

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121018\
 Data File : VF060965.D
 Acq On : 10 Dec 2018 20:44
 Operator : VA/AP
 Sample : J6214-43
 Misc : 4.72g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 11 04:59:13 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	4.86	168	236420	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	391258	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	340568	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	168392	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	127518	45.79	ug/l	-0.04
Spiked Amount			Recovery	=	91.58%	
35) Dibromofluoromethane	4.11	113	139966	45.09	ug/l	-0.04
Spiked Amount			Recovery	=	90.18%	
50) Toluene-d8	7.55	98	321492	35.16	ug/l	-0.04
Spiked Amount			Recovery	=	70.32%	
62) 4-Bromofluorobenzene	11.41	95	150397	36.19	ug/l	-0.03
Spiked Amount			Recovery	=	72.38%	

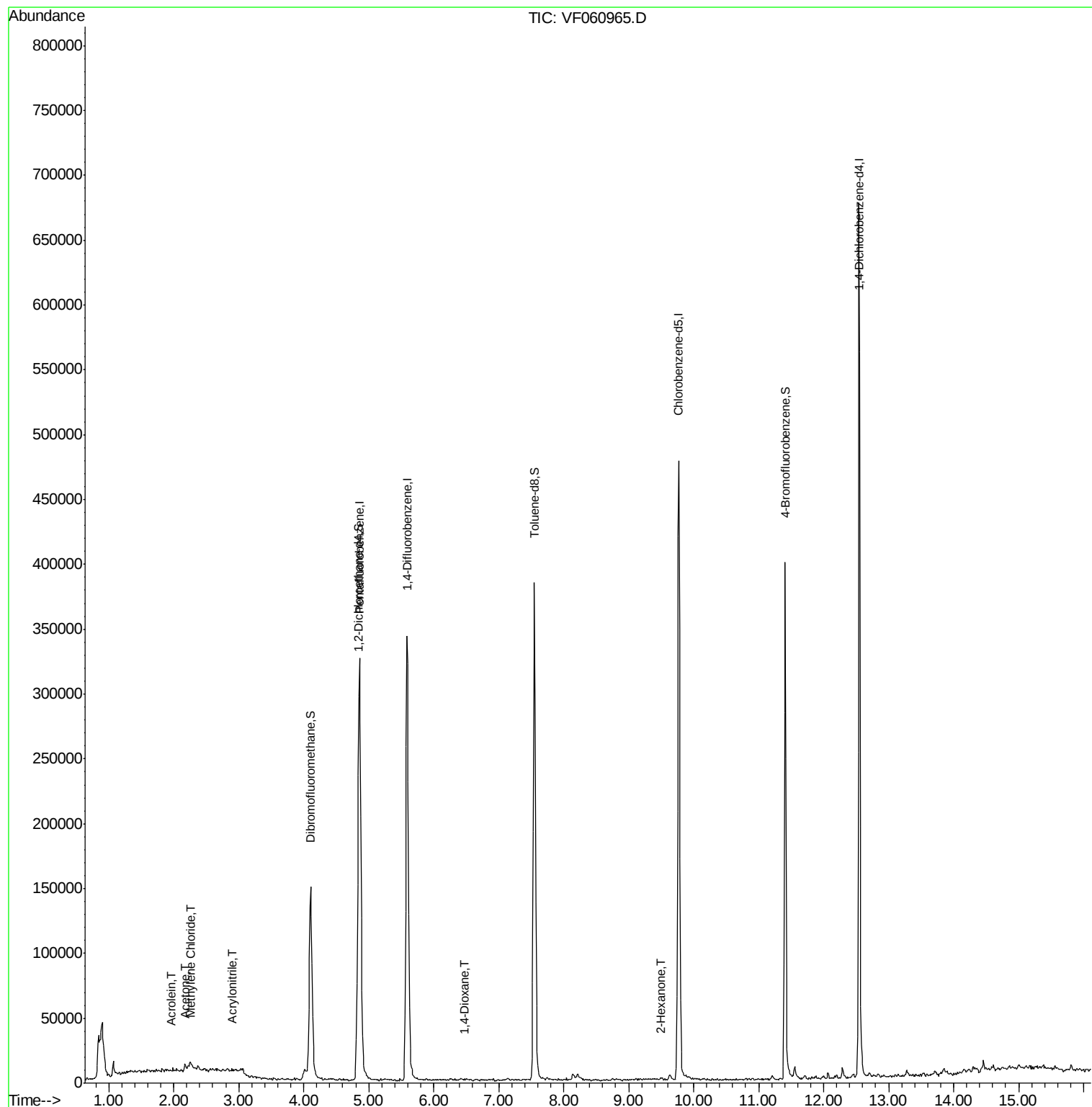
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	1.97	56	250	2.311	ug/l	89
15) Acrylonitrile	2.90	53	372	1.453	ug/l #	11
16) Acetone	2.17	43	806	1.569	ug/l	99
18) Methyl Acetate	2.31	43	1285	Below Cal	#	61
20) Methylene Chloride	2.26	84	4050	2.150	ug/l #	91
41) Methacrylonitrile	4.74	41	526	Below Cal	#	49
43) Isopropyl Acetate	6.94	43	137	Below Cal	#	49
49) 1,4-Dioxane	6.47	88	66	5.649	ug/l #	17
59) 2-Hexanone	9.50	43	1887	1.654	ug/l	92
95) Naphthalene	14.46	128	3144	Below Cal	#	91

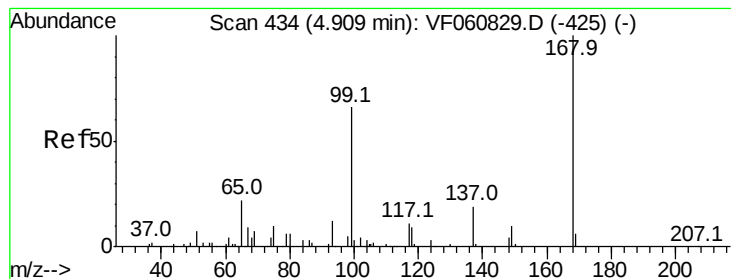
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF060965.D

Acq: 10 Dec 2018 20:44

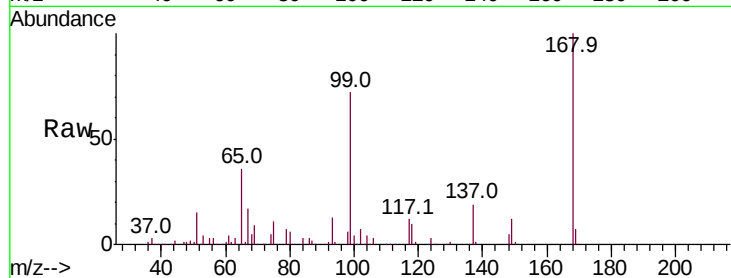
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 236420

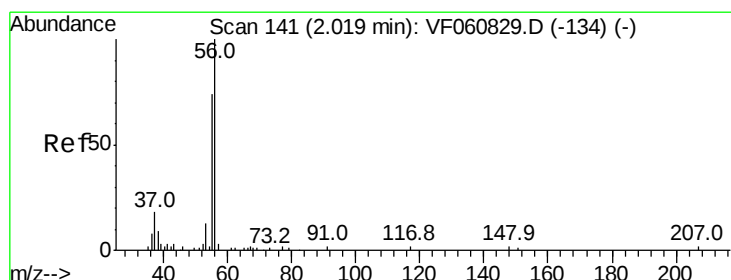
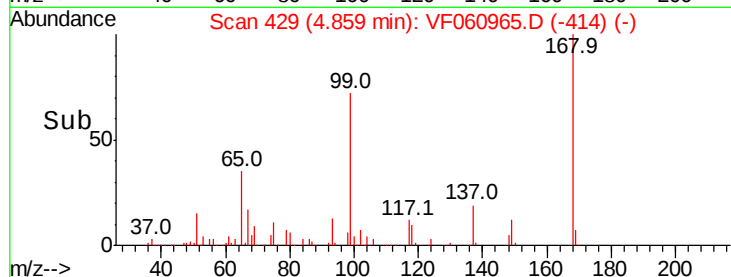
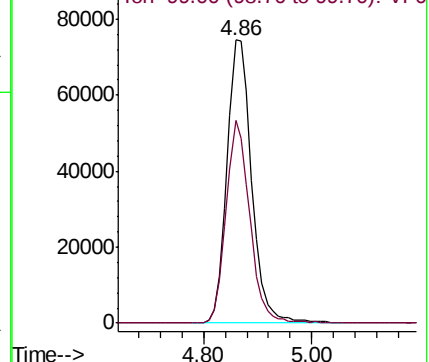
Ion Ratio Lower Upper

168 100

99 71.6 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#13

Acrolein

Concen: 2.311 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.05 min

Lab File: VF060965.D

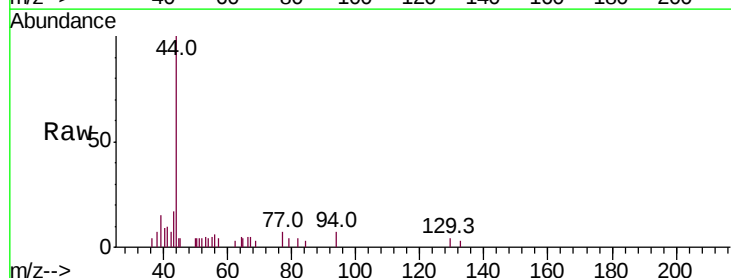
Acq: 10 Dec 2018 20:44

Tgt Ion: 56 Resp: 250

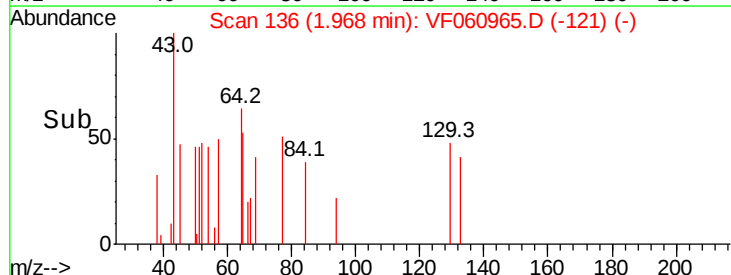
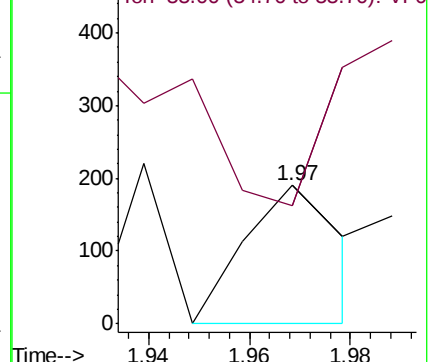
Ion Ratio Lower Upper

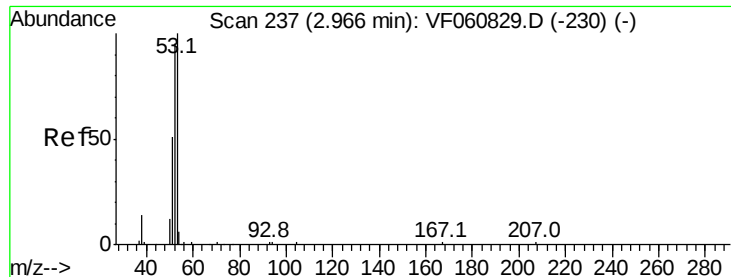
56 100

55 85.8 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0





#15

Acrylonitrile

Concen: 1.453 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.07 min

Lab File: VF060965.D

Acq: 10 Dec 2018 20:44

Instrument :
MSVOA_F
ClientSampleId :

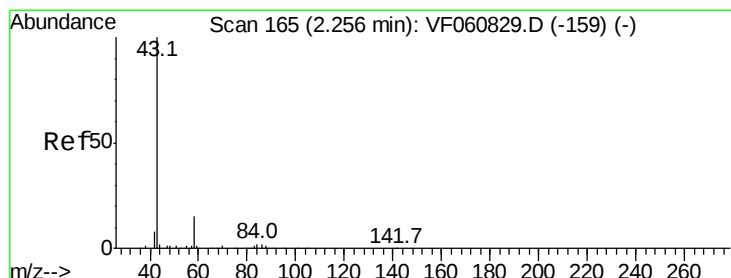
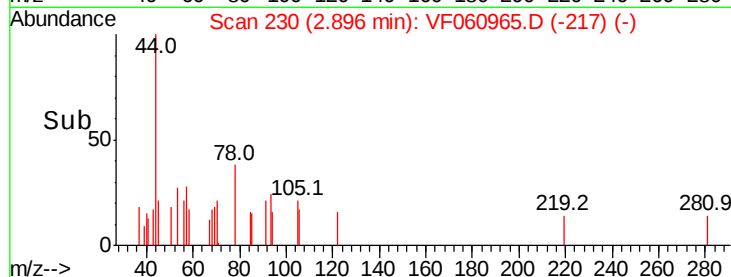
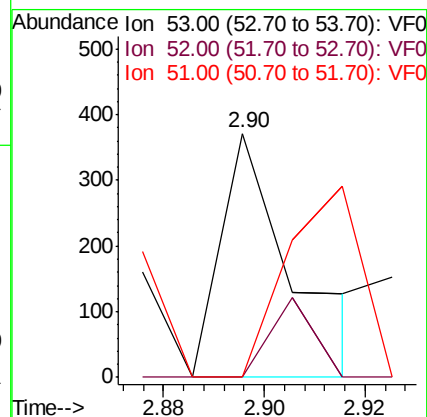
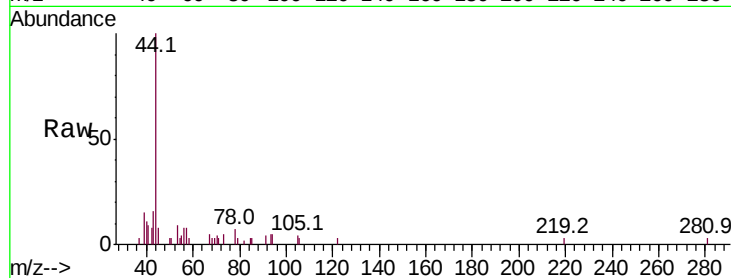
Tot Ion: 53 Resp: 372

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

51 0.0 40.7 61.1#



#16

Acetone

Concen: 1.569 ug/l

RT: 2.17 min Scan# 156

Delta R.T. -0.09 min

Lab File: VF060965.D

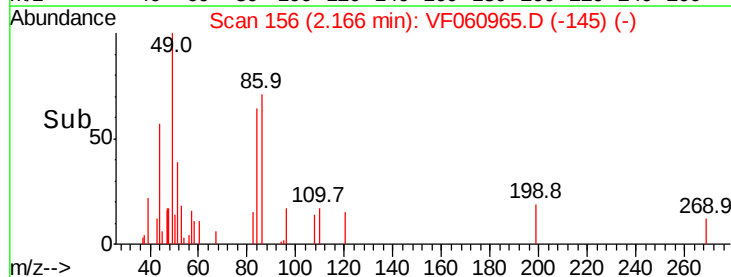
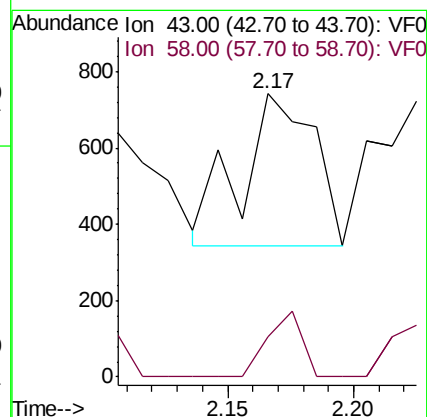
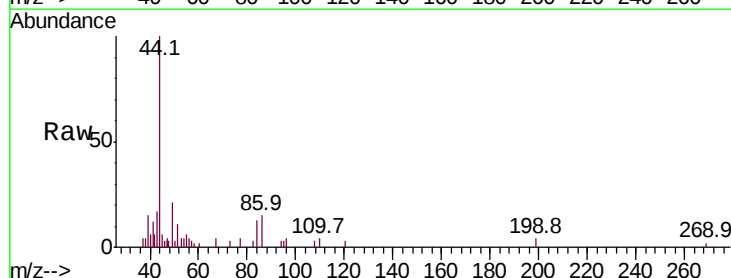
Acq: 10 Dec 2018 20:44

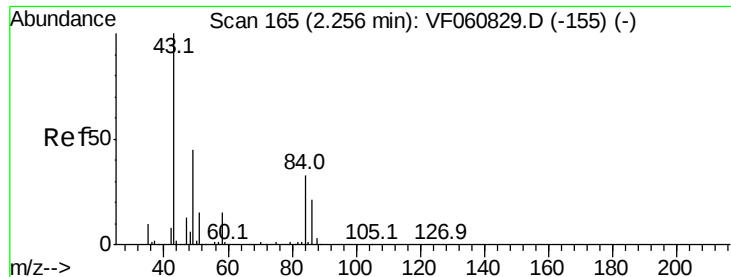
Tgt Ion: 43 Resp: 806

Ion Ratio Lower Upper

43 100

58 14.0 11.4 17.2





#20

Methylene Chloride

Concen: 2.150 ug/l

RT: 2.26 min Scan# 166

Delta R.T. 0.01 min

Lab File: VF060965.D

Acq: 10 Dec 2018 20:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 84 Resp: 4050

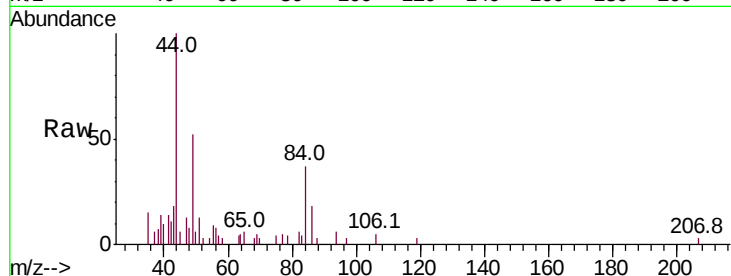
Ion Ratio Lower Upper

84 100

49 141.2 111.3 166.9

51 34.0 38.0 57.0#

86 49.5 49.8 74.8#

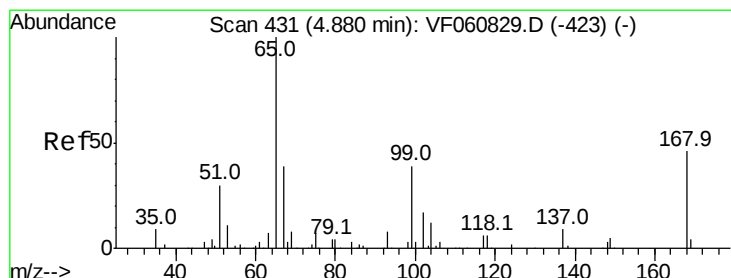
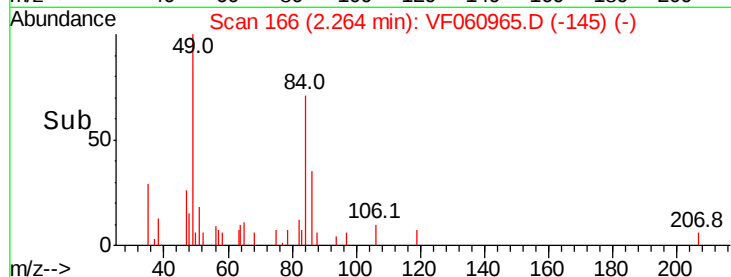
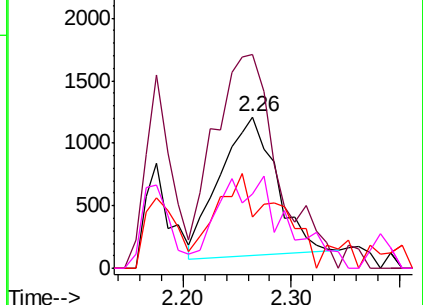


Abundance Ion 84.00 (83.70 to 84.70): VF0

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



#33

1,2-Dichloroethane-d4

Concen: 45.786 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060965.D

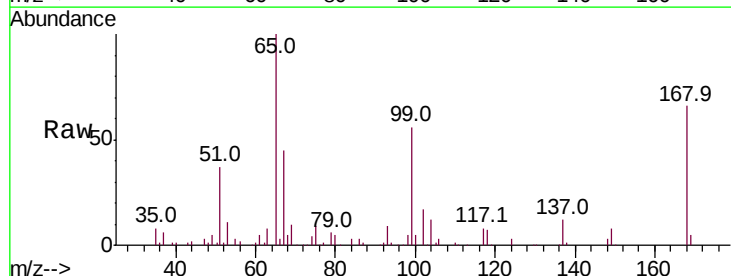
Acq: 10 Dec 2018 20:44

Tgt Ion: 65 Resp: 127518

Ion Ratio Lower Upper

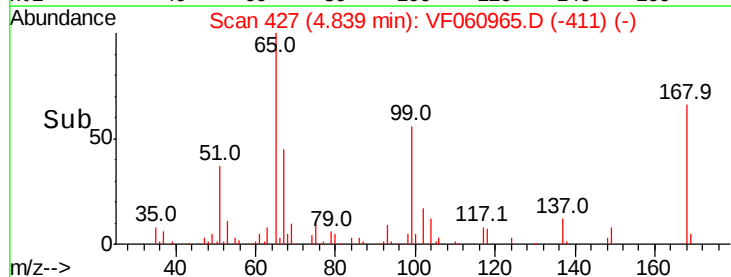
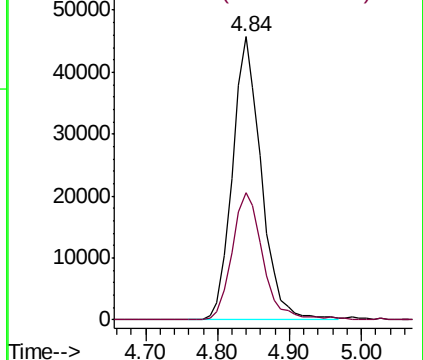
65 100

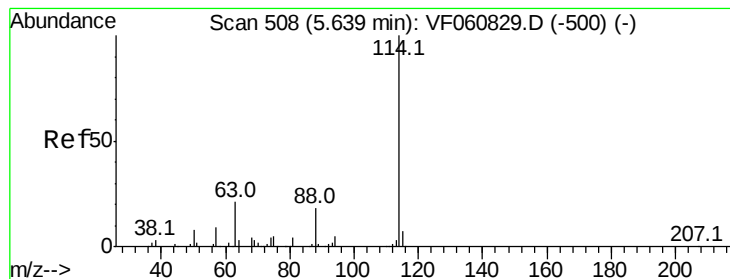
67 44.7 0.0 96.4



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: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF060965.D

Acq: 10 Dec 2018 20:44

Instrument :
MSVOA_F
ClientSampleId :

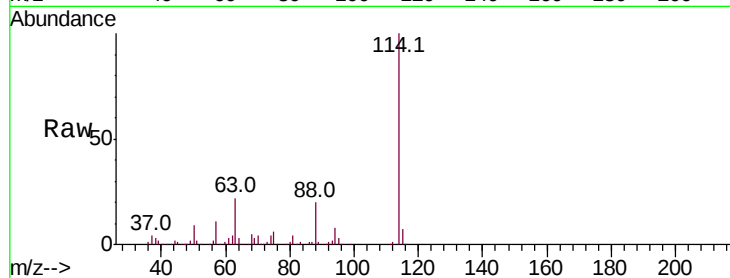
Tot Ion:114 Resp: 391258

Ion Ratio Lower Upper

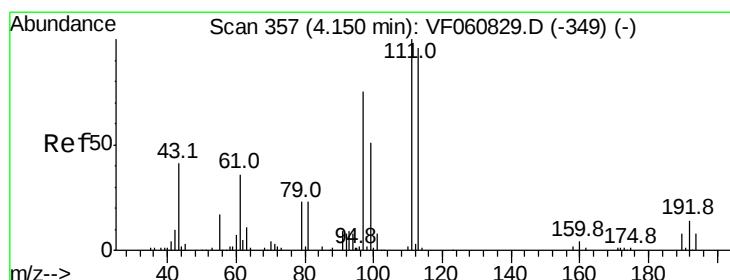
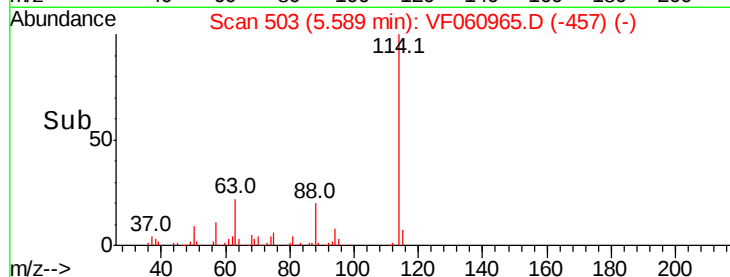
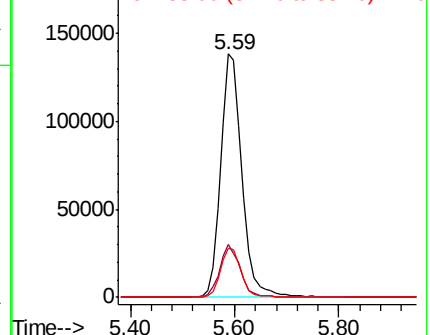
114 100

63 21.5 0.0 41.6

88 20.1 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: 45.093 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060965.D

Acq: 10 Dec 2018 20:44

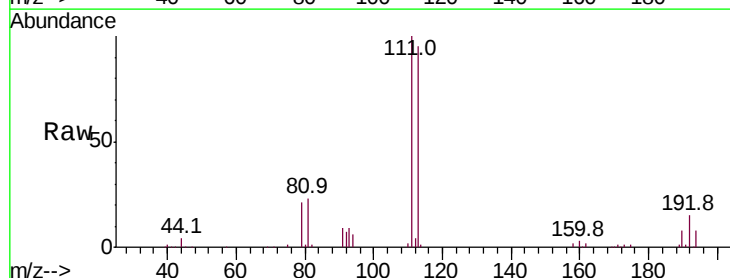
Tgt Ion:113 Resp: 139966

Ion Ratio Lower Upper

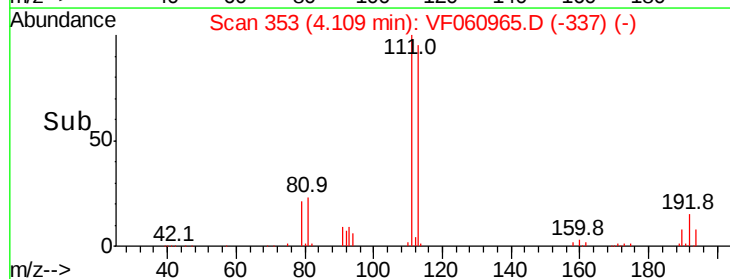
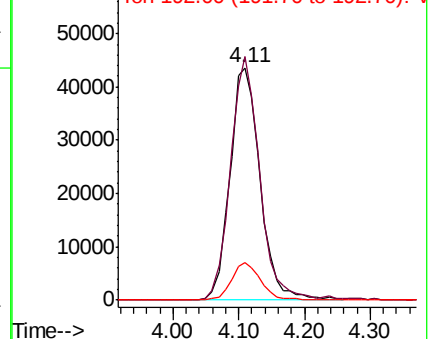
113 100

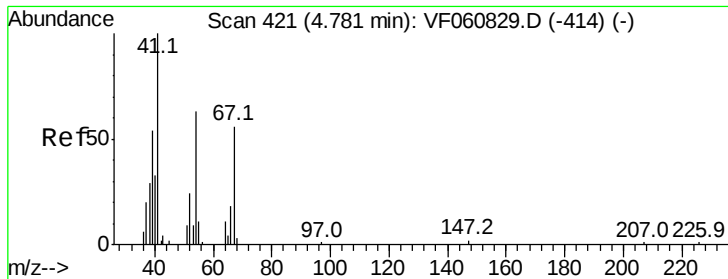
111 104.9 83.0 124.6

192 15.9 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

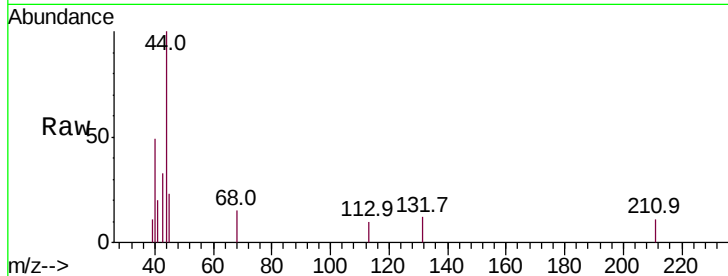




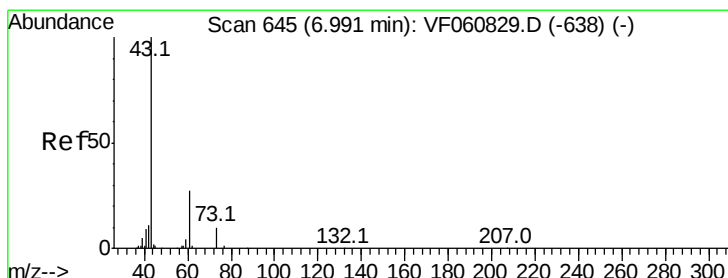
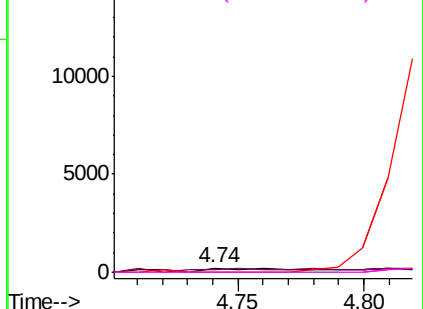
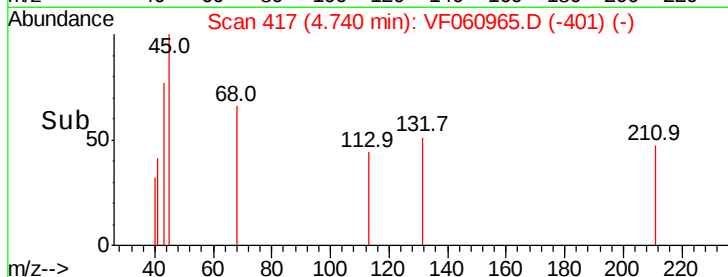
#41
Methacrylonitrile
Concen: Below Cal
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060965.D
Acq: 10 Dec 2018 20:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 526
Ion Ratio Lower Upper
41 100
39 53.8 53.0 79.6
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#

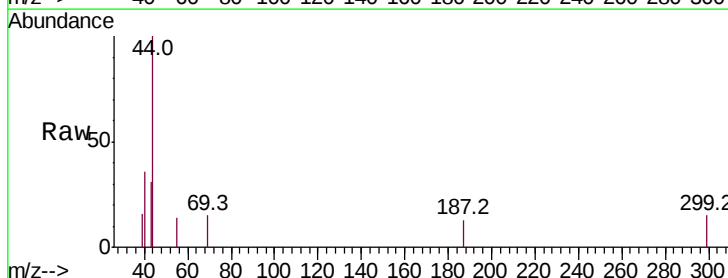


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

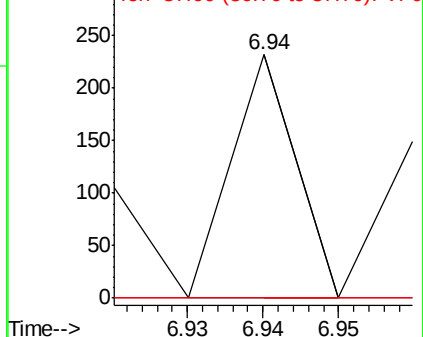
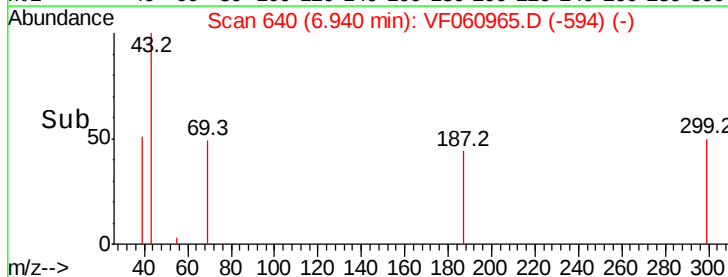


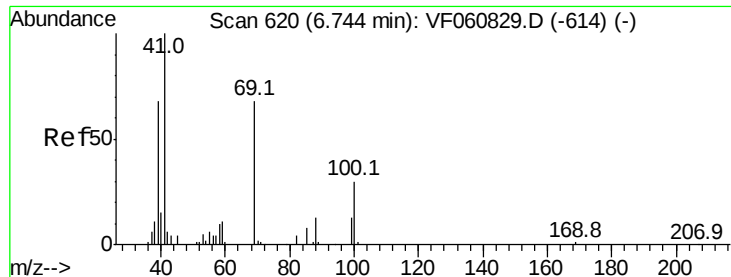
#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.94 min Scan# 640
Delta R.T. -0.05 min
Lab File: VF060965.D
Acq: 10 Dec 2018 20:44

Tgt Ion: 43 Resp: 137
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

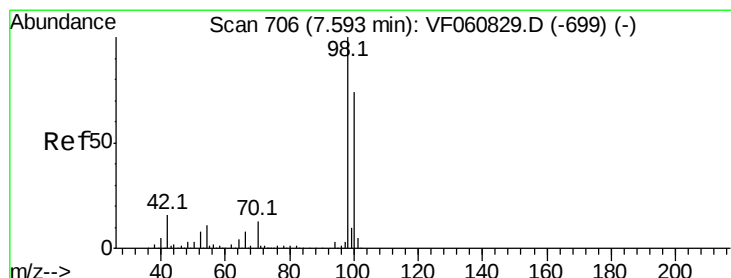
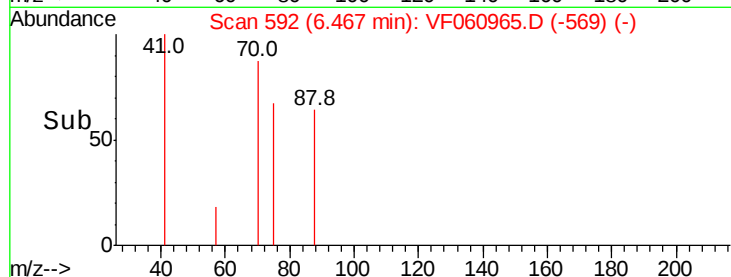
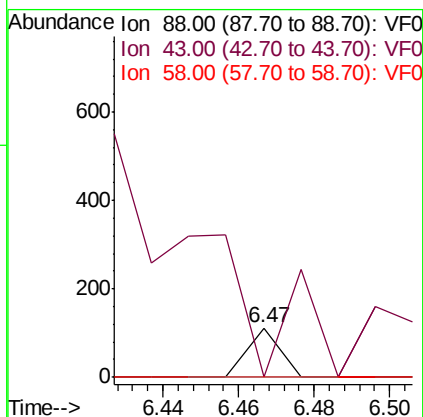
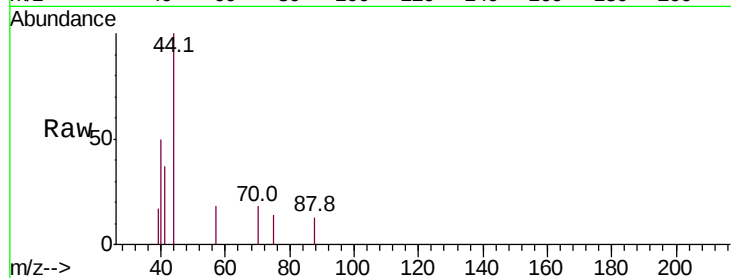




#49
1,4-Dioxane
Concen: 5.649 ug/l
RT: 6.47 min Scan# 592
Delta R.T. -0.28 min
Lab File: VF060965.D
Acq: 10 Dec 2018 20:44

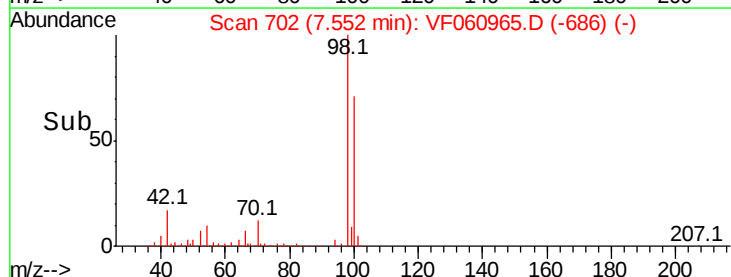
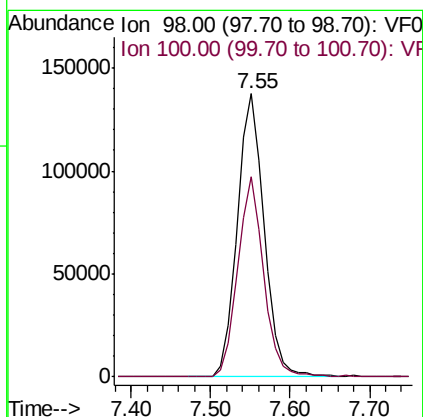
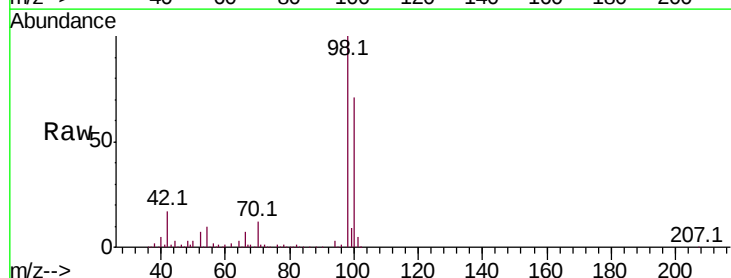
Instrument :
MSVOA_F
ClientSampleId :

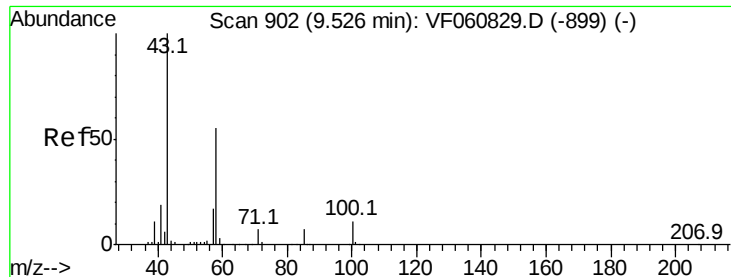
Tot Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 42.0 63.0#
58 0.0 61.8 92.8#



#50
Toluene-d8
Concen: 35.161 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF060965.D
Acq: 10 Dec 2018 20:44

Tgt Ion: 98 Resp: 321492
Ion Ratio Lower Upper
98 100
100 70.6 59.3 88.9

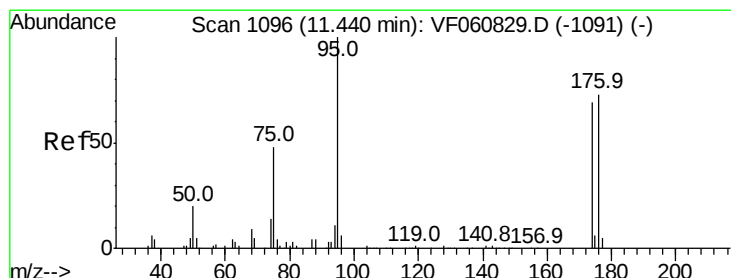
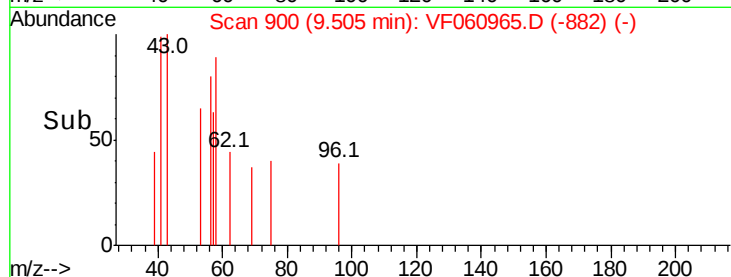
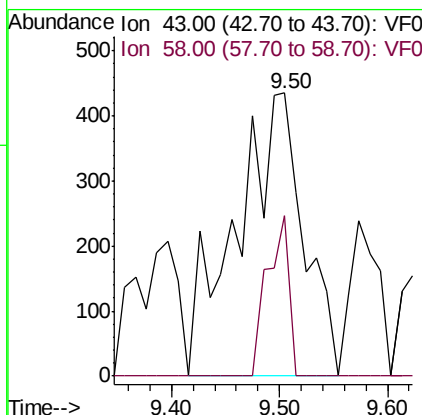
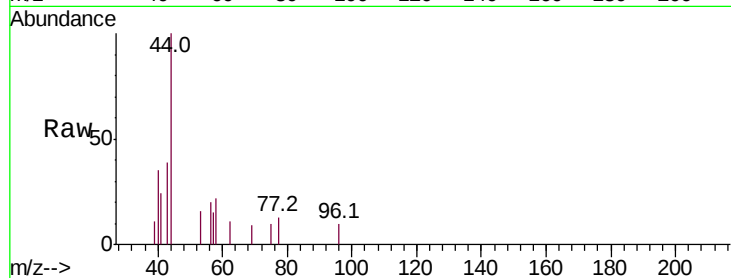




#59
2-Hexanone
Concen: 1.654 ug/l
RT: 9.50 min Scan# 900
Delta R.T. -0.02 min
Lab File: VF060965.D
Acq: 10 Dec 2018 20:44

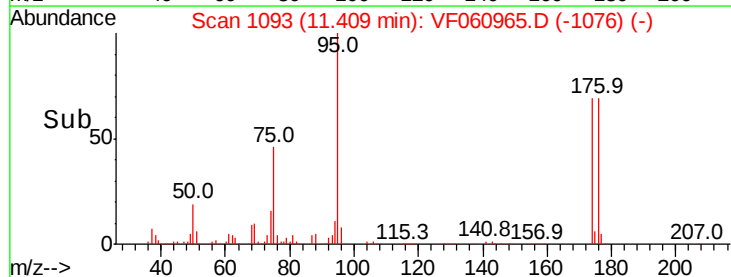
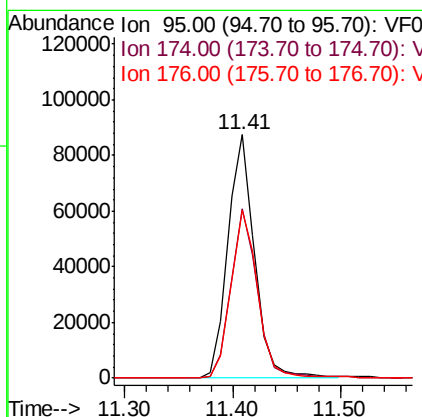
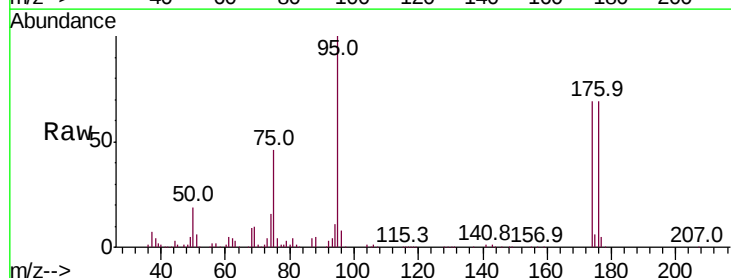
Instrument :
MSVOA_F
ClientSampleId :

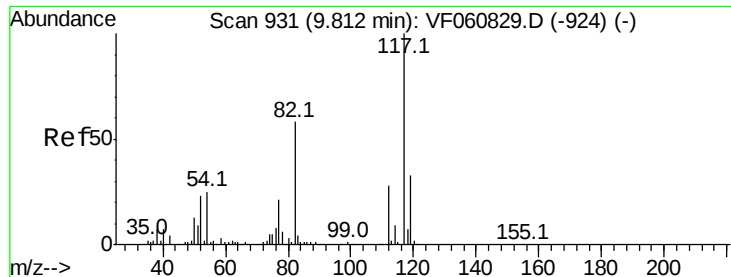
Tot Ion: 43 Resp: 1887
Ion Ratio Lower Upper
43 100
58 56.8 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 36.192 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF060965.D
Acq: 10 Dec 2018 20:44

Tgt Ion: 95 Resp: 150397
Ion Ratio Lower Upper
95 100
174 69.5 0.0 138.2
176 68.9 0.0 146.2

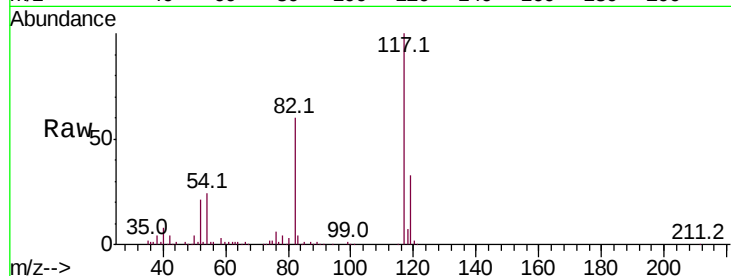




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060965.D
Acq: 10 Dec 2018 20:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	46.6	69.8
119	32.7	26.4	39.6

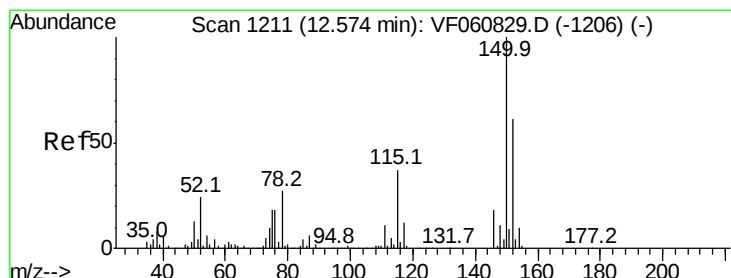
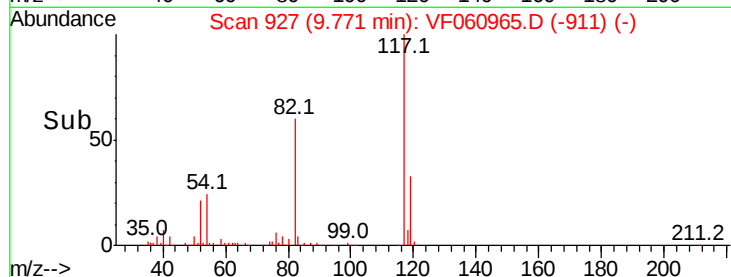
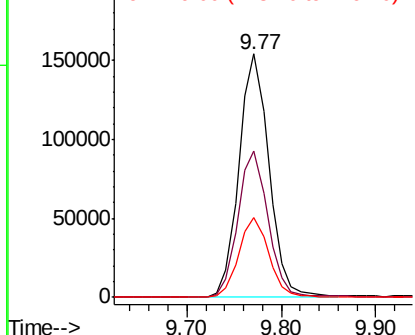


Abundance

Ion 117.00 (116.70 to 117.70): V

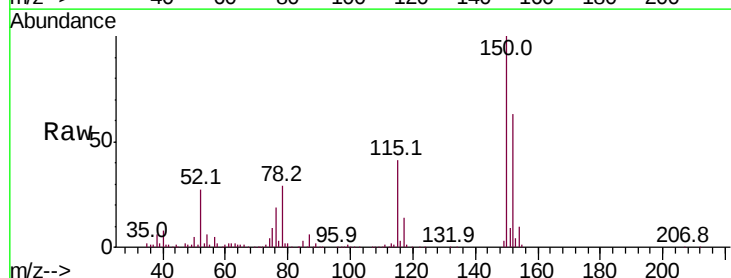
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF060965.D
Acq: 10 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.7	30.1	90.5
150	159.1	0.0	327.6

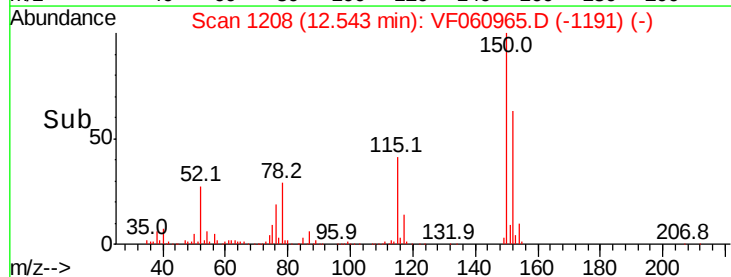
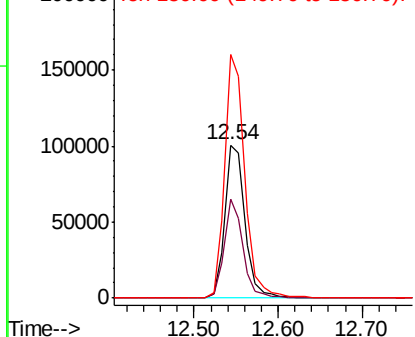


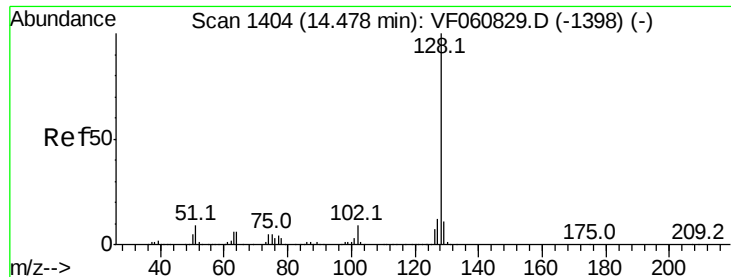
Abundance

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

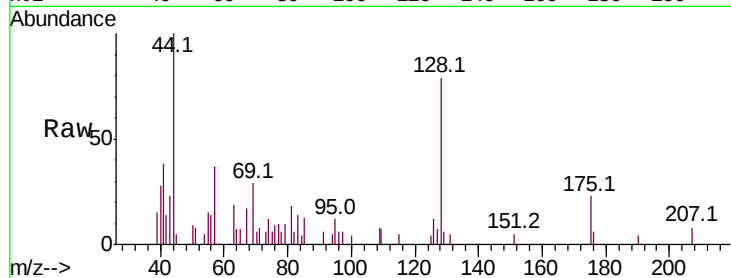




#95
Naphthalene
Concen: Below Cal
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF060965.D
Acq: 10 Dec 2018 20:44

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 3144
Ion Ratio Lower Upper
128 100
127 9.0 9.9 14.9#
129 7.9 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

