

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111518\
 Data File : VF060754.D
 Acq On : 15 Nov 2018 18:45
 Operator : VA/AP
 Sample : J5942-09
 Misc : 5.83g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 16 04:38:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	249379	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	436719	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.77	117	374788	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	213186	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	120200	42.26	ug/l	-0.02
Spiked Amount			Recovery	=	84.52%	
35) Dibromofluoromethane	4.11	113	138131	42.08	ug/l	-0.02
Spiked Amount			Recovery	=	84.16%	
50) Toluene-d8	7.55	98	331085	38.45	ug/l	-0.02
Spiked Amount			Recovery	=	76.90%	
62) 4-Bromofluorobenzene	11.41	95	160175	40.46	ug/l	0.00
Spiked Amount			Recovery	=	80.92%	

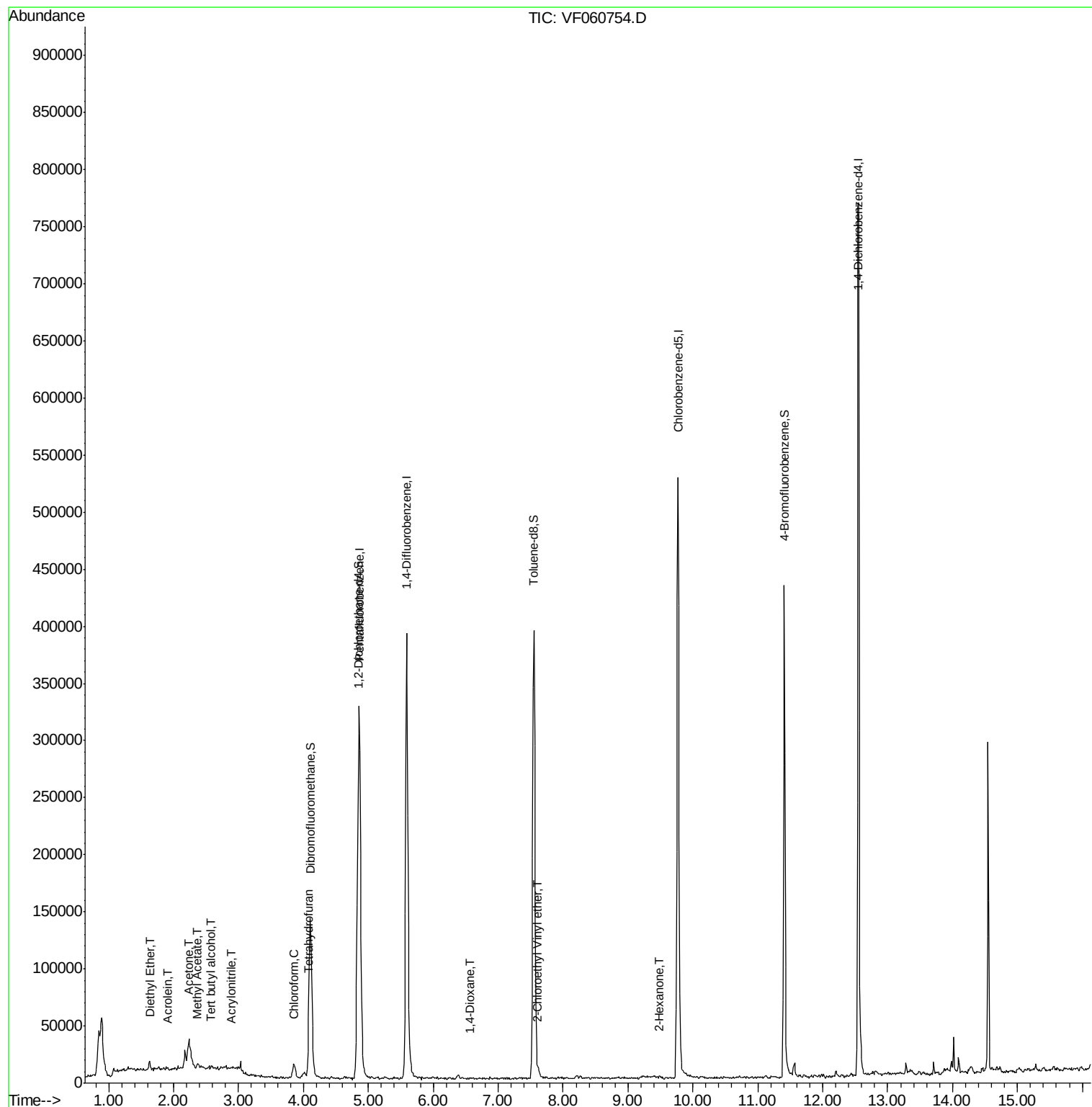
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.63	74	2197	3.132	ug/l	93
11) Tert butyl alcohol	2.59	59	777	6.002	ug/l #	1
13) Acrolein	1.91	56	297	2.509	ug/l	99
15) Acrylonitrile	2.90	53	893	3.237	ug/l #	77
16) Acetone	2.23	43	19709	32.417	ug/l	97
18) Methyl Acetate	2.37	43	1822	1.825	ug/l #	64
29) Tetrahydrofuran	4.07	42	1449	3.513	ug/l #	52
30) Chloroform	3.85	83	14791	2.213	ug/l	92
41) Methacrylonitrile	4.72	41	215	Below Cal	#	59
49) 1,4-Dioxane	6.56	88	61	3.947	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.62	63	451	2.011	ug/l	100
59) 2-Hexanone	9.48	43	2843	2.240	ug/l	64

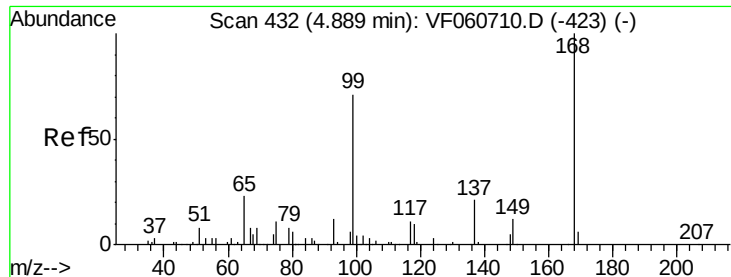
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF060754.D

Acq: 15 Nov 2018 18:45

Instrument :

MSVOA_F

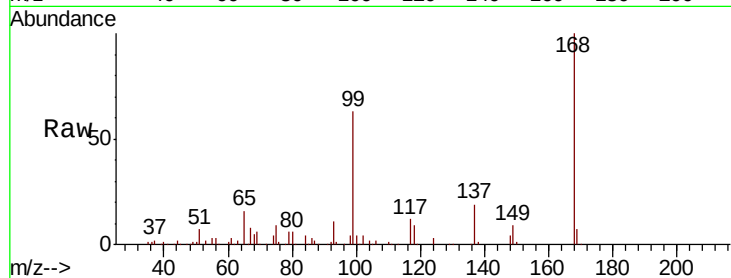
ClientSampleId :

Tot Ion:168 Resp: 249379

Ion Ratio Lower Upper

168 100

99 62.9 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

40000

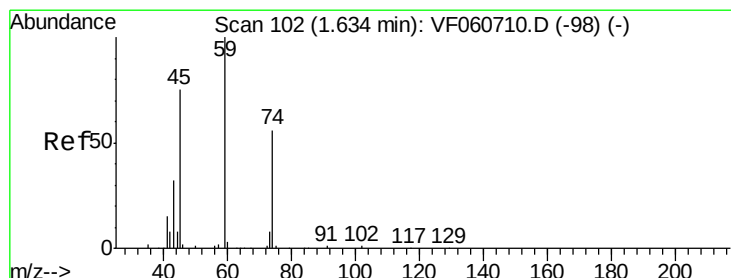
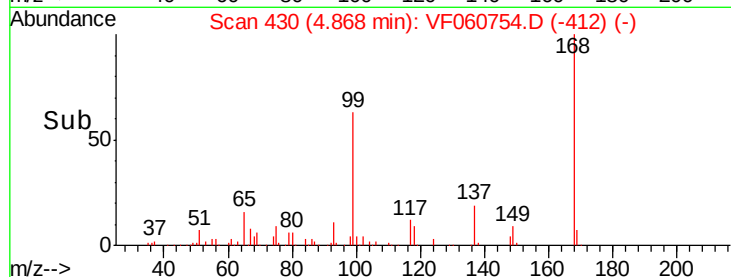
20000

0

4.87

4.70 4.80 4.90 5.00 5.10

Time-->



#8

Diethyl Ether

Concen: 3.132 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF060754.D

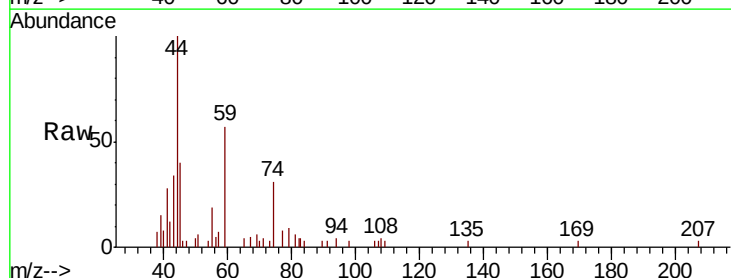
Acq: 15 Nov 2018 18:45

Tgt Ion: 74 Resp: 2197

Ion Ratio Lower Upper

74 100

45 127.2 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1500

1000

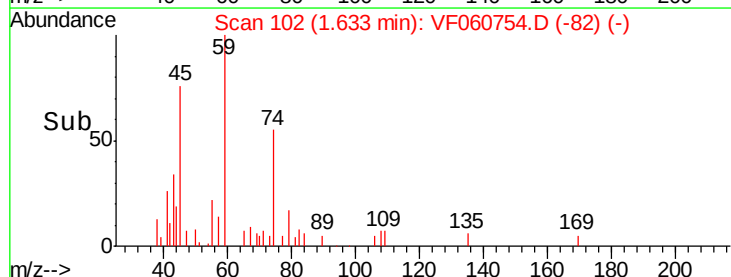
500

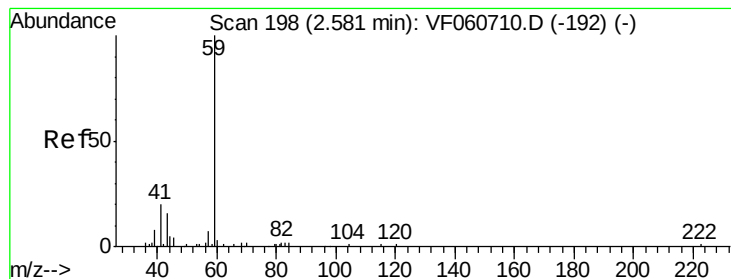
0

1.63

1.55 1.60 1.65 1.70

Time-->



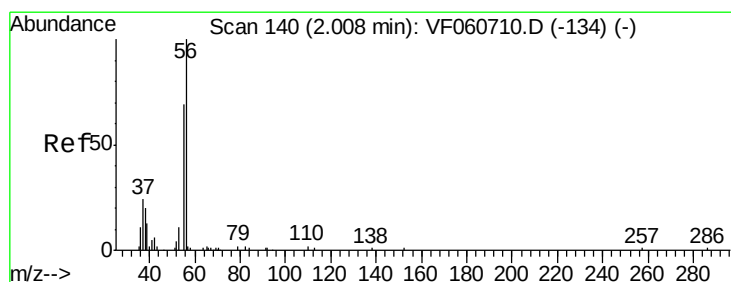
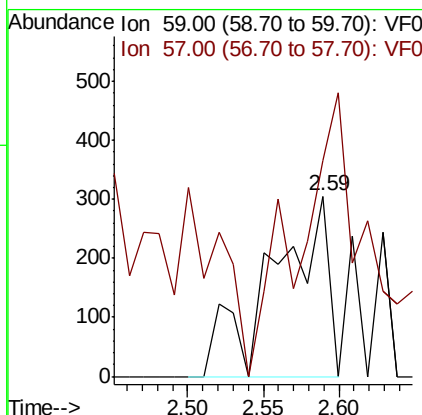
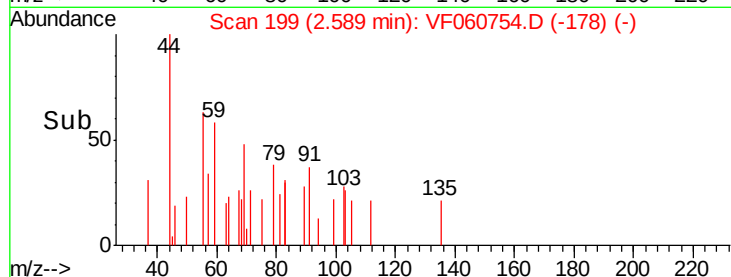
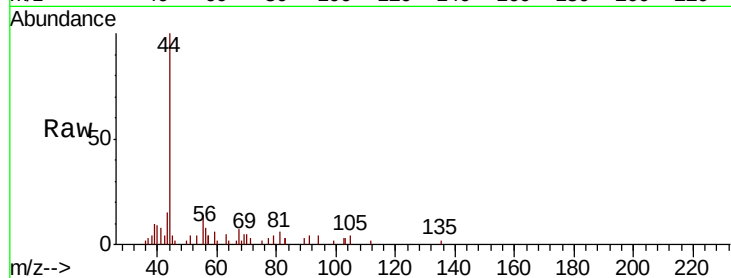


#11

Tert butyl alcohol
Concen: 6.002 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

Instrument :
MSVOA_F
ClientSampled :

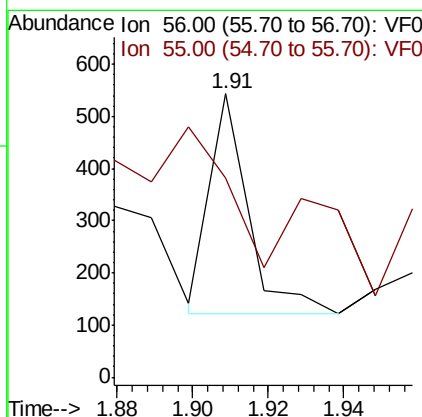
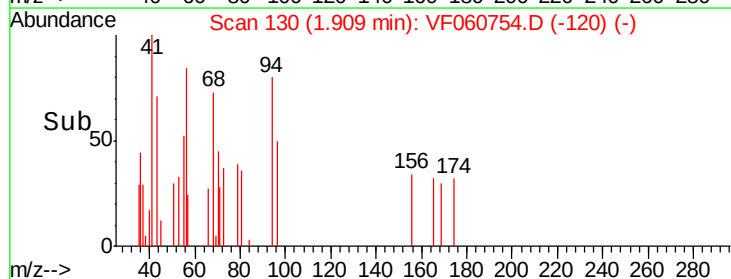
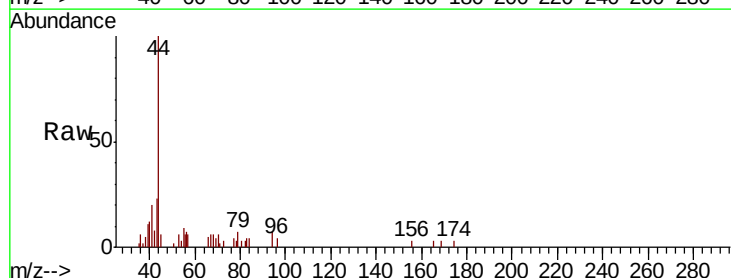
Tot Ion: 59 Resp: 777
Ion Ratio Lower Upper
59 100
57 119.6 10.5 15.7#

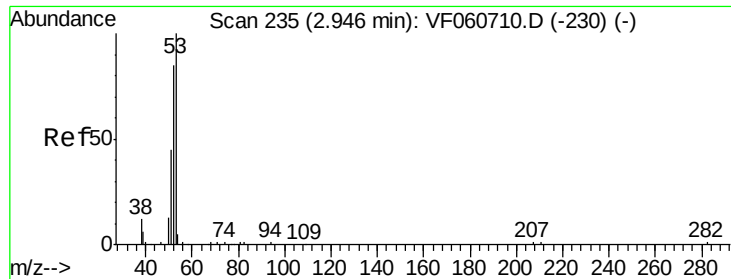


#13

Acrolein
Concen: 2.509 ug/l
RT: 1.91 min Scan# 130
Delta R.T. -0.10 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

Tgt Ion: 56 Resp: 297
Ion Ratio Lower Upper
56 100
55 70.3 56.6 85.0





#15

Acrylonitrile

Concen: 3.237 ug/l

RT: 2.90 min Scan# 230

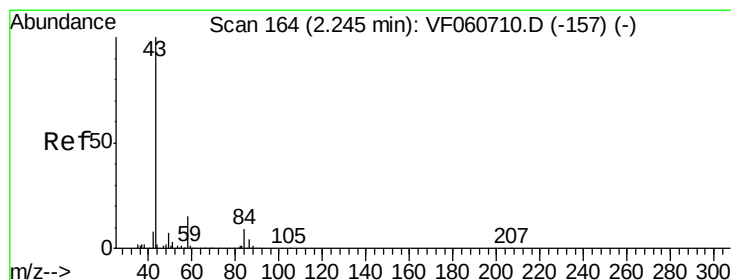
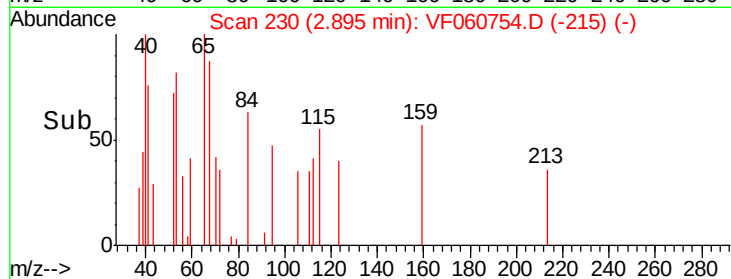
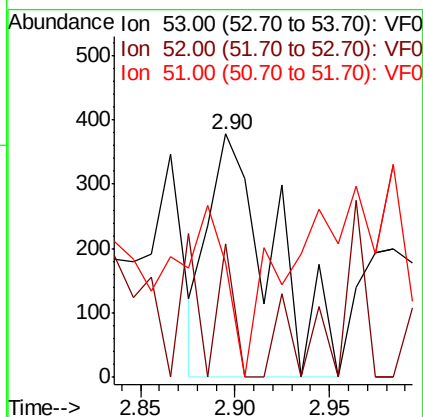
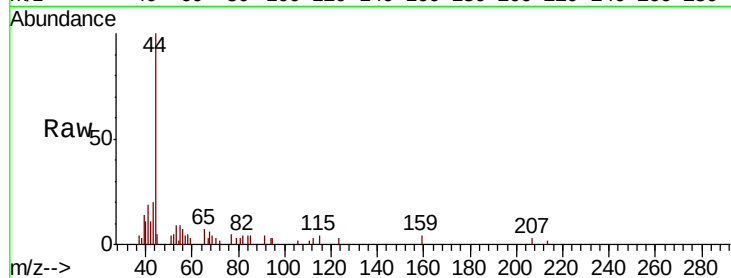
Delta R.T. -0.05 min

Lab File: VF060754.D

Acq: 15 Nov 2018 18:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	893
Ion	Ratio	Lower	Upper
53	100		
52	54.8	68.8	103.2#
51	46.8	36.7	55.1



#16

Acetone

Concen: 32.417 ug/l

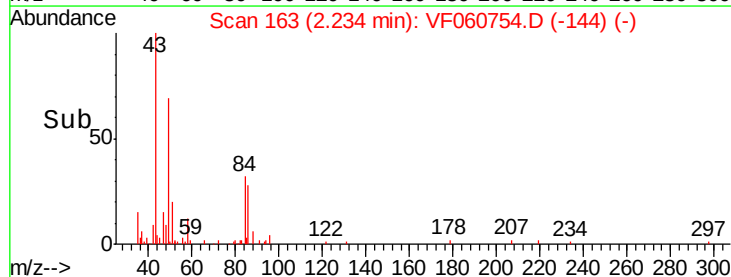
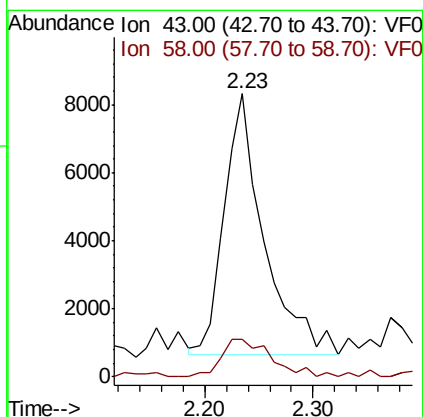
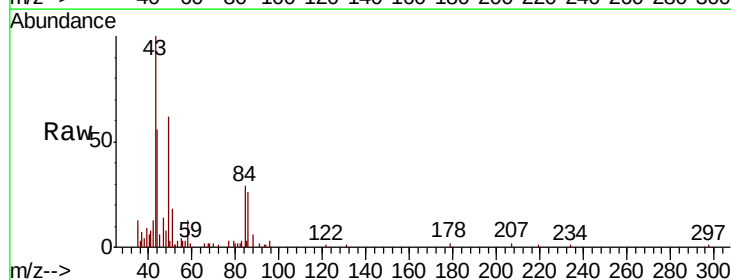
RT: 2.23 min Scan# 163

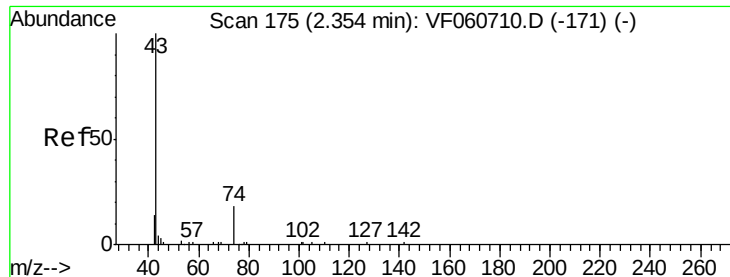
Delta R.T. -0.01 min

Lab File: VF060754.D

Acq: 15 Nov 2018 18:45

Tgt Ion:	43	Resp:	19709
Ion	Ratio	Lower	Upper
43	100		
58	13.1	11.6	17.4

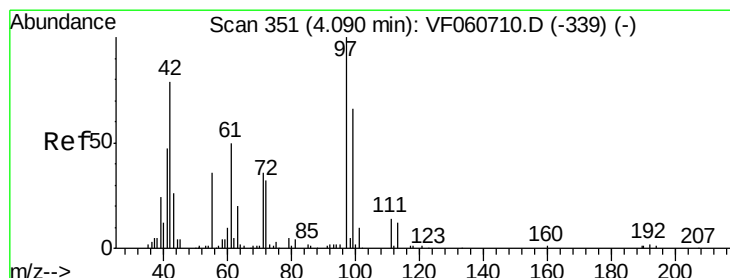
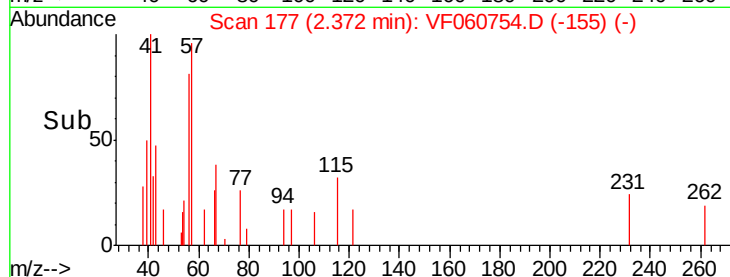
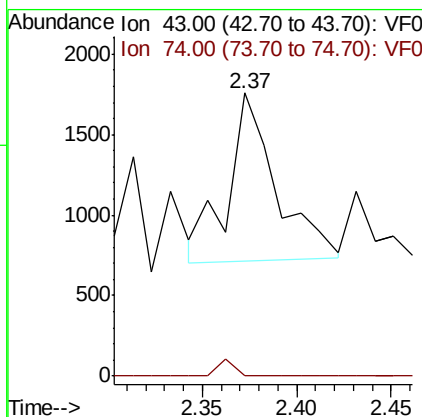
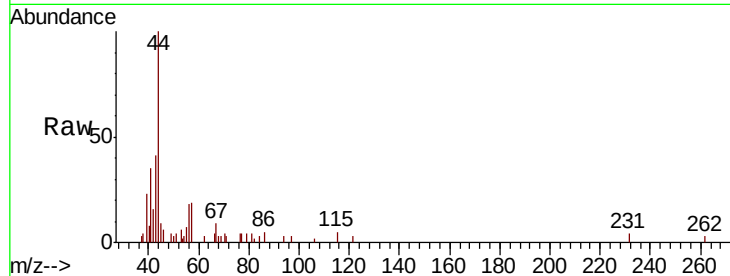




#18
Methyl Acetate
Concen: 1.825 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

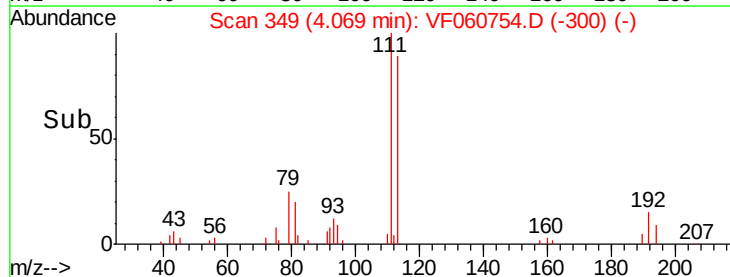
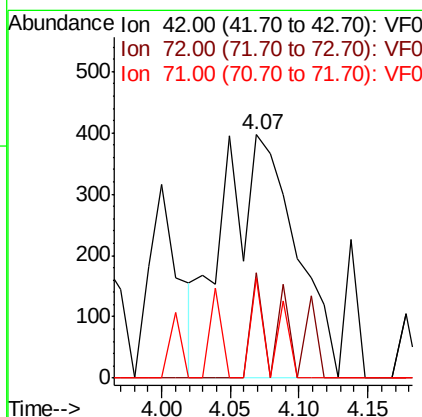
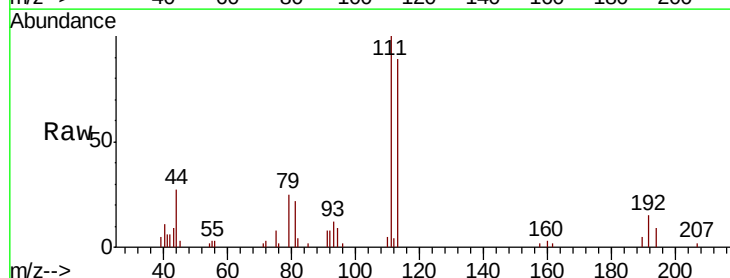
Instrument :
MSVOA_F
ClientSampled :

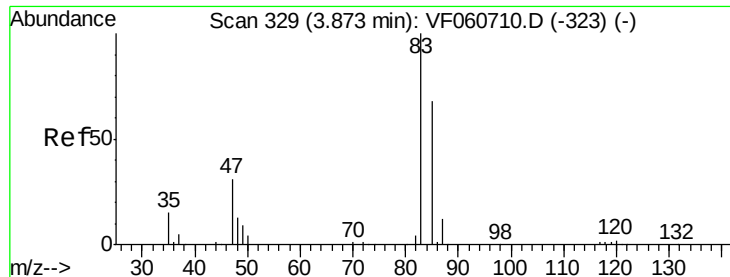
Tot Ion: 43 Resp: 1822
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#



#29
Tetrahydrofuran
Concen: 3.513 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

Tgt Ion: 42 Resp: 1449
Ion Ratio Lower Upper
42 100
72 7.0 30.3 45.5#
71 11.9 32.2 48.2#

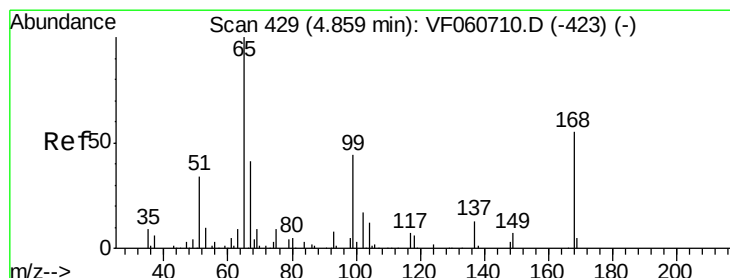
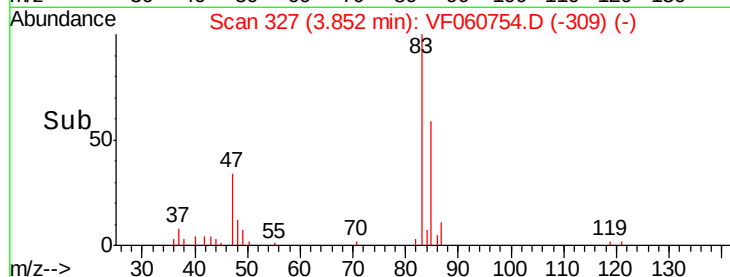
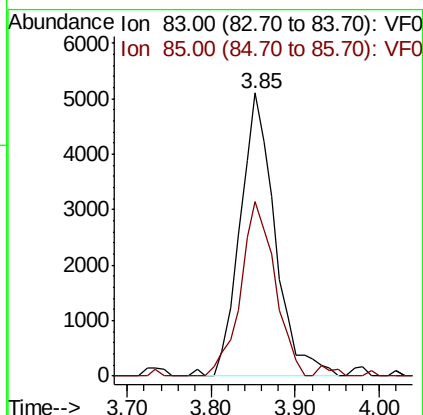
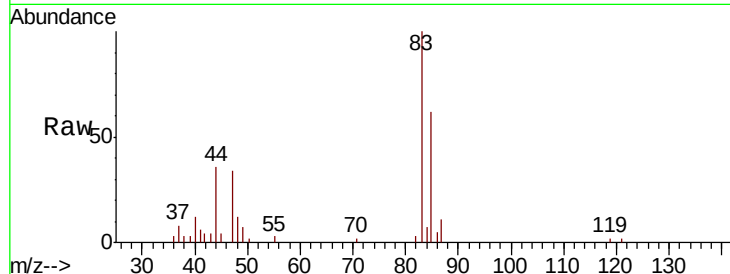




#30
Chloroform
Concen: 2.213 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.02 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

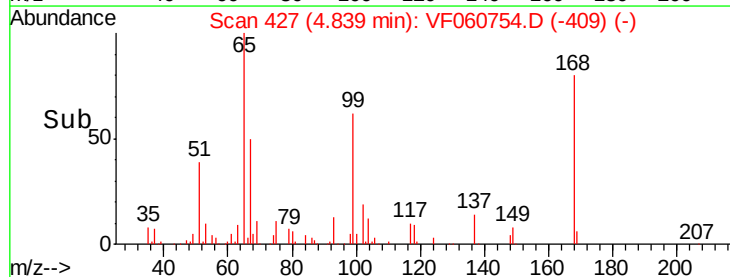
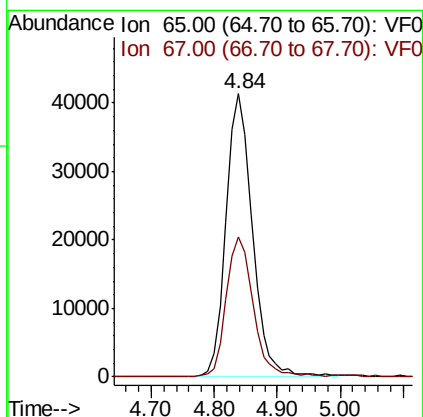
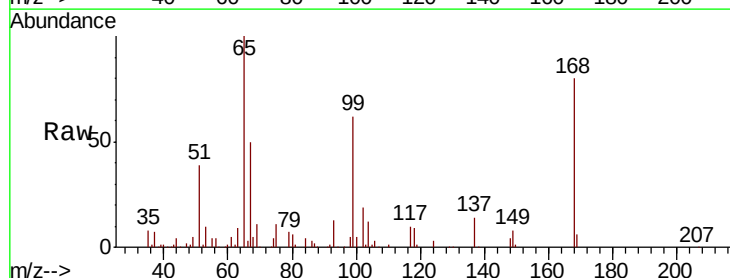
Instrument :
MSVOA_F
ClientSampleId :

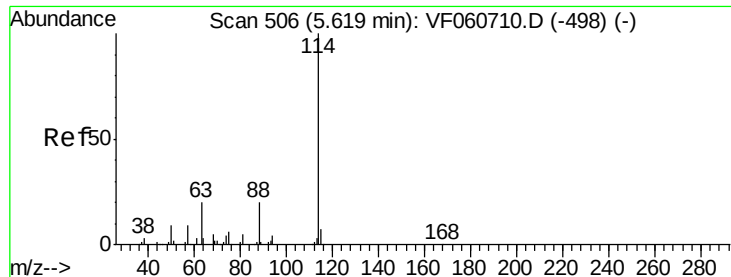
Tot Ion: 83 Resp: 14791
Ion Ratio Lower Upper
83 100
85 61.6 54.6 82.0



#33
1,2-Dichloroethane-d4
Concen: 42.258 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.02 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

Tgt Ion: 65 Resp: 120200
Ion Ratio Lower Upper
65 100
67 49.6 0.0 90.2

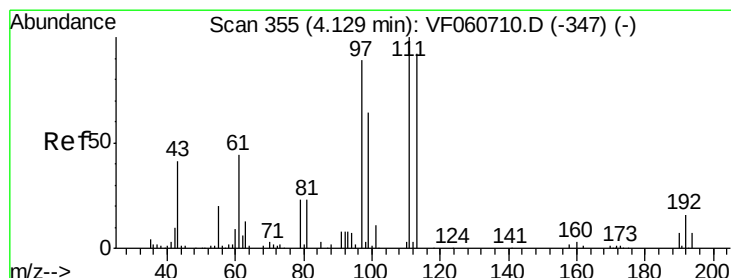
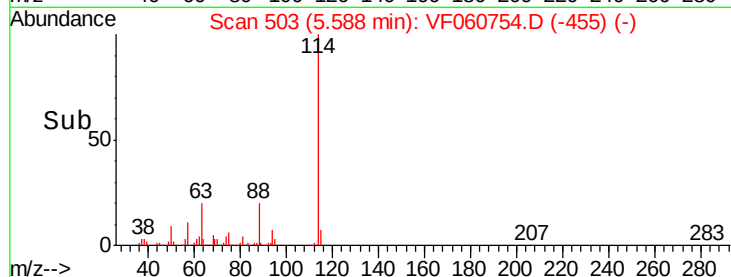
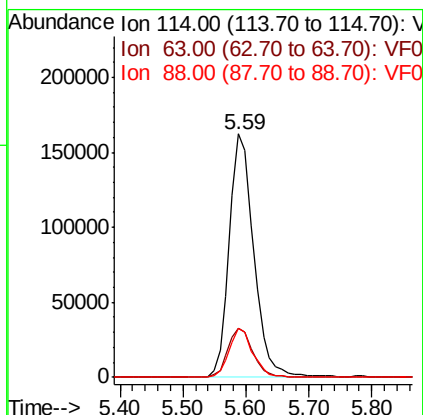
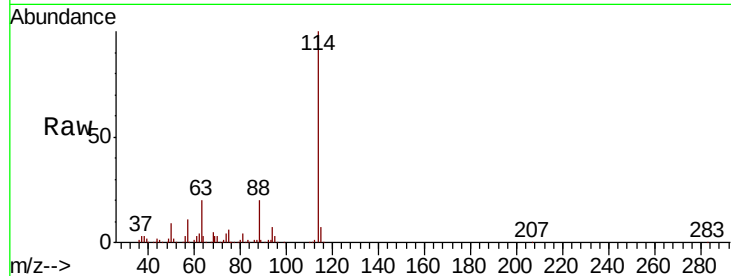




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.03 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

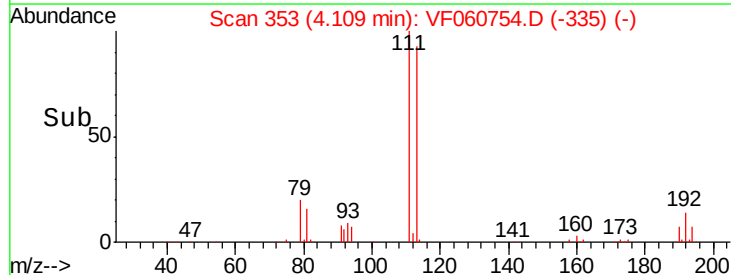
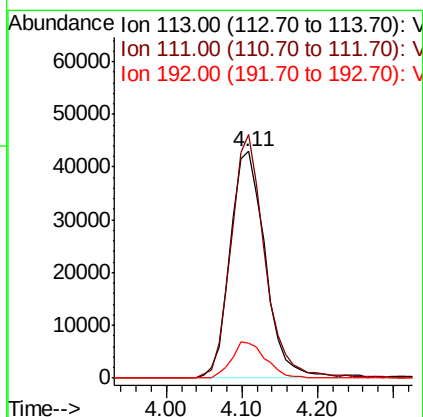
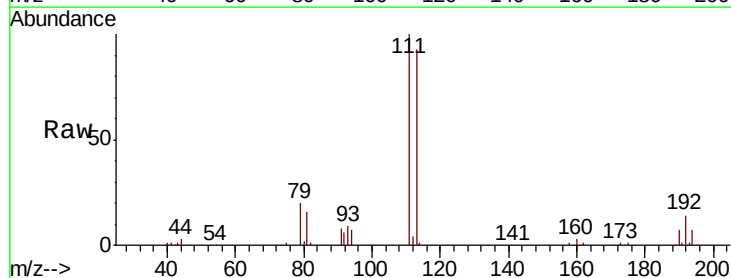
Instrument :
MSVOA_F
ClientSampleId :

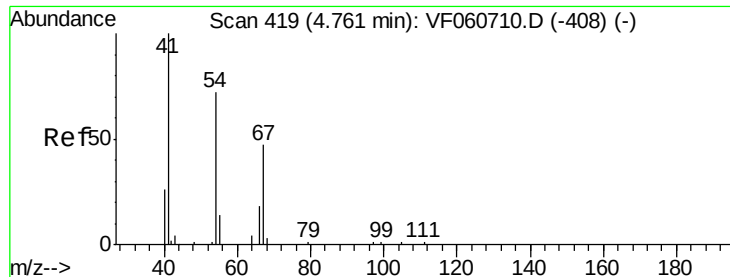
Tot Ion:114 Resp: 436719
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 20.1 0.0 39.6



#35
Dibromofluoromethane
Concen: 42.077 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.02 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

Tgt Ion:113 Resp: 138131
Ion Ratio Lower Upper
113 100
111 107.3 87.1 130.7
192 15.2 13.8 20.6

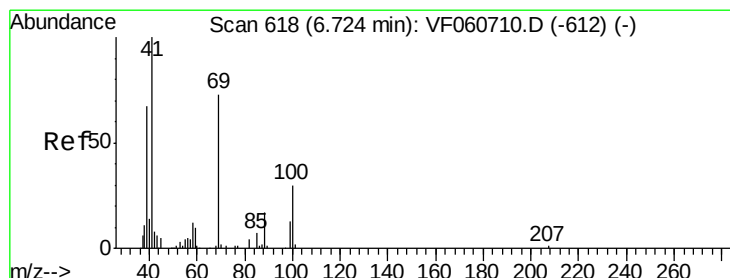
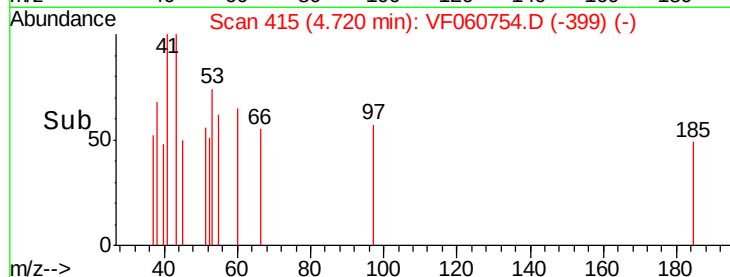
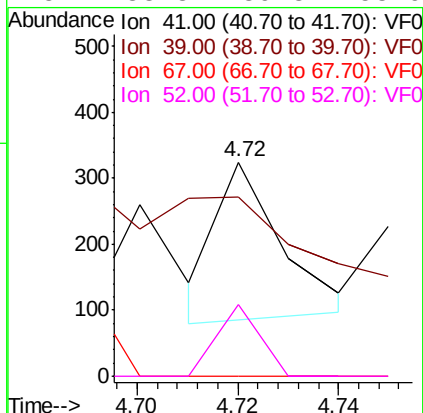
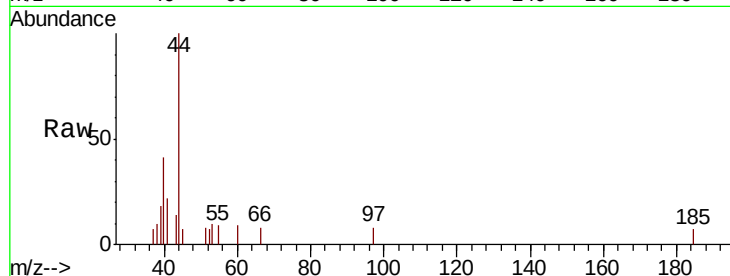




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.72 min Scan# 415
Delta R.T. -0.04 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

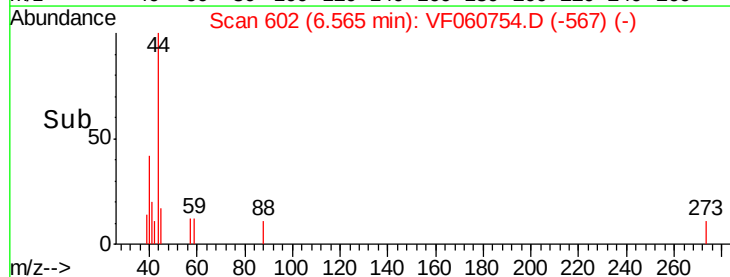
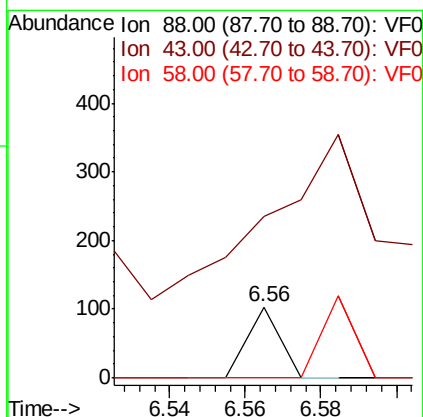
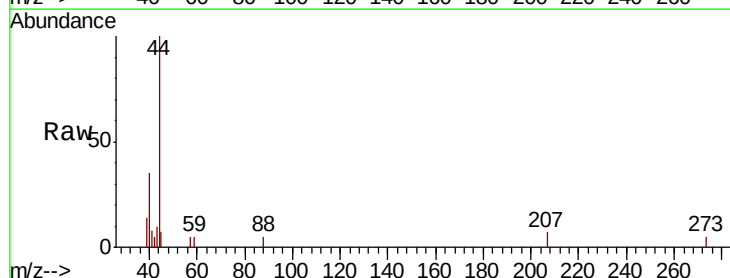
Instrument :
MSVOA_F
ClientSampled :

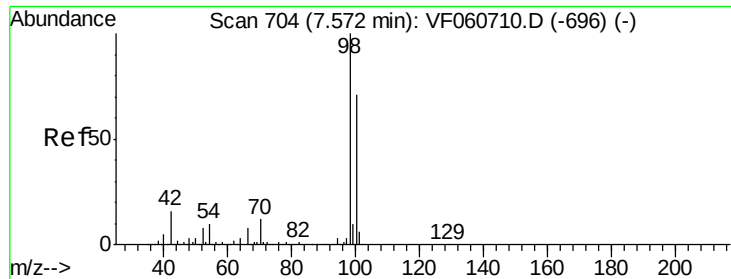
Tot Ion: 41 Resp: 215
Ion Ratio Lower Upper
41 100
39 83.6 47.1 70.7#
67 0.0 37.1 55.7#
52 33.3 39.3 58.9#



#49
1,4-Dioxane
Concen: 3.947 ug/l
RT: 6.56 min Scan# 602
Delta R.T. -0.16 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 228.2 44.6 66.8#
58 0.0 54.5 81.7#

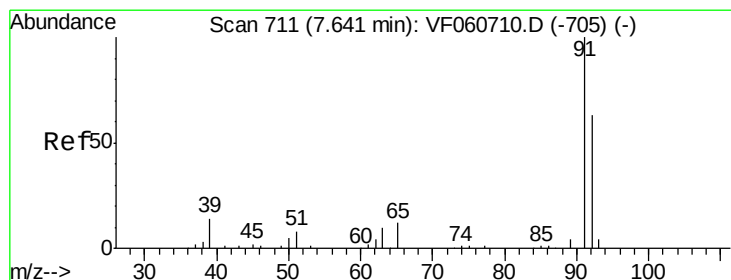
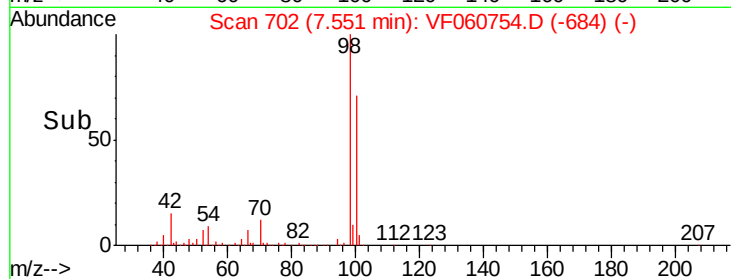
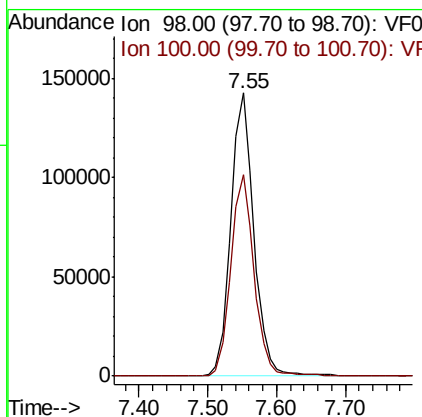
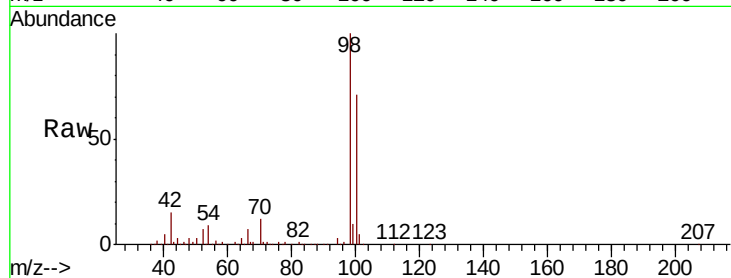




#50
Toluene-d8
Concen: 38.454 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.02 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

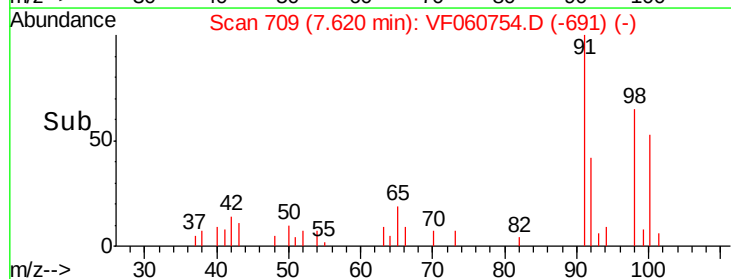
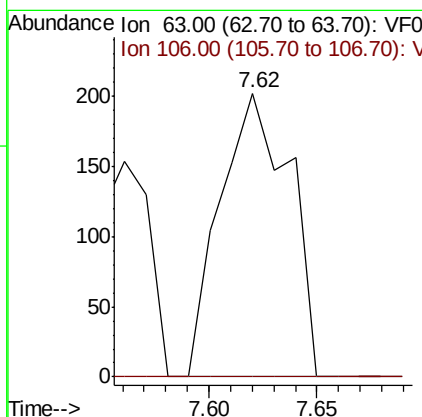
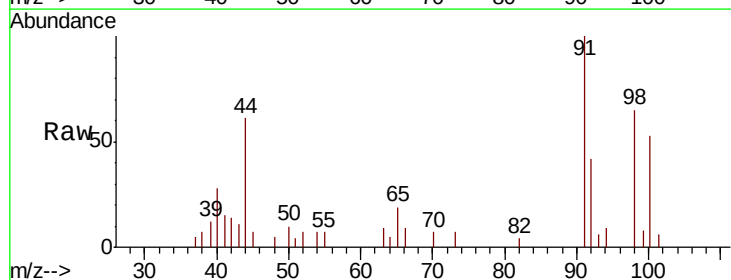
Instrument :
MSVOA_F
ClientSampleId :

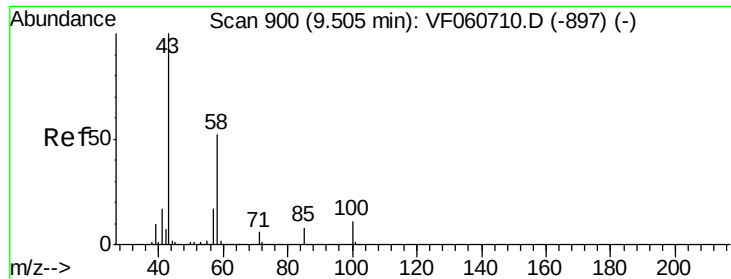
Tot Ion: 98 Resp: 331085
Ion Ratio Lower Upper
98 100
100 71.1 56.5 84.7



#58
2-Chloroethyl Vinyl ether
Concen: 2.011 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.02 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

Tgt Ion: 63 Resp: 451
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0

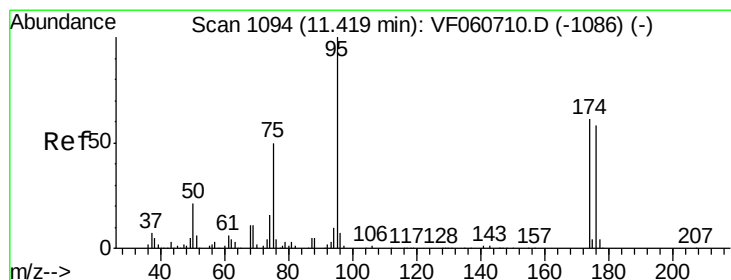
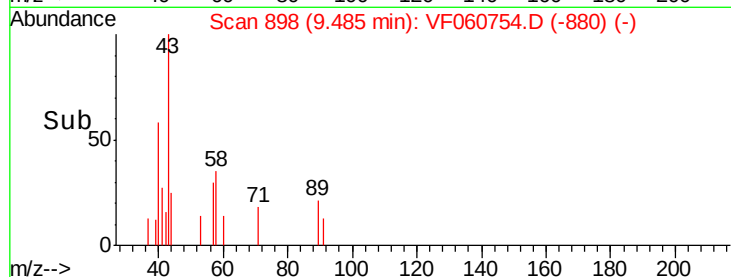
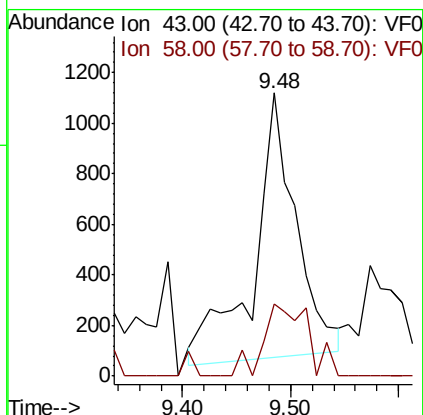
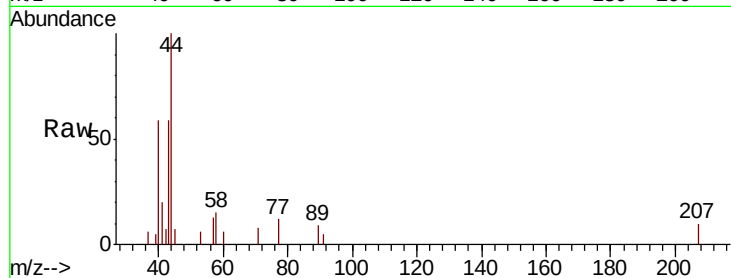




#59
2-Hexanone
Concen: 2.240 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.02 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

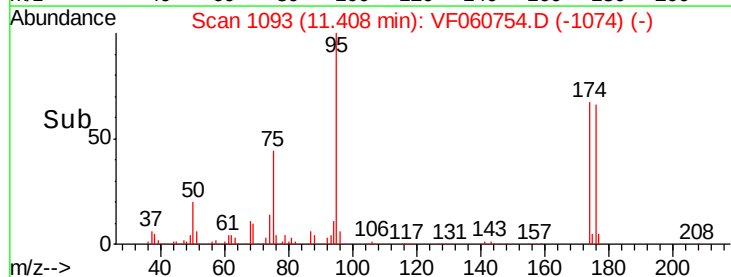
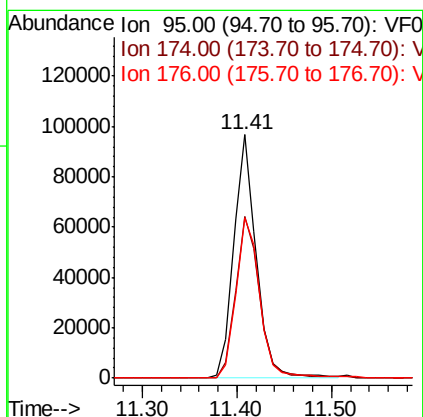
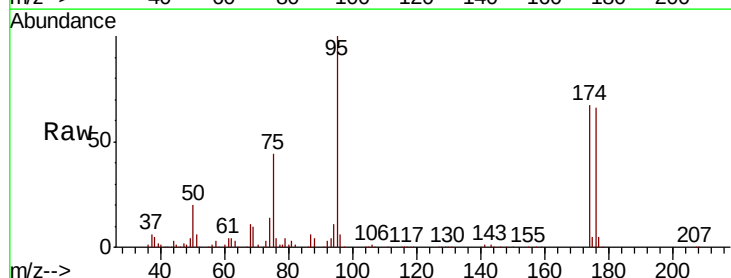
Instrument :
MSVOA_F
ClientSampleId :

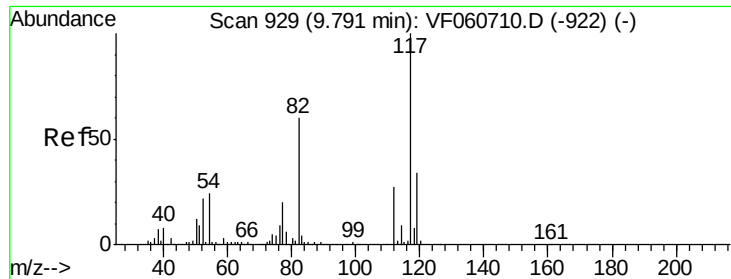
Tot Ion: 43 Resp: 2843
Ion Ratio Lower Upper
43 100
58 25.3 24.9 74.7



#62
4-Bromofluorobenzene
Concen: 40.459 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

Tgt Ion: 95 Resp: 160175
Ion Ratio Lower Upper
95 100
174 66.6 0.0 121.6
176 66.0 0.0 115.2

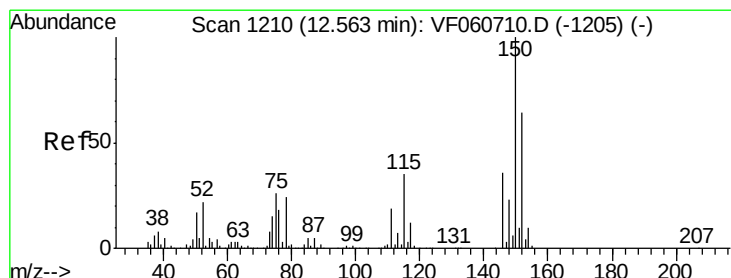
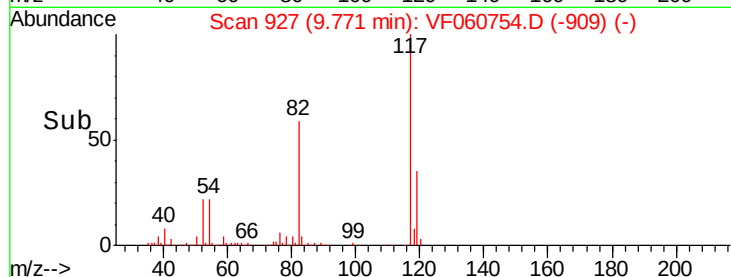
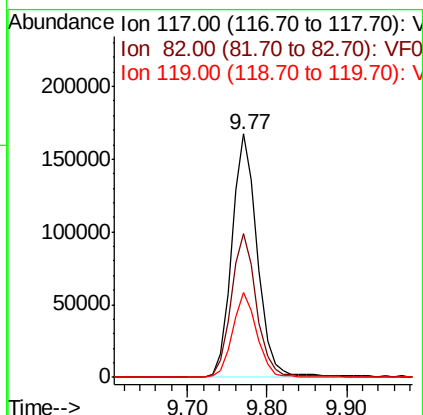
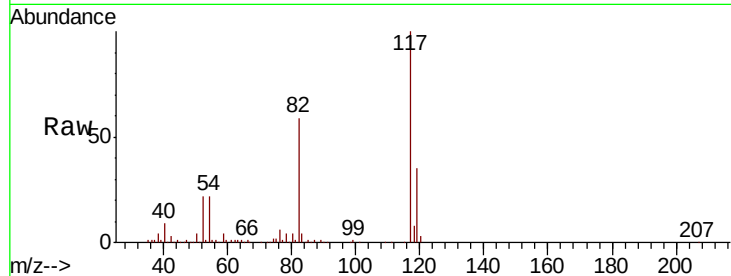




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 374788
Ion Ratio Lower Upper
117 100
82 58.8 47.9 71.9
119 34.8 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF060754.D
Acq: 15 Nov 2018 18:45

Tgt Ion:152 Resp: 213186
Ion Ratio Lower Upper
152 100
115 56.0 27.9 83.7
150 153.3 0.0 316.4

