

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060793.D
 Acq On : 19 Nov 2018 23:22
 Operator : VA/AP
 Sample : J5950-12
 Misc : 5.50µ/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-15

Quant Time: Nov 20 02:22:04 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	4.88	168	176575	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	319879	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	283378	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	175801	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	106779	53.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.04%	
35) Dibromofluoromethane	4.12	113	126187	52.48	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	104.96%	
50) Toluene-d8	7.56	98	302887	49.02	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.42	95	157882	55.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.94%	

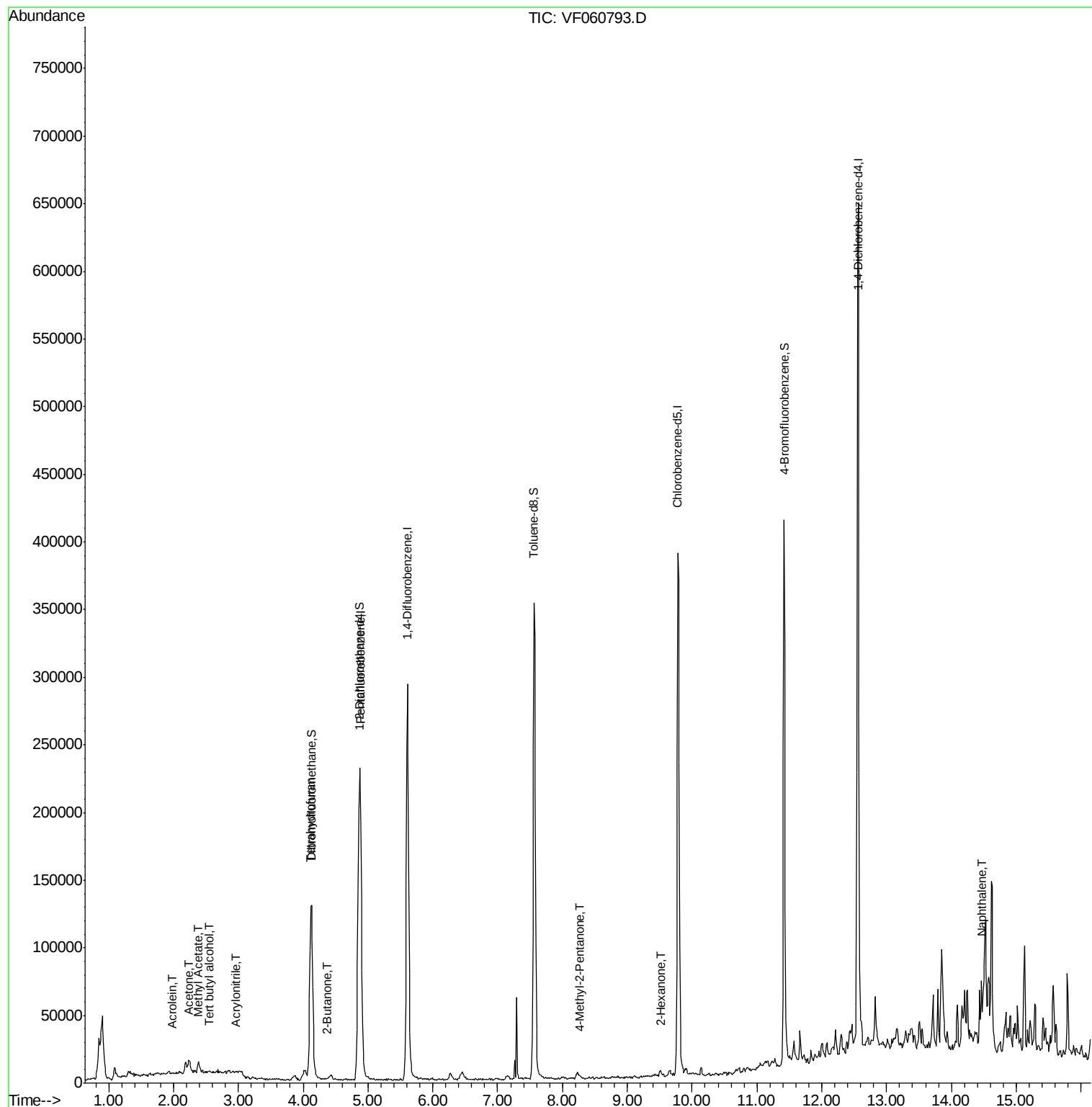
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	150	1.636	ug/l #	1
13) Acrolein	1.98	56	478	5.703	ug/l #	82
15) Acrylonitrile	2.95	53	736	3.768	ug/l #	32
16) Acetone	2.23	43	5789	13.448	ug/l	95
18) Methyl Acetate	2.39	43	2249	3.182	ug/l #	64
20) Methylene Chloride	2.18	84	3810	Below Cal	#	83
25) 2-Butanone	4.36	43	2186	3.087	ug/l #	56
29) Tetrahydrofuran	4.11	42	696	2.383	ug/l #	44
41) Methacrylonitrile	4.75	41	767	Below Cal	#	26
51) 4-Methyl-2-Pentanone	8.27	43	2701	2.042	ug/l #	74
59) 2-Hexanone	9.51	43	3548	3.817	ug/l	72
95) Naphthalene	14.47	128	10198	1.409	ug/l #	90

(#) = 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: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060793.D

Acq: 19 Nov 2018 23:22

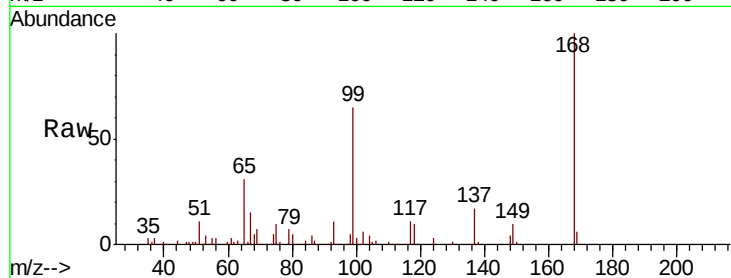
Instrument :
MSVOA_F
ClientSampleId :
SSI-15

Tot Ion:168 Resp: 176575

Ion Ratio Lower Upper

168 100

99 65.1 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

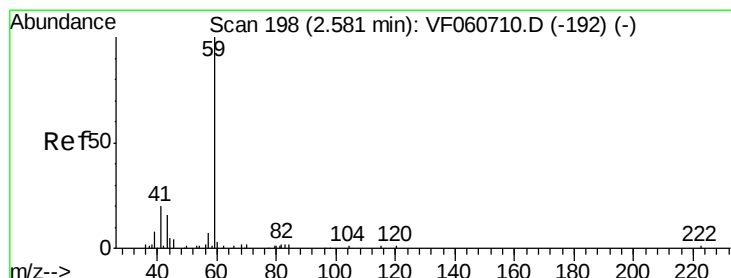
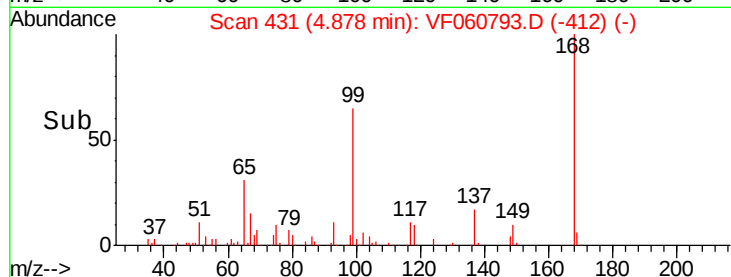
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.636 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF060793.D

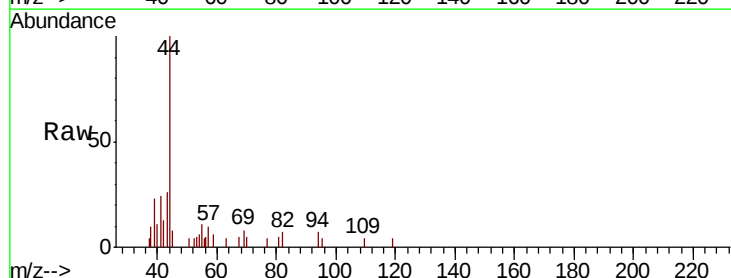
Acq: 19 Nov 2018 23:22

Tgt Ion: 59 Resp: 150

Ion Ratio Lower Upper

59 100

57 190.0 10.5 15.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

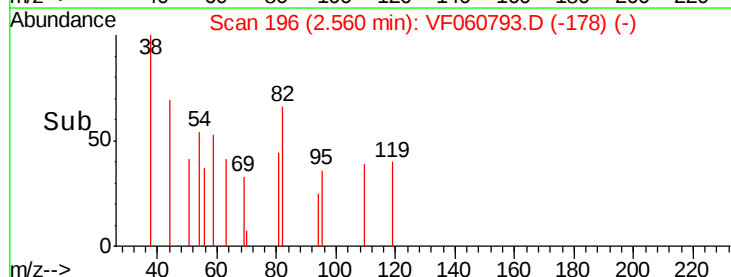
300

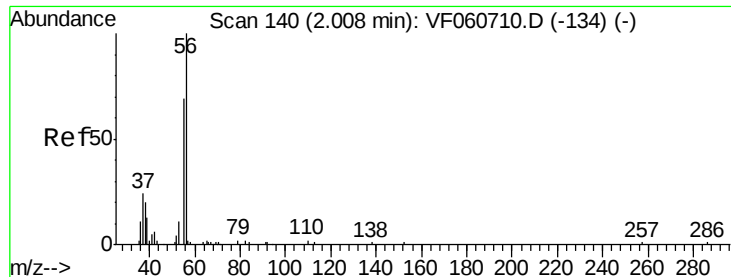
200

100

0

Time-->





#13

Acrolein

Concen: 5.703 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF060793.D

Acq: 19 Nov 2018 23:22

Instrument :

MSVOA_F

ClientSampled :

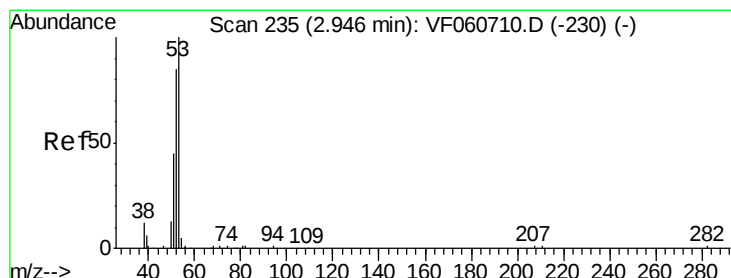
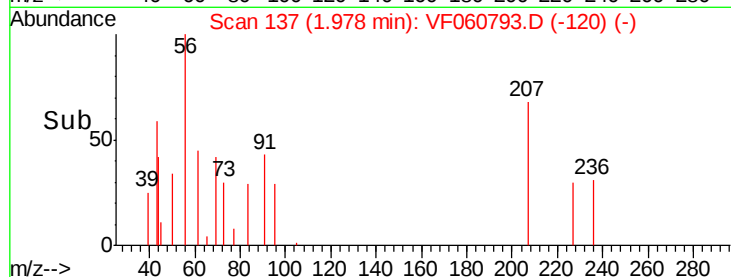
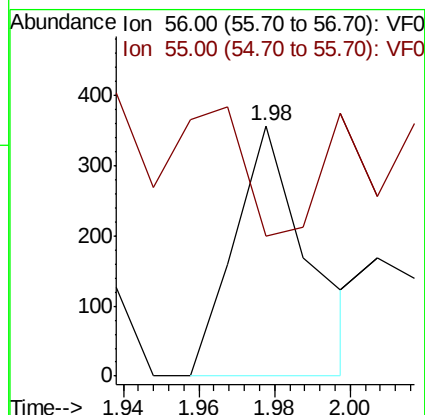
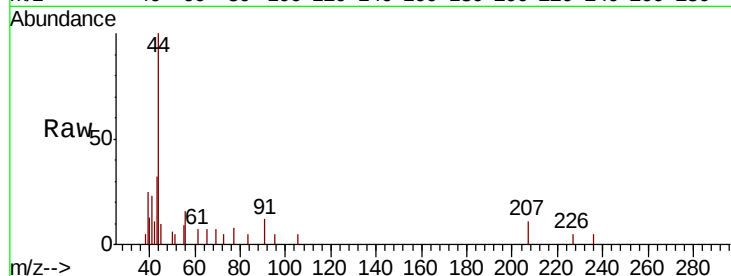
SSI-15

Tot Ion: 56 Resp: 478

Ion Ratio Lower Upper

56 100

55 55.7 56.6 85.0#



#15

Acrylonitrile

Concen: 3.768 ug/l

RT: 2.95 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF060793.D

Acq: 19 Nov 2018 23:22

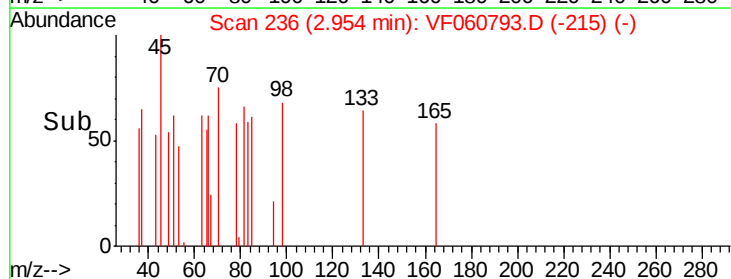
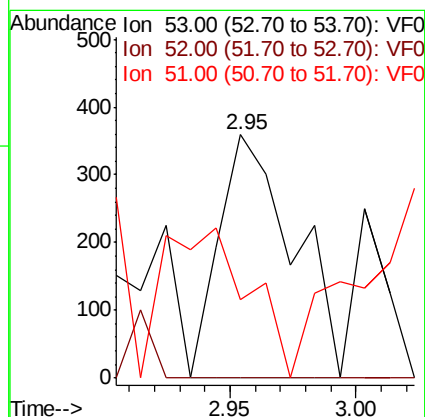
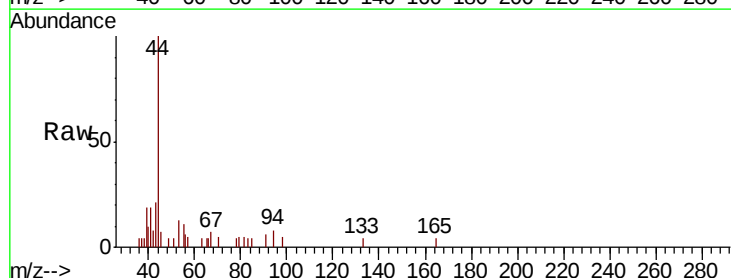
Tgt Ion: 53 Resp: 736

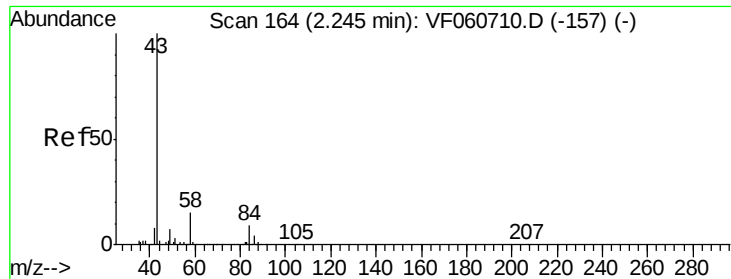
Ion Ratio Lower Upper

53 100

52 0.0 68.8 103.2#

51 32.0 36.7 55.1#





#16

Acetone

Concen: 13.448 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF060793.D

Acq: 19 Nov 2018 23:22

Instrument :

MSVOA_F

ClientSampled :

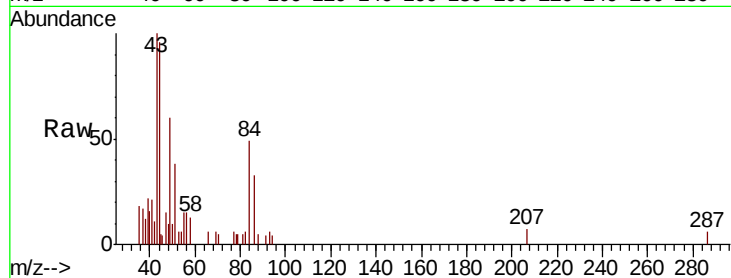
SSI-15

Tot Ion: 43 Resp: 5789

Ion Ratio Lower Upper

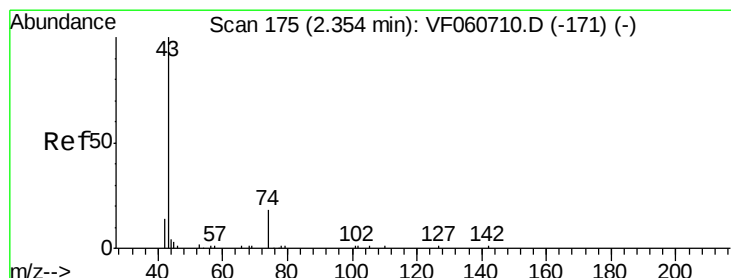
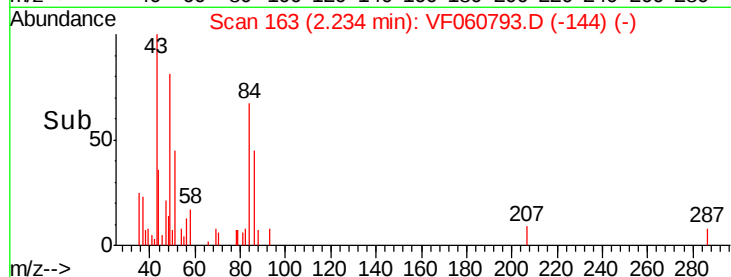
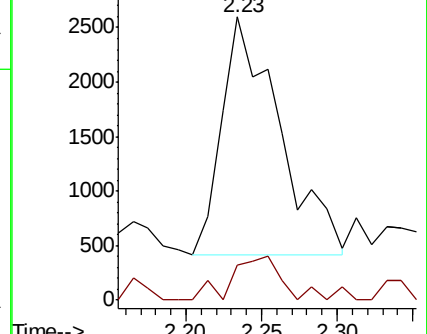
43 100

58 12.6 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 3.182 ug/l

RT: 2.39 min Scan# 179

Delta R.T. 0.04 min

Lab File: VF060793.D

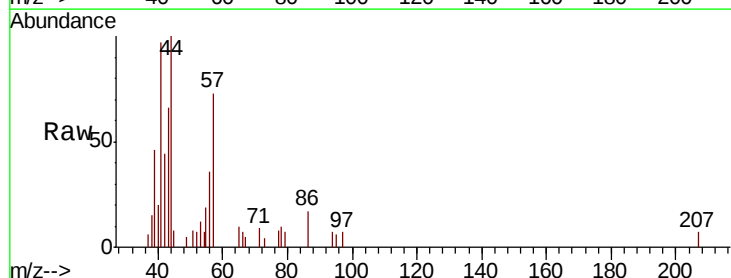
Acq: 19 Nov 2018 23:22

Tgt Ion: 43 Resp: 2249

Ion Ratio Lower Upper

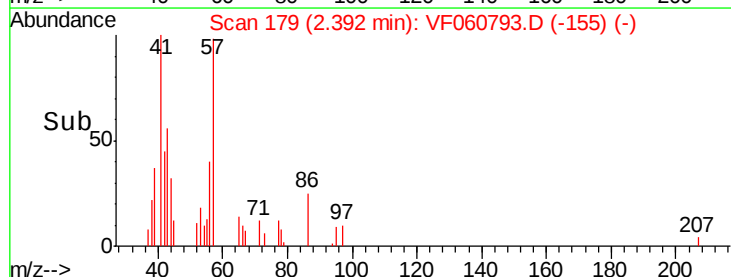
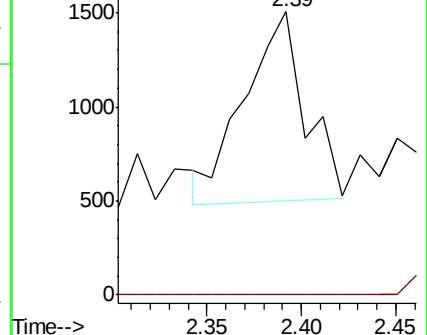
43 100

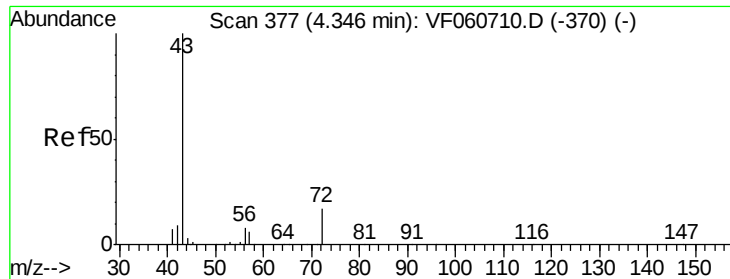
74 0.0 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#25

2-Butanone

Concen: 3.087 ug/l

RT: 4.36 min Scan# 379

Delta R.T. 0.02 min

Lab File: VF060793.D

Acq: 19 Nov 2018 23:22

Instrument :

MSVOA_F

ClientSampled :

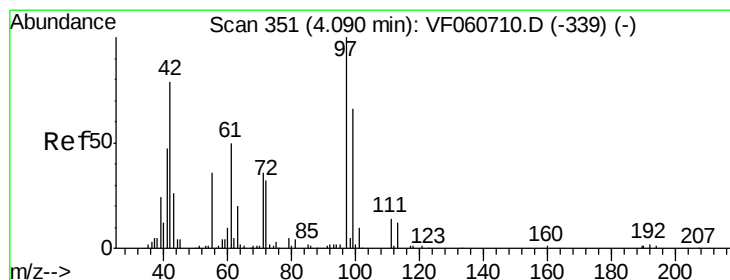
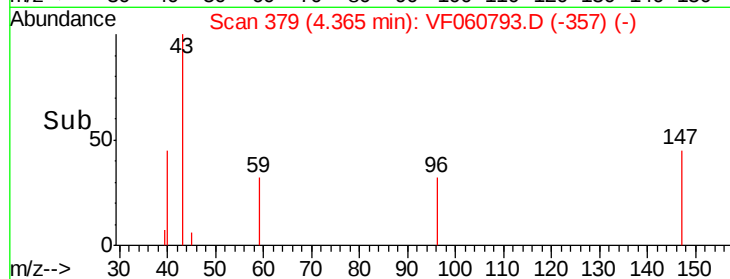
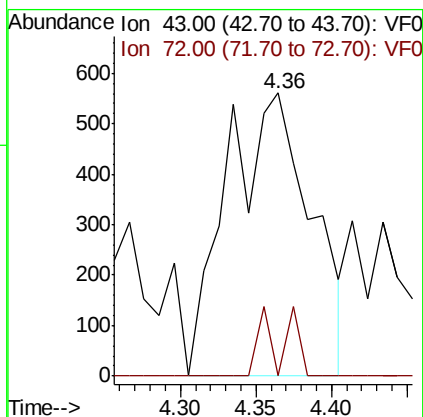
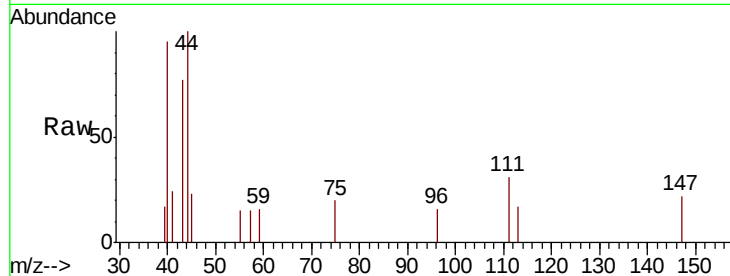
SSI-15

Tot Ion: 43 Resp: 2186

Ion Ratio Lower Upper

43 100

72 0.0 16.1 24.1#



#29

Tetrahydrofuran

Concen: 2.383 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.02 min

Lab File: VF060793.D

Acq: 19 Nov 2018 23:22

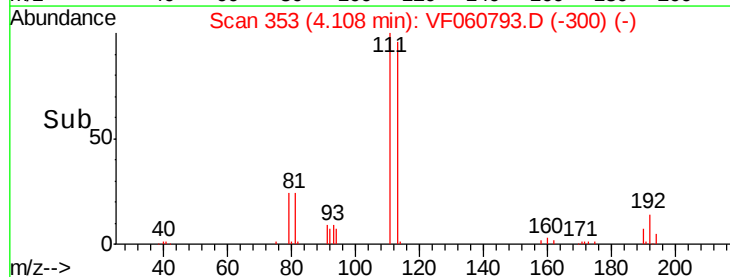
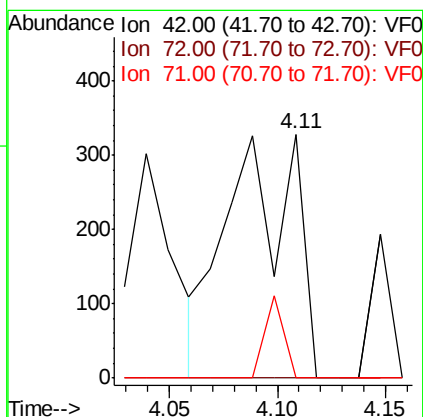
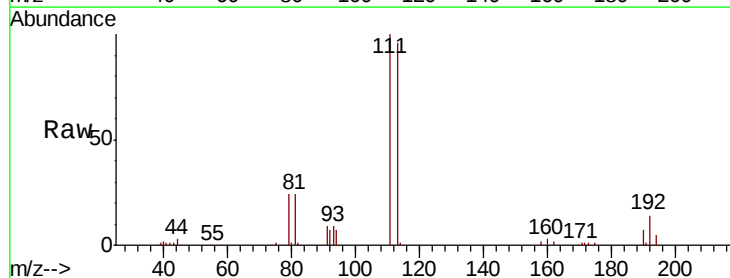
Tgt Ion: 42 Resp: 696

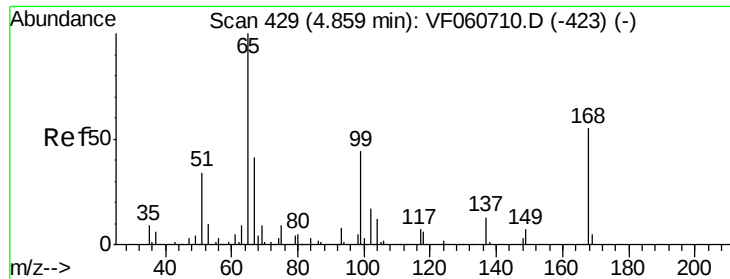
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 9.5 32.2 48.2#

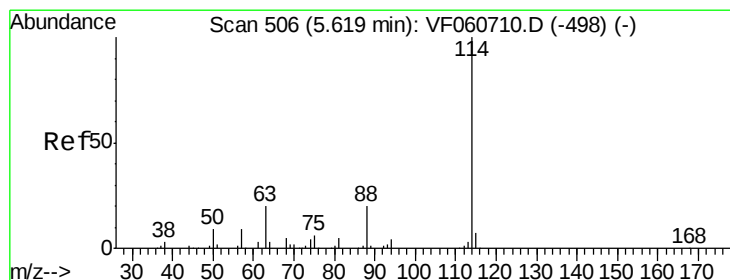
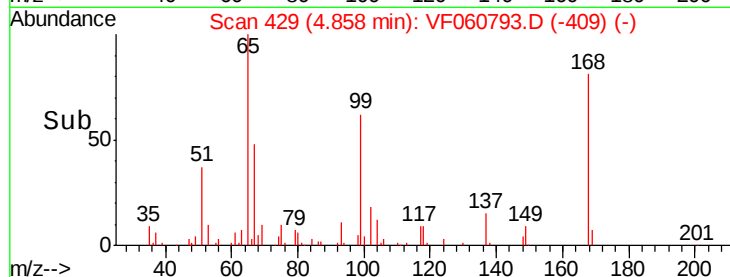
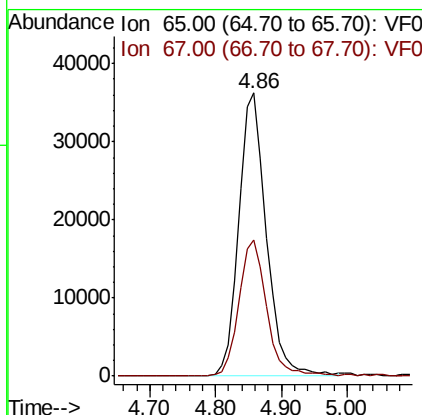
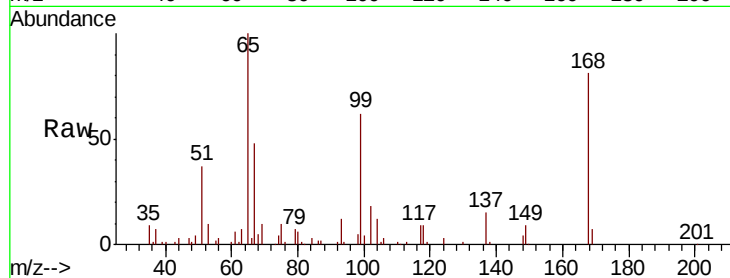




#33
 1,2-Dichloroethane-d4
 Concen: 53.017 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VF060793.D
 Acq: 19 Nov 2018 23:22

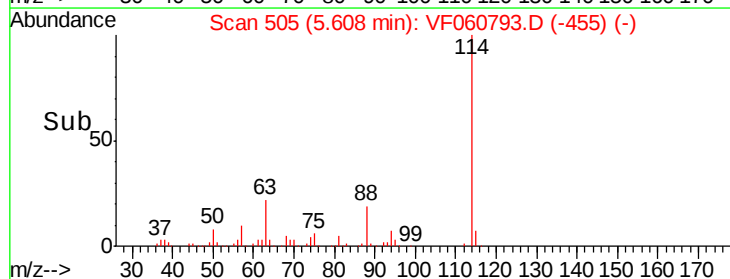
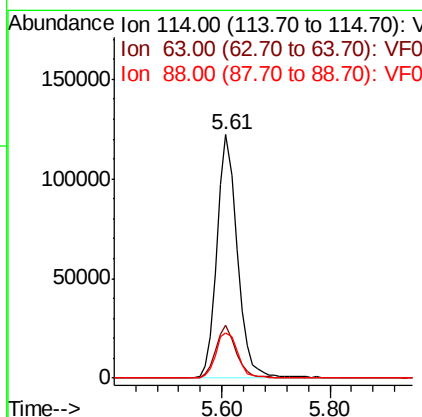
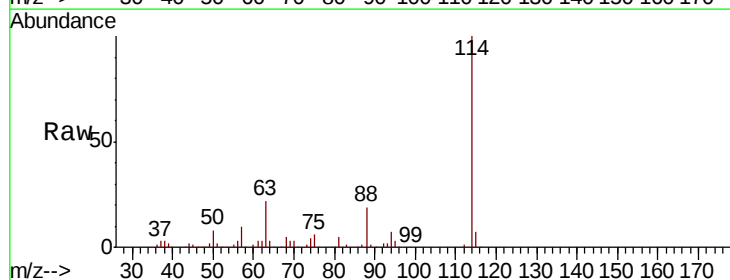
Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-15

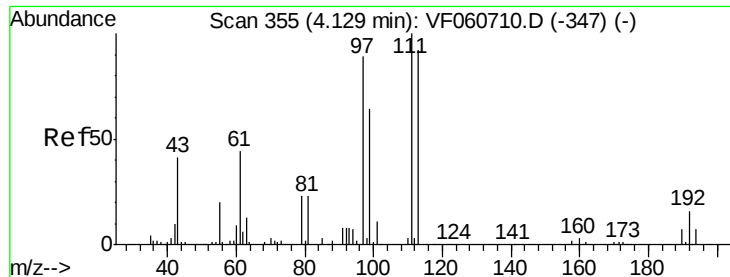
Tot Ion: 65 Resp: 106779
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VF060793.D
 Acq: 19 Nov 2018 23:22

Tgt Ion: 114 Resp: 319879
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.8
 88 18.6 0.0 39.6





#35

Dibromofluoromethane

Concen: 52.479 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060793.D

Acq: 19 Nov 2018 23:22

Instrument :

MSVOA_F

ClientSampled :

SSI-15

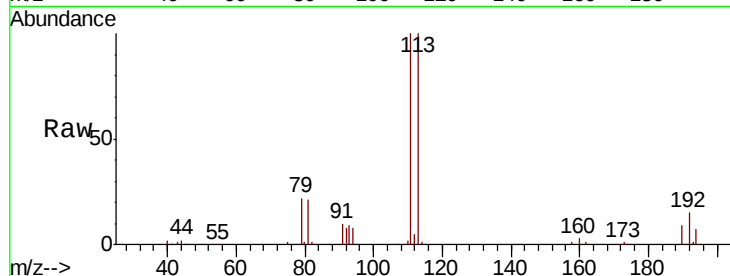
Tot Ion:113 Resp: 126187

Ion Ratio Lower Upper

113 100

111 100.3 87.1 130.7

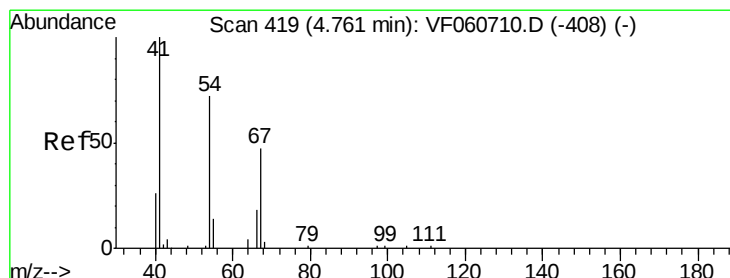
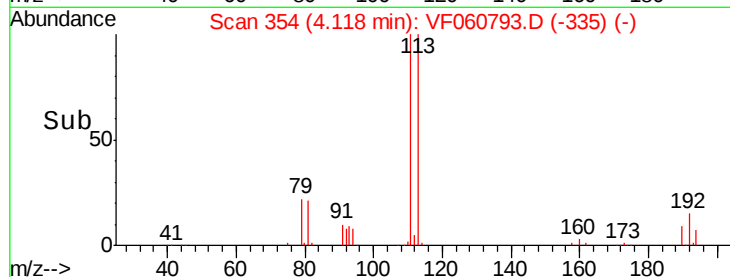
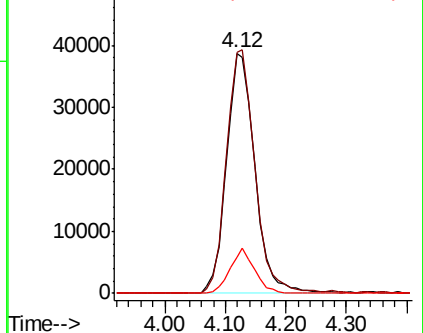
192 14.9 13.8 20.6



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: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF060793.D

Acq: 19 Nov 2018 23:22

Tgt Ion: 41 Resp: 767

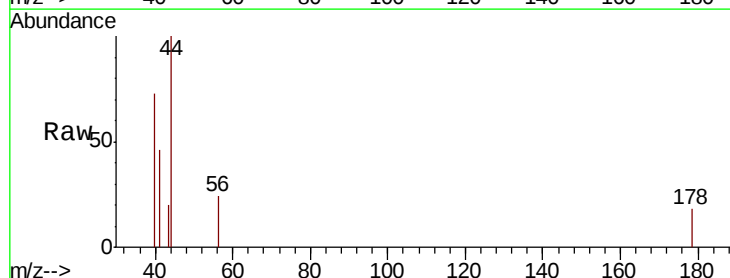
Ion Ratio Lower Upper

41 100

39 0.0 47.1 70.7#

67 0.0 37.1 55.7#

52 0.0 39.3 58.9#

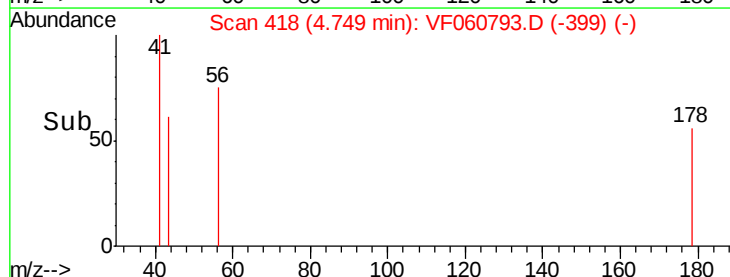
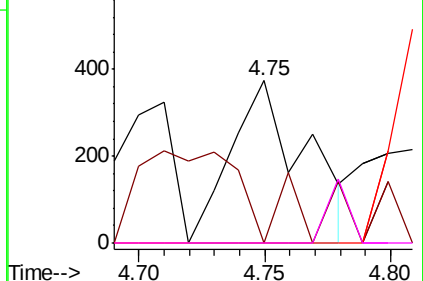


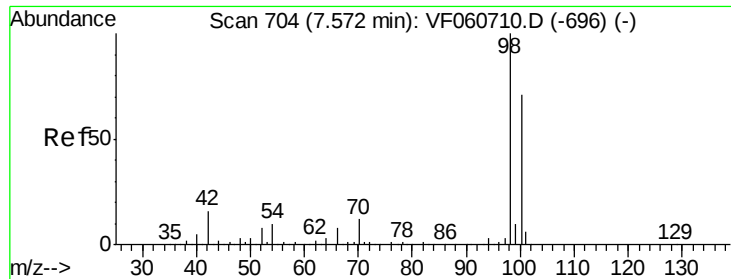
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

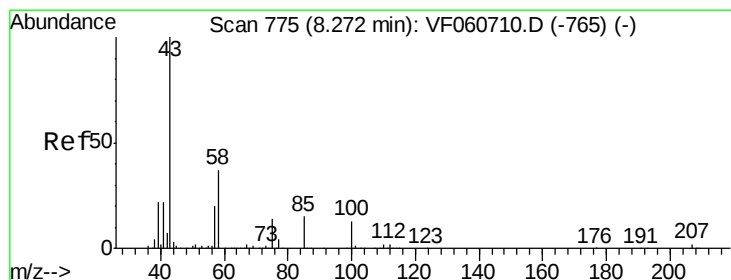
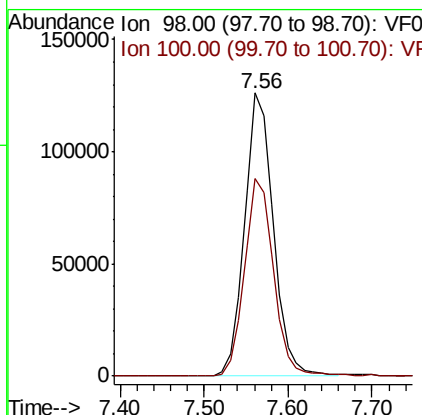
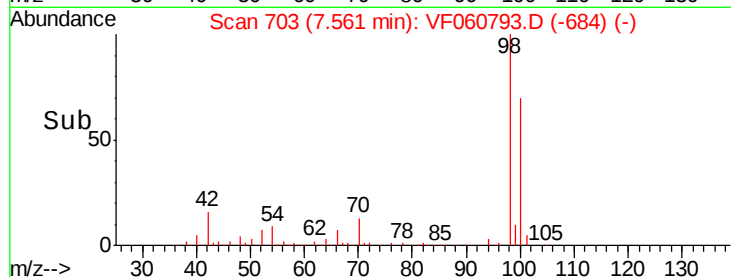
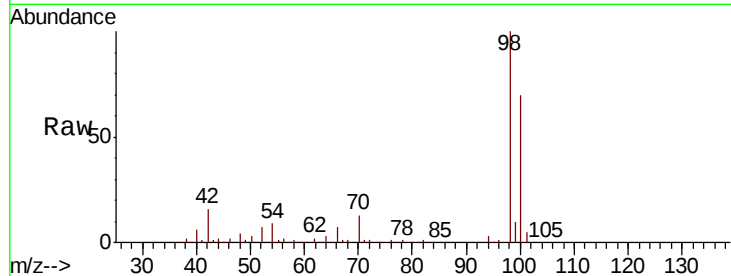




#50
Toluene-d8
Concen: 49.016 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060793.D
Acq: 19 Nov 2018 23:22

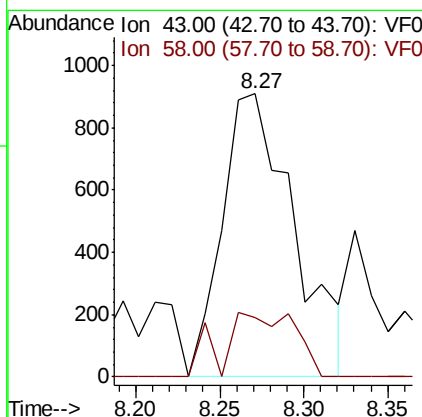
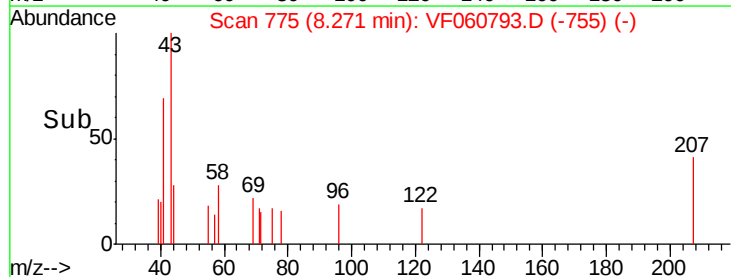
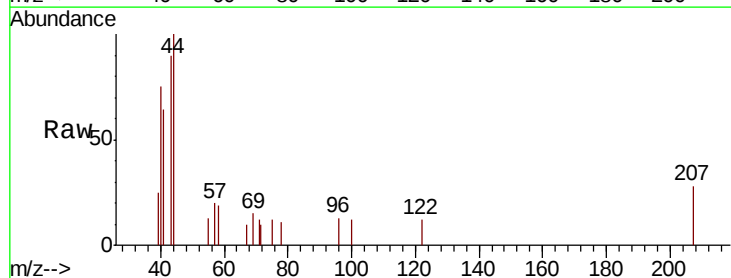
Instrument :
MSVOA_F
ClientSampleId :
SSI-15

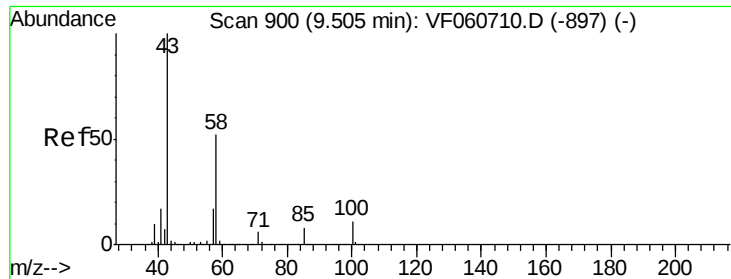
Tot Ion: 98 Resp: 302887
Ion Ratio Lower Upper
98 100
100 69.7 56.5 84.7



#51
4-Methyl-2-Pentanone
Concen: 2.042 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.00 min
Lab File: VF060793.D
Acq: 19 Nov 2018 23:22

Tgt Ion: 43 Resp: 2701
Ion Ratio Lower Upper
43 100
58 21.0 29.2 43.8#

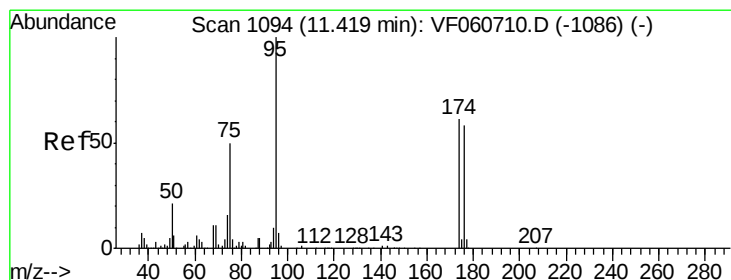
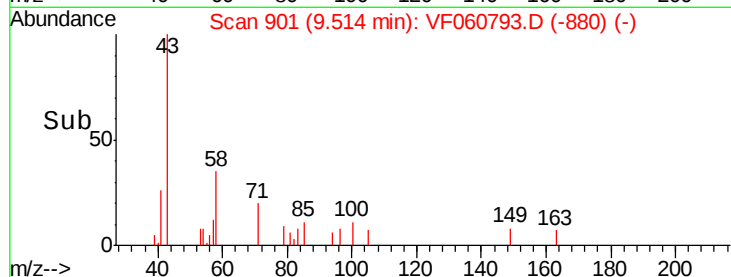
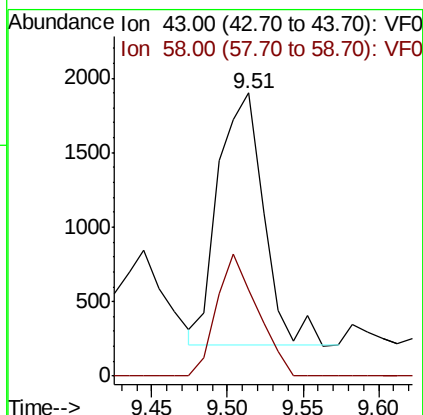
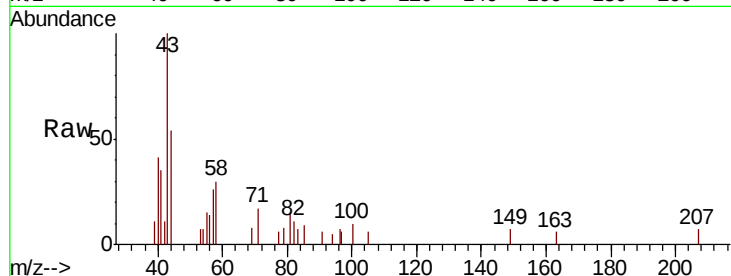




#59
2-Hexanone
Concen: 3.817 ug/l
RT: 9.51 min Scan# 901
Delta R.T. 0.01 min
Lab File: VF060793.D
Acq: 19 Nov 2018 23:22

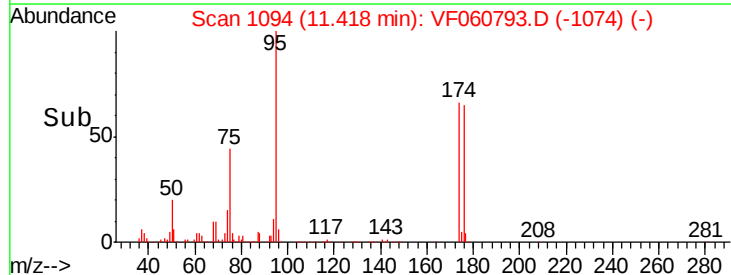
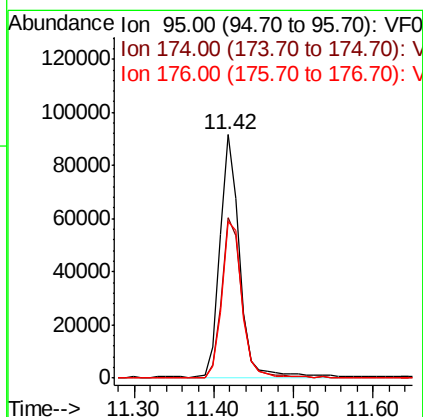
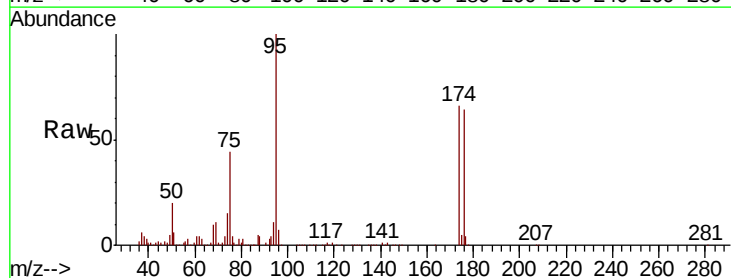
Instrument :
MSVOA_F
ClientSampleId :
SSI-15

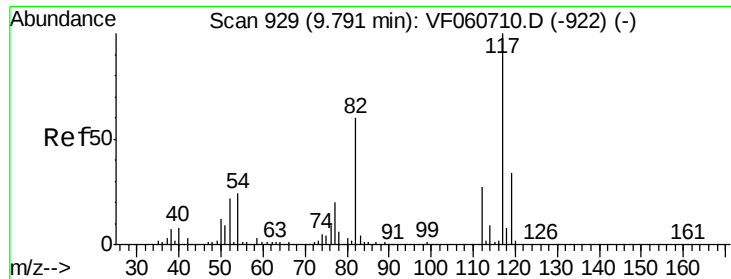
Tot Ion: 43 Resp: 3548
Ion Ratio Lower Upper
43 100
58 30.3 24.9 74.7



#62
4-Bromofluorobenzene
Concen: 55.969 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VF060793.D
Acq: 19 Nov 2018 23:22

Tgt Ion: 95 Resp: 157882
Ion Ratio Lower Upper
95 100
174 66.0 0.0 121.6
176 64.3 0.0 115.2

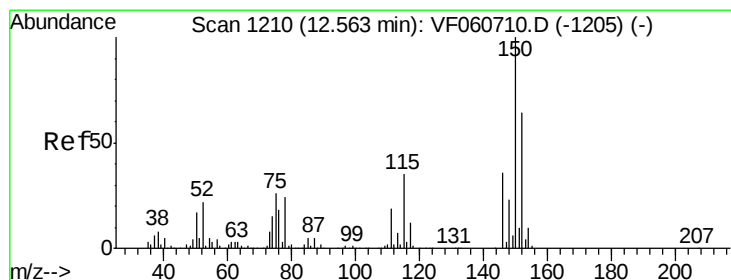
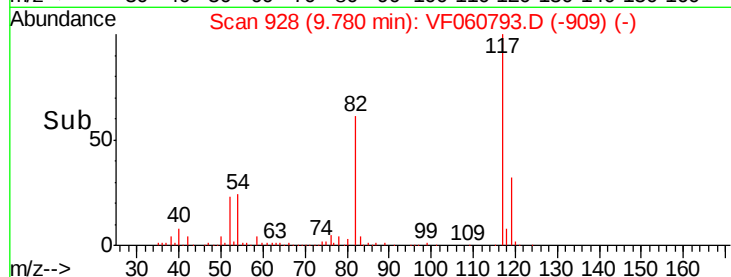
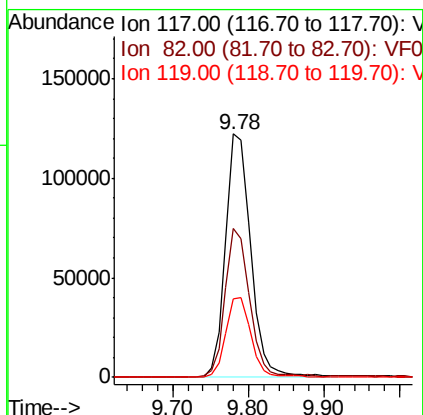
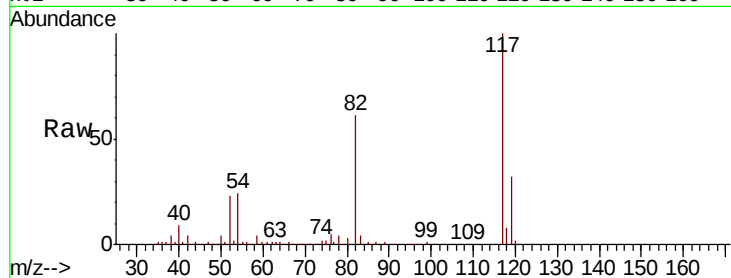




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060793.D
Acq: 19 Nov 2018 23:22

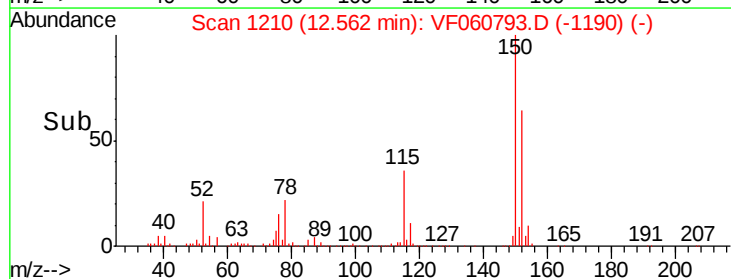
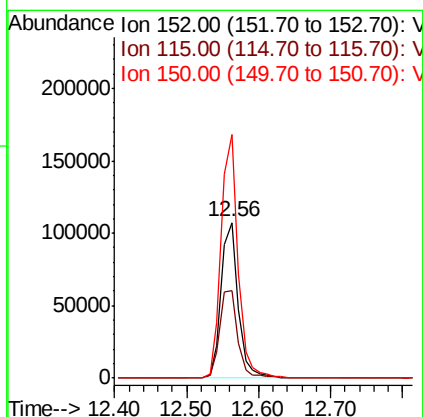
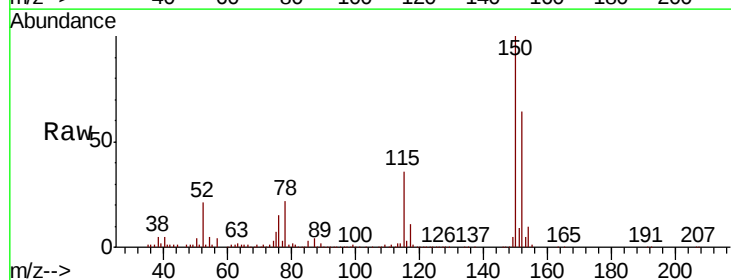
Instrument :
MSVOA_F
ClientSampleId :
SSI-15

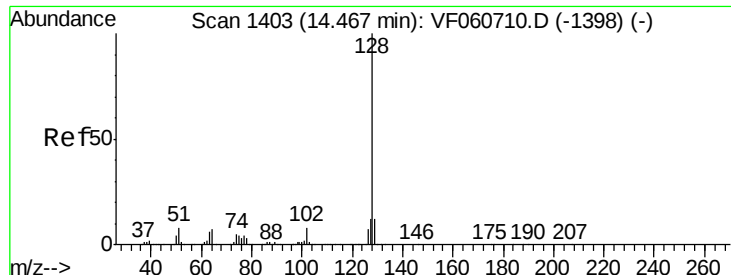
Tot Ion:117 Resp: 283378
Ion Ratio Lower Upper
117 100
82 61.2 47.9 71.9
119 32.4 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VF060793.D
Acq: 19 Nov 2018 23:22

Tgt Ion:152 Resp: 175801
Ion Ratio Lower Upper
152 100
115 56.3 27.9 83.7
150 156.5 0.0 316.4





#95

Naphthalene

Concen: 1.409 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. -0.00 min

Lab File: VF060793.D

Acq: 19 Nov 2018 23:22

Instrument :

MSVOA_F

ClientSampleId :

SSI-15

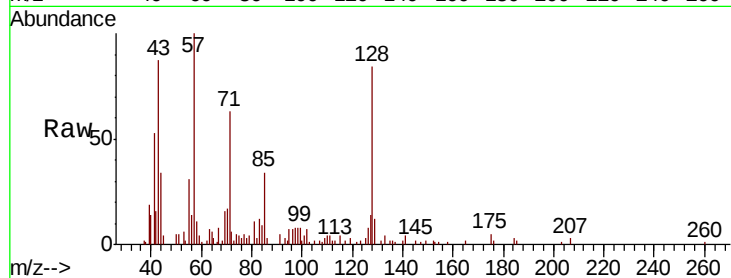
Tot Ion:128 Resp: 10198

Ion Ratio Lower Upper

128 100

127 17.1 9.8 14.6#

129 14.1 9.3 13.9#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

