

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059607.D
 Acq On : 21 Jul 2018 3:22
 Operator : VA/AP
 Sample : J3827-03
 Misc : 5.39g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 21 03:59:38 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

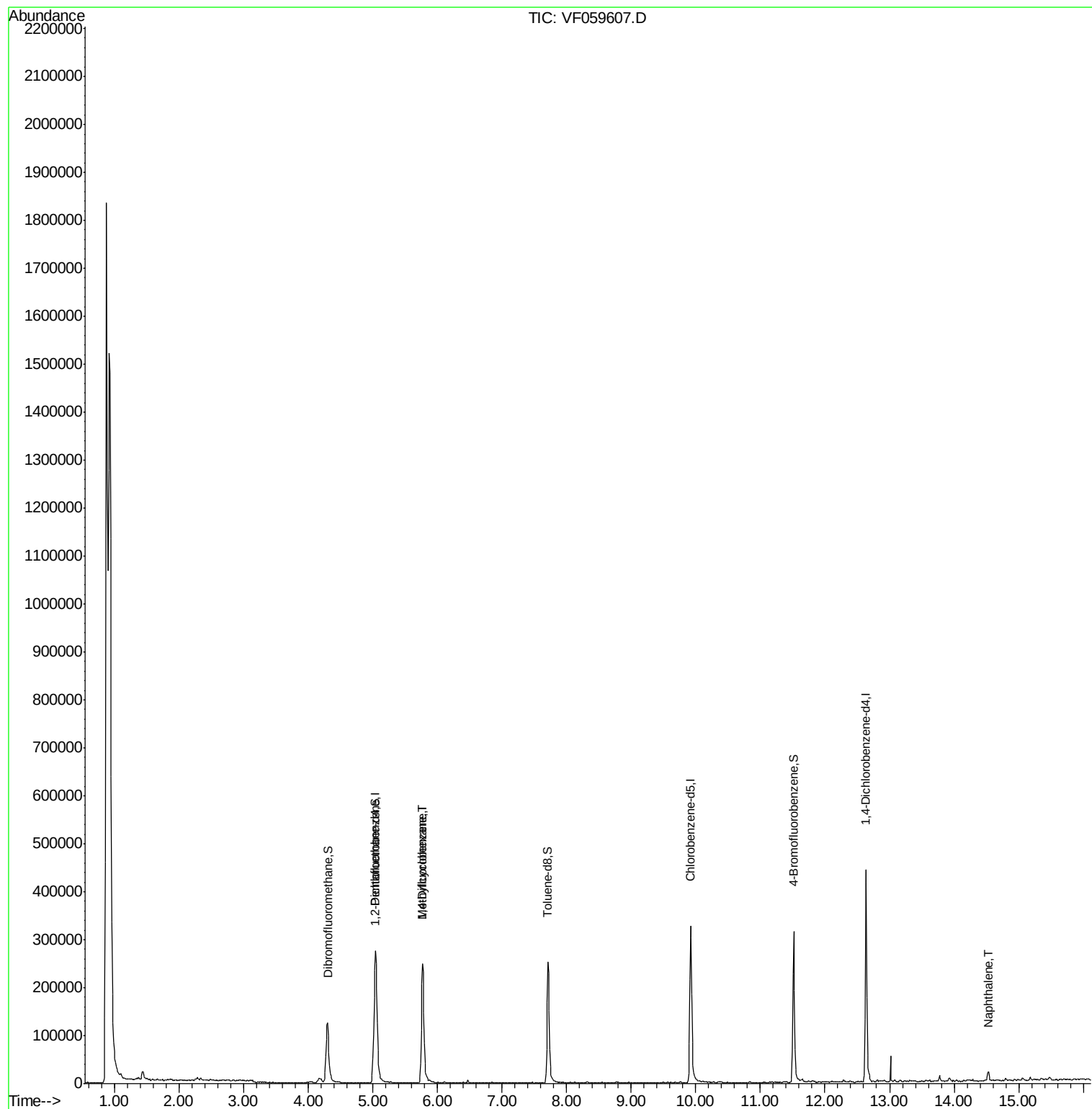
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	188493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	258205	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	237782	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	120352	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	135501	46.22	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.44%	
35) Dibromofluoromethane	4.29	113	114343	51.13	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	102.26%	
50) Toluene-d8	7.71	98	208270	36.97	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	73.94%	
62) 4-Bromofluorobenzene	11.52	95	111211	37.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.26%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.69	59	381	Below Cal	#	1
13) Acrolein	2.08	56	109	Below Cal	#	64
16) Acetone	2.33	43	3748	Below Cal	#	90
18) Methyl Acetate	2.47	43	766	Below Cal	#	67
20) Methylene Chloride	2.28	84	2093	Below Cal	#	77
29) Tetrahydrofuran	4.25	42	226	Below Cal	#	38
37) Ethyl Acetate	4.32	43	173	Below Cal	#	41
39) Methylcyclohexane	5.76	83	2757	1.406	ug/l #	28
49) 1,4-Dioxane	6.81	88	64	Below Cal	#	48
95) Naphthalene	14.53	128	11978	2.717	ug/l #	91

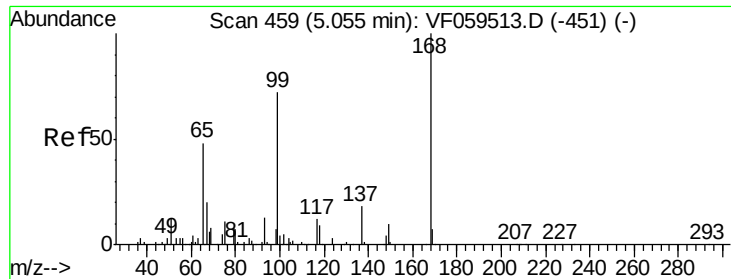
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059607.D

Acq: 21 Jul 2018 3:22

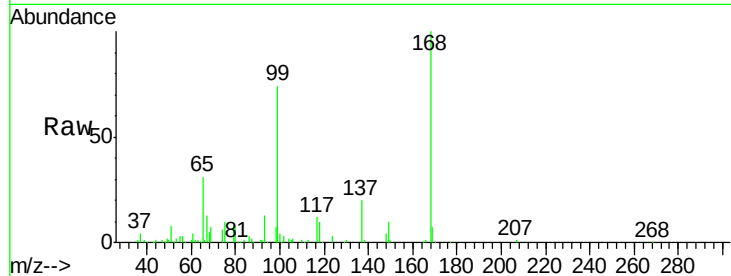
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 188493

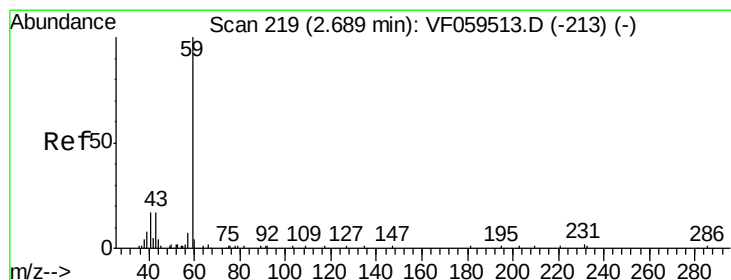
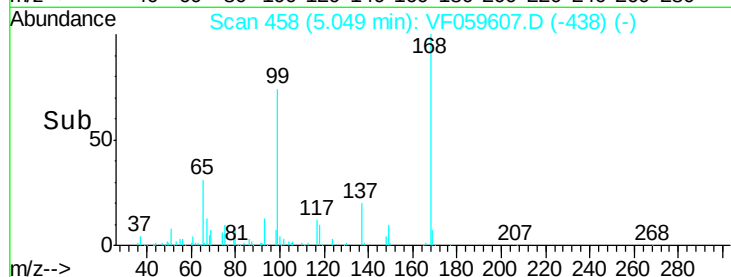
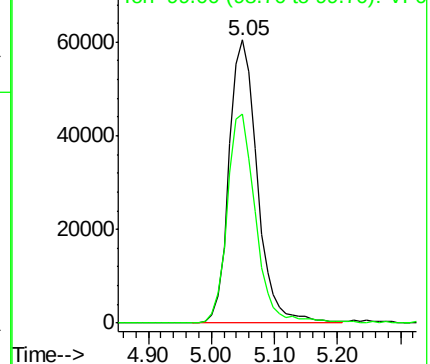
Ion Ratio Lower Upper

168 100

99 73.9 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.69 min Scan# 219

Delta R.T. 0.00 min

Lab File: VF059607.D

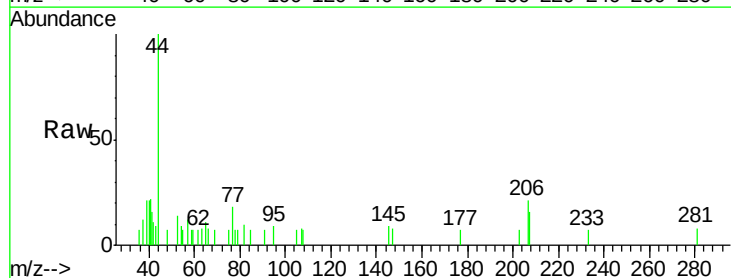
Acq: 21 Jul 2018 3:22

Tgt Ion: 59 Resp: 381

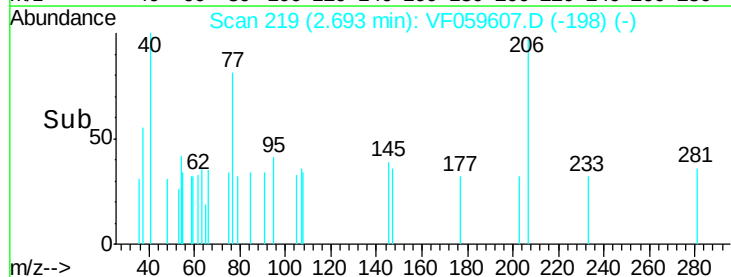
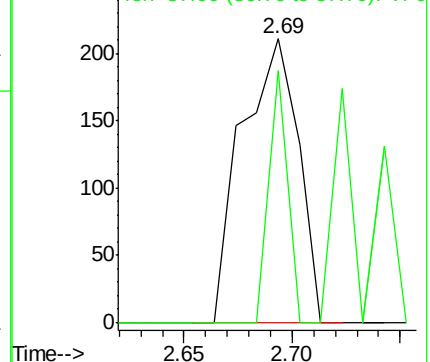
Ion Ratio Lower Upper

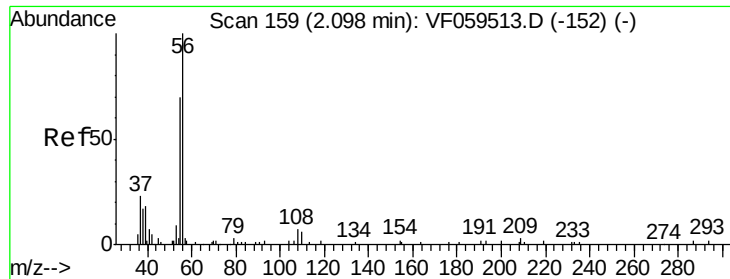
59 100

57 88.6 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

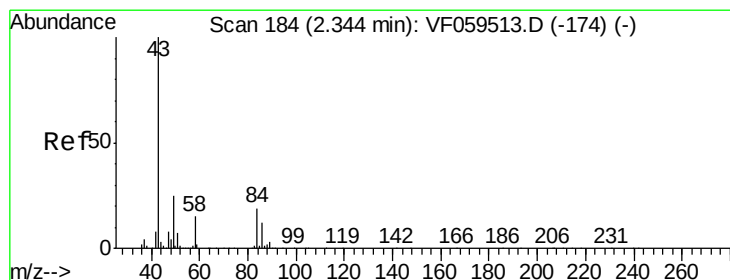
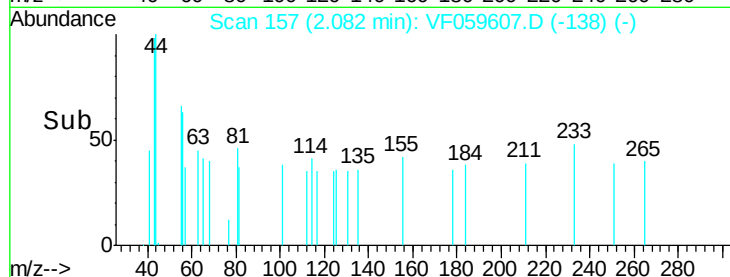
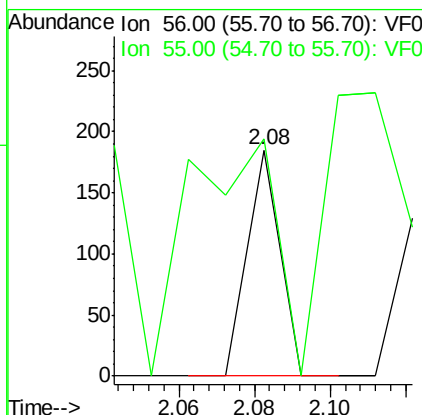
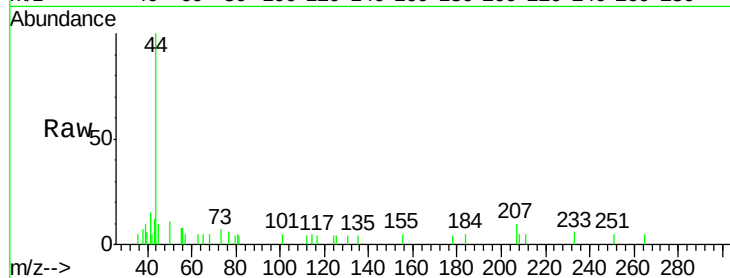




#13
Acrolein
Concen: Below Cal
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF059607.D
Acq: 21 Jul 2018 3:22

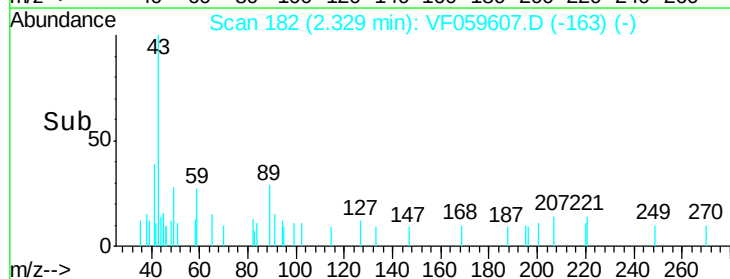
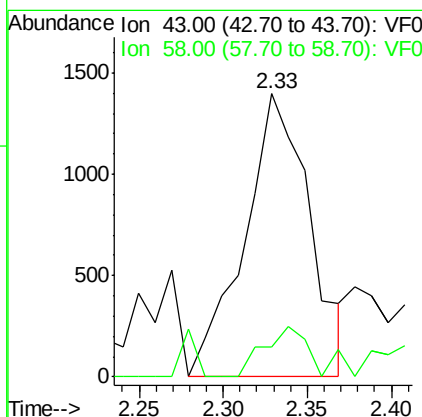
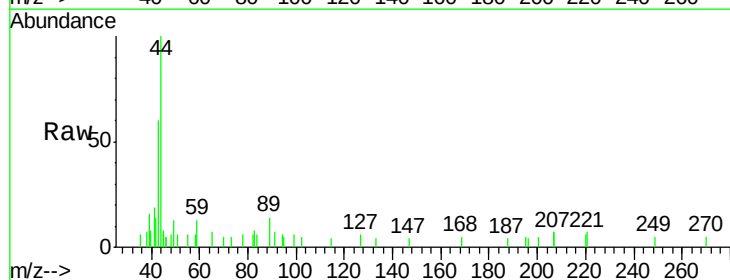
Instrument :
MSVOA_F
ClientSampled :

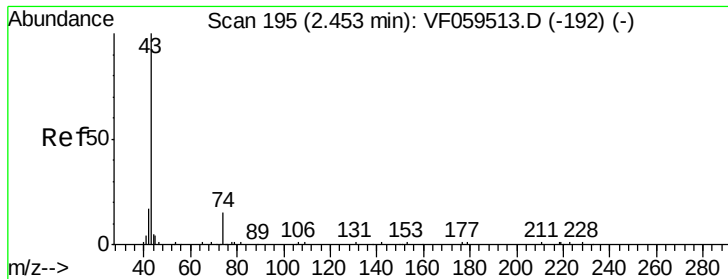
Tot Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 104.9 59.4 89.2#



#16
Acetone
Concen: Below Cal
RT: 2.33 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF059607.D
Acq: 21 Jul 2018 3:22

Tgt Ion: 43 Resp: 3748
Ion Ratio Lower Upper
43 100
58 10.6 11.8 17.6#

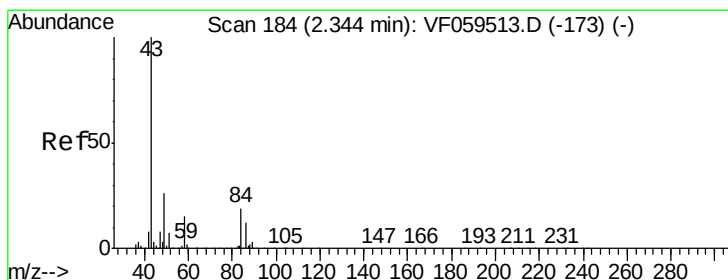
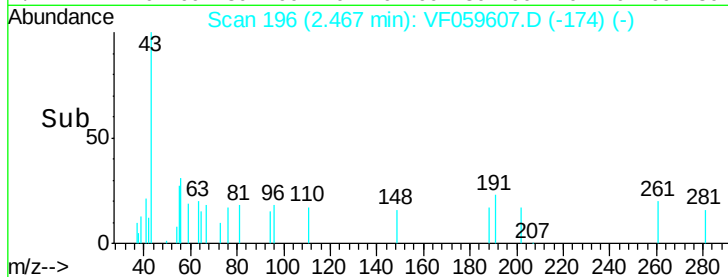
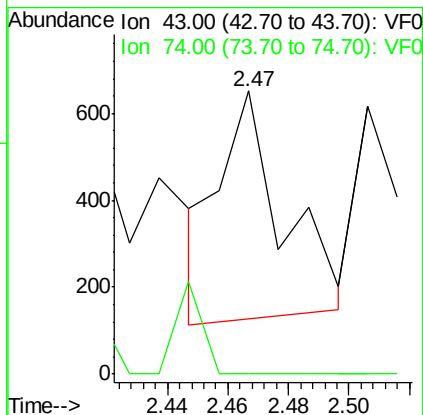
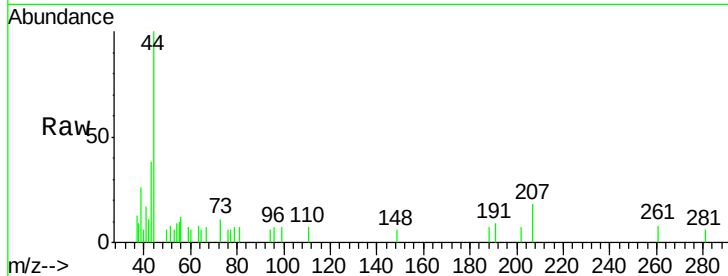




#18
Methyl Acetate
Concen: Below Cal
RT: 2.47 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF059607.D
Acq: 21 Jul 2018 3:22

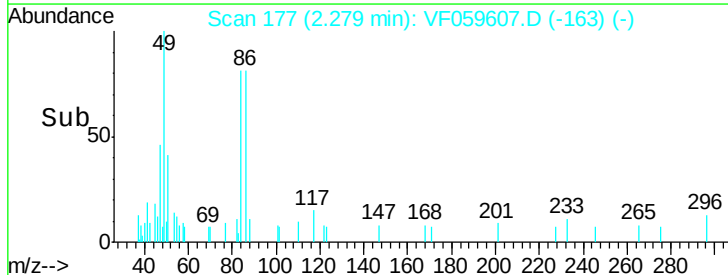
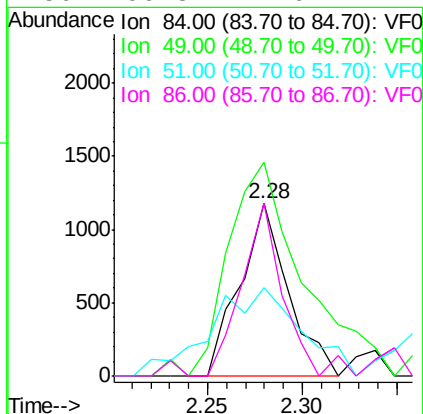
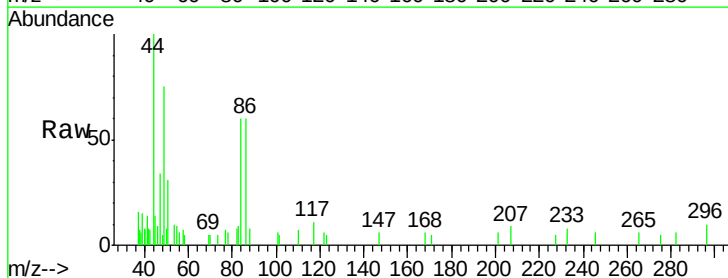
Instrument :
MSVOA_F
ClientSampleId :

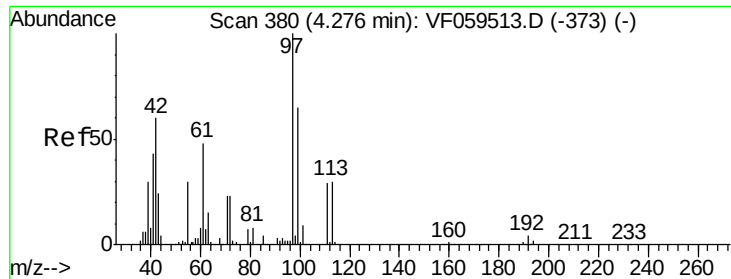
Tot Ion: 43 Resp: 766
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. -0.06 min
Lab File: VF059607.D
Acq: 21 Jul 2018 3:22

Tgt Ion: 84 Resp: 2093
Ion Ratio Lower Upper
84 100
49 124.1 109.4 164.2
51 51.4 30.5 45.7#
86 100.3 47.6 71.4#

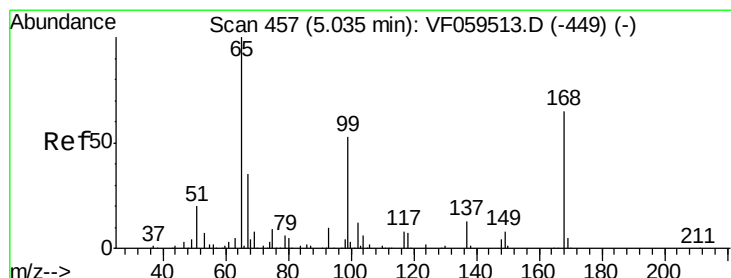
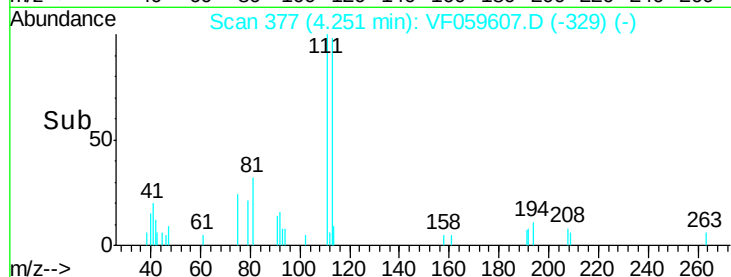
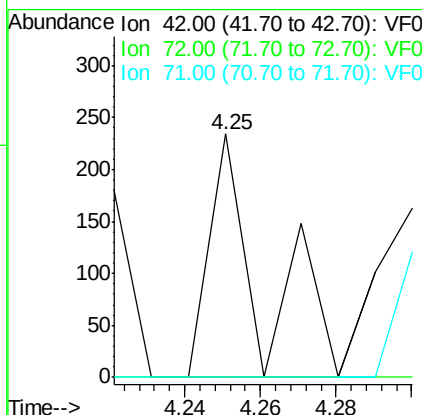
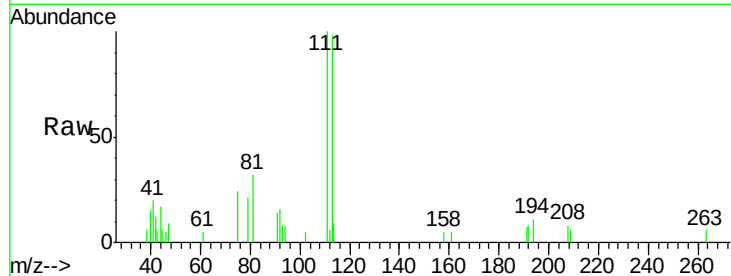




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF059607.D
Acq: 21 Jul 2018 3:22

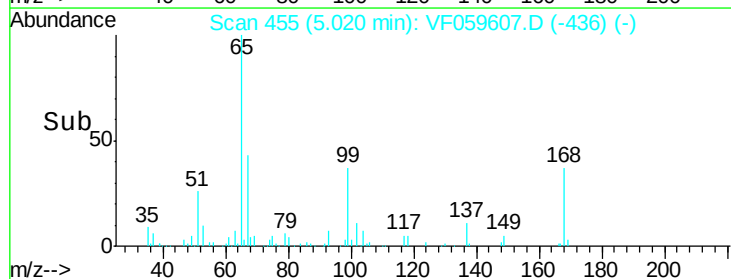
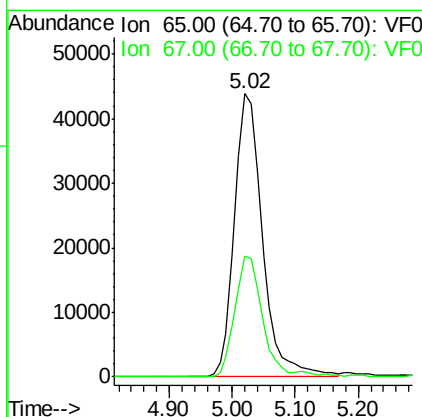
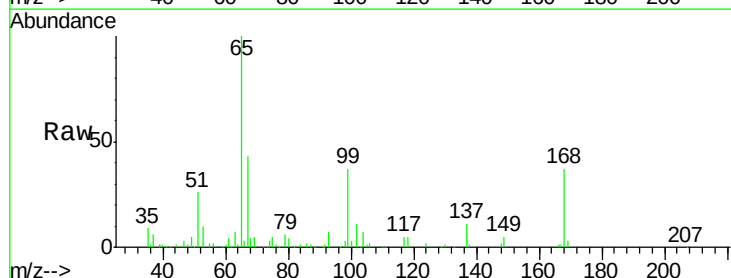
Instrument :
MSVOA_F
ClientSampled :

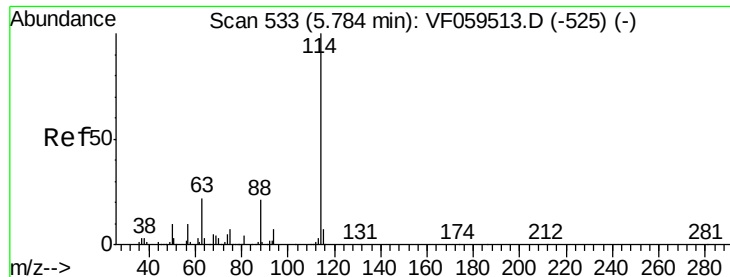
Tot Ion	42	Resp	226
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.7	43.1#
71	0.0	30.8	46.2#



#33
1,2-Dichloroethane-d4
Concen: 46.222 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.02 min
Lab File: VF059607.D
Acq: 21 Jul 2018 3:22

Tgt Ion	65	Resp	135501
Ion	Ratio	Lower	Upper
65	100		
67	42.6	0.0	91.2

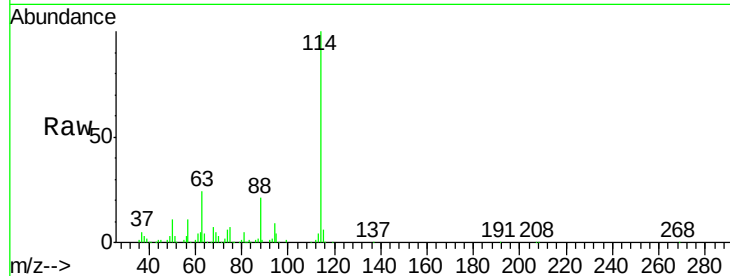




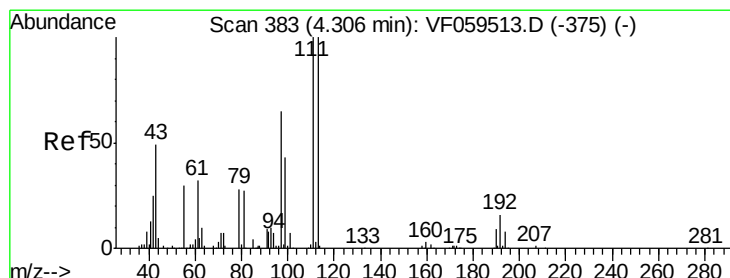
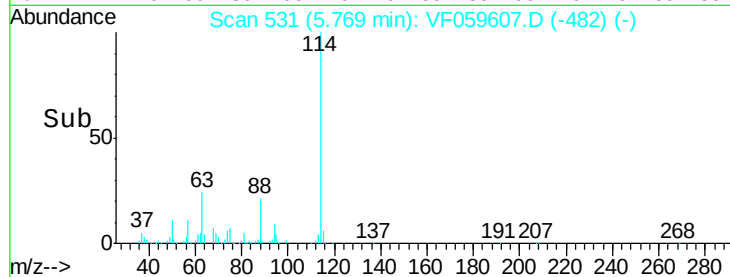
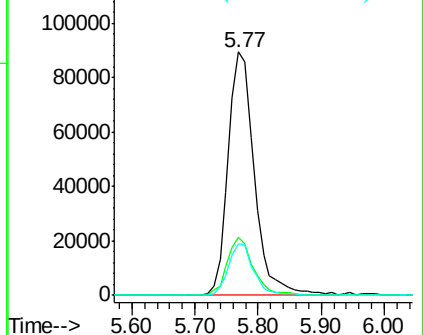
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.77 min Scan# 531
Delta R.T. -0.02 min
Lab File: VF059607.D
Acq: 21 Jul 2018 3:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	44.8
88	21.4	0.0	42.6

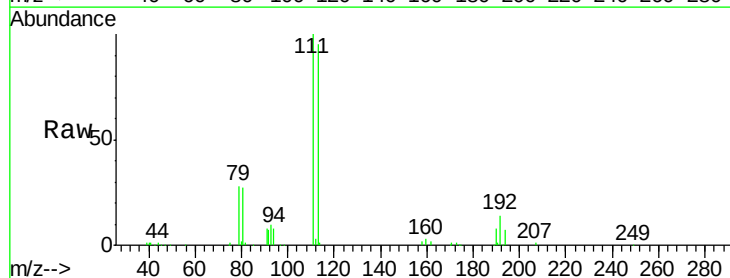


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

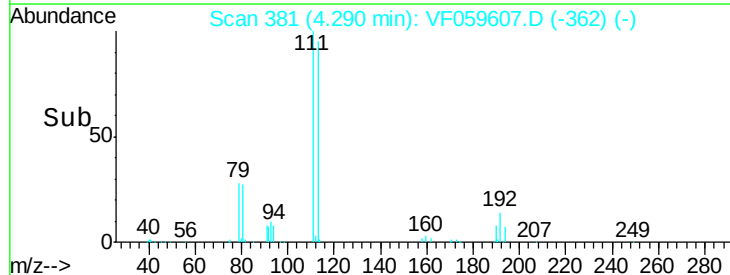
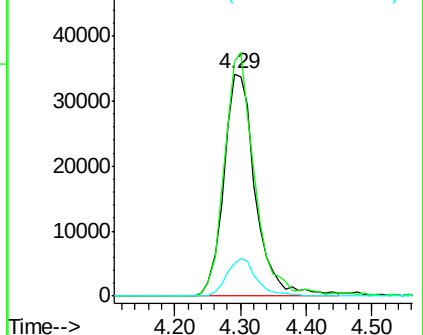


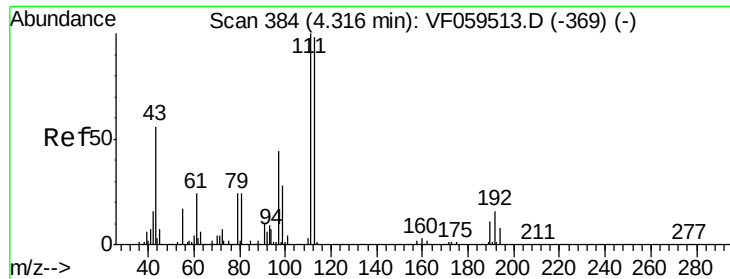
#35
Dibromofluoromethane
Concen: 51.132 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF059607.D
Acq: 21 Jul 2018 3:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.5	80.3	120.5
192	14.8	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: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF059607.D

Acq: 21 Jul 2018 3:22

Instrument :

MSVOA_F

ClientSampleId :

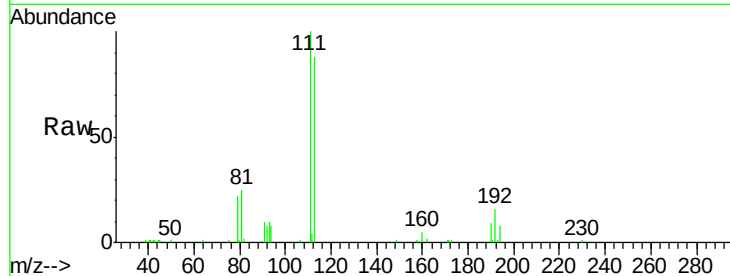
Tot Ion: 43 Resp: 173

Ion Ratio Lower Upper

43 100

61 0.0 33.7 50.5#

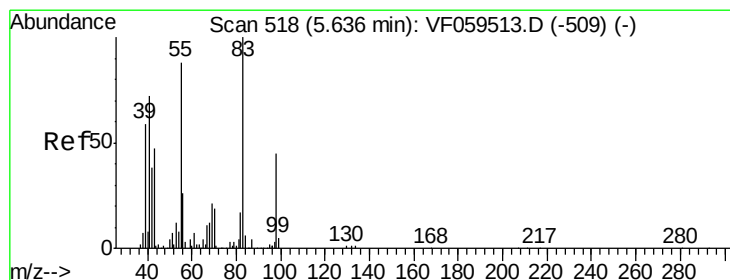
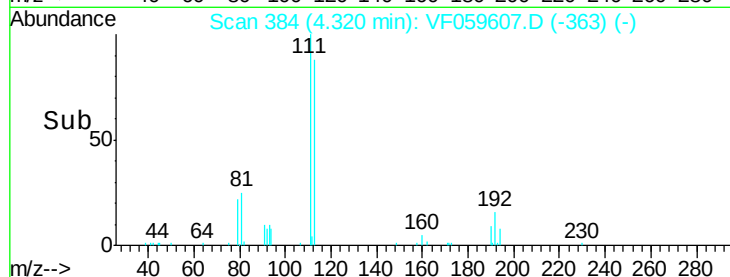
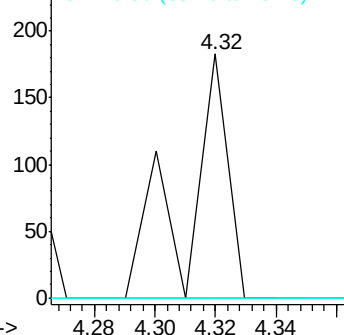
70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#39

Methylcyclohexane

Concen: 1.406 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.12 min

Lab File: VF059607.D

Acq: 21 Jul 2018 3:22

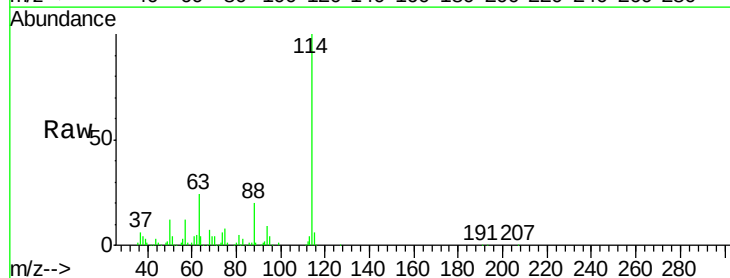
Tgt Ion: 83 Resp: 2757

Ion Ratio Lower Upper

83 100

55 19.5 70.2 105.4#

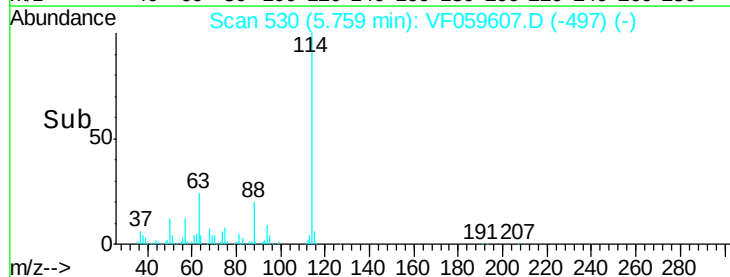
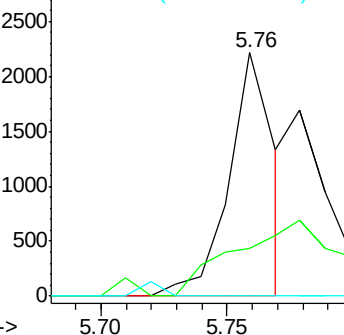
98 0.0 36.2 54.2#

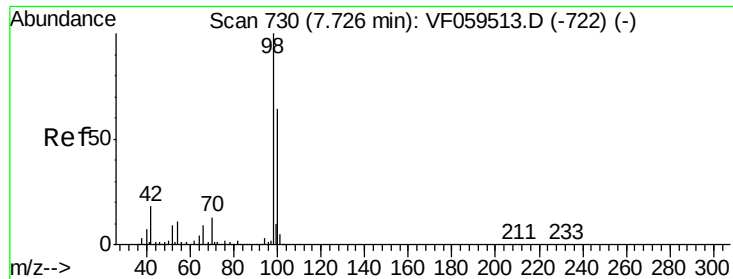


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

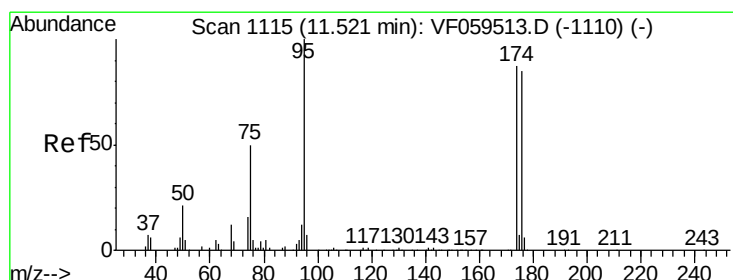
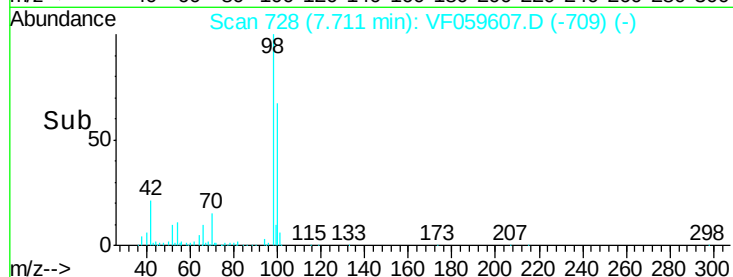
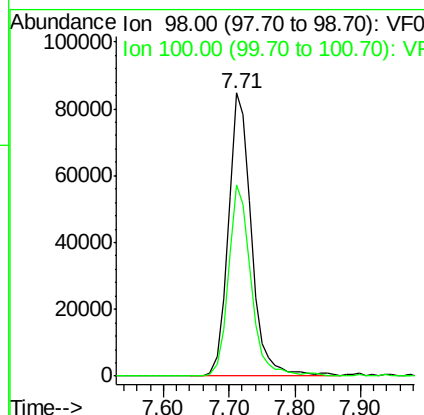
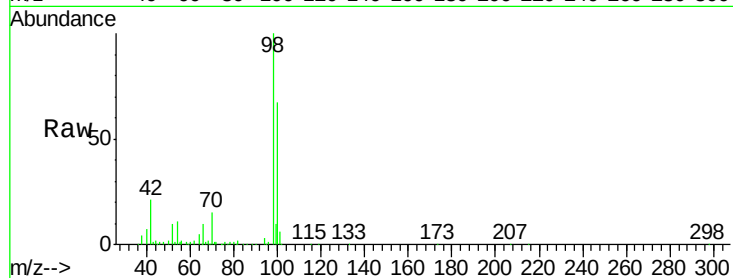




#50
Toluene-d8
Concen: 36.973 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF059607.D
Acq: 21 Jul 2018 3:22

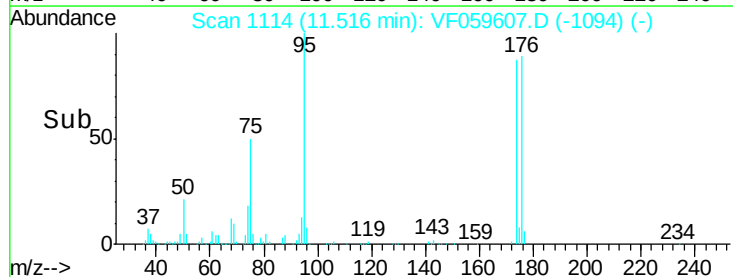
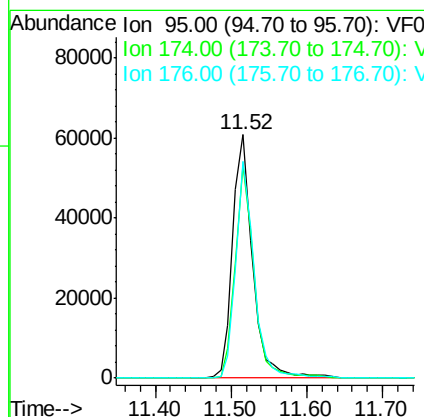
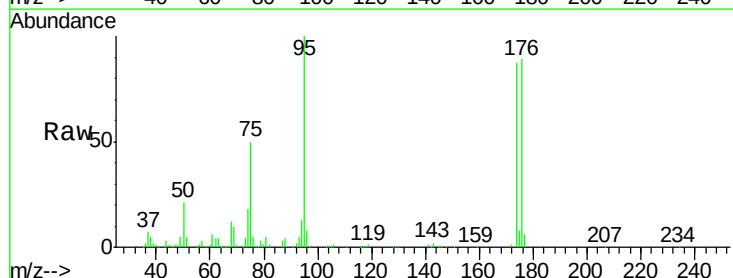
Instrument :
MSVOA_F
ClientSampleId :

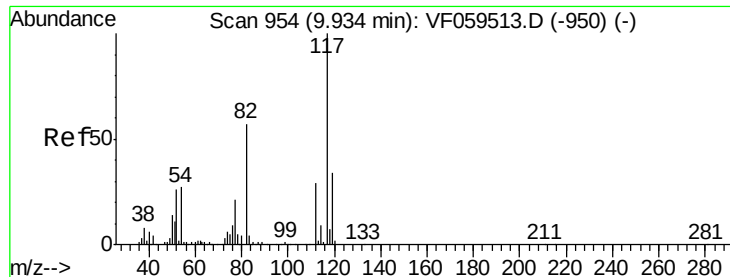
Tot Ion: 98 Resp: 208270
Ion Ratio Lower Upper
98 100
100 67.4 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 37.634 ug/l
RT: 11.52 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF059607.D
Acq: 21 Jul 2018 3:22

Tgt Ion: 95 Resp: 111211
Ion Ratio Lower Upper
95 100
174 87.4 0.0 174.4
176 89.1 0.0 169.4

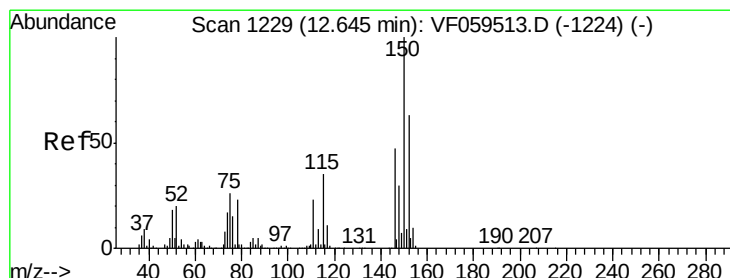
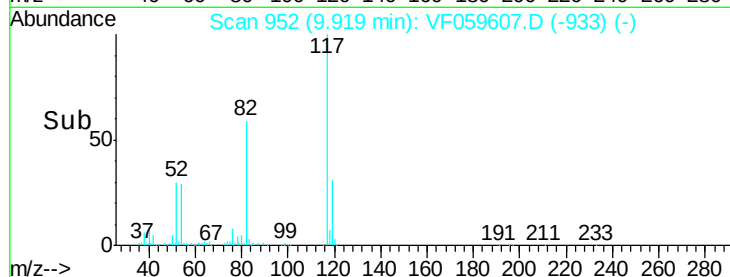
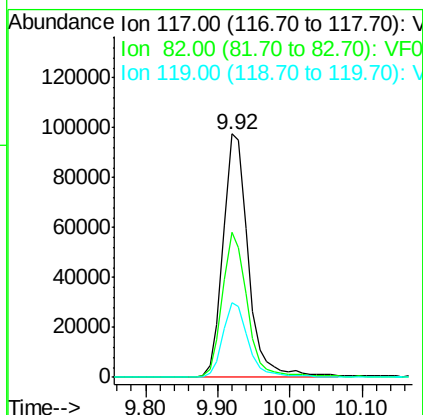
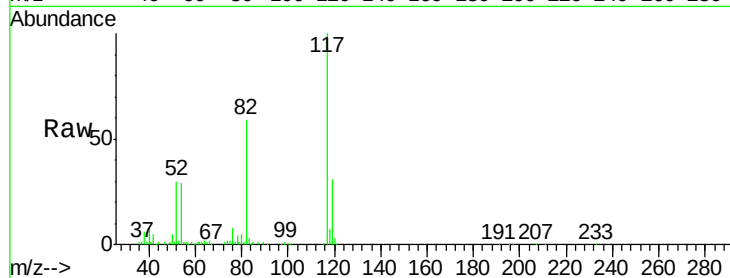




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059607.D
Acq: 21 Jul 2018 3:22

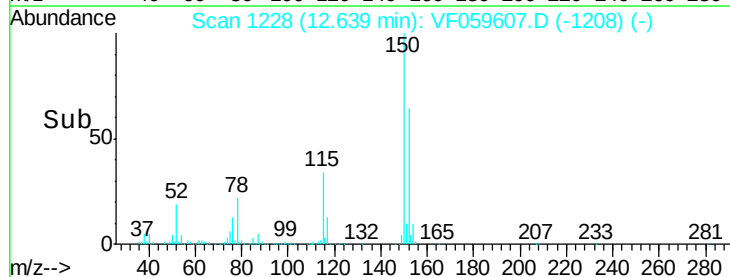
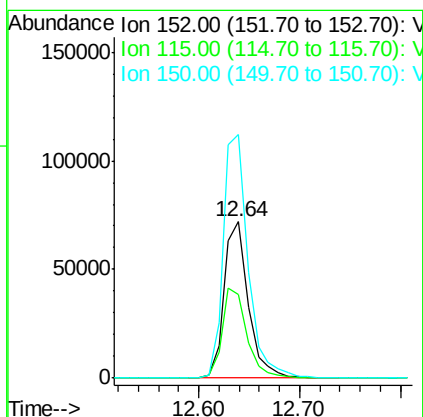
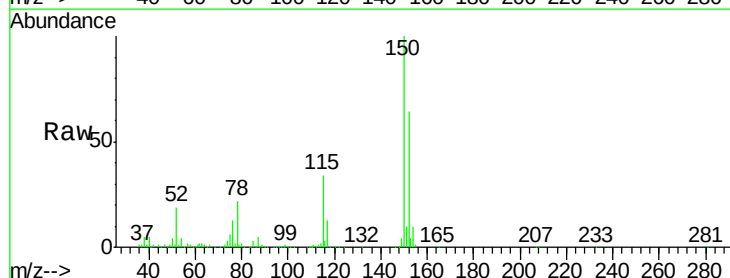
Instrument :
MSVOA_F
ClientSampleId :

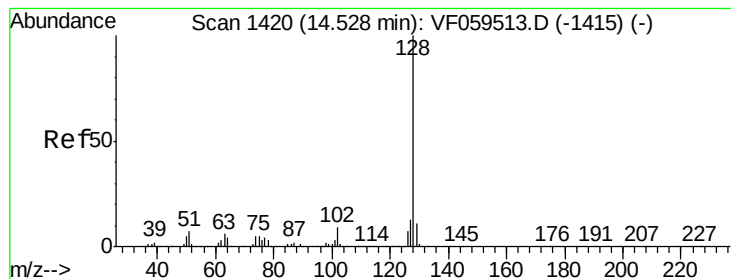
Tot Ion:117 Resp: 237782
Ion Ratio Lower Upper
117 100
82 59.4 46.1 69.1
119 30.8 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF059607.D
Acq: 21 Jul 2018 3:22

Tgt Ion:152 Resp: 120352
Ion Ratio Lower Upper
152 100
115 53.4 27.8 83.3
150 156.1 0.0 318.4





#95

Naphthalene

Concen: 2.717 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

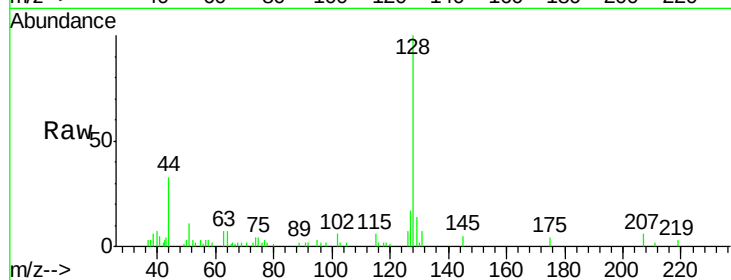
Lab File: VF059607.D

Acq: 21 Jul 2018 3:22

Instrument :

MSVOA_F

ClientSampleId :



Tot Ion:	128	Resp:	11978
Ion	Ratio	Lower	Upper
128	100		
127	16.7	10.2	15.2#
129	14.0	9.0	13.4#

