

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120718\
 Data File : VF060939.D
 Acq On : 7 Dec 2018 20:03
 Operator : VA/AP
 Sample : J6214-23RE
 Misc : 5.23g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-3(0-2)

Quant Time: Dec 08 01:57:44 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

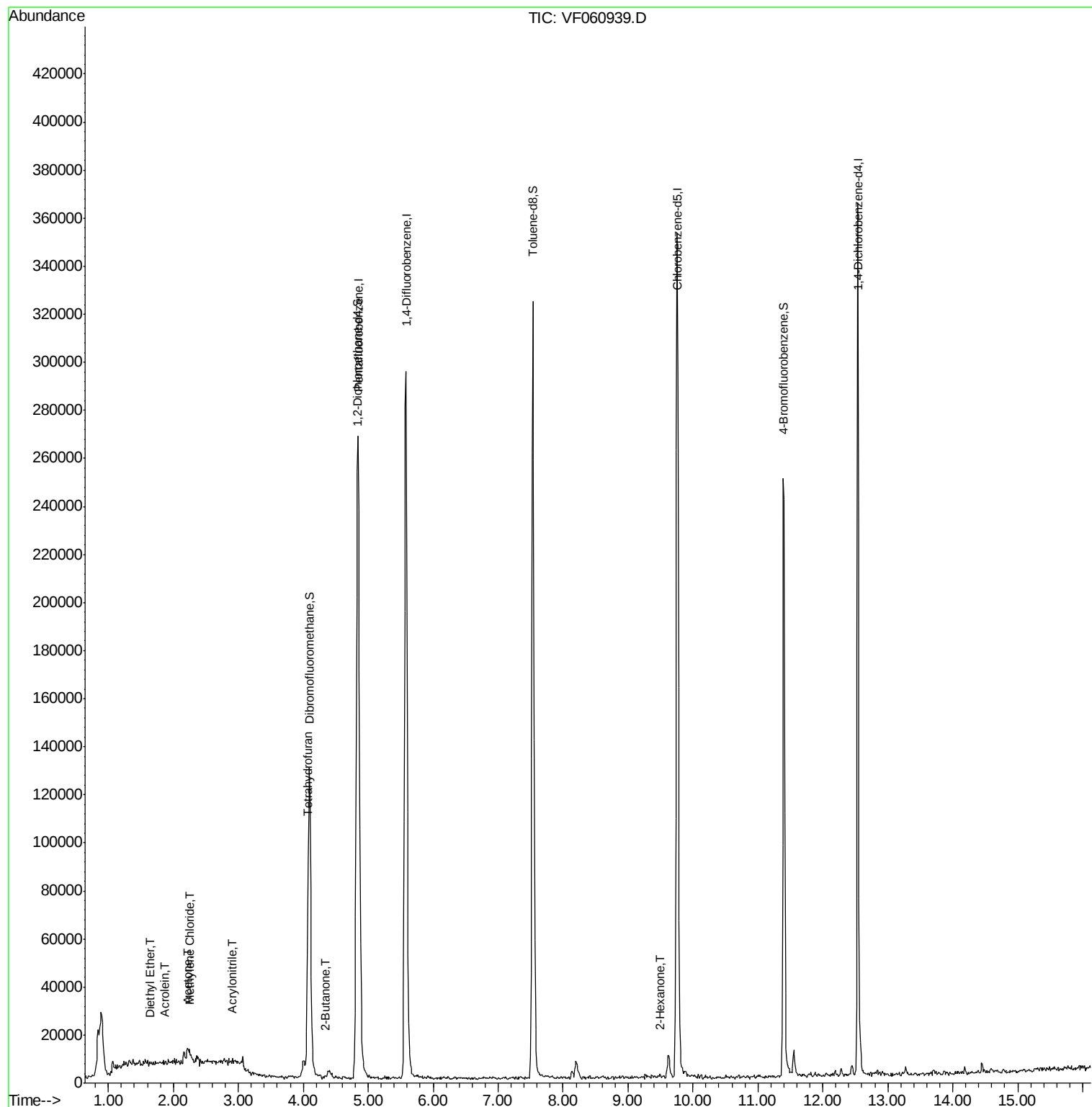
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	186249	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	320821	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	244626	50.00	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	12.54	152	84884	50.00	ug/l	-0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	118004	53.78	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	107.56%	
35) Dibromofluoromethane	4.09	113	122221	48.02	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	96.04%	
50) Toluene-d8	7.54	98	261905	34.93	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	69.86%	
62) 4-Bromofluorobenzene	11.39	95	99977	29.34	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	58.68%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.64	74	555	1.064	ug/l	89
13) Acrolein	1.88	56	374	4.389	ug/l	91
15) Acrylonitrile	2.91	53	671	3.328	ug/l #	72
16) Acetone	2.21	43	2310	5.709	ug/l	95
18) Methyl Acetate	2.34	43	975	Below Cal	#	61
20) Methylene Chloride	2.24	84	4314	2.906	ug/l #	63
25) 2-Butanone	4.33	43	1592	2.275	ug/l #	57
29) Tetrahydrofuran	4.06	42	875	2.950	ug/l #	61
41) Methacrylonitrile	4.75	41	299	Below Cal	#	49
43) Isopropyl Acetate	6.92	43	117	Below Cal	#	49
59) 2-Hexanone	9.49	43	1295	1.384	ug/l	69
95) Naphthalene	14.44	128	1853	Below Cal	#	92

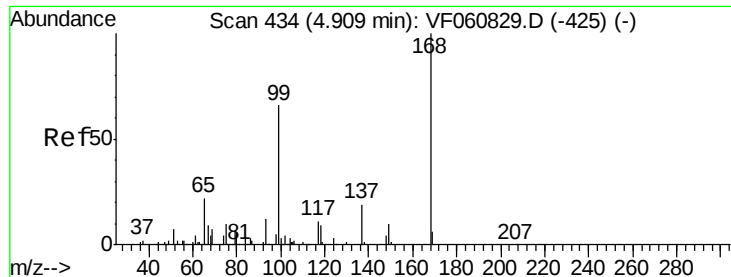
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 08 01:57:44 2018
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: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF060939.D

Acq: 7 Dec 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

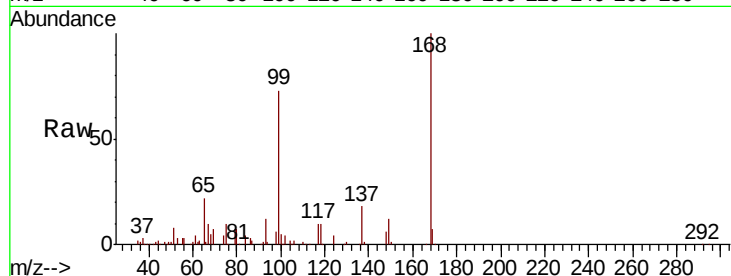
SB-3(0-2)

Tot Ion:168 Resp: 186249

Ion Ratio Lower Upper

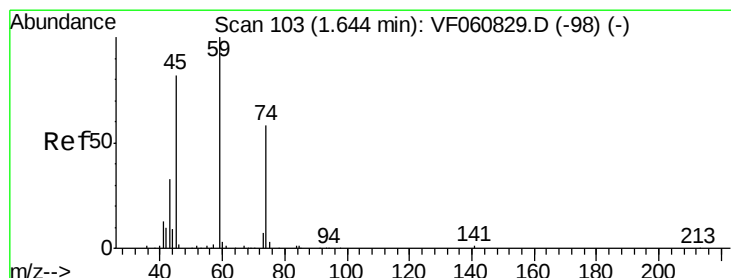
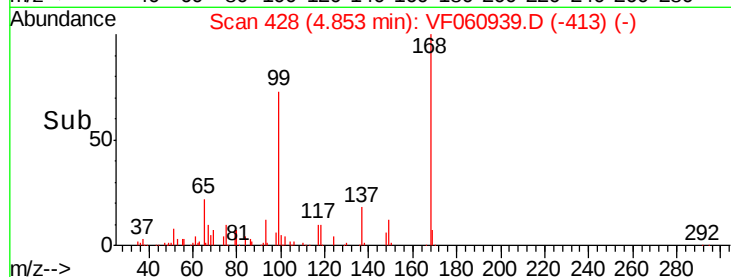
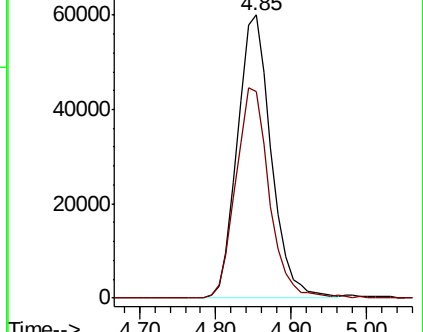
168 100

99 72.8 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: 1.064 ug/l

RT: 1.64 min Scan# 102

Delta R.T. -0.01 min

Lab File: VF060939.D

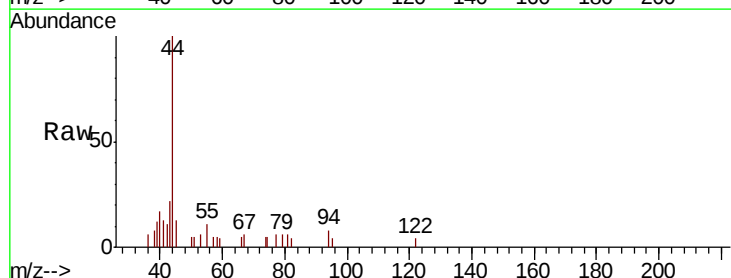
Acq: 7 Dec 2018 20:03

Tgt Ion: 74 Resp: 555

Ion Ratio Lower Upper

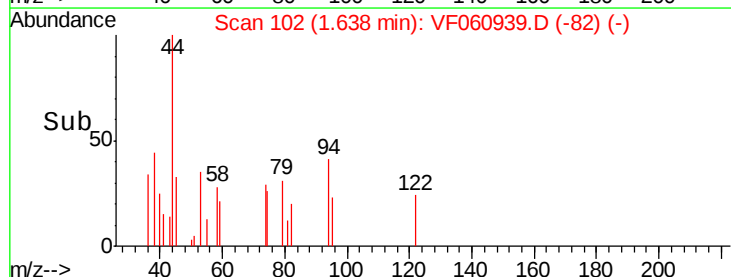
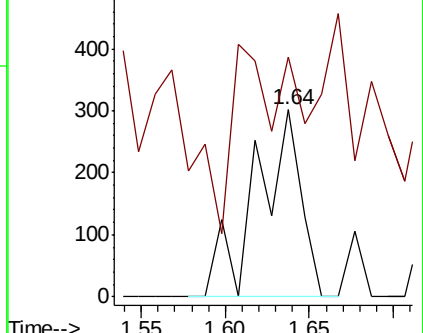
74 100

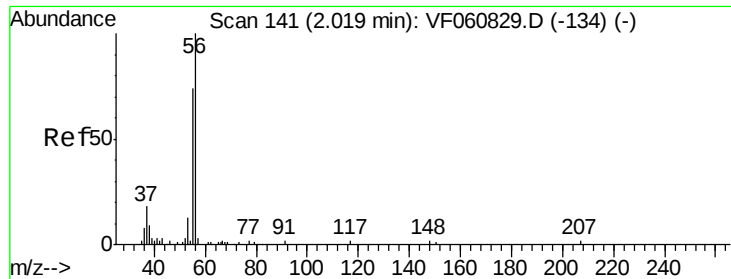
45 128.1 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#13

Acrolein

Concen: 4.389 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.14 min

Lab File: VF060939.D

Acq: 7 Dec 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

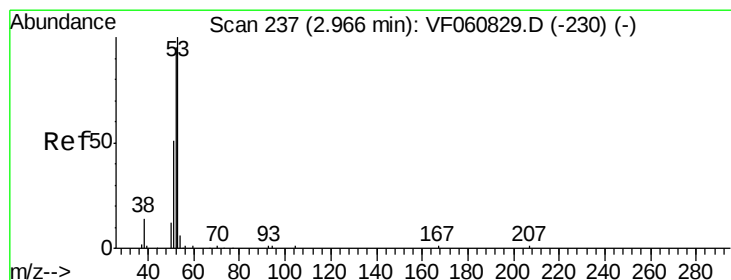
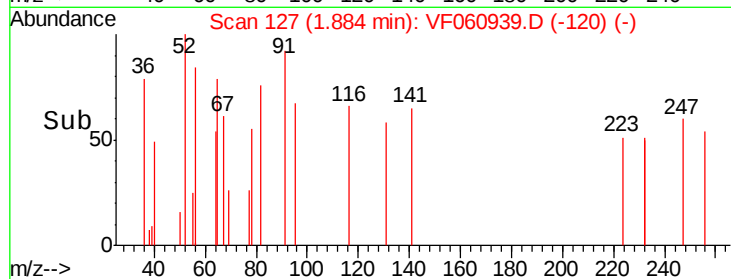
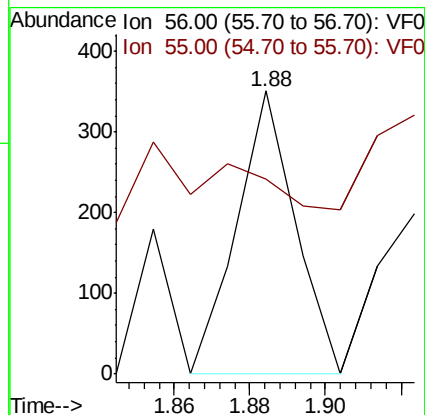
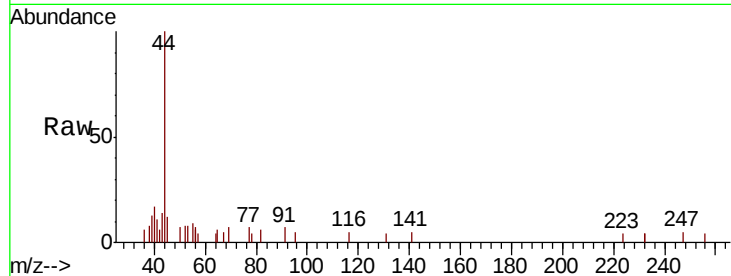
SB-3(0-2)

Tot Ion: 56 Resp: 374

Ion Ratio Lower Upper

56 100

55 68.9 61.2 91.8



#15

Acrylonitrile

Concen: 3.328 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.06 min

Lab File: VF060939.D

Acq: 7 Dec 2018 20:03

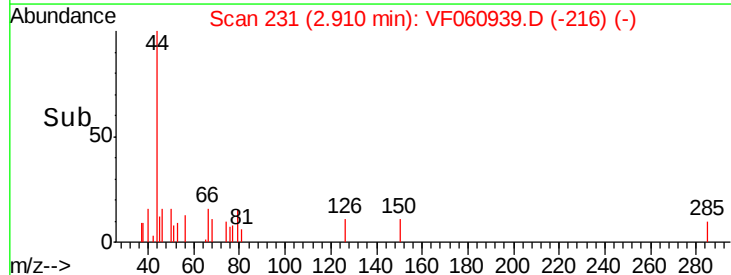
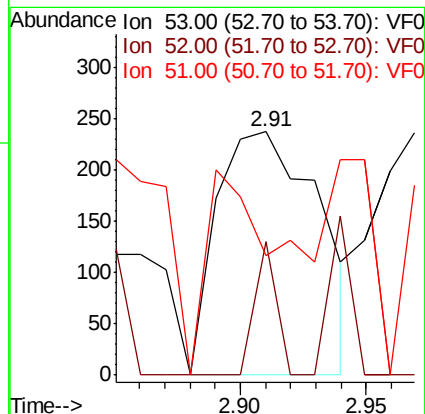
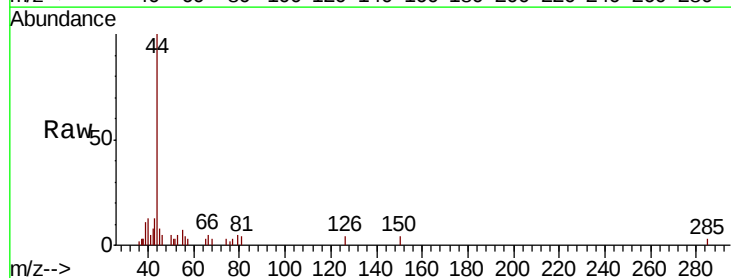
Tgt Ion: 53 Resp: 671

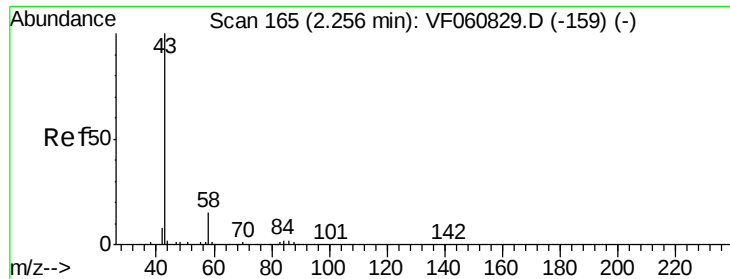
Ion Ratio Lower Upper

53 100

52 54.6 76.5 114.7#

51 49.2 40.7 61.1





#16

Acetone

Concen: 5.709 ug/l

RT: 2.21 min Scan# 160

Delta R.T. -0.05 min

Lab File: VF060939.D

Acq: 7 Dec 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

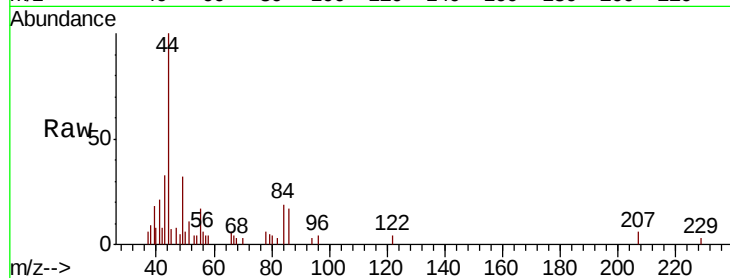
SB-3(0-2)

Tot Ion: 43 Resp: 2310

Ion Ratio Lower Upper

43 100

58 12.4 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.21

1200

1000

800

600

400

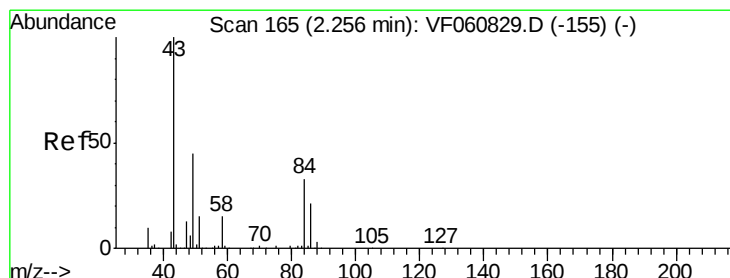
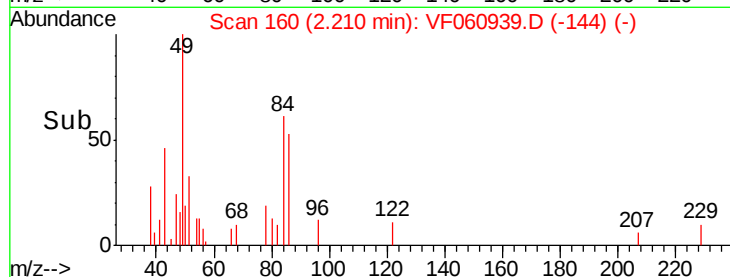
200

0

Time-->

2.20

2.25



#20

Methylene Chloride

Concen: 2.906 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060939.D

Acq: 7 Dec 2018 20:03

Tgt Ion: 84 Resp: 4314

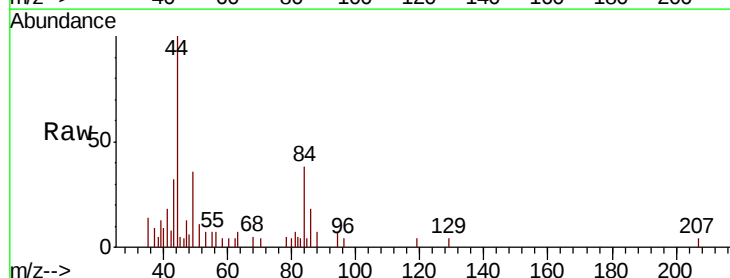
Ion Ratio Lower Upper

84 100

49 85.8 111.3 166.9#

51 26.0 38.0 57.0#

86 42.3 49.8 74.8#



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

2000

1500

1000

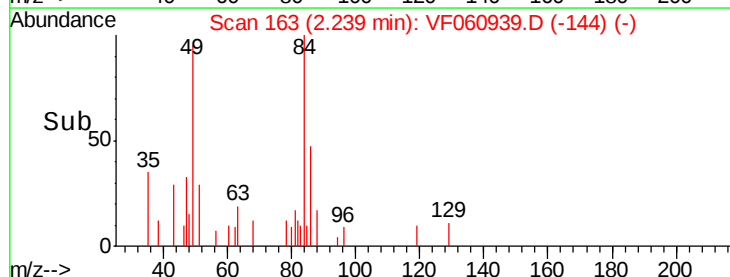
500

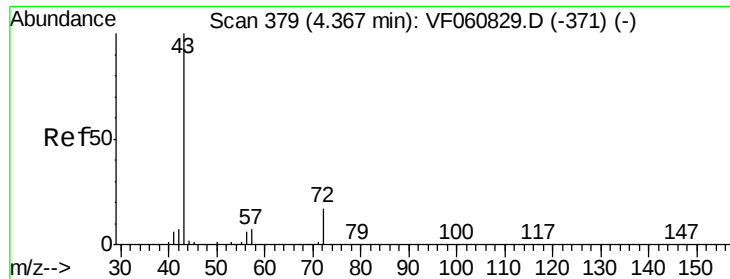
0

Time-->

2.20

2.30

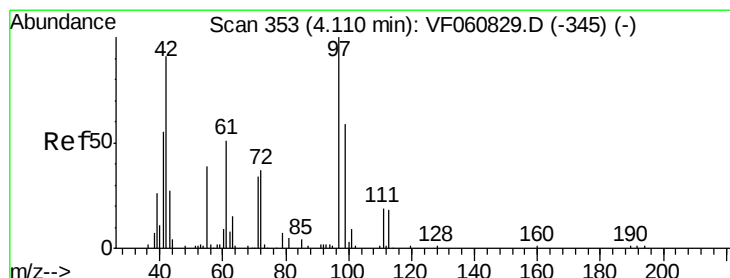
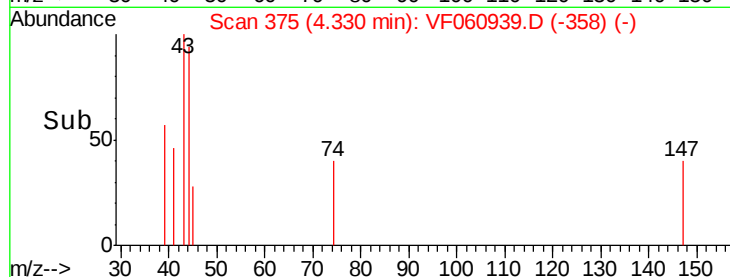
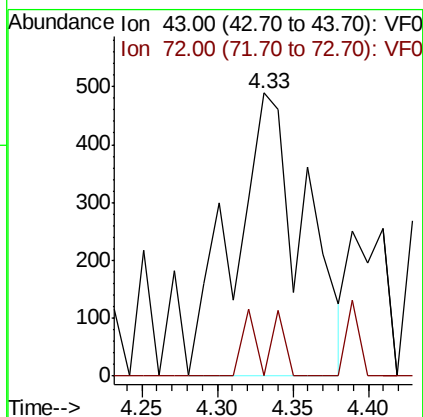
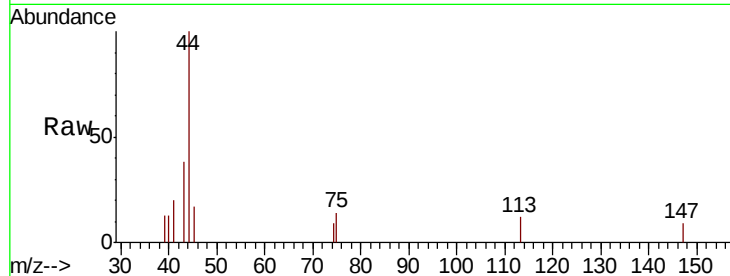




#25
2-Butanone
Concen: 2.275 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.04 min
Lab File: VF060939.D
Acq: 7 Dec 2018 20:03

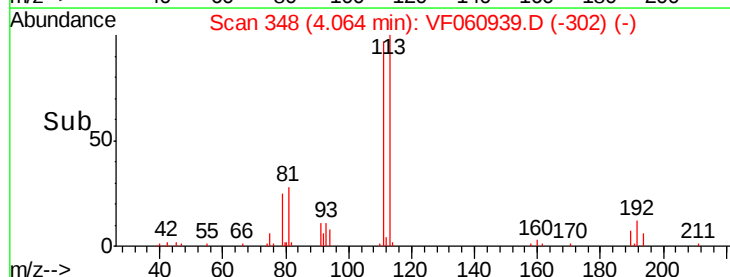
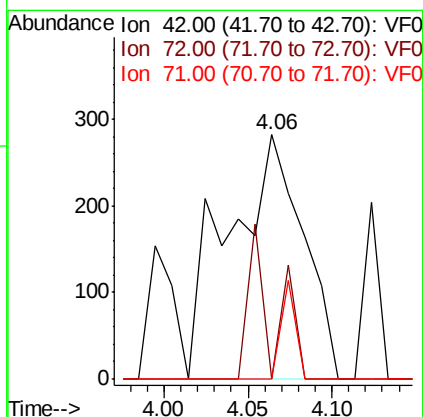
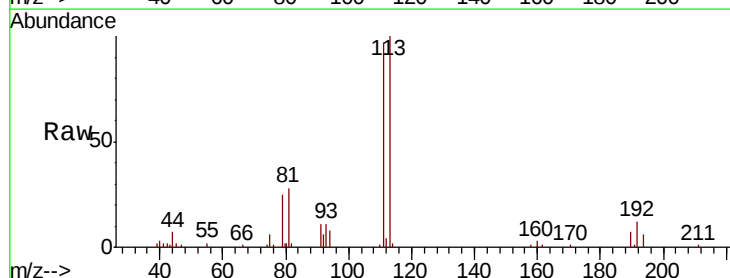
Instrument :
MSVOA_F
ClientSampleId :
SB-3(0-2)

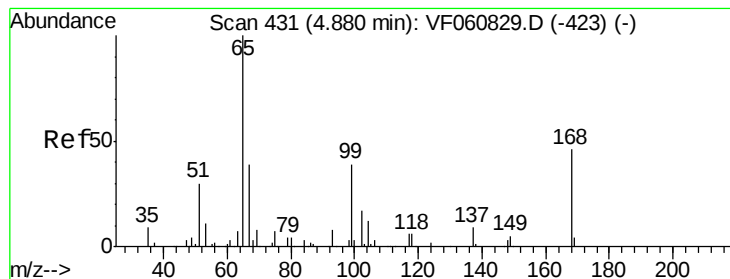
Tot Ion: 43 Resp: 1592
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#



#29
Tetrahydrofuran
Concen: 2.950 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.05 min
Lab File: VF060939.D
Acq: 7 Dec 2018 20:03

Tgt Ion: 42 Resp: 875
Ion Ratio Lower Upper
42 100
72 20.9 31.9 47.9#
71 7.7 28.7 43.1#





#33

1,2-Dichloroethane-d4

Concen: 53.783 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.06 min

Lab File: VF060939.D

Acq: 7 Dec 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

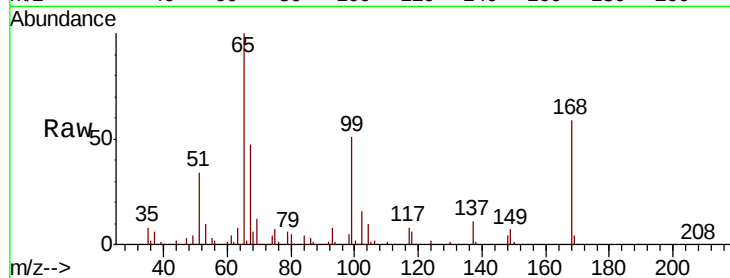
SB-3(0-2)

Tot Ion: 65 Resp: 118004

Ion Ratio Lower Upper

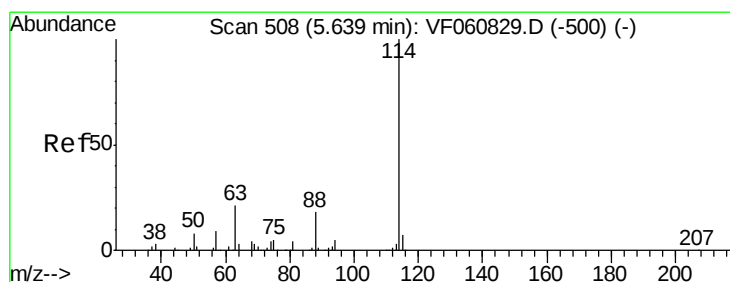
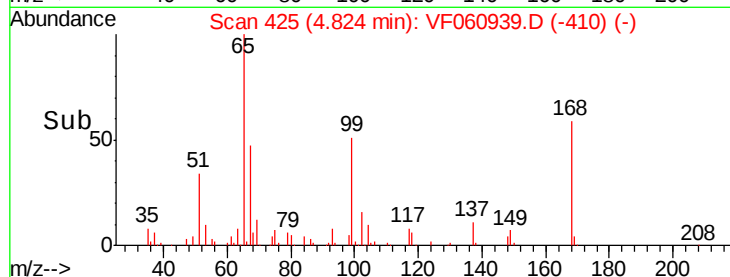
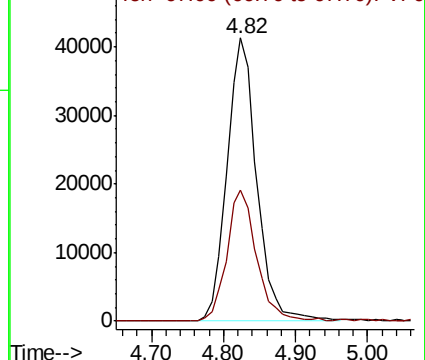
65 100

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: 5.58 min Scan# 502

Delta R.T. -0.06 min

Lab File: VF060939.D

Acq: 7 Dec 2018 20:03

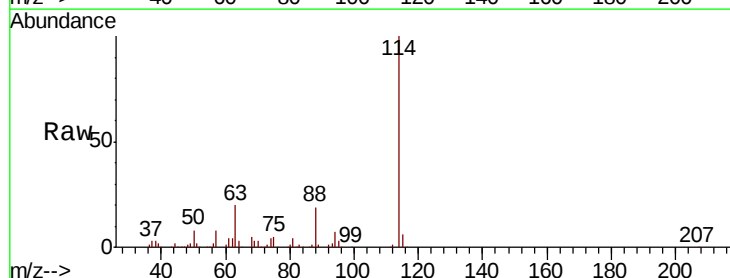
Tgt Ion: 114 Resp: 320821

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

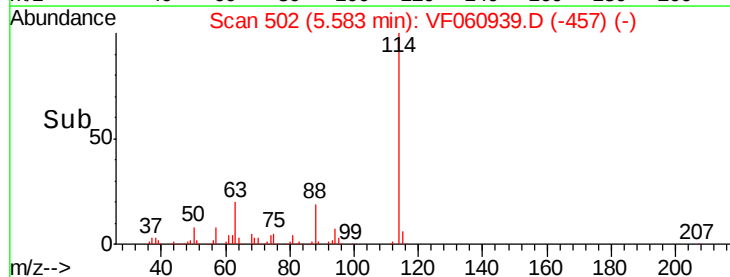
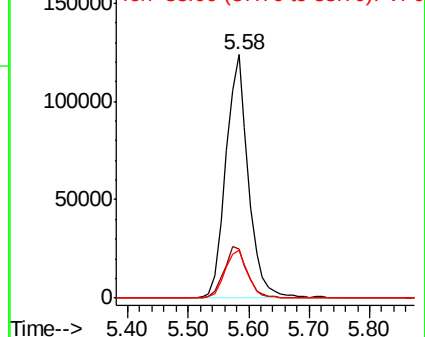
88 19.5 0.0 36.6

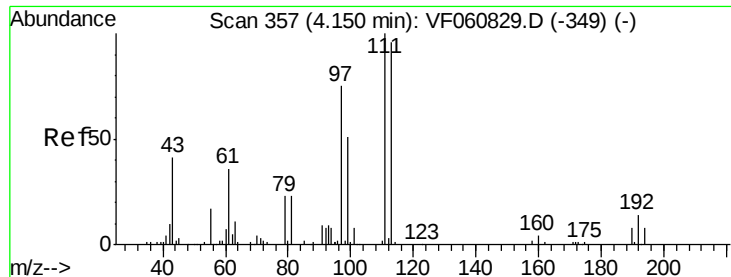


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

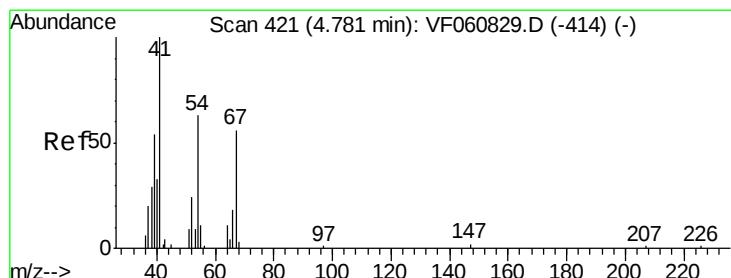
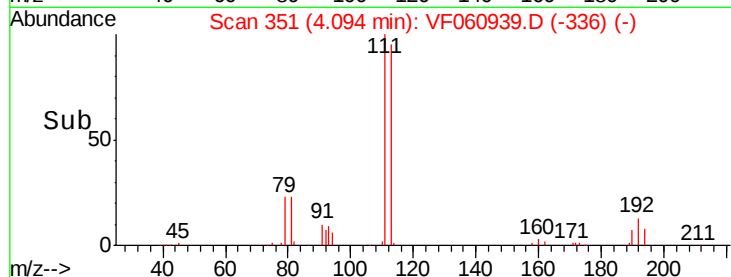
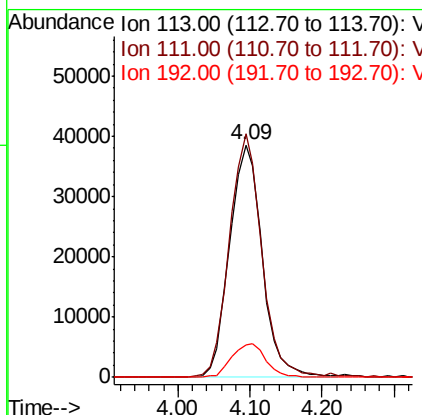
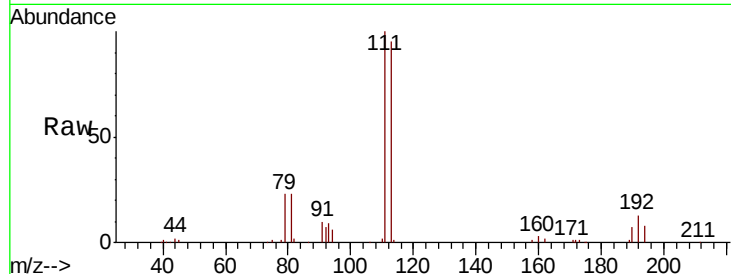




#35
Dibromofluoromethane
Concen: 48.021 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.06 min
Lab File: VF060939.D
Acq: 7 Dec 2018 20:03

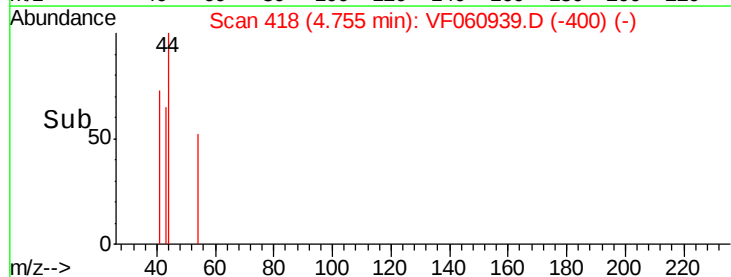
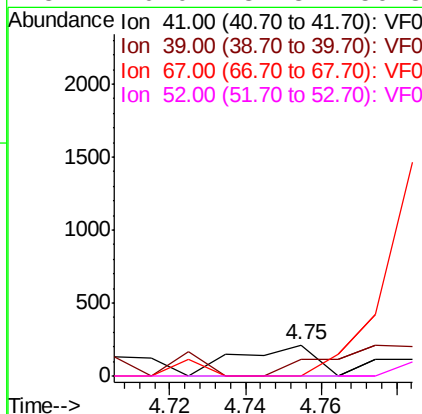
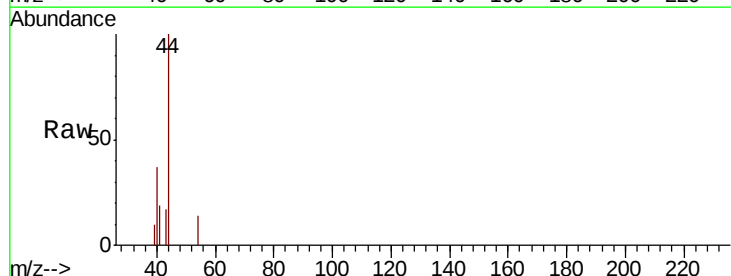
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MSVOA_F
ClientSampleId :
SB-3(0-2)

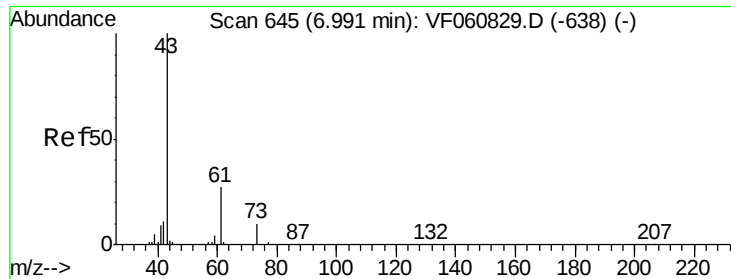
Tot Ion:113 Resp: 122221
Ion Ratio Lower Upper
113 100
111 104.7 83.0 124.6
192 13.9 12.3 18.5



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.75 min Scan# 418
Delta R.T. -0.03 min
Lab File: VF060939.D
Acq: 7 Dec 2018 20:03

Tgt Ion: 41 Resp: 299
Ion Ratio Lower Upper
41 100
39 52.6 53.0 79.6#
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#

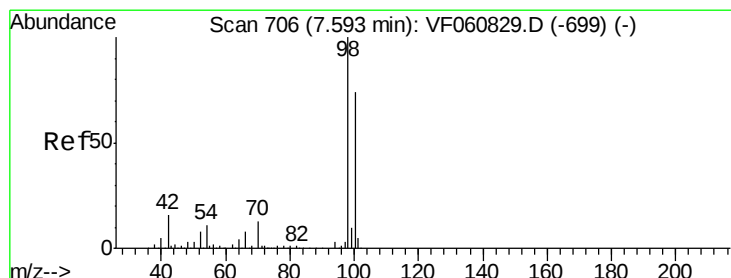
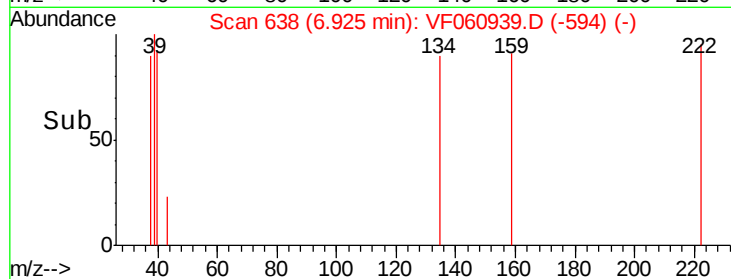
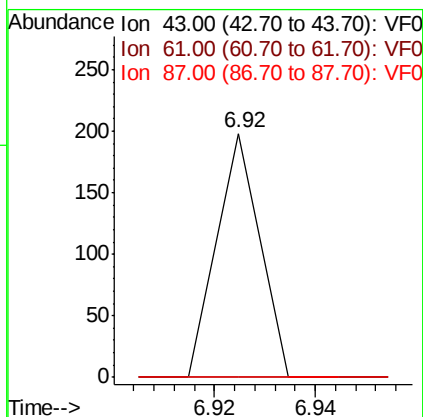
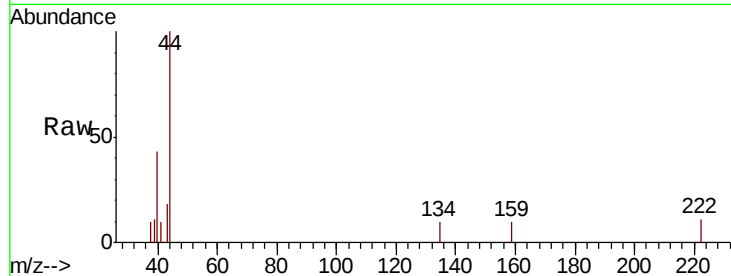




#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.92 min Scan# 638
Delta R.T. -0.07 min
Lab File: VF060939.D
Acq: 7 Dec 2018 20:03

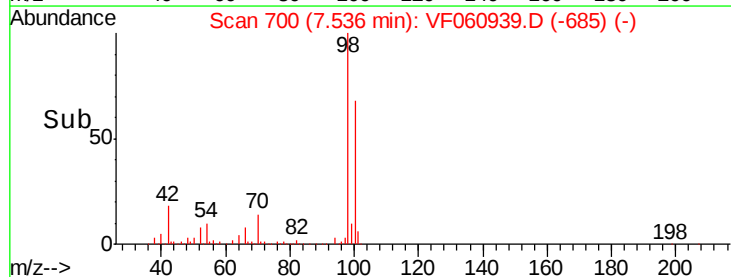
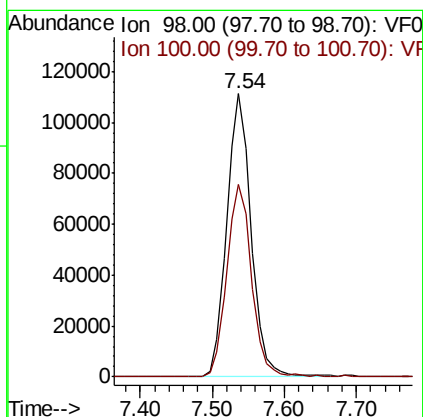
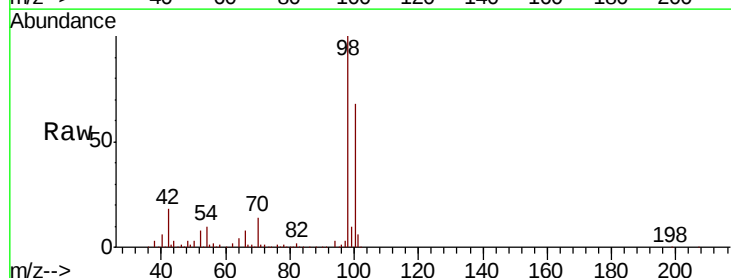
Instrument :
MSVOA_F
ClientSampleId :
SB-3(0-2)

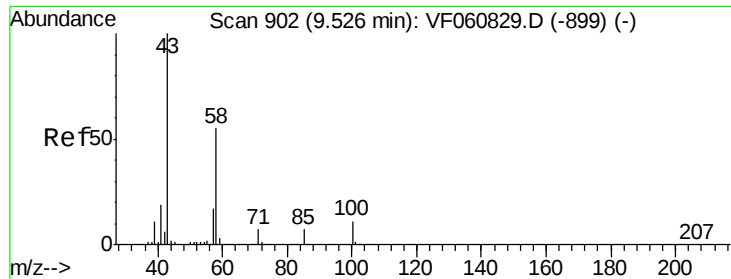
Tot Ion: 43 Resp: 117
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.0#
87 0.0 0.2 0.4#



#50
Toluene-d8
Concen: 34.933 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.06 min
Lab File: VF060939.D
Acq: 7 Dec 2018 20:03

Tgt Ion: 98 Resp: 261905
Ion Ratio Lower Upper
98 100
100 68.2 59.3 88.9

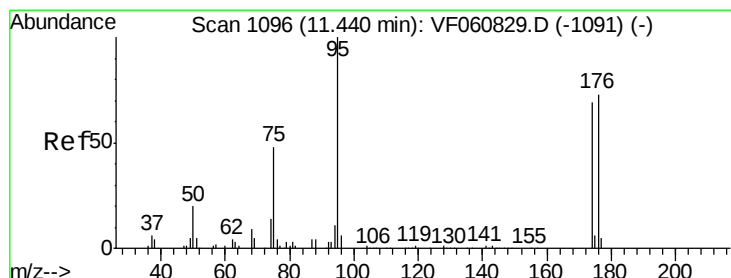
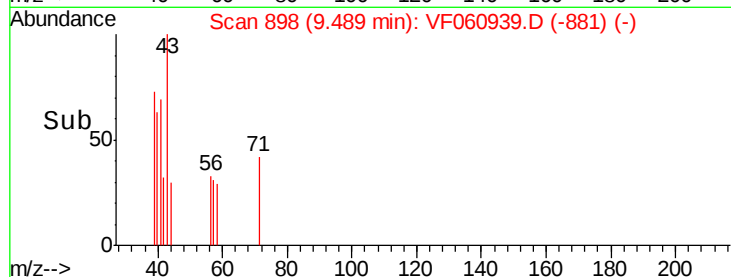
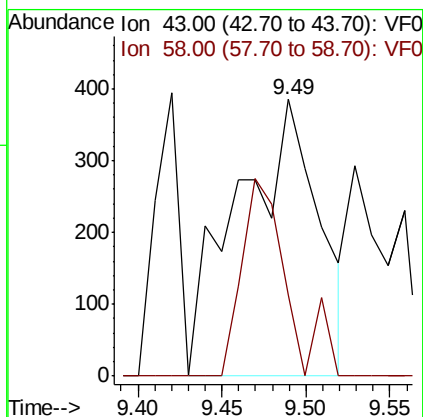
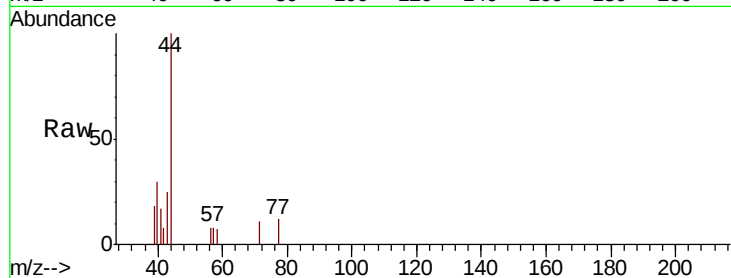




#59
2-Hexanone
Concen: 1.384 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF060939.D
Acq: 7 Dec 2018 20:03

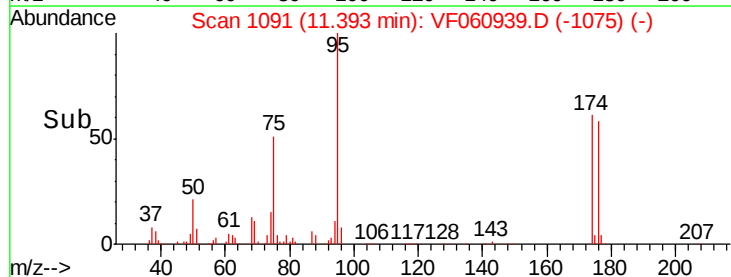
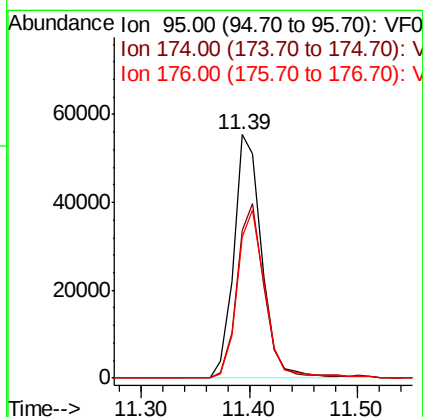
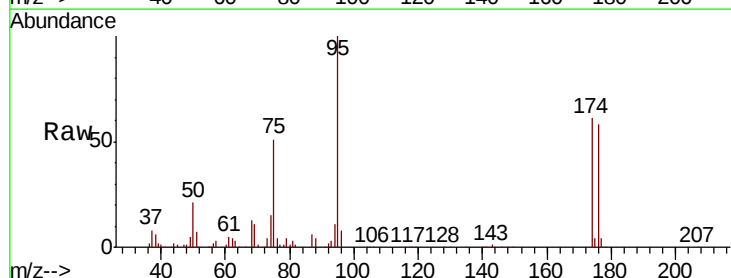
Instrument :
MSVOA_F
ClientSampleId :
SB-3(0-2)

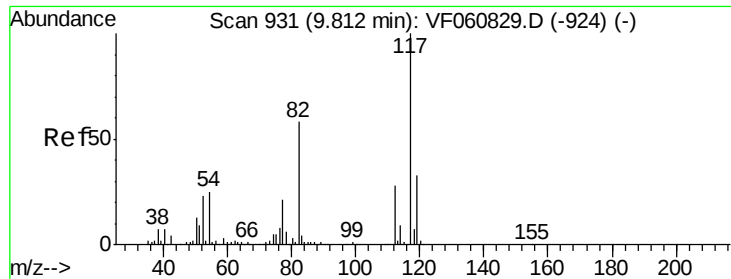
Tot Ion: 43 Resp: 1295
Ion Ratio Lower Upper
43 100
58 29.4 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 29.341 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.05 min
Lab File: VF060939.D
Acq: 7 Dec 2018 20:03

Tgt Ion: 95 Resp: 99977
Ion Ratio Lower Upper
95 100
174 60.7 0.0 138.2
176 57.9 0.0 146.2

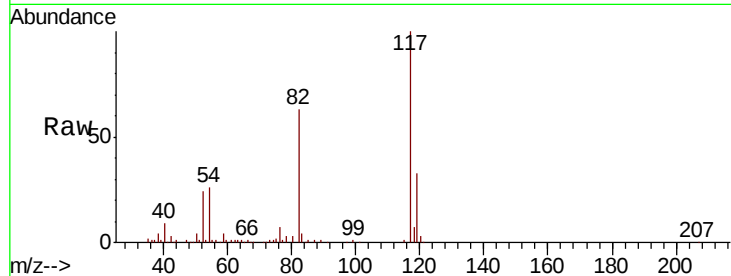




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.06 min
Lab File: VF060939.D
Acq: 7 Dec 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
SB-3(0-2)

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.5	46.6	69.8
119	32.9	26.4	39.6

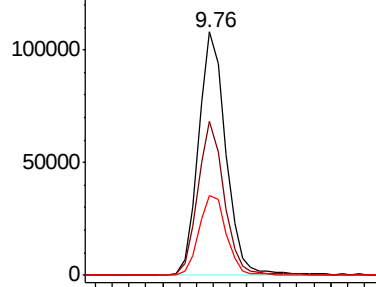


Abundance

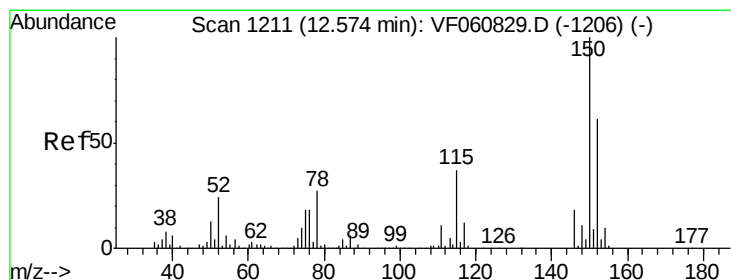
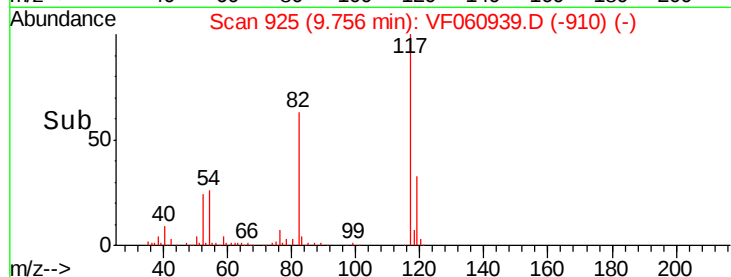
Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

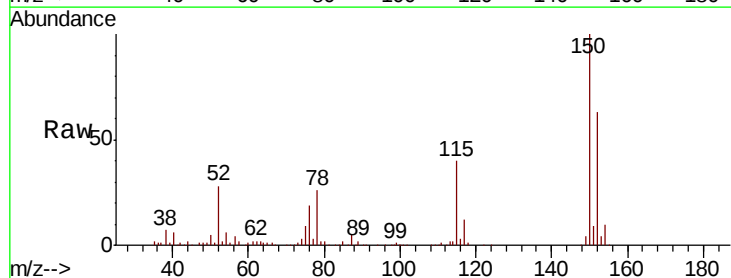


Time-->



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.04 min
Lab File: VF060939.D
Acq: 7 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	30.1	90.5
150	158.9	0.0	327.6

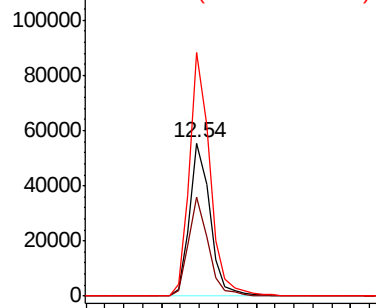


Abundance

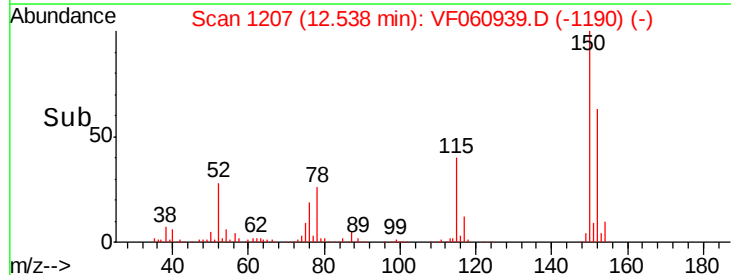
Ion 152.00 (151.70 to 152.70): V

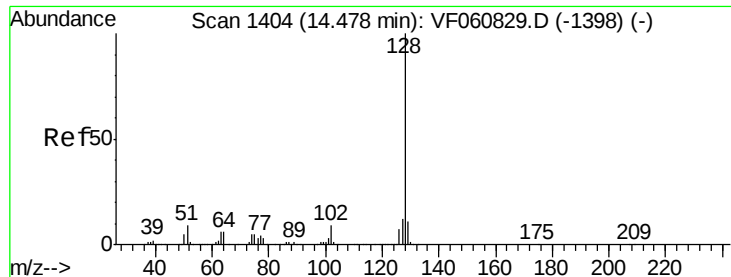
Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



Time-->

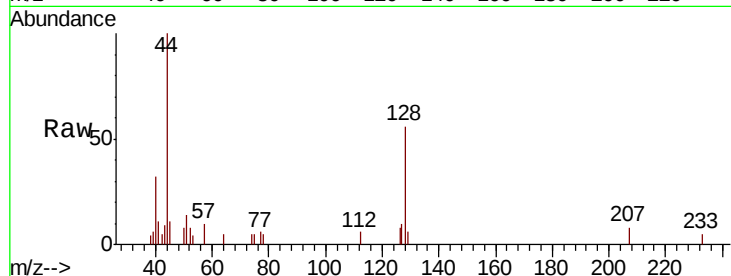




#95
Naphthalene
Concen: Below Cal
RT: 14.44 min Scan# 1400
Delta R.T. -0.04 min
Lab File: VF060939.D
Acq: 7 Dec 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
SB-3(0-2)

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.1	9.9	14.9
129	11.3	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

