

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060894.D
 Acq On : 3 Dec 2018 16:30
 Operator : VA/AP
 Sample : J5764-23RE
 Misc : 6.64g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-113018-B

Quant Time: Dec 04 03:10:48 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	188341	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.61	114	330321	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	292679	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.57	152	141044	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	112444	50.68	ug/l	-0.01
Spiked Amount			Recovery	=	101.36%	
35) Dibromofluoromethane	4.13	113	119431	45.58	ug/l	-0.02
Spiked Amount			Recovery	=	91.16%	
50) Toluene-d8	7.58	98	291505	37.76	ug/l	-0.01
Spiked Amount			Recovery	=	75.52%	
62) 4-Bromofluorobenzene	11.42	95	138199	39.39	ug/l	-0.01
Spiked Amount			Recovery	=	78.78%	

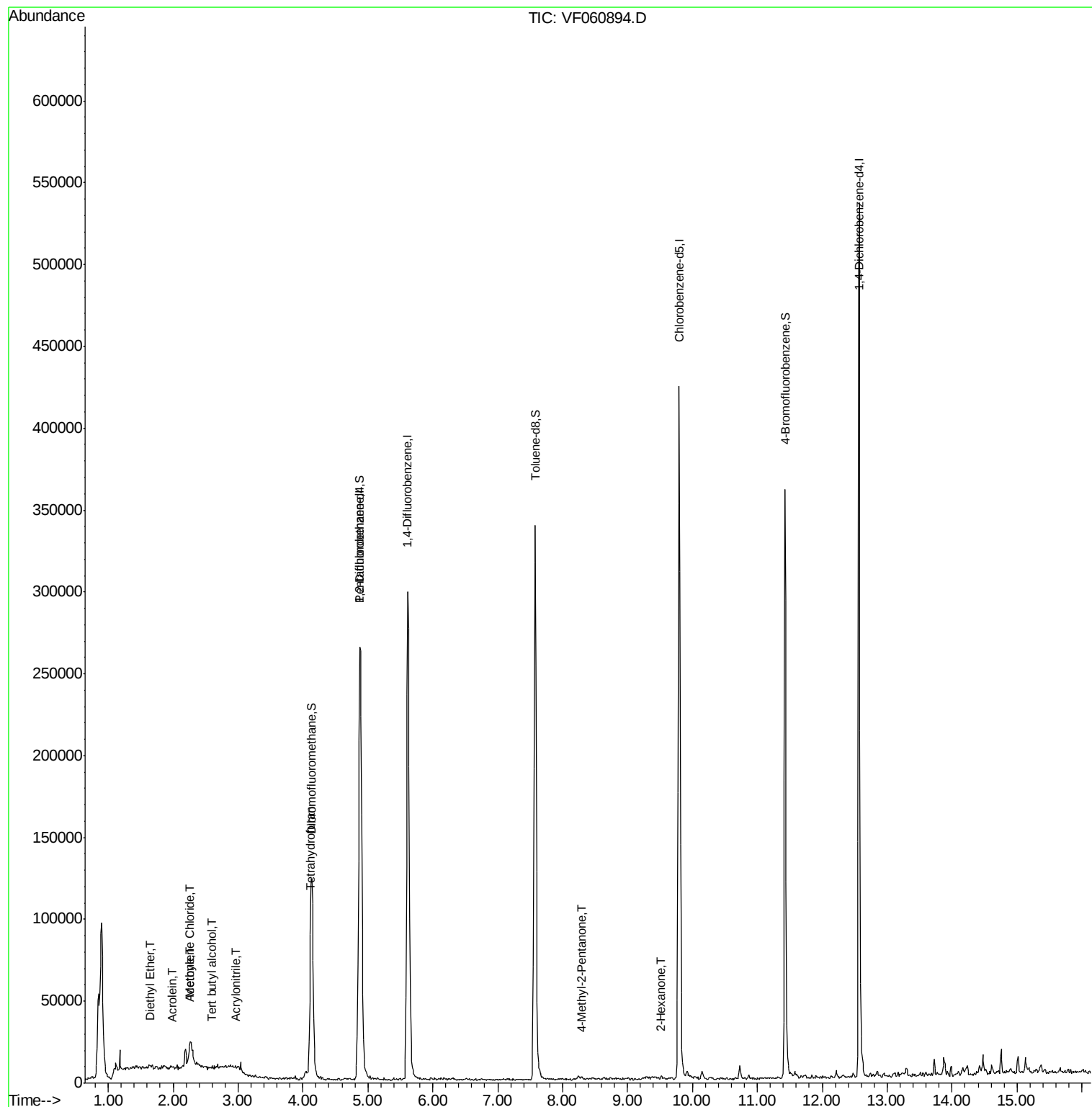
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.65	74	555	1.052	ug/l	54
11) Tert butyl alcohol	2.61	59	134	1.473	ug/l #	1
13) Acrolein	1.99	56	311	3.609	ug/l #	8
15) Acrylonitrile	2.96	53	497	2.437	ug/l #	50
16) Acetone	2.24	43	2985	7.296	ug/l #	84
18) Methyl Acetate	2.38	43	991	Below Cal	#	61
20) Methylene Chloride	2.27	84	11490	7.655	ug/l	97
29) Tetrahydrofuran	4.11	42	807	2.690	ug/l #	45
41) Methacrylonitrile	4.77	41	363	Below Cal	#	78
43) Isopropyl Acetate	6.98	43	536	Below Cal	#	49
51) 4-Methyl-2-Pentanone	8.30	43	1784	1.299	ug/l	92
59) 2-Hexanone	9.52	43	1685	1.749	ug/l #	57
95) Naphthalene	14.47	128	5153	Below Cal	#	92

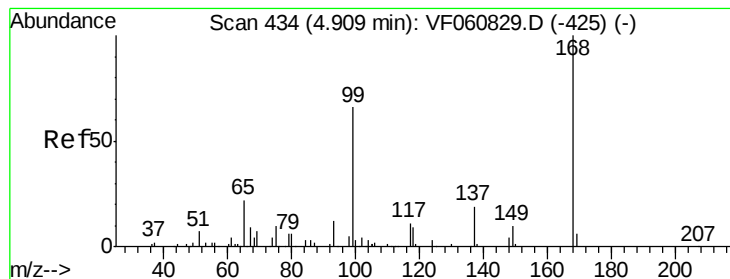
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120318\
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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. -0.02 min

Lab File: VF060894.D

Acq: 3 Dec 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

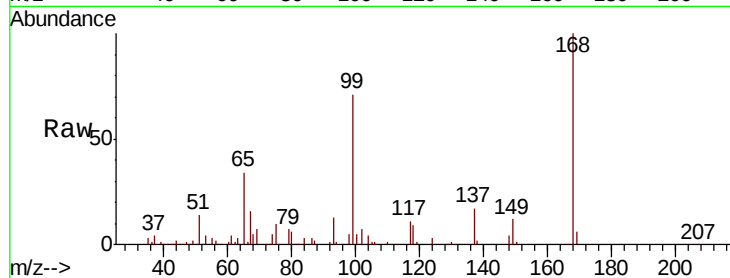
JC-02-113018-B

Tot Ion:168 Resp: 188341

Ion Ratio Lower Upper

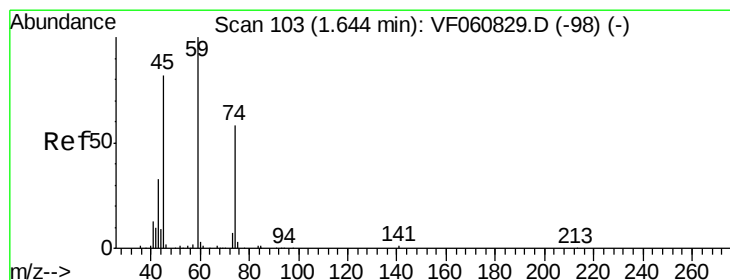
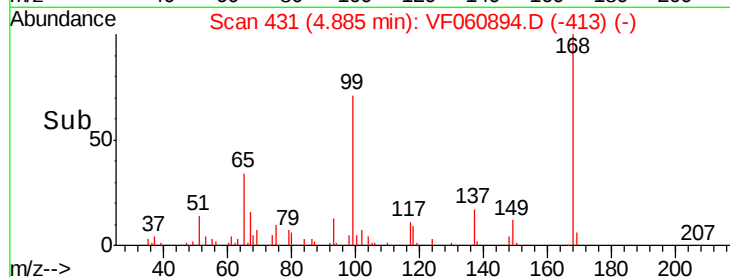
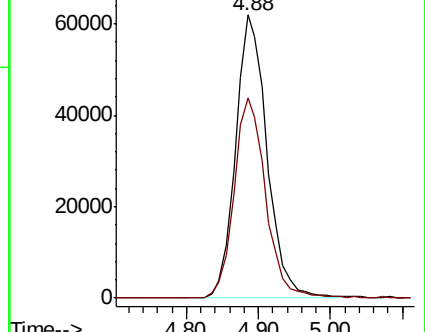
168 100

99 70.5 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 1.052 ug/l

RT: 1.65 min Scan# 103

Delta R.T. 0.01 min

Lab File: VF060894.D

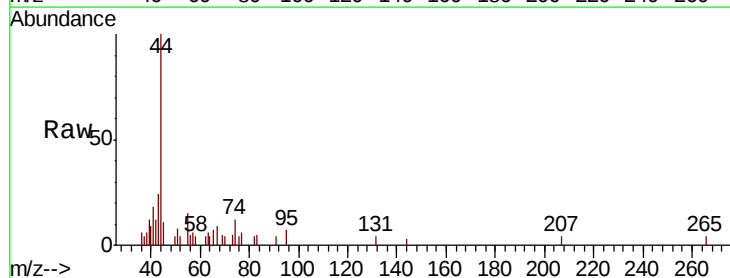
Acq: 3 Dec 2018 16:30

Tgt Ion: 74 Resp: 555

Ion Ratio Lower Upper

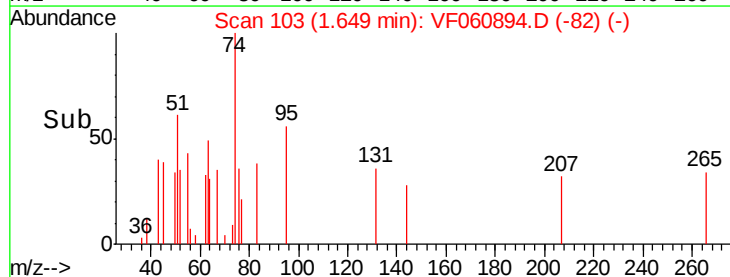
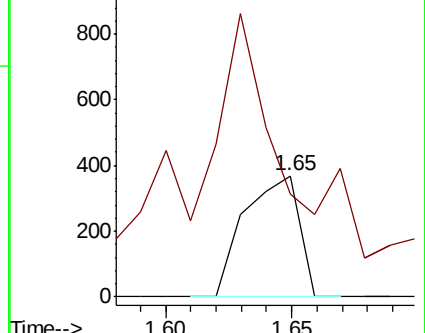
74 100

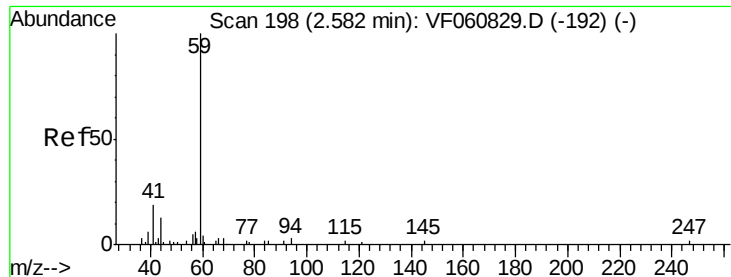
45 85.4 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

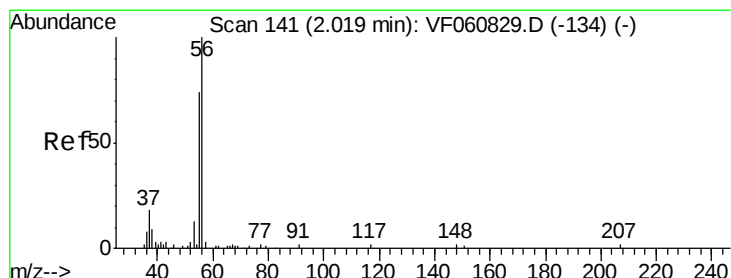
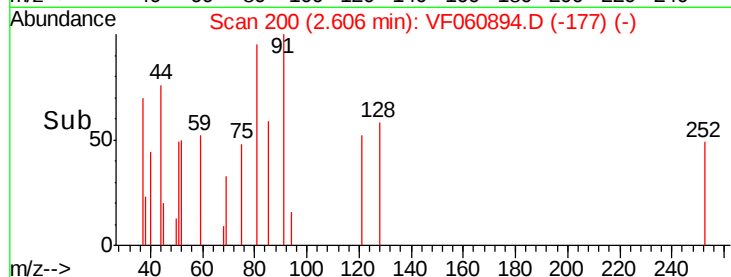
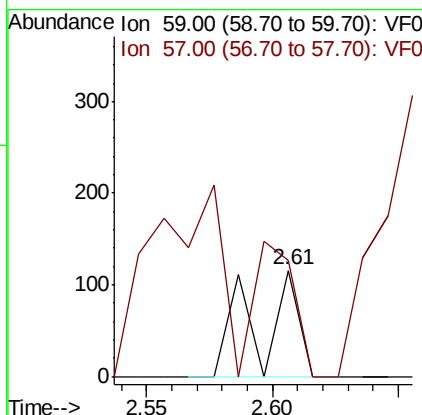
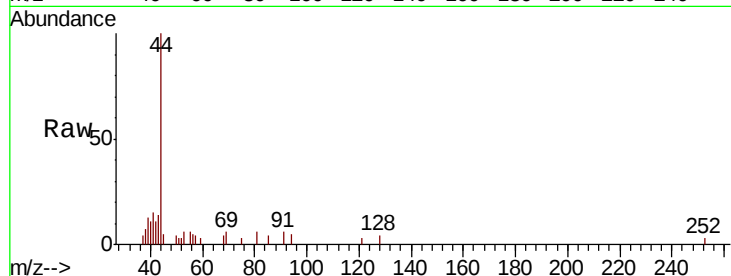




#11
Tert butyl alcohol
Concen: 1.473 ug/l
RT: 2.61 min Scan# 200
Delta R.T. 0.02 min
Lab File: VF060894.D
Acq: 3 Dec 2018 16:30

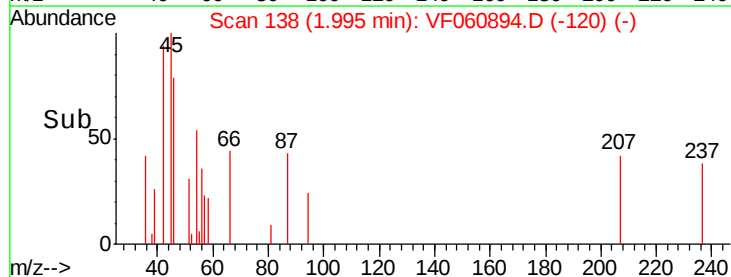
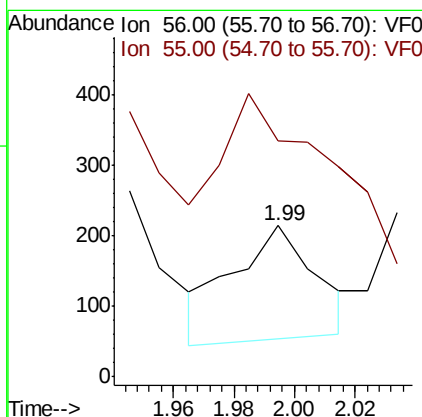
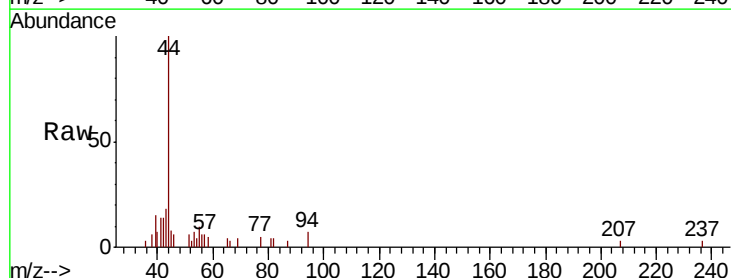
Instrument :
MSVOA_F
ClientSampleId :
JC-02-113018-B

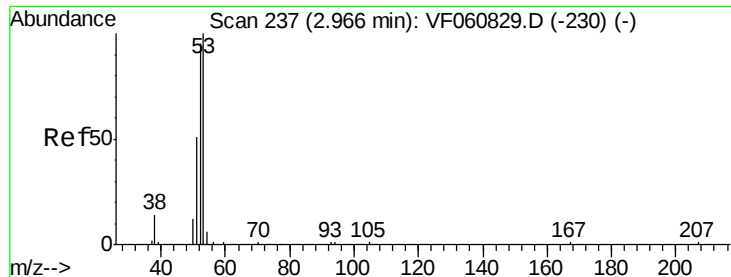
Tot Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 108.6 12.7 19.1#



#13
Acrolein
Concen: 3.609 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.02 min
Lab File: VF060894.D
Acq: 3 Dec 2018 16:30

Tgt Ion: 56 Resp: 311
Ion Ratio Lower Upper
56 100
55 155.8 61.2 91.8#





#15

Acrylonitrile

Concen: 2.437 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.00 min

Lab File: VF060894.D

Acq: 3 Dec 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-B

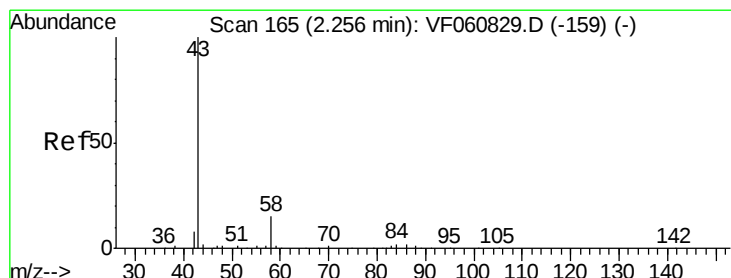
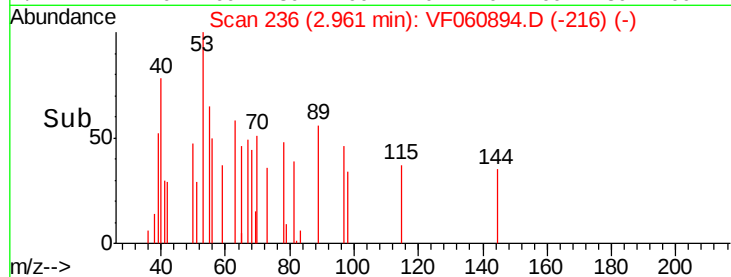
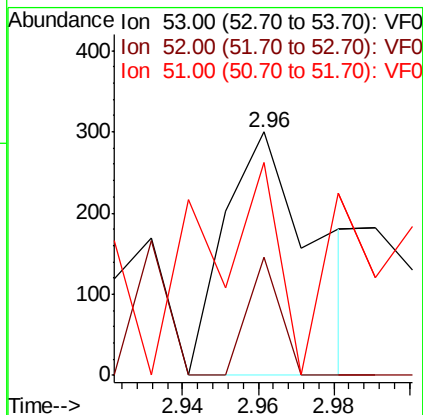
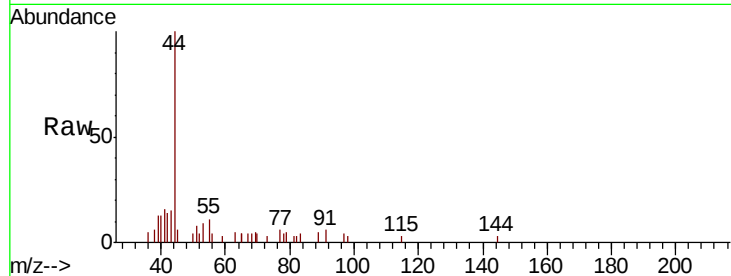
Tot Ion: 53 Resp: 497

Ion Ratio Lower Upper

53 100

52 48.7 76.5 114.7#

51 87.3 40.7 61.1#



#16

Acetone

Concen: 7.296 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF060894.D

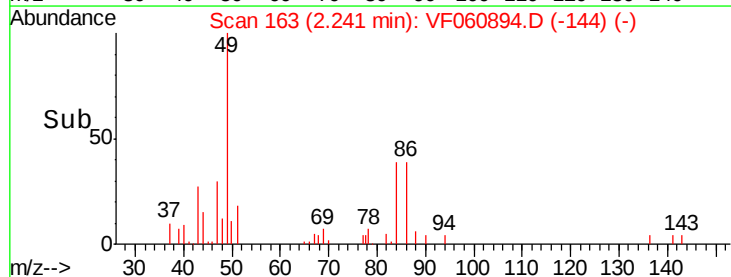
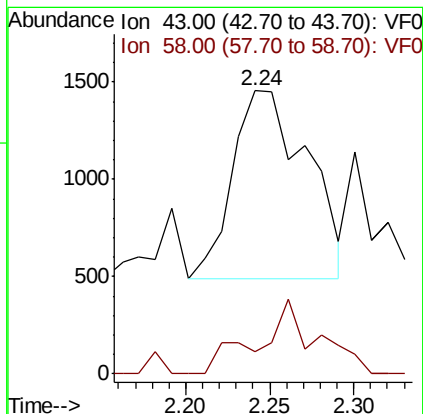
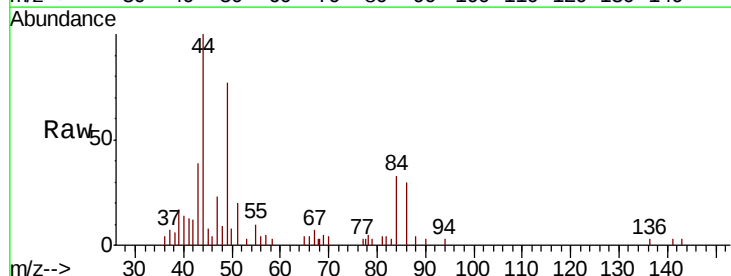
Acq: 3 Dec 2018 16:30

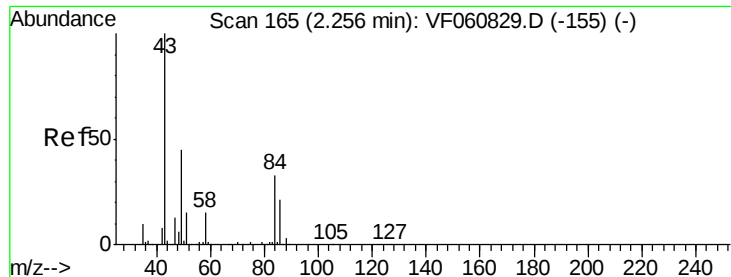
Tgt Ion: 43 Resp: 2985

Ion Ratio Lower Upper

43 100

58 7.9 11.4 17.2#

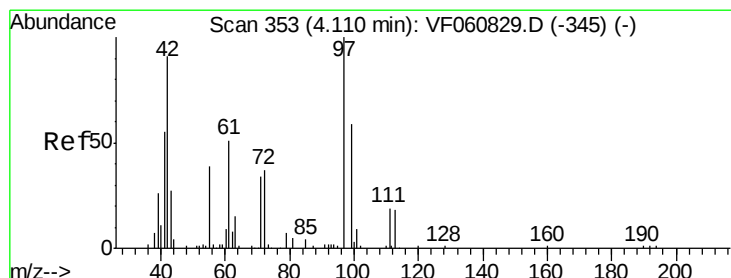
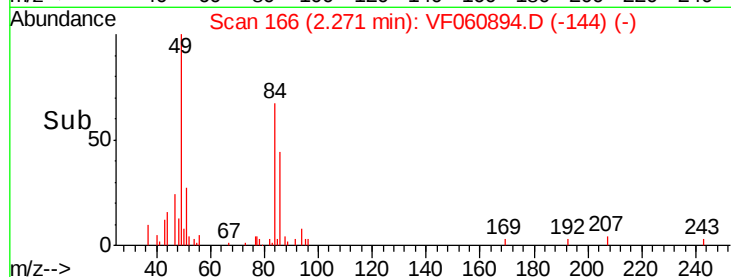
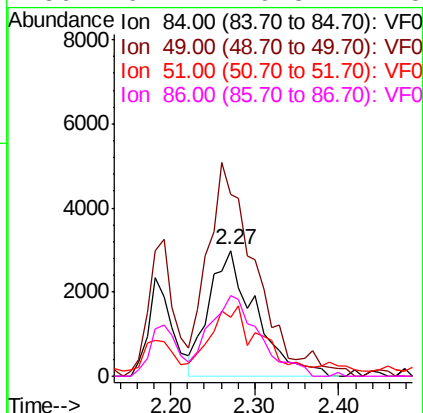
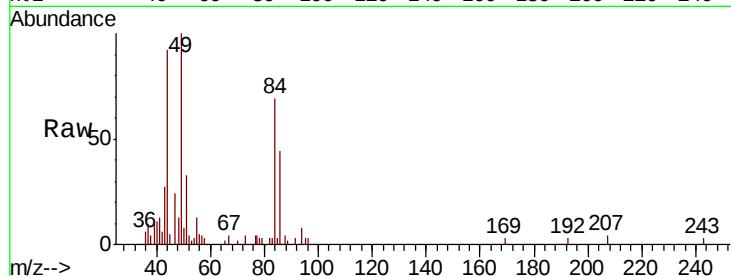




#20
Methvlene Chloride
Concen: 7.655 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060894.D
Acq: 3 Dec 2018 16:30

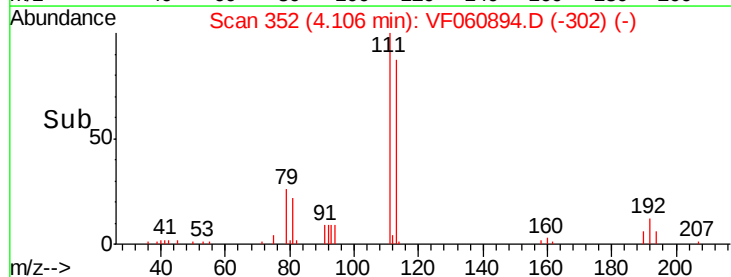
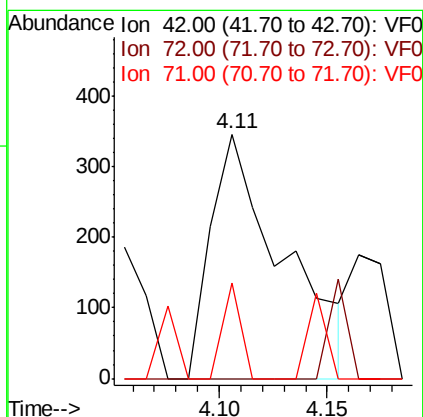
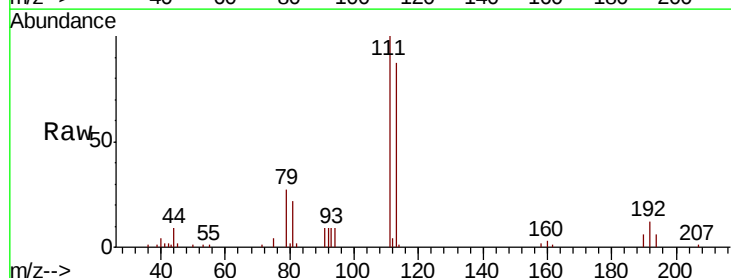
Instrument :
MSVOA_F
ClientSampleId :
JC-02-113018-B

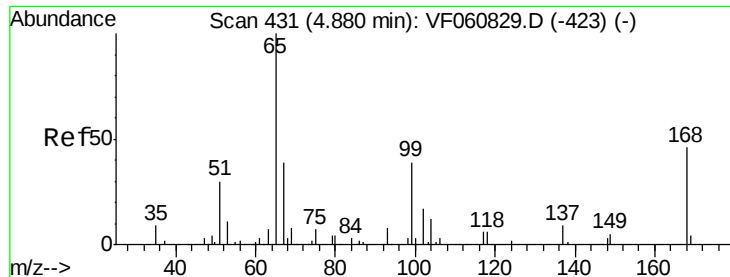
Tot Ion:	84	Resp:	11490
Ion	Ratio	Lower	Upper
84	100		
49	145.1	111.3	166.9
51	47.3	38.0	57.0
86	64.1	49.8	74.8



#29
Tetrahydrofuran
Concen: 2.690 ug/l
RT: 4.11 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF060894.D
Acq: 3 Dec 2018 16:30

Tgt Ion:	42	Resp:	807
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	9.9	28.7	43.1#

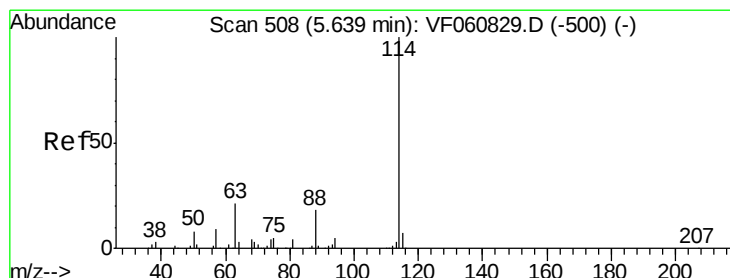
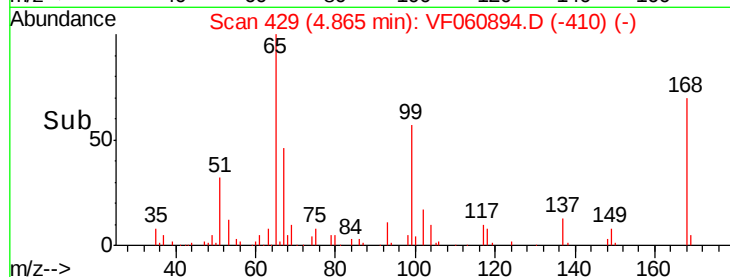
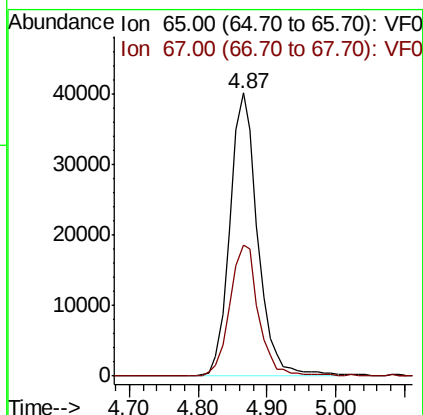
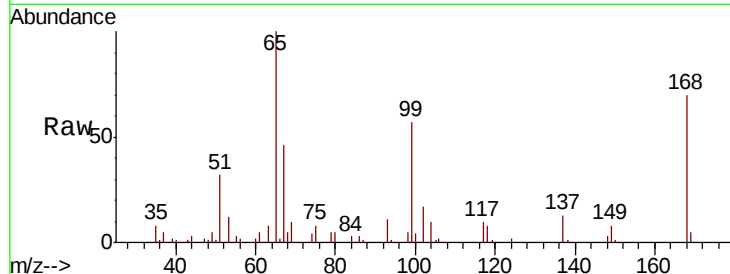




#33
 1,2-Dichloroethane-d4
 Concen: 50.680 ug/l
 RT: 4.87 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VF060894.D
 Acq: 3 Dec 2018 16:30

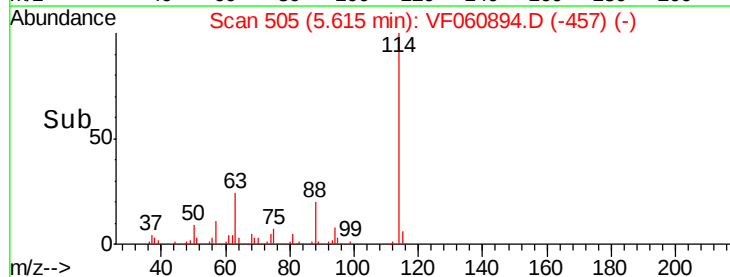
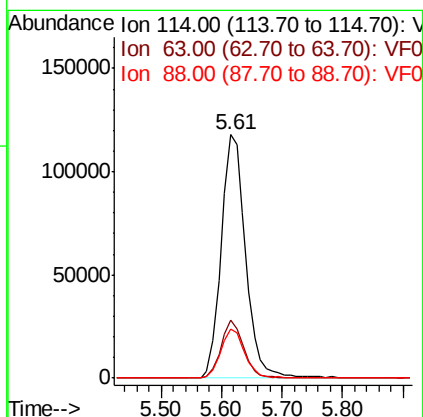
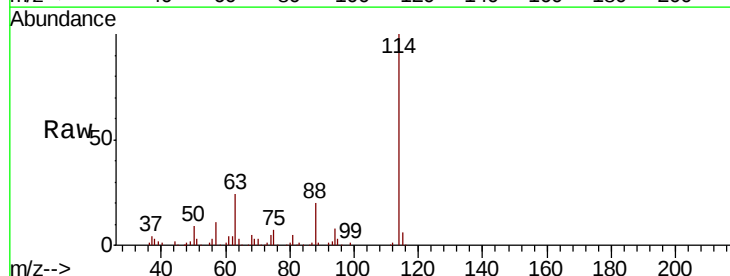
Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-113018-B

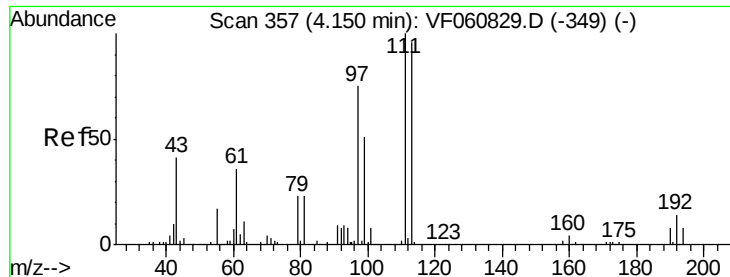
Tot Ion: 65 Resp: 112444
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.02 min
 Lab File: VF060894.D
 Acq: 3 Dec 2018 16:30

Tgt Ion: 114 Resp: 330321
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 41.6
 88 20.0 0.0 36.6

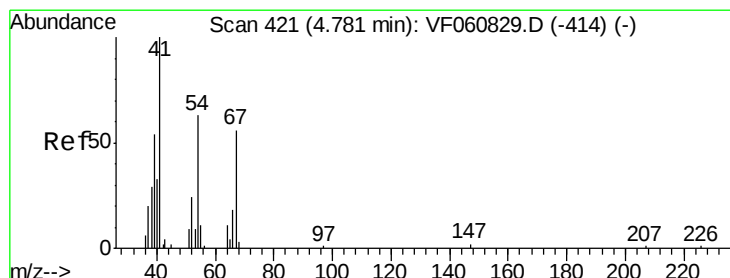
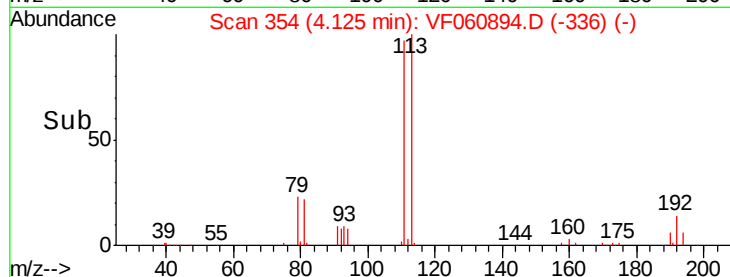
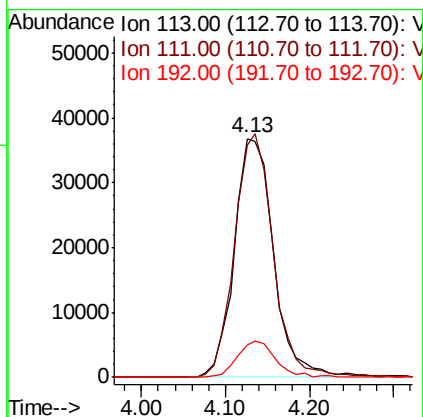
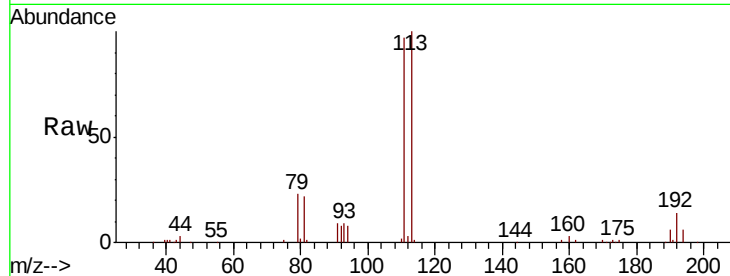




#35
Dibromofluoromethane
Concen: 45.575 ug/l
RT: 4.13 min Scan# 354
Delta R.T. -0.02 min
Lab File: VF060894.D
Acq: 3 Dec 2018 16:30

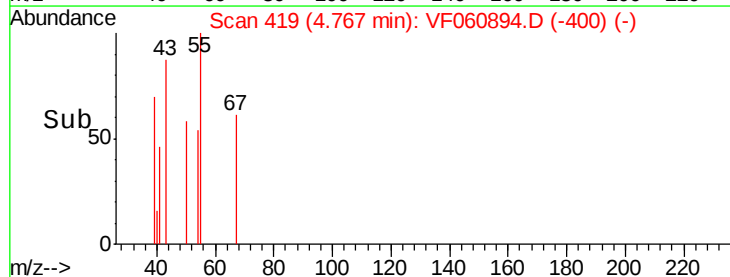
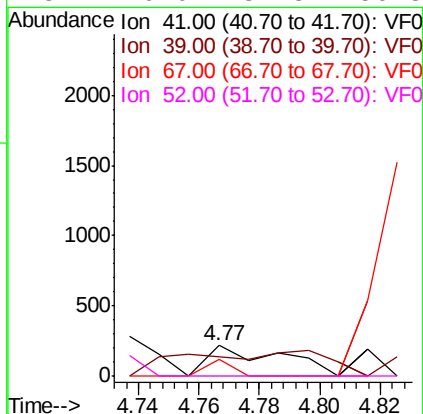
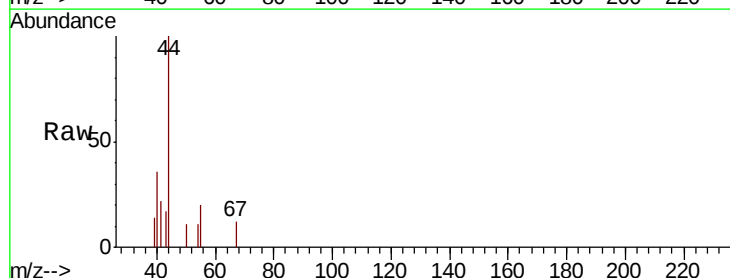
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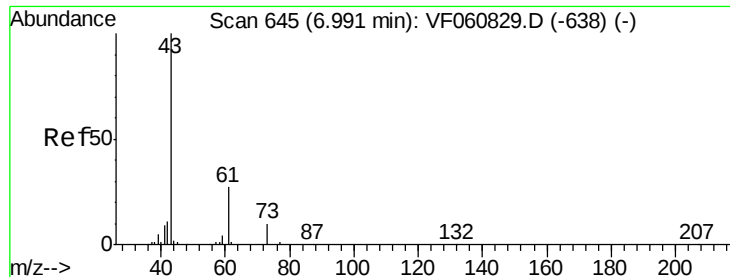
Tot Ion:113 Resp: 119431
Ion Ratio Lower Upper
113 100
111 97.3 83.0 124.6
192 13.6 12.3 18.5



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.77 min Scan# 419
Delta R.T. -0.01 min
Lab File: VF060894.D
Acq: 3 Dec 2018 16:30

Tgt Ion: 41 Resp: 363
Ion Ratio Lower Upper
41 100
39 62.8 53.0 79.6
67 54.6 43.8 65.6
52 0.0 37.8 56.8#



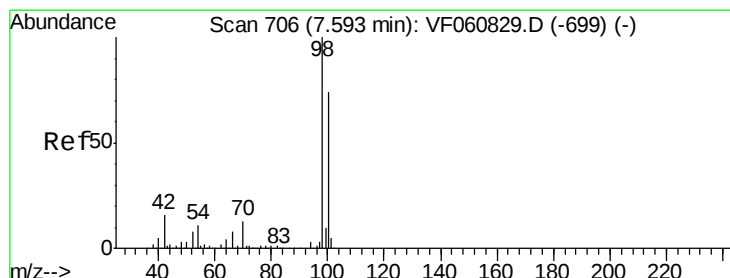
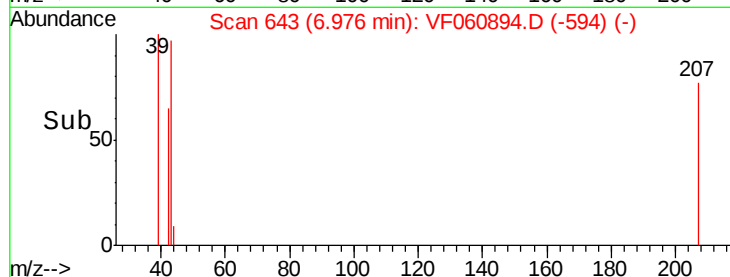
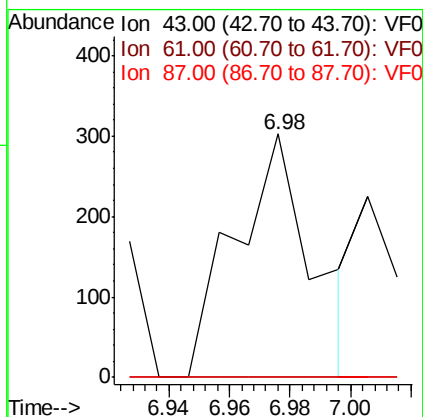
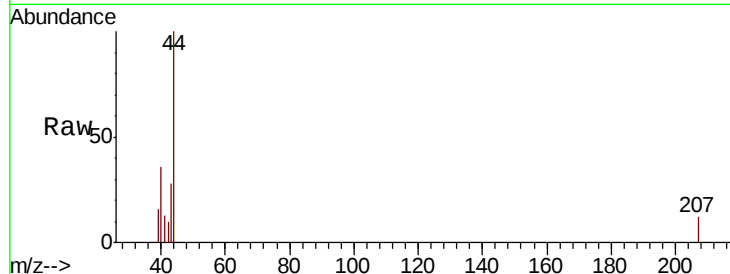


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 6.98 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VF060894.D
 Acq: 3 Dec 2018 16:30

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-113018-B

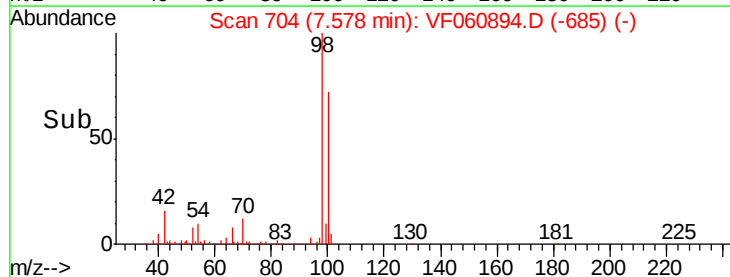
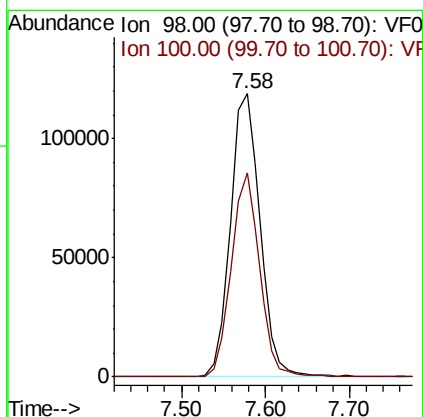
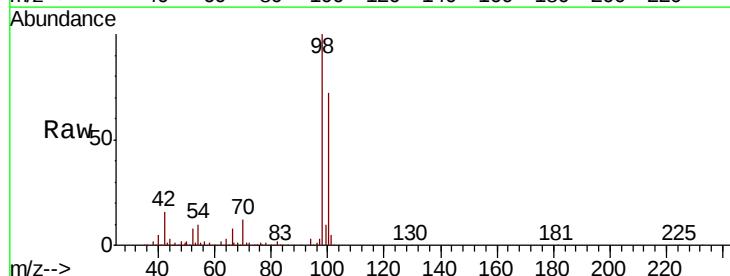
Tot Ion	43	Resp	536
Ion Ratio	Lower	Upper	
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#

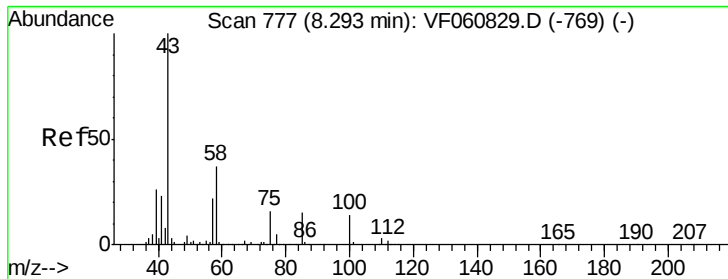


#50

Toluene-d8
 Concen: 37.763 ug/l
 RT: 7.58 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VF060894.D
 Acq: 3 Dec 2018 16:30

Tgt Ion	98	Resp	291505
Ion Ratio	Lower	Upper	
98	100		
100	72.1	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 1.299 ug/l

RT: 8.30 min Scan# 777

Delta R.T. 0.01 min

Lab File: VF060894.D

Acq: 3 Dec 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

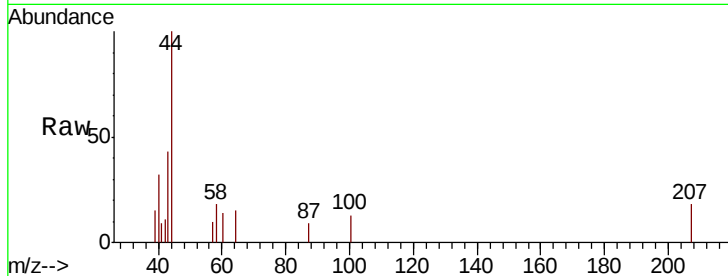
JC-02-113018-B

Tot Ion: 43 Resp: 1784

Ion Ratio Lower Upper

43 100

58 41.7 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.30

500

400

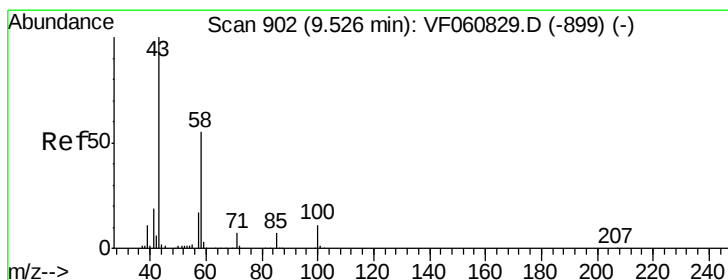
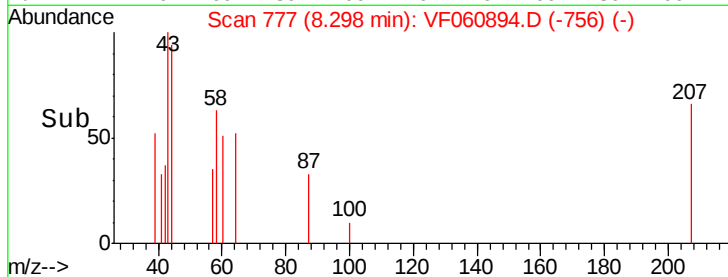
300

200

100

0

Time-->



#59

2-Hexanone

Concen: 1.749 ug/l

RT: 9.52 min Scan# 901

Delta R.T. -0.00 min

Lab File: VF060894.D

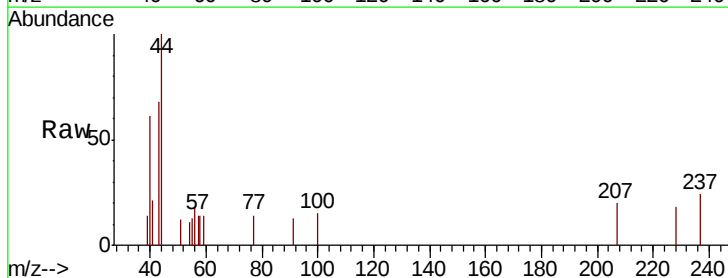
Acq: 3 Dec 2018 16:30

Tgt Ion: 43 Resp: 1685

Ion Ratio Lower Upper

43 100

58 20.9 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.52

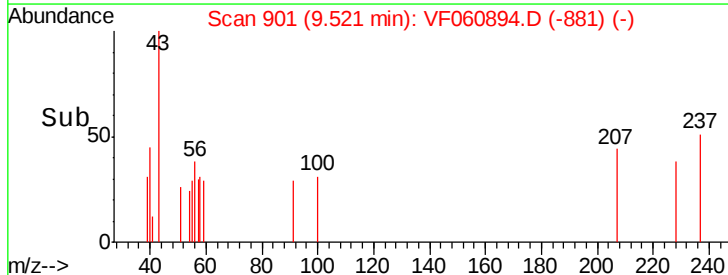
600

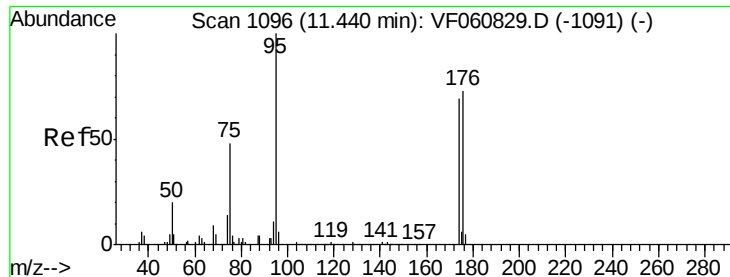
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 39.392 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.01 min

Lab File: VF060894.D

Acq: 3 Dec 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-B

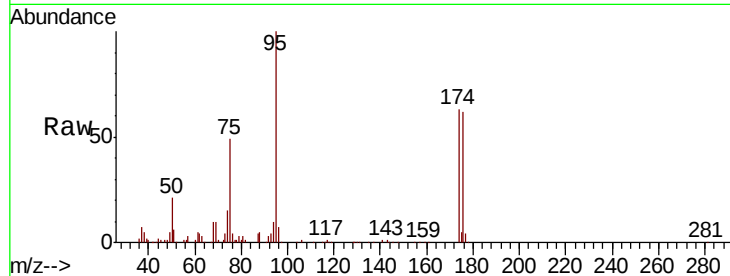
Tot Ion: 95 Resp: 138199

Ion Ratio Lower Upper

95 100

174 62.8 0.0 138.2

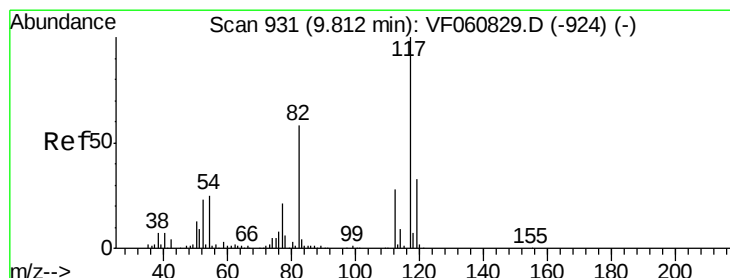
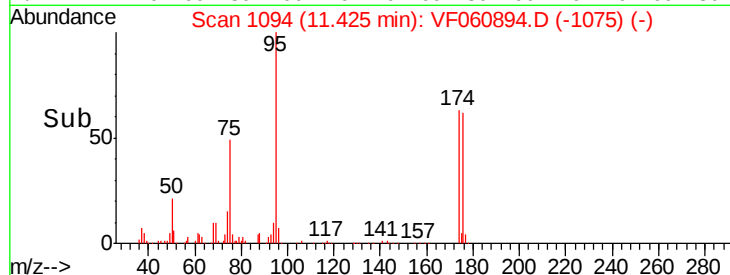
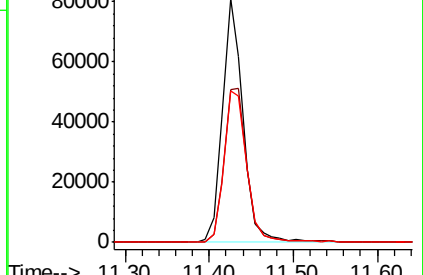
176 62.3 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF060829.D (-1091) (-)

Ion 174.00 (173.70 to 174.70): VF060829.D (-1091) (-)

Ion 176.00 (175.70 to 176.70): VF060829.D (-1091) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.80 min Scan# 929

Delta R.T. -0.01 min

Lab File: VF060894.D

Acq: 3 Dec 2018 16:30

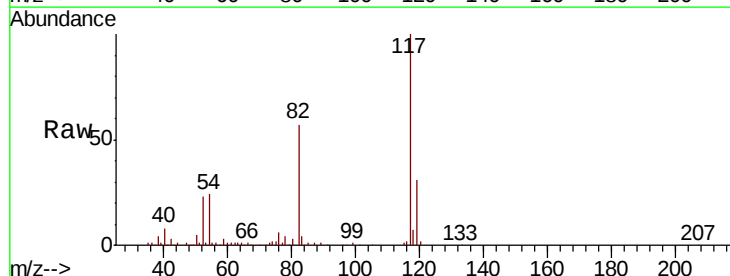
Tgt Ion: 117 Resp: 292679

Ion Ratio Lower Upper

117 100

82 57.5 46.6 69.8

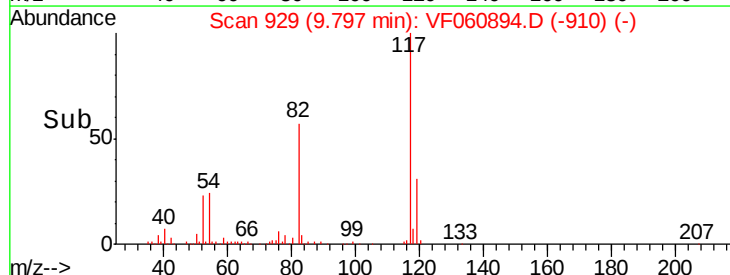
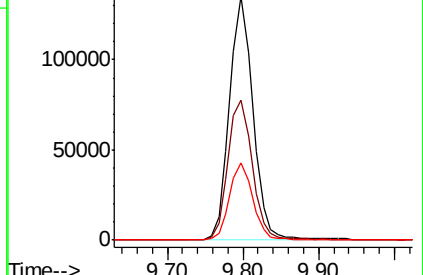
119 31.5 26.4 39.6

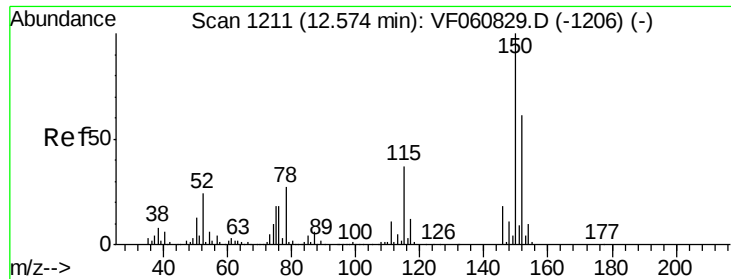


Abundance Ion 117.00 (116.70 to 117.70): VF060829.D (-924) (-)

Ion 82.00 (81.70 to 82.70): VF060829.D (-924) (-)

Ion 119.00 (118.70 to 119.70): VF060829.D (-924) (-)



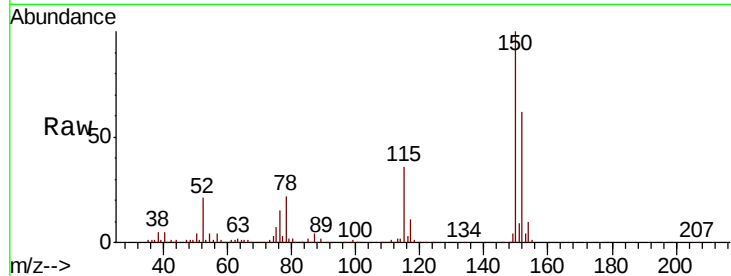


#72

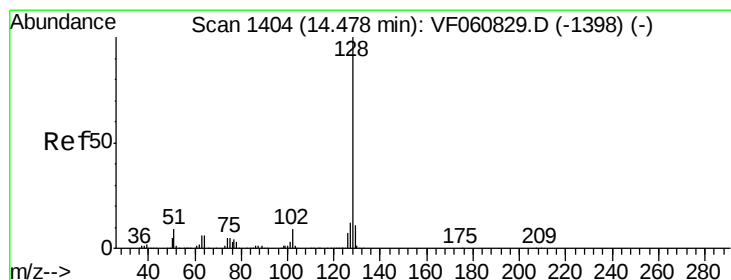
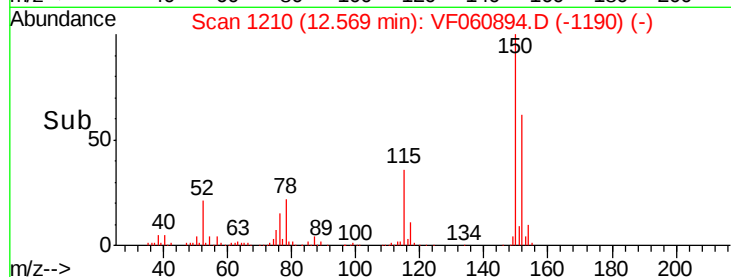
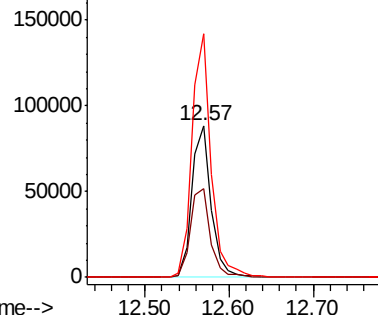
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VF060894.D
Acq: 3 Dec 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
JC-02-113018-B

Tot Ion:152 Resp: 141044
Ion Ratio Lower Upper
152 100
115 58.6 30.1 90.5
150 160.7 0.0 327.6



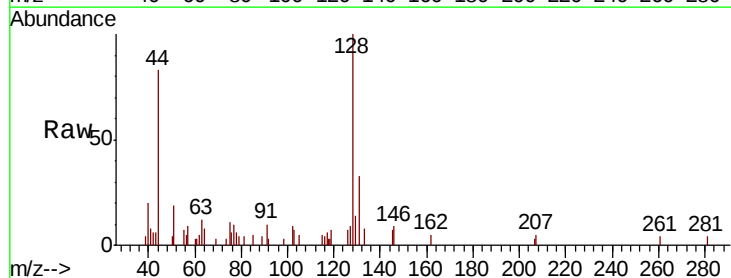
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene
Concen: Below Cal
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060894.D
Acq: 3 Dec 2018 16:30

Tgt Ion:128 Resp: 5153
Ion Ratio Lower Upper
128 100
127 9.1 9.9 14.9#
129 14.3 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

