

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060879.D
 Acq On : 29 Nov 2018 21:08
 Operator : VA/AP
 Sample : J5761-01
 Misc : 4.58g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 AU-06-112918

Quant Time: Nov 30 06:00:46 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	4.88	168	194358	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	335548	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	268354	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	102041	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	116382	50.83	ug/l	-0.02
Spiked Amount			Recovery	=	101.66%	
35) Dibromofluoromethane	4.12	113	126497	47.52	ug/l	-0.03
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	7.56	98	321122	40.95	ug/l	-0.03
Spiked Amount			Recovery	=	81.90%	
62) 4-Bromofluorobenzene	11.42	95	117775	33.05	ug/l	-0.02
Spiked Amount			Recovery	=	66.10%	

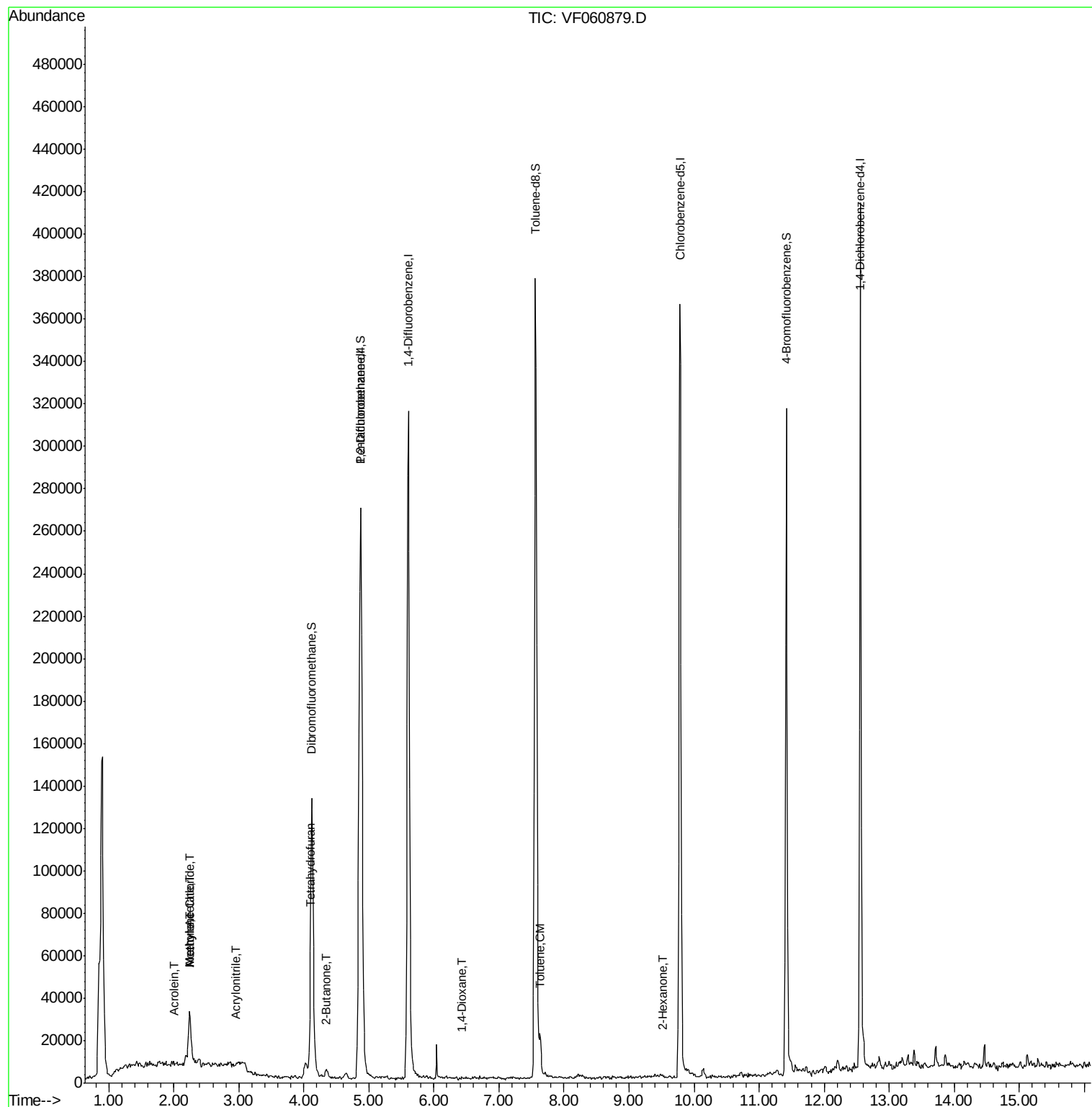
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	1.99	56	556	6.252	ug/l #	1
15) Acrylonitrile	2.94	53	596	2.832	ug/l #	45
16) Acetone	2.24	43	42924	101.664	ug/l #	92
18) Methyl Acetate	2.24	43	39698	56.250	ug/l #	61
20) Methylene Chloride	2.24	84	3184	2.056	ug/l #	73
25) 2-Butanone	4.34	43	8452	11.574	ug/l #	85
29) Tetrahydrofuran	4.09	42	962	3.108	ug/l #	49
41) Methacrylonitrile	4.73	41	589	Below Cal	#	23
43) Isopropyl Acetate	6.98	43	494	Below Cal	#	71
49) 1,4-Dioxane	6.43	88	108	10.779	ug/l #	17
52) Toluene	7.63	92	8778	1.520	ug/l	99
59) 2-Hexanone	9.50	43	1707	1.745	ug/l	77
95) Naphthalene	14.47	128	5258	Below Cal		96

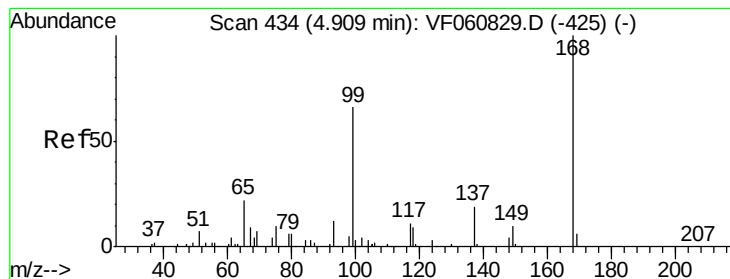
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF060879.D

Acq: 29 Nov 2018 21:08

Instrument :

MSVOA_F

ClientSampleId :

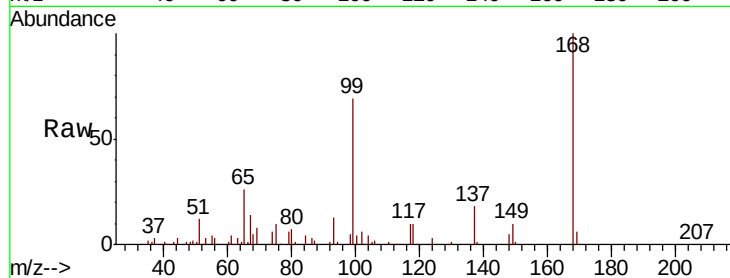
AU-06-112918

Tot Ion:168 Resp: 194358

Ion Ratio Lower Upper

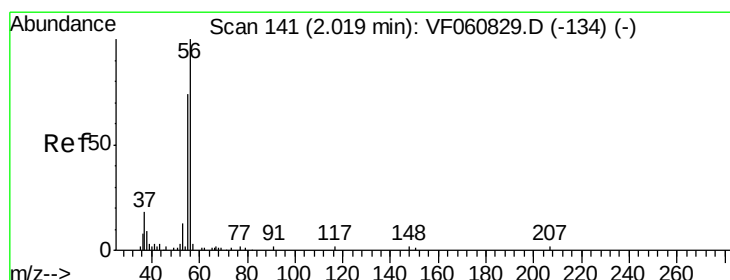
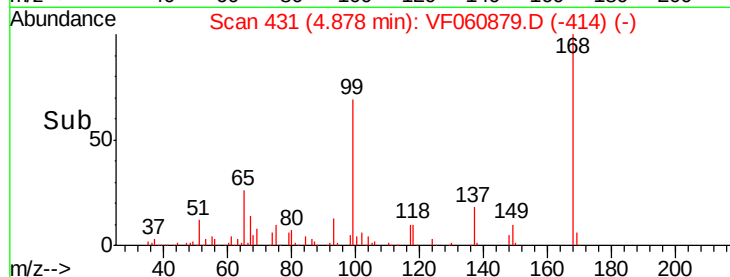
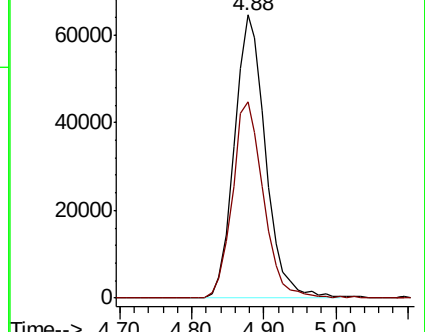
168 100

99 69.2 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#13

Acrolein

Concen: 6.252 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF060879.D

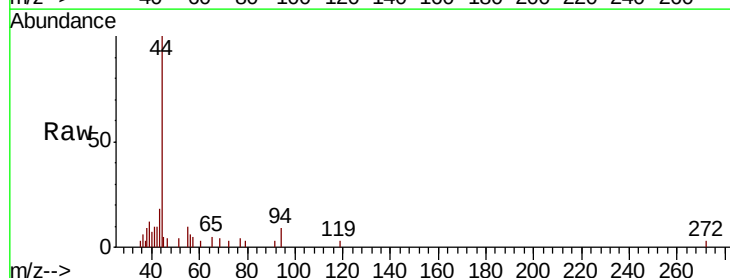
Acq: 29 Nov 2018 21:08

Tgt Ion: 56 Resp: 556

Ion Ratio Lower Upper

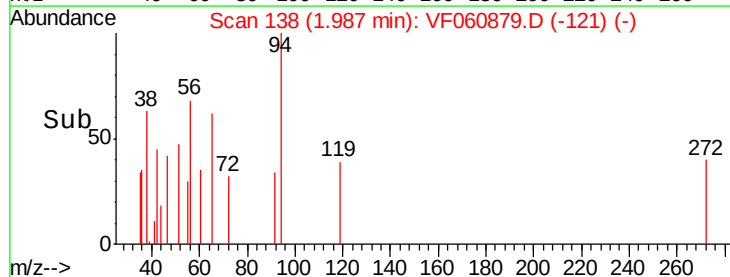
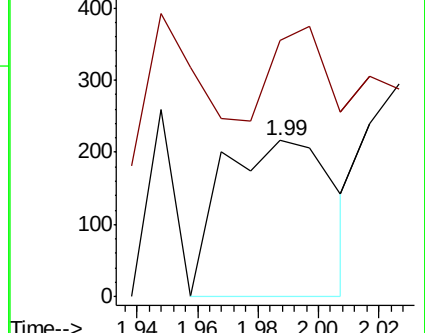
56 100

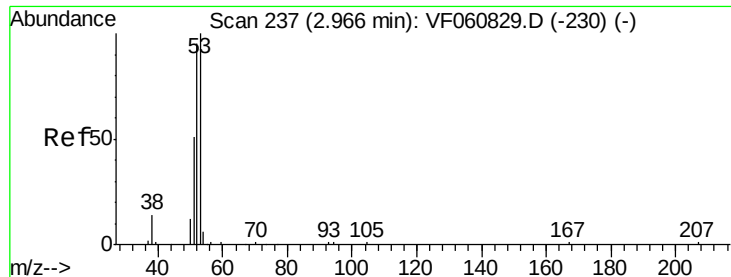
55 163.9 61.2 91.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#15

Acrylonitrile

Concen: 2.832 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF060879.D

Acq: 29 Nov 2018 21:08

Instrument :

MSVOA_F

ClientSampled :

AU-06-112918

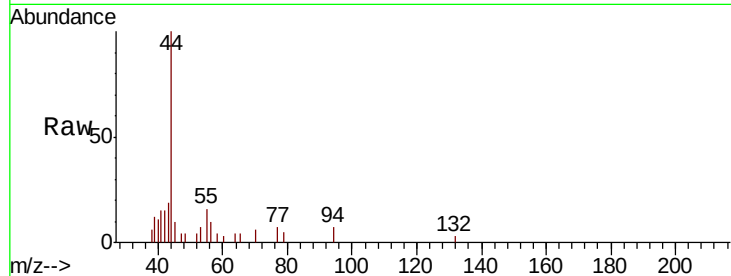
Tot Ion: 53 Resp: 596

Ion Ratio Lower Upper

53 100

52 51.4 76.5 114.7#

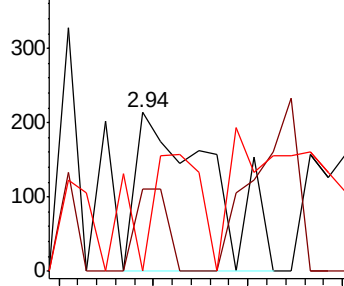
51 0.0 40.7 61.1#



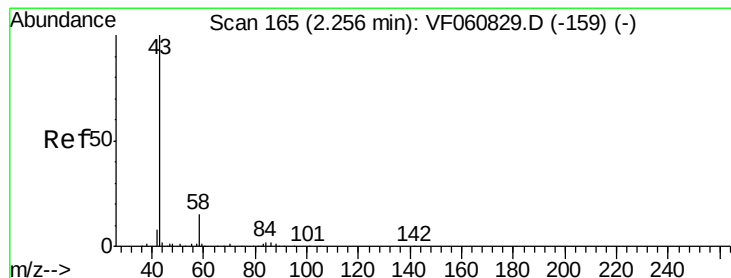
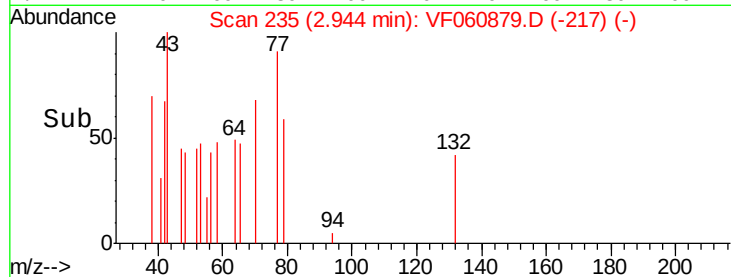
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 101.664 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060879.D

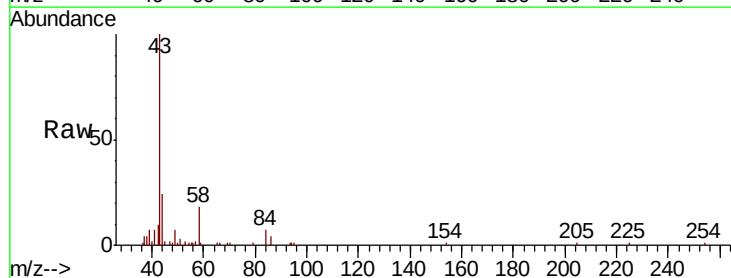
Acq: 29 Nov 2018 21:08

Tgt Ion: 43 Resp: 42924

Ion Ratio Lower Upper

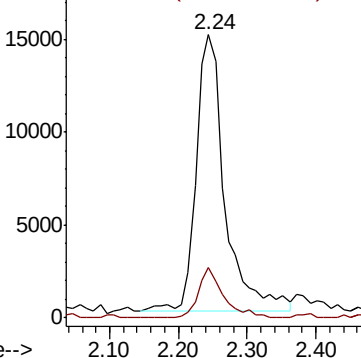
43 100

58 17.6 11.4 17.2#

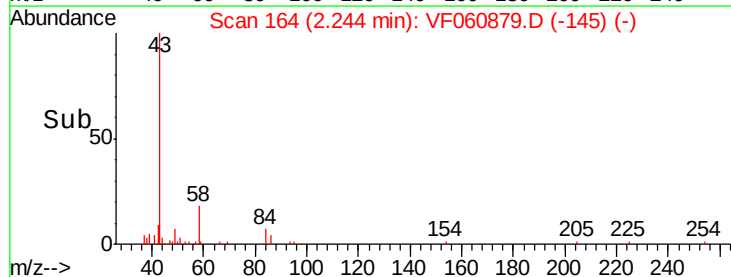


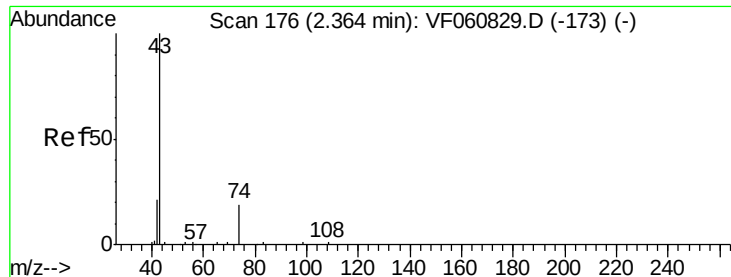
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

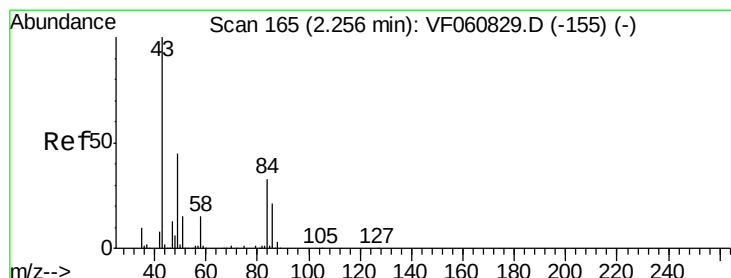
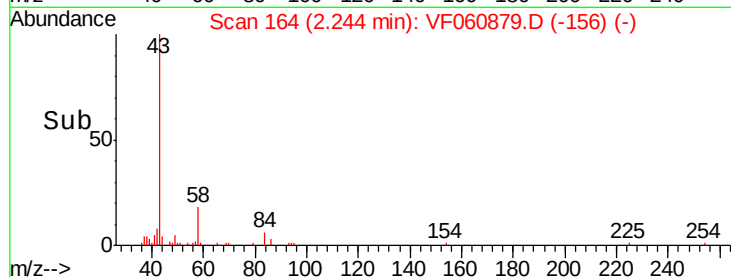
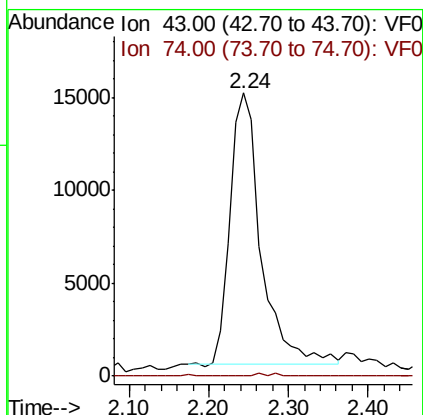
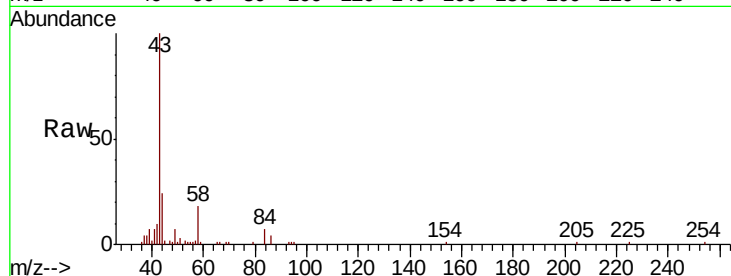




#18
Methyl Acetate
Concen: 56.250 ug/l
RT: 2.24 min Scan# 164
Delta R.T. -0.12 min
Lab File: VF060879.D
Acq: 29 Nov 2018 21:08

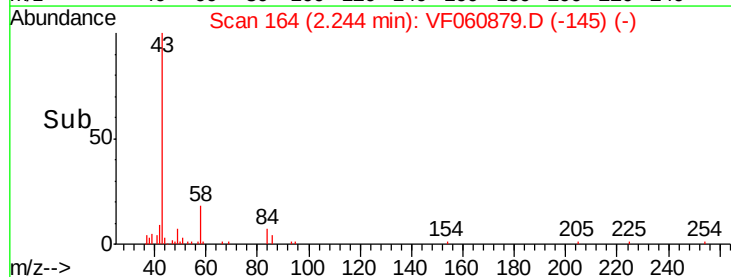
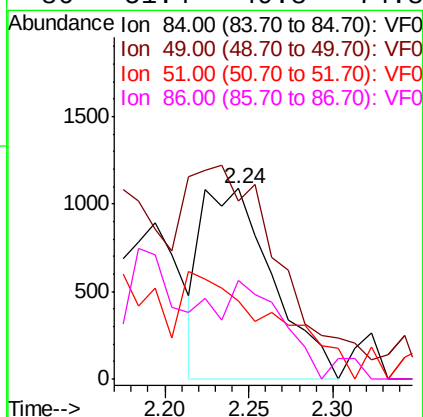
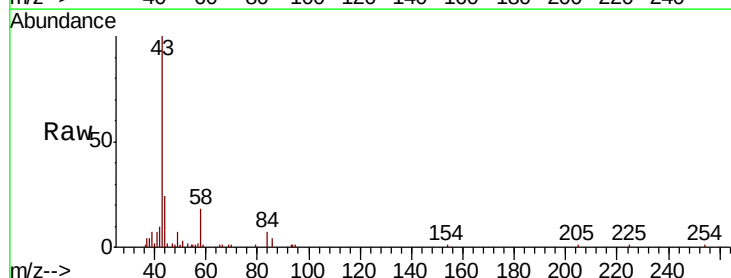
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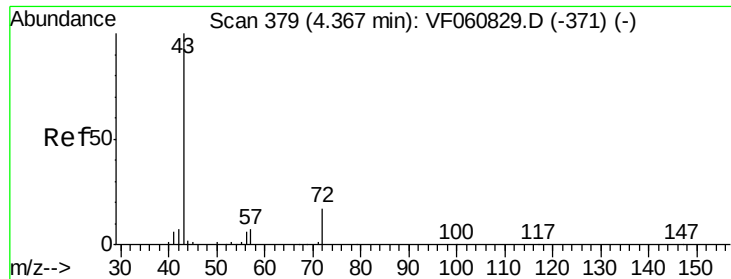
Tot Ion: 43 Resp: 39698
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#20
Methylene Chloride
Concen: 2.056 ug/l
RT: 2.24 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060879.D
Acq: 29 Nov 2018 21:08

Tgt Ion: 84 Resp: 3184
Ion Ratio Lower Upper
84 100
49 93.4 111.3 166.9#
51 40.7 38.0 57.0
86 51.4 49.8 74.8





#25

2-Butanone

Concen: 11.574 ug/l

RT: 4.34 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF060879.D

Acq: 29 Nov 2018 21:08

Instrument :

MSVOA_F

ClientSampleId :

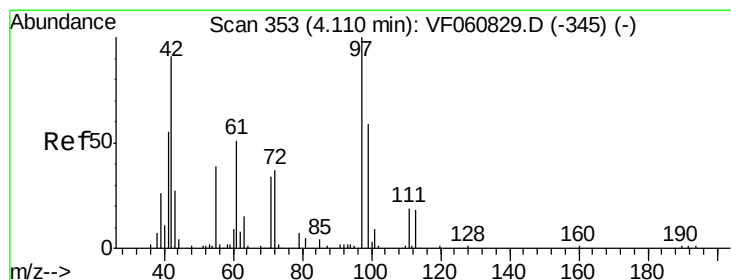
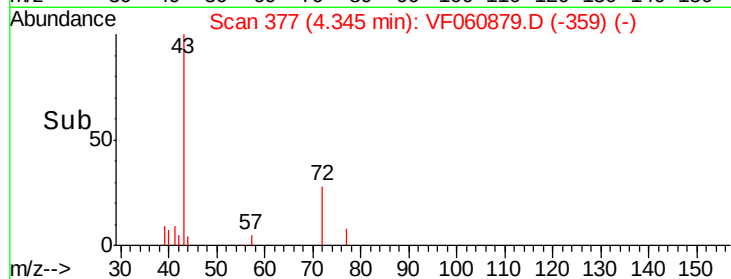
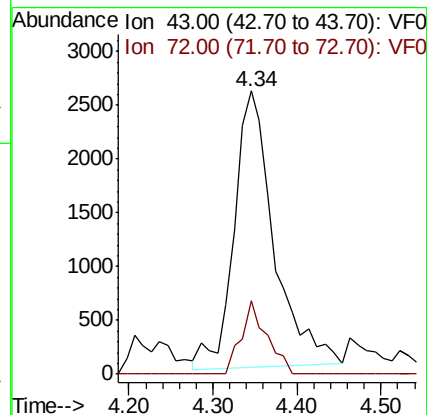
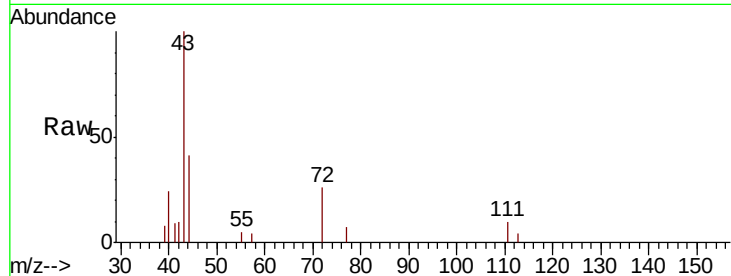
AU-06-112918

Tot Ion: 43 Resp: 8452

Ion Ratio Lower Upper

43 100

72 26.0 15.4 23.2#



#29

Tetrahydrofuran

Concen: 3.108 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF060879.D

Acq: 29 Nov 2018 21:08

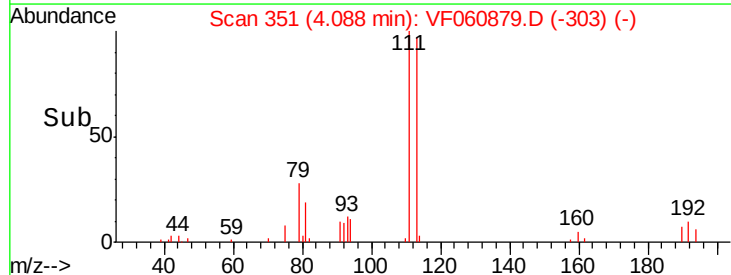
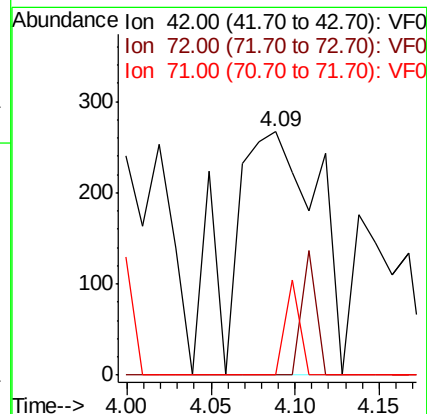
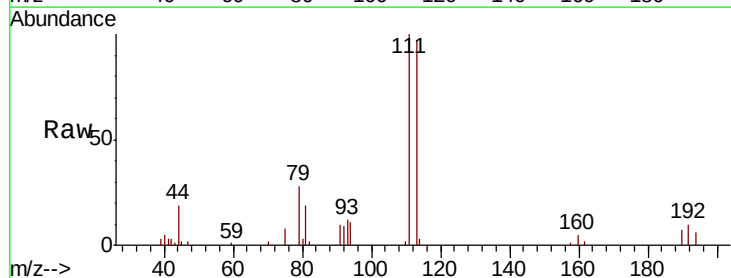
Tgt Ion: 42 Resp: 962

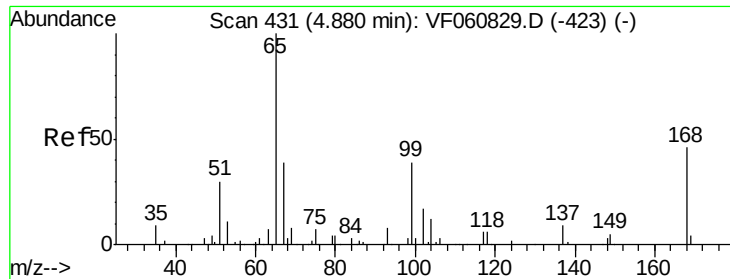
Ion Ratio Lower Upper

42 100

72 8.4 31.9 47.9#

71 6.4 28.7 43.1#

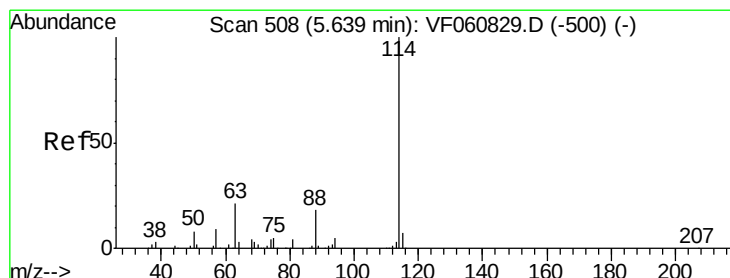
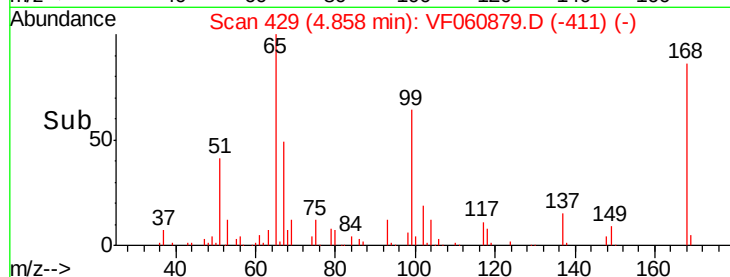
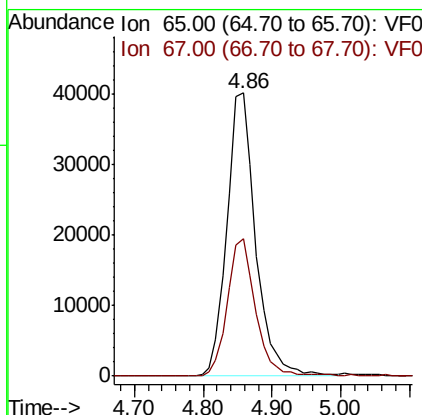
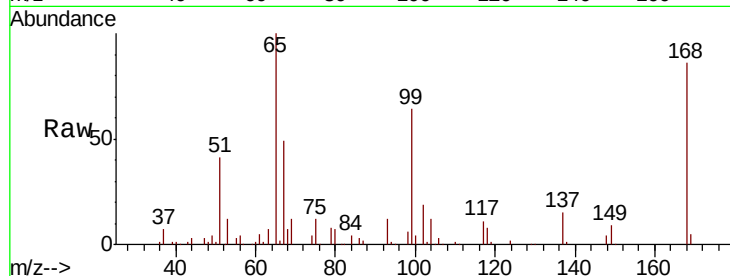




#33
 1,2-Dichloroethane-d4
 Concen: 50.831 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.02 min
 Lab File: VF060879.D
 Acq: 29 Nov 2018 21:08

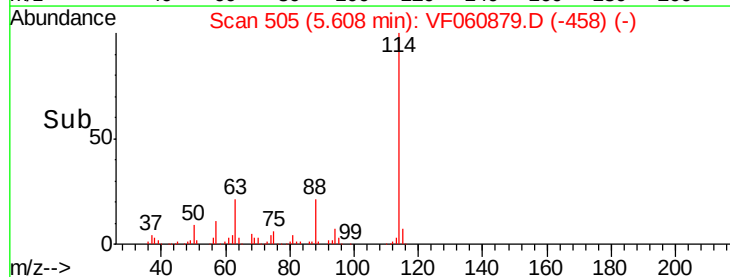
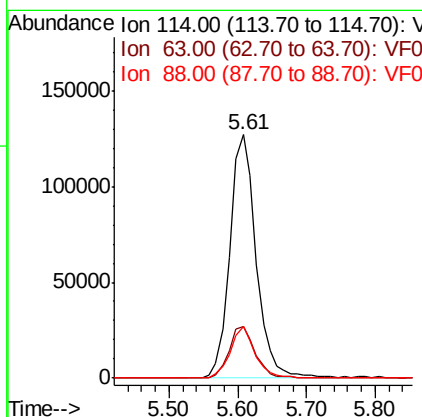
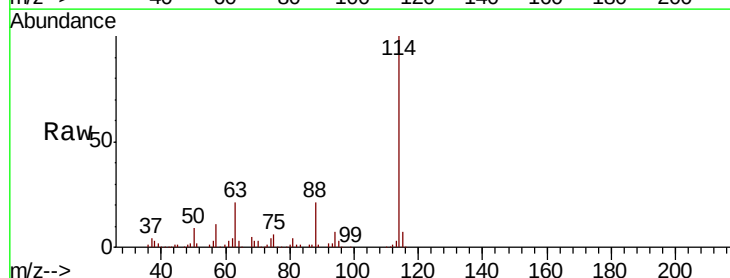
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 AU-06-112918

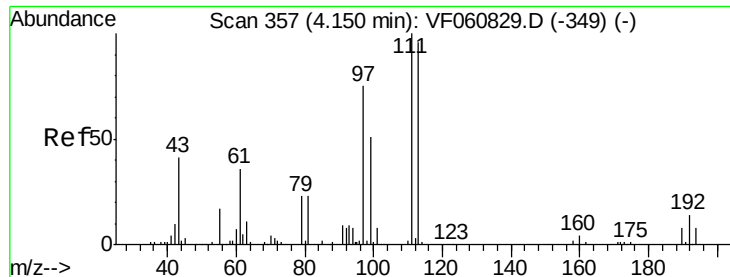
Tot Ion: 65 Resp: 116382
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.03 min
 Lab File: VF060879.D
 Acq: 29 Nov 2018 21:08

Tgt Ion: 114 Resp: 335548
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.6
 88 21.0 0.0 36.6

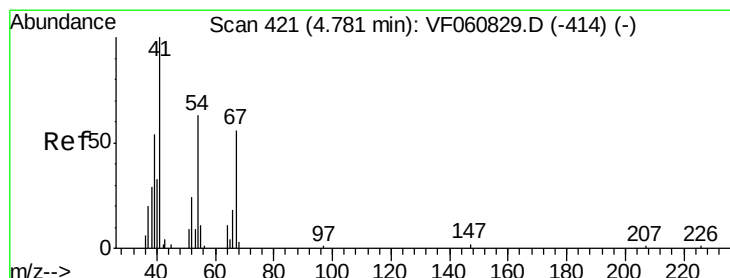
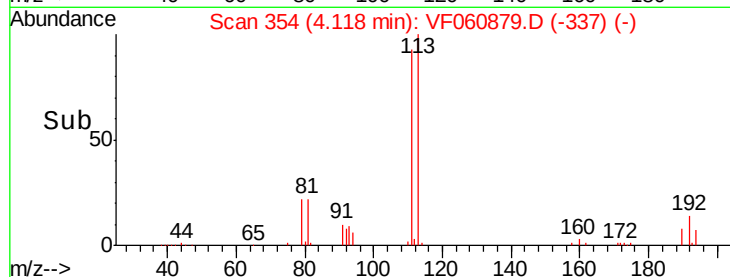
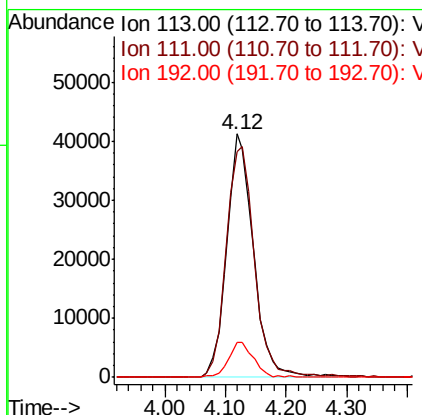
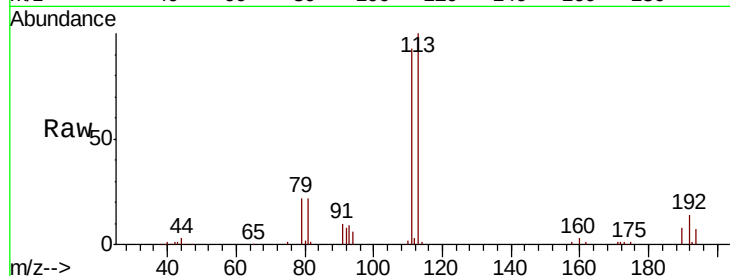




#35
Dibromofluoromethane
Concen: 47.520 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF060879.D
Acq: 29 Nov 2018 21:08

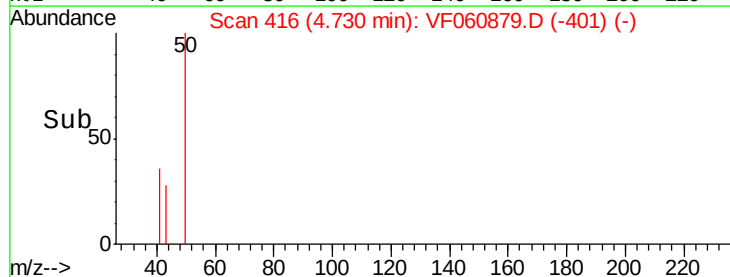
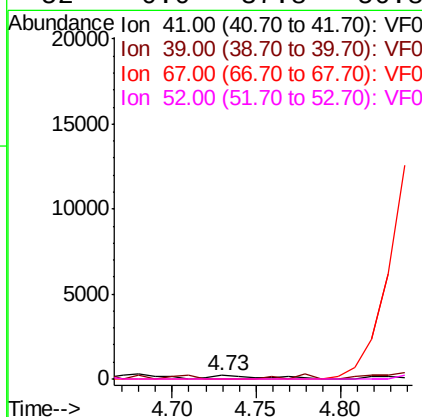
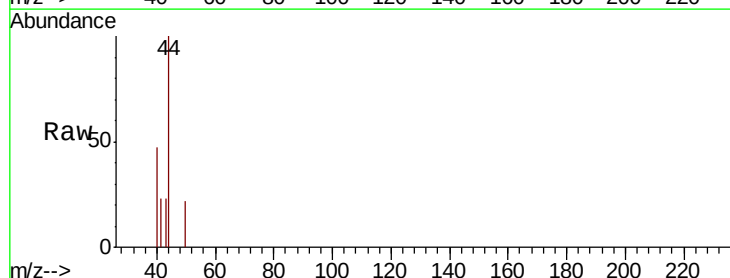
Instrument :
MSVOA_F
ClientSampleId :
AU-06-112918

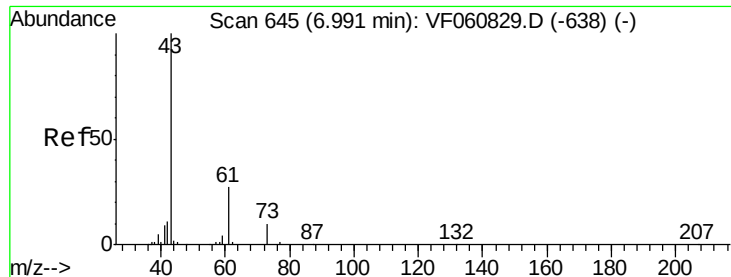
Tot Ion	Ratio	Lower	Upper
113	100		
111	92.5	83.0	124.6
192	14.3	12.3	18.5



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.73 min Scan# 416
Delta R.T. -0.05 min
Lab File: VF060879.D
Acq: 29 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



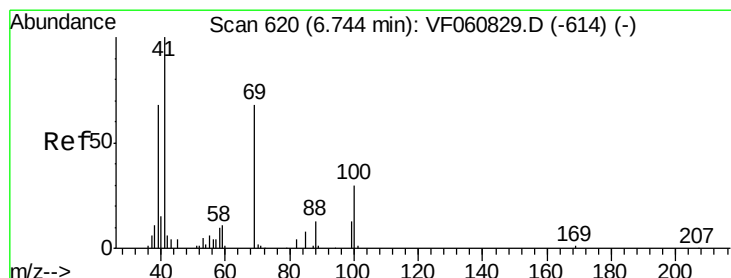
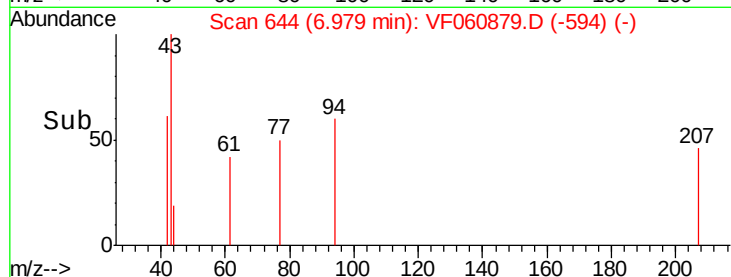
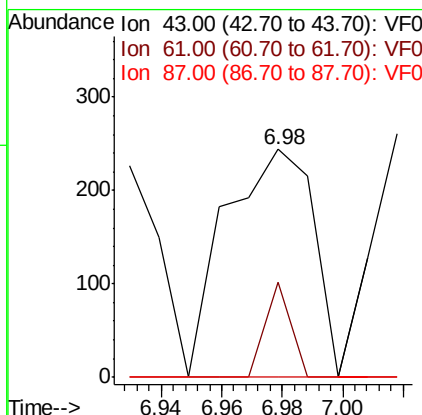
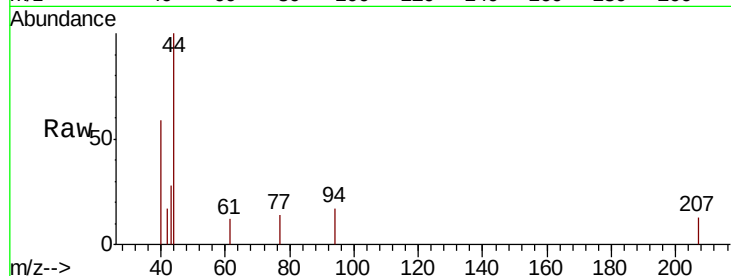


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 6.98 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VF060879.D
 Acq: 29 Nov 2018 21:08

Instrument :
 MSVOA_F
 ClientSampleId :
 AU-06-112918

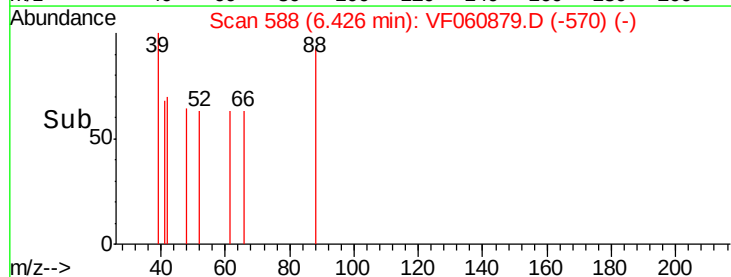
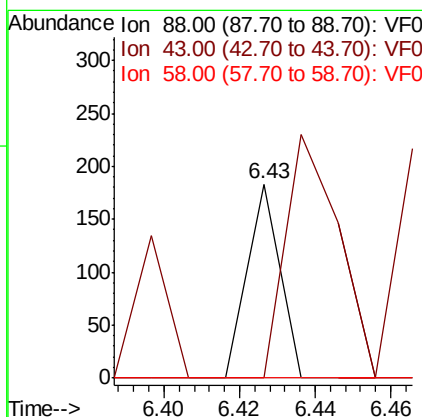
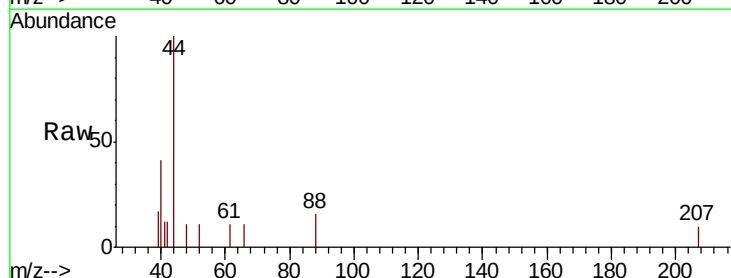
Tot Ion: 43 Resp: 494
 Ion Ratio Lower Upper
 43 100
 61 41.8 21.4 32.0#
 87 0.0 0.2 0.4#

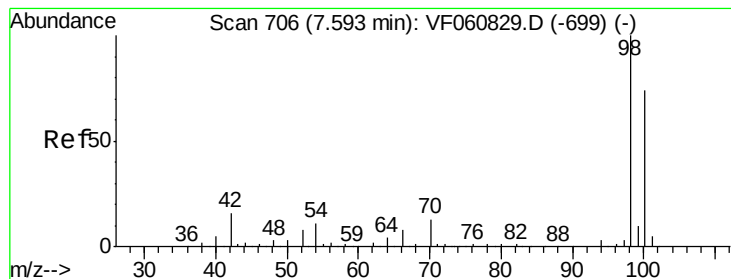


#49

1,4-Dioxane
 Concen: 10.779 ug/l
 RT: 6.43 min Scan# 588
 Delta R.T. -0.32 min
 Lab File: VF060879.D
 Acq: 29 Nov 2018 21:08

Tgt Ion: 88 Resp: 108
 Ion Ratio Lower Upper
 88 100
 43 0.0 42.0 63.0#
 58 0.0 61.8 92.8#





#50

Toluene-d8

Concen: 40.952 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.03 min

Lab File: VF060879.D

Acq: 29 Nov 2018 21:08

Instrument :

MSVOA_F

ClientSampleId :

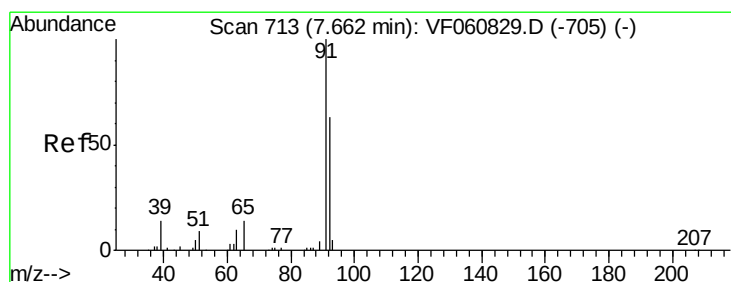
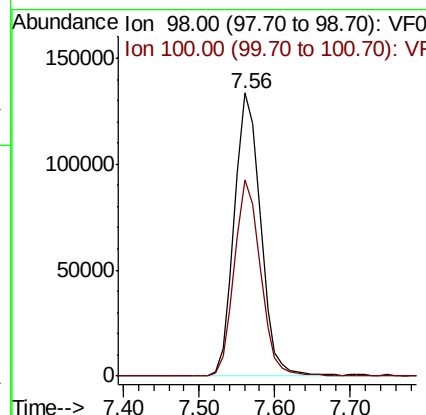
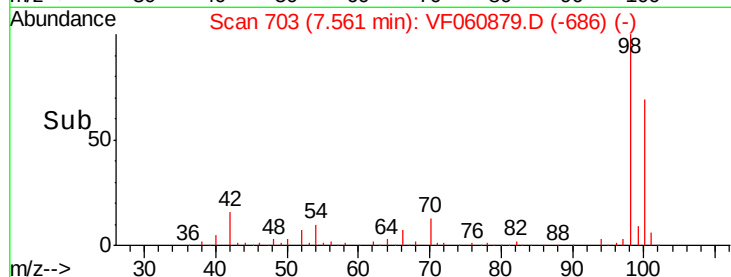
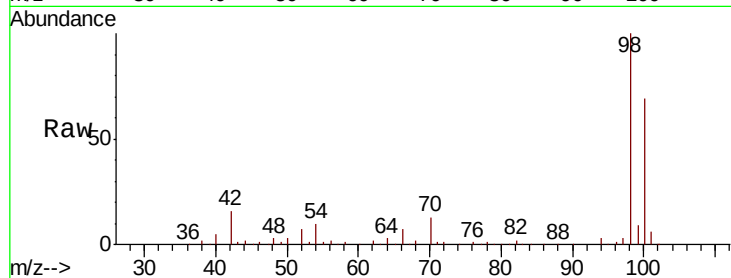
AU-06-112918

Tot Ion: 98 Resp: 321122

Ion Ratio Lower Upper

98 100

100 69.2 59.3 88.9



#52

Toluene

Concen: 1.520 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF060879.D

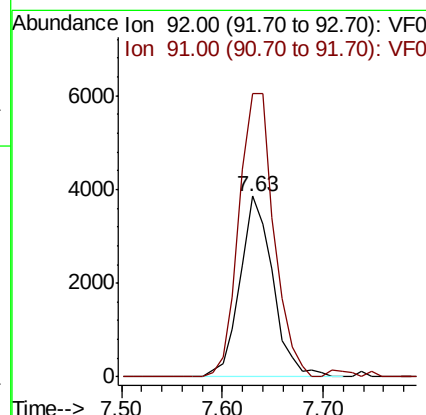
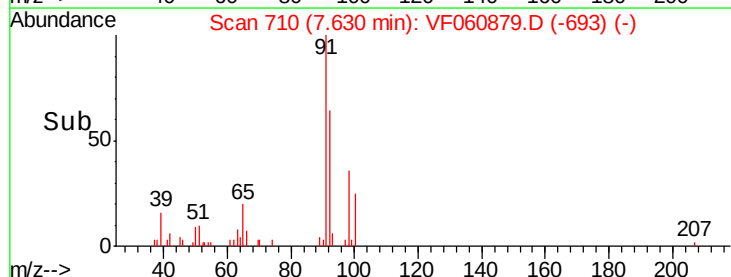
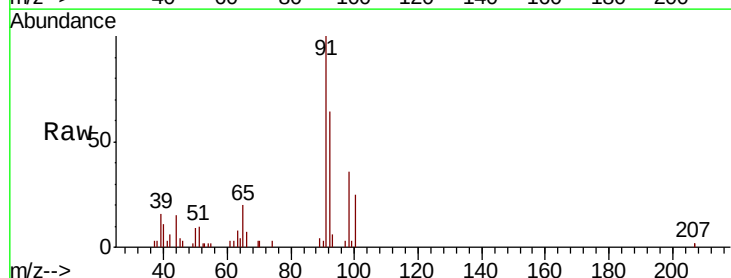
Acq: 29 Nov 2018 21:08

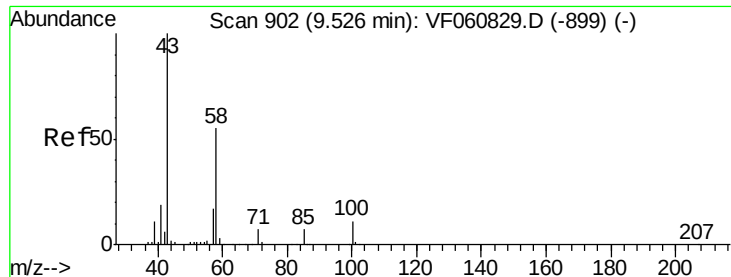
Tgt Ion: 92 Resp: 8778

Ion Ratio Lower Upper

92 100

91 156.8 126.2 189.2

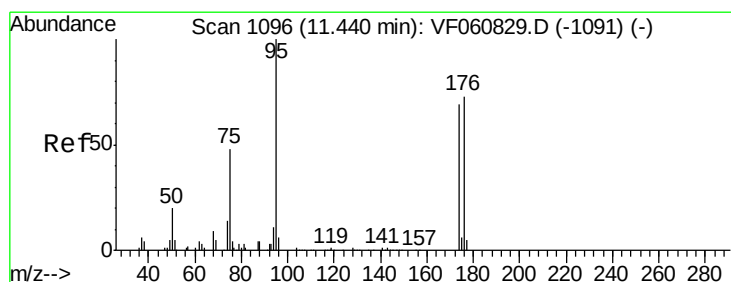
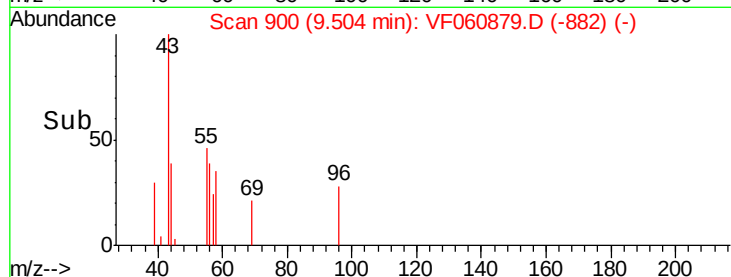
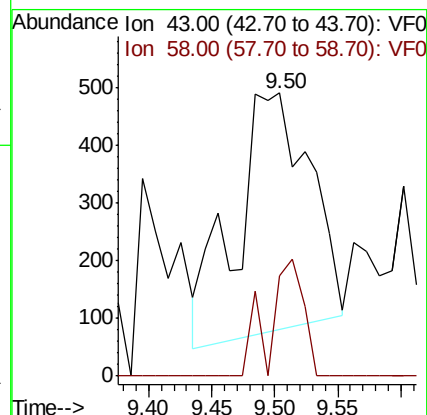
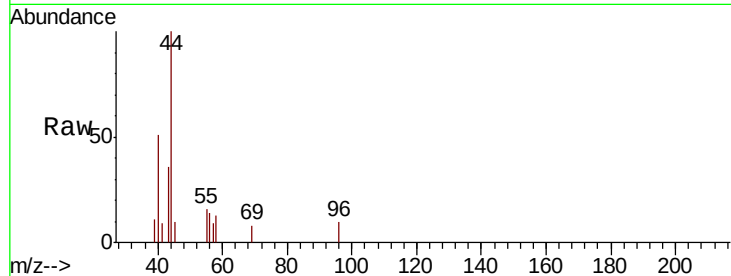




#59
2-Hexanone
Concen: 1.745 ug/l
RT: 9.50 min Scan# 900
Delta R.T. -0.02 min
Lab File: VF060879.D
Acq: 29 Nov 2018 21:08

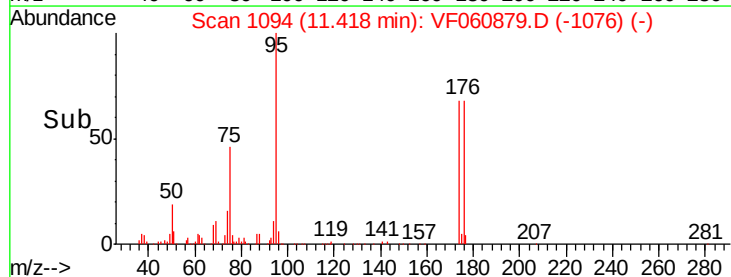
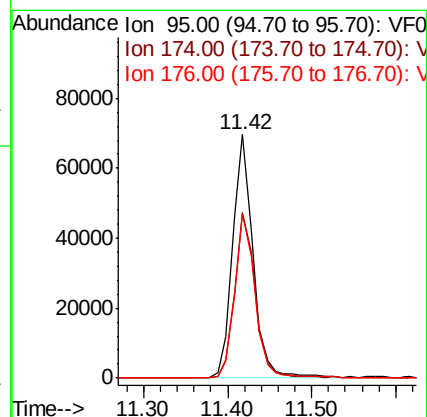
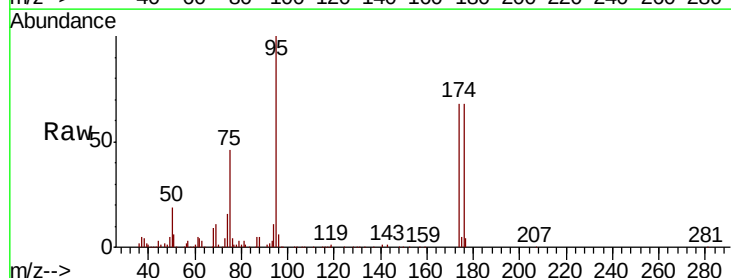
Instrument :
MSVOA_F
ClientSampleId :
AU-06-112918

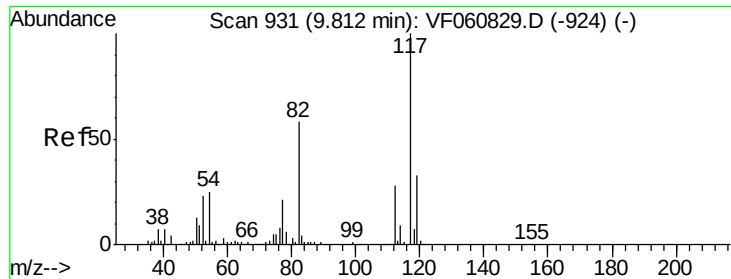
Tot Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
58 35.3 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 33.047 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.02 min
Lab File: VF060879.D
Acq: 29 Nov 2018 21:08

Tgt Ion: 95 Resp: 117775
Ion Ratio Lower Upper
95 100
174 68.2 0.0 138.2
176 67.5 0.0 146.2

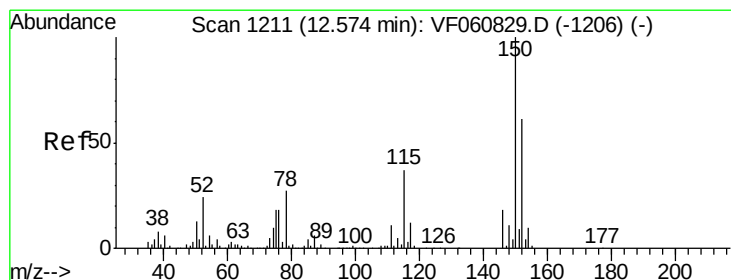
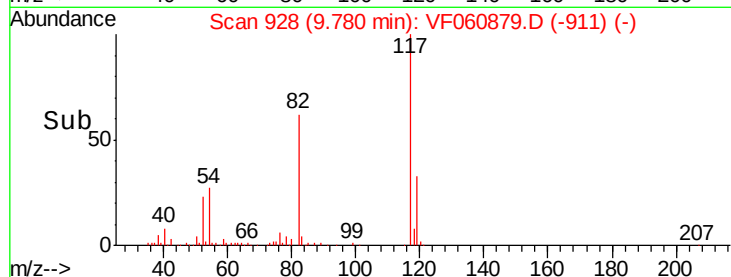
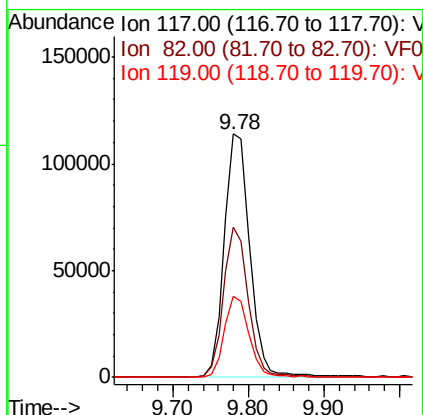
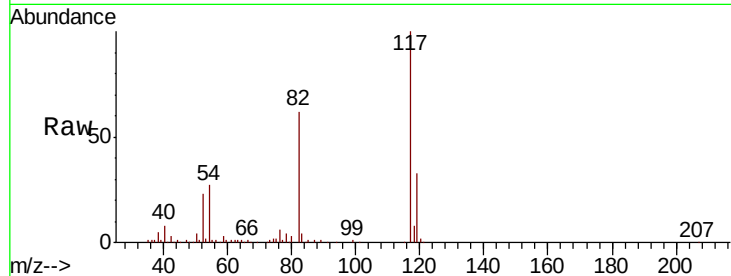




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060879.D
Acq: 29 Nov 2018 21:08

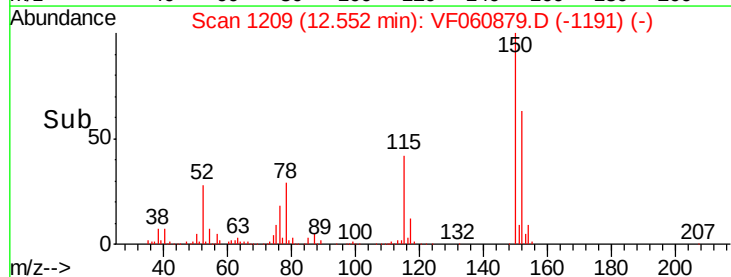
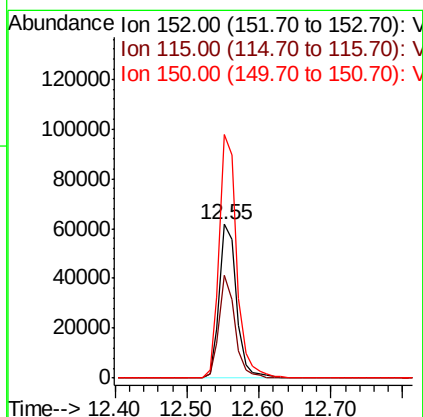
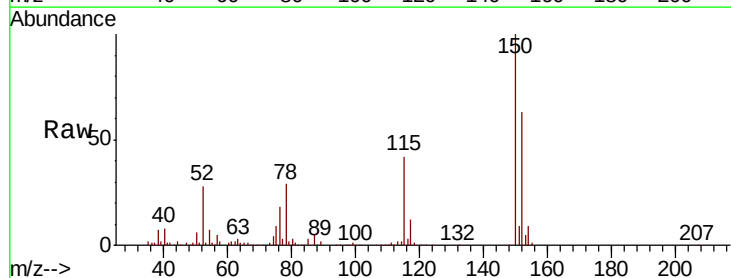
Instrument :
MSVOA_F
ClientSampleId :
AU-06-112918

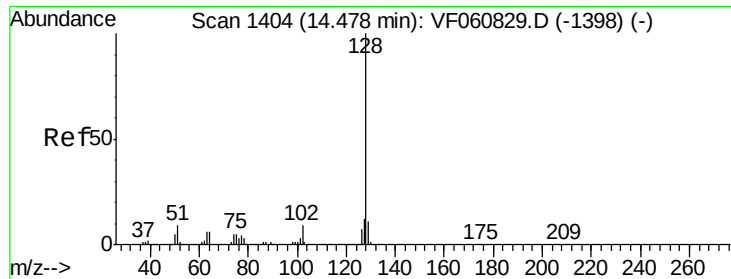
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	46.6	69.8
119	33.1	26.4	39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060879.D
Acq: 29 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.6	30.1	90.5
150	158.6	0.0	327.6

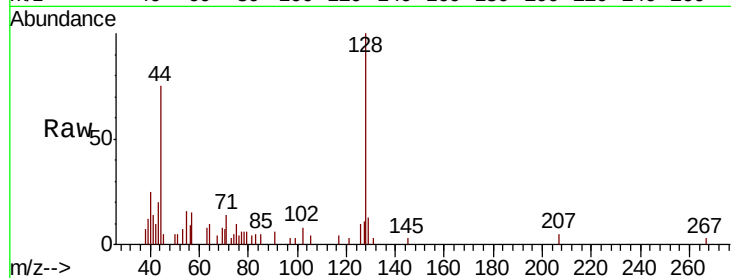




#95
Naphthalene
Concen: Below Cal
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF060879.D
Acq: 29 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampleId :
AU-06-112918

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.7	9.9	14.9
129	13.1	9.1	13.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

