

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060928.D
 Acq On : 6 Dec 2018 20:29
 Operator : VA/AP
 Sample : J6214-23
 Misc : 4.45g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 07 00:24:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

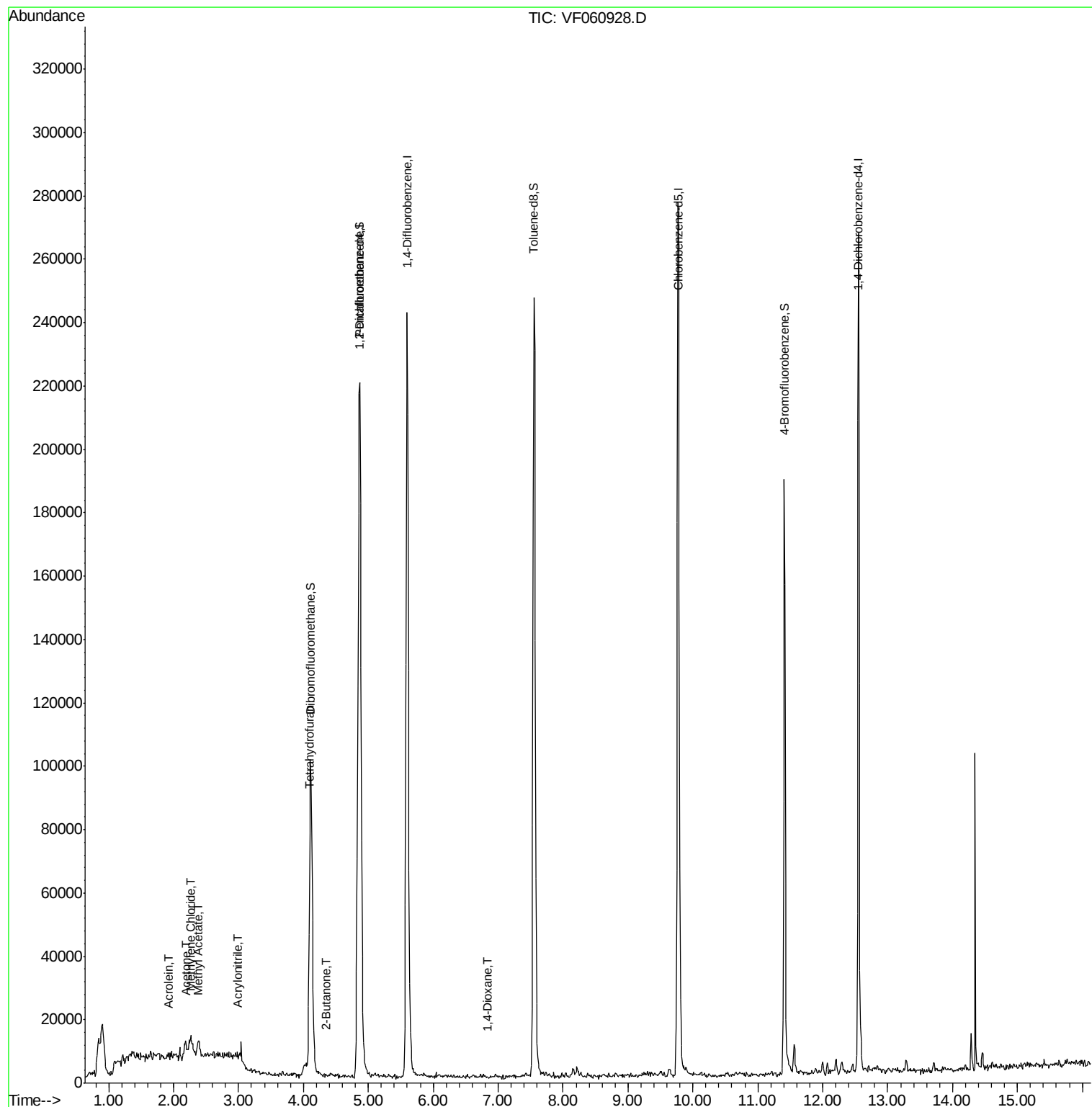
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	164039	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	268526	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	202042	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	66034	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	92860	48.05	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	96.10%	
35) Dibromofluoromethane	4.11	113	91768	43.08	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	86.16%	
50) Toluene-d8	7.55	98	209230	33.34	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	66.68%	
62) 4-Bromofluorobenzene	11.41	95	71041	24.91	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	49.82%	
Target Compounds						
					Qvalue	
13) Acrolein	1.91	56	449	5.982	ug/l	100
15) Acrylonitrile	2.98	53	470	2.646	ug/l #	35
16) Acetone	2.19	43	1207	3.387	ug/l	98
18) Methyl Acetate	2.37	43	2287	2.249	ug/l #	61
20) Methylene Chloride	2.26	84	4689	3.587	ug/l #	78
25) 2-Butanone	4.36	43	1259	2.043	ug/l #	57
29) Tetrahydrofuran	4.09	42	788	3.016	ug/l #	65
41) Methacrylonitrile	4.75	41	254	Below Cal	#	72
43) Isopropyl Acetate	6.92	43	304	Below Cal	#	49
49) 1,4-Dioxane	6.82	88	71	8.855	ug/l #	17
95) Naphthalene	14.46	128	2065	Below Cal	#	87

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060928.D

Acq: 6 Dec 2018 20:29

Instrument :

MSVOA_F

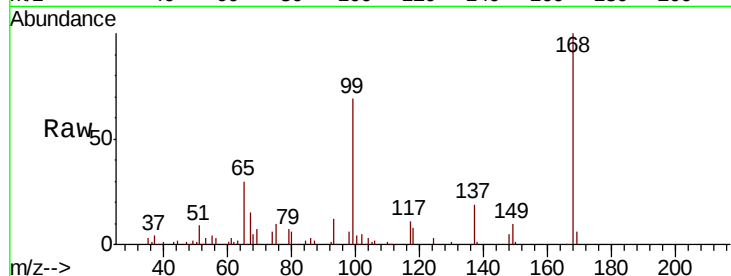
ClientSampleId :

Tot Ion:168 Resp: 164039

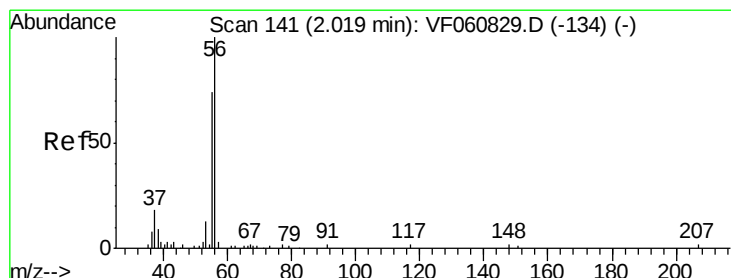
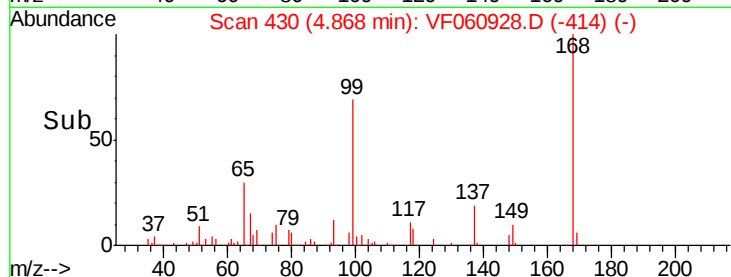
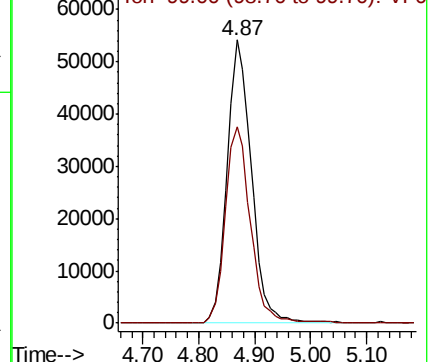
Ion Ratio Lower Upper

168 100

99 69.4 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#13

Acrolein

Concen: 5.982 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.11 min

Lab File: VF060928.D

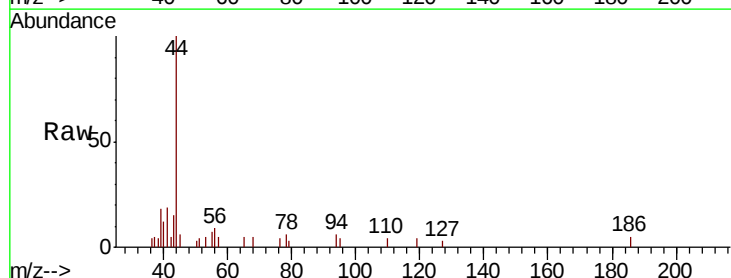
Acq: 6 Dec 2018 20:29

Tgt Ion: 56 Resp: 449

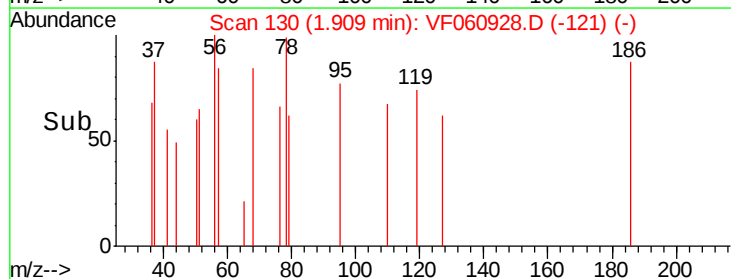
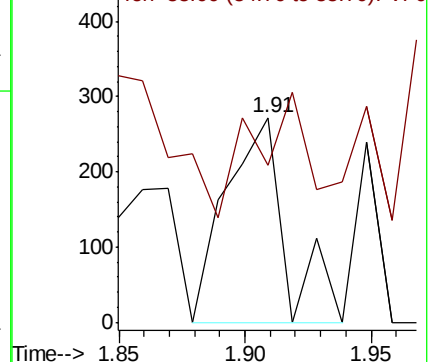
Ion Ratio Lower Upper

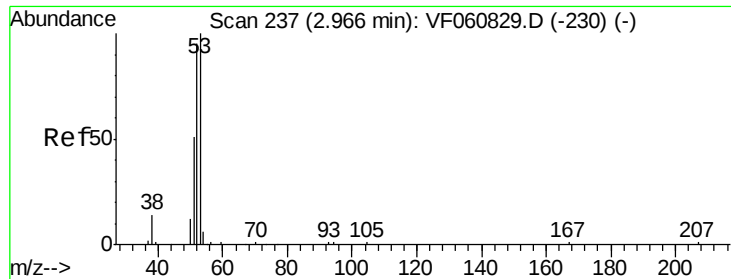
56 100

55 76.5 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0





#15

Acrylonitrile

Concen: 2.646 ug/l

RT: 2.98 min Scan# 239

Delta R.T. 0.02 min

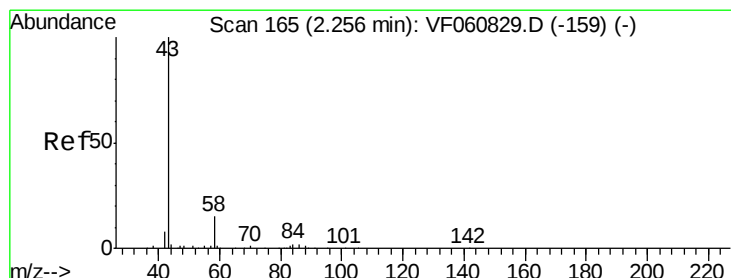
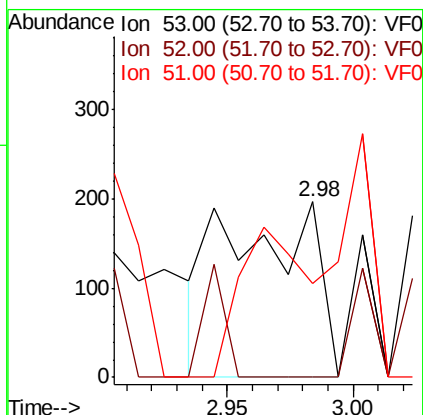
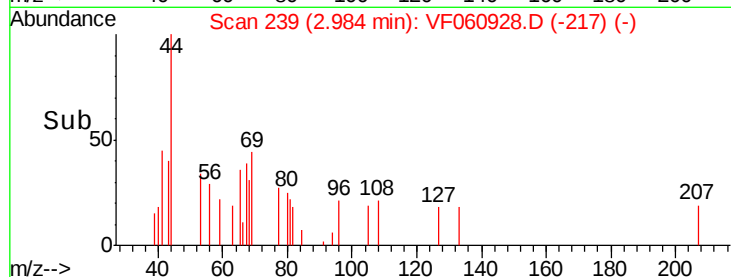
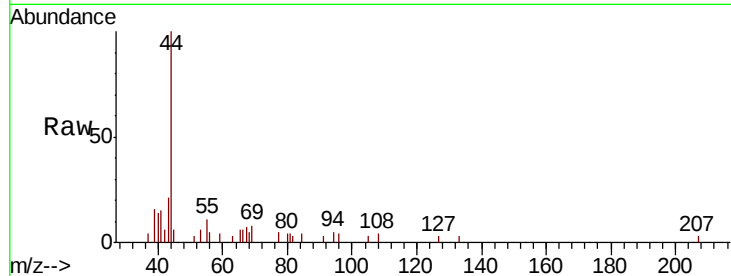
Lab File: VF060928.D

Acq: 6 Dec 2018 20:29

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 53 Resp: 470

Ion	Ratio	Lower	Upper
53	100		
52	0.0	76.5	114.7#
51	53.3	40.7	61.1



#16

Acetone

Concen: 3.387 ug/l

RT: 2.19 min Scan# 159

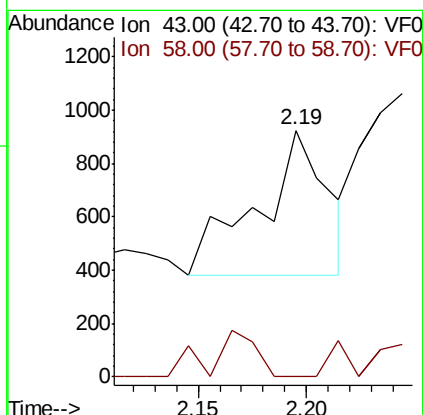
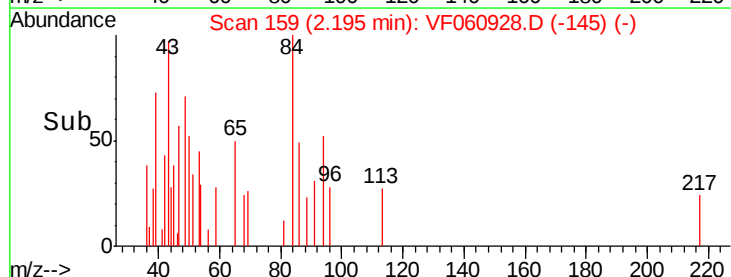
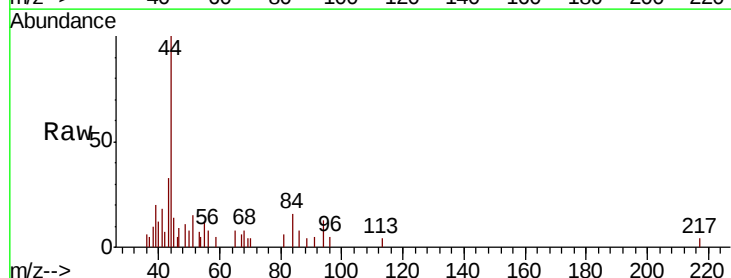
Delta R.T. -0.06 min

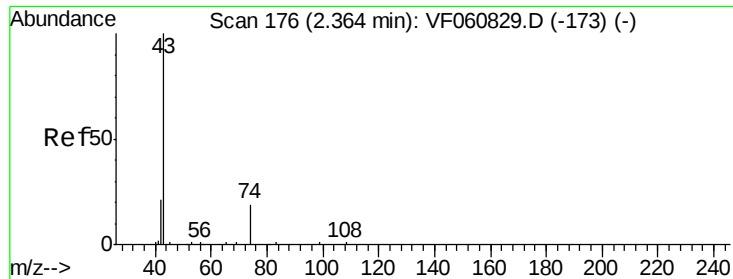
Lab File: VF060928.D

Acq: 6 Dec 2018 20:29

Tgt Ion: 43 Resp: 1207

Ion	Ratio	Lower	Upper
43	100		
58	13.6	11.4	17.2

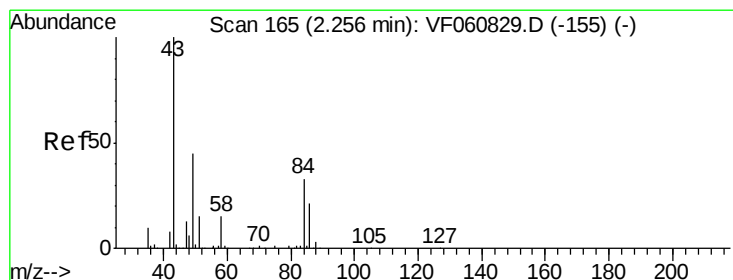
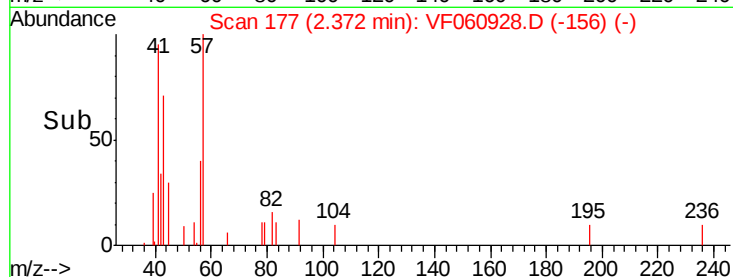
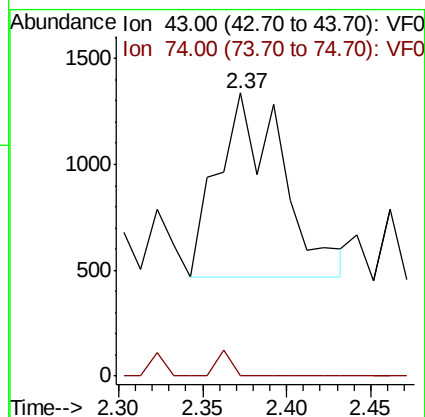
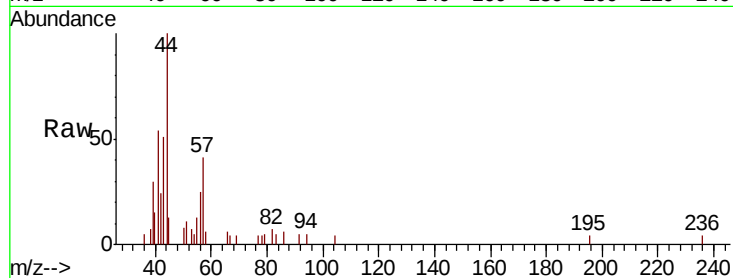




#18
Methyl Acetate
Concen: 2.249 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF060928.D
Acq: 6 Dec 2018 20:29

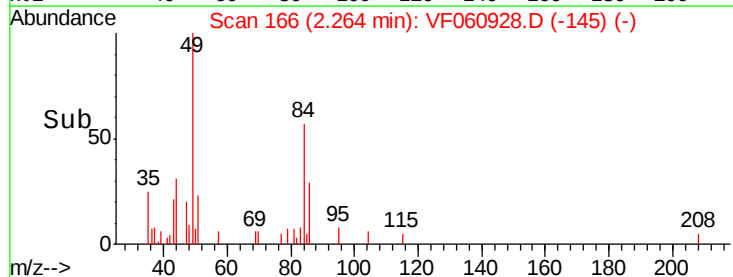
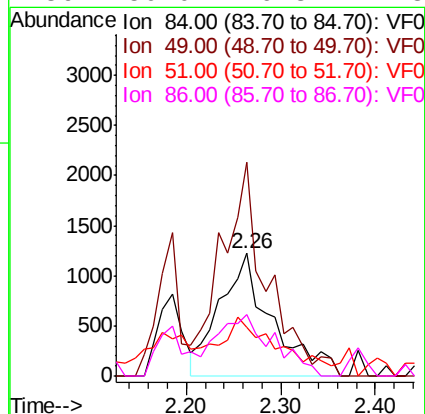
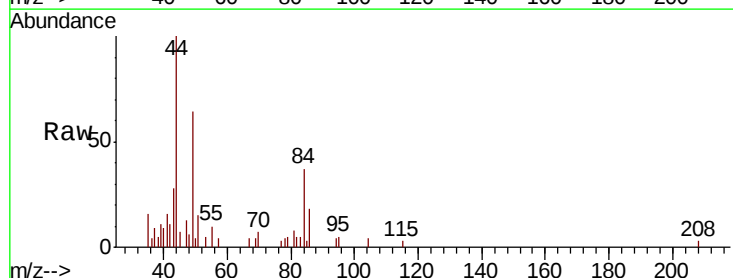
Instrument :
MSVOA_F
ClientSampled :

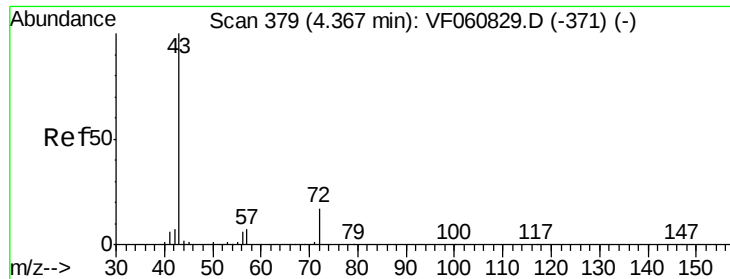
Tot Ion: 43 Resp: 2287
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#20
Methylene Chloride
Concen: 3.587 ug/l
RT: 2.26 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060928.D
Acq: 6 Dec 2018 20:29

Tgt Ion: 84 Resp: 4689
Ion Ratio Lower Upper
84 100
49 174.0 111.3 166.9#
51 39.3 38.0 57.0
86 50.0 49.8 74.8

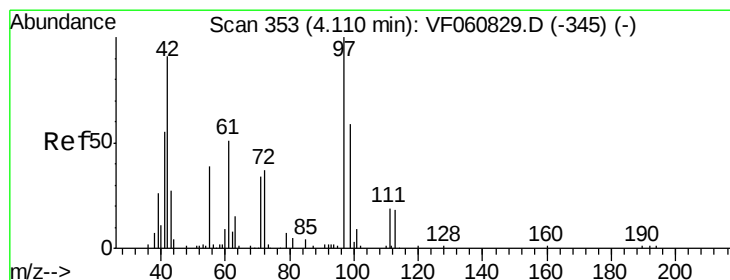
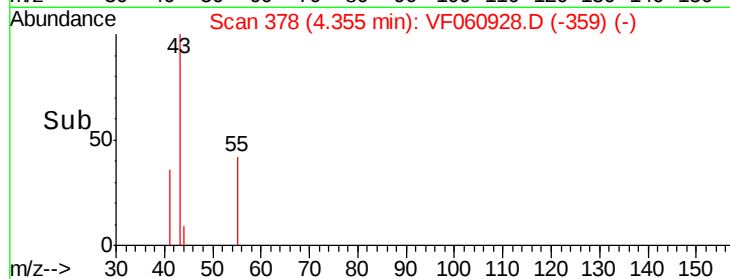
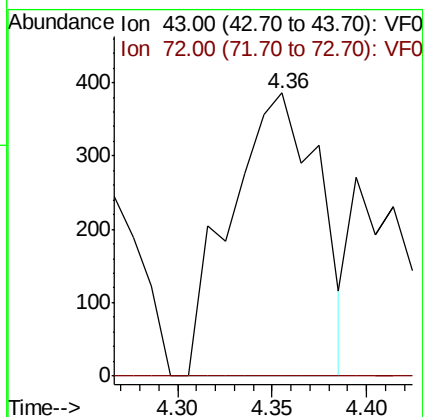
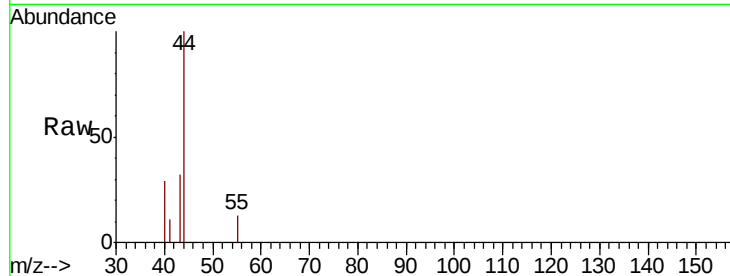




#25
2-Butanone
Concen: 2.043 ug/l
RT: 4.36 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF060928.D
Acq: 6 Dec 2018 20:29

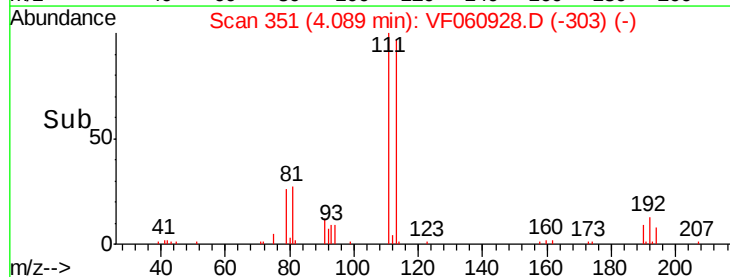
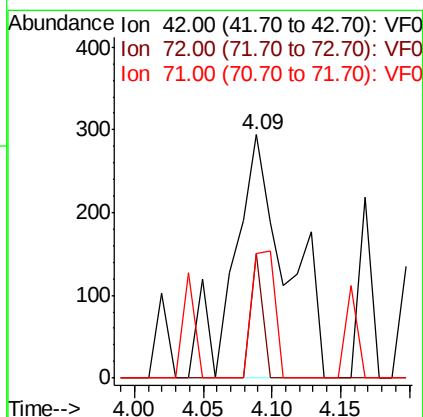
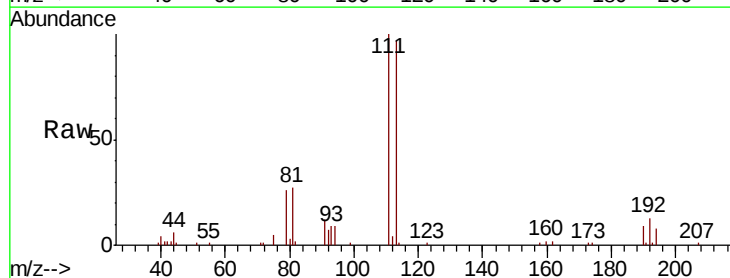
Instrument :
MSVOA_F
ClientSampled :

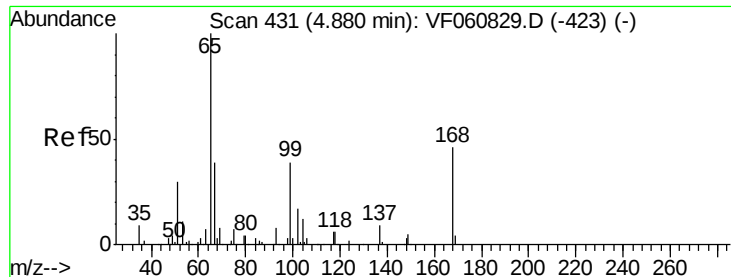
Tot Ion: 43 Resp: 1259
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#



#29
Tetrahydrofuran
Concen: 3.016 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF060928.D
Acq: 6 Dec 2018 20:29

Tgt Ion: 42 Resp: 788
Ion Ratio Lower Upper
42 100
72 11.3 31.9 47.9#
71 22.7 28.7 43.1#





#33

1,2-Dichloroethane-d4

Concen: 48.053 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF060928.D

Acq: 6 Dec 2018 20:29

Instrument :

MSVOA_F

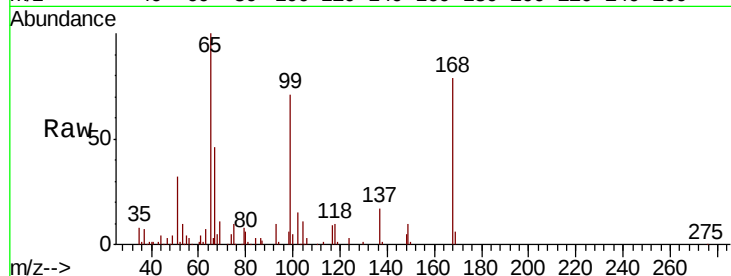
ClientSampleId :

Tot Ion: 65 Resp: 92860

Ion Ratio Lower Upper

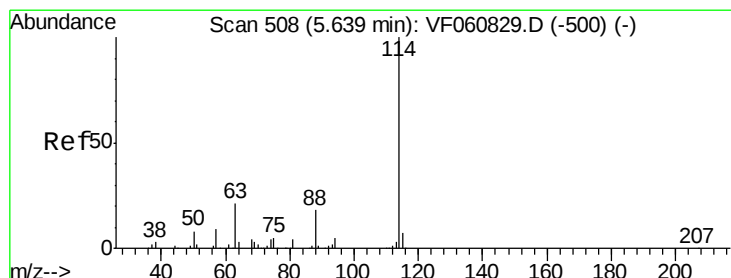
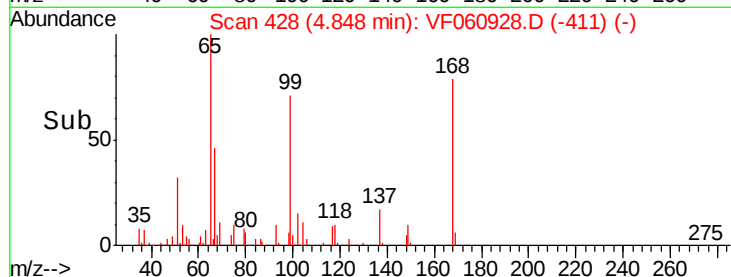
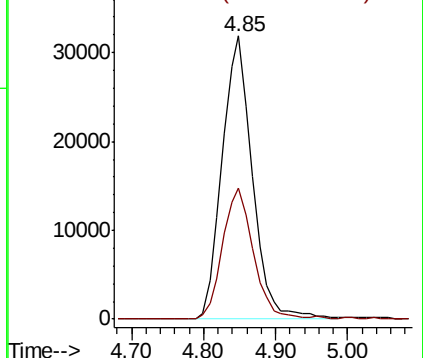
65 100

67 46.5 0.0 96.4



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: 5.60 min Scan# 504

Delta R.T. -0.04 min

Lab File: VF060928.D

Acq: 6 Dec 2018 20:29

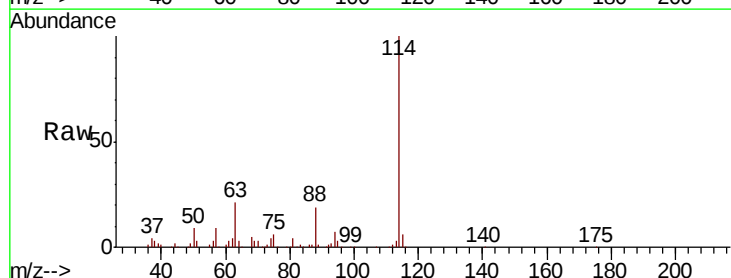
Tgt Ion: 114 Resp: 268526

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.6

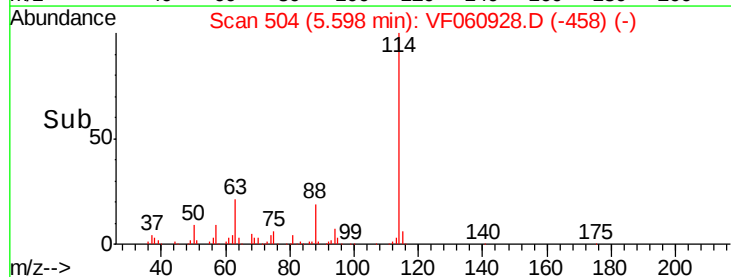
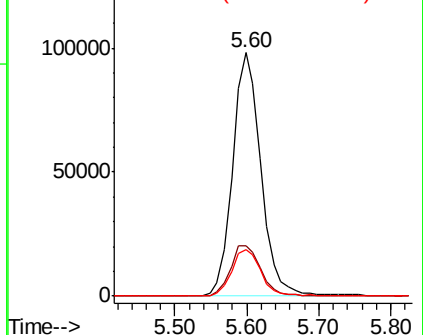
88 19.3 0.0 36.6

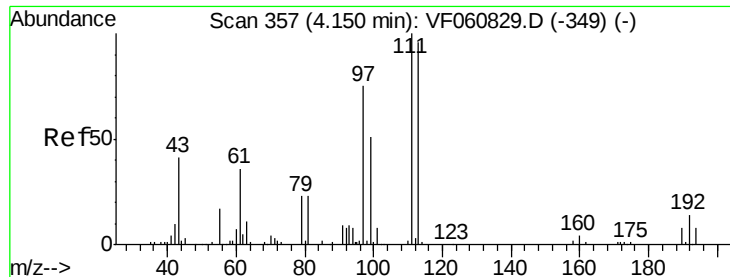


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 43.078 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060928.D

Acq: 6 Dec 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :

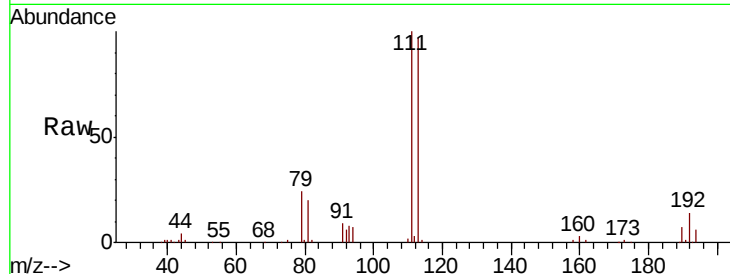
Tot Ion:113 Resp: 91768

Ion Ratio Lower Upper

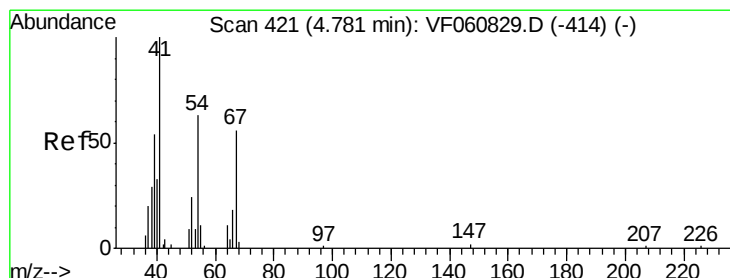
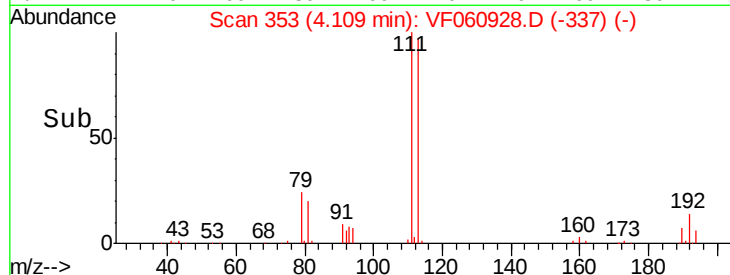
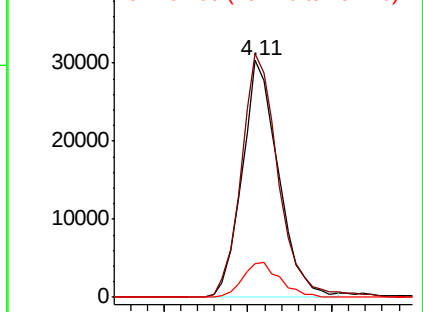
113 100

111 102.9 83.0 124.6

192 14.4 12.3 18.5



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. -0.03 min

Lab File: VF060928.D

Acq: 6 Dec 2018 20:29

Tgt Ion: 41 Resp: 254

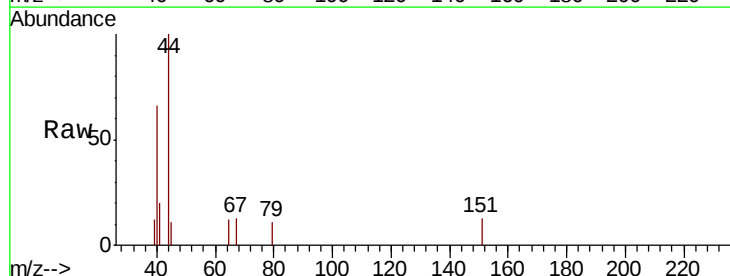
Ion Ratio Lower Upper

41 100

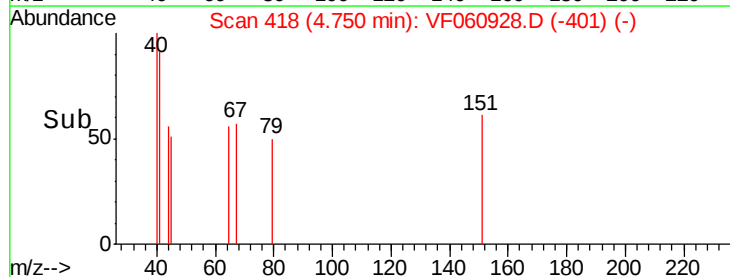
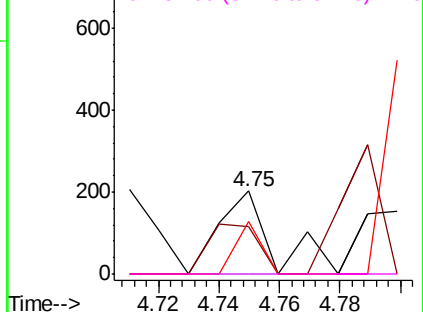
39 57.4 53.0 79.6

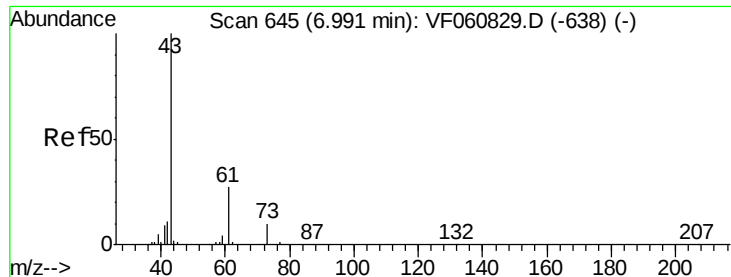
67 62.9 43.8 65.6

52 0.0 37.8 56.8#



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



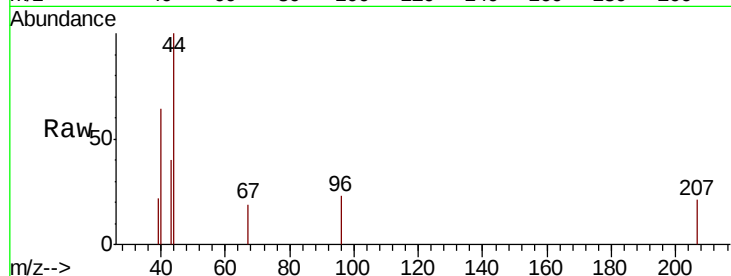


#43

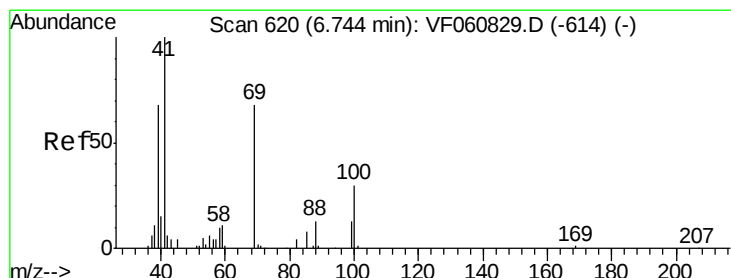
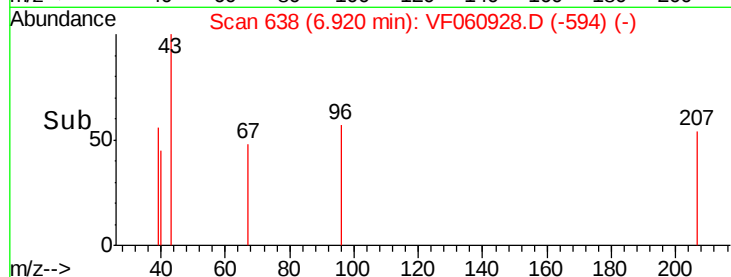
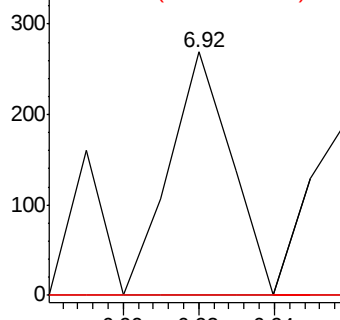
Isopropyl Acetate
 Concen: Below Cal
 RT: 6.92 min Scan# 638
 Delta R.T. -0.07 min
 Lab File: VF060928.D
 Acq: 6 Dec 2018 20:29

Instrument :
 MSVOA_F
 ClientSampleID :

Tot Ion: 43 Resp: 304
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#



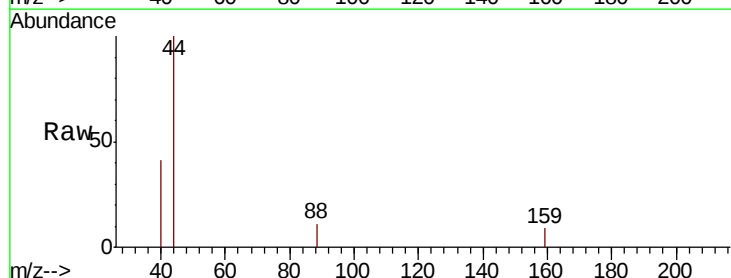
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



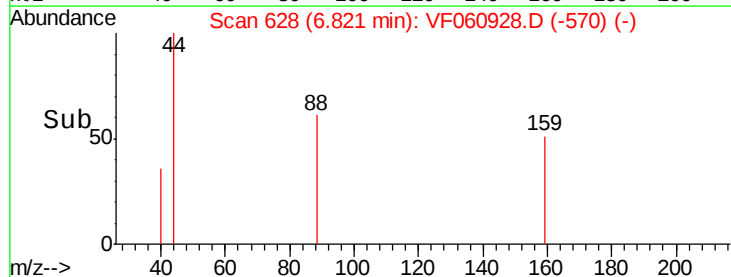
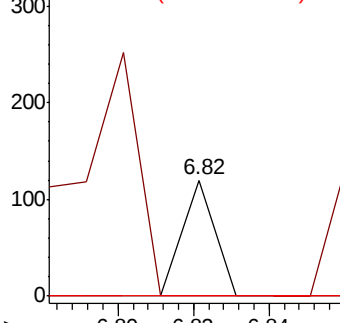
#49

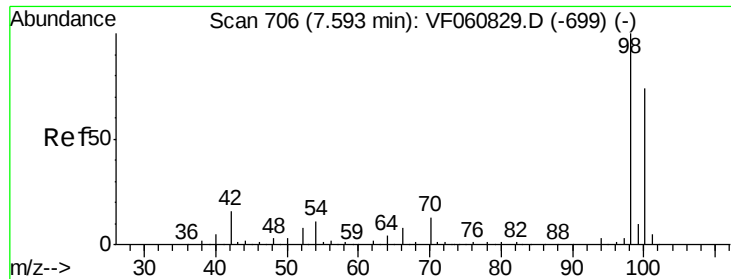
1,4-Dioxane
 Concen: 8.855 ug/l
 RT: 6.82 min Scan# 628
 Delta R.T. 0.08 min
 Lab File: VF060928.D
 Acq: 6 Dec 2018 20:29

Tgt Ion: 88 Resp: 71
 Ion Ratio Lower Upper
 88 100
 43 0.0 42.0 63.0#
 58 0.0 61.8 92.8#



Abundance Ion 88.00 (87.70 to 88.70): VF0
 Ion 43.00 (42.70 to 43.70): VF0
 Ion 58.00 (57.70 to 58.70): VF0

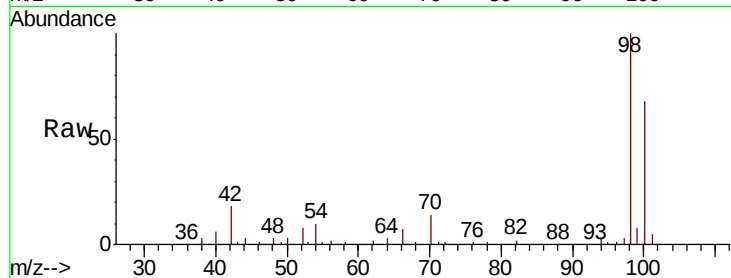




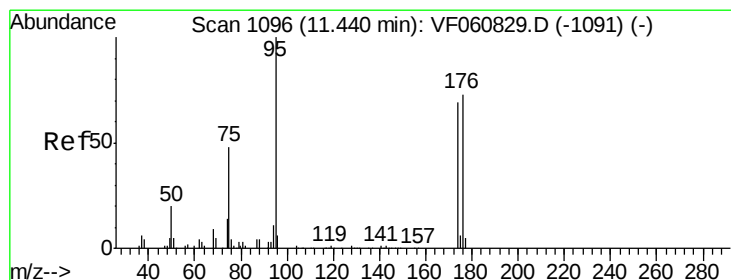
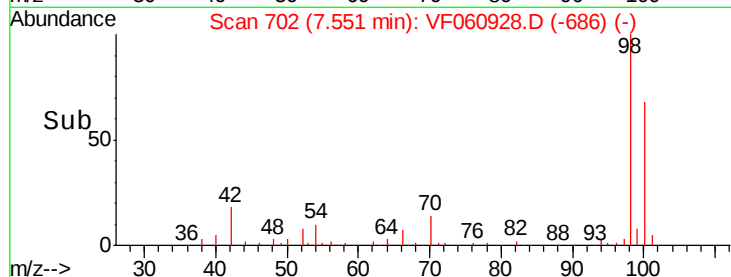
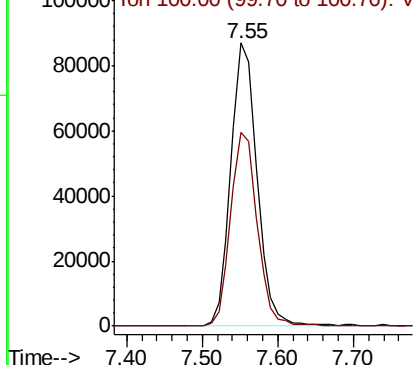
#50
Toluene-d8
Concen: 33.342 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF060928.D
Acq: 6 Dec 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 209230
Ion Ratio Lower Upper
98 100
100 68.3 59.3 88.9

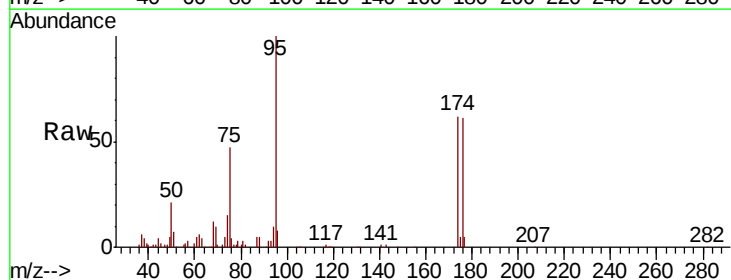


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF

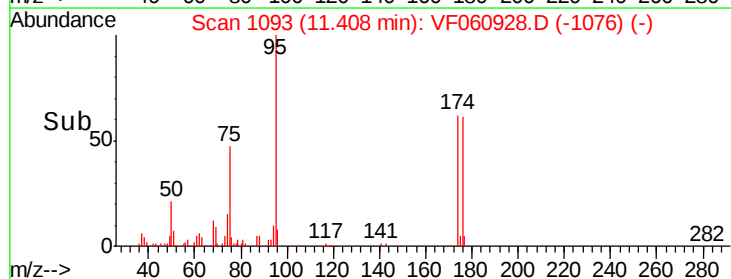
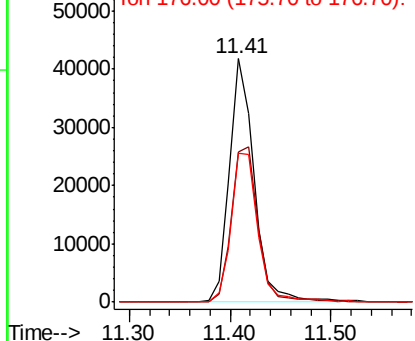


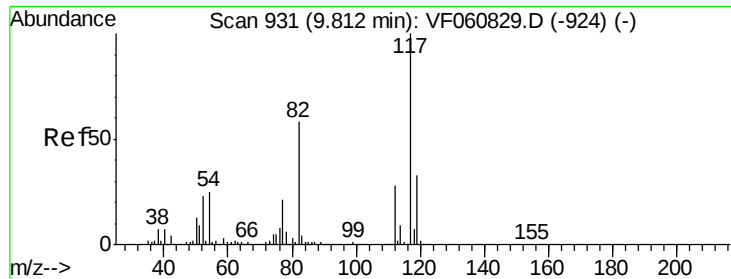
#62
4-Bromofluorobenzene
Concen: 24.909 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF060928.D
Acq: 6 Dec 2018 20:29

Tgt Ion: 95 Resp: 71041
Ion Ratio Lower Upper
95 100
174 61.6 0.0 138.2
176 61.2 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

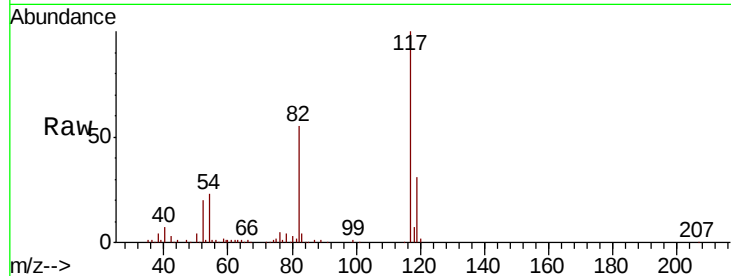




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060928.D
Acq: 6 Dec 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.6	69.8
119	30.7	26.4	39.6

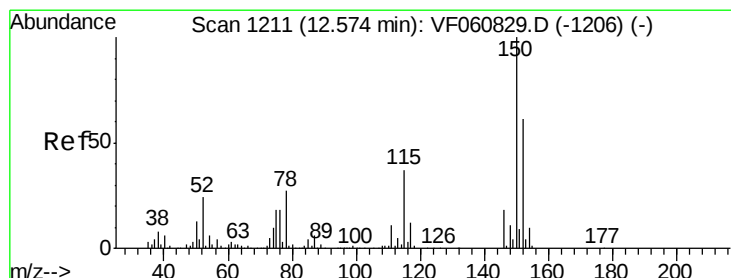
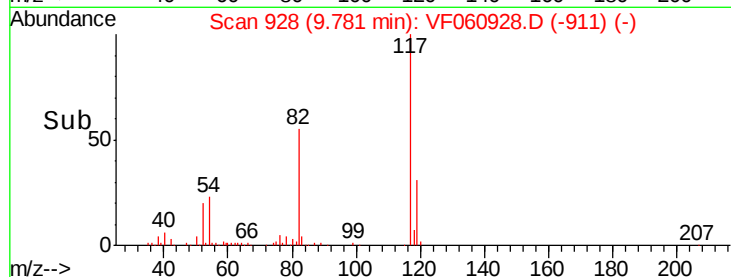
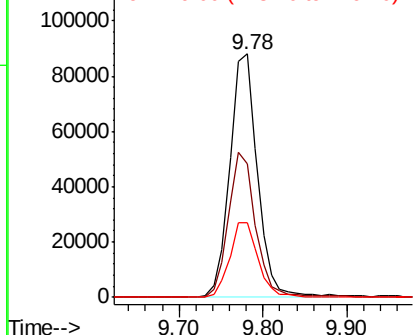


Abundance

Ion 117.00 (116.70 to 117.70): V

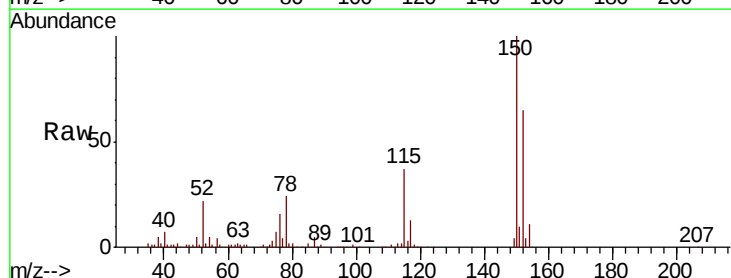
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060928.D
Acq: 6 Dec 2018 20:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	30.1	90.5
150	153.4	0.0	327.6

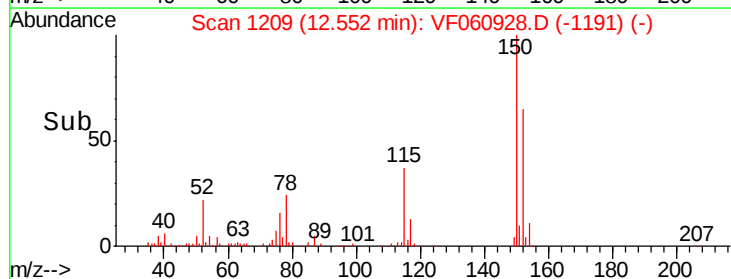
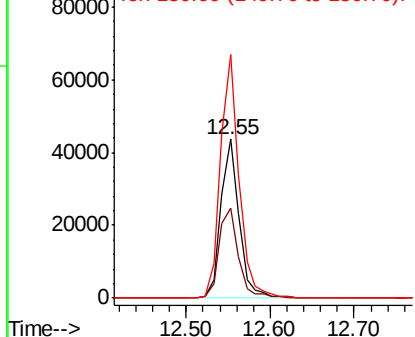


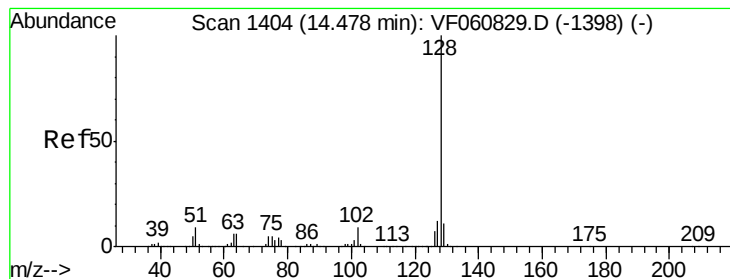
Abundance

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





#95

Napthalene

Concen: Below Cal

RT: 14.46 min Scan# 1402

Delta R.T. -0.02 min

Lab File: VF060928.D

Acq: 6 Dec 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

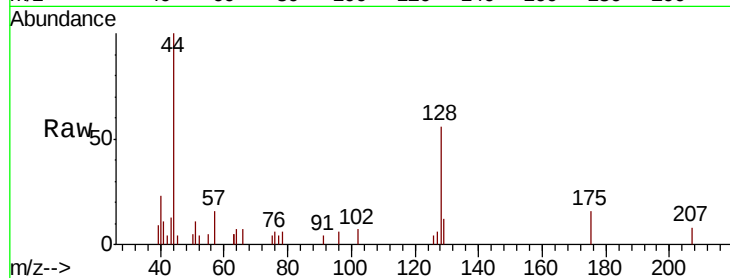
Tot Ion:128 Resp: 2065

Ion Ratio Lower Upper

128 100

127 11.4 9.9 14.9

129 20.9 9.1 13.7#



Abundance Ion 128.00 (127.70 to 128.70): V

2000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

