

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112018\
 Data File : VF060812.D
 Acq On : 20 Nov 2018 19:39
 Operator : VA/AP
 Sample : J5952-05RE
 Misc : 4.29g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 21 02:50:27 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	206544	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	333394	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	268347	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	111407	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	96185	40.83	ug/l	-0.01
Spiked Amount			Recovery	=	81.66%	
35) Dibromofluoromethane	4.12	113	119947	47.86	ug/l	-0.01
Spiked Amount			Recovery	=	95.72%	
50) Toluene-d8	7.56	98	307238	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.42	95	124110	41.13	ug/l	0.00
Spiked Amount			Recovery	=	82.26%	

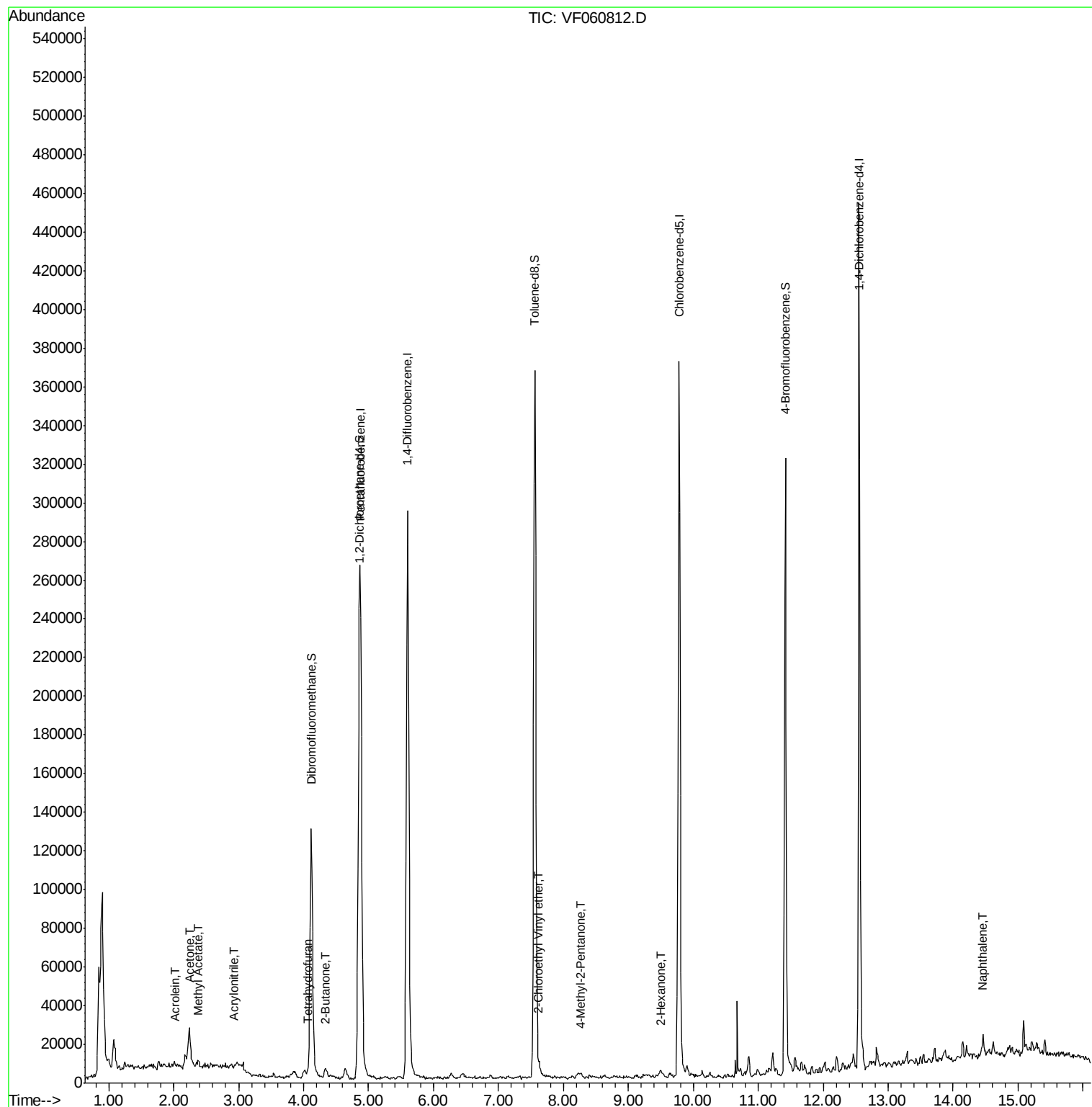
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.04	56	192	1.958	ug/l	87
15) Acrylonitrile	2.93	53	353	1.545	ug/l #	31
16) Acetone	2.24	43	28526	56.650	ug/l	93
18) Methyl Acetate	2.38	43	1004	1.214	ug/l #	64
20) Methylene Chloride	2.18	84	2272	Below Cal	#	91
25) 2-Butanone	4.34	43	11540	13.933	ug/l #	84
29) Tetrahydrofuran	4.06	42	396	1.159	ug/l #	36
41) Methacrylonitrile	4.73	41	660	Below Cal	#	46
51) 4-Methyl-2-Pentanone	8.26	43	3317	2.406	ug/l #	80
58) 2-Chloroethyl Vinyl ether	7.62	63	371	2.167	ug/l	100
59) 2-Hexanone	9.49	43	3088	3.188	ug/l	79
95) Naphthalene	14.46	128	6399	1.395	ug/l #	94

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

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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: VF060812.D

Acq: 20 Nov 2018 19:39

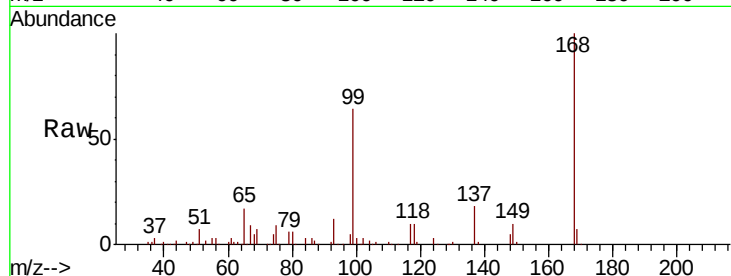
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 206544

Ion Ratio Lower Upper

168 100

99 63.6 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

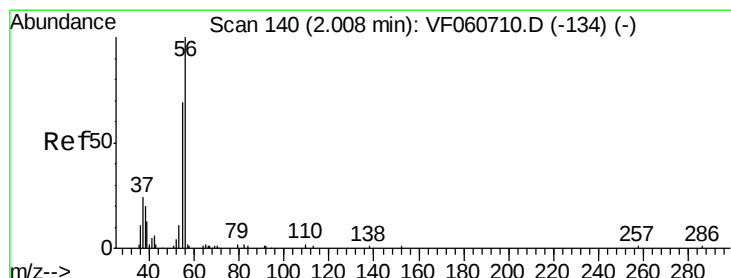
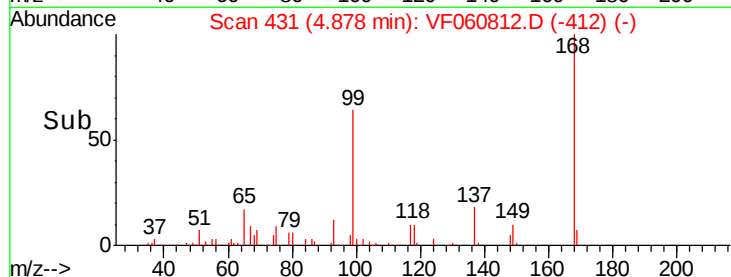
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#13

Acrolein

Concen: 1.958 ug/l

RT: 2.04 min Scan# 143

Delta R.T. 0.03 min

Lab File: VF060812.D

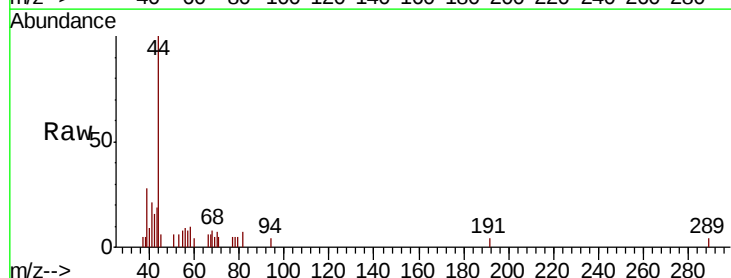
Acq: 20 Nov 2018 19:39

Tgt Ion: 56 Resp: 192

Ion Ratio Lower Upper

56 100

55 81.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.04

500

400

300

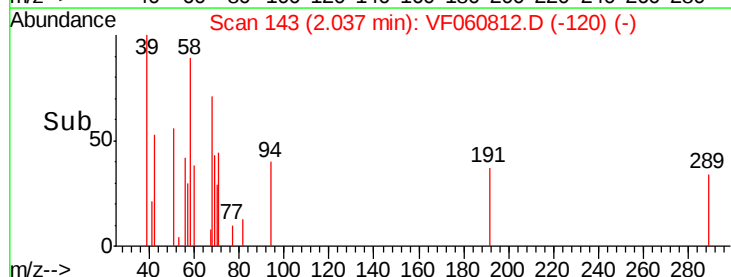
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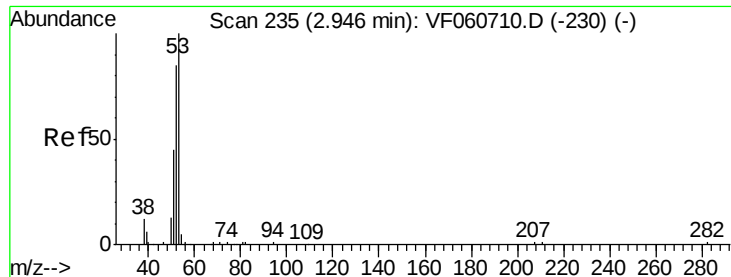
100

0

Time-->

2.00 2.05





#15

Acrylonitrile

Concen: 1.545 ug/l

RT: 2.93 min Scan# 234

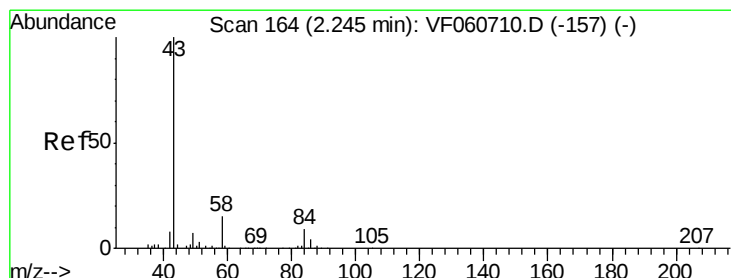
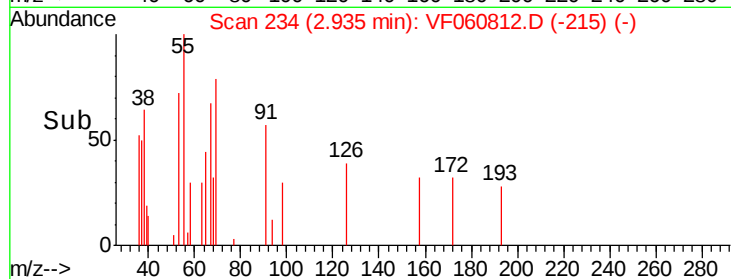
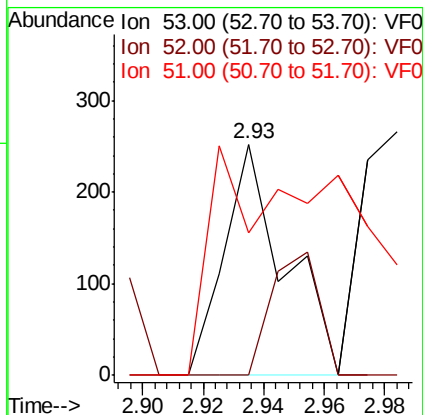
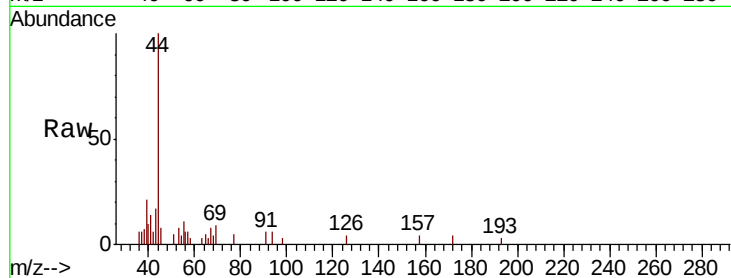
Delta R.T. -0.01 min

Lab File: VF060812.D

Acq: 20 Nov 2018 19:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	353
Ion	Ratio	Lower	Upper
53	100		
52	0.0	68.8	103.2#
51	61.9	36.7	55.1#



#16

Acetone

Concen: 56.650 ug/l

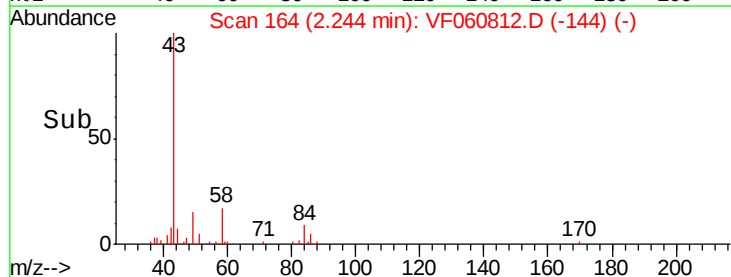
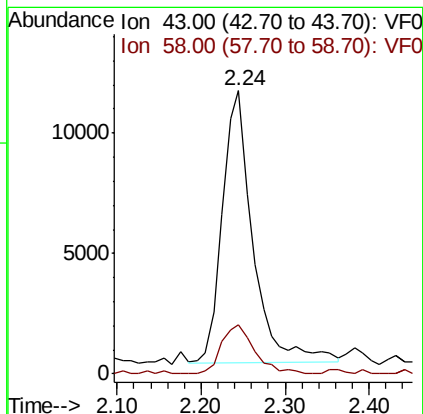
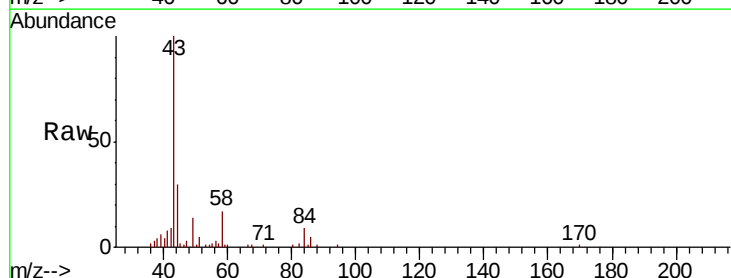
RT: 2.24 min Scan# 164

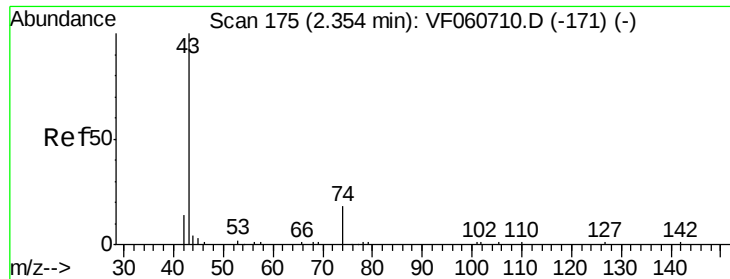
Delta R.T. -0.00 min

Lab File: VF060812.D

Acq: 20 Nov 2018 19:39

Tgt Ion:	43	Resp:	28526
Ion	Ratio	Lower	Upper
43	100		
58	17.2	11.6	17.4

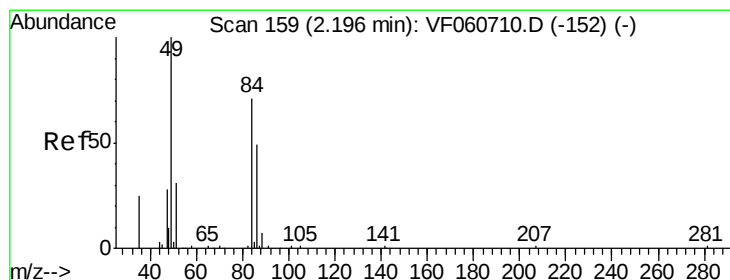
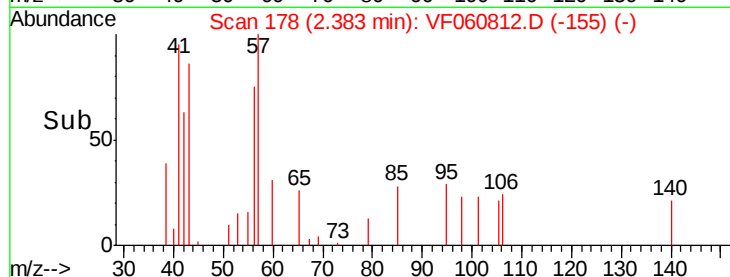
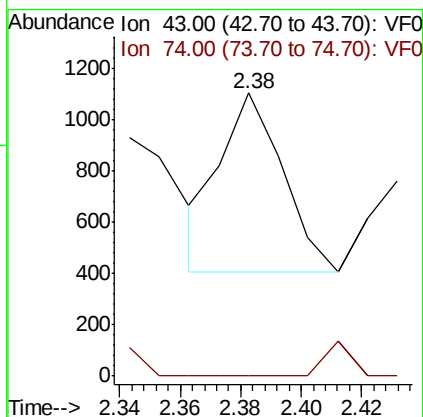
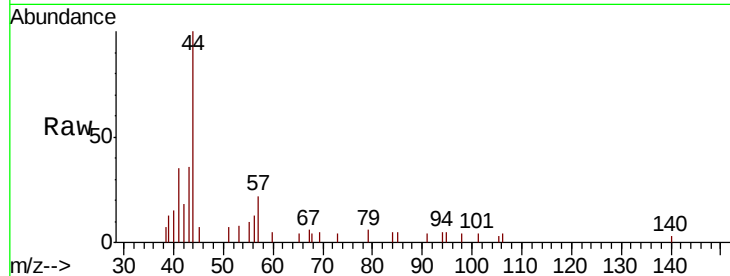




#18
Methyl Acetate
Concen: 1.214 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.03 min
Lab File: VF060812.D
Acq: 20 Nov 2018 19:39

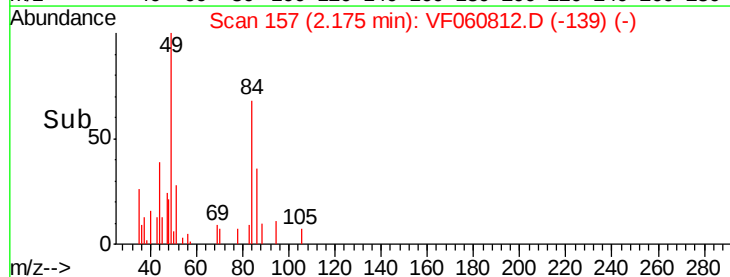
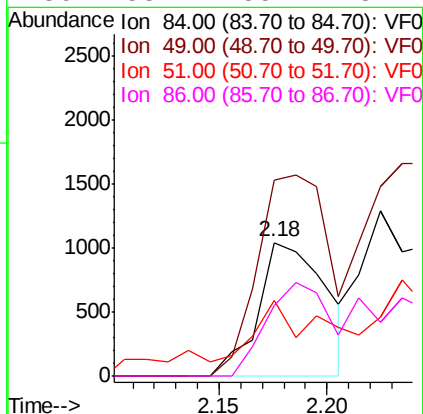
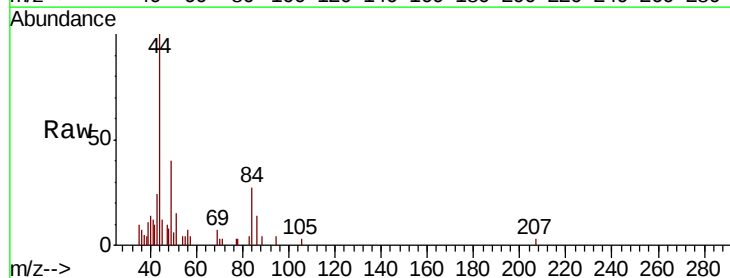
Instrument :
MSVOA_F
ClientSampled :

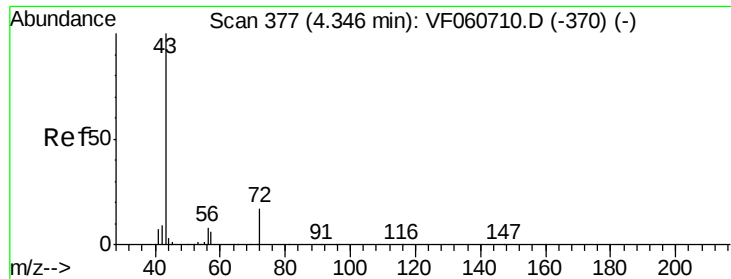
Tot Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF060812.D
Acq: 20 Nov 2018 19:39

Tgt Ion: 84 Resp: 2272
Ion Ratio Lower Upper
84 100
49 146.4 120.2 180.4
51 57.0 37.2 55.8#
86 53.2 55.1 82.7#

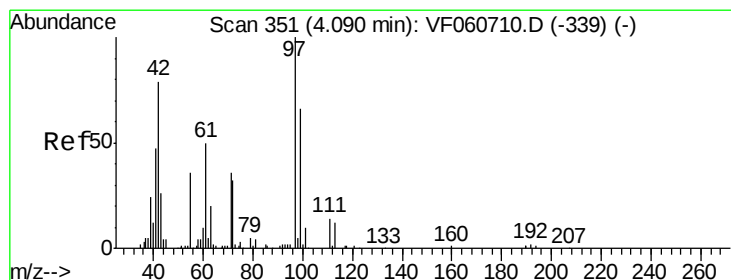
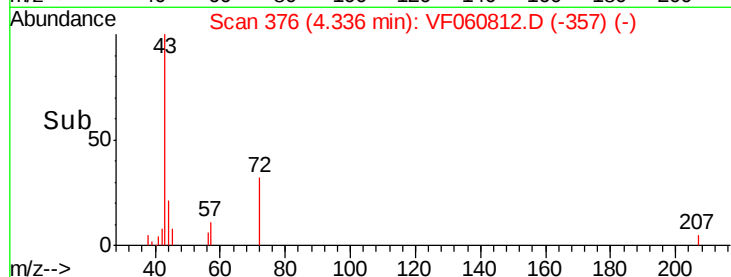
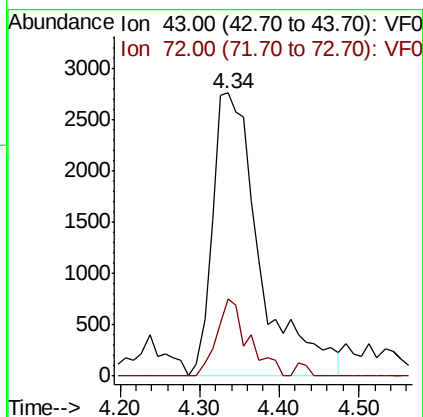
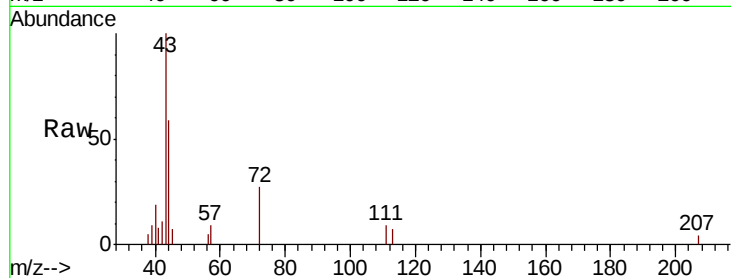




#25
2-Butanone
Concen: 13.933 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF060812.D
Acq: 20 Nov 2018 19:39

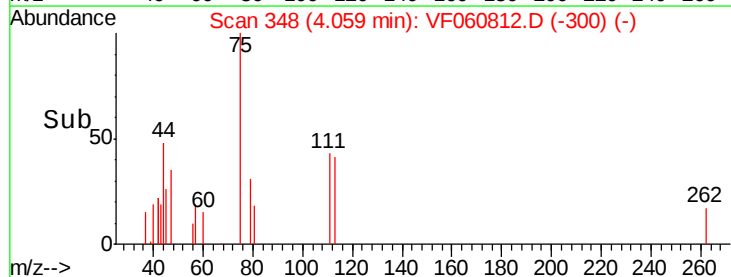
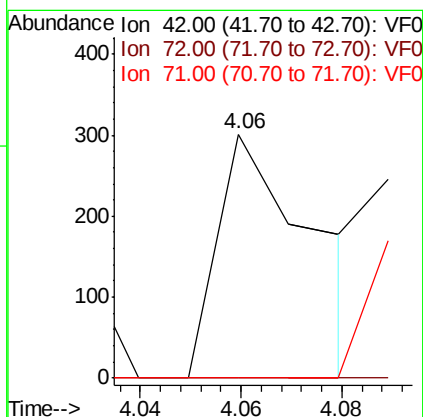
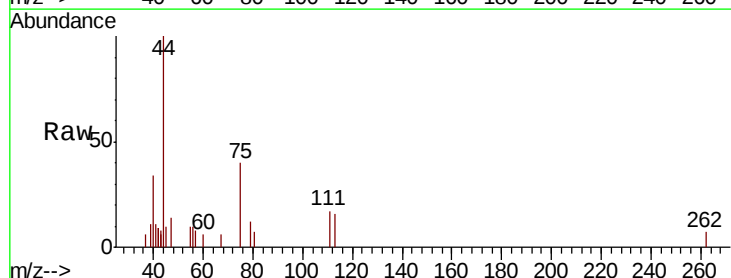
Instrument :
MSVOA_F
ClientSampleId :

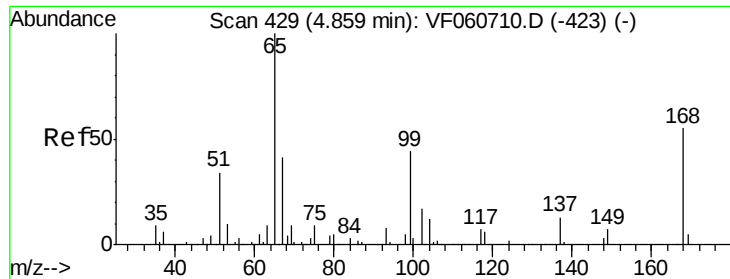
Tot Ion: 43 Resp: 11540
Ion Ratio Lower Upper
43 100
72 27.5 16.1 24.1#



#29
Tetrahydrofuran
Concen: 1.159 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.03 min
Lab File: VF060812.D
Acq: 20 Nov 2018 19:39

Tgt Ion: 42 Resp: 396
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: 40.828 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060812.D

Acq: 20 Nov 2018 19:39

Instrument :

MSVOA_F

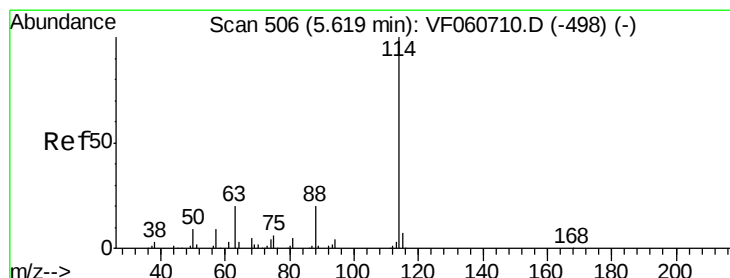
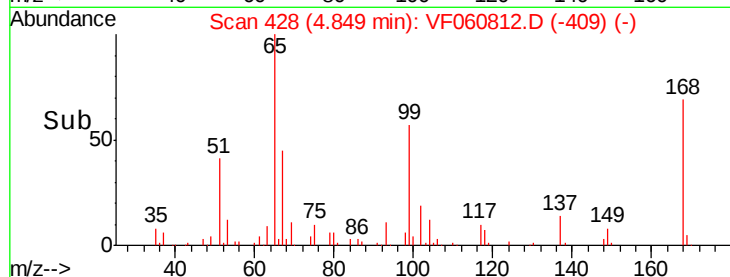
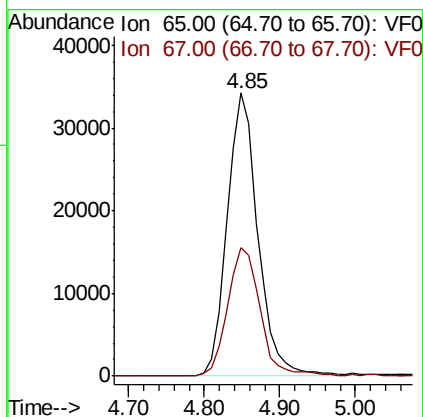
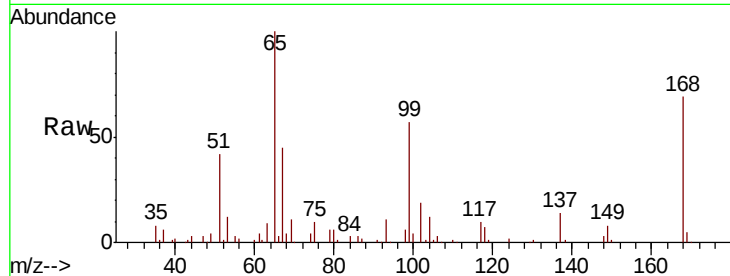
ClientSampleId :

Tot Ion: 65 Resp: 96185

Ion Ratio Lower Upper

65 100

67 45.3 0.0 90.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.02 min

Lab File: VF060812.D

Acq: 20 Nov 2018 19:39

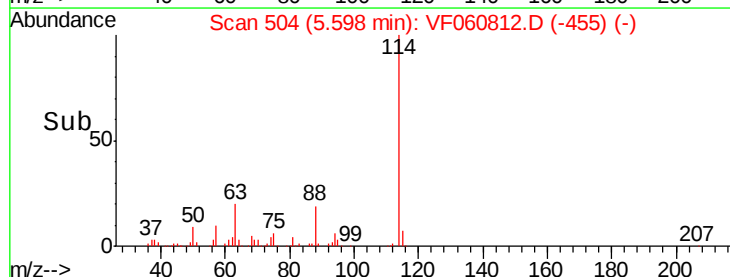
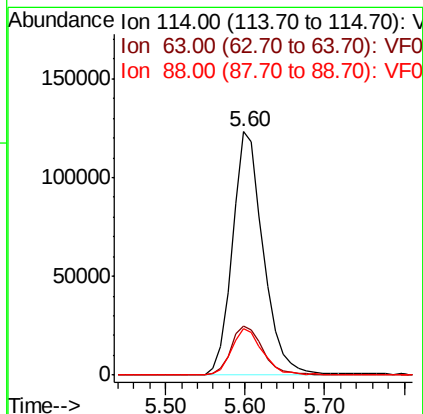
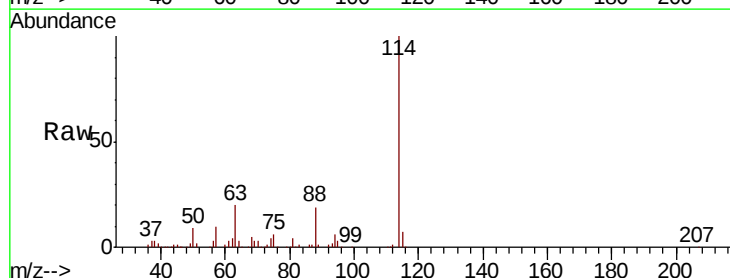
Tgt Ion: 114 Resp: 333394

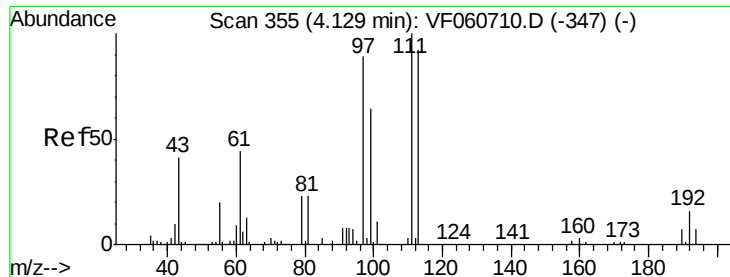
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 19.2 0.0 39.6

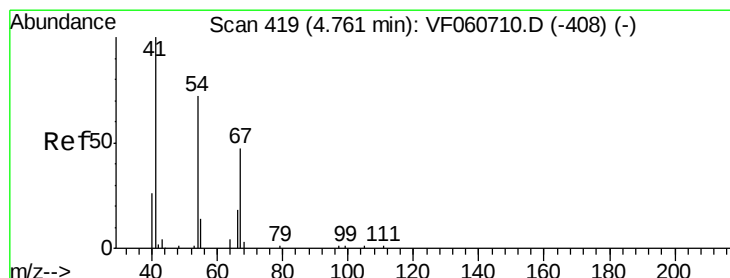
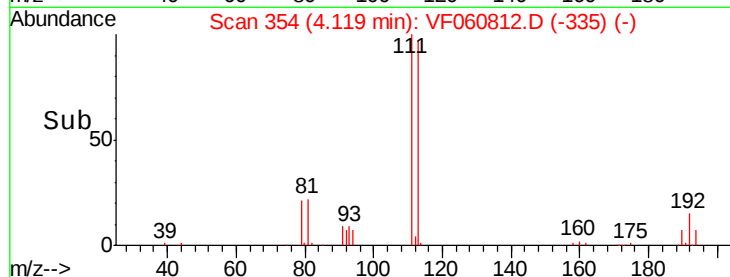
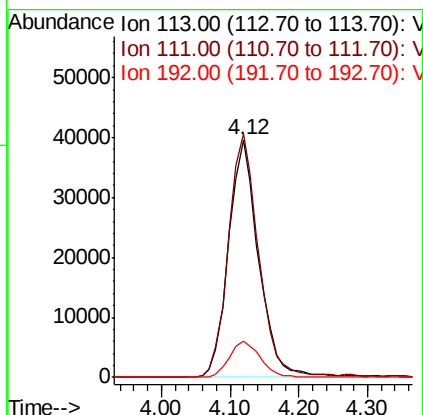
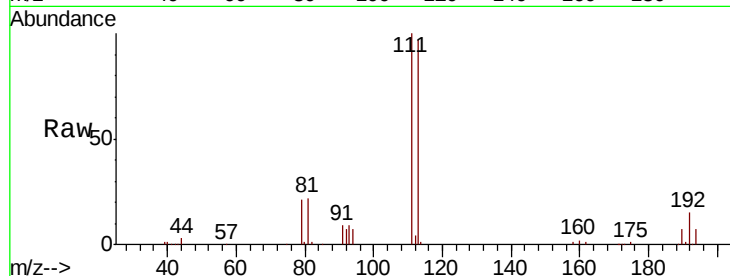




#35
 Dibromofluoromethane
 Concen: 47.862 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VF060812.D
 Acq: 20 Nov 2018 19:39

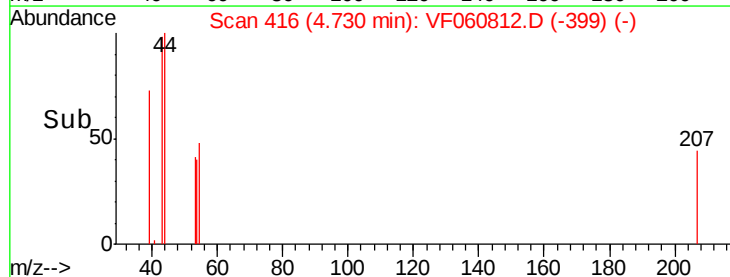
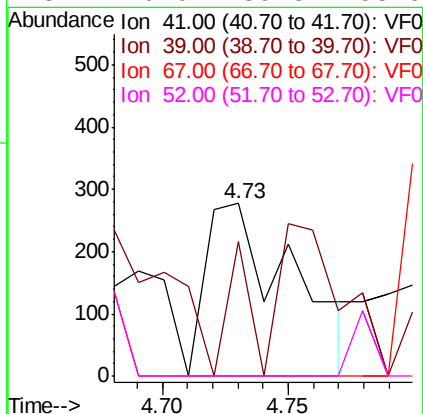
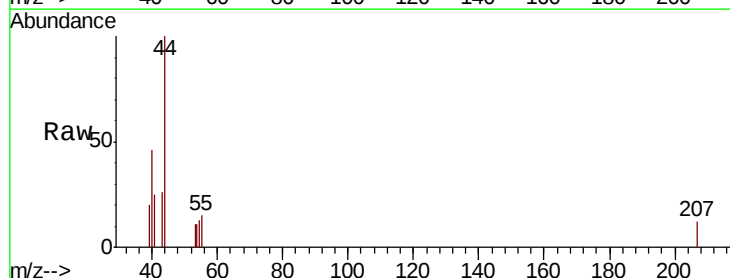
Instrument :
 MSVOA_F
 ClientSampleId :

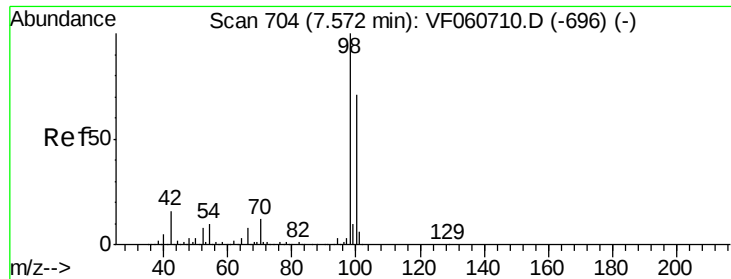
Tot Ion:113 Resp: 119947
 Ion Ratio Lower Upper
 113 100
 111 102.6 87.1 130.7
 192 15.3 13.8 20.6



#41
 Methacrylonitrile
 Concen: Below Cal
 RT: 4.73 min Scan# 416
 Delta R.T. -0.03 min
 Lab File: VF060812.D
 Acq: 20 Nov 2018 19:39

Tgt Ion: 41 Resp: 660
 Ion Ratio Lower Upper
 41 100
 39 78.0 47.1 70.7#
 67 0.0 37.1 55.7#
 52 0.0 39.3 58.9#





#50

Toluene-d8

Concen: 47.598 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060812.D

Acq: 20 Nov 2018 19:39

Instrument :

MSVOA_F

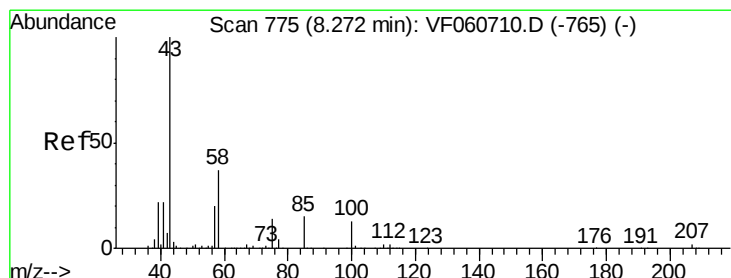
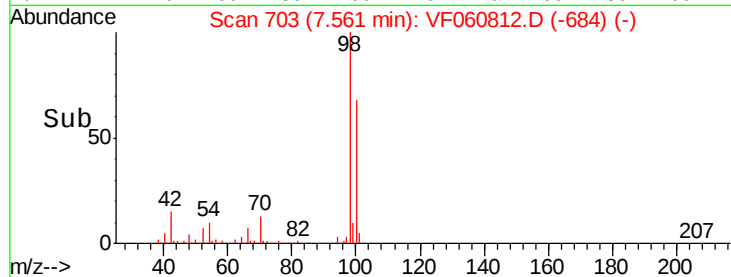
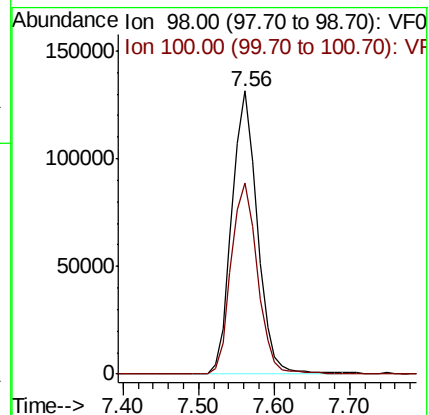
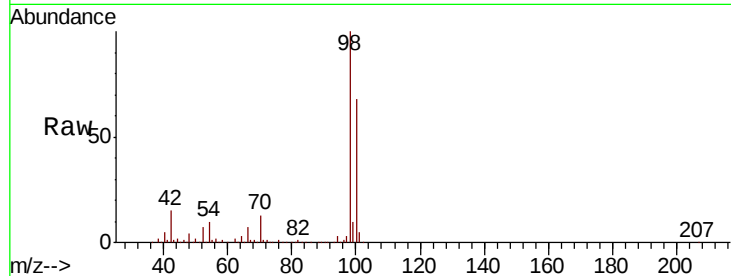
ClientSampled :

Tot Ion: 98 Resp: 307238

Ion Ratio Lower Upper

98 100

100 67.6 56.5 84.7



#51

4-Methyl-2-Pentanone

Concen: 2.406 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060812.D

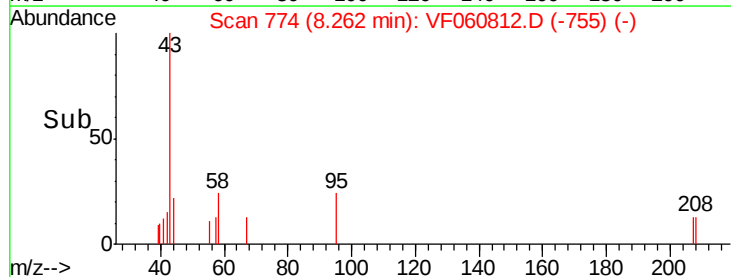
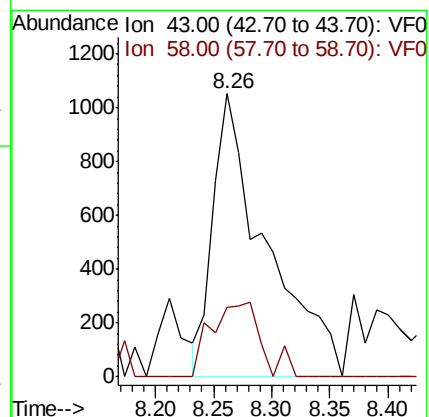
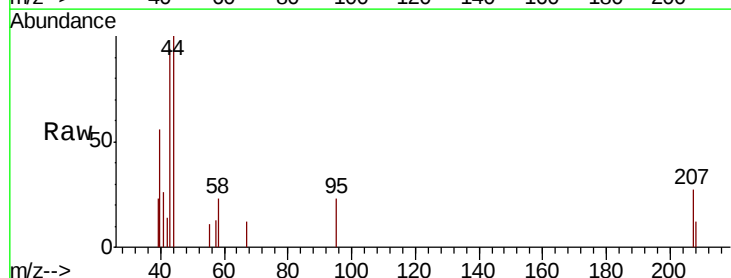
Acq: 20 Nov 2018 19:39

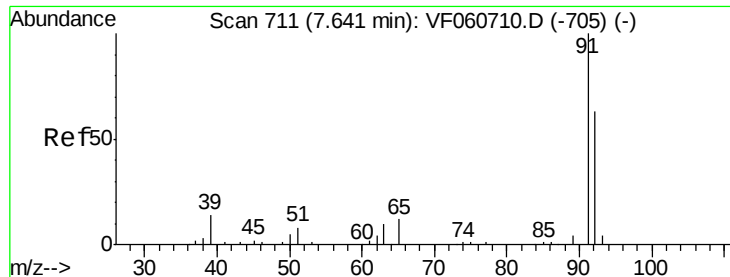
Tgt Ion: 43 Resp: 3317

Ion Ratio Lower Upper

43 100

58 24.4 29.2 43.8#

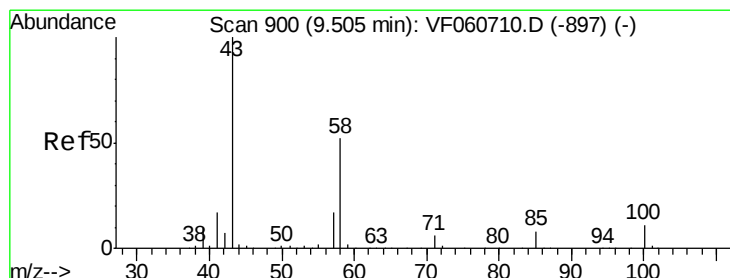
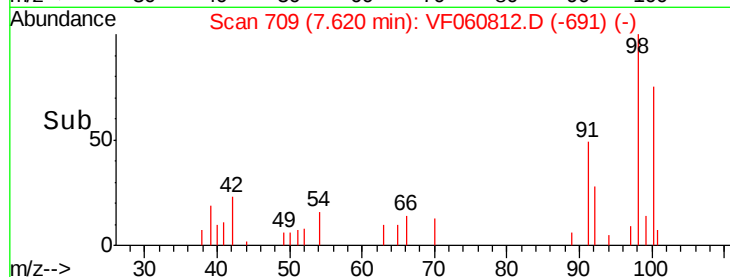
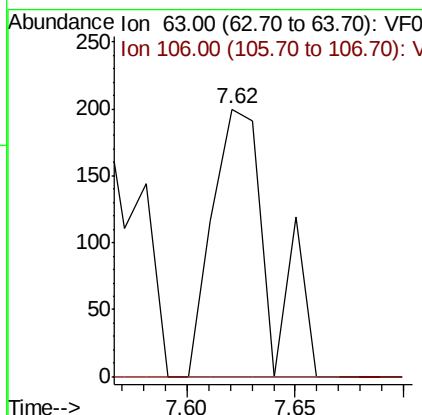
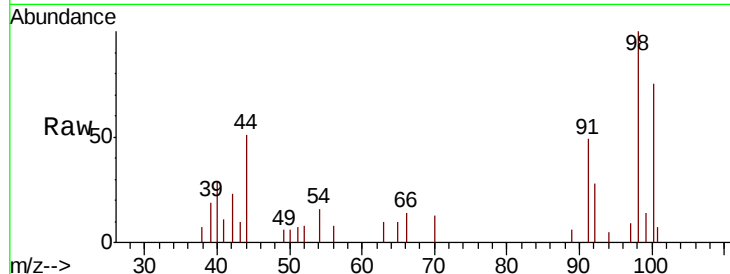




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.167 ug/l
 RT: 7.62 min Scan# 709
 Delta R.T. -0.02 min
 Lab File: VF060812.D
 Acq: 20 Nov 2018 19:39

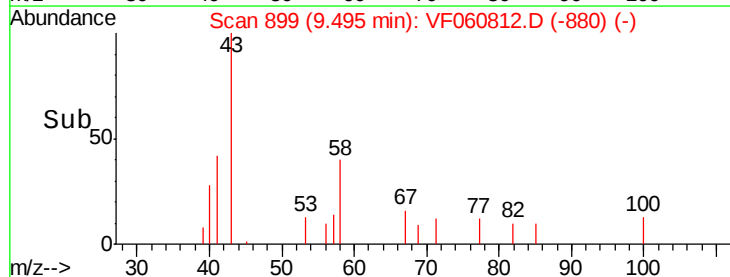
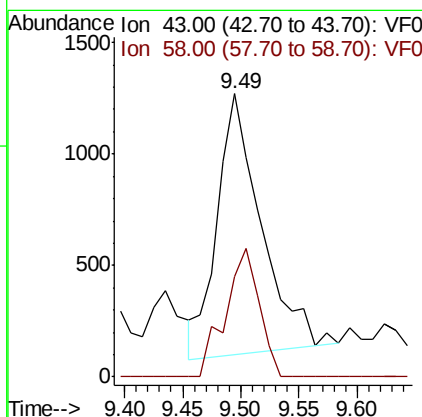
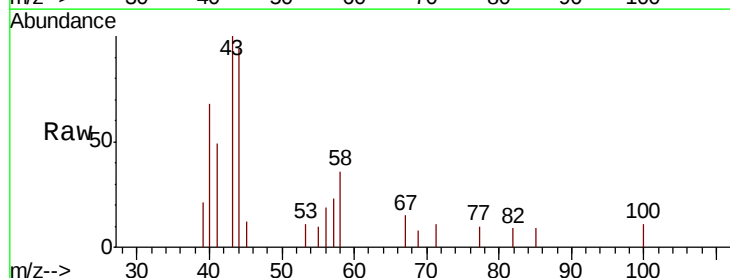
Instrument :
 MSVOA_F
 ClientSampled :

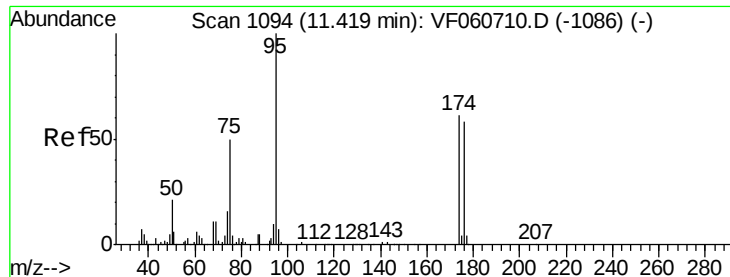
Tot Ion: 63 Resp: 371
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 3.188 ug/l
 RT: 9.49 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VF060812.D
 Acq: 20 Nov 2018 19:39

Tgt Ion: 43 Resp: 3088
 Ion Ratio Lower Upper
 43 100
 58 35.7 24.9 74.7

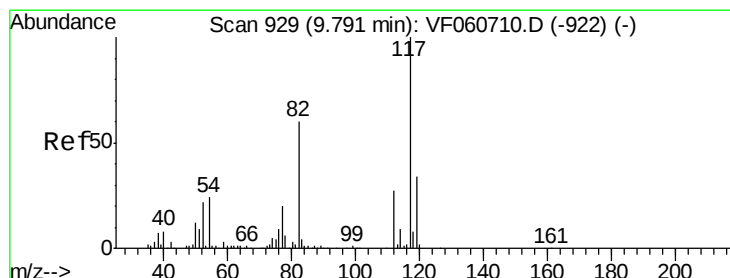
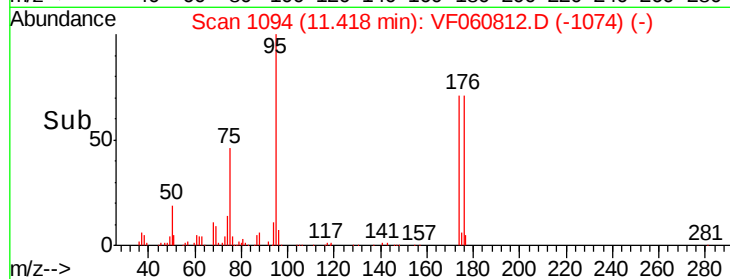
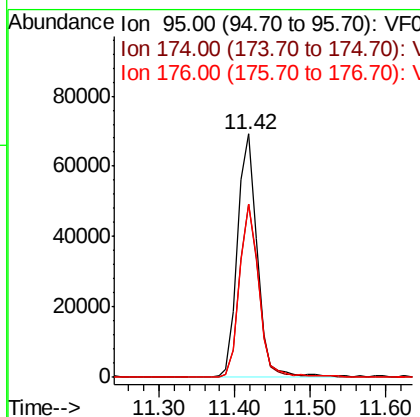
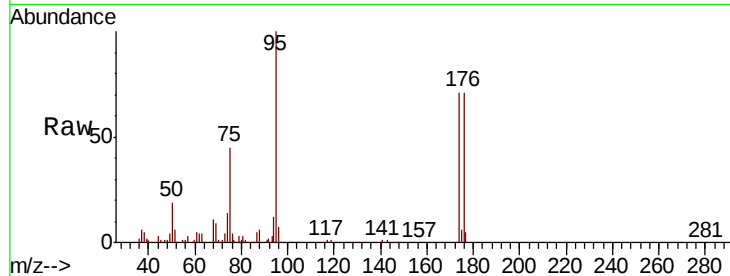




#62
4-Bromofluorobenzene
Concen: 41.131 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF060812.D
Acq: 20 Nov 2018 19:39

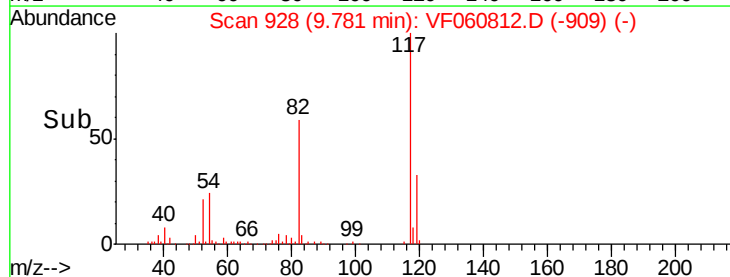
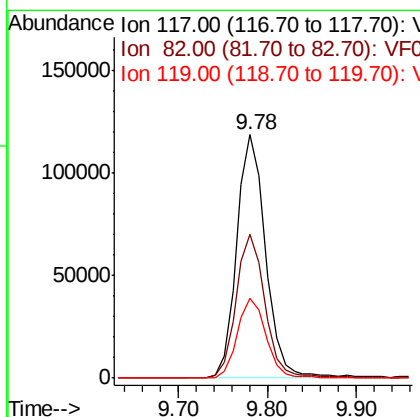
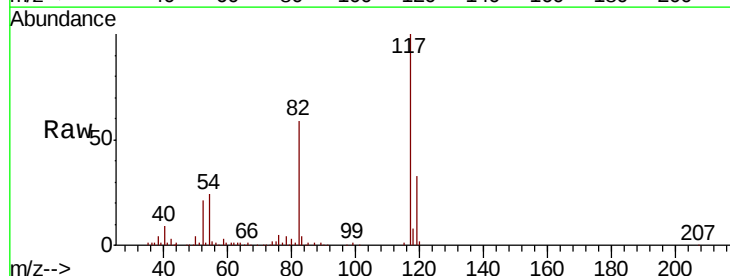
Instrument :
MSVOA_F
ClientSampleId :

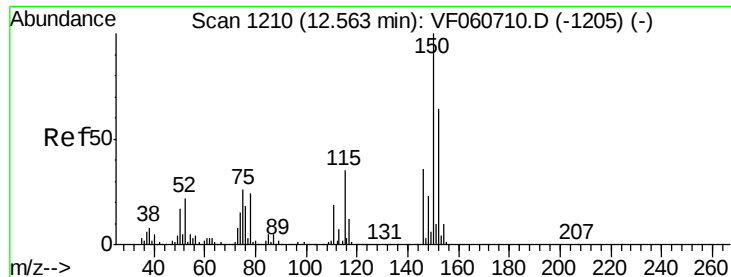
Tot Ion: 95 Resp: 124110
Ion Ratio Lower Upper
95 100
174 71.2 0.0 121.6
176 71.2 0.0 115.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060812.D
Acq: 20 Nov 2018 19:39

Tgt Ion: 117 Resp: 268347
Ion Ratio Lower Upper
117 100
82 58.9 47.9 71.9
119 32.5 26.8 40.2

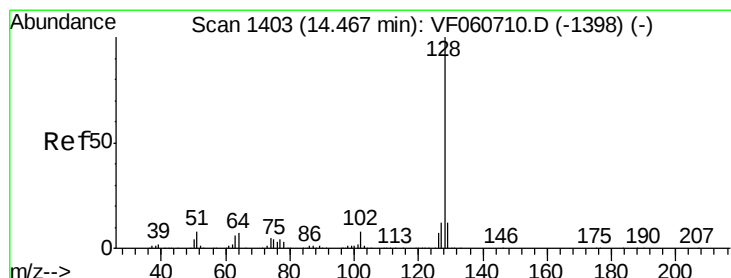
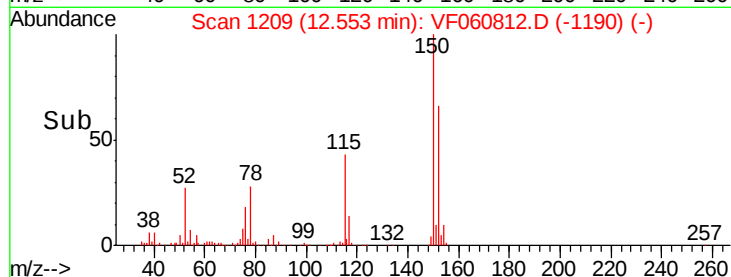
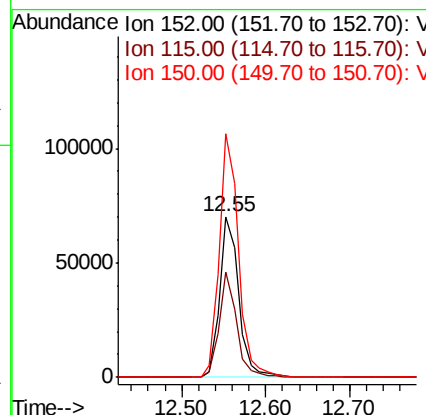
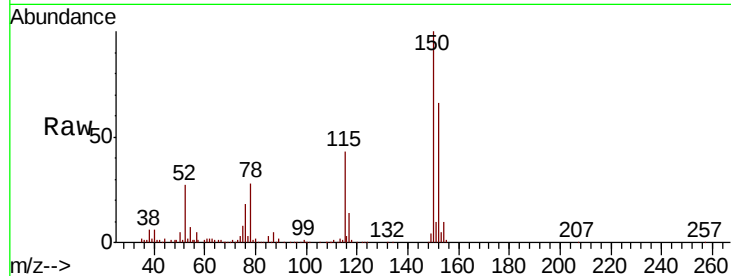




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060812.D
 Acq: 20 Nov 2018 19:39

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:152 Resp: 111407
 Ion Ratio Lower Upper
 152 100
 115 65.2 27.9 83.7
 150 151.5 0.0 316.4



#95
 Naphthalene
 Concen: 1.395 ug/l
 RT: 14.46 min Scan# 1402
 Delta R.T. -0.01 min
 Lab File: VF060812.D
 Acq: 20 Nov 2018 19:39

Tgt Ion:128 Resp: 6399
 Ion Ratio Lower Upper
 128 100
 127 11.4 9.8 14.6
 129 15.2 9.3 13.9#

