

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060608.D
 Acq On : 6 Nov 2018 11:29
 Operator : VA/AP
 Sample : J5776-01RE
 Misc : 5.32/5mL/MSVOA-F/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 06 10:57:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	301089	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	565097	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	512258	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.57	152	282624	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	158941	52.25	ug/l	0.01
Spiked Amount 50.000			Recovery	=	104.50%	
35) Dibromofluoromethane	4.13	113	216603	49.61	ug/l	0.02
Spiked Amount 50.000			Recovery	=	99.22%	
50) Toluene-d8	7.57	98	560580	43.34	ug/l	0.01
Spiked Amount 50.000			Recovery	=	86.68%	
62) 4-Bromofluorobenzene	11.42	95	266355	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.16%	

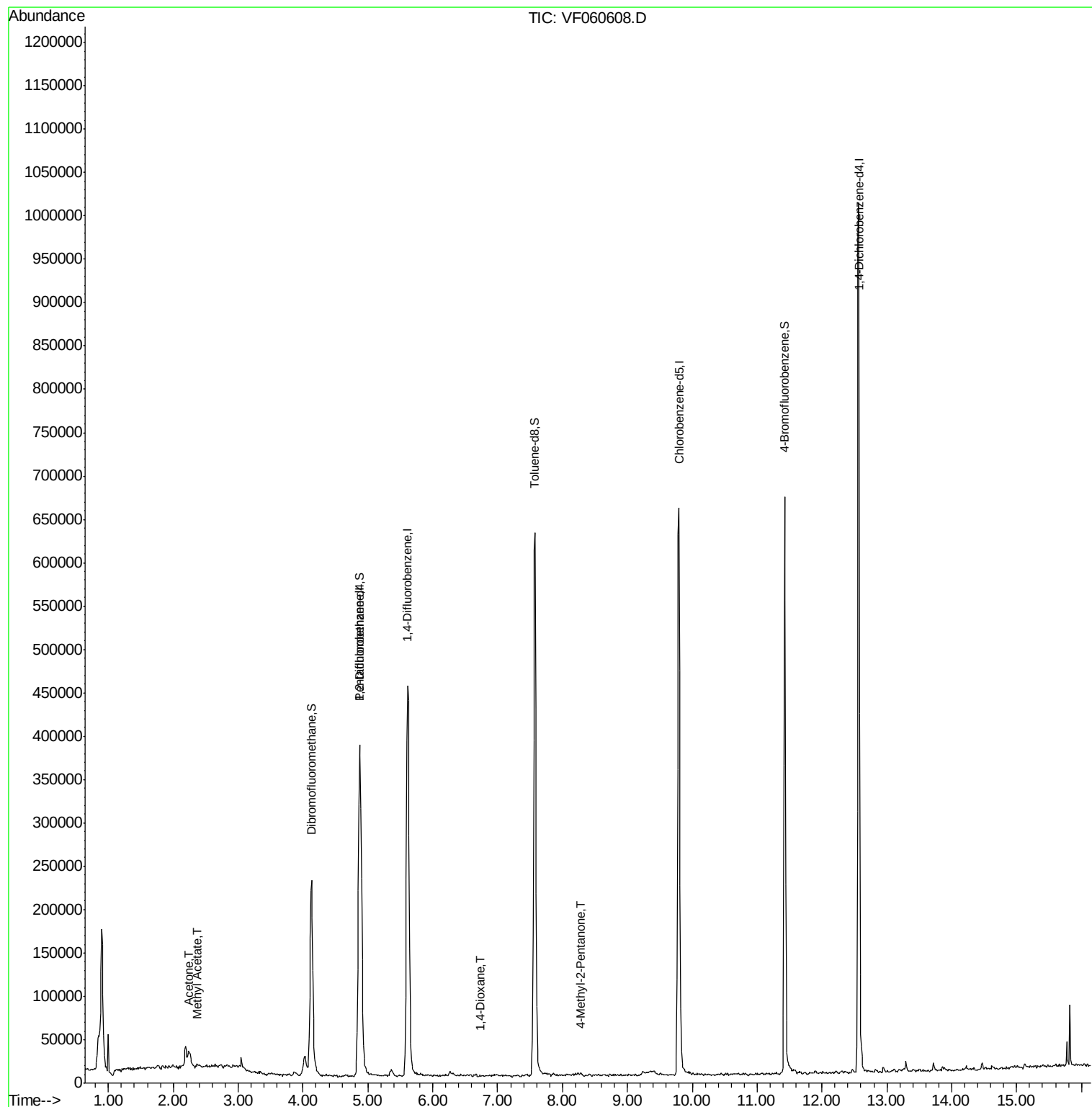
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	292	Below Cal	#	41
6) Chloroethane	1.38	64	128	Below Cal	#	1
11) Tert butyl alcohol	2.57	59	123	Below Cal	#	1
13) Acrolein	2.00	56	1418	Below Cal	#	78
16) Acetone	2.24	43	6423	8.960	ug/l	92
18) Methyl Acetate	2.36	43	595	1.008	ug/l	93
25) 2-Butanone	4.35	43	542	Below Cal	#	56
29) Tetrahydrofuran	4.10	42	343	Below Cal	#	1
49) 1,4-Dioxane	6.73	88	63	2.536	ug/l #	1
51) 4-Methyl-2-Pentanone	8.28	43	2784	1.096	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.64	63	225	Below Cal		100
59) 2-Hexanone	9.52	43	3048	Below Cal		80
74) N-amyl acetate	11.37	43	1532	Below Cal	#	64
89) n-Butylbenzene	12.85	91	1072	Below Cal		98

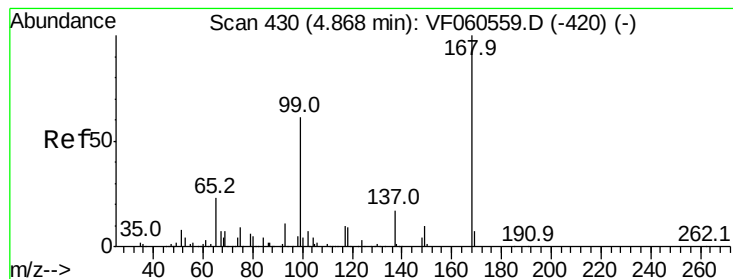
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060608.D
Acq On : 6 Nov 2018 11:29
Operator : VA/AP
Sample : J5776-01RE
Misc : 5.32/5mL/MSVOA-F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Nov 06 10:57:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 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: VF060608.D

Acq: 6 Nov 2018 11:29

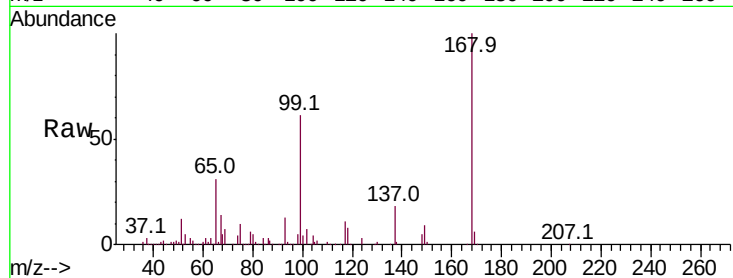
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 301089

Ion Ratio Lower Upper

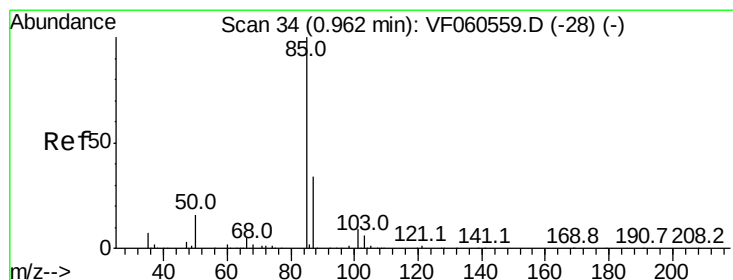
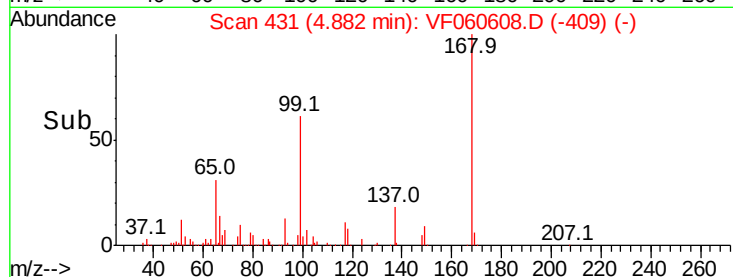
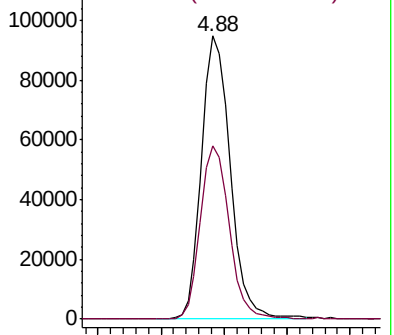
168 100

99 61.1 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.97 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060608.D

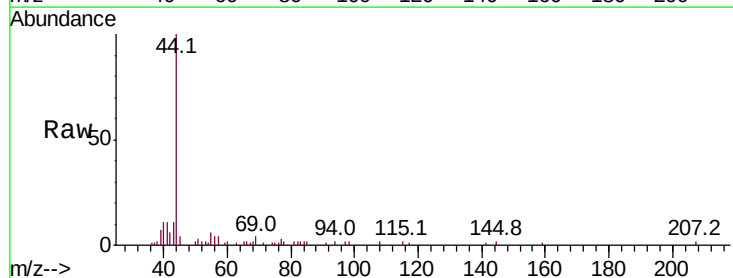
Acq: 6 Nov 2018 11:29

Tgt Ion: 85 Resp: 292

Ion Ratio Lower Upper

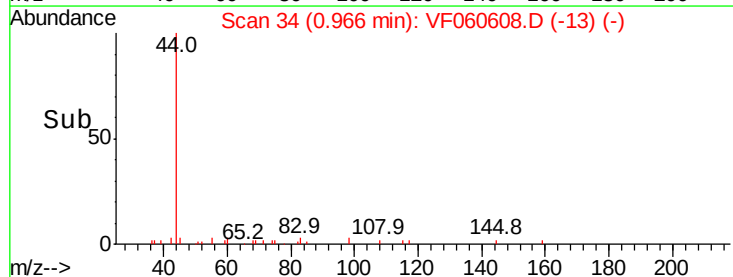
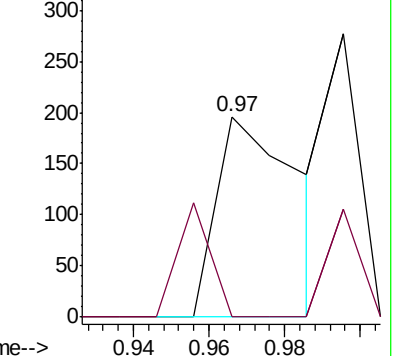
85 100

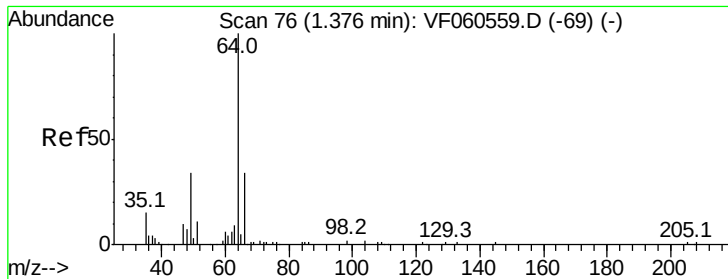
87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#6

Chloroethane

Concen: Below Cal

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF060608.D

Acq: 6 Nov 2018 11:29

Instrument :

MSVOA_F

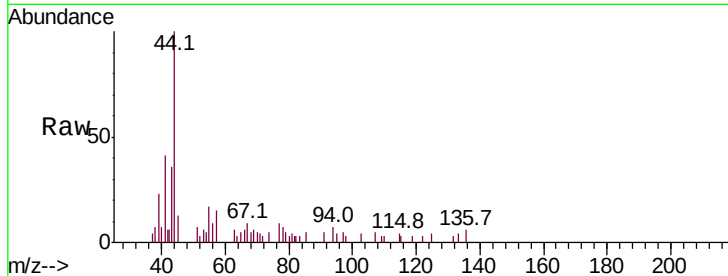
ClientSampled :

Tot Ion: 64 Resp: 128

Ion Ratio Lower Upper

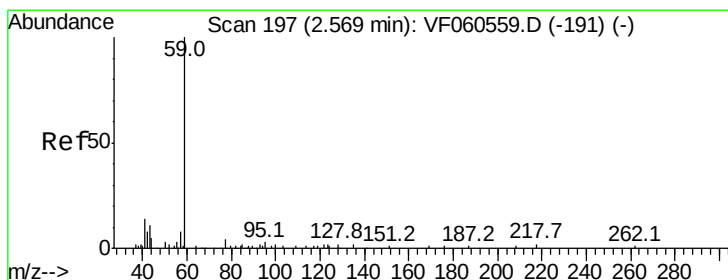
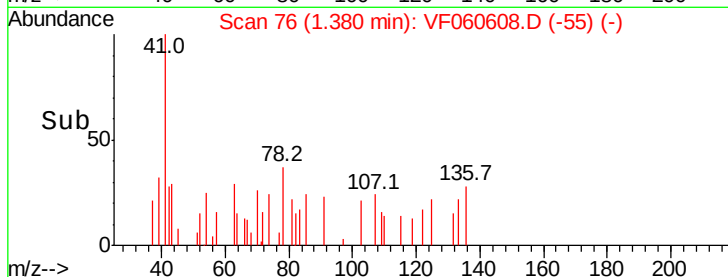
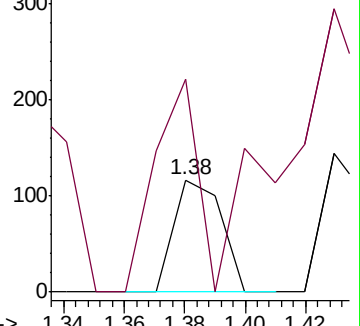
64 100

66 189.7 27.8 41.8#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.57 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF060608.D

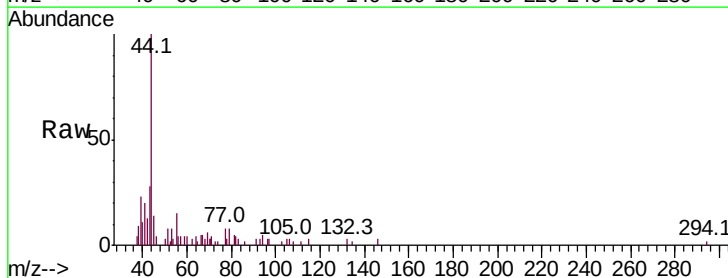
Acq: 6 Nov 2018 11:29

Tgt Ion: 59 Resp: 123

Ion Ratio Lower Upper

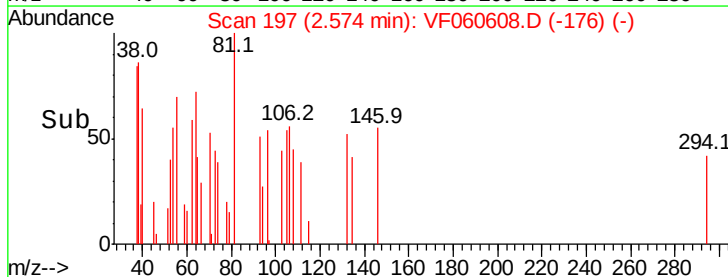
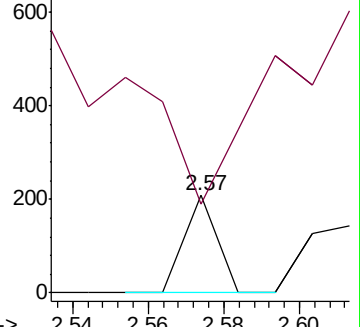
59 100

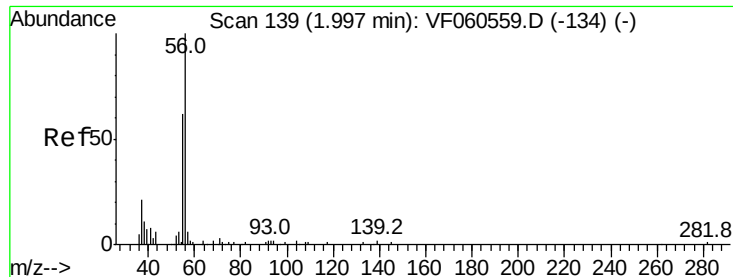
57 91.3 19.0 28.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF060608.D

Acq: 6 Nov 2018 11:29

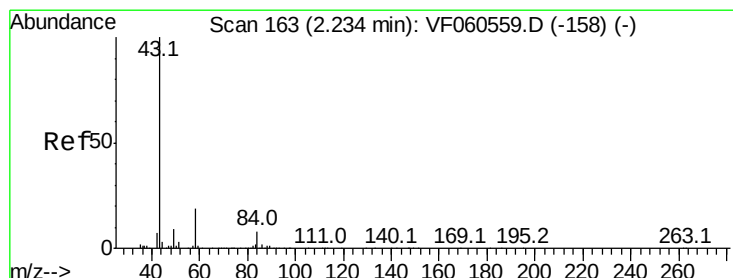
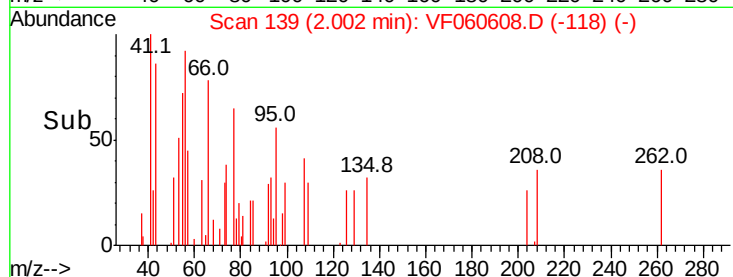
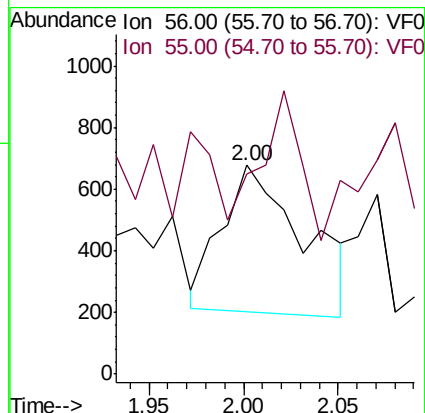
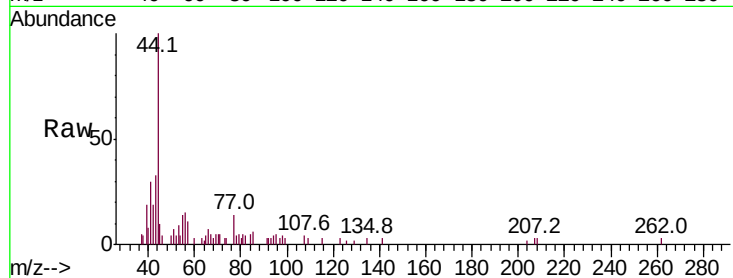
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 1418

Ion Ratio Lower Upper

56 100

55 95.9 61.8 92.6#



#16

Acetone

Concen: 8.960 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF060608.D

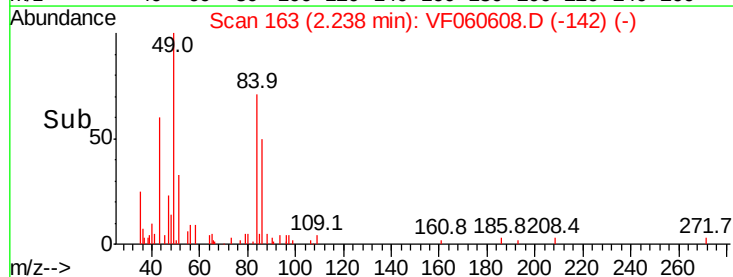
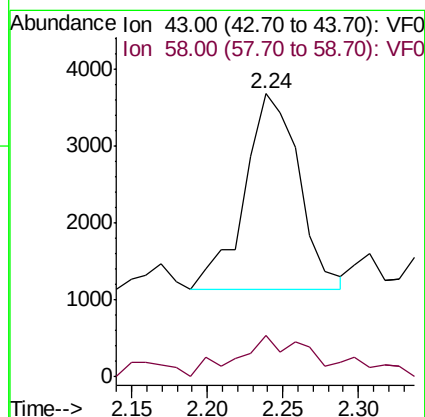
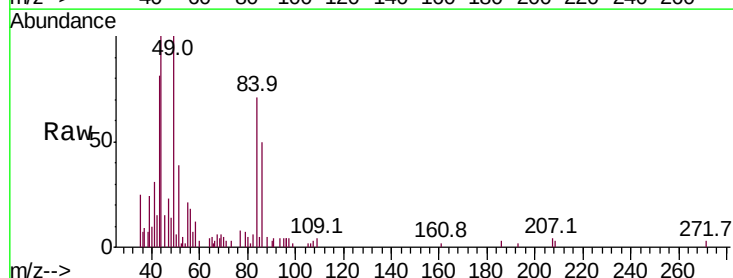
Acq: 6 Nov 2018 11:29

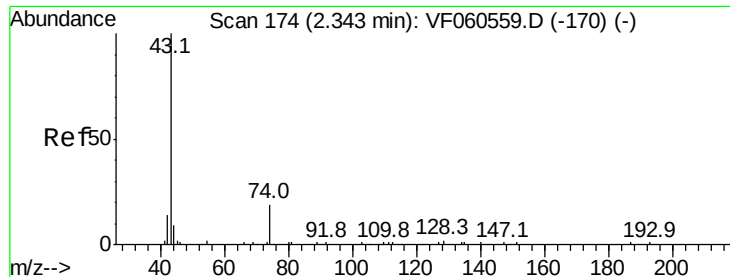
Tgt Ion: 43 Resp: 6423

Ion Ratio Lower Upper

43 100

58 14.7 14.6 22.0





#18

Methyl Acetate

Concen: 1.008 ug/l

RT: 2.36 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF060608.D

Acq: 6 Nov 2018 11:29

Instrument :

MSVOA_F

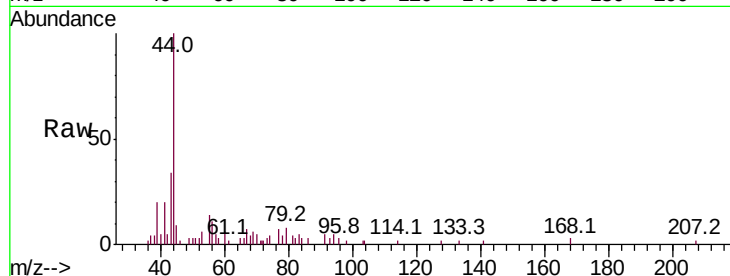
ClientSampled :

Tot Ion: 43 Resp: 595

Ion Ratio Lower Upper

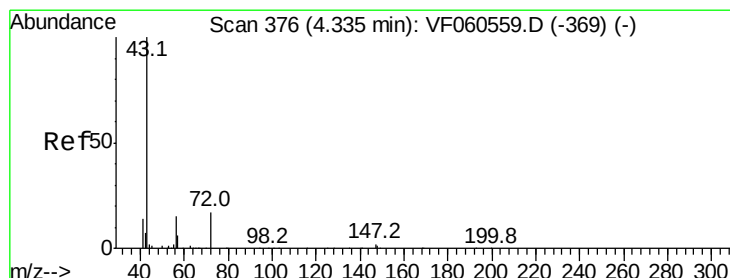
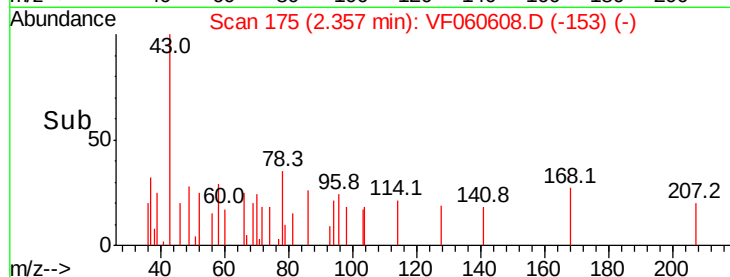
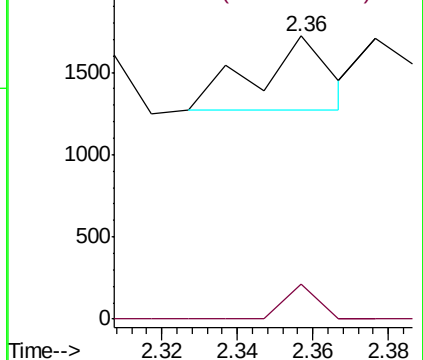
43 100

74 12.4 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



#25

2-Butanone

Concen: Below Cal

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF060608.D

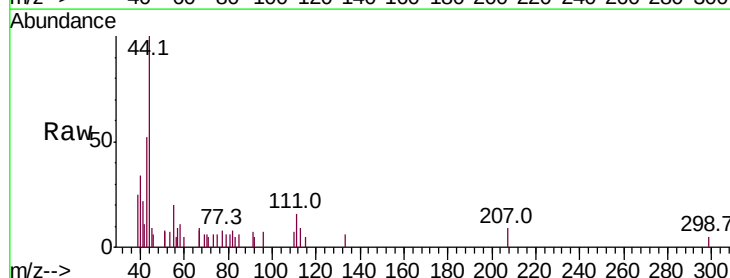
Acq: 6 Nov 2018 11:29

Tgt Ion: 43 Resp: 542

Ion Ratio Lower Upper

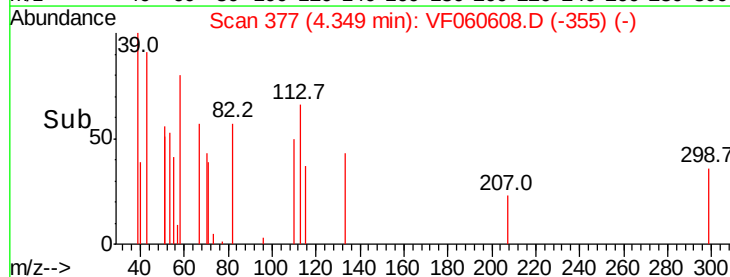
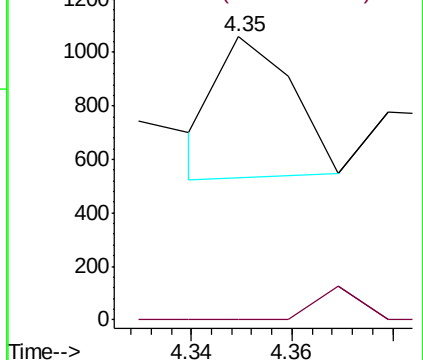
43 100

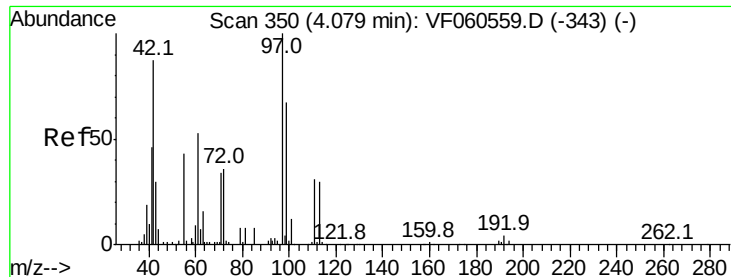
72 0.0 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.10 min Scan# 352

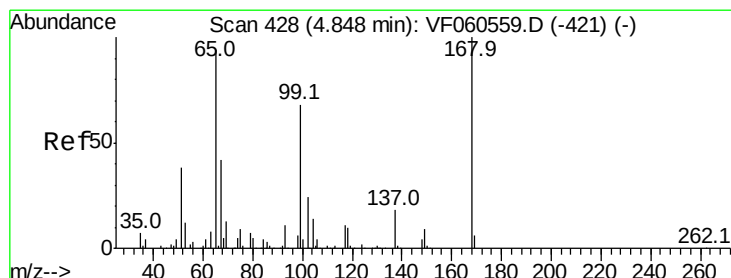
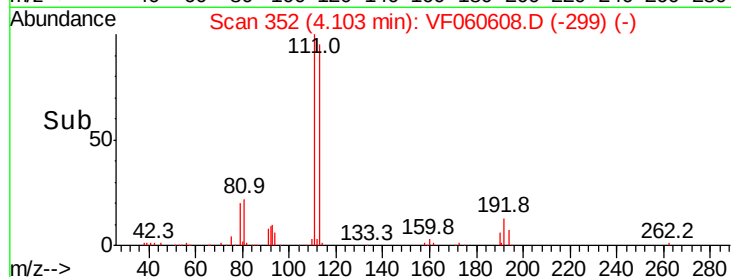
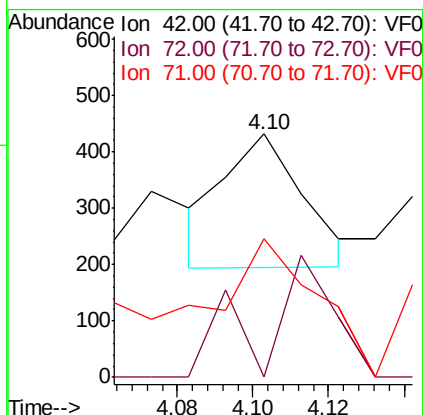
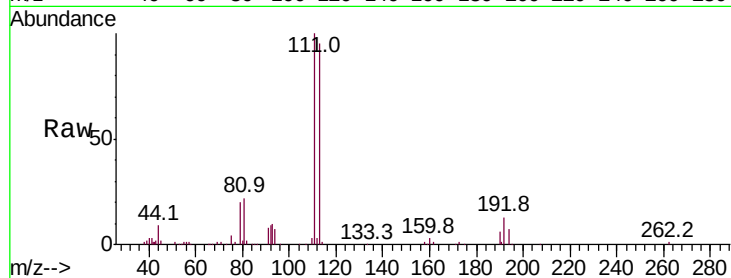
Delta R.T. 0.02 min

Lab File: VF060608.D

Acq: 6 Nov 2018 11:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	343
Ion	Ratio	Lower	Upper
42	100		
72	82.5	31.4	47.0#
71	135.3	31.8	47.6#



#33

1,2-Dichloroethane-d4

Concen: 52.247 ug/l

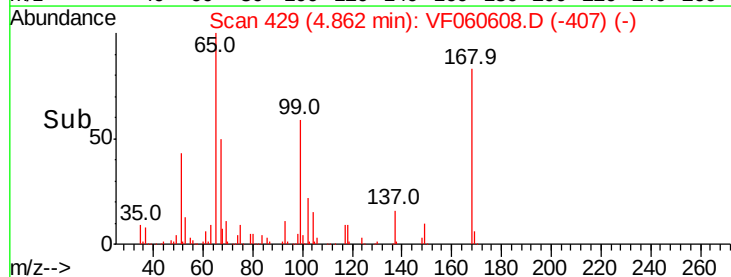
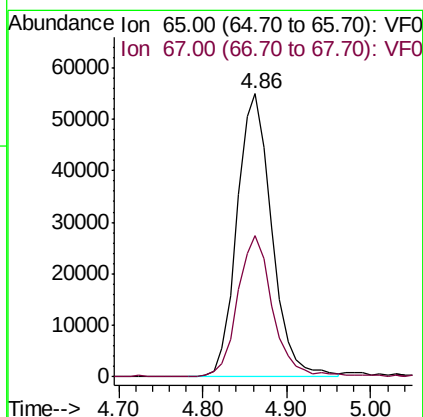
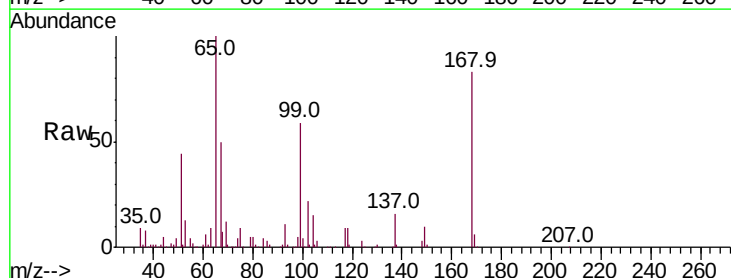
RT: 4.86 min Scan# 429

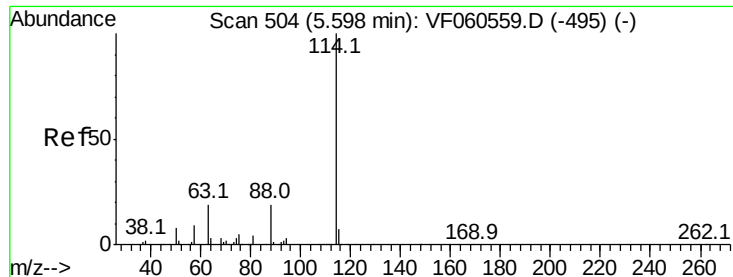
Delta R.T. 0.01 min

Lab File: VF060608.D

Acq: 6 Nov 2018 11:29

Tgt Ion:	65	Resp:	158941
Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	101.8

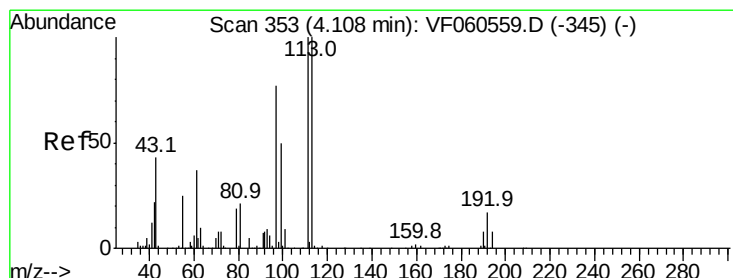
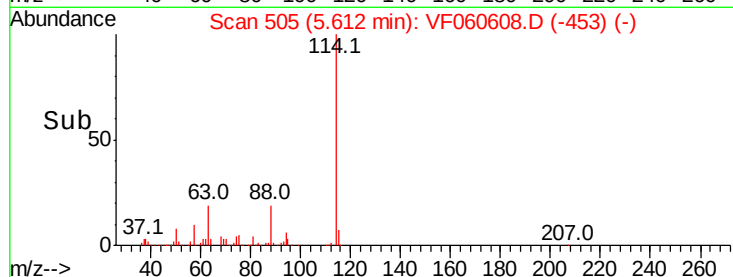
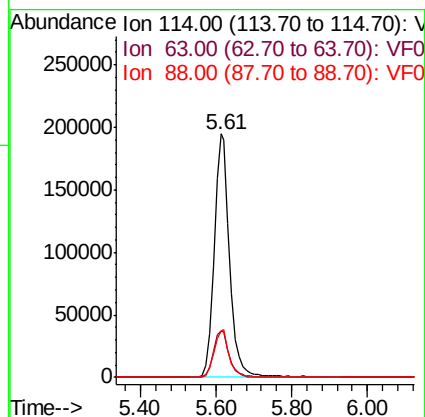
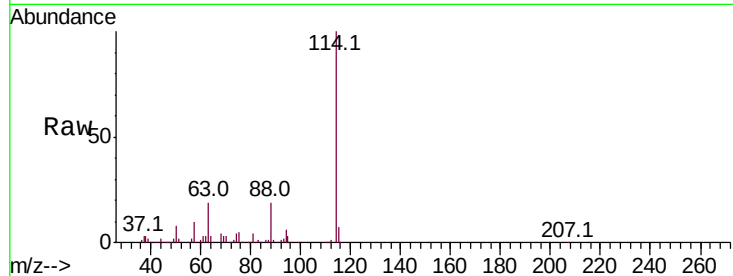




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF060608.D
 Acq: 6 Nov 2018 11:29

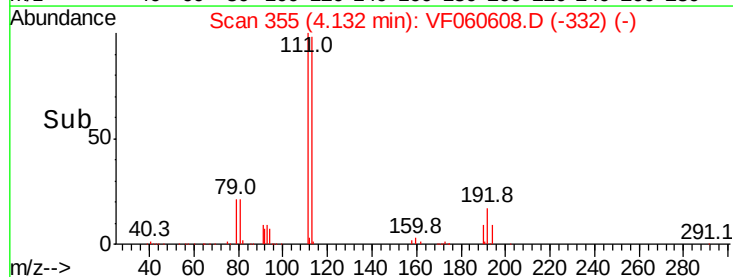
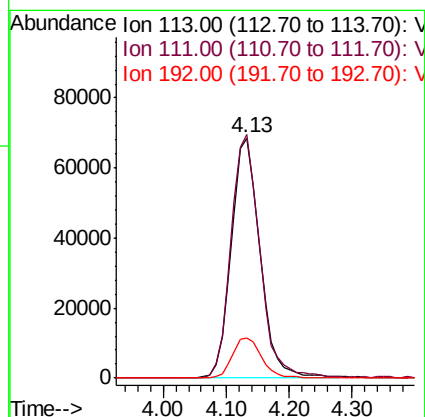
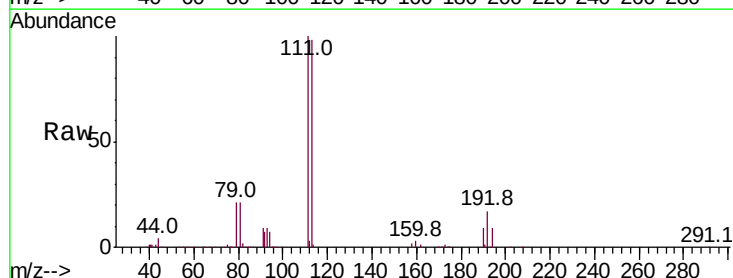
Instrument :
 MSVOA_F
 ClientSampled :

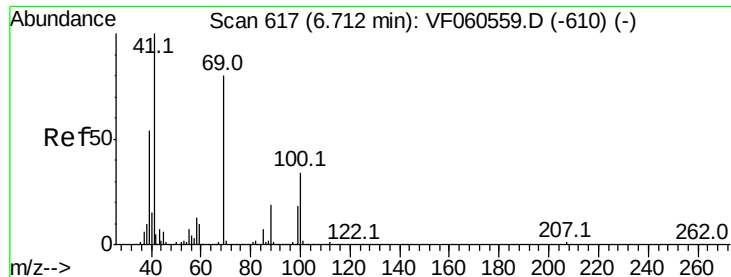
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.0
88	19.3	0.0	38.2



#35
 Dibromofluoromethane
 Concen: 49.612 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.02 min
 Lab File: VF060608.D
 Acq: 6 Nov 2018 11:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	79.9	119.9
192	16.9	13.3	19.9





#49

1,4-Dioxane

Concen: 2.536 ug/l

RT: 6.73 min Scan# 618

Delta R.T. 0.01 min

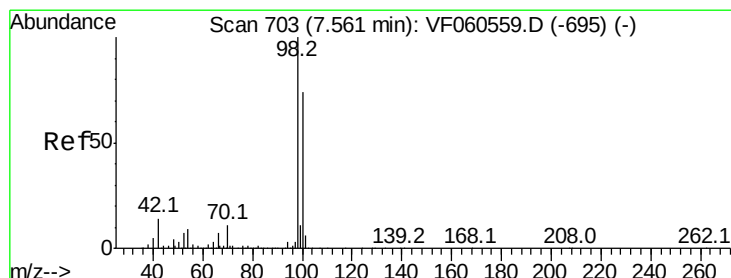
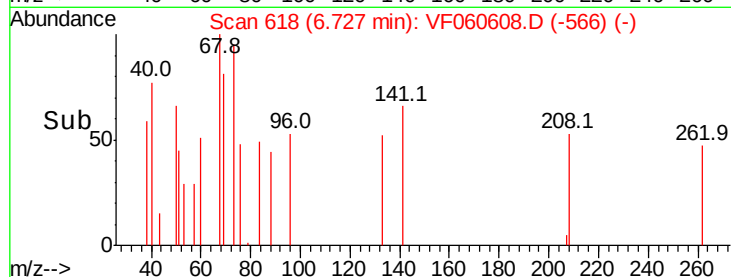
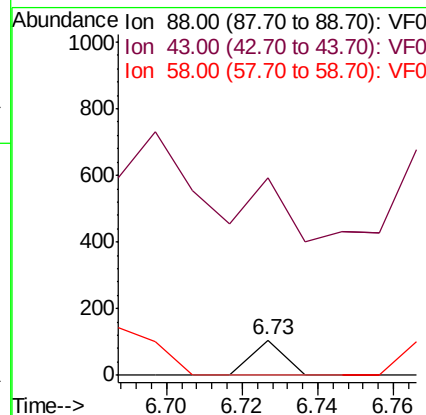
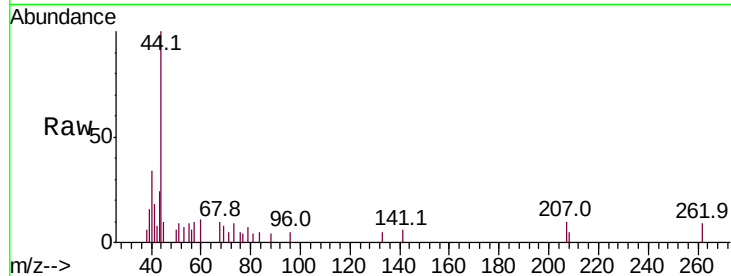
Lab File: VF060608.D

Acq: 6 Nov 2018 11:29

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 88 Resp: 63

Ion	Ratio	Lower	Upper
88	100		
43	559.4	61.2	91.8#
58	0.0	56.9	85.3#



#50

Toluene-d8

Concen: 43.344 ug/l

RT: 7.57 min Scan# 704

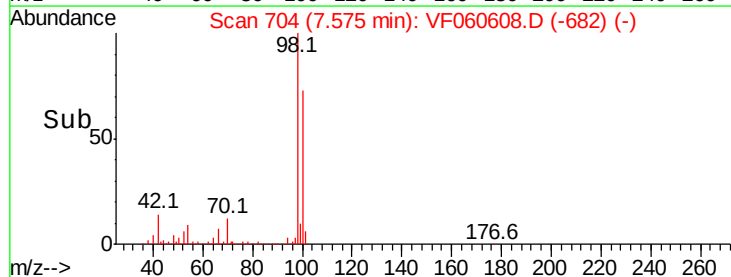
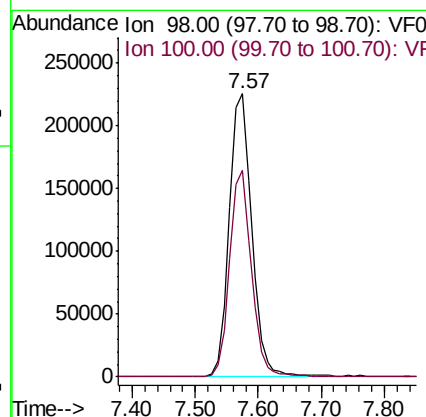
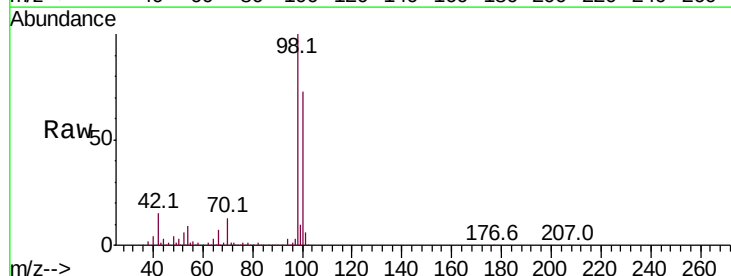
Delta R.T. 0.01 min

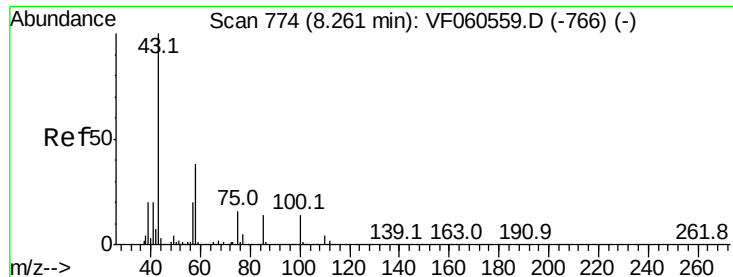
Lab File: VF060608.D

Acq: 6 Nov 2018 11:29

Tgt Ion: 98 Resp: 560580

Ion	Ratio	Lower	Upper
98	100		
100	73.2	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 1.096 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF060608.D

Acq: 6 Nov 2018 11:29

Instrument :

MSVOA_F

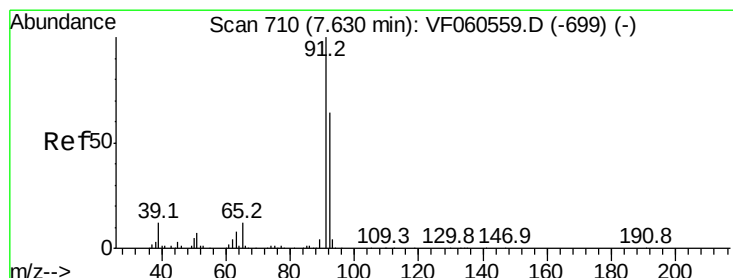
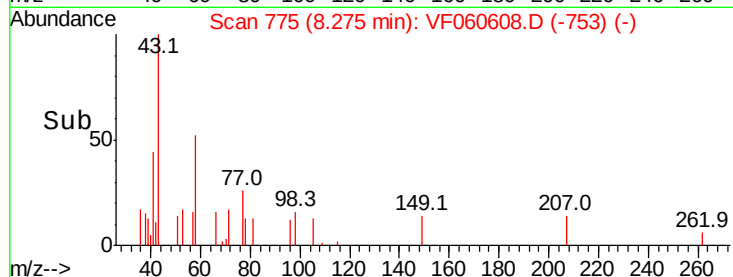
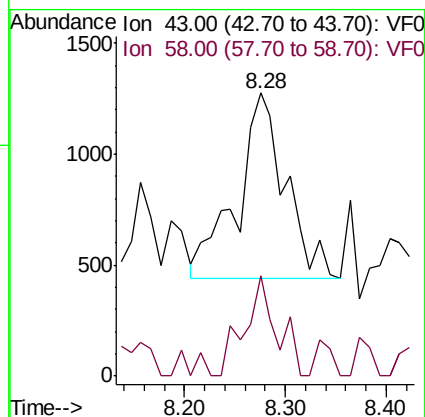
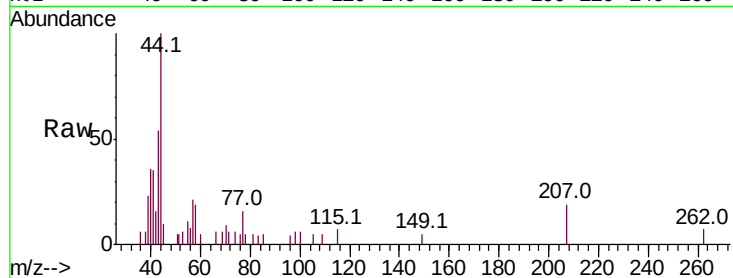
ClientSampled :

Tot Ion: 43 Resp: 2784

Ion Ratio Lower Upper

43 100

58 35.3 30.1 45.1



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.64 min Scan# 711

Delta R.T. 0.02 min

Lab File: VF060608.D

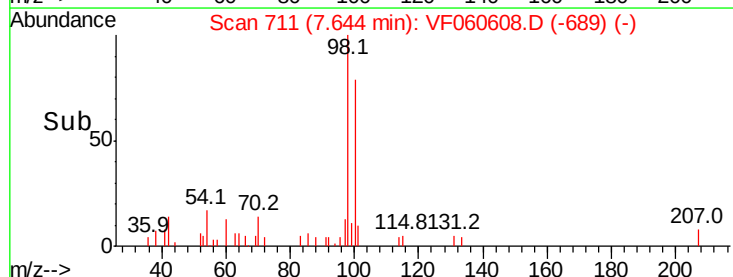
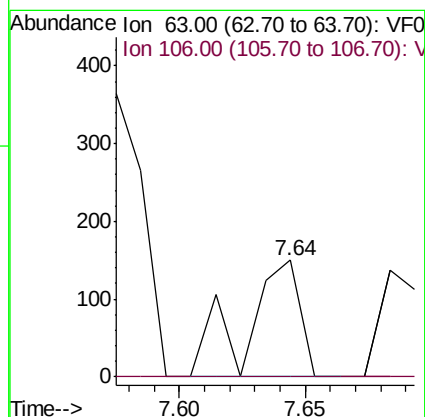
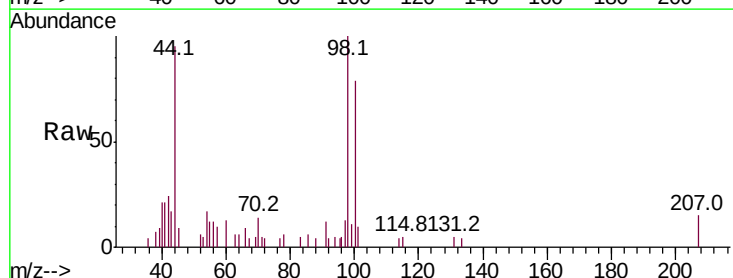
Acq: 6 Nov 2018 11:29

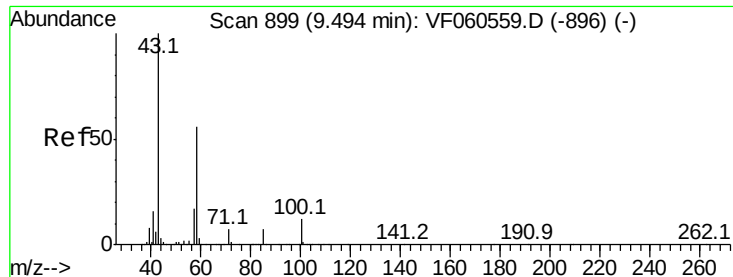
Tgt Ion: 63 Resp: 225

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

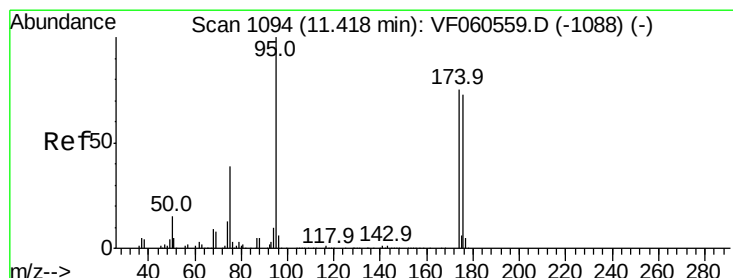
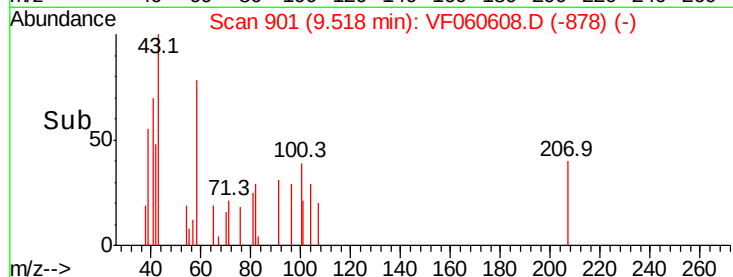
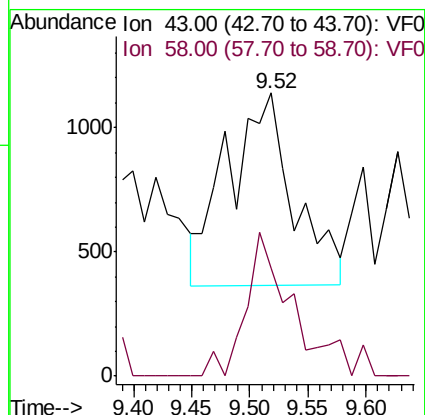
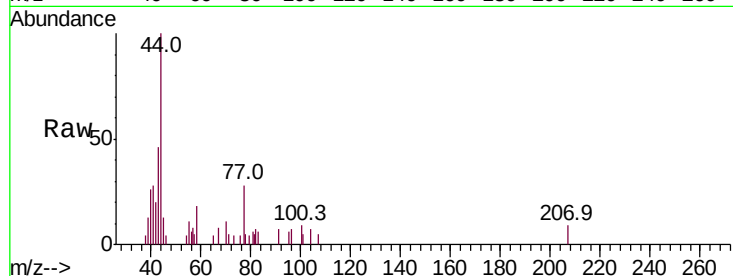




#59
2-Hexanone
Concen: Below Cal
RT: 9.52 min Scan# 901
Delta R.T. 0.02 min
Lab File: VF060608.D
Acq: 6 Nov 2018 11:29

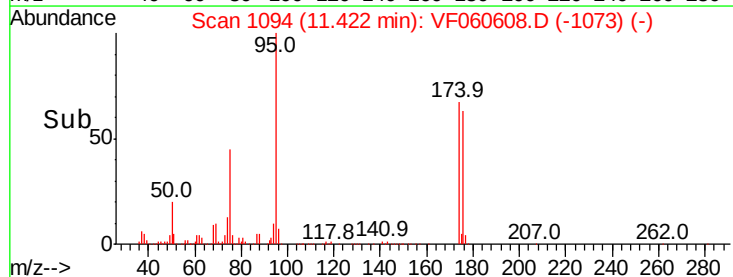
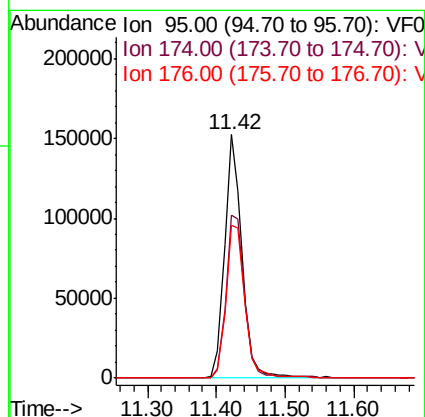
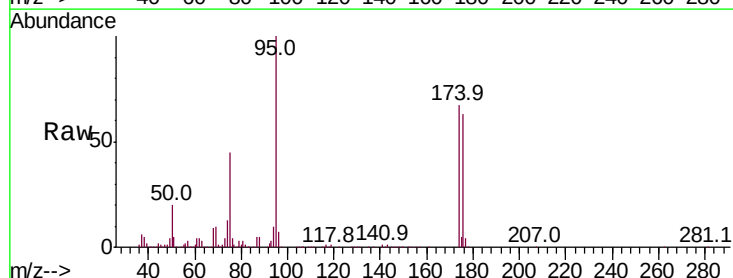
Instrument :
MSVOA_F
ClientSampleId :

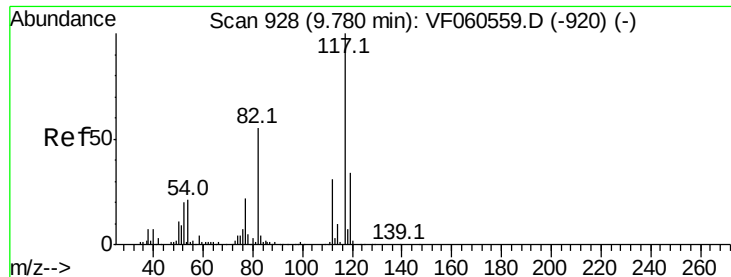
Tot Ion: 43 Resp: 3048
Ion Ratio Lower Upper
43 100
58 38.1 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 47.083 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF060608.D
Acq: 6 Nov 2018 11:29

Tgt Ion: 95 Resp: 266355
Ion Ratio Lower Upper
95 100
174 66.9 0.0 149.0
176 63.0 0.0 145.6

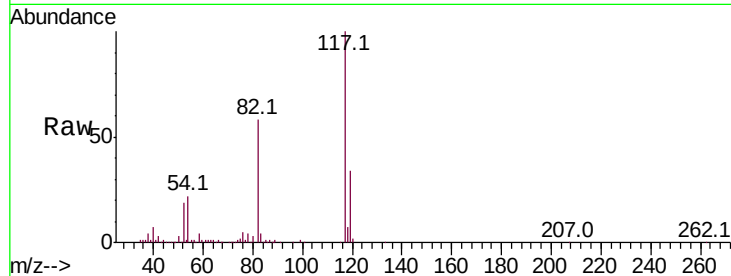




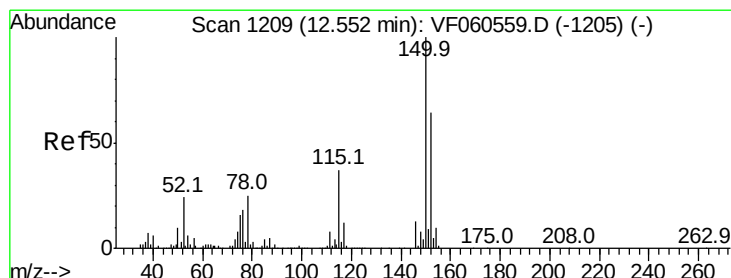
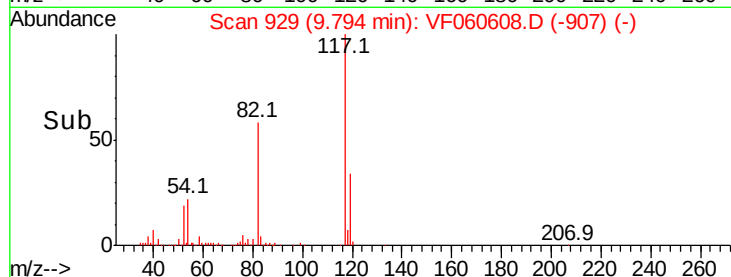
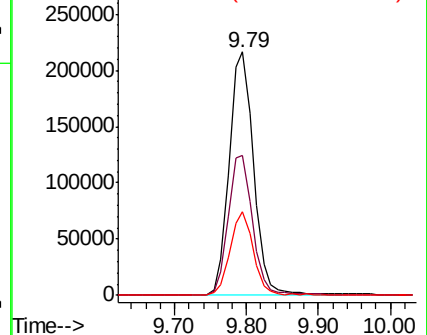
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF060608.D
Acq: 6 Nov 2018 11:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	43.9	65.9
119	34.4	27.4	41.0

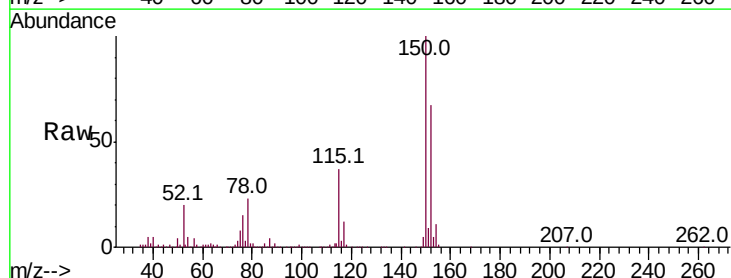


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

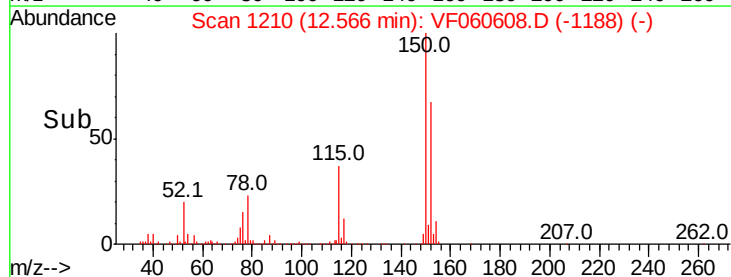
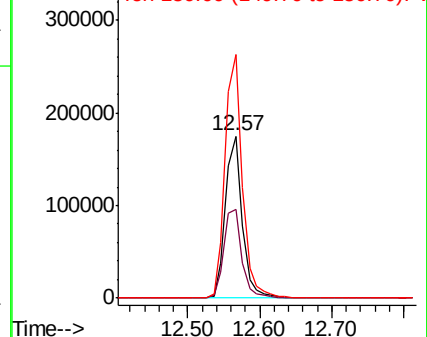


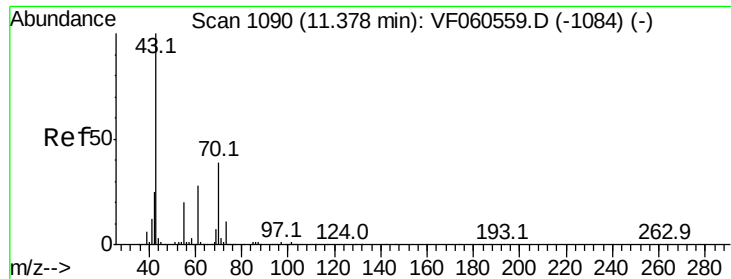
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF060608.D
Acq: 6 Nov 2018 11:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	29.6	88.8
150	150.1	0.0	315.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#74
 N-amvl acetate
 Concen: Below Cal
 RT: 11.37 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VF060608.D
 Acq: 6 Nov 2018 11:29

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:	43	Resp:	1532
Ion	Ratio	Lower	Upper
43	100		
70	18.9	30.9	46.3#
55	29.6	16.6	24.8#
61	0.0	22.0	33.0#

