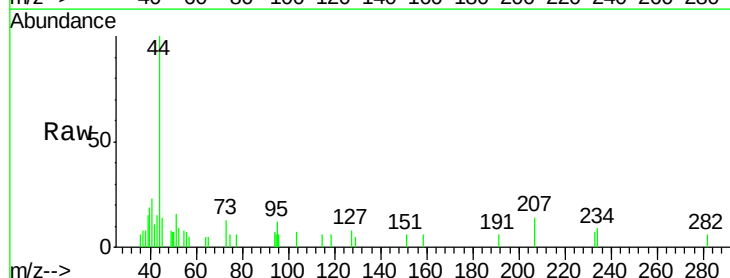
Acq: 22 Jun 2018 21:28

Tgt Ion: 94 Resp: 312

Ion Ratio Lower Upper

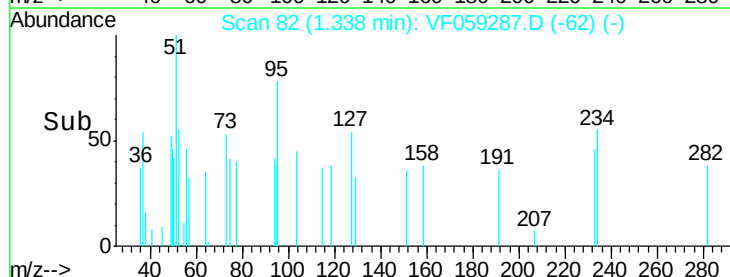
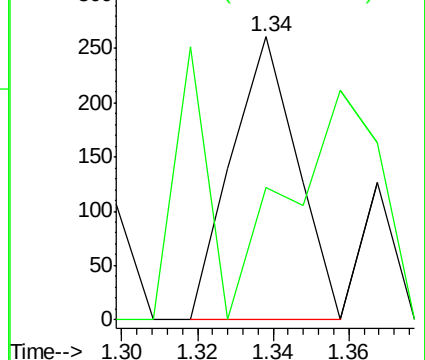
94 100

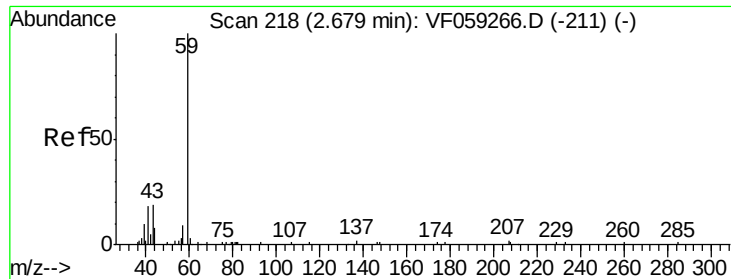
96 46.7 77.7 116.5#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

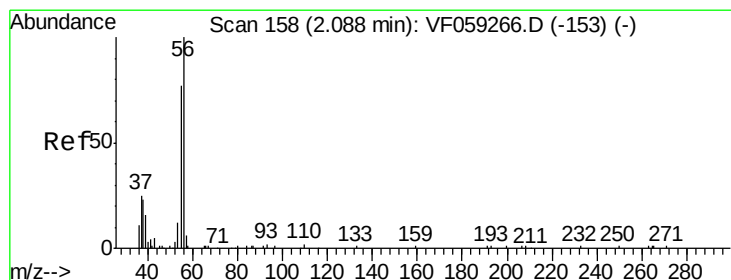
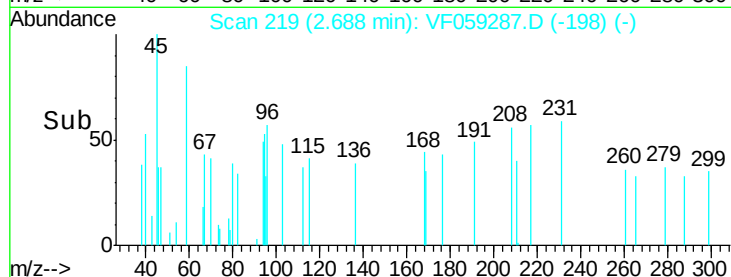
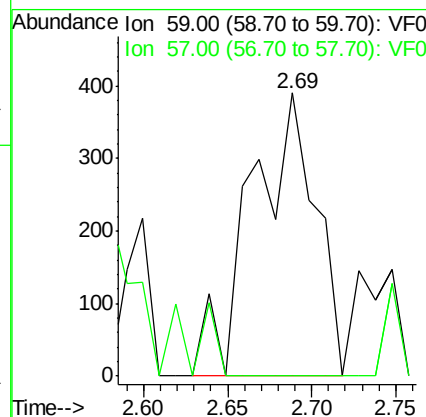
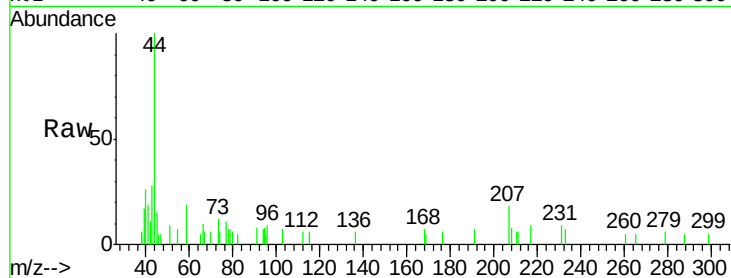




#11
Tert butyl alcohol
Concen: 6.243 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059287.D
Acq: 22 Jun 2018 21:28

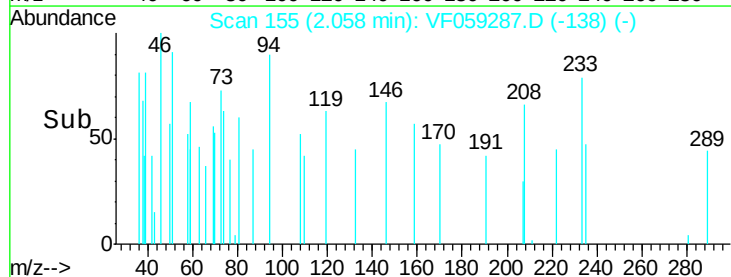
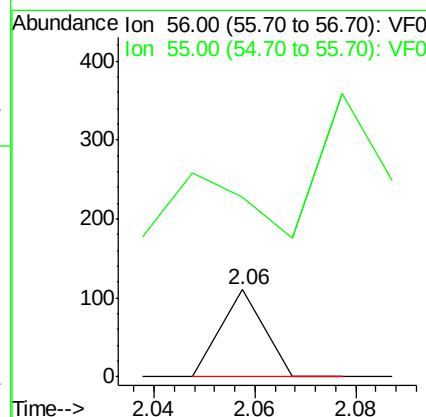
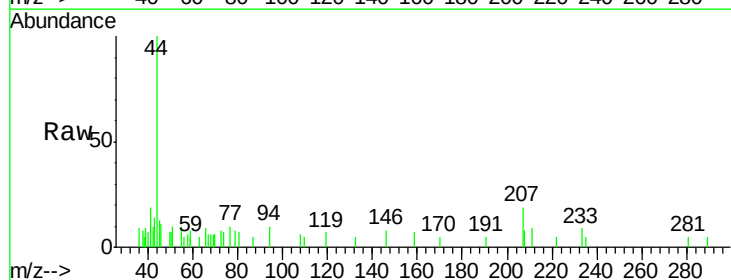
Instrument :
MSVOA_F
ClientSampled :
V-3

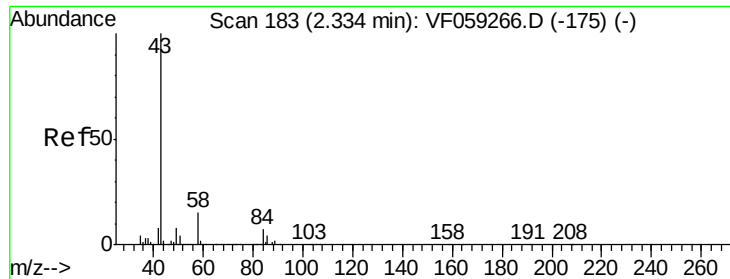
Tgt Ion: 59 Resp: 1029
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#



#13
Acrolein
Concen: Below Cal
RT: 2.06 min Scan# 155
Delta R.T. -0.03 min
Lab File: VF059287.D
Acq: 22 Jun 2018 21:28

Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 207.3 63.0 94.6#





#16

Acetone

Concen: 1.988 ug/l

RT: 2.23 min Scan# 172

Delta R.T. -0.11 min

Lab File: VF059287.D

Acq: 22 Jun 2018 21:28

Instrument :

MSVOA_F

ClientSampled :

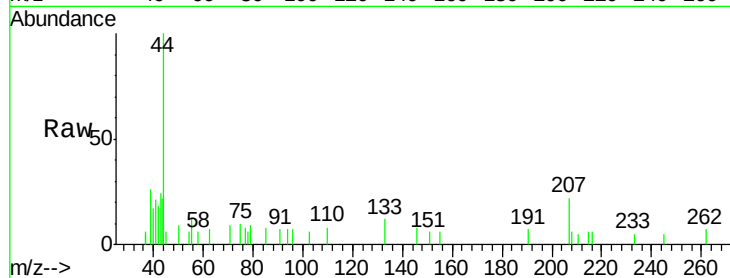
V-3

Tgt Ion: 43 Resp: 1329

Ion Ratio Lower Upper

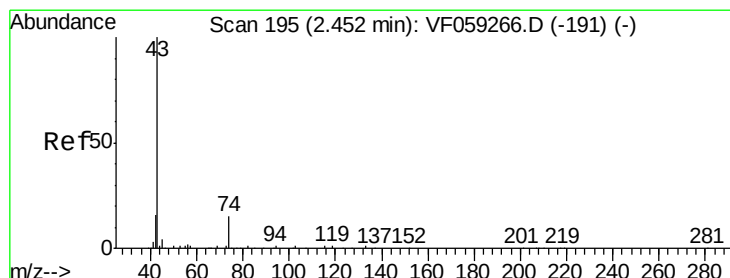
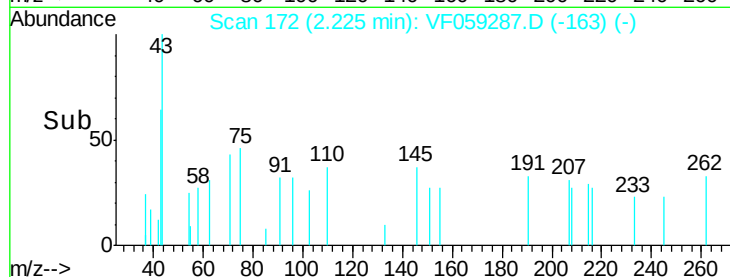
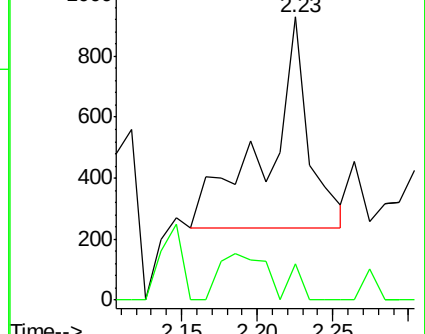
43 100

58 13.0 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 1.195 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.13 min

Lab File: VF059287.D

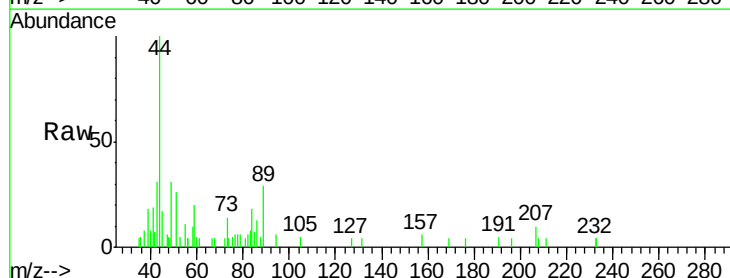
Acq: 22 Jun 2018 21:28

Tgt Ion: 43 Resp: 1506

Ion Ratio Lower Upper

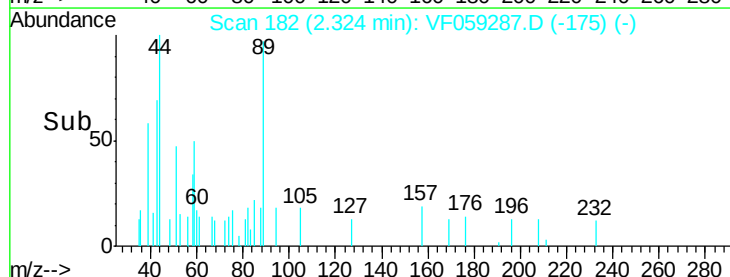
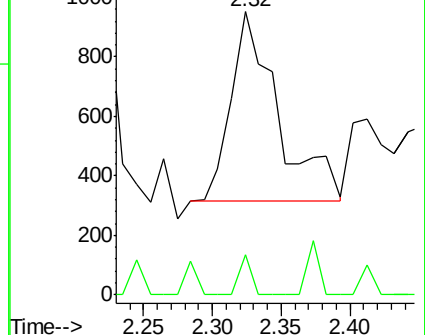
43 100

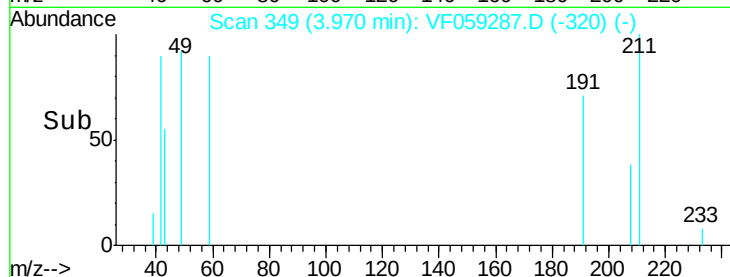
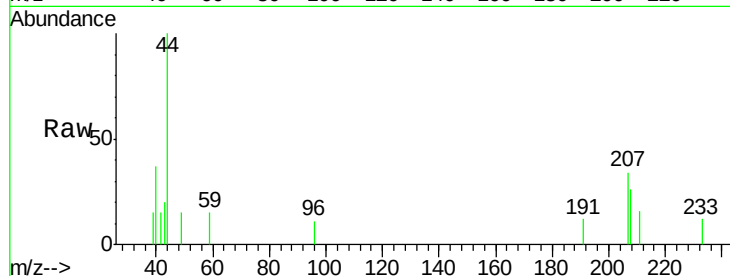
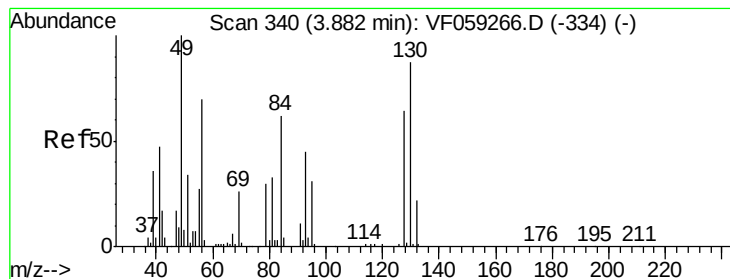
74 14.0 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#28

Bromochloromethane

Concen: Below Cal

RT: 3.97 min Scan# 349

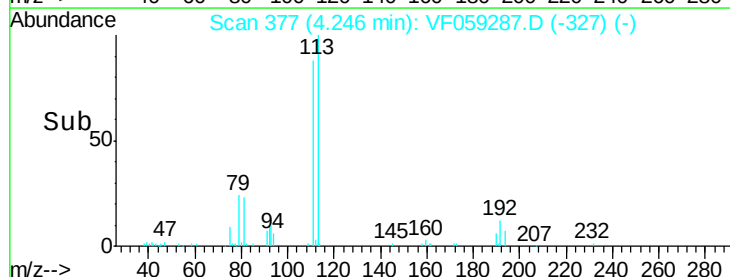
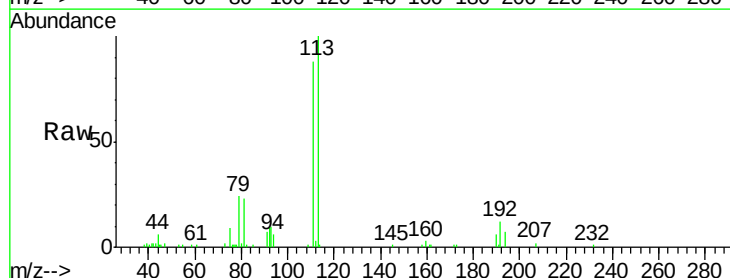
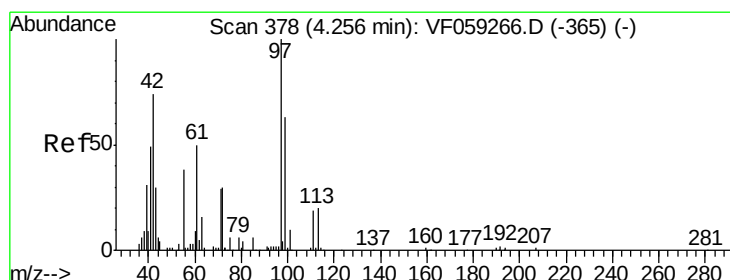
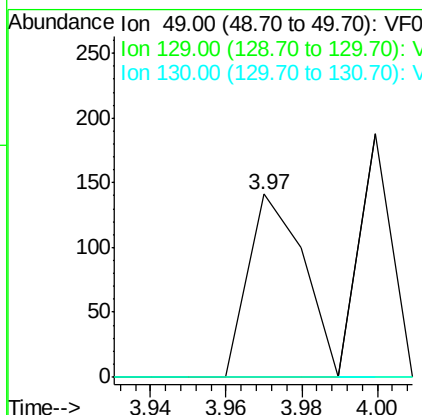
Delta R.T. 0.09 min

Lab File: VF059287.D

Acq: 22 Jun 2018 21:28

Instrument :
MSVOA_F
ClientSampled :
V-3

Tgt Ion:	49	Resp:	143
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	69.4	104.2#



#29

Tetrahydrofuran

Concen: 1.853 ug/l

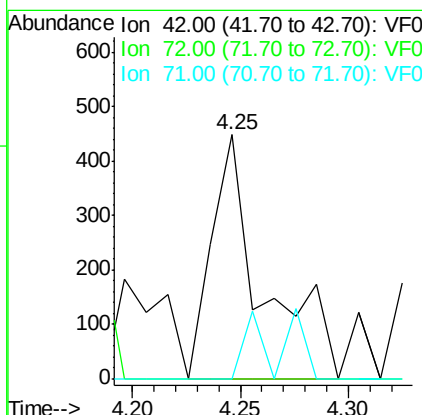
RT: 4.25 min Scan# 377

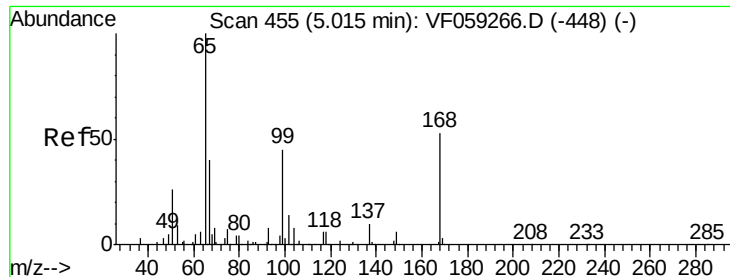
Delta R.T. -0.01 min

Lab File: VF059287.D

Acq: 22 Jun 2018 21:28

Tgt Ion:	42	Resp:	742
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.2	46.8#
71	0.0	30.2	45.2#

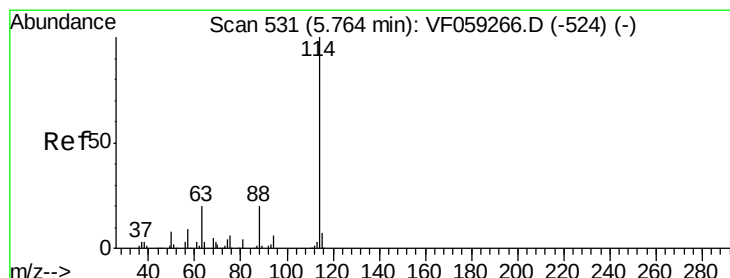
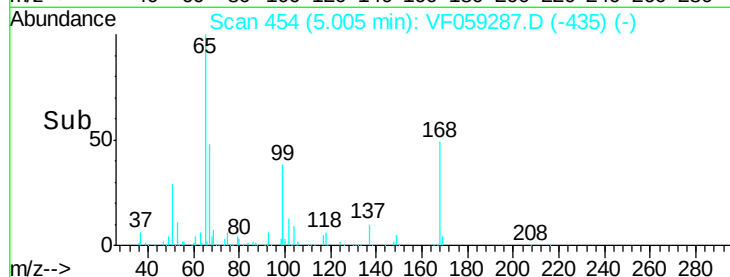
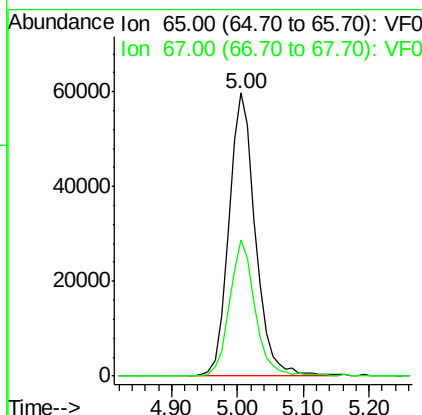
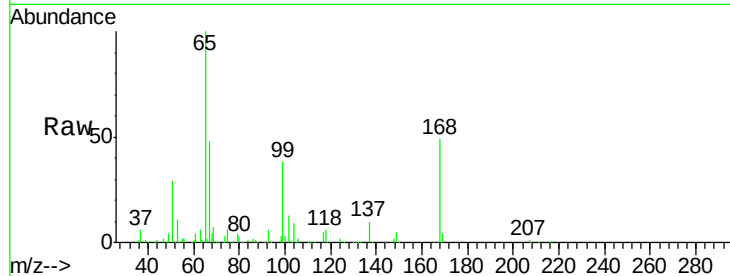




#33
 1,2-Dichloroethane-d4
 Concen: 59.522 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059287.D
 Acq: 22 Jun 2018 21:28

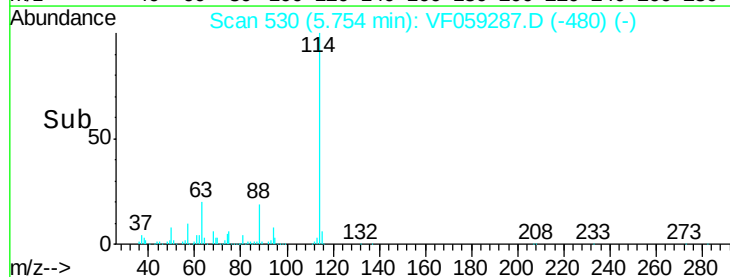
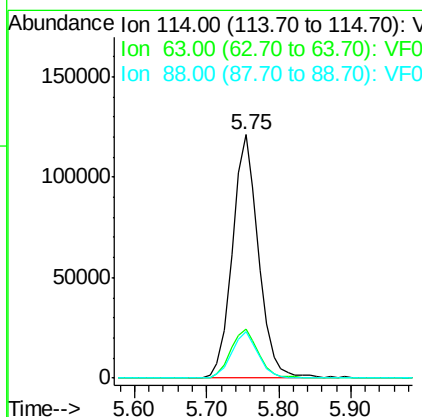
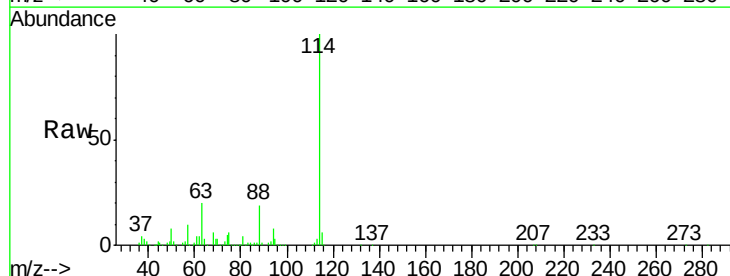
Instrument :
 MSVOA_F
 ClientSampled :
 V-3

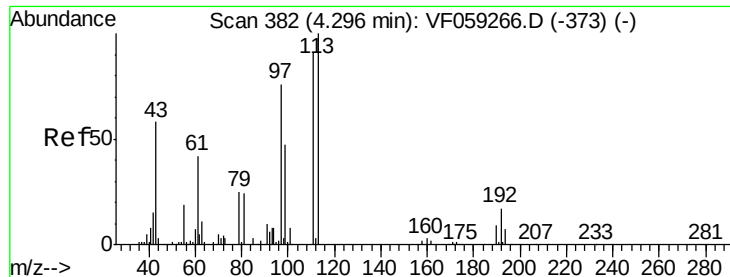
Tgt Ion: 65 Resp: 168369
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 95.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059287.D
 Acq: 22 Jun 2018 21:28

Tgt Ion: 114 Resp: 306275
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.0
 88 19.2 0.0 39.6





#35

Dibromofluoromethane

Concen: 57.519 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059287.D

Acq: 22 Jun 2018 21:28

Instrument :

MSVOA_F

ClientSampled :

V-3

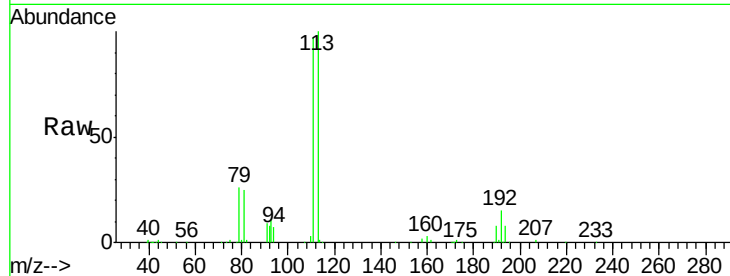
Tgt Ion: 113 Resp: 148216

Ion Ratio Lower Upper

113 100

111 96.8 73.1 109.7

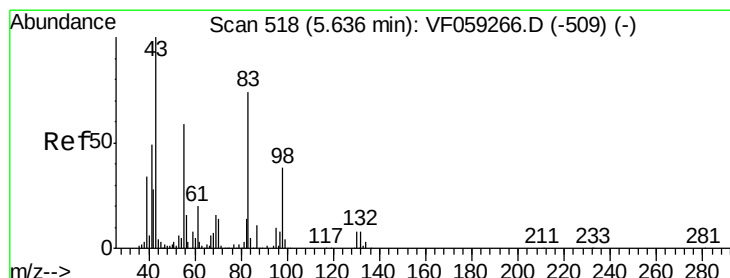
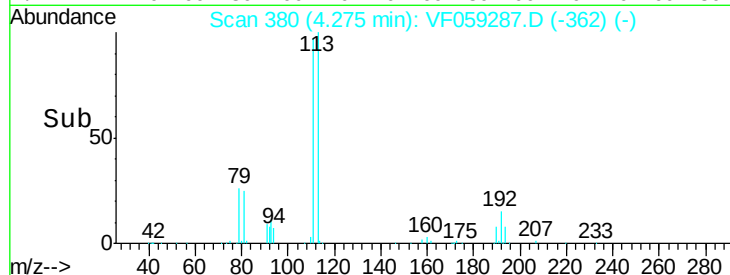
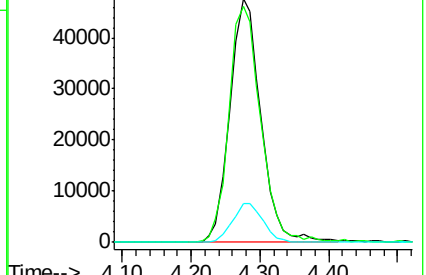
192 15.9 13.9 20.9



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: 1.545 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.13 min

Lab File: VF059287.D

Acq: 22 Jun 2018 21:28

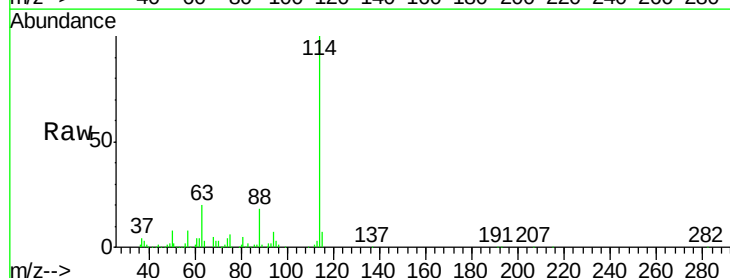
Tgt Ion: 83 Resp: 4449

Ion Ratio Lower Upper

83 100

55 20.9 63.7 95.5#

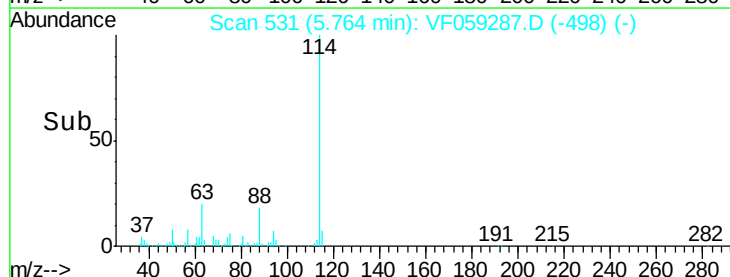
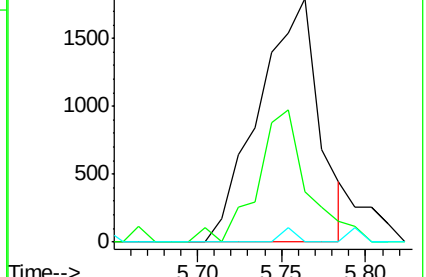
98 0.0 41.6 62.4#

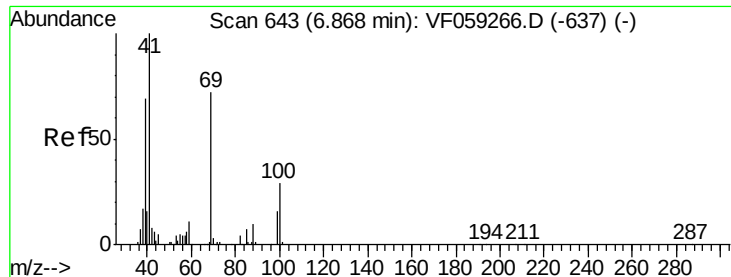


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

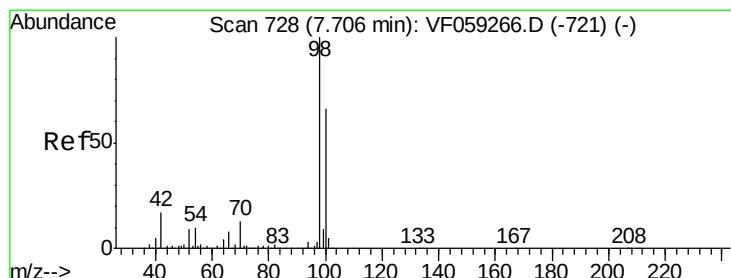
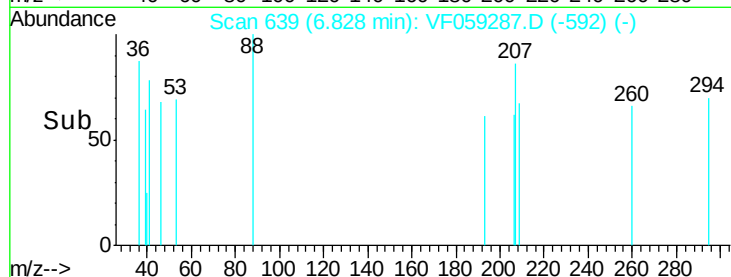
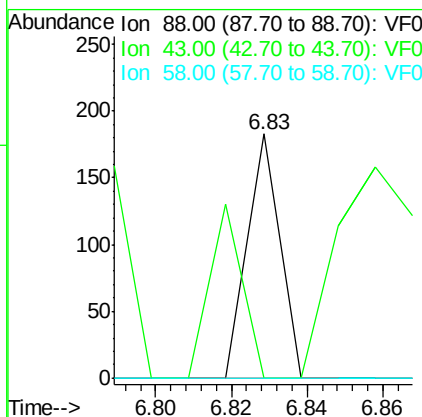
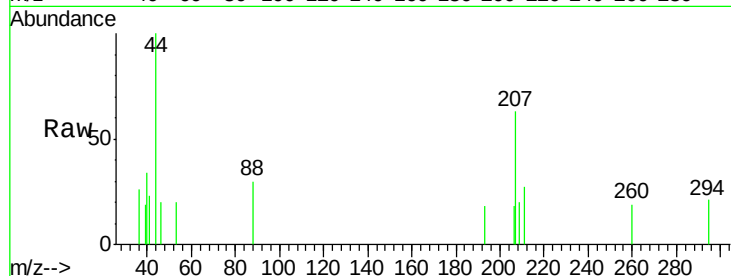




#49
1,4-Dioxane
Concen: 11.672 ug/l
RT: 6.83 min Scan# 639
Delta R.T. -0.04 min
Lab File: VF059287.D
Acq: 22 Jun 2018 21:28

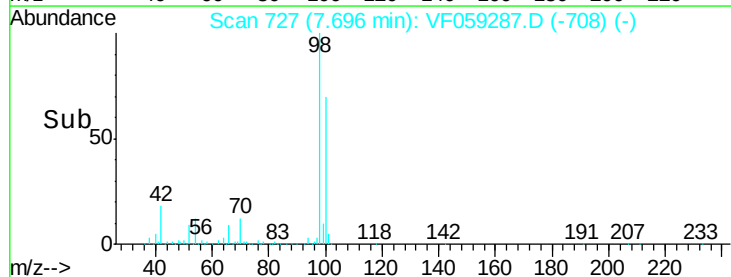
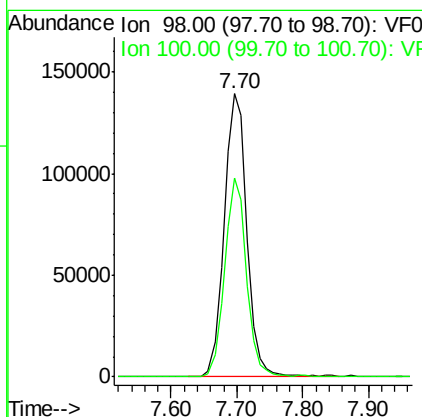
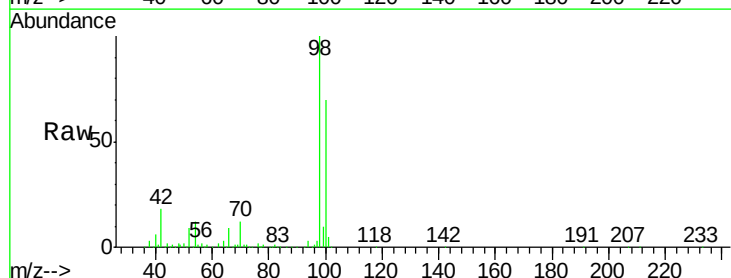
Instrument :
MSVOA_F
ClientSampleId :
V-3

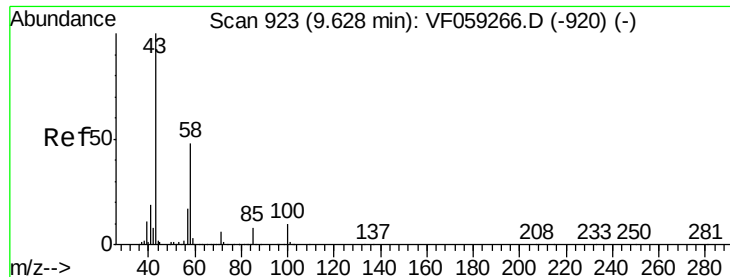
Tgt Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 0.0 55.5 83.3#
58 0.0 50.1 75.1#



#50
Toluene-d8
Concen: 51.164 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059287.D
Acq: 22 Jun 2018 21:28

Tgt Ion: 98 Resp: 335356
Ion Ratio Lower Upper
98 100
100 70.1 52.8 79.2

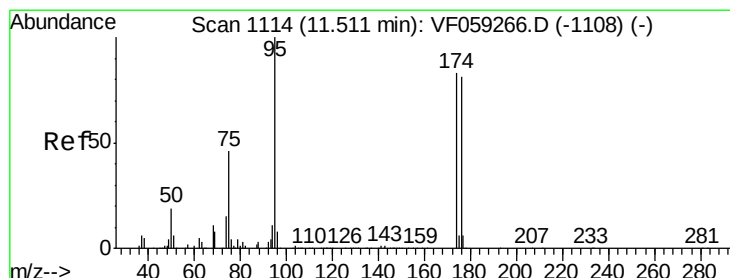
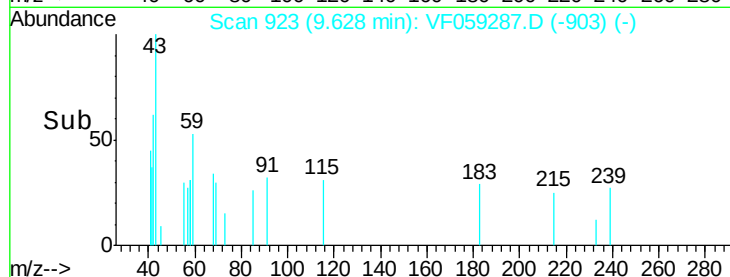
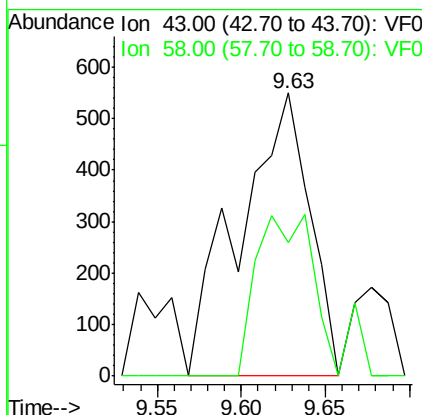
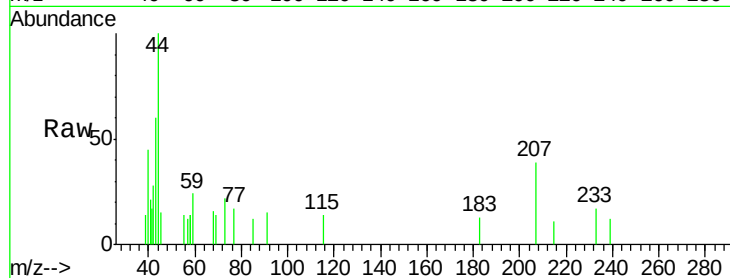




#59
2-Hexanone
Concen: 1.118 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059287.D
Acq: 22 Jun 2018 21:28

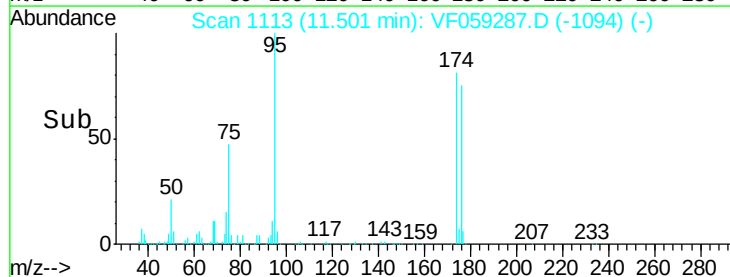
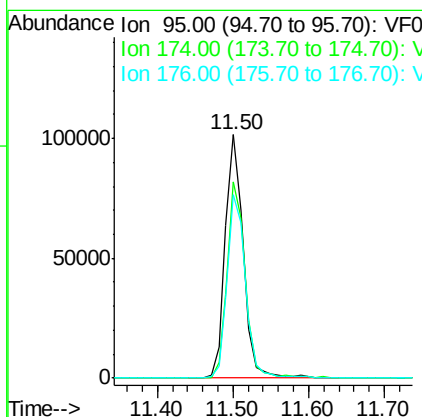
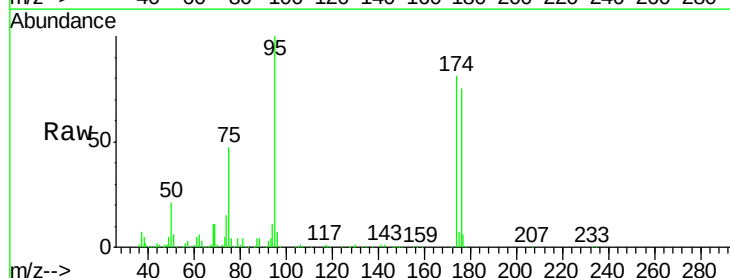
Instrument :
MSVOA_F
ClientSampled :
V-3

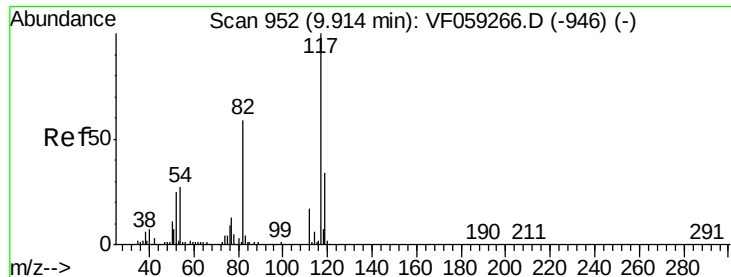
Tgt Ion: 43 Resp: 1593
Ion Ratio Lower Upper
43 100
58 47.1 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 46.280 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059287.D
Acq: 22 Jun 2018 21:28

Tgt Ion: 95 Resp: 168209
Ion Ratio Lower Upper
95 100
174 80.9 0.0 166.2
176 75.2 0.0 162.8

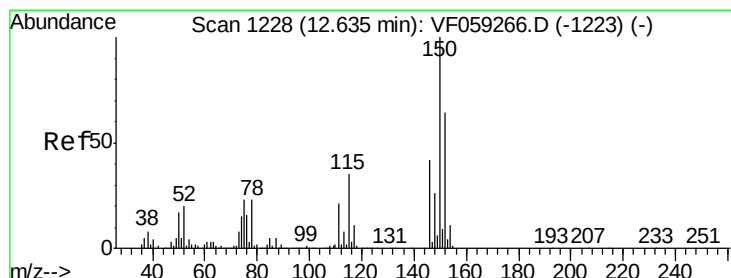
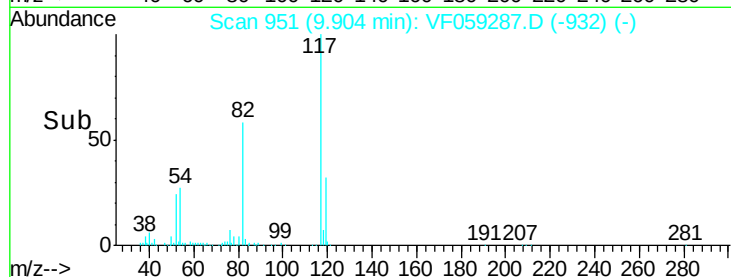
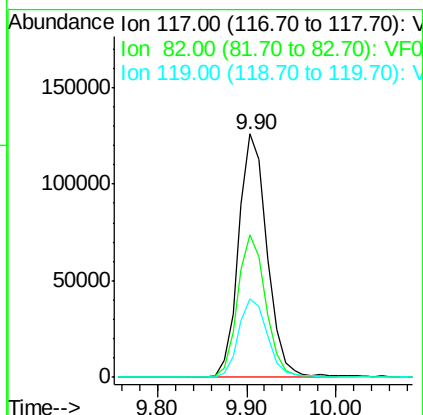
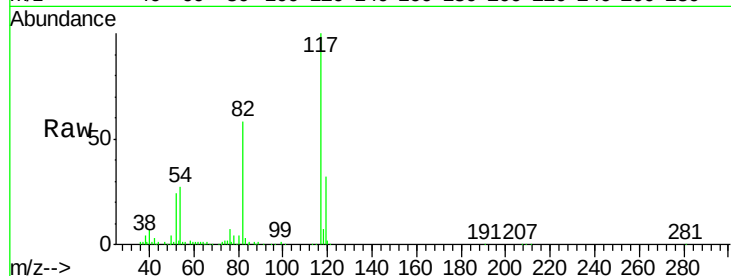




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059287.D
Acq: 22 Jun 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
V-3

Tgt Ion	Resp	Lower	Upper
117	280054		
82	58.4	47.1	70.7
119	32.2	26.9	40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059287.D
Acq: 22 Jun 2018 21:28

Tgt Ion	Resp	Lower	Upper
152	137001		
115	57.9	27.8	83.3
150	154.8	0.0	313.8

