

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059524.D
 Acq On : 18 Jul 2018 20:49
 Operator : VA/AP
 Sample : J3832-03RE
 Misc : 6.45g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 19 01:35:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

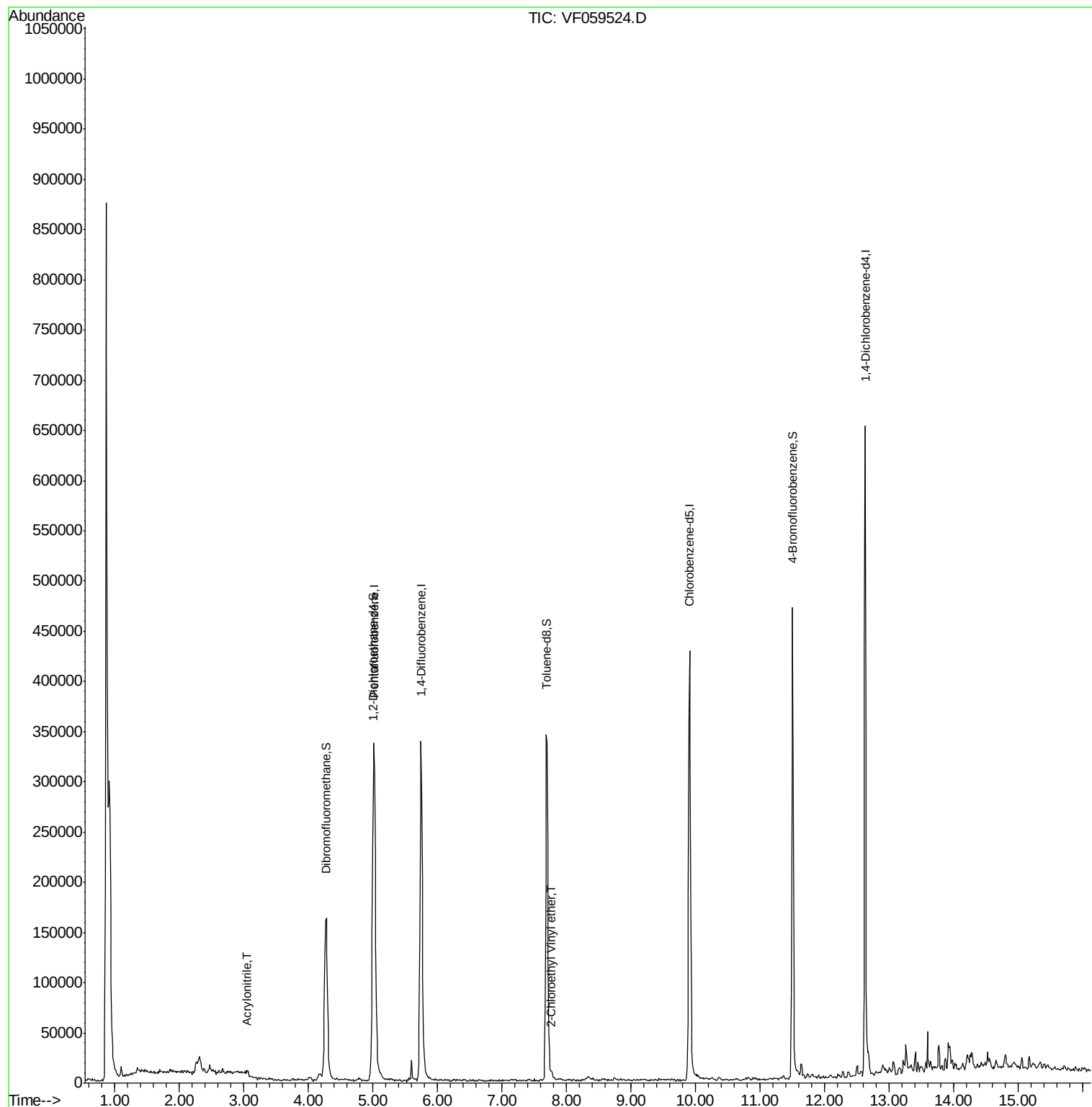
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	228947	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.74	114	336770	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.90	117	307647	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	159839	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	174766	49.08	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	98.16%	
35) Dibromofluoromethane	4.27	113	149347	51.20	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	102.40%	
50) Toluene-d8	7.69	98	285581	38.87	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	77.74%	
62) 4-Bromofluorobenzene	11.50	95	157803	40.94	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	81.88%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.67	59	1959	Below Cal	#	77
13) Acrolein	2.02	56	292	Below Cal		84
15) Acrylonitrile	3.04	53	391	1.309 ug/l	#	31
16) Acetone	2.33	43	11758	Below Cal	#	91
18) Methyl Acetate	2.42	43	1511	Below Cal	#	67
20) Methylene Chloride	2.26	84	3921	Below Cal	#	88
29) Tetrahydrofuran	4.25	42	530	Below Cal	#	38
37) Ethyl Acetate	4.27	43	132	Below Cal	#	41
49) 1,4-Dioxane	6.86	88	62	Below Cal	#	15
58) 2-Chloroethyl Vinyl ether	7.77	63	382	1.899 ug/l		100

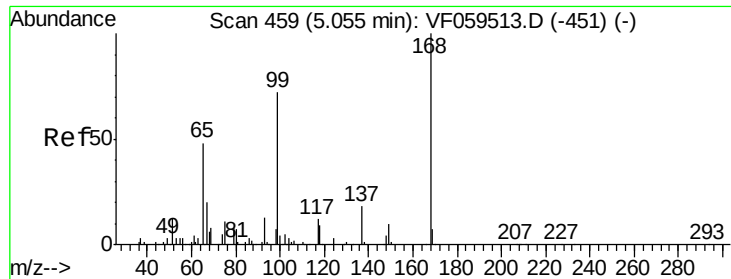
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.04 min

Lab File: VF059524.D

Acq: 18 Jul 2018 20:49

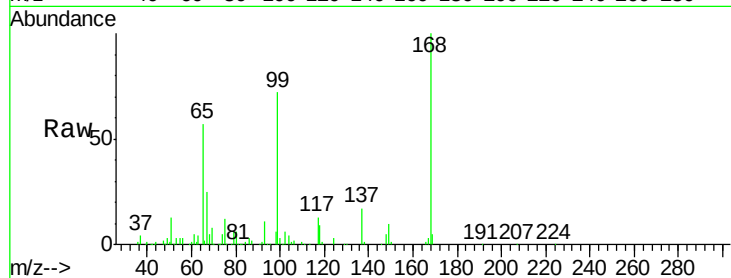
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 228947

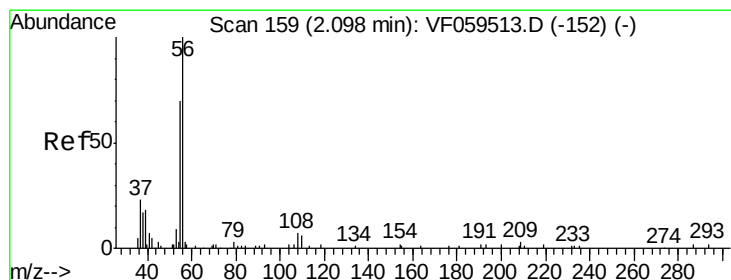
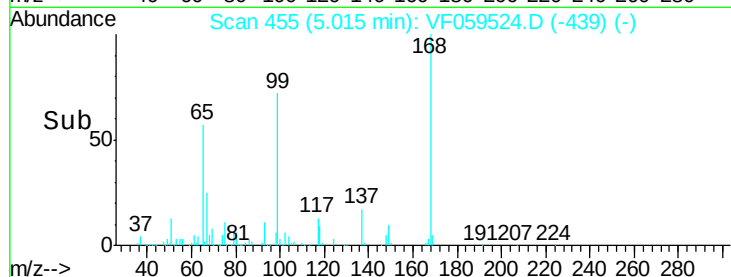
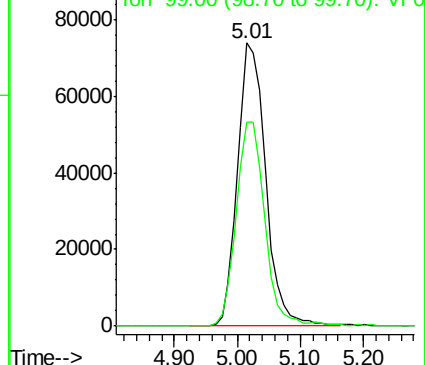
Ion Ratio Lower Upper

168 100

99 72.0 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#13

Acrolein

Concen: Below Cal

RT: 2.02 min Scan# 151

Delta R.T. -0.08 min

Lab File: VF059524.D

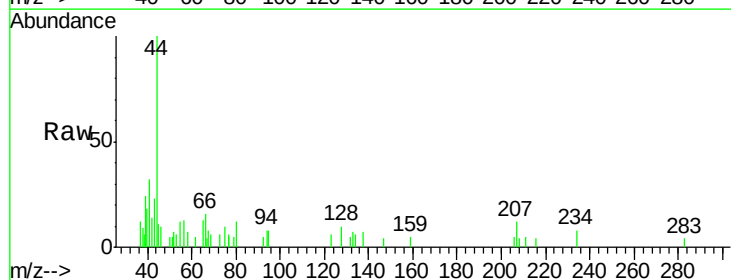
Acq: 18 Jul 2018 20:49

Tgt Ion: 56 Resp: 292

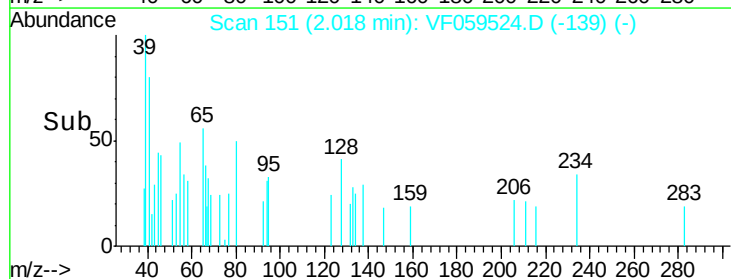
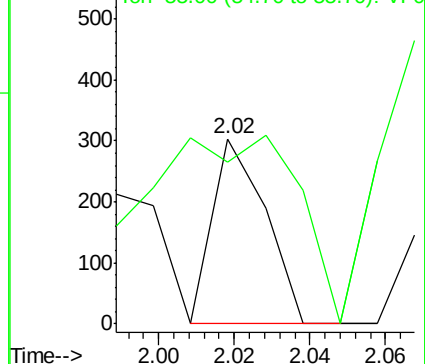
Ion Ratio Lower Upper

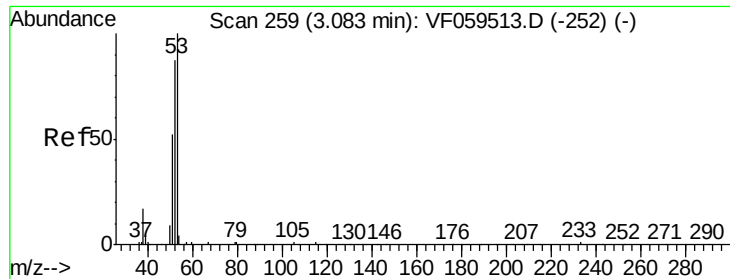
56 100

55 87.5 59.4 89.2



Abundance Ion 56.00 (55.70 to 56.70): VF0





#15

Acrylonitrile

Concen: 1.309 ug/l

RT: 3.04 min Scan# 255

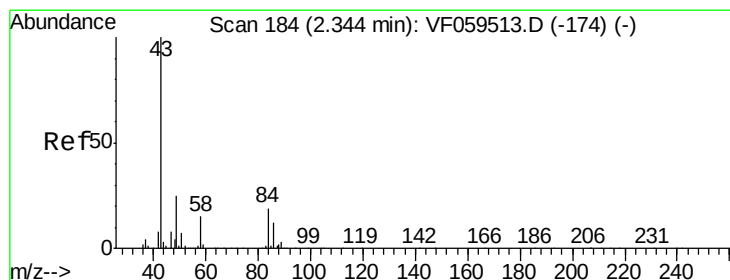
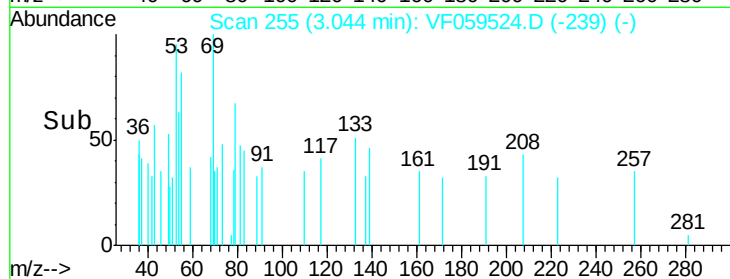
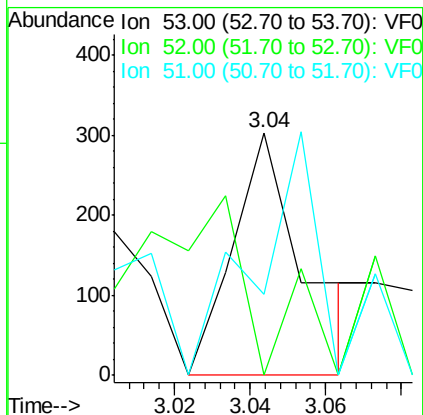
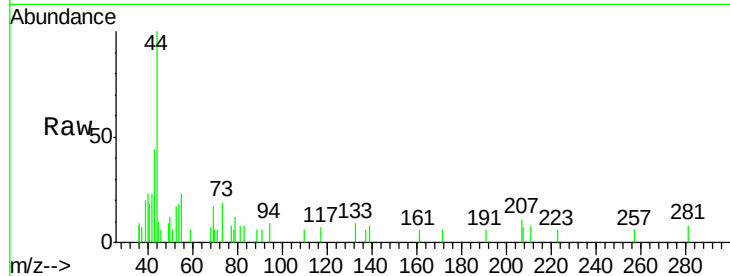
Delta R.T. -0.04 min

Lab File: VF059524.D

Acq: 18 Jul 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	391
Ion	Ratio	Lower	Upper
53	100		
52	0.0	70.1	105.1#
51	33.7	42.5	63.7#



#16

Acetone

Concen: Below Cal

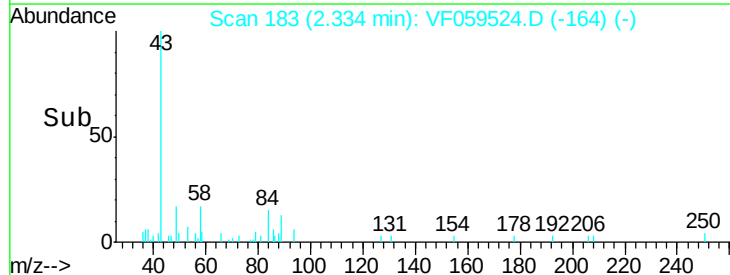
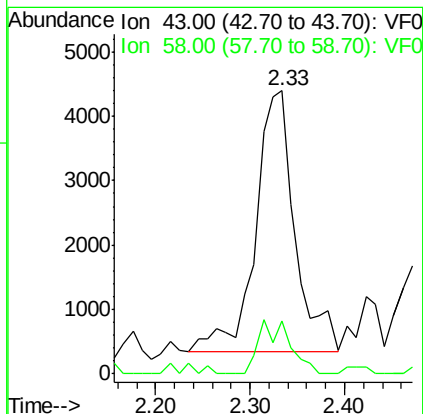
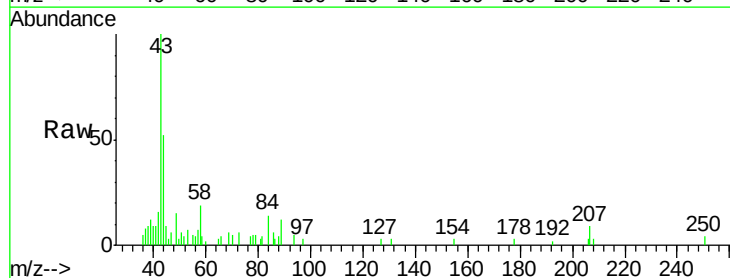
RT: 2.33 min Scan# 183

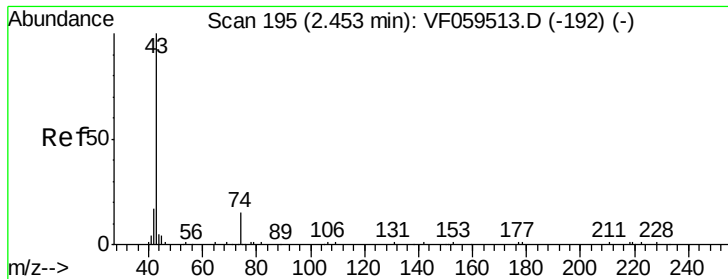
Delta R.T. -0.01 min

Lab File: VF059524.D

Acq: 18 Jul 2018 20:49

Tgt Ion:	43	Resp:	11758
Ion	Ratio	Lower	Upper
43	100		
58	18.5	11.8	17.6#

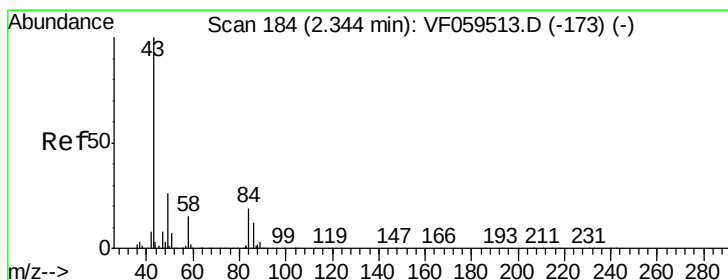
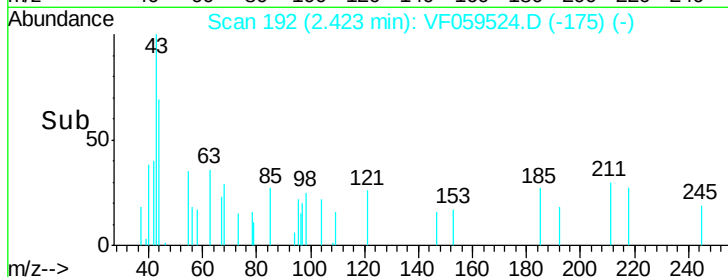
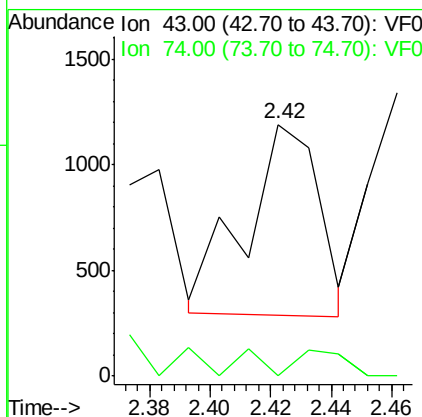
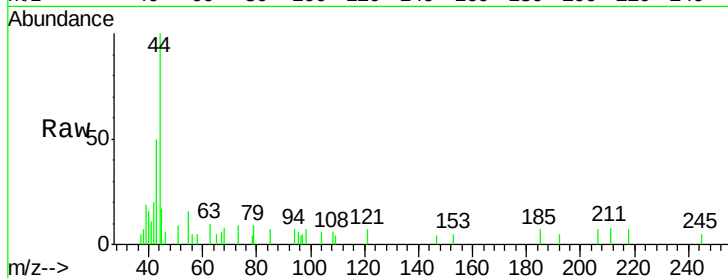




#18
Methyl Acetate
Concen: Below Cal
RT: 2.42 min Scan# 192
Delta R.T. -0.03 min
Lab File: VF059524.D
Acq: 18 Jul 2018 20:49

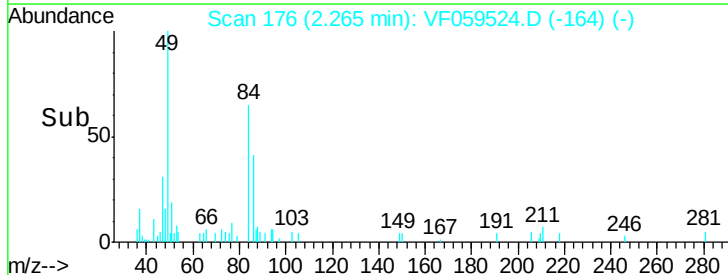
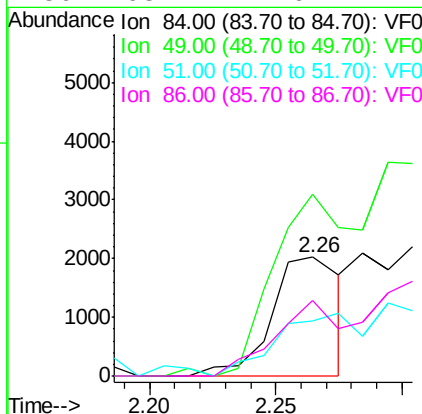
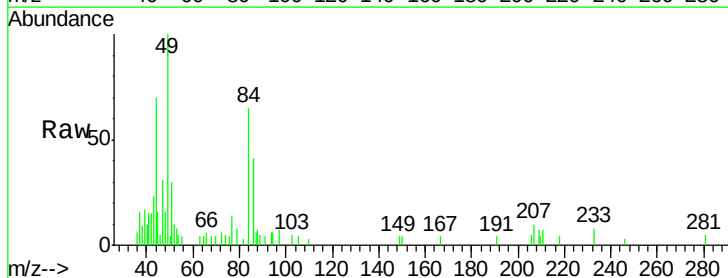
Instrument :
MSVOA_F
ClientSampled :

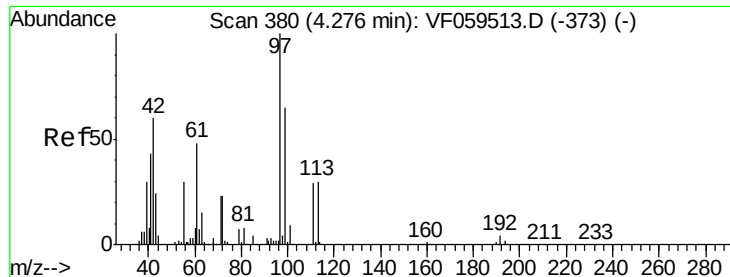
Tot Ion: 43 Resp: 1511
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 176
Delta R.T. -0.08 min
Lab File: VF059524.D
Acq: 18 Jul 2018 20:49

Tgt Ion: 84 Resp: 3921
Ion Ratio Lower Upper
84 100
49 153.7 109.4 164.2
51 46.8 30.5 45.7#
86 63.7 47.6 71.4

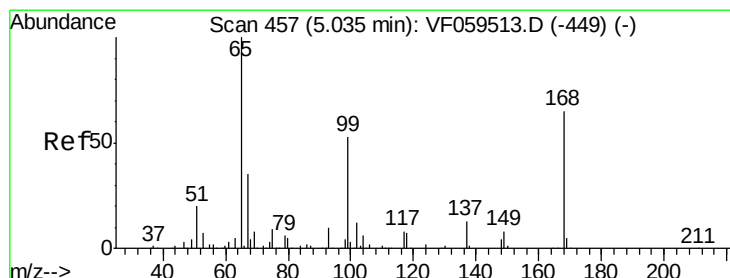
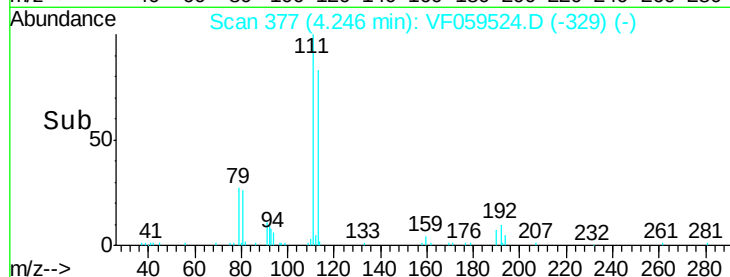
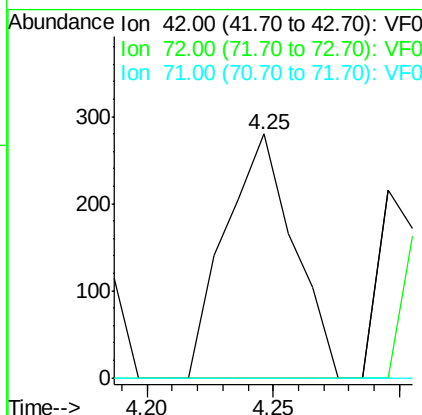
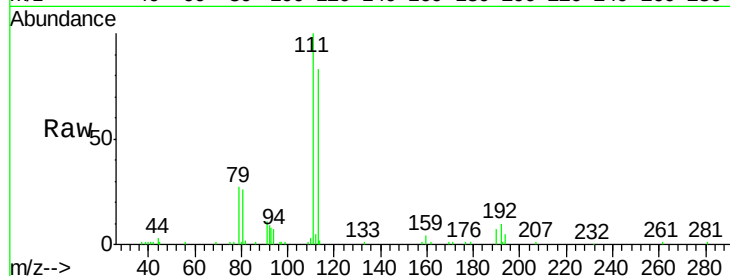




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF059524.D
Acq: 18 Jul 2018 20:49

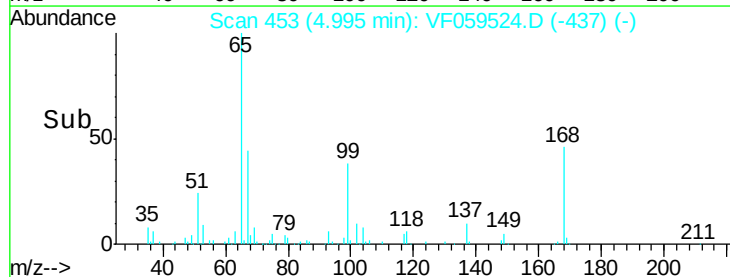
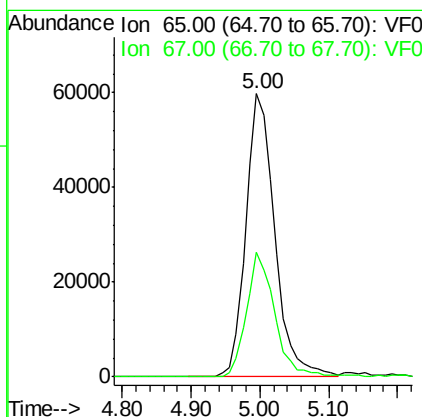
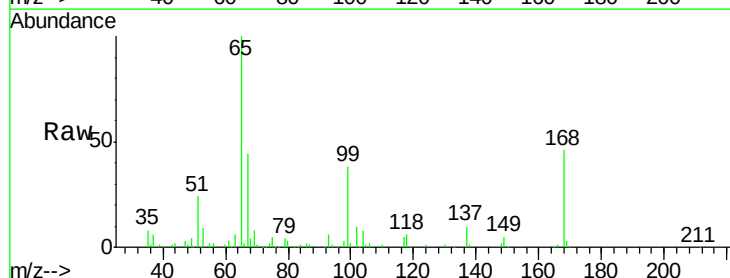
Instrument :
MSVOA_F
ClientSampleId :

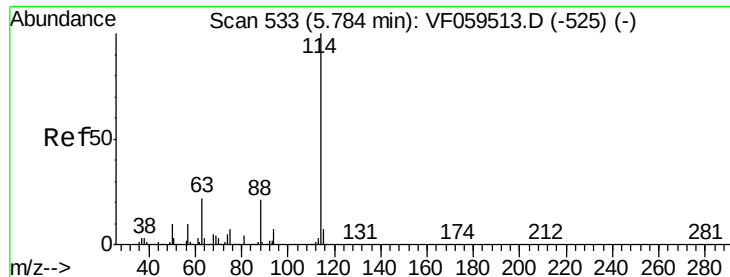
Tot Ion: 42 Resp: 530
Ion Ratio Lower Upper
42 100
72 0.0 28.7 43.1#
71 0.0 30.8 46.2#



#33
1,2-Dichloroethane-d4
Concen: 49.082 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.04 min
Lab File: VF059524.D
Acq: 18 Jul 2018 20:49

Tgt Ion: 65 Resp: 174766
Ion Ratio Lower Upper
65 100
67 43.9 0.0 91.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.04 min

Lab File: VF059524.D

Acq: 18 Jul 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

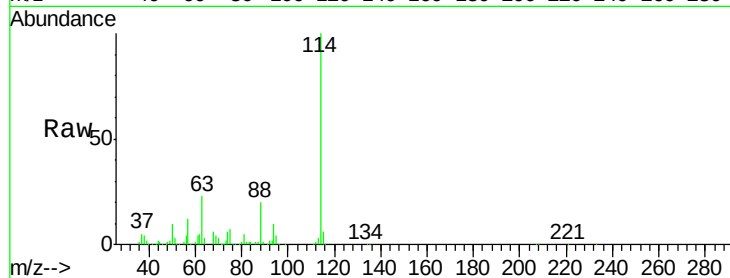
Tot Ion:114 Resp: 336770

Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.8

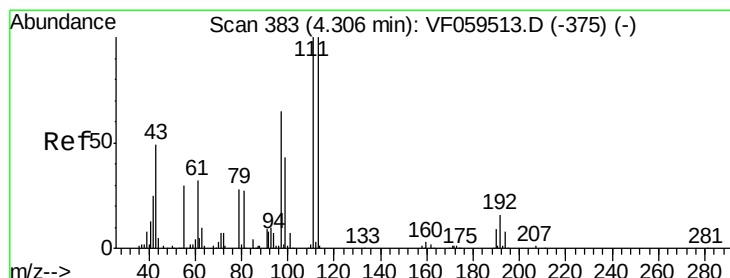
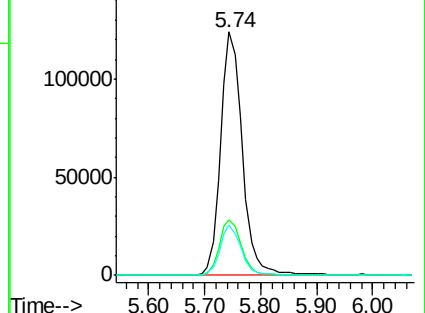
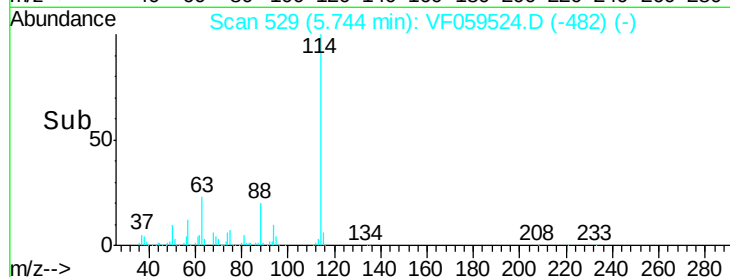
88 20.4 0.0 42.6



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: 51.204 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.04 min

Lab File: VF059524.D

Acq: 18 Jul 2018 20:49

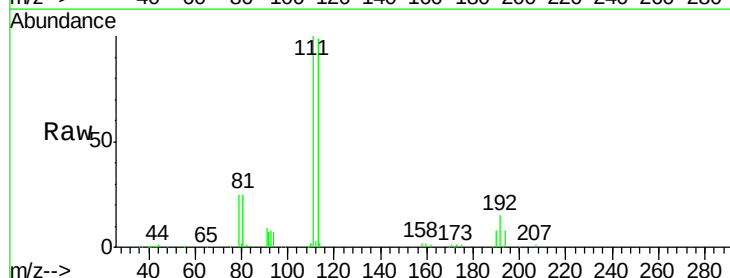
Tgt Ion:113 Resp: 149347

Ion Ratio Lower Upper

113 100

111 101.3 80.3 120.5

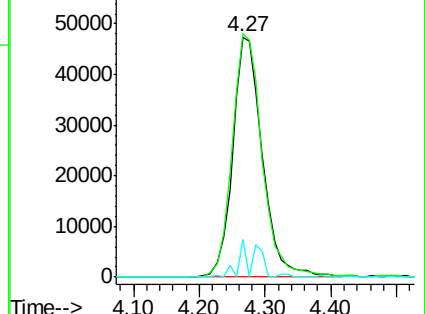
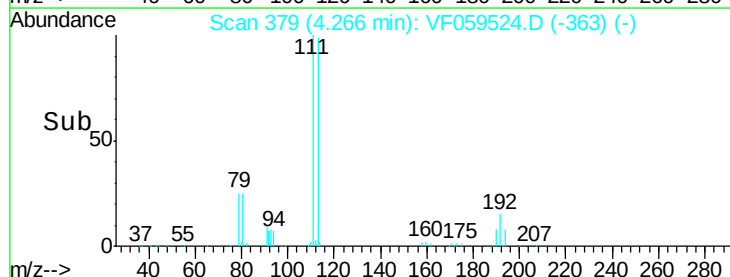
192 15.7 13.1 19.7

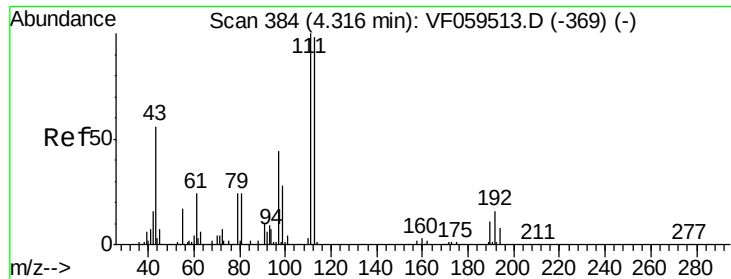


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

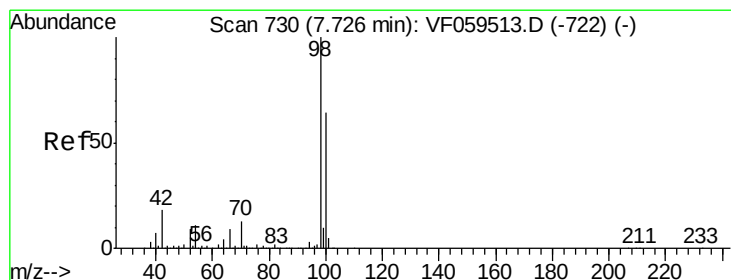
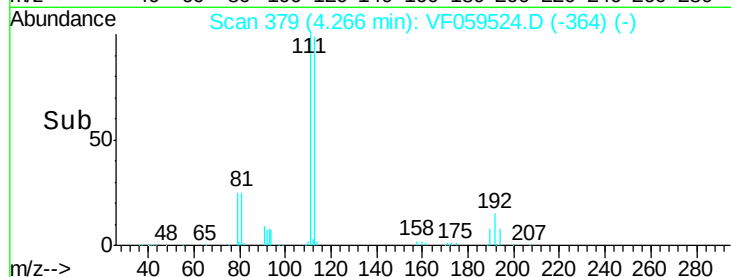
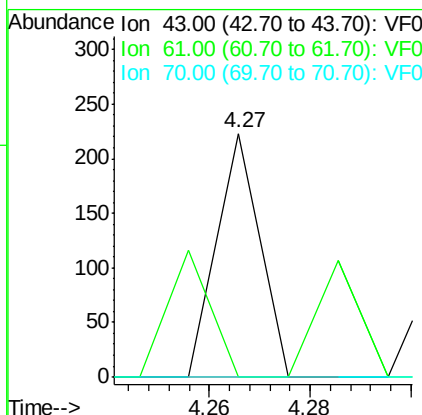
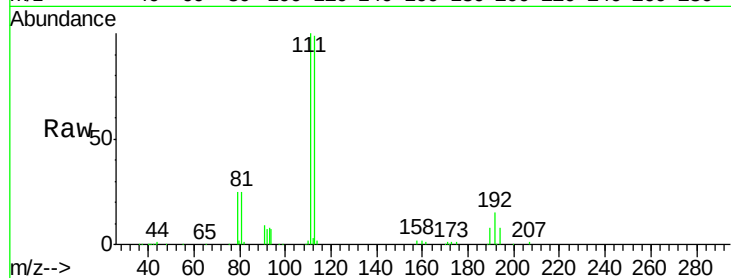




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.05 min
Lab File: VF059524.D
Acq: 18 Jul 2018 20:49

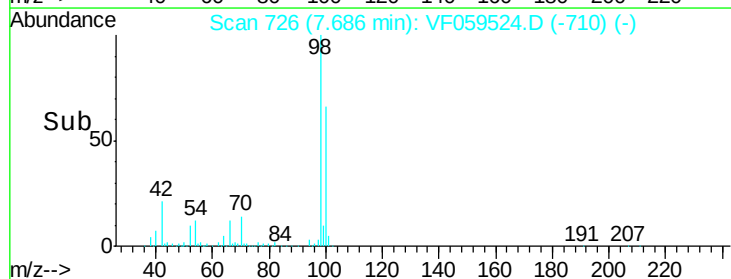
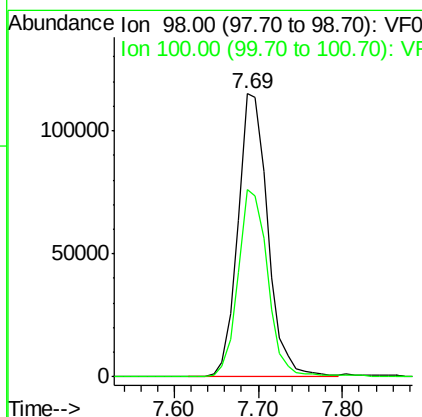
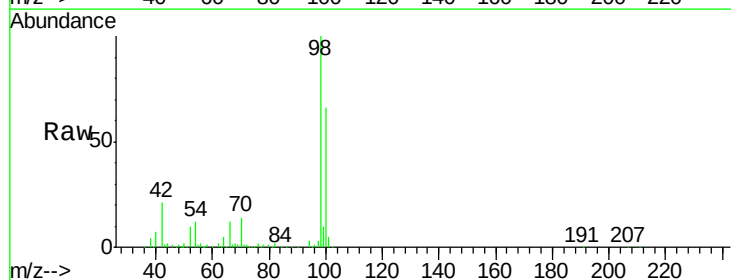
Instrument :
MSVOA_F
ClientSampled :

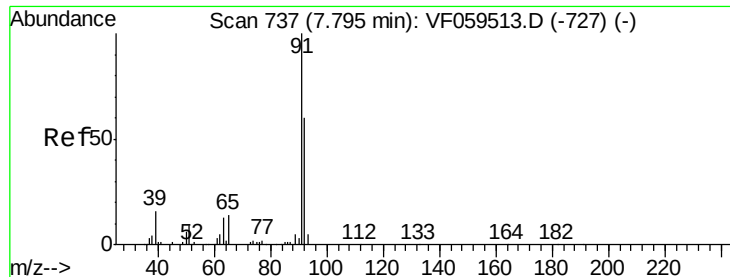
Tot Ion: 43 Resp: 132
Ion Ratio Lower Upper
43 100
61 0.0 33.7 50.5#
70 0.0 7.4 11.0#



#50
Toluene-d8
Concen: 38.871 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.04 min
Lab File: VF059524.D
Acq: 18 Jul 2018 20:49

Tgt Ion: 98 Resp: 285581
Ion Ratio Lower Upper
98 100
100 66.3 50.9 76.3

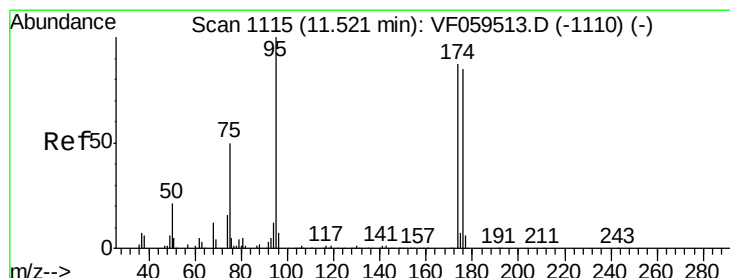
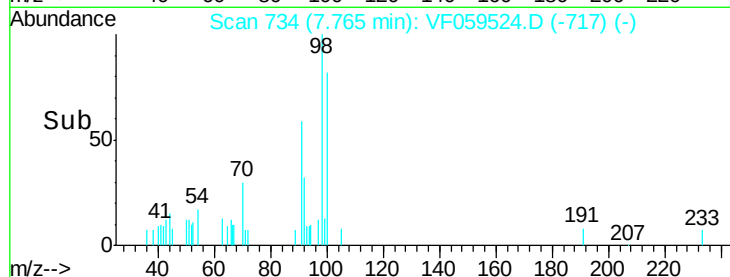
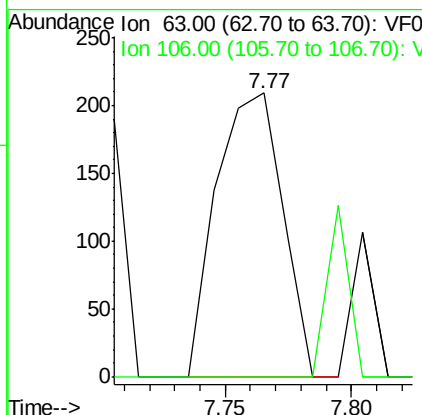
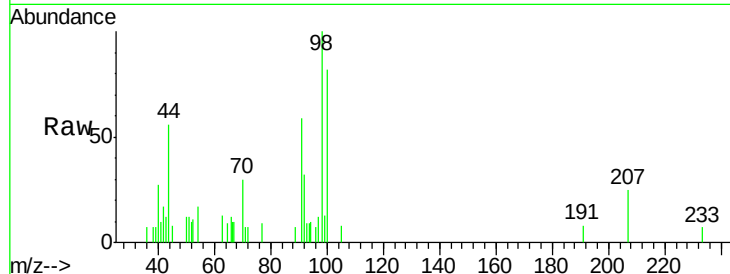




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.899 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.03 min
 Lab File: VF059524.D
 Acq: 18 Jul 2018 20:49

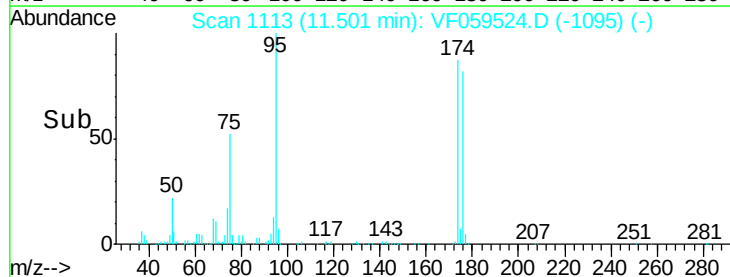
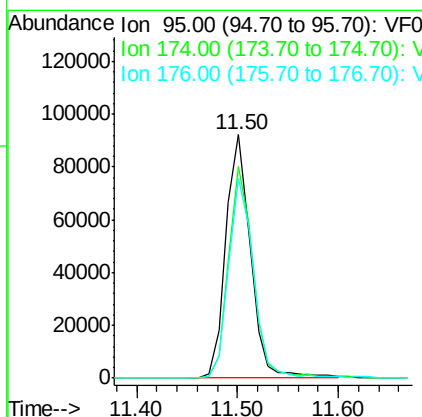
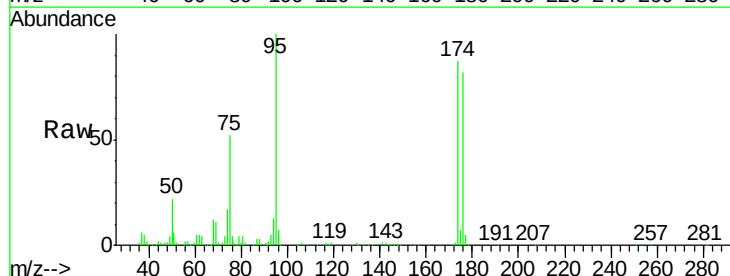
Instrument :
 MSVOA_F
 ClientSampleId :

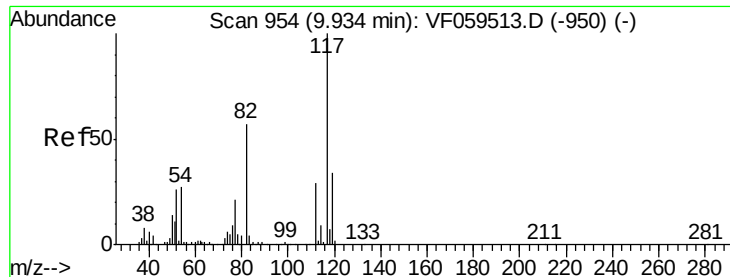
Tot Ion: 63 Resp: 382
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 40.943 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.02 min
 Lab File: VF059524.D
 Acq: 18 Jul 2018 20:49

Tgt Ion: 95 Resp: 157803
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 174.4
 176 82.3 0.0 169.4

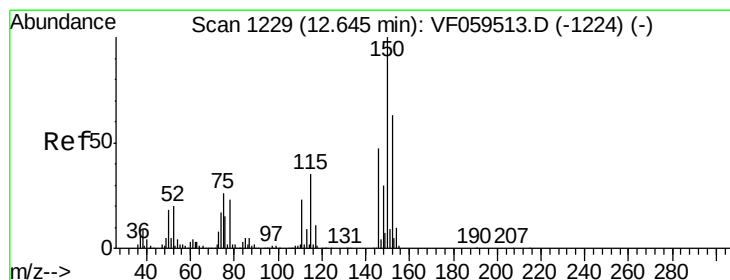
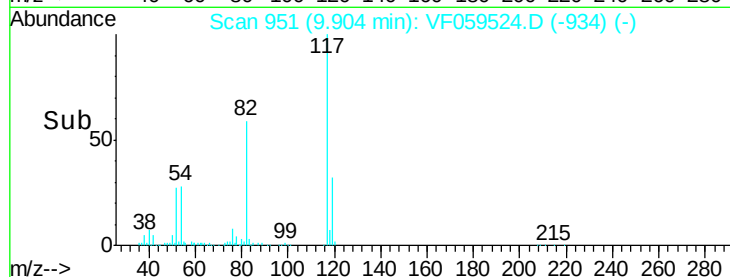
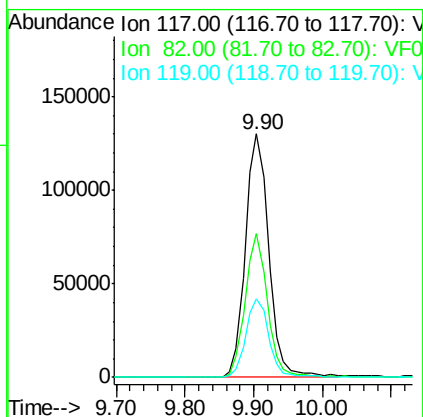
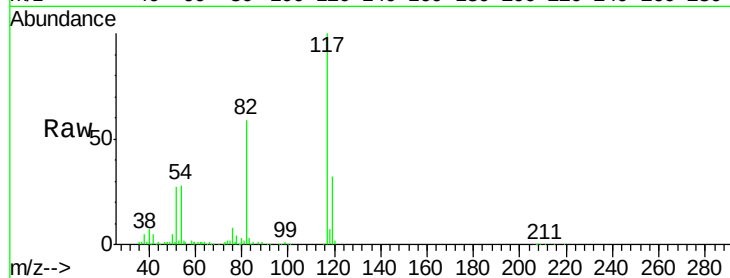




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059524.D
Acq: 18 Jul 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.1	69.1
119	32.3	27.2	40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059524.D
Acq: 18 Jul 2018 20:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	27.8	83.3
150	152.8	0.0	318.4

