

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121118\
 Data File : VF060980.D
 Acq On : 11 Dec 2018 17:01
 Operator : VA/AP
 Sample : J6193-05RE
 Misc : 6.22g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-121018-C

Quant Time: Dec 12 06:28:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

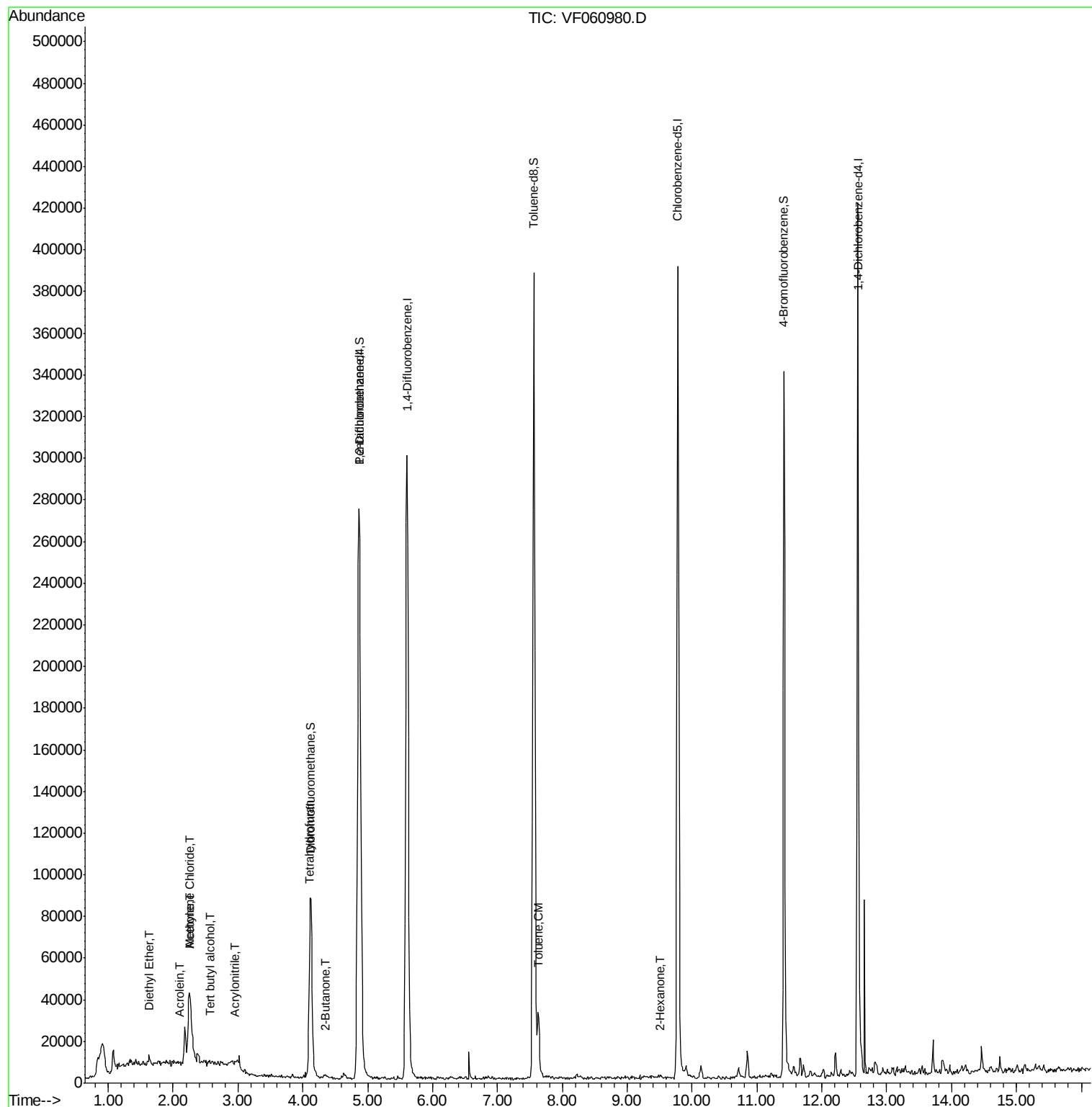
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	196917	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	341240	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.79	117	279253	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	110008	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	120034	51.74	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.48%	
35) Dibromofluoromethane	4.12	113	85282	31.50	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	63.00%	
50) Toluene-d8	7.56	98	317129	39.77	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	79.54%	
62) 4-Bromofluorobenzene	11.41	95	128188	35.37	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	70.74%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.62	74	1231	2.233	ug/l	45
11) Tert butyl alcohol	2.57	59	175	1.840	ug/l #	1
13) Acrolein	2.09	56	277	3.074	ug/l	86
15) Acrylonitrile	2.95	53	314	1.473	ug/l #	47
16) Acetone	2.24	43	19919	46.564	ug/l	94
18) Methyl Acetate	2.34	43	1004	Below Cal	#	61
20) Methylene Chloride	2.25	84	19485	12.416	ug/l	93
25) 2-Butanone	4.36	43	3663	4.951	ug/l #	89
29) Tetrahydrofuran	4.10	42	1259	4.014	ug/l #	57
41) Methacrylonitrile	4.77	41	115	Below Cal	#	23
43) Isopropyl Acetate	6.99	43	227	Below Cal	#	49
52) Toluene	7.64	92	15882	2.704	ug/l	92
59) 2-Hexanone	9.51	43	1991	2.001	ug/l	83
95) Naphthalene	14.46	128	4536	Below Cal	#	96

(#) = 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: 4.87 min Scan# 430

Delta R.T. -0.03 min

Lab File: VF060980.D

Acq: 11 Dec 2018 17:01

Instrument :

MSVOA_F

ClientSampleId :

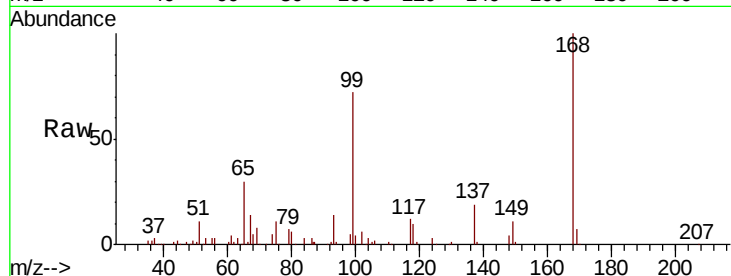
CL-01-121018-C

Tot Ion:168 Resp: 196917

Ion Ratio Lower Upper

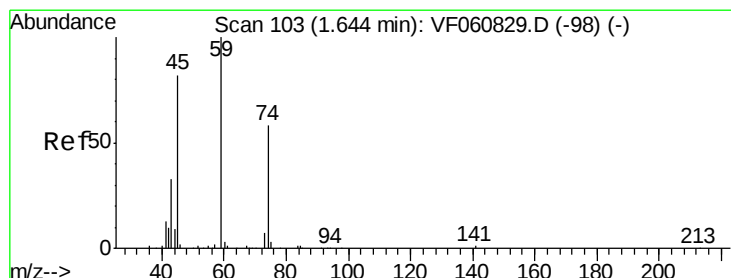
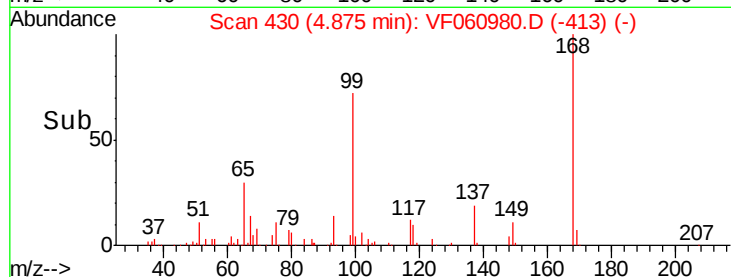
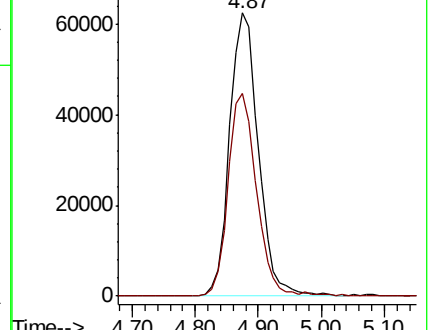
168 100

99 71.7 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 2.233 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF060980.D

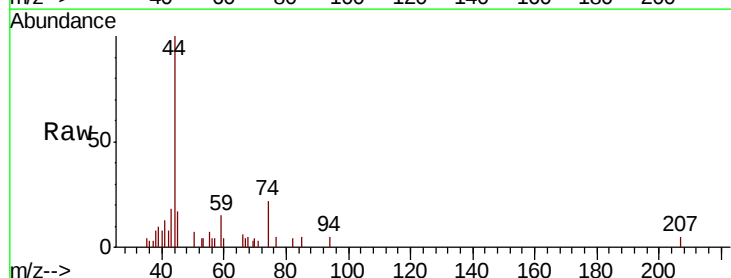
Acq: 11 Dec 2018 17:01

Tgt Ion: 74 Resp: 1231

Ion Ratio Lower Upper

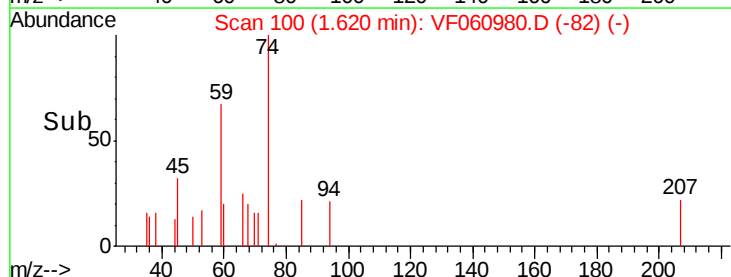
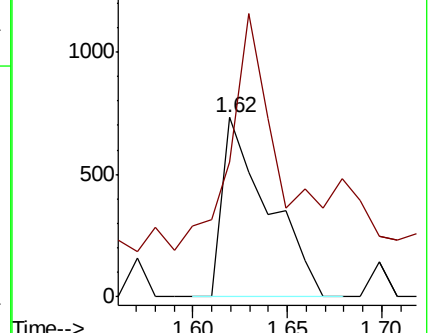
74 100

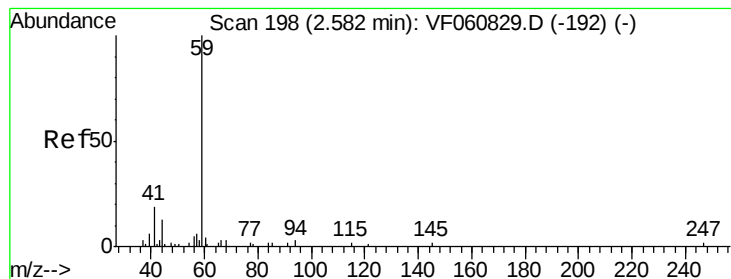
45 74.9 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



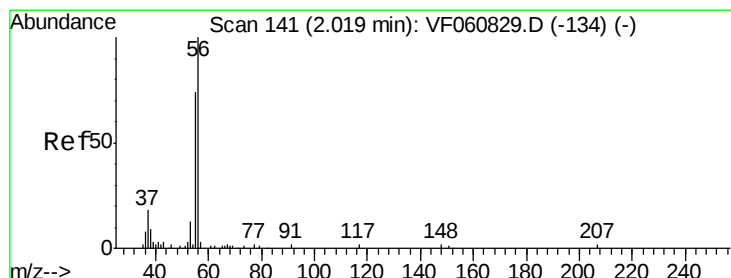
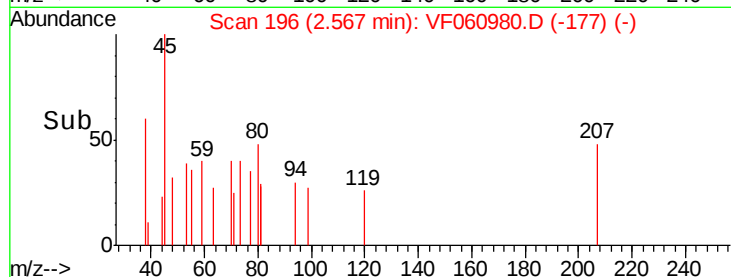
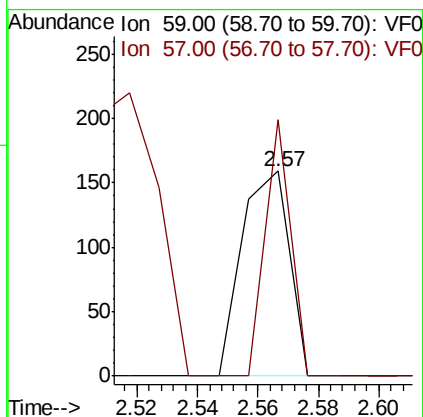
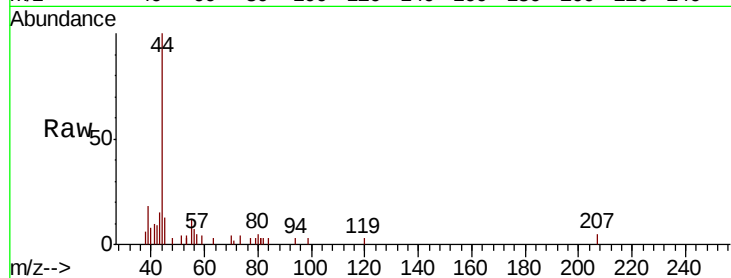


#11

Tert butyl alcohol
 Concen: 1.840 ug/l
 RT: 2.57 min Scan# 196
 Delta R.T. -0.01 min
 Lab File: VF060980.D
 Acq: 11 Dec 2018 17:01

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-121018-C

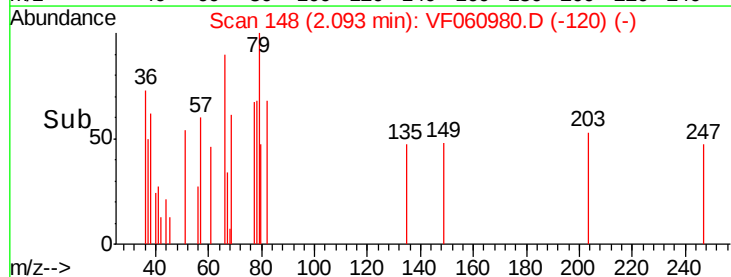
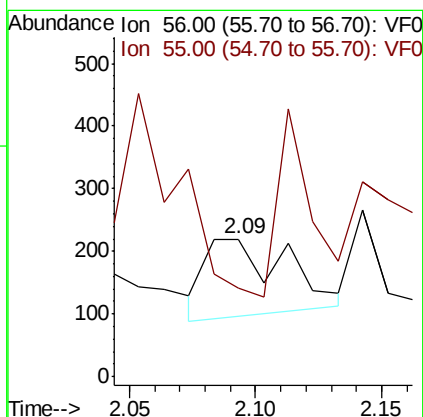
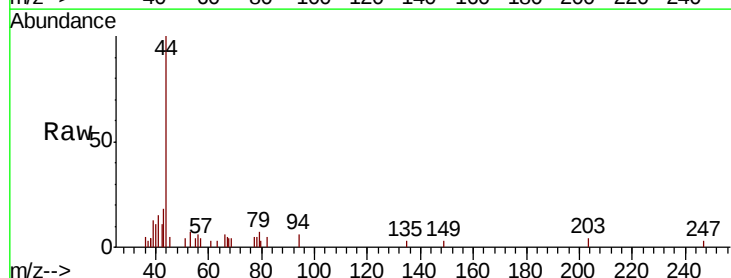
Tot Ion: 59 Resp: 175
 Ion Ratio Lower Upper
 59 100
 57 125.2 12.7 19.1#

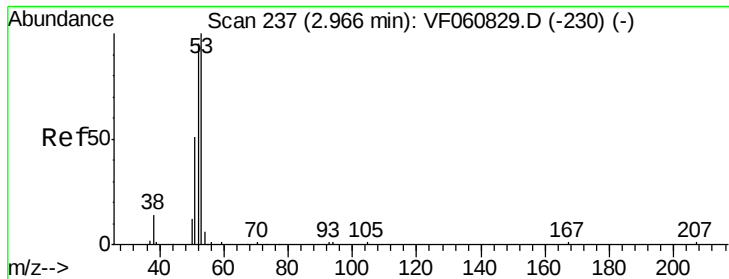


#13

Acrolein
 Concen: 3.074 ug/l
 RT: 2.09 min Scan# 148
 Delta R.T. 0.07 min
 Lab File: VF060980.D
 Acq: 11 Dec 2018 17:01

Tgt Ion: 56 Resp: 277
 Ion Ratio Lower Upper
 56 100
 55 64.5 61.2 91.8





#15

Acrylonitrile

Concen: 1.473 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF060980.D

Acq: 11 Dec 2018 17:01

Instrument :

MSVOA_F

ClientSampleId :

CL-01-121018-C

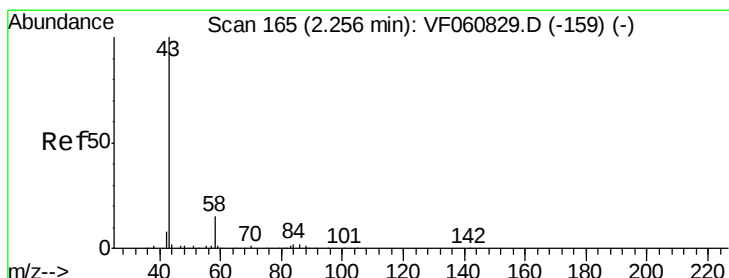
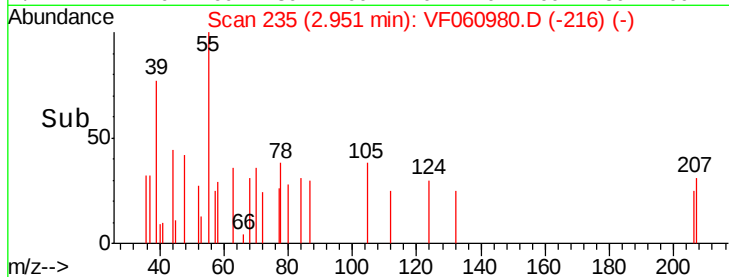
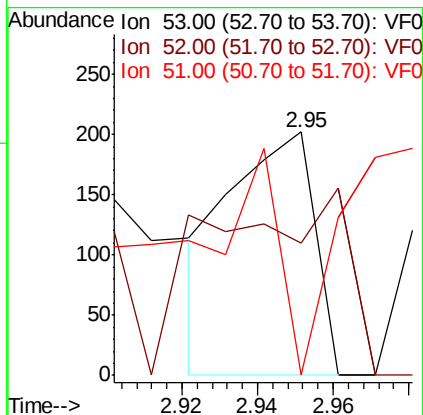
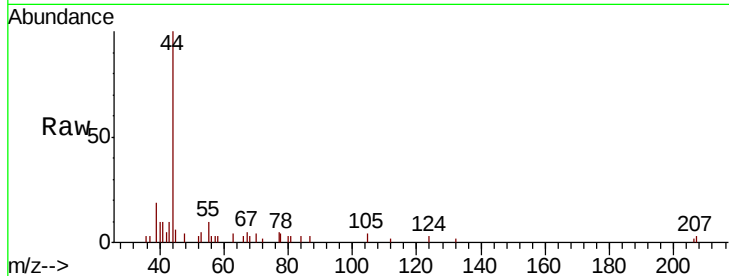
Tot Ion: 53 Resp: 314

Ion Ratio Lower Upper

53 100

52 54.5 76.5 114.7#

51 0.0 40.7 61.1#



#16

Acetone

Concen: 46.564 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF060980.D

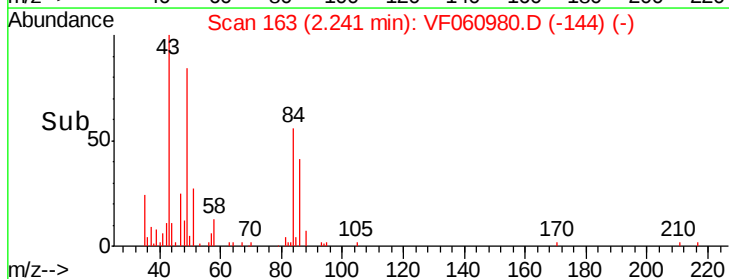
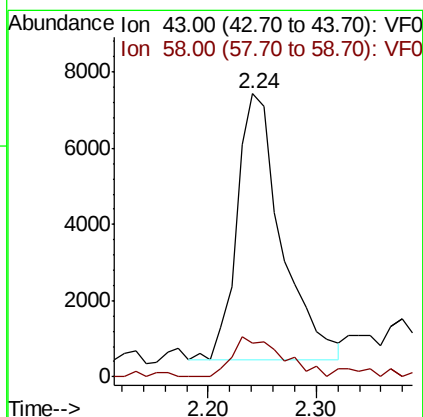
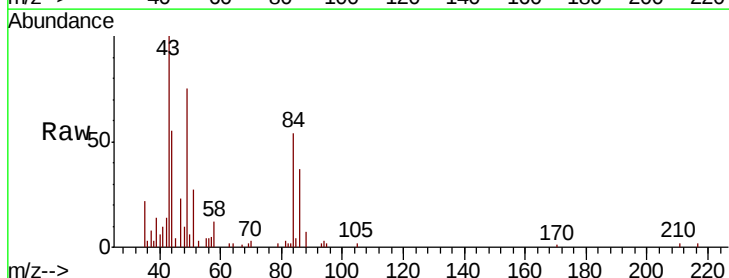
Acq: 11 Dec 2018 17:01

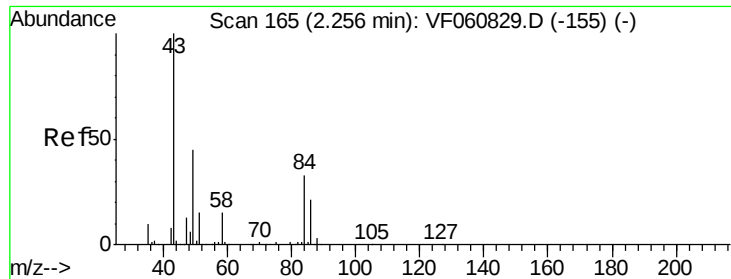
Tgt Ion: 43 Resp: 19919

Ion Ratio Lower Upper

43 100

58 11.9 11.4 17.2

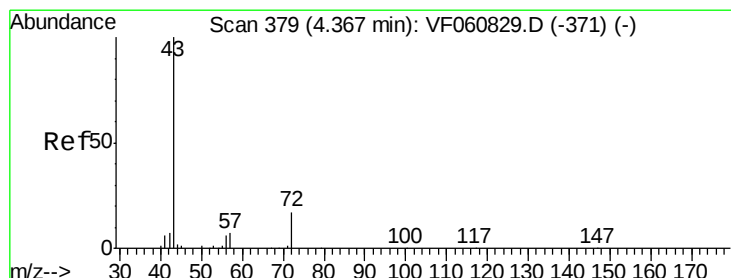
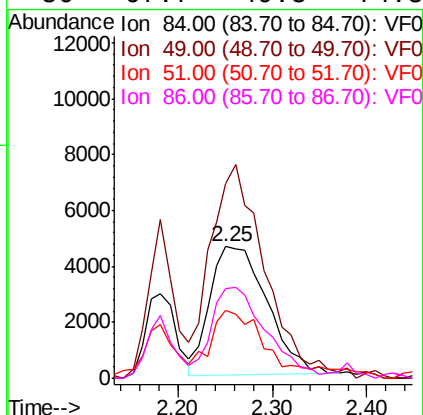
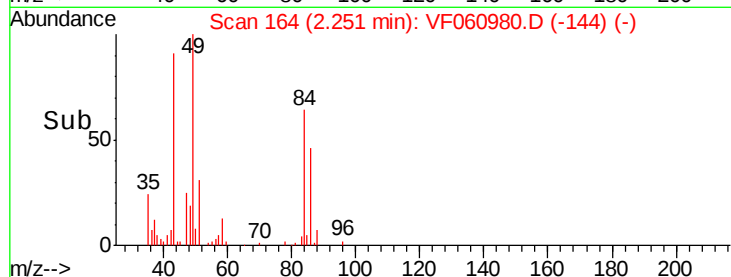
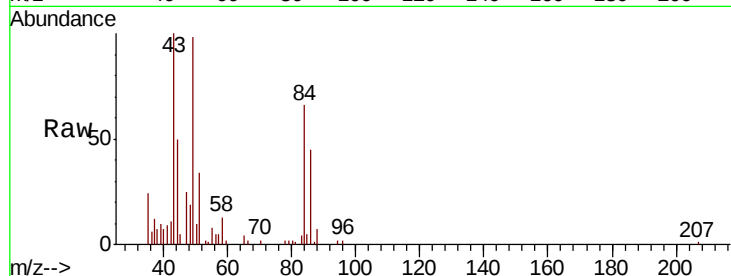




#20
Methvlene Chloride
Concen: 12.416 ug/l
RT: 2.25 min Scan# 164
Delta R.T. -0.00 min
Lab File: VF060980.D
Acq: 11 Dec 2018 17:01

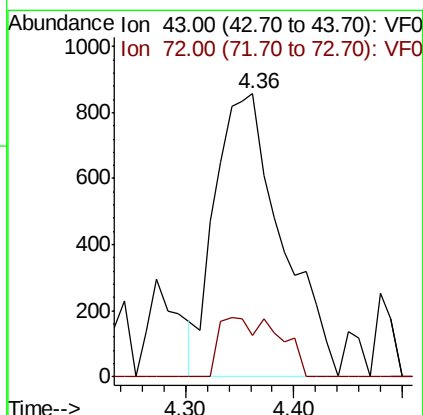
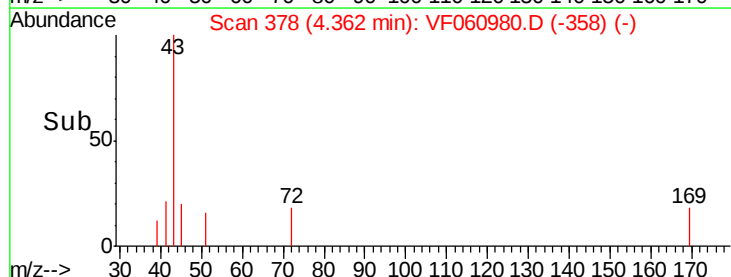
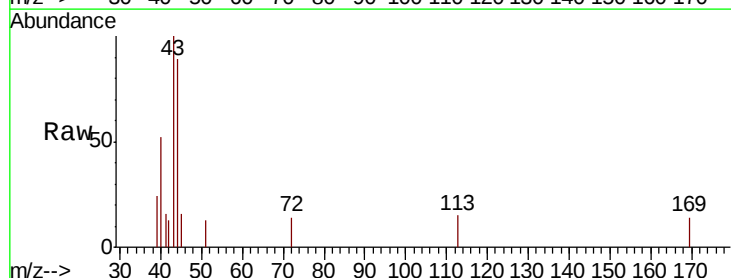
Instrument :
MSVOA_F
ClientSampleId :
CL-01-121018-C

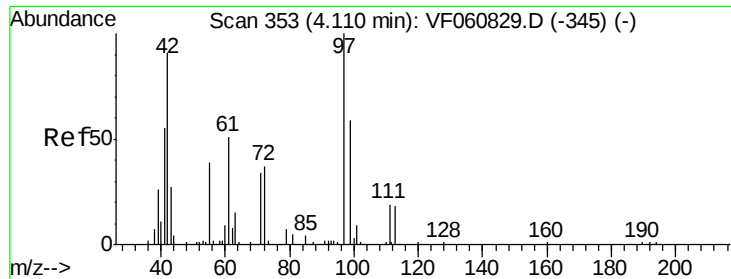
Tot Ion: 84 Resp: 19485
Ion Ratio Lower Upper
84 100
49 147.7 111.3 166.9
51 51.4 38.0 57.0
86 67.7 49.8 74.8



#25
2-Butanone
Concen: 4.951 ug/l
RT: 4.36 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF060980.D
Acq: 11 Dec 2018 17:01

Tgt Ion: 43 Resp: 3663
Ion Ratio Lower Upper
43 100
72 14.5 15.4 23.2#

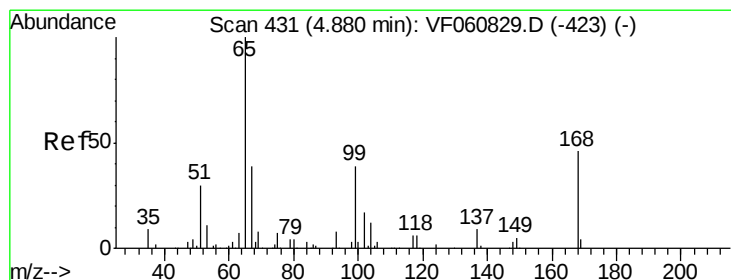
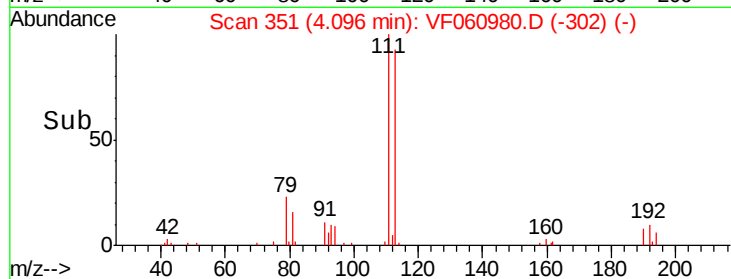
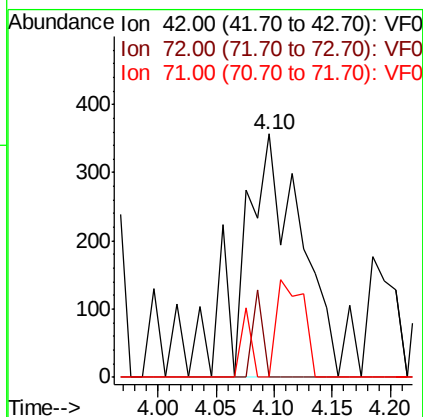
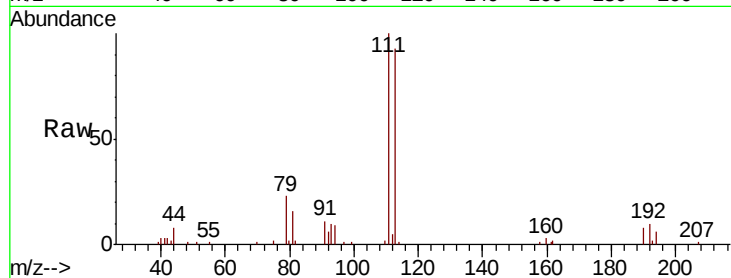




#29
Tetrahydrofuran
Concen: 4.014 ug/l
RT: 4.10 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF060980.D
Acq: 11 Dec 2018 17:01

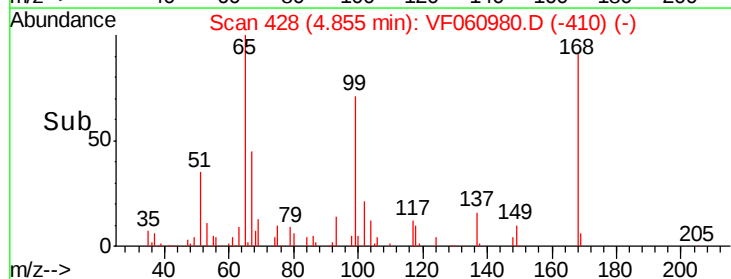
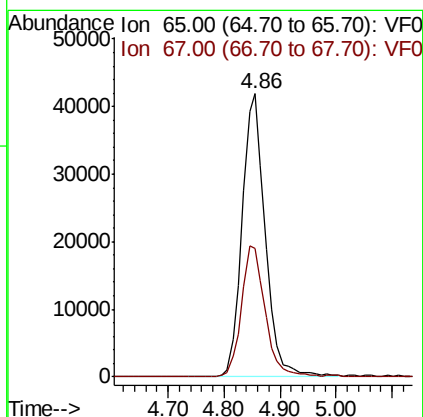
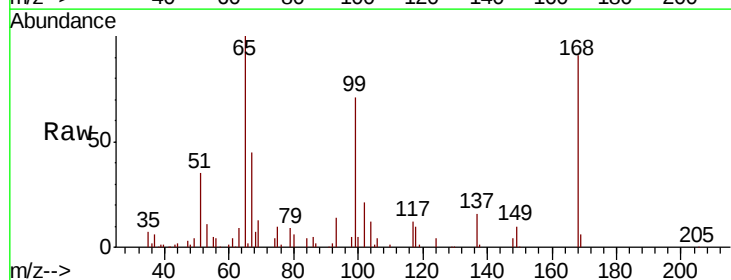
Instrument :
MSVOA_F
ClientSampleId :
CL-01-121018-C

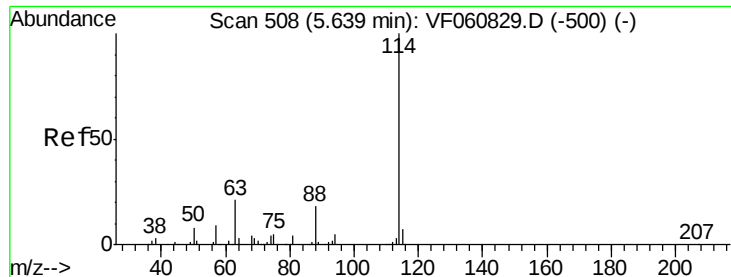
Tot Ion: 42 Resp: 1259
Ion Ratio Lower Upper
42 100
72 6.0 31.9 47.9#
71 18.1 28.7 43.1#



#33
1,2-Dichloroethane-d4
Concen: 51.744 ug/l
RT: 4.86 min Scan# 428
Delta R.T. -0.02 min
Lab File: VF060980.D
Acq: 11 Dec 2018 17:01

Tgt Ion: 65 Resp: 120034
Ion Ratio Lower Upper
65 100
67 45.4 0.0 96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.03 min

Lab File: VF060980.D

Acq: 11 Dec 2018 17:01

Instrument :

MSVOA_F

ClientSampleId :

CL-01-121018-C

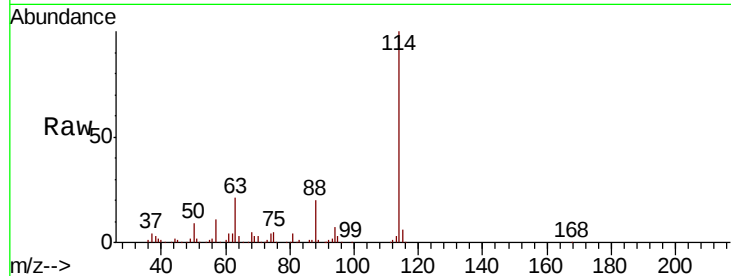
Tot Ion:114 Resp: 341240

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.6

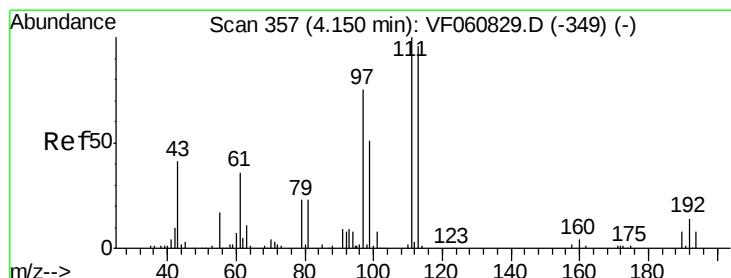
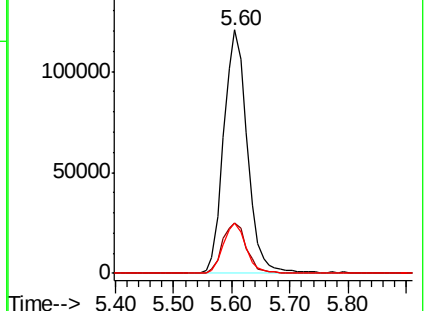
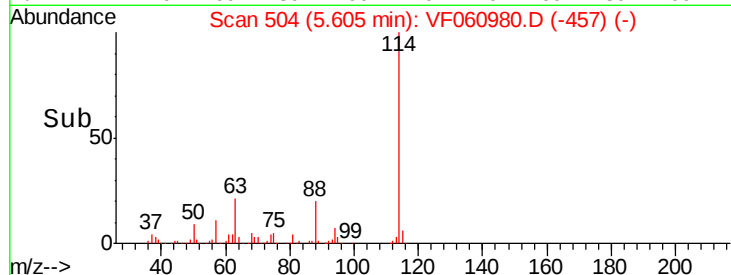
88 20.4 0.0 36.6



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: 31.503 ug/l

RT: 4.12 min Scan# 353

Delta R.T. -0.03 min

Lab File: VF060980.D

Acq: 11 Dec 2018 17:01

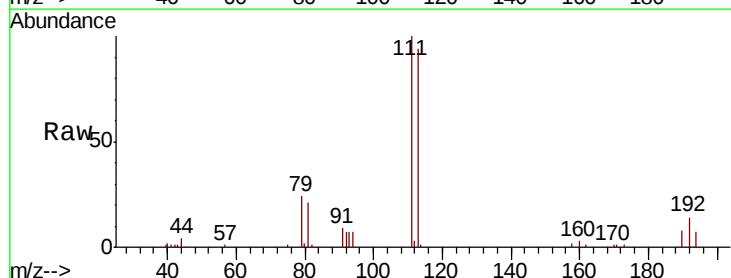
Tgt Ion:113 Resp: 85282

Ion Ratio Lower Upper

113 100

111 105.8 83.0 124.6

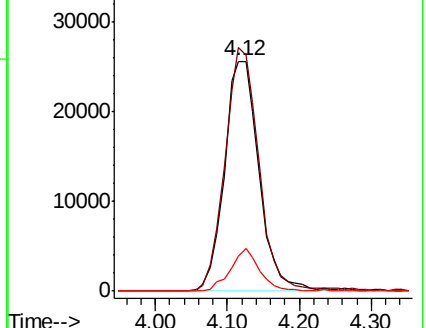
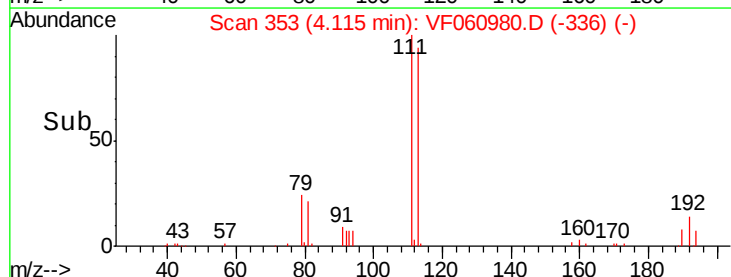
192 14.9 12.3 18.5

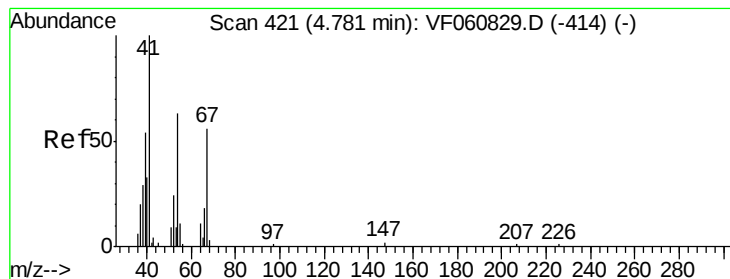


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.77 min Scan# 419

Delta R.T. -0.01 min

Lab File: VF060980.D

Acq: 11 Dec 2018 17:01

Instrument :

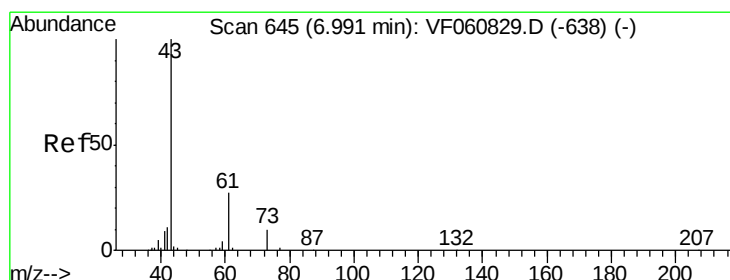
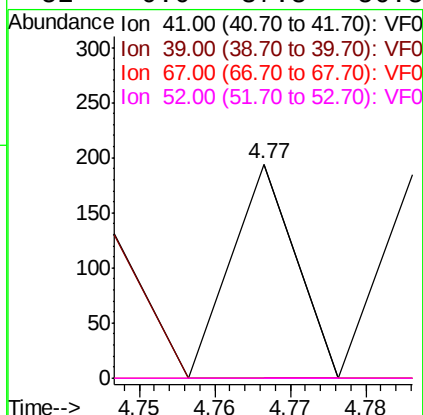
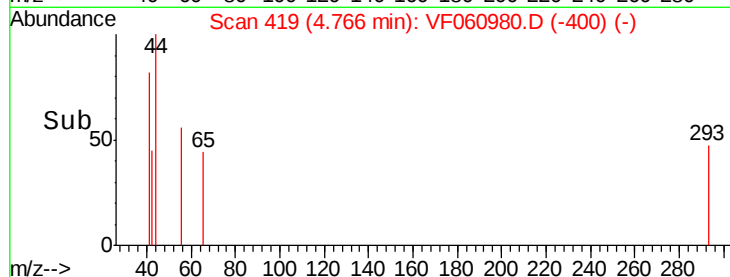
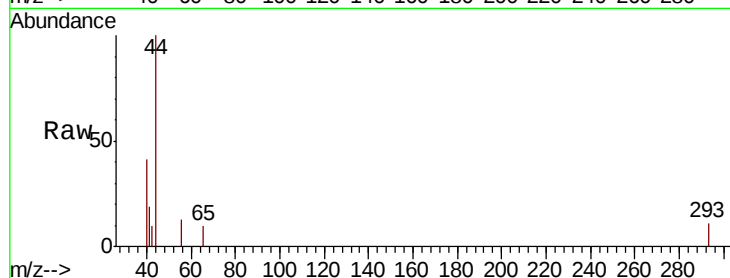
MSVOA_F

ClientSampleId :

CL-01-121018-C

Tot Ion: 41 Resp: 115

Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 6.99 min Scan# 644

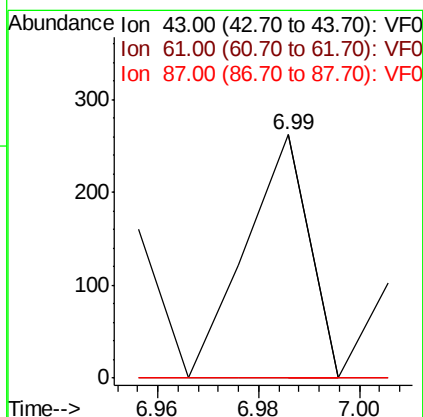
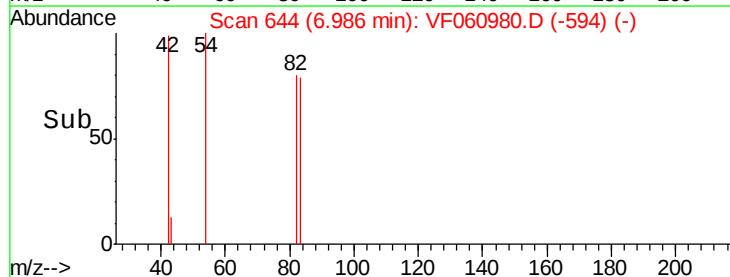
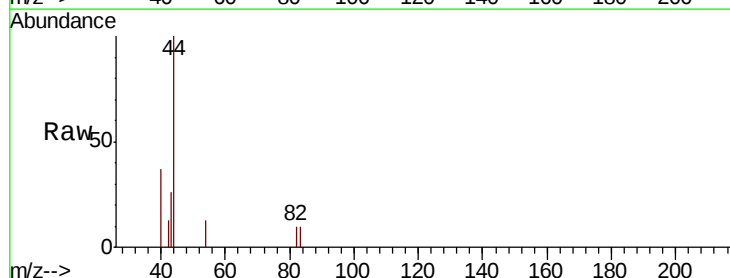
Delta R.T. -0.00 min

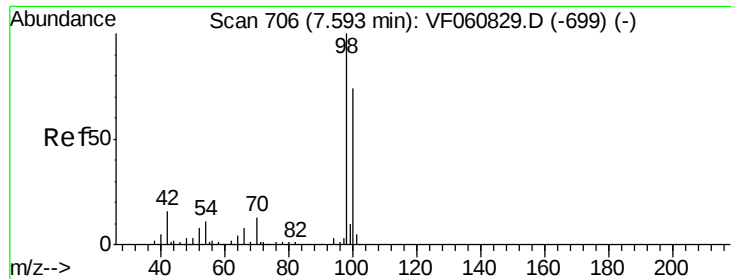
Lab File: VF060980.D

Acq: 11 Dec 2018 17:01

Tgt Ion: 43 Resp: 227

Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#





#50

Toluene-d8

Concen: 39.768 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.03 min

Lab File: VF060980.D

Acq: 11 Dec 2018 17:01

Instrument :

MSVOA_F

ClientSampleId :

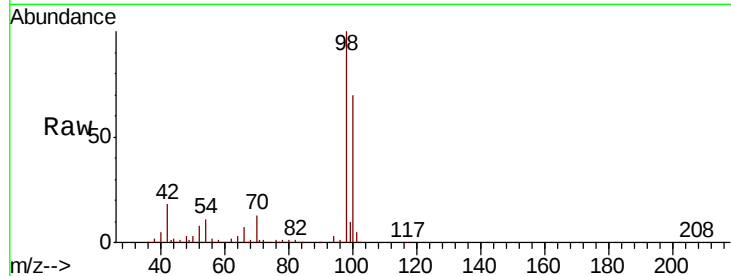
CL-01-121018-C

Tot Ion: 98 Resp: 317129

Ion Ratio Lower Upper

98 100

100 69.6 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.56

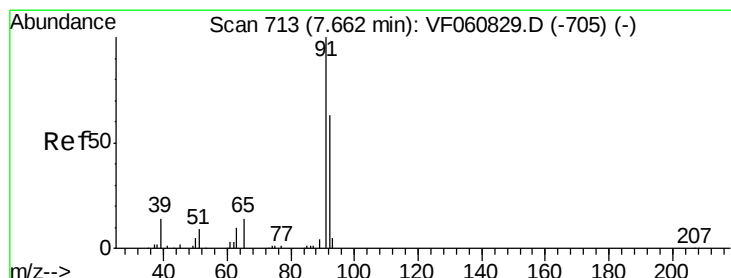
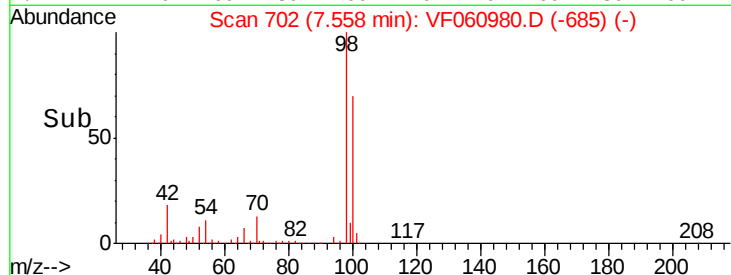
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 2.704 ug/l

RT: 7.64 min Scan# 710

Delta R.T. -0.02 min

Lab File: VF060980.D

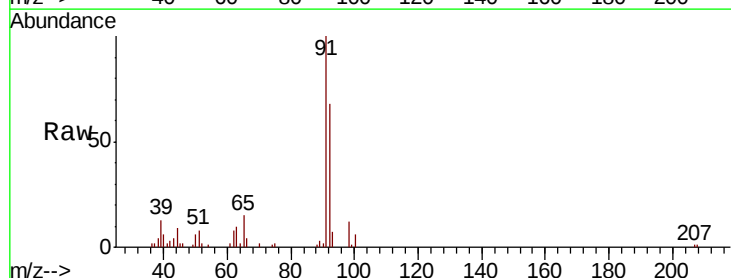
Acq: 11 Dec 2018 17:01

Tgt Ion: 92 Resp: 15882

Ion Ratio Lower Upper

92 100

91 146.8 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

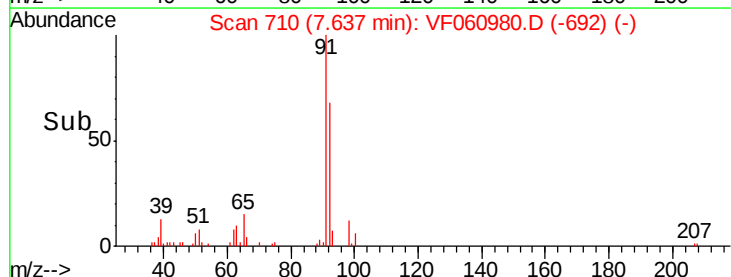
7.64

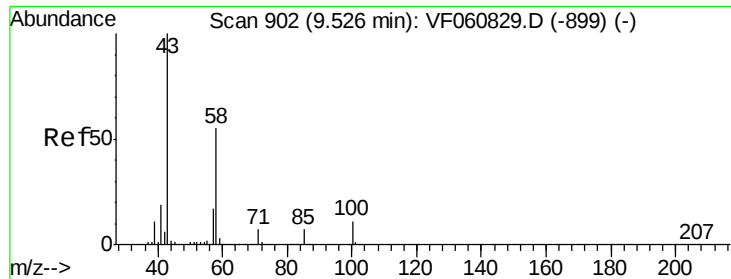
10000

5000

0

Time-->

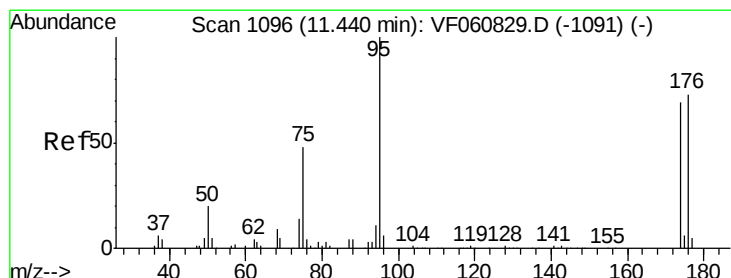
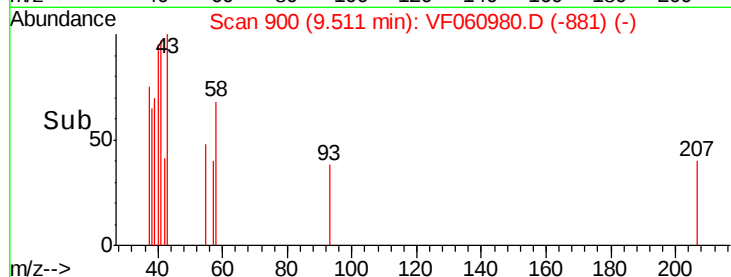
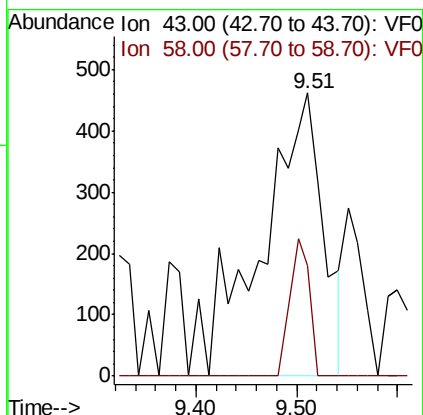
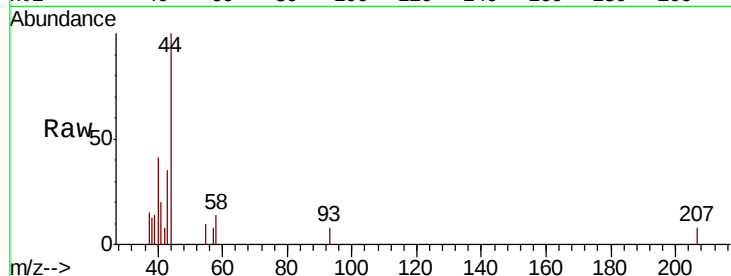




#59
2-Hexanone
Concen: 2.001 ug/l
RT: 9.51 min Scan# 900
Delta R.T. -0.01 min
Lab File: VF060980.D
Acq: 11 Dec 2018 17:01

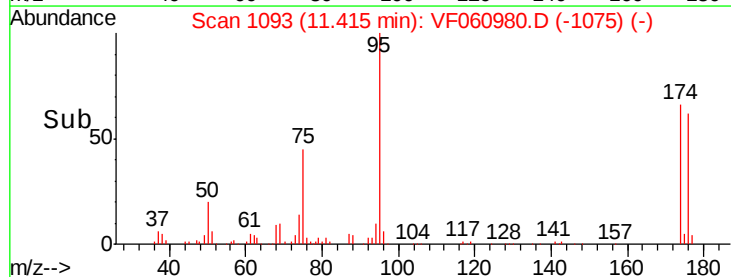
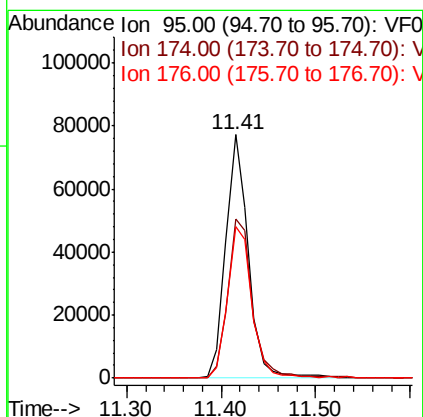
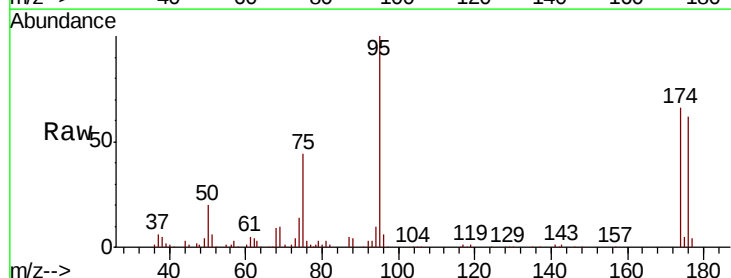
Instrument :
MSVOA_F
ClientSampleId :
CL-01-121018-C

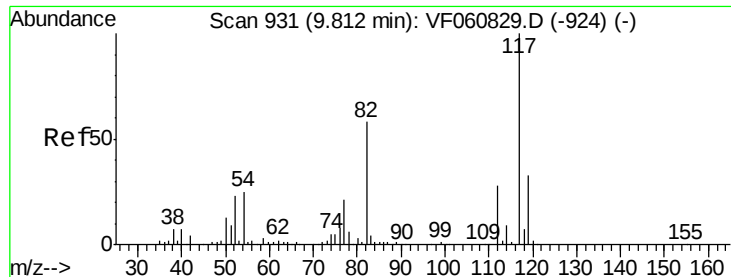
Tot Ion: 43 Resp: 1991
Ion Ratio Lower Upper
43 100
58 39.0 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 35.369 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.02 min
Lab File: VF060980.D
Acq: 11 Dec 2018 17:01

Tgt Ion: 95 Resp: 128188
Ion Ratio Lower Upper
95 100
174 65.6 0.0 138.2
176 62.0 0.0 146.2

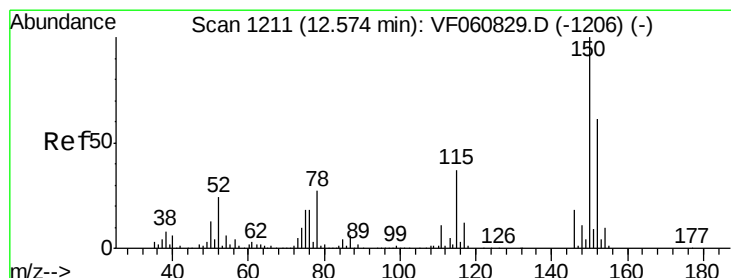
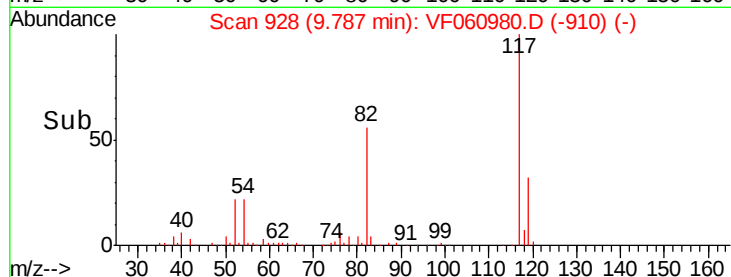
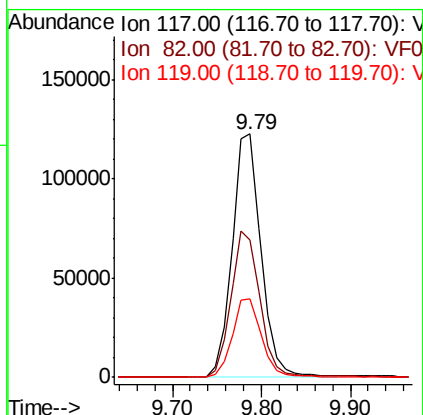
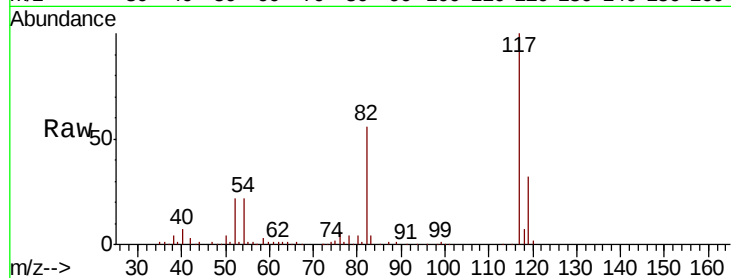




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.02 min
Lab File: VF060980.D
Acq: 11 Dec 2018 17:01

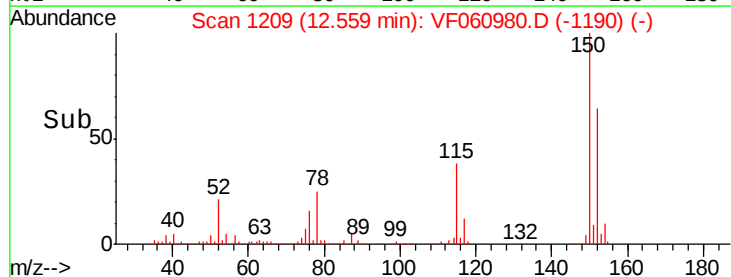
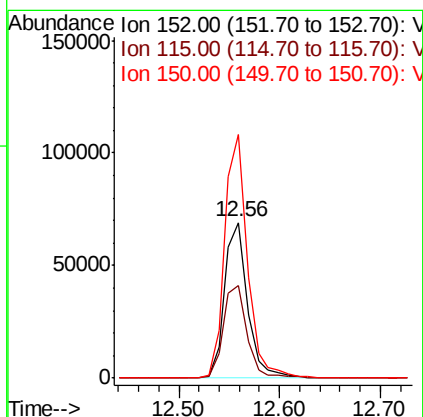
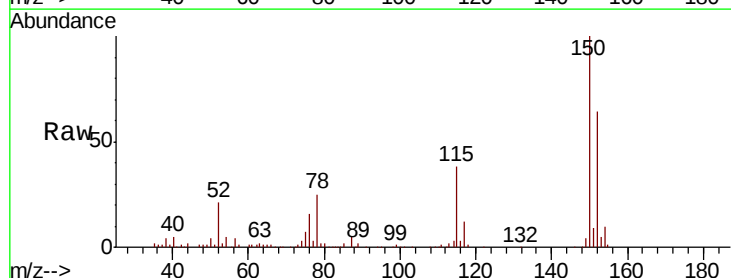
Instrument :
MSVOA_F
ClientSampleId :
CL-01-121018-C

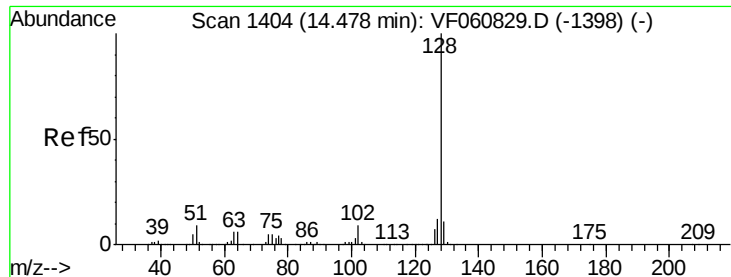
Tot Ion:117 Resp: 279253
Ion Ratio Lower Upper
117 100
82 56.2 46.6 69.8
119 32.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF060980.D
Acq: 11 Dec 2018 17:01

Tgt Ion:152 Resp: 110008
Ion Ratio Lower Upper
152 100
115 59.5 30.1 90.5
150 156.6 0.0 327.6





#95
Naphthalene
Concen: Below Cal
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060980.D
Acq: 11 Dec 2018 17:01

Instrument :
MSVOA_F
ClientSampleId :
CL-01-121018-C

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.2	9.9	14.9#
129	11.5	9.1	13.7

