

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060762.D
 Acq On : 16 Nov 2018 13:28
 Operator : VA/AP
 Sample : VF1116SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBL01

Quant Time: Nov 17 04:21:17 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	216408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	344077	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	306125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	191317	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	112588	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
35) Dibromofluoromethane	4.13	113	130036	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	7.57	98	334794	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.42	95	166026	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	

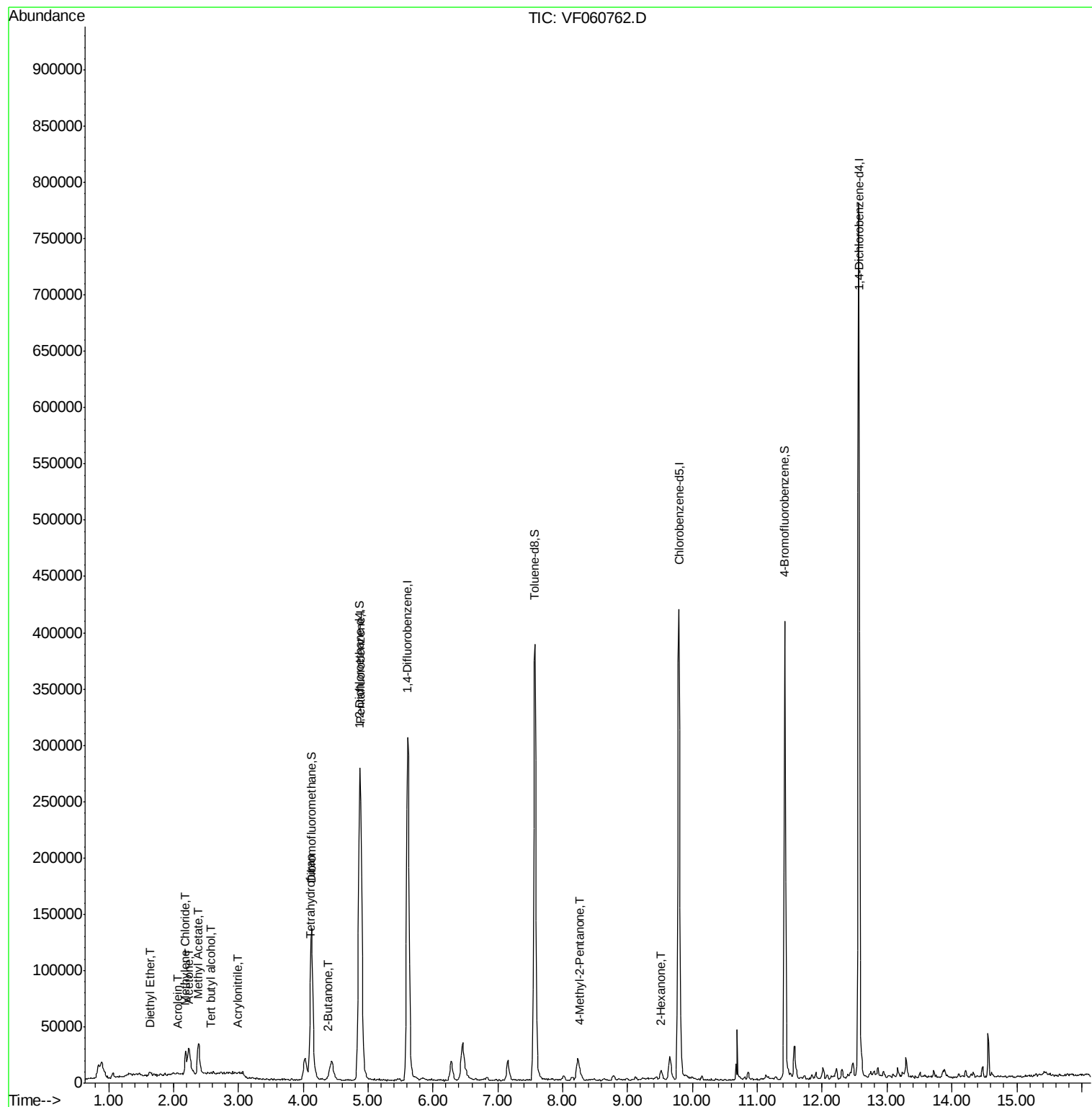
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.63	74	1037	1.703	ug/l	79
11) Tert butyl alcohol	2.57	59	428	3.810	ug/l #	4
13) Acrolein	2.08	56	711	6.922	ug/l	94
15) Acrylonitrile	2.98	53	1097	4.583	ug/l #	67
16) Acetone	2.25	43	6234	11.816	ug/l	96
18) Methyl Acetate	2.39	43	9565	11.041	ug/l #	64
20) Methylene Chloride	2.19	84	7192	1.316	ug/l	98
25) 2-Butanone	4.38	43	907	1.045	ug/l	93
29) Tetrahydrofuran	4.10	42	1071	2.992	ug/l #	62
41) Methacrylonitrile	4.74	41	306	Below Cal	#	37
51) 4-Methyl-2-Pentanone	8.27	43	4538	3.190	ug/l #	83
59) 2-Hexanone	9.52	43	6333	6.334	ug/l	85

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

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Sample : VF1116SBL01
Misc : 5.00µg/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBL01

Quant Time: Nov 17 04:21:17 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: VF060762.D

Acq: 16 Nov 2018 13:28

Instrument :

MSVOA_F

ClientSampleId :

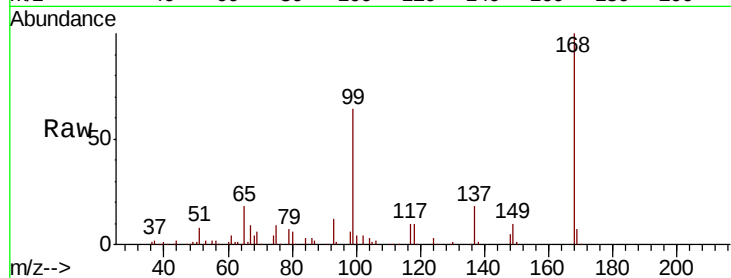
VF1116SBL01

Tot Ion:168 Resp: 216408

Ion Ratio Lower Upper

168 100

99 63.9 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00

Abundance

Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

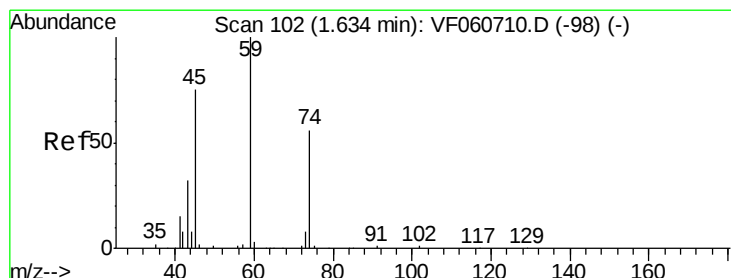
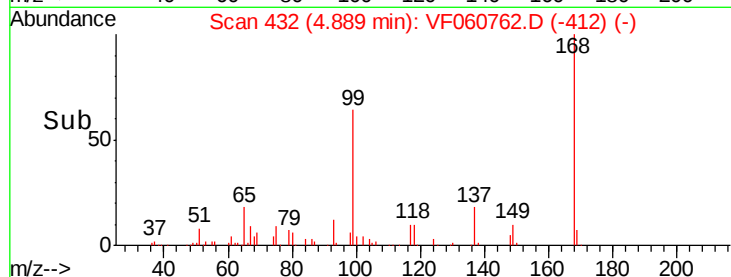
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#8

Diethyl Ether

Concen: 1.703 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060762.D

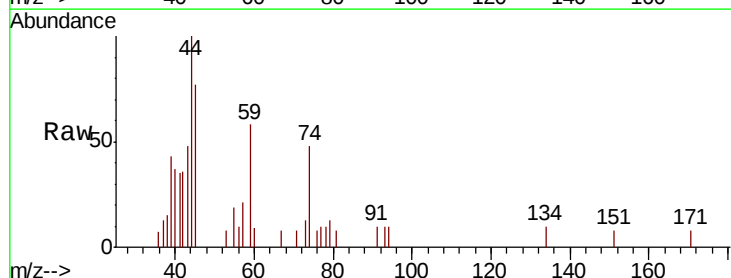
Acq: 16 Nov 2018 13:28

Tgt Ion: 74 Resp: 1037

Ion Ratio Lower Upper

74 100

45 160.2 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1200

1000

800

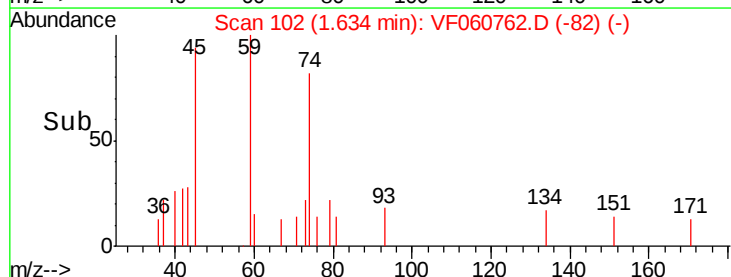
600

400

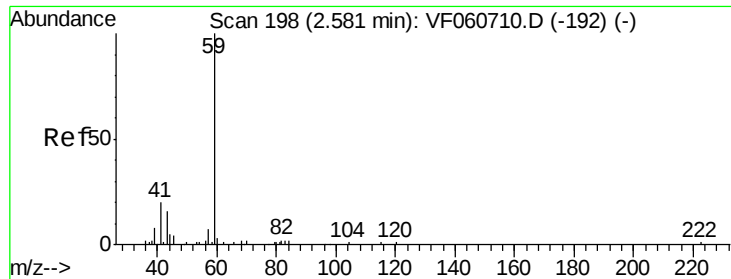
200

0

Time--> 1.60 1.65 1.70



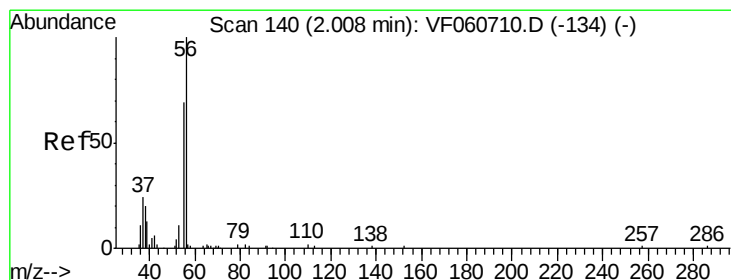
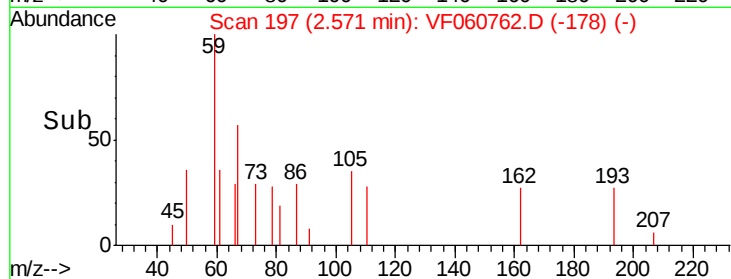
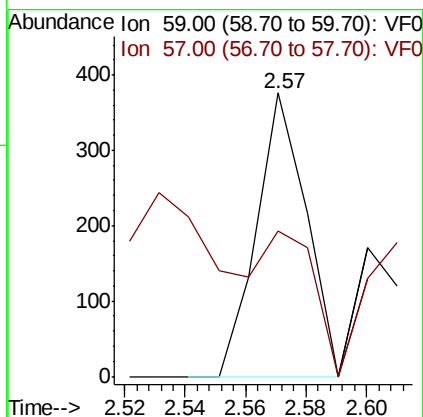
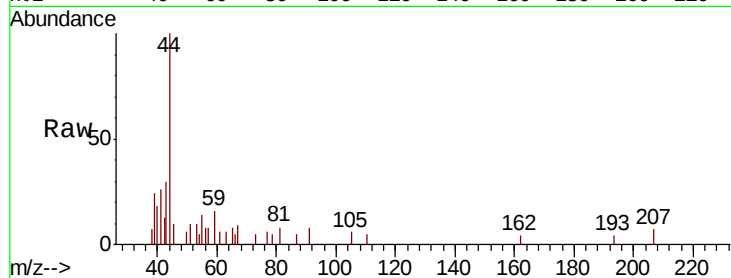
Time--> 1.60 1.65 1.70



#11
Tert butyl alcohol
Concen: 3.810 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060762.D
Acq: 16 Nov 2018 13:28

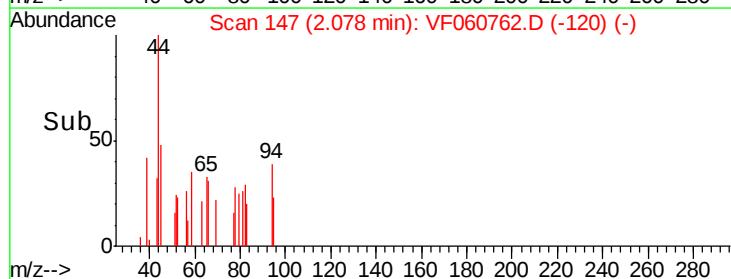
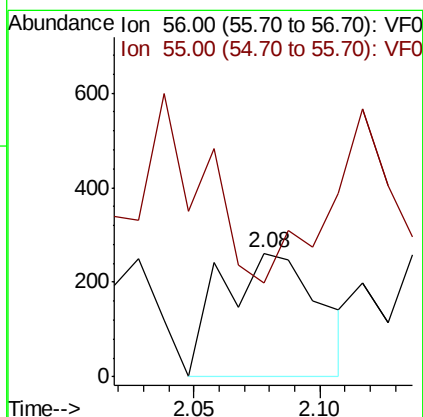
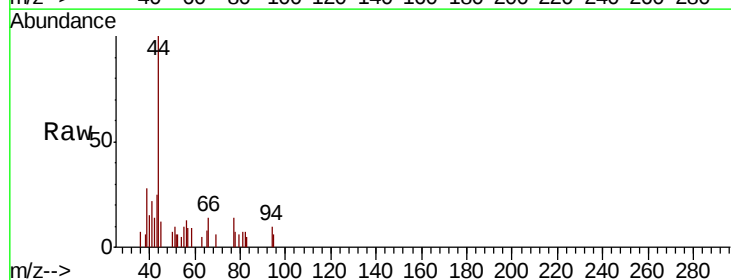
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBL01

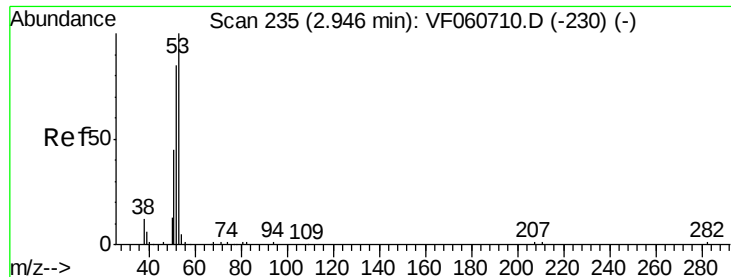
Tot Ion: 59 Resp: 428
Ion Ratio Lower Upper
59 100
57 51.3 10.5 15.7#



#13
Acrolein
Concen: 6.922 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.07 min
Lab File: VF060762.D
Acq: 16 Nov 2018 13:28

Tgt Ion: 56 Resp: 711
Ion Ratio Lower Upper
56 100
55 75.9 56.6 85.0





#15

Acrylonitrile

Concen: 4.583 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.03 min

Lab File: VF060762.D

Acq: 16 Nov 2018 13:28

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBL01

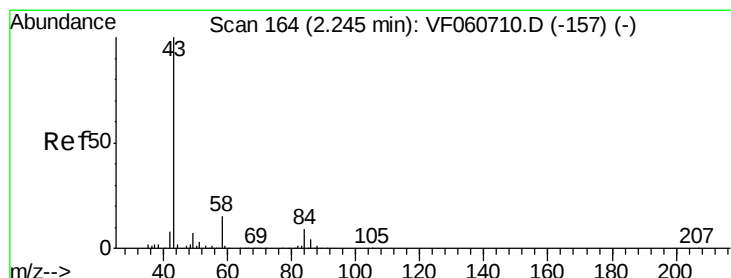
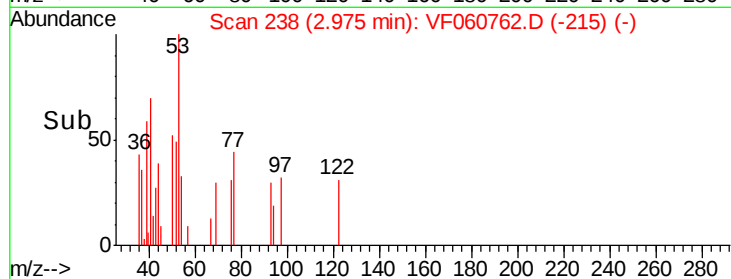
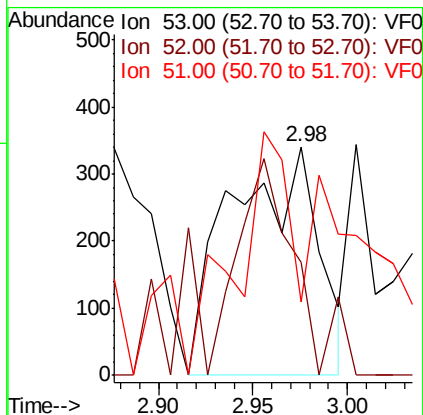
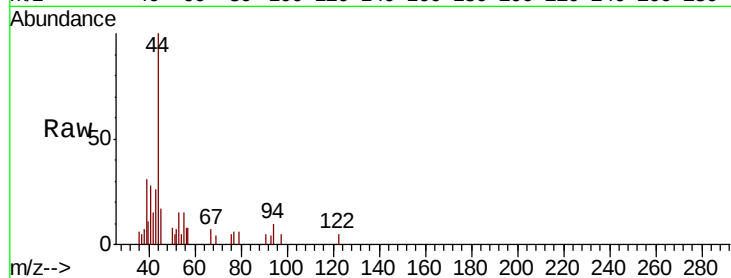
Tot Ion: 53 Resp: 1097

Ion Ratio Lower Upper

53 100

52 49.3 68.8 103.2#

51 32.3 36.7 55.1#



#16

Acetone

Concen: 11.816 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.00 min

Lab File: VF060762.D

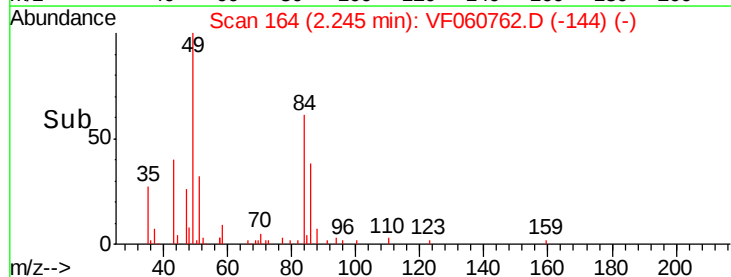
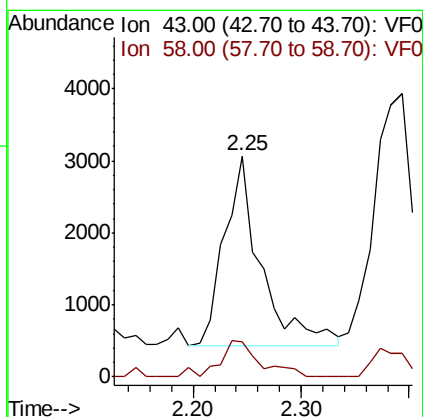
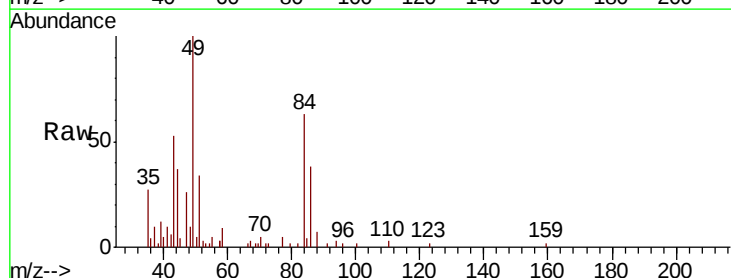
Acq: 16 Nov 2018 13:28

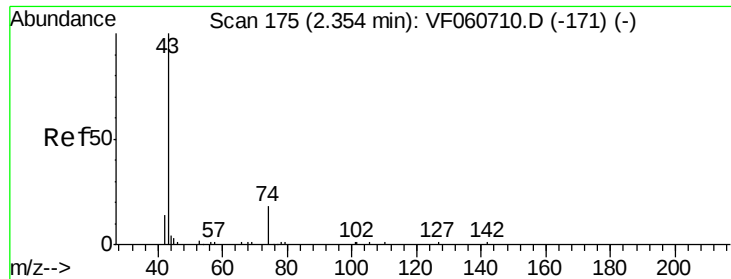
Tgt Ion: 43 Resp: 6234

Ion Ratio Lower Upper

43 100

58 16.1 11.6 17.4

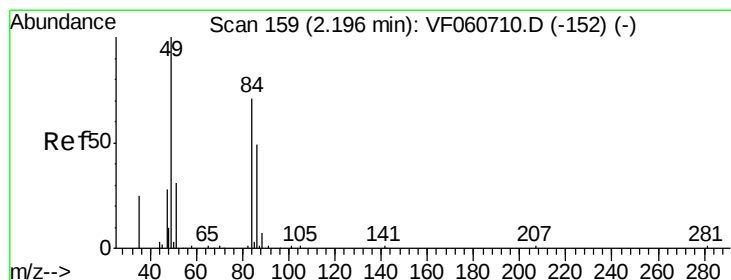
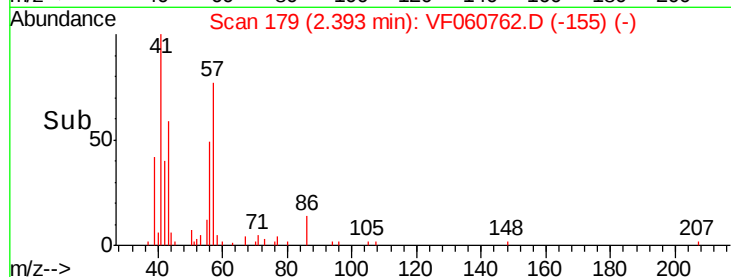
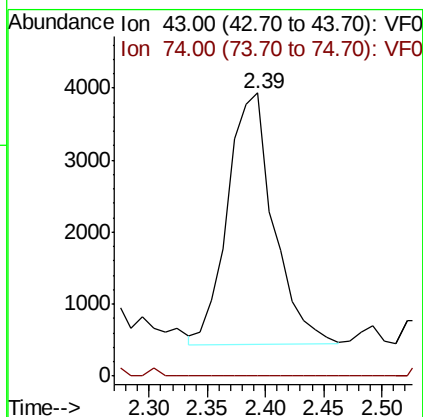
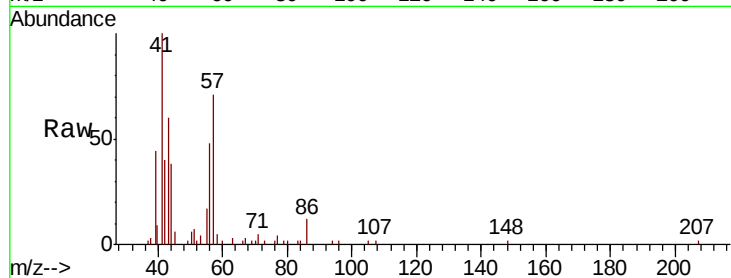




#18
Methyl Acetate
Concen: 11.041 ug/l
RT: 2.39 min Scan# 179
Delta R.T. 0.04 min
Lab File: VF060762.D
Acq: 16 Nov 2018 13:28

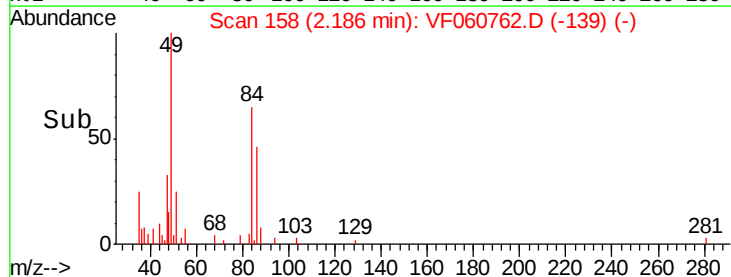
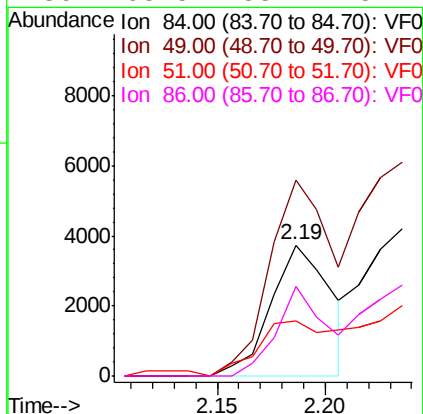
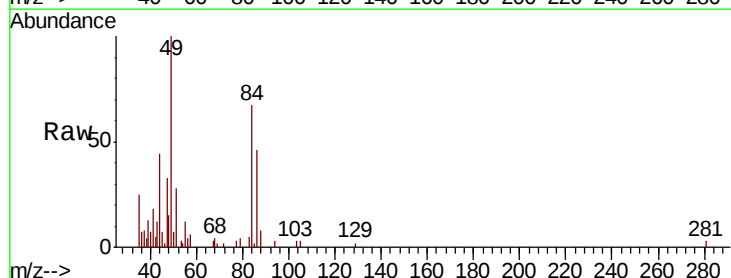
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBL01

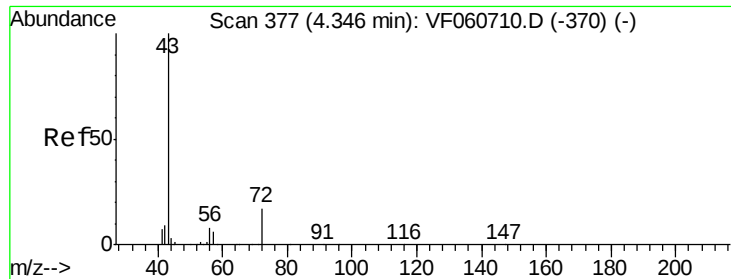
Tot Ion: 43 Resp: 9565
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#



#20
Methylene Chloride
Concen: 1.316 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060762.D
Acq: 16 Nov 2018 13:28

Tgt Ion: 84 Resp: 7192
Ion Ratio Lower Upper
84 100
49 149.6 120.2 180.4
51 42.1 37.2 55.8
86 68.5 55.1 82.7





#25

2-Butanone

Concen: 1.045 ug/l

RT: 4.38 min Scan# 380

Delta R.T. 0.03 min

Lab File: VF060762.D

Acq: 16 Nov 2018 13:28

Instrument :

MSVOA_F

ClientSampleId :

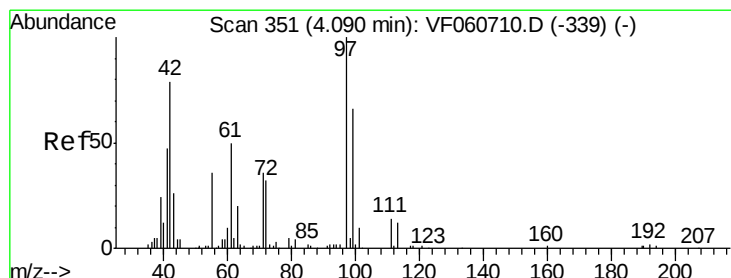
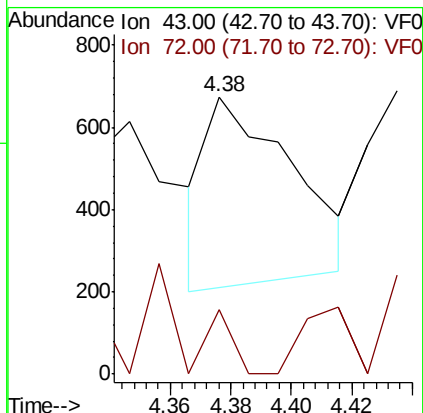
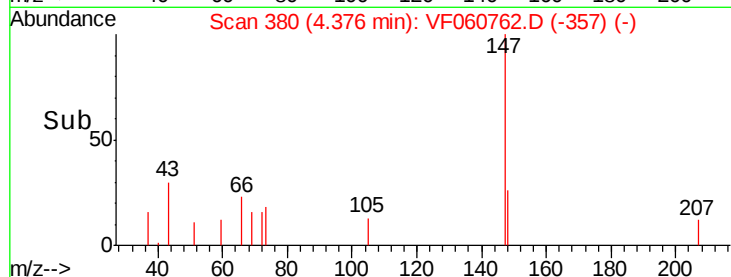
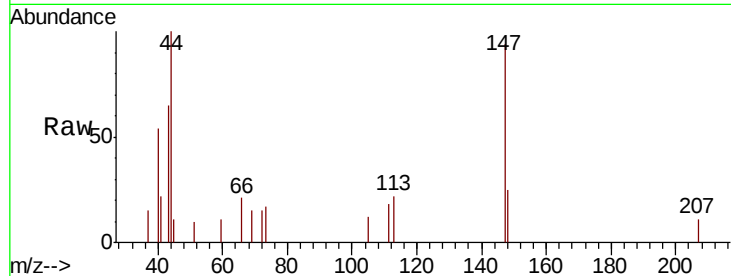
VF1116SBL01

Tot Ion: 43 Resp: 907

Ion Ratio Lower Upper

43 100

72 23.4 16.1 24.1



#29

Tetrahydrofuran

Concen: 2.992 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.01 min

Lab File: VF060762.D

Acq: 16 Nov 2018 13:28

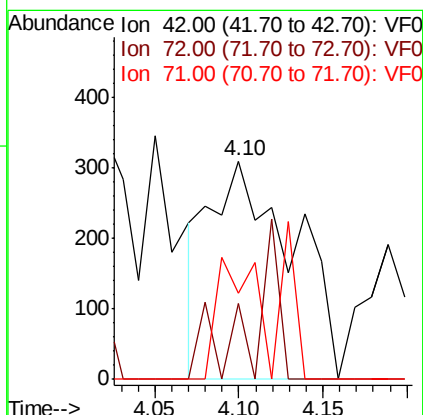
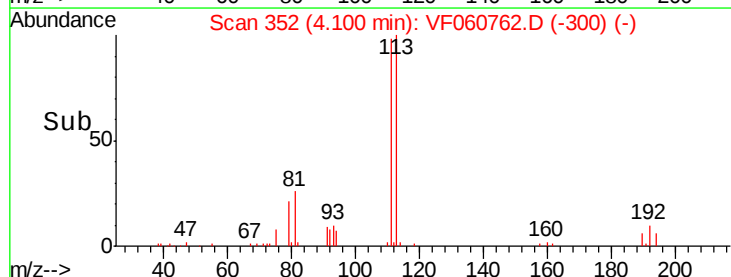
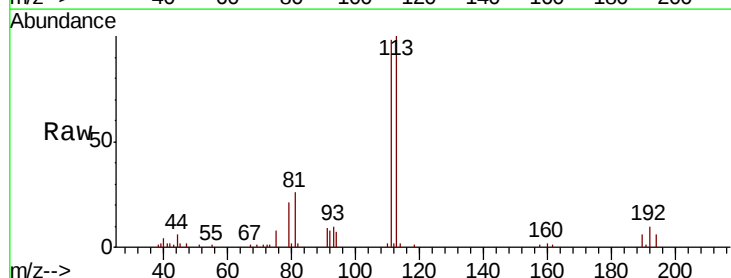
Tgt Ion: 42 Resp: 1071

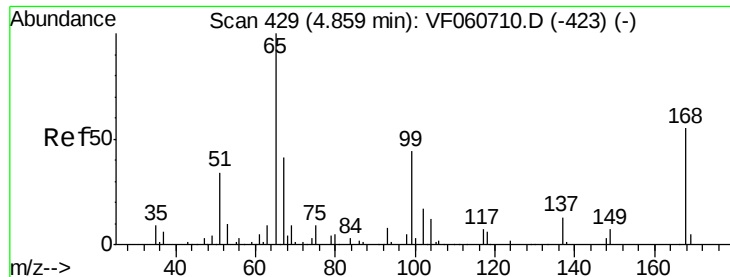
Ion Ratio Lower Upper

42 100

72 6.0 30.3 45.5#

71 25.4 32.2 48.2#





#33

1,2-Dichloroethane-d4

Concen: 45.612 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF060762.D

Acq: 16 Nov 2018 13:28

Instrument :

MSVOA_F

ClientSampleId :

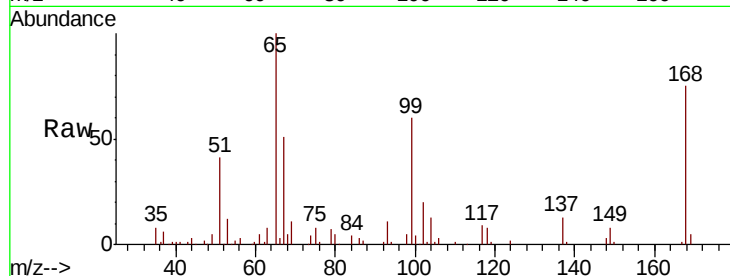
VF1116SBL01

Tot Ion: 65 Resp: 112588

Ion Ratio Lower Upper

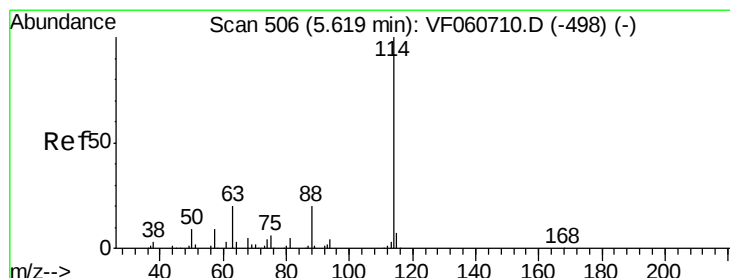
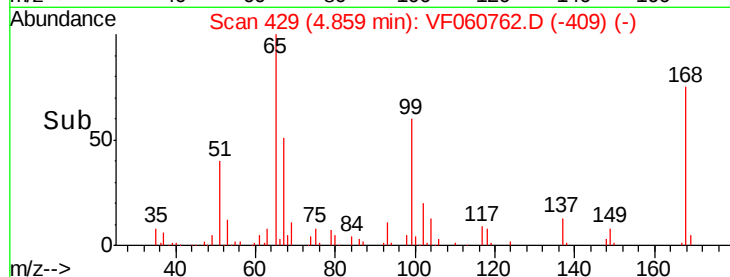
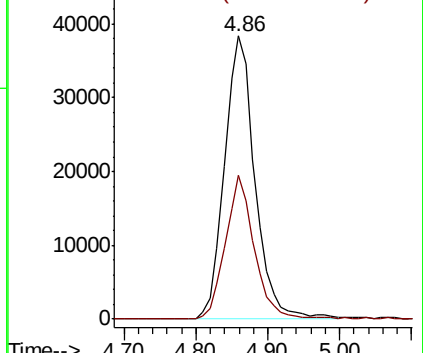
65 100

67 50.8 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060762.D

Acq: 16 Nov 2018 13:28

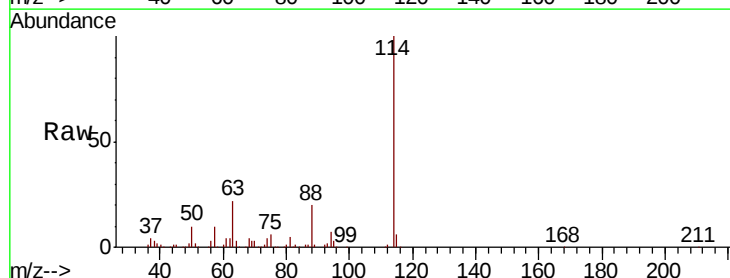
Tgt Ion: 114 Resp: 344077

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.8

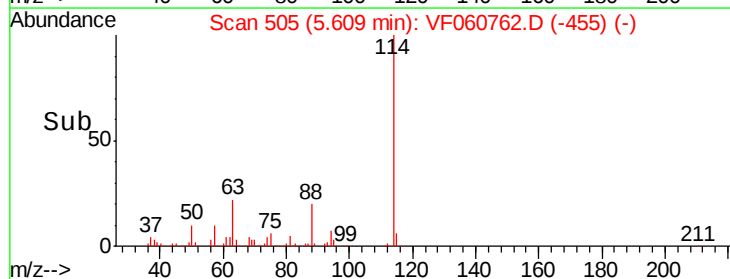
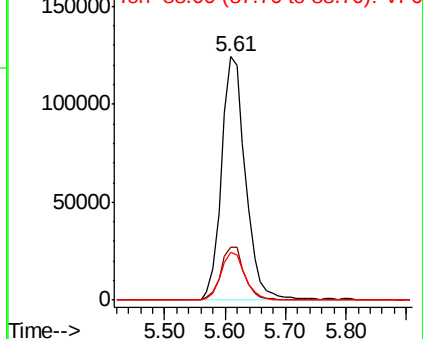
88 19.9 0.0 39.6

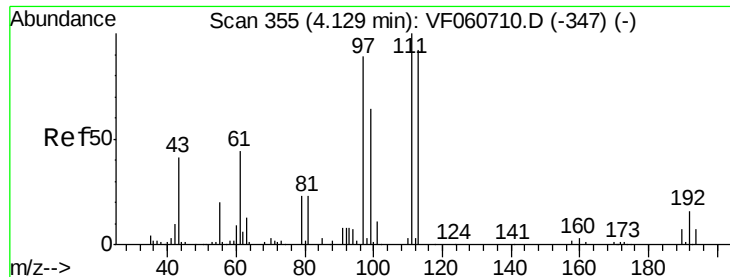


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

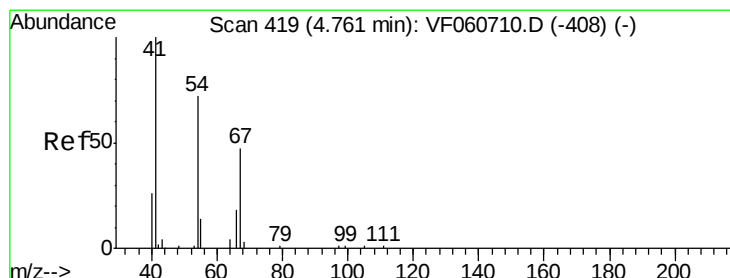
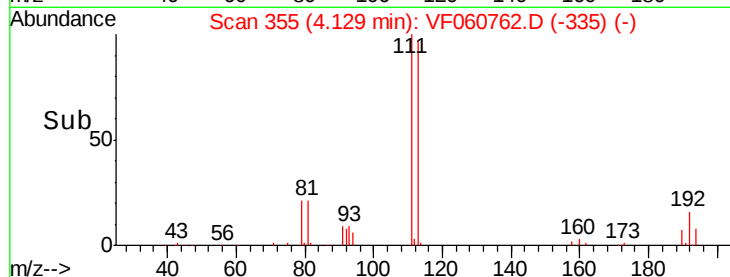
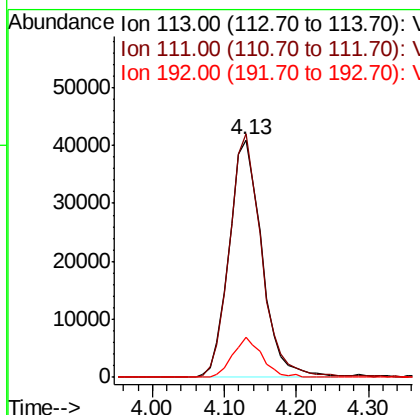
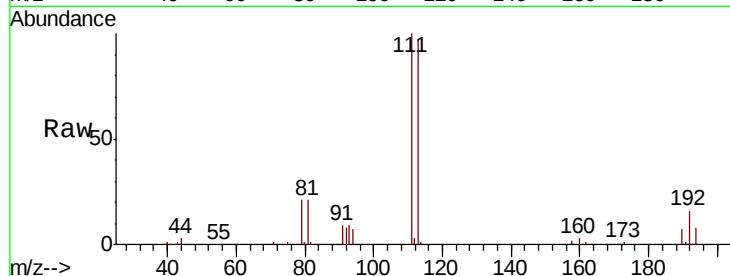




#35
 Dibromofluoromethane
 Concen: 50.277 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VF060762.D
 Acq: 16 Nov 2018 13:28

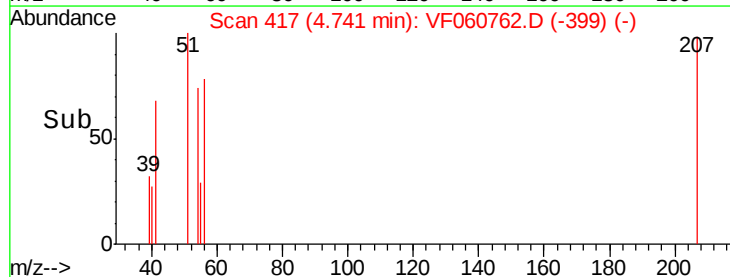
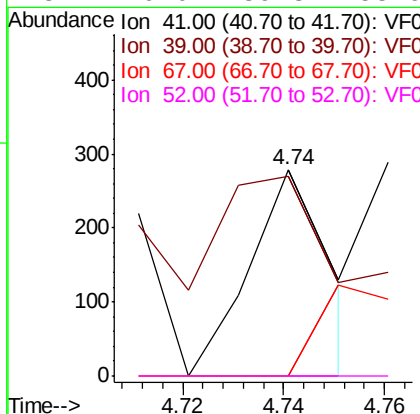
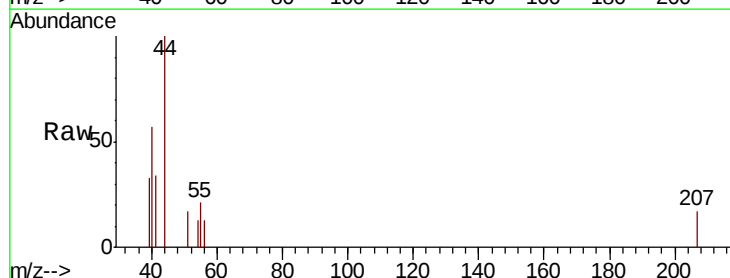
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBL01

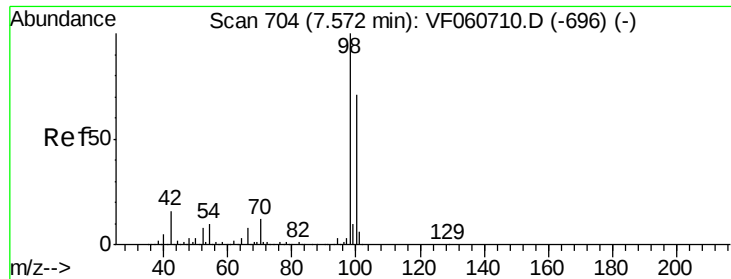
Tot Ion:113 Resp: 130036
 Ion Ratio Lower Upper
 113 100
 111 102.6 87.1 130.7
 192 16.7 13.8 20.6



#41
 Methacrylonitrile
 Concen: Below Cal
 RT: 4.74 min Scan# 417
 Delta R.T. -0.02 min
 Lab File: VF060762.D
 Acq: 16 Nov 2018 13:28

Tgt Ion: 41 Resp: 306
 Ion Ratio Lower Upper
 41 100
 39 96.8 47.1 70.7#
 67 0.0 37.1 55.7#
 52 0.0 39.3 58.9#

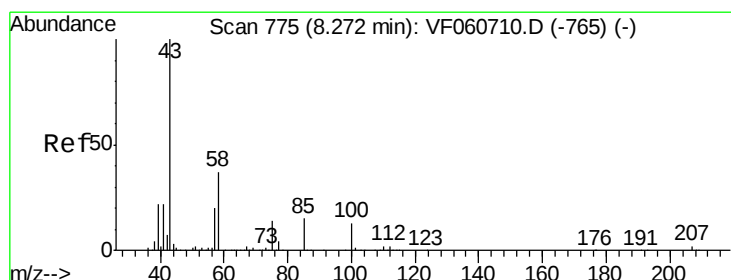
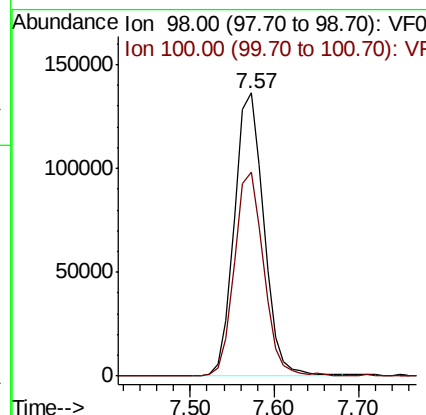
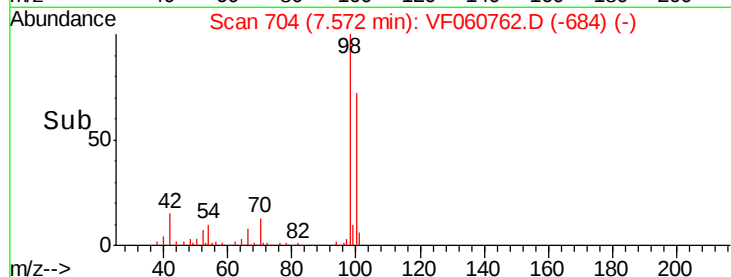
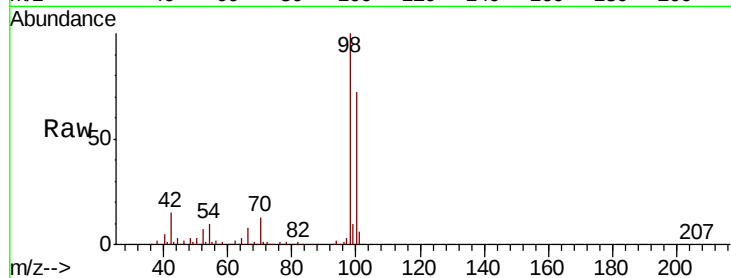




#50
Toluene-d8
Concen: 50.479 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF060762.D
Acq: 16 Nov 2018 13:28

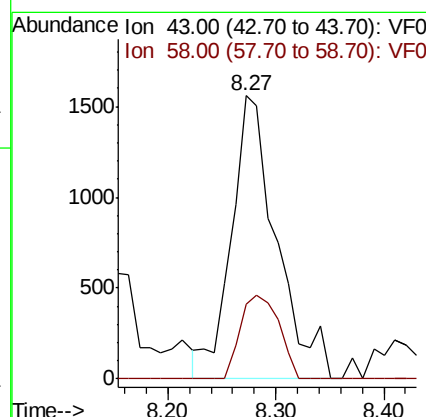
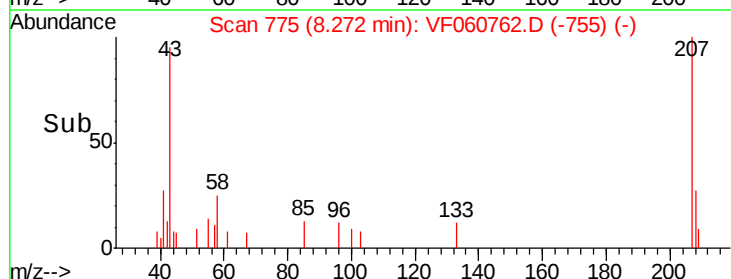
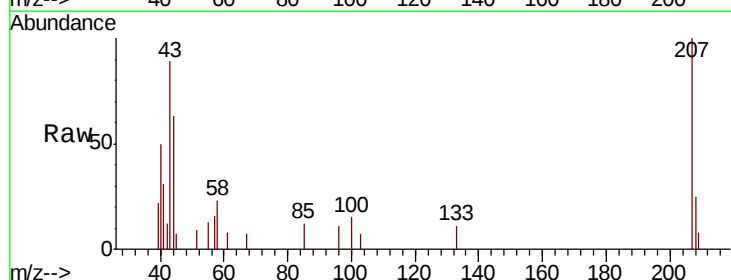
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBL01

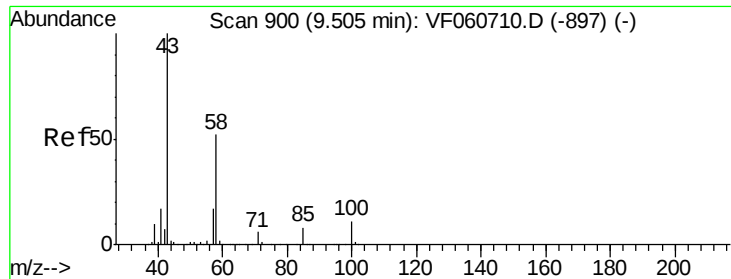
Tot Ion: 98 Resp: 334794
Ion Ratio Lower Upper
98 100
100 72.2 56.5 84.7



#51
4-Methyl-2-Pentanone
Concen: 3.190 ug/l
RT: 8.27 min Scan# 775
Delta R.T. 0.00 min
Lab File: VF060762.D
Acq: 16 Nov 2018 13:28

Tgt Ion: 43 Resp: 4538
Ion Ratio Lower Upper
43 100
58 26.2 29.2 43.8#

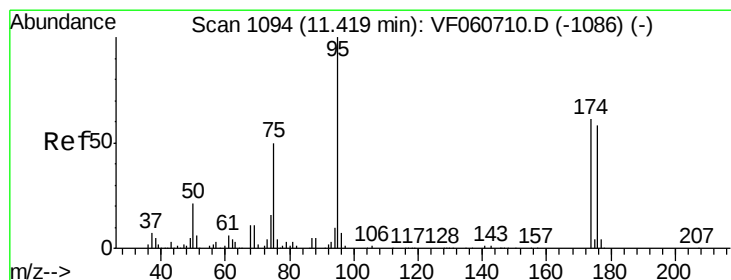
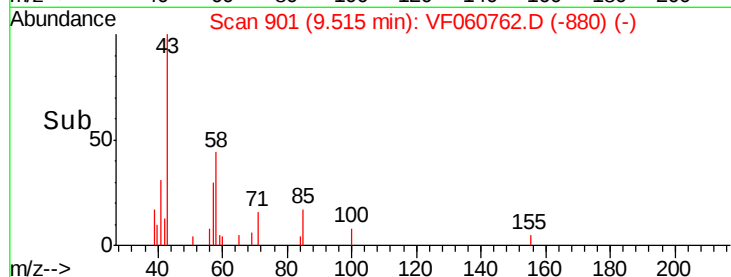
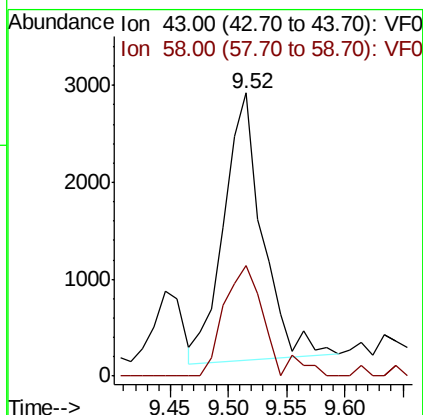
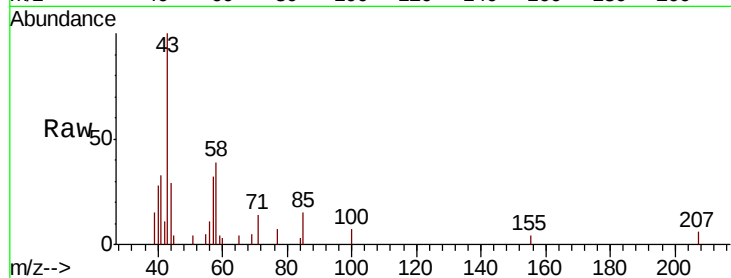




#59
2-Hexanone
Concen: 6.334 ug/l
RT: 9.52 min Scan# 901
Delta R.T. 0.01 min
Lab File: VF060762.D
Acq: 16 Nov 2018 13:28

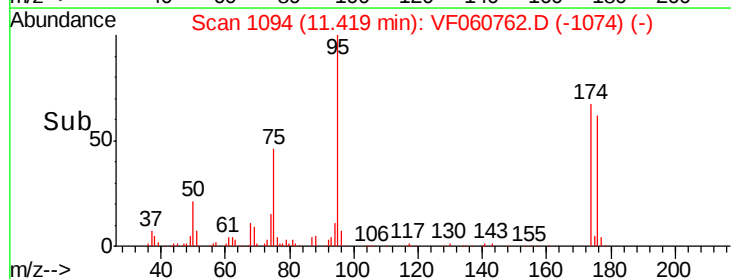
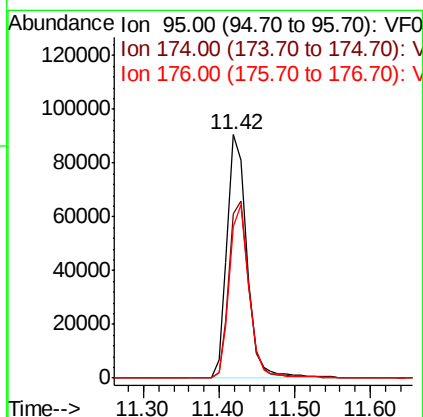
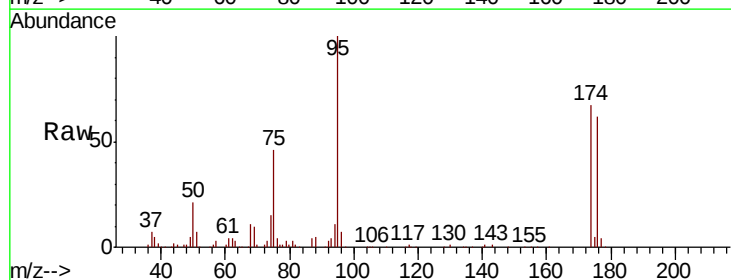
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBL01

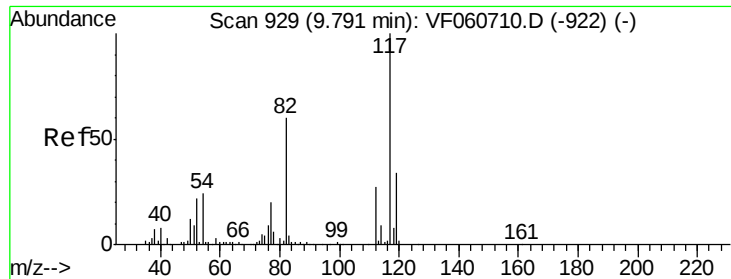
Tot Ion: 43 Resp: 6333
Ion Ratio Lower Upper
43 100
58 39.3 24.9 74.7



#62
4-Bromofluorobenzene
Concen: 54.618 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF060762.D
Acq: 16 Nov 2018 13:28

Tgt Ion: 95 Resp: 166026
Ion Ratio Lower Upper
95 100
174 67.3 0.0 121.6
176 62.0 0.0 115.2

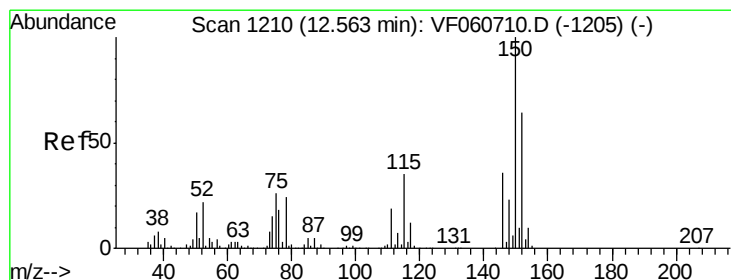
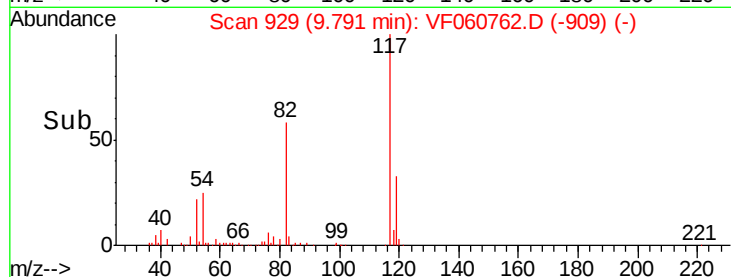
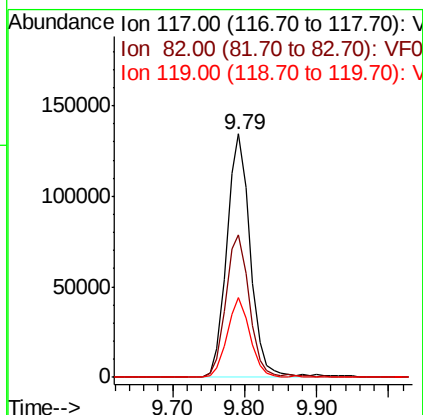
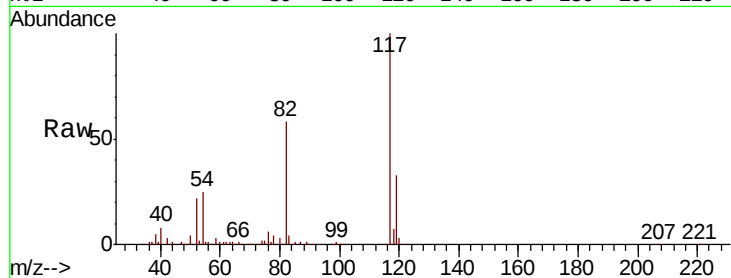




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF060762.D
Acq: 16 Nov 2018 13:28

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.9	71.9
119	32.9	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: VF060762.D
Acq: 16 Nov 2018 13:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	27.9	83.7
150	153.6	0.0	316.4

