

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060794.D
 Acq On : 19 Nov 2018 23:51
 Operator : VA/AP
 Sample : J5950-14
 Misc : 5.80µ/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-08

Quant Time: Nov 20 02:22:16 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	4.89	168	194839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	320863	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.79	117	262336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	144063	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	97816	44.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.02%	
35) Dibromofluoromethane	4.12	113	128895	53.44	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	106.88%	
50) Toluene-d8	7.56	98	326037	52.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.78%	
62) 4-Bromofluorobenzene	11.42	95	142540	49.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.88%	

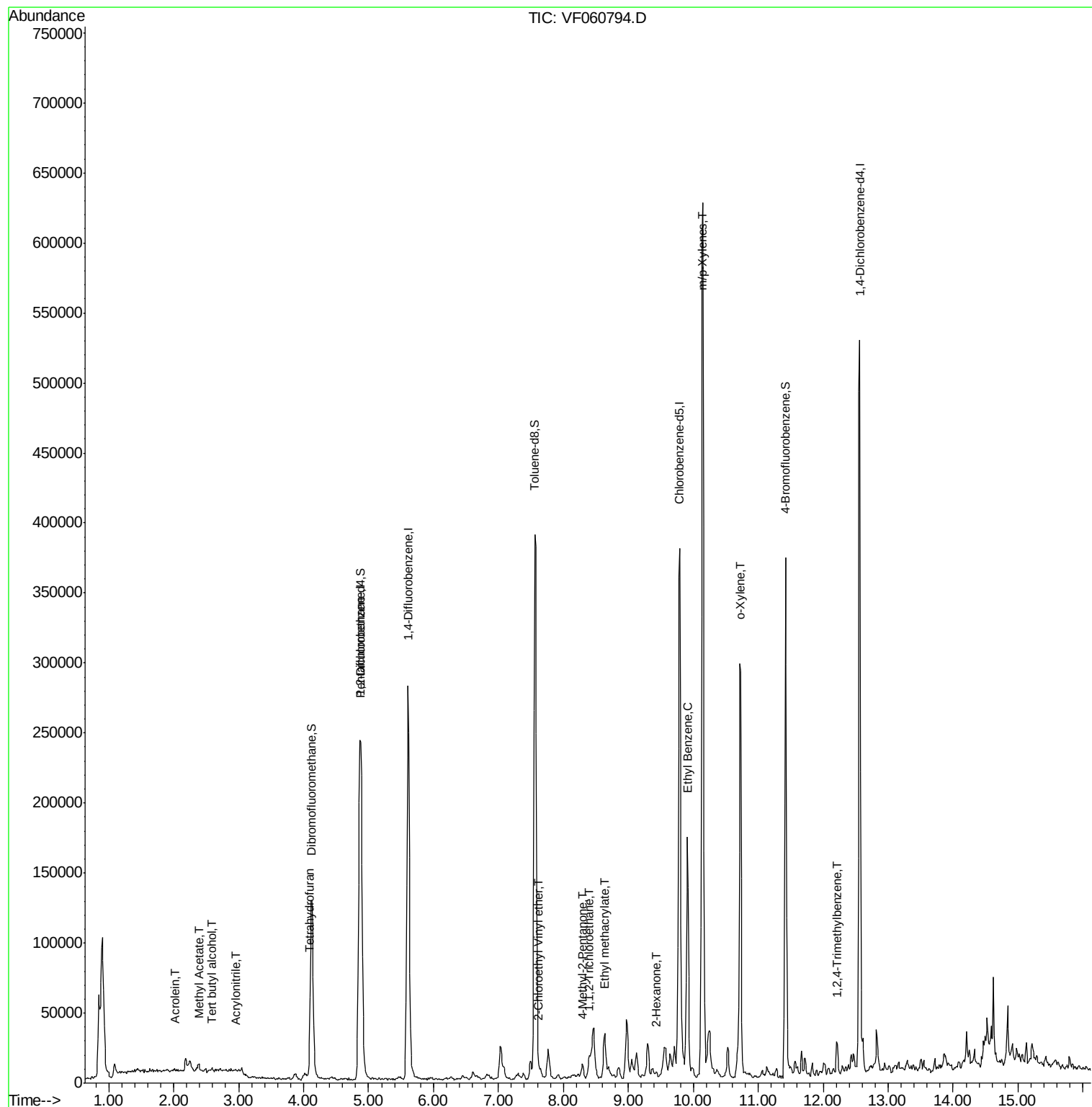
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.59	59	258	2.551	ug/l #	67
13) Acrolein	2.02	56	494	5.342	ug/l #	71
15) Acrylonitrile	2.96	53	786	3.647	ug/l #	68
18) Methyl Acetate	2.38	43	3003	3.850	ug/l #	83
20) Methylene Chloride	2.19	84	3382	Below Cal	#	91
29) Tetrahydrofuran	4.09	42	552	1.713	ug/l #	36
41) Methacrylonitrile	4.75	41	559	Below Cal	#	26
51) 4-Methyl-2-Pentanone	8.29	43	6668	5.026	ug/l #	49
55) 1,1,2-Trichloroethane	8.40	97	4599	2.896	ug/l #	47
56) Ethyl methacrylate	8.64	69	16883	9.360	ug/l #	69
58) 2-Chloroethyl Vinyl ether	7.63	63	224	1.359	ug/l	100
59) 2-Hexanone	9.44	43	999	1.071	ug/l #	28
67) Ethyl Benzene	9.91	91	129487	12.977	ug/l	97
68) m/p-Xylenes	10.15	106	231024	64.785	ug/l	94
69) o-Xylene	10.73	106	92991	23.194	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	9937	1.044	ug/l	90

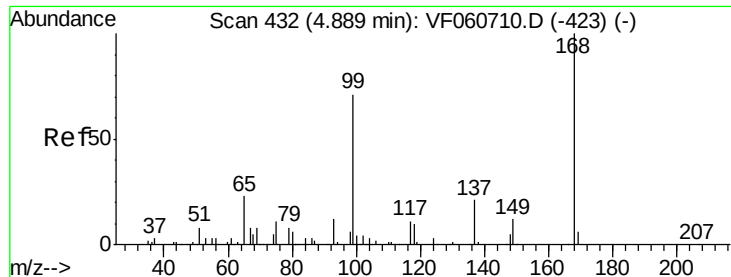
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111918\
Data File : VF060794.D
Acq On : 19 Nov 2018 23:51
Operator : VA/AP
Sample : J5950-14
Misc : 5.80q/5mL/MSVOA-F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SSI-08

Quant Time: Nov 20 02:22:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
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: 4.89 min Scan# 432

Delta R.T. -0.00 min

Lab File: VF060794.D

Acq: 19 Nov 2018 23:51

Instrument :

MSVOA_F

ClientSampled :

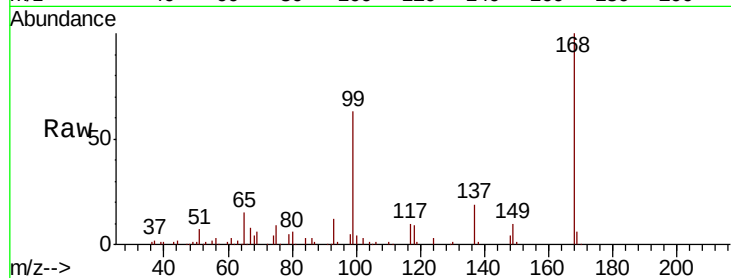
SSI-08

Tot Ion:168 Resp: 194839

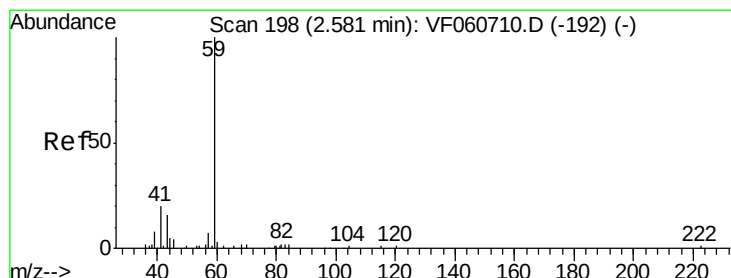
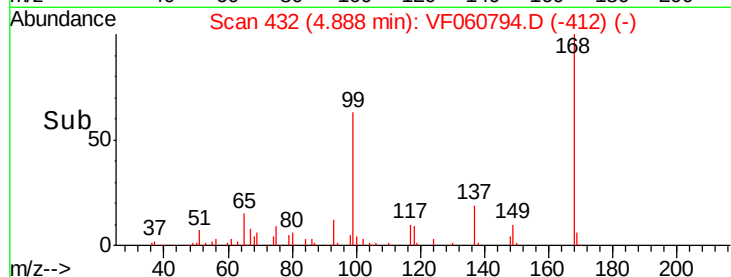
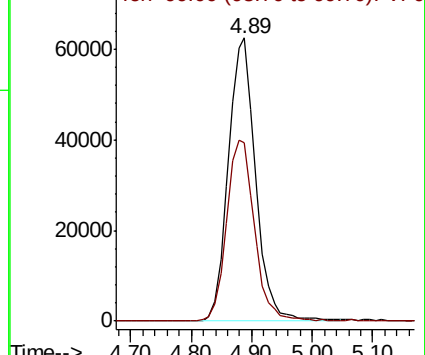
Ion Ratio Lower Upper

168 100

99 63.2 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 2.551 ug/l

RT: 2.59 min Scan# 199

Delta R.T. 0.01 min

Lab File: VF060794.D

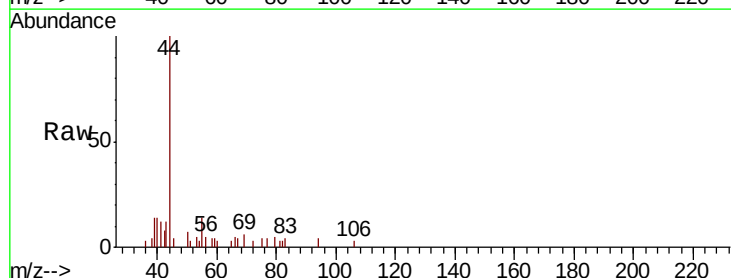
Acq: 19 Nov 2018 23:51

Tgt Ion: 59 Resp: 258

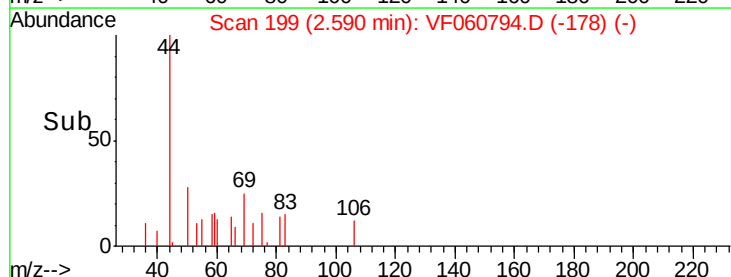
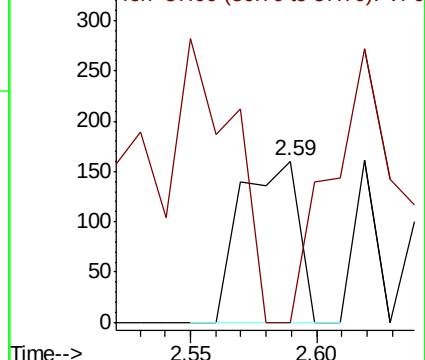
Ion Ratio Lower Upper

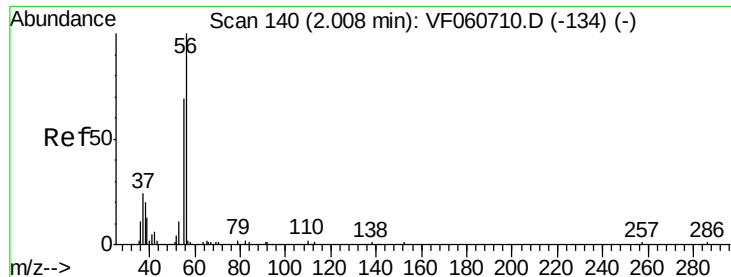
59 100

57 0.0 10.5 15.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 5.342 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF060794.D

Acq: 19 Nov 2018 23:51

Instrument :

MSVOA_F

ClientSampled :

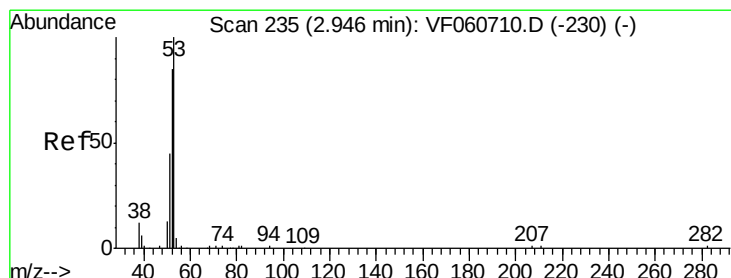
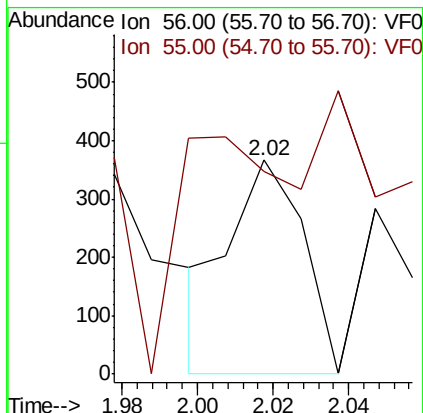
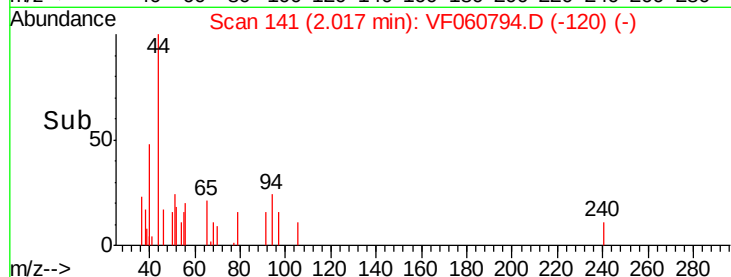
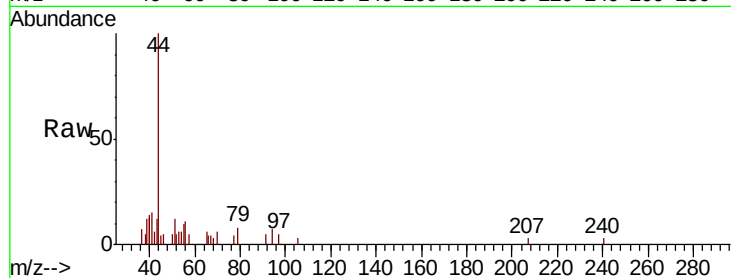
SSI-08

Tot Ion: 56 Resp: 494

Ion Ratio Lower Upper

56 100

55 94.8 56.6 85.0#



#15

Acrylonitrile

Concen: 3.647 ug/l

RT: 2.96 min Scan# 237

Delta R.T. 0.02 min

Lab File: VF060794.D

Acq: 19 Nov 2018 23:51

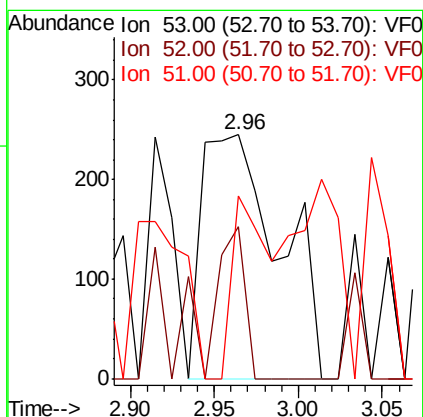
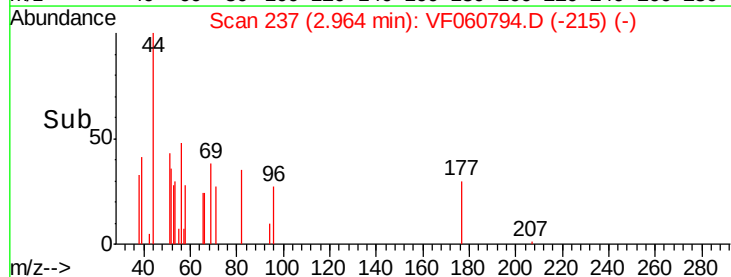
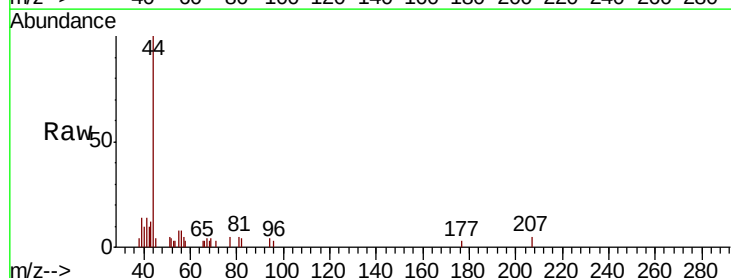
Tgt Ion: 53 Resp: 786

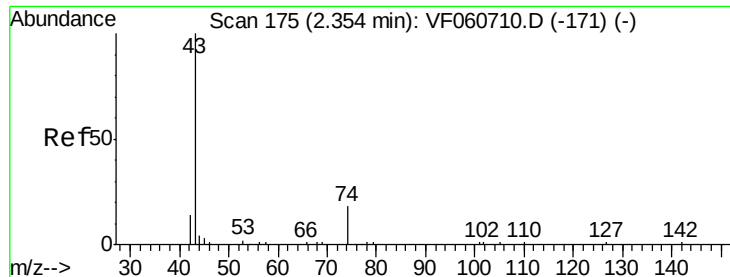
Ion Ratio Lower Upper

53 100

52 62.4 68.8 103.2#

51 75.1 36.7 55.1#

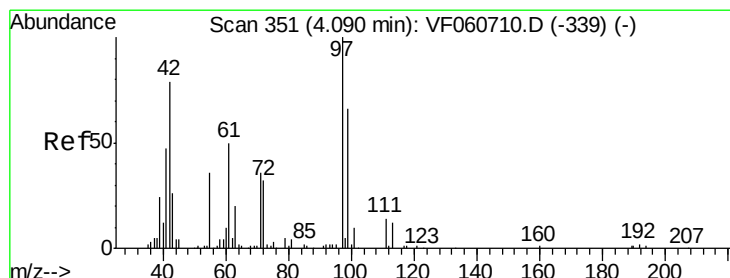
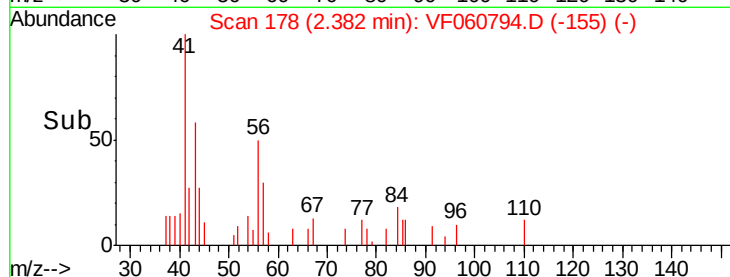
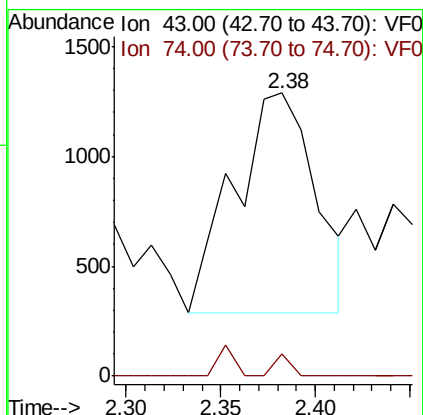
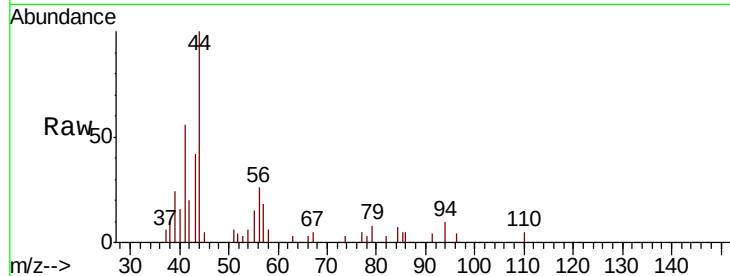




#18
Methyl Acetate
Concen: 3.850 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.03 min
Lab File: VF060794.D
Acq: 19 Nov 2018 23:51

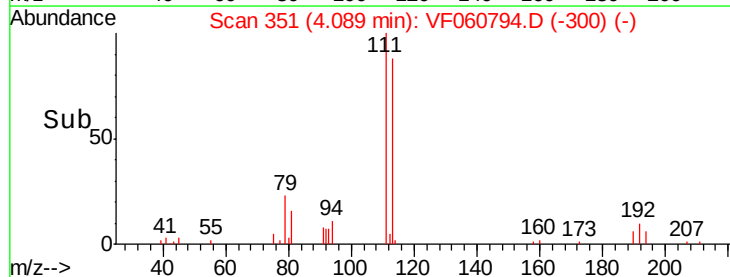
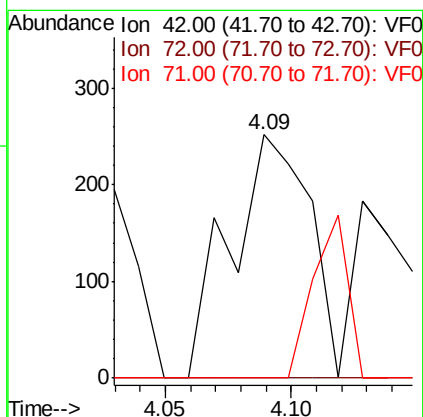
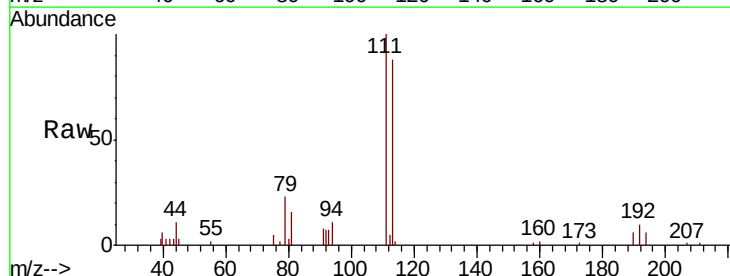
Instrument :
MSVOA_F
ClientSampled :
SSI-08

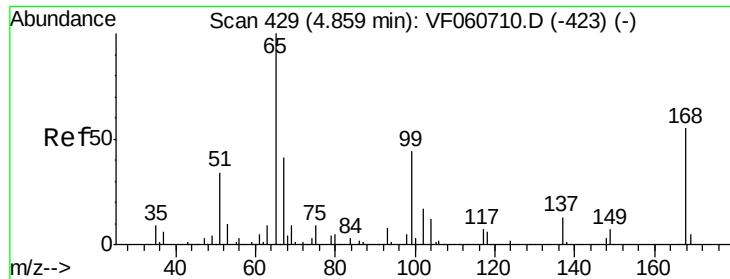
Tot Ion: 43 Resp: 3003
Ion Ratio Lower Upper
43 100
74 7.9 11.8 17.8#



#29
Tetrahydrofuran
Concen: 1.713 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.00 min
Lab File: VF060794.D
Acq: 19 Nov 2018 23:51

Tgt Ion: 42 Resp: 552
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 0.0 32.2 48.2#

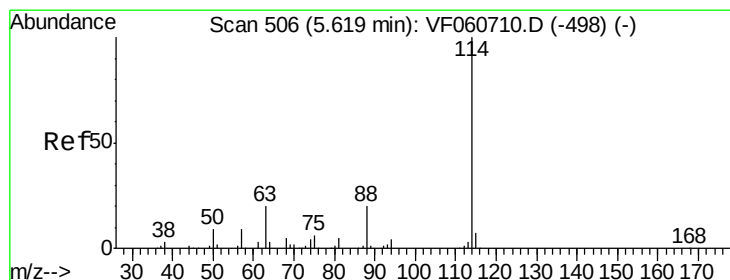
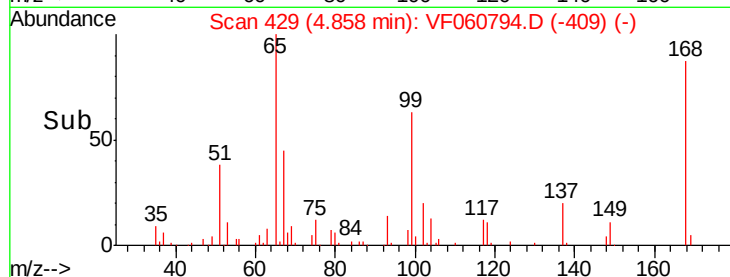
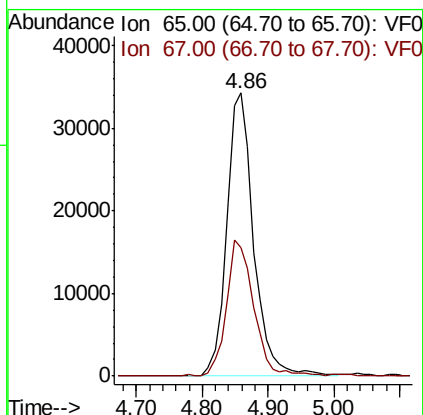
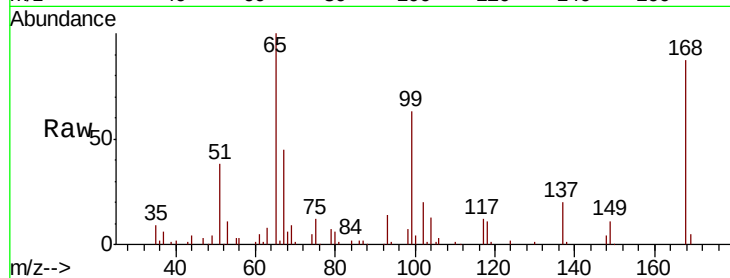




#33
 1,2-Dichloroethane-d4
 Concen: 44.014 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VF060794.D
 Acq: 19 Nov 2018 23:51

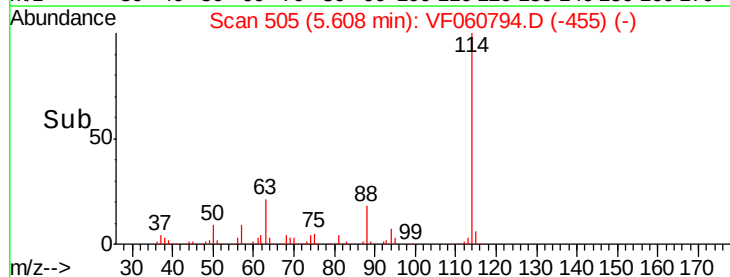
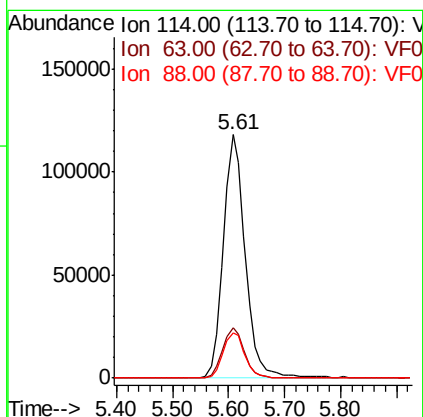
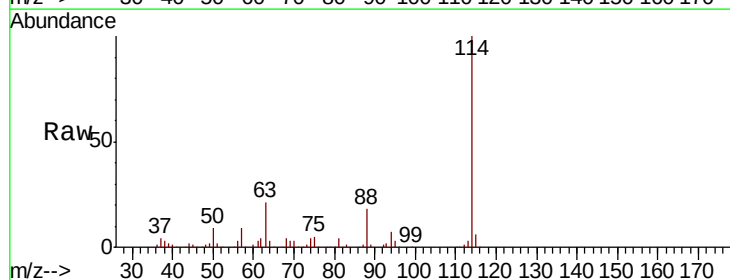
Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-08

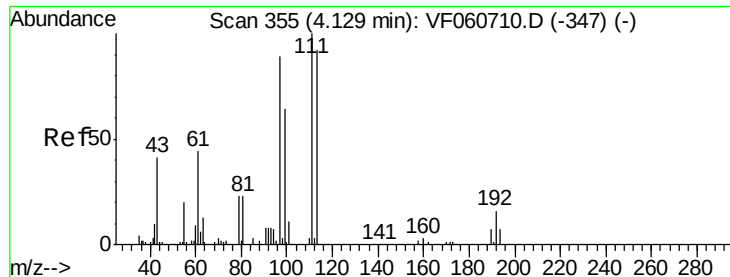
Tot Ion: 65 Resp: 97816
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VF060794.D
 Acq: 19 Nov 2018 23:51

Tgt Ion: 114 Resp: 320863
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 18.3 0.0 39.6





#35

Dibromofluoromethane

Concen: 53.441 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060794.D

Acq: 19 Nov 2018 23:51

Instrument :

MSVOA_F

ClientSampled :

SSI-08

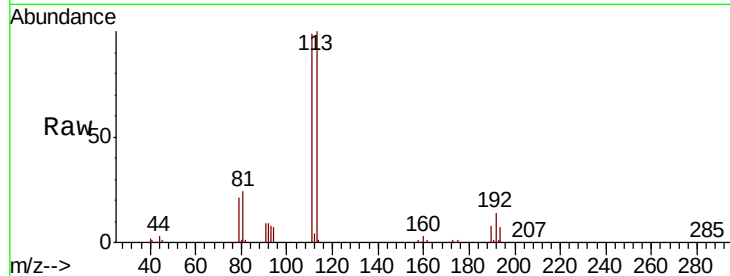
Tot Ion:113 Resp: 128895

Ion Ratio Lower Upper

113 100

111 98.9 87.1 130.7

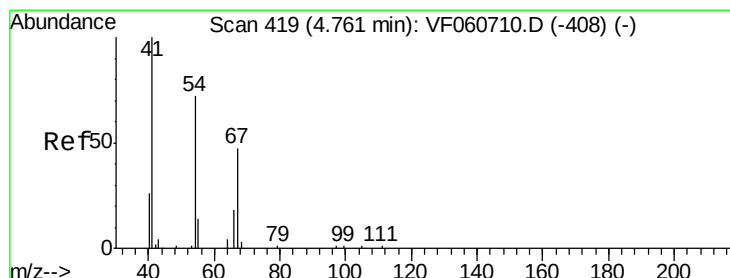
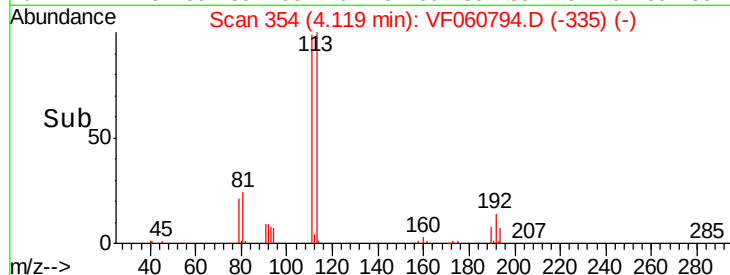
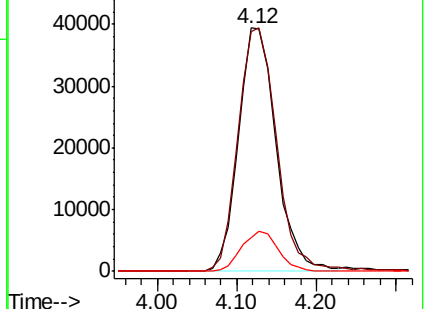
192 13.8 13.8 20.6



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: VF060794.D

Acq: 19 Nov 2018 23:51

Tgt Ion: 41 Resp: 559

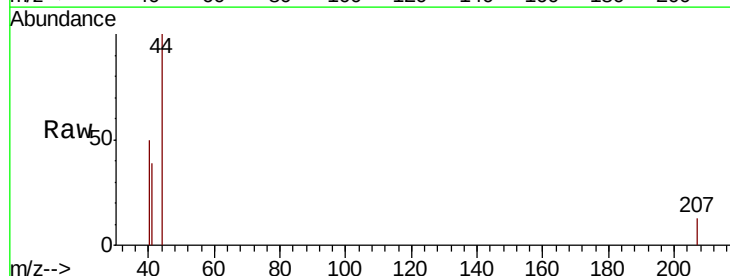
Ion Ratio Lower Upper

41 100

39 0.0 47.1 70.7#

67 0.0 37.1 55.7#

52 0.0 39.3 58.9#

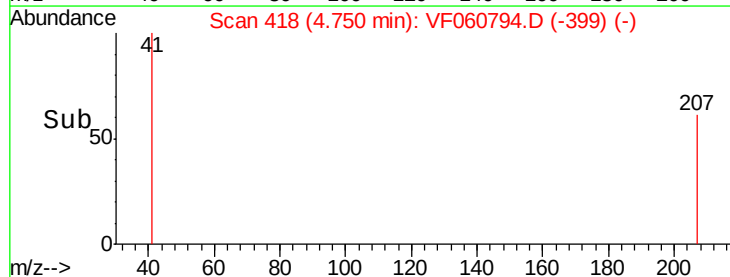
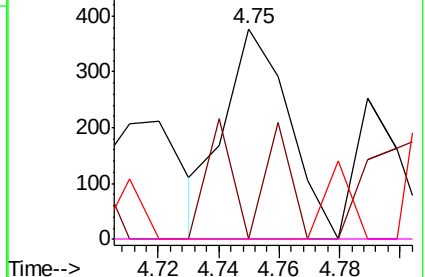


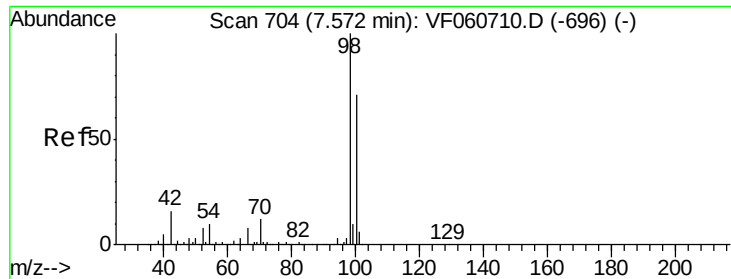
Abundance Ion 41.00 (40.70 to 41.70): VF0

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

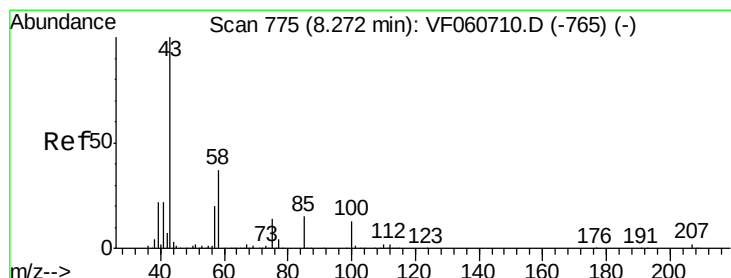
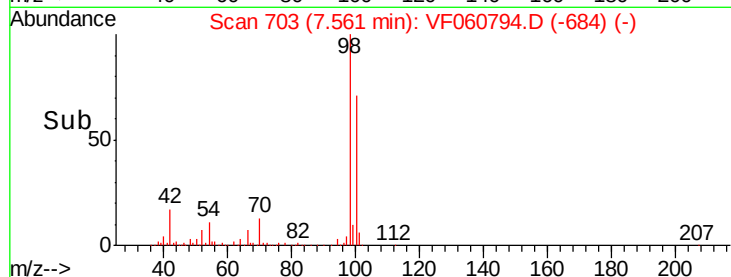
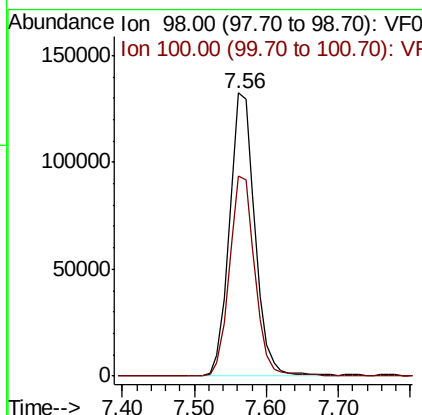
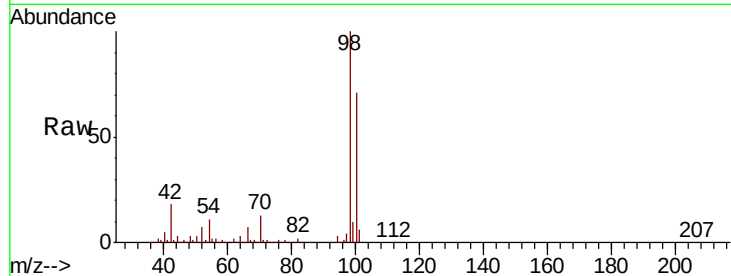




#50
Toluene-d8
Concen: 52.891 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060794.D
Acq: 19 Nov 2018 23:51

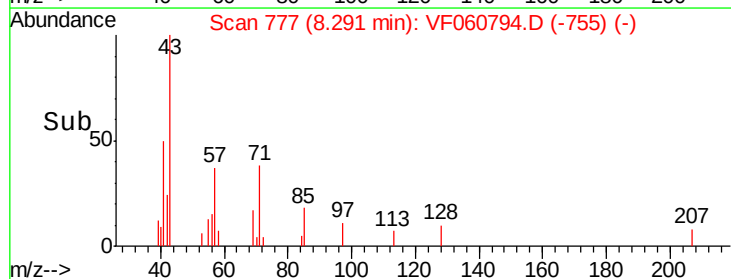
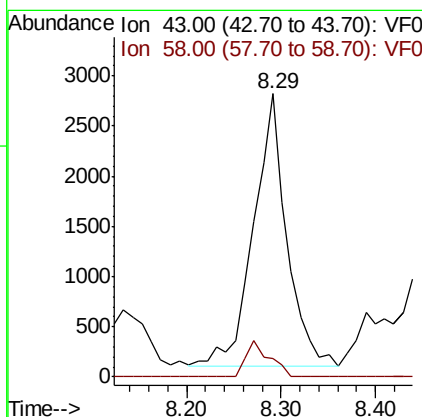
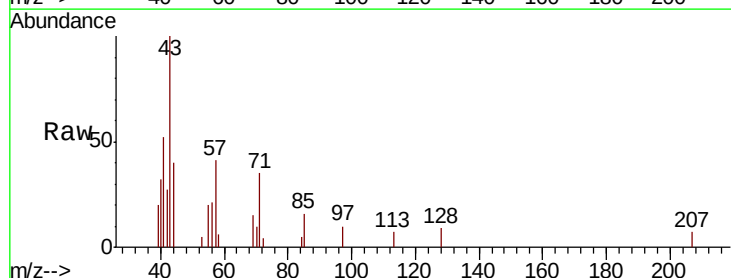
Instrument :
MSVOA_F
ClientSampled :
SSI-08

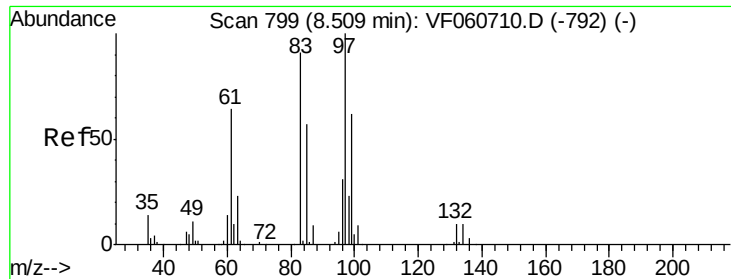
Tot Ion: 98 Resp: 326037
Ion Ratio Lower Upper
98 100
100 70.8 56.5 84.7



#51
4-Methyl-2-Pentanone
Concen: 5.026 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.02 min
Lab File: VF060794.D
Acq: 19 Nov 2018 23:51

Tgt Ion: 43 Resp: 6668
Ion Ratio Lower Upper
43 100
58 6.4 29.2 43.8#





#55

1,1,2-Trichloroethane

Concen: 2.896 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.11 min

Lab File: VF060794.D

Acq: 19 Nov 2018 23:51

Instrument :

MSVOA_F

ClientSampleId :

SSI-08

Tot Ion: 97 Resp: 4599

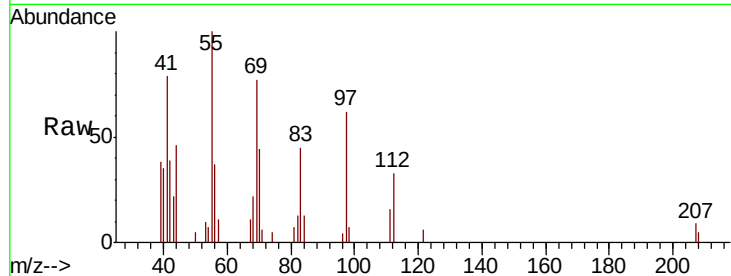
Ion Ratio Lower Upper

97 100

83 72.4 72.8 109.2#

85 0.0 45.8 68.6#

99 0.0 49.4 74.0#

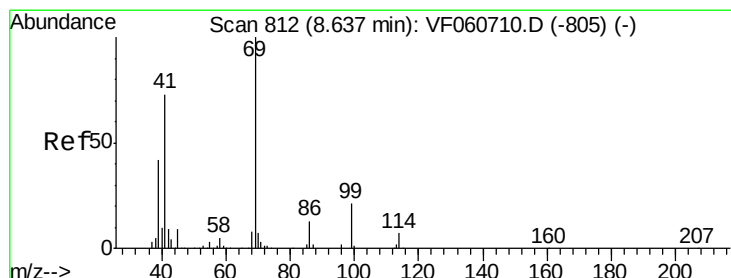
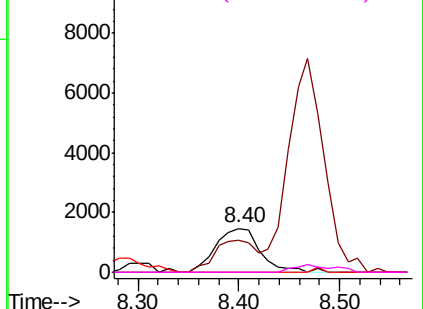
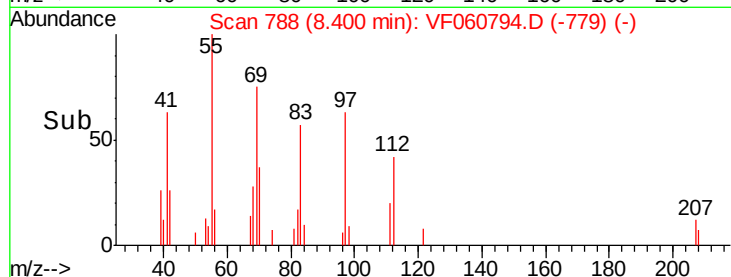


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 9.360 ug/l

RT: 8.64 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF060794.D

Acq: 19 Nov 2018 23:51

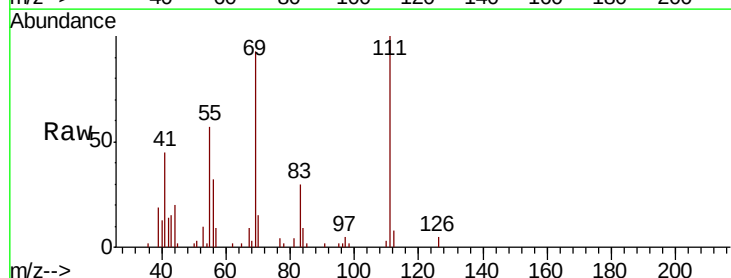
Tgt Ion: 69 Resp: 16883

Ion Ratio Lower Upper

69 100

41 49.1 59.0 88.6#

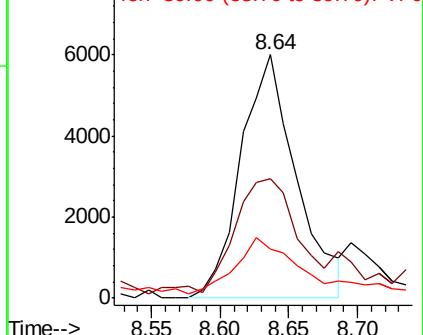
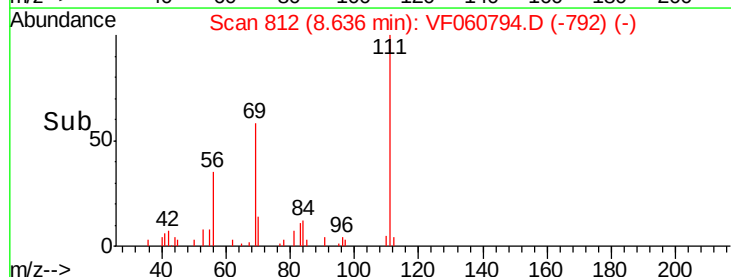
39 20.0 34.0 51.0#

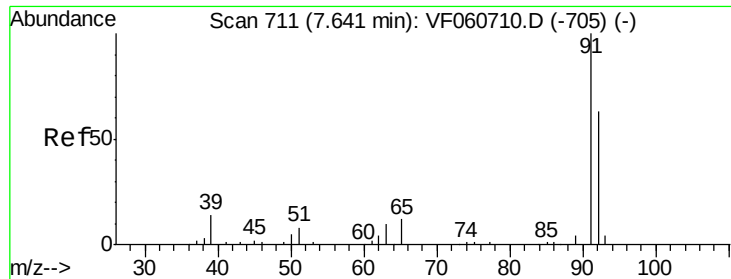


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: 1.359 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060794.D

Acq: 19 Nov 2018 23:51

Instrument :

MSVOA_F

ClientSampled :

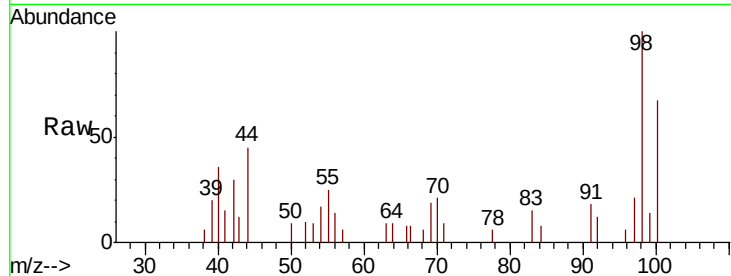
SSI-08

Tot Ion: 63 Resp: 224

Ion Ratio Lower Upper

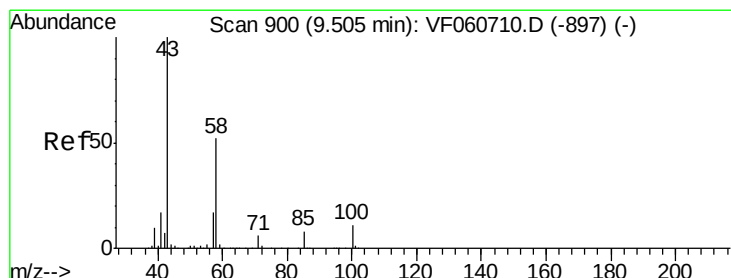
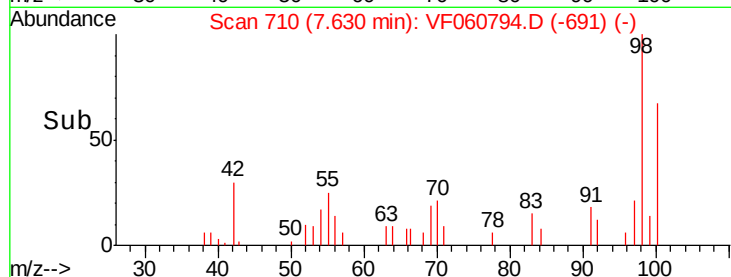
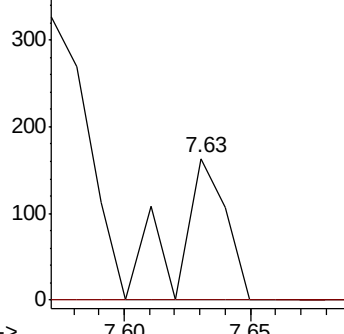
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#59

2-Hexanone

Concen: 1.071 ug/l

RT: 9.44 min Scan# 893

Delta R.T. -0.07 min

Lab File: VF060794.D

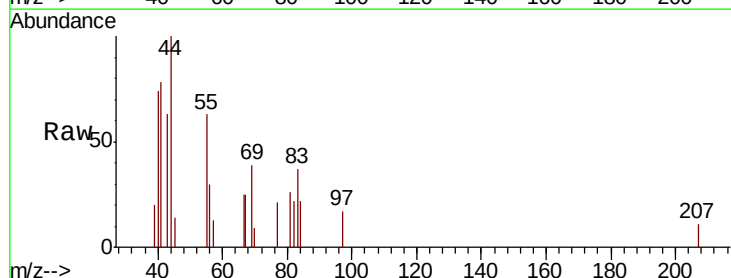
Acq: 19 Nov 2018 23:51

Tgt Ion: 43 Resp: 999

Ion Ratio Lower Upper

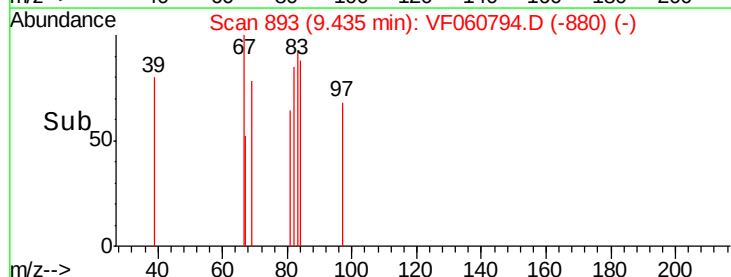
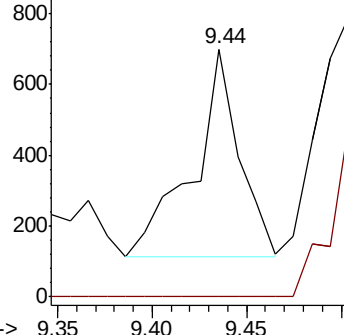
43 100

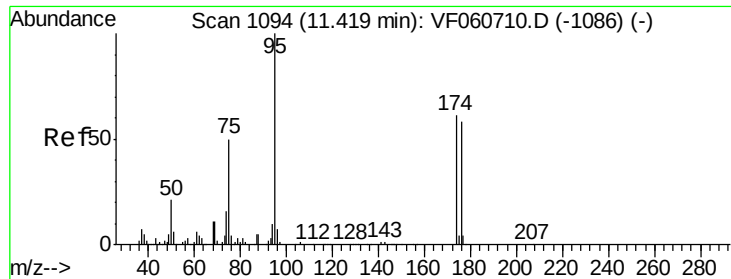
58 0.0 24.9 74.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 49.935 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060794.D

Acq: 19 Nov 2018 23:51

Instrument :

MSVOA_F

ClientSampleId :

SSI-08

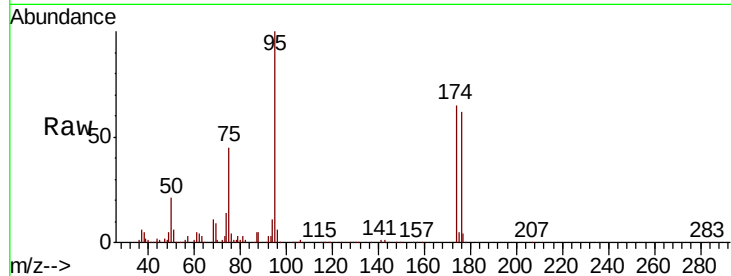
Tot Ion: 95 Resp: 142540

Ion Ratio Lower Upper

95 100

174 64.5 0.0 121.6

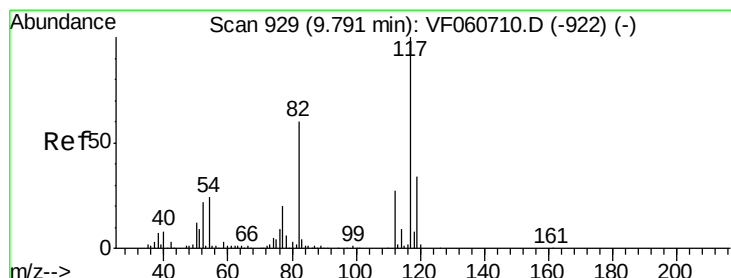
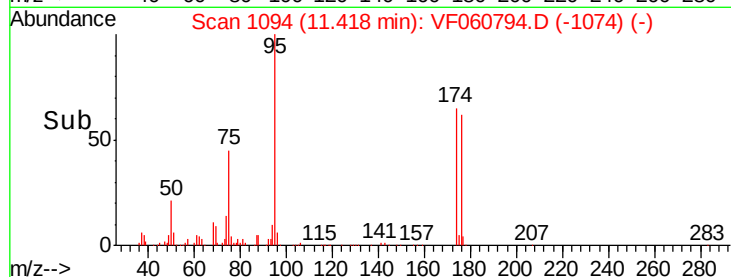
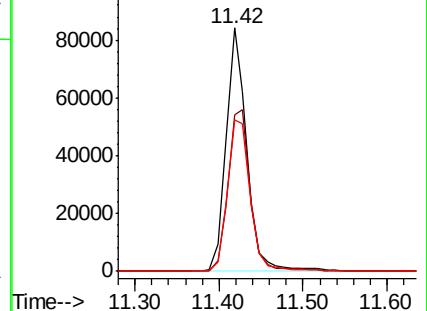
176 62.4 0.0 115.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.00 min

Lab File: VF060794.D

Acq: 19 Nov 2018 23:51

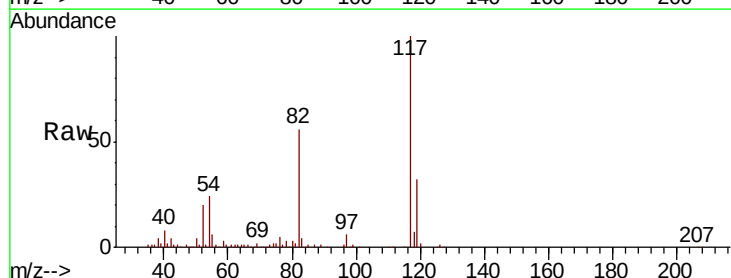
Tgt Ion: 117 Resp: 262336

Ion Ratio Lower Upper

117 100

82 56.1 47.9 71.9

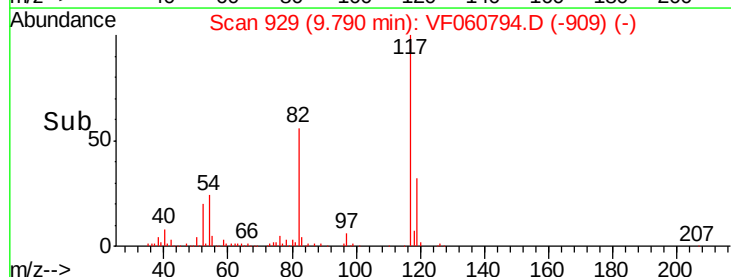
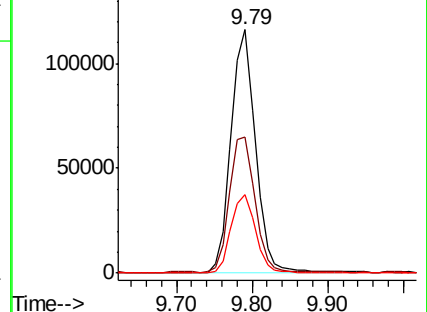
119 32.2 26.8 40.2

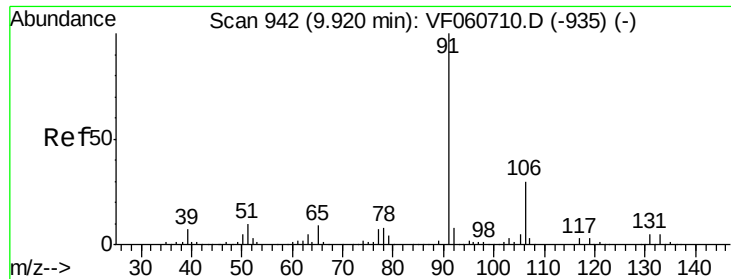


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

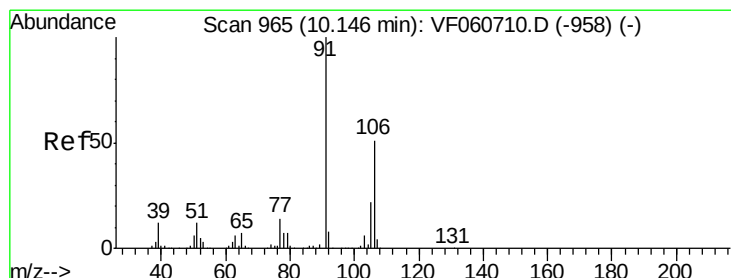
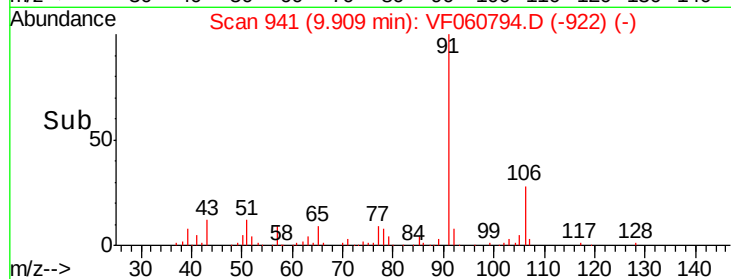
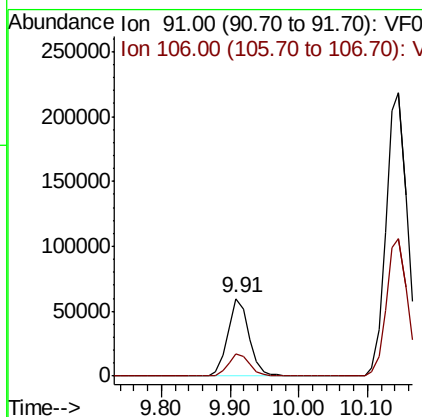
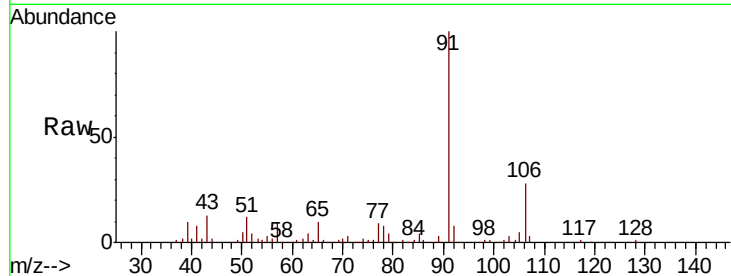




#67
Ethyl Benzene
Concen: 12.977 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060794.D
Acq: 19 Nov 2018 23:51

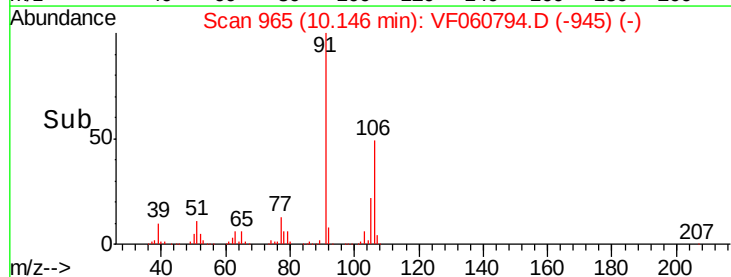
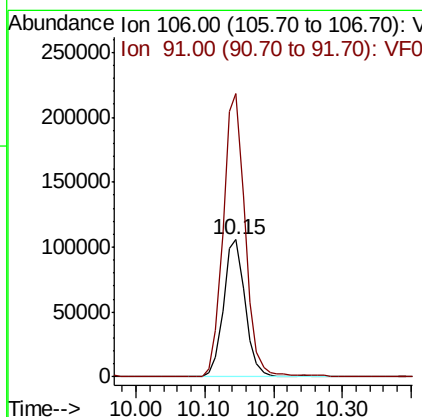
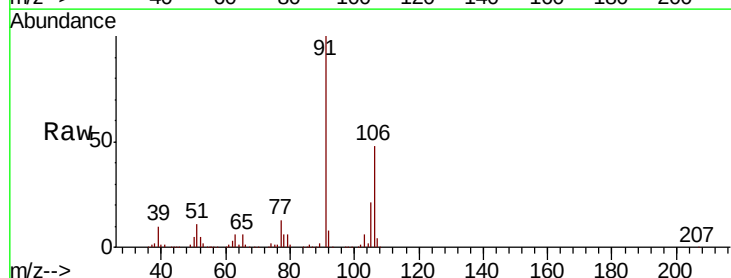
Instrument :
MSVOA_F
ClientSampled :
SSI-08

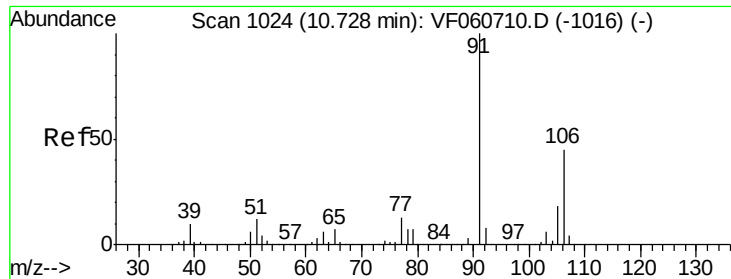
Tot Ion: 91 Resp: 129487
Ion Ratio Lower Upper
91 100
106 28.0 23.9 35.9



#68
m/p-Xylenes
Concen: 64.785 ug/l
RT: 10.15 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF060794.D
Acq: 19 Nov 2018 23:51

Tgt Ion: 106 Resp: 231024
Ion Ratio Lower Upper
106 100
91 206.3 158.2 237.2

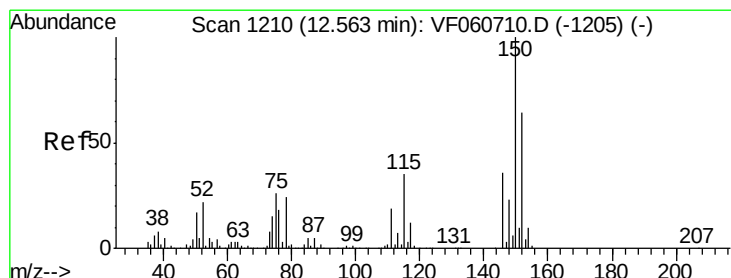
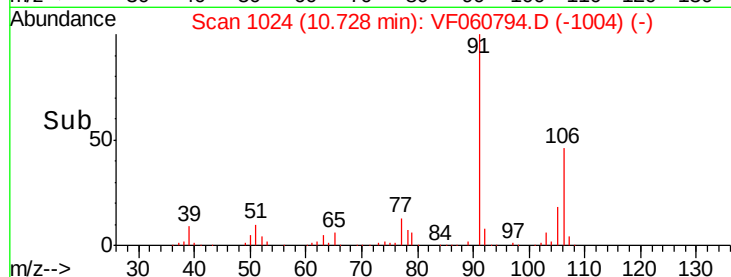
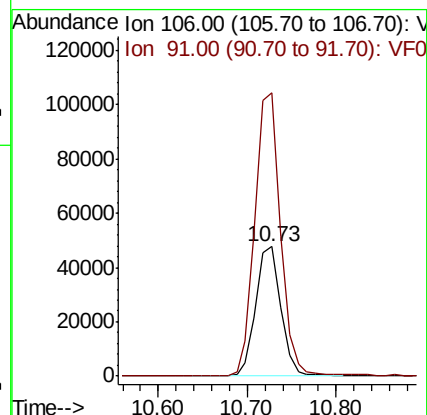
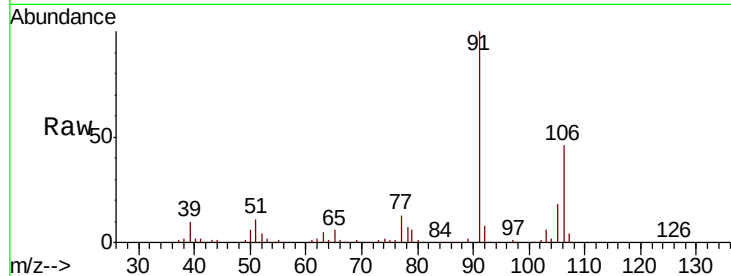




#69
o-Xylene
Concen: 23.194 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VF060794.D
Acq: 19 Nov 2018 23:51

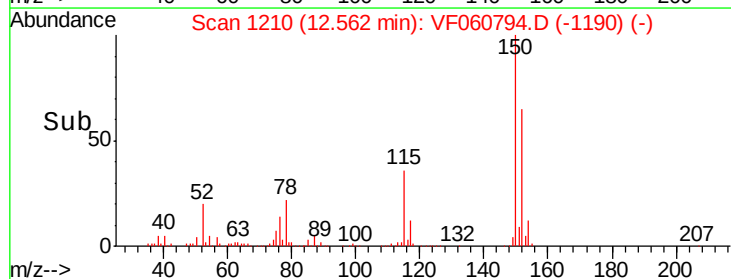
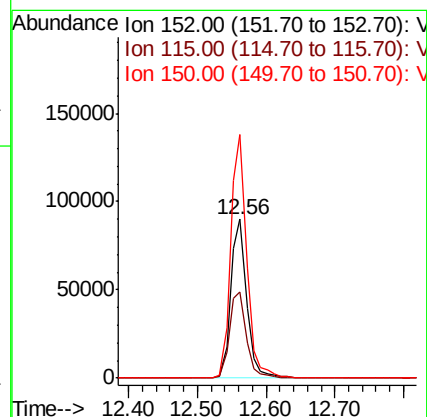
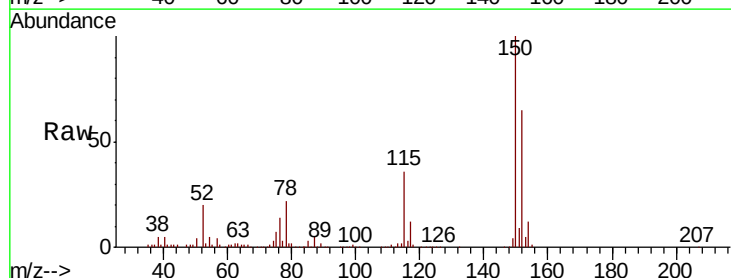
Instrument :
MSVOA_F
ClientSampleId :
SSI-08

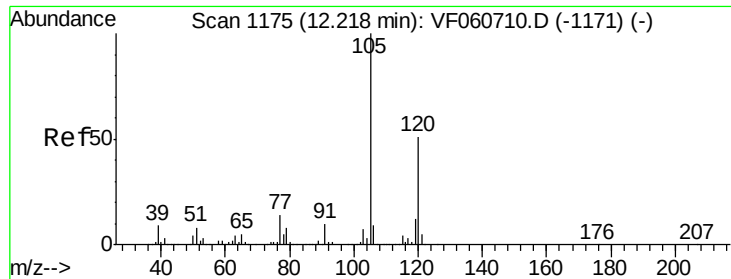
Tot Ion:106 Resp: 92991
Ion Ratio Lower Upper
106 100
91 219.0 110.3 330.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VF060794.D
Acq: 19 Nov 2018 23:51

Tgt Ion:152 Resp: 144063
Ion Ratio Lower Upper
152 100
115 54.5 27.9 83.7
150 153.2 0.0 316.4





#84
 1,2,4-Trimethylbenzene
 Concen: 1.044 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF060794.D
 Acq: 19 Nov 2018 23:51

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-08

Tot Ion:105 Resp: 9937
 Ion Ratio Lower Upper
 105 100
 120 44.1 25.5 76.5

