

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121418\
 Data File : VF061031.D
 Acq On : 14 Dec 2018 20:32
 Operator : VA/AP
 Sample : J6403-53RE
 Misc : 5.34g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 15 00:09:01 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

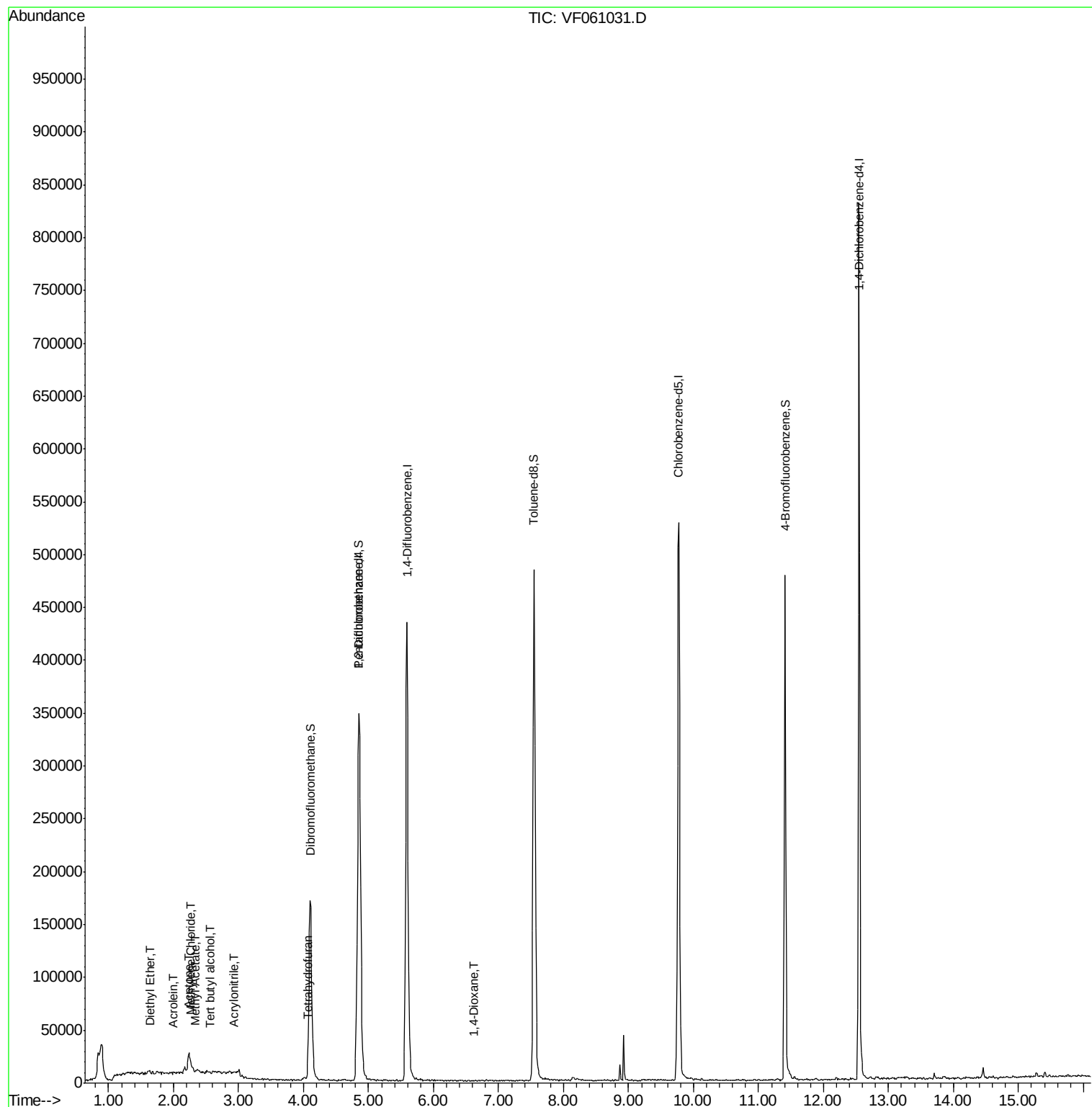
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	262588	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	467501	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	392771	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	193263	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	148255	47.93	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	95.86%	
35) Dibromofluoromethane	4.10	113	166291	44.84	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	89.68%	
50) Toluene-d8	7.54	98	425152	38.92	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	77.84%	
62) 4-Bromofluorobenzene	11.41	95	187938	37.85	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	75.70%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.63	74	1267	1.723	ug/l	61
11) Tert butyl alcohol	2.57	59	402	3.170	ug/l #	30
13) Acrolein	2.01	56	189	1.573	ug/l #	1
15) Acrylonitrile	2.92	53	387	1.361	ug/l #	11
16) Acetone	2.23	43	25980	45.544	ug/l	97
18) Methyl Acetate	2.34	43	2606	1.109	ug/l #	61
20) Methylene Chloride	2.27	84	6587	3.148	ug/l	92
29) Tetrahydrofuran	4.05	42	978	2.338	ug/l #	37
41) Methacrylonitrile	4.73	41	384	Below Cal	#	23
43) Isopropyl Acetate	6.91	43	145	Below Cal	#	49
49) 1,4-Dioxane	6.63	88	71	5.086	ug/l #	17
95) Naphthalene	14.45	128	6209	Below Cal		96

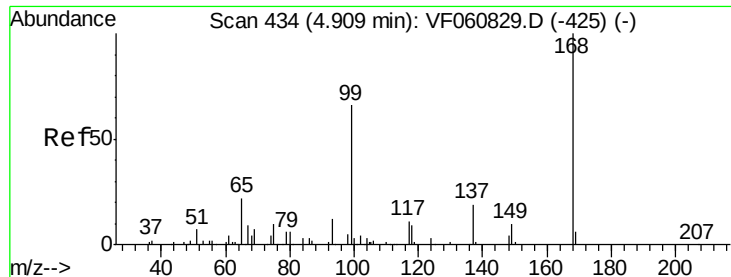
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121418\
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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: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF061031.D

Acq: 14 Dec 2018 20:32

Instrument :

MSVOA_F

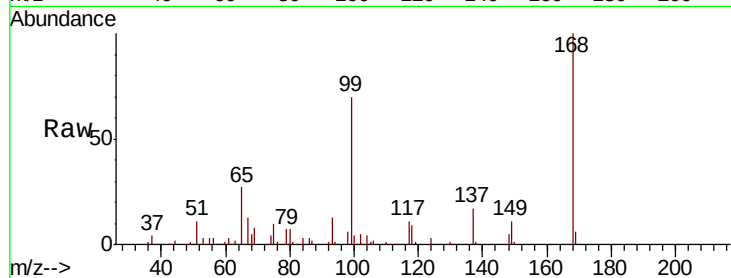
ClientSampleId :

Tot Ion:168 Resp: 262588

Ion Ratio Lower Upper

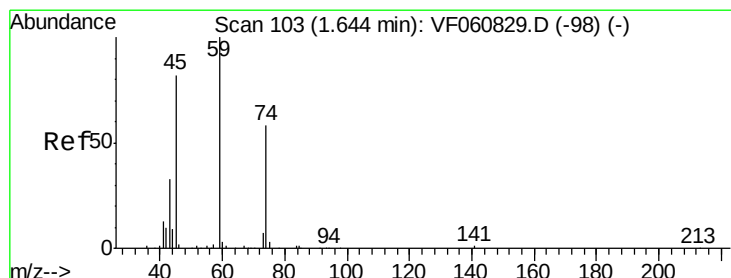
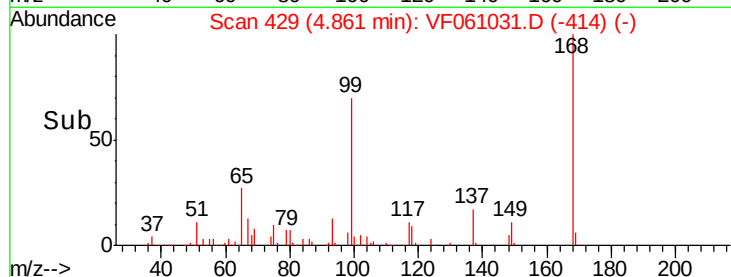
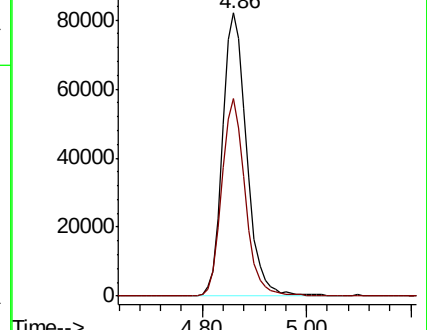
168 100

99 69.9 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: 1.723 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF061031.D

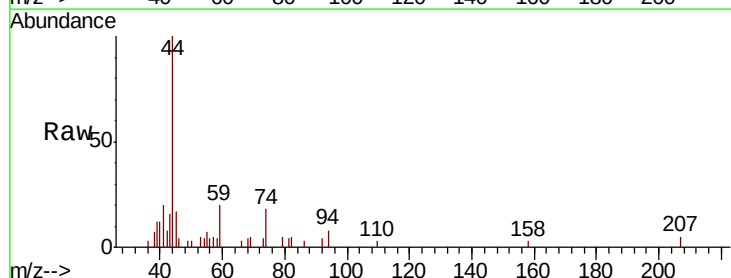
Acq: 14 Dec 2018 20:32

Tgt Ion: 74 Resp: 1267

Ion Ratio Lower Upper

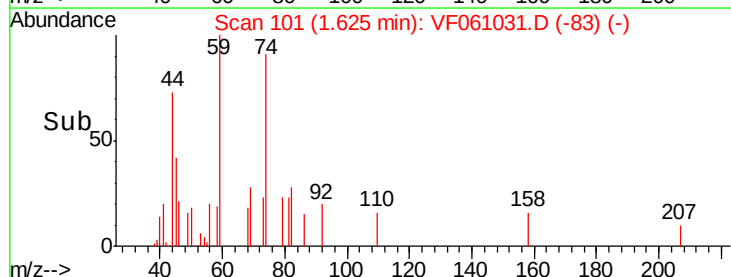
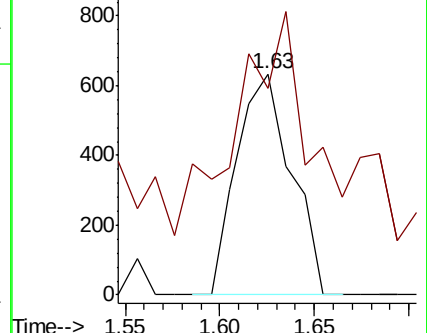
74 100

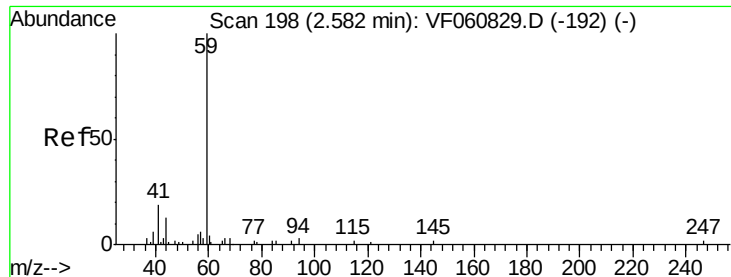
45 93.5 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



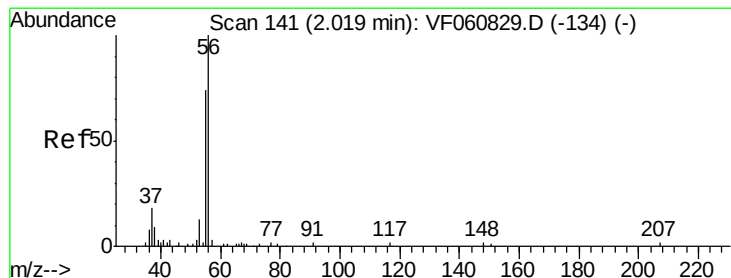
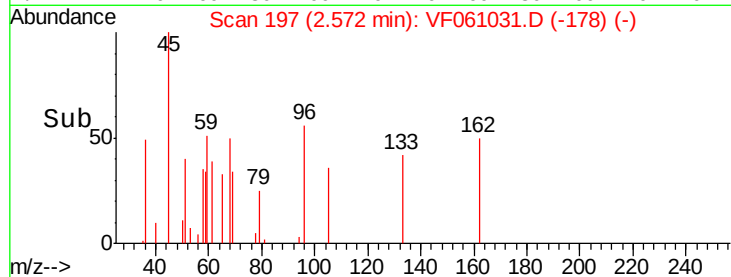
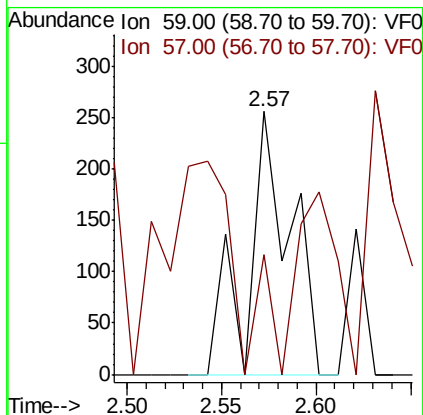
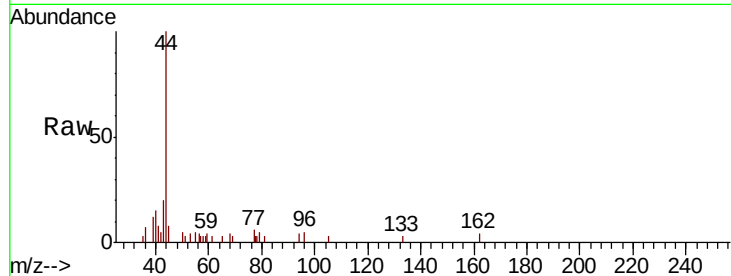


#11

Tert butyl alcohol
Concen: 3.170 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061031.D
Acq: 14 Dec 2018 20:32

Instrument :
MSVOA_F
ClientSampled :

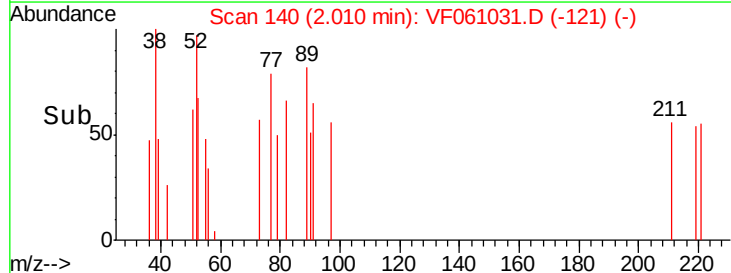
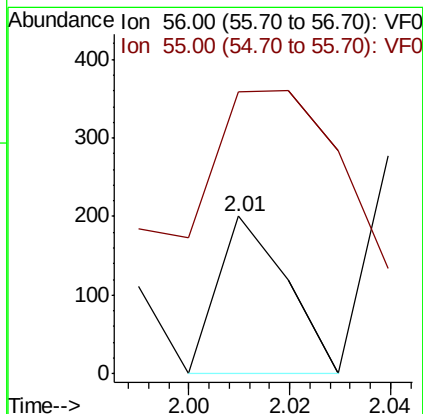
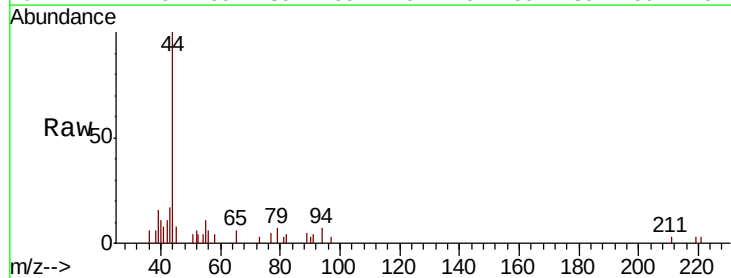
Tot Ion: 59 Resp: 402
Ion Ratio Lower Upper
59 100
57 45.7 12.7 19.1#

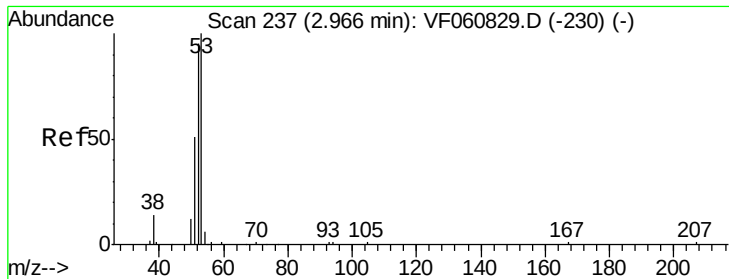


#13

Acrolein
Concen: 1.573 ug/l
RT: 2.01 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF061031.D
Acq: 14 Dec 2018 20:32

Tgt Ion: 56 Resp: 189
Ion Ratio Lower Upper
56 100
55 179.5 61.2 91.8#





#15

Acrylonitrile

Concen: 1.361 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.05 min

Lab File: VF061031.D

Acq: 14 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampled :

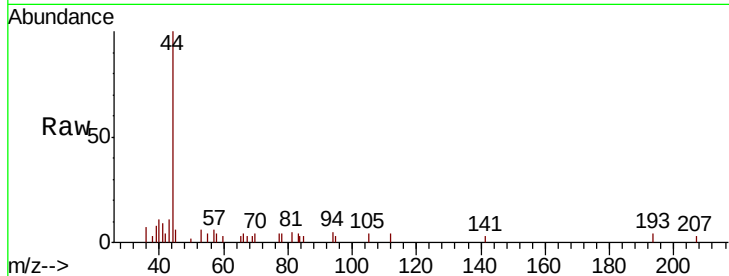
Tot Ion: 53 Resp: 387

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

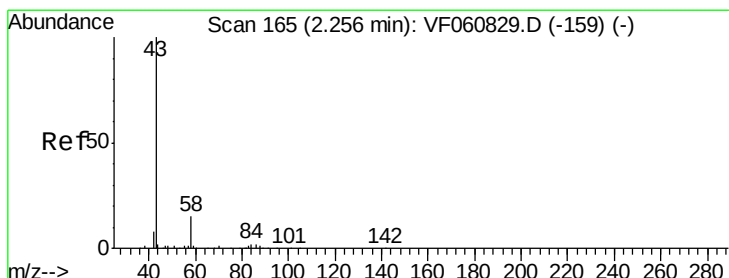
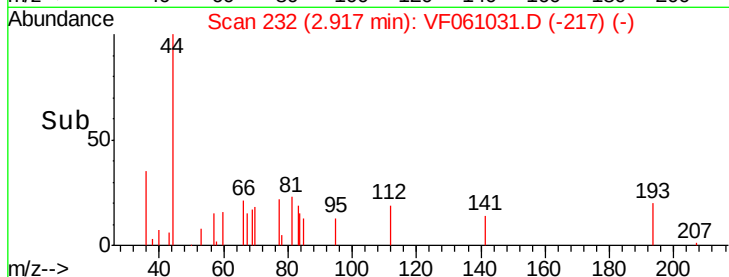
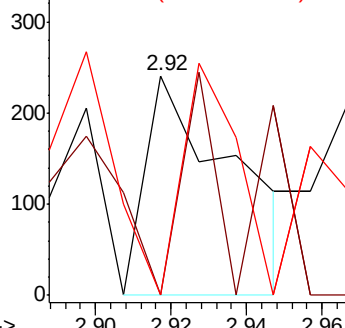
51 0.0 40.7 61.1#



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



#16

Acetone

Concen: 45.544 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.03 min

Lab File: VF061031.D

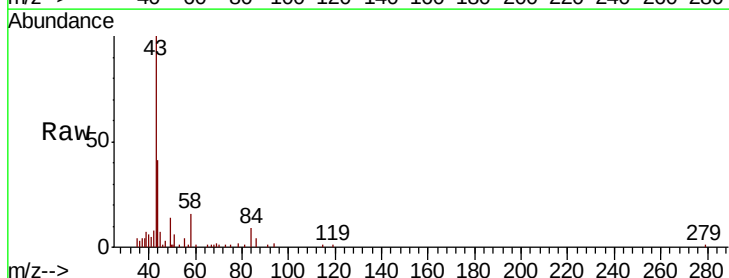
Acq: 14 Dec 2018 20:32

Tgt Ion: 43 Resp: 25980

Ion Ratio Lower Upper

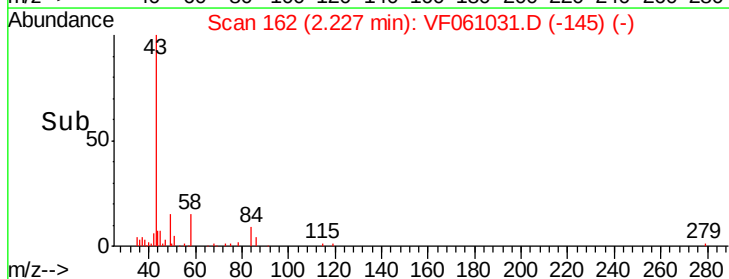
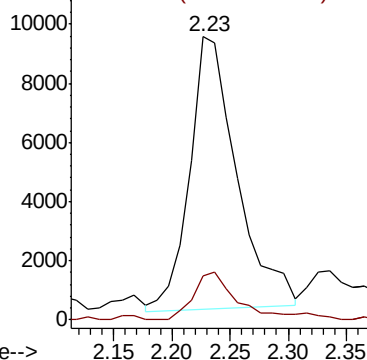
43 100

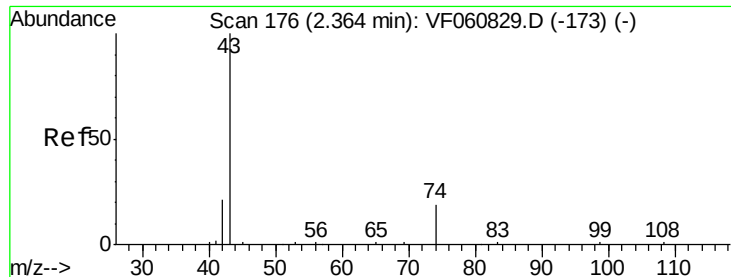
58 15.7 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

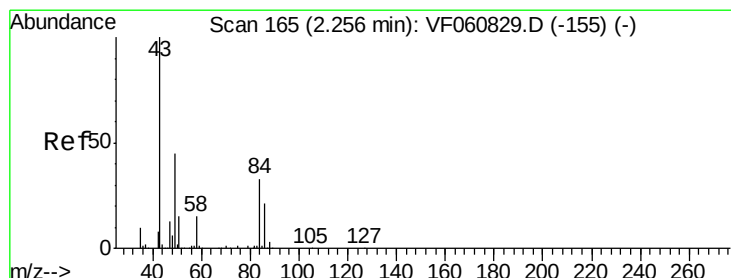
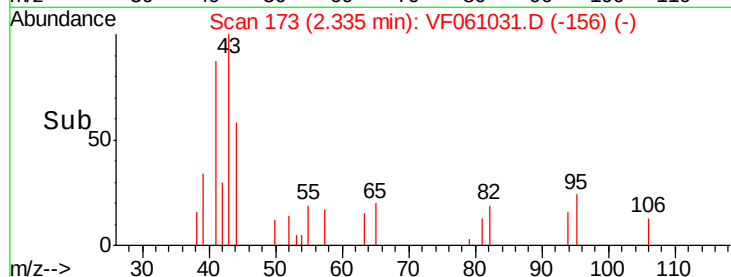
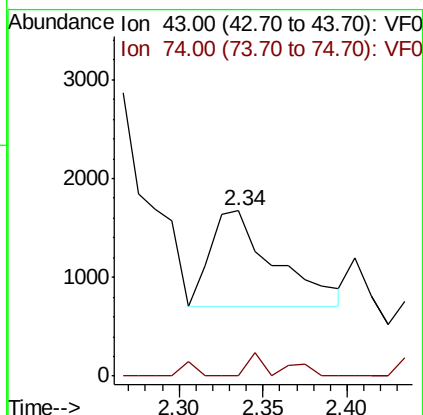
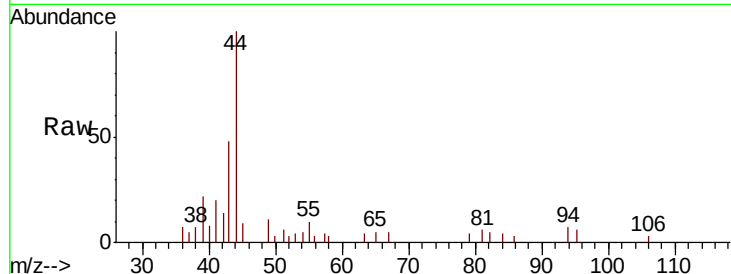




#18
Methyl Acetate
Concen: 1.109 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.03 min
Lab File: VF061031.D
Acq: 14 Dec 2018 20:32

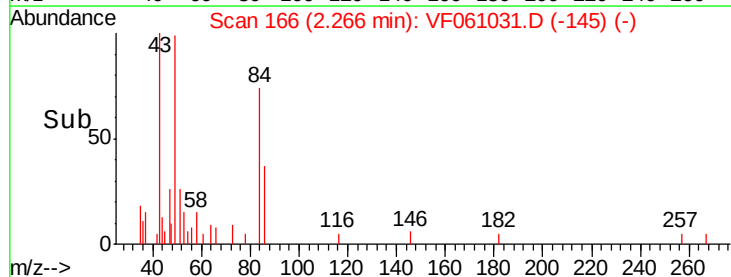
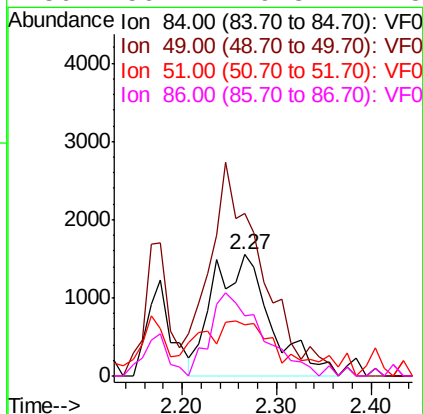
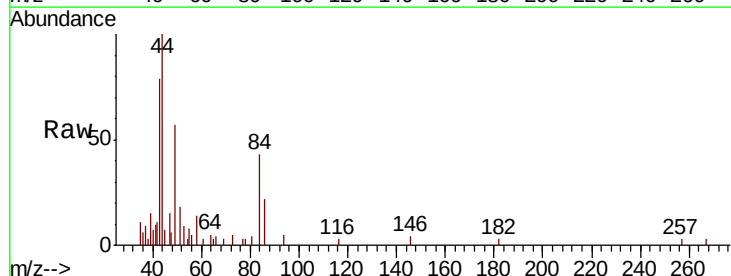
Instrument :
MSVOA_F
ClientSampleId :

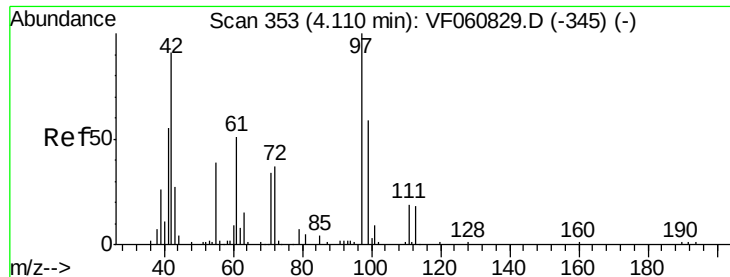
Tot Ion: 43 Resp: 2606
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#20
Methylene Chloride
Concen: 3.148 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF061031.D
Acq: 14 Dec 2018 20:32

Tgt Ion: 84 Resp: 6587
Ion Ratio Lower Upper
84 100
49 133.5 111.3 166.9
51 41.9 38.0 57.0
86 50.1 49.8 74.8





#29

Tetrahydrofuran

Concen: 2.338 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.06 min

Lab File: VF061031.D

Acq: 14 Dec 2018 20:32

Instrument :

MSVOA_F

ClientSampled :

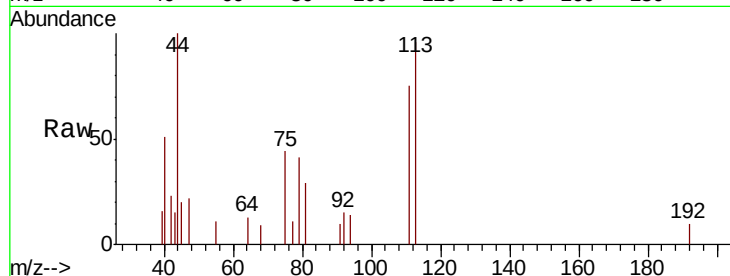
Tot Ion: 42 Resp: 978

Ion Ratio Lower Upper

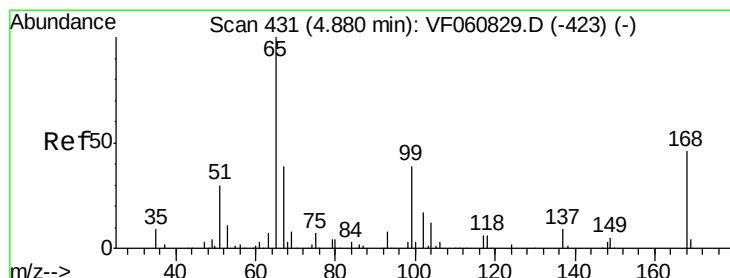
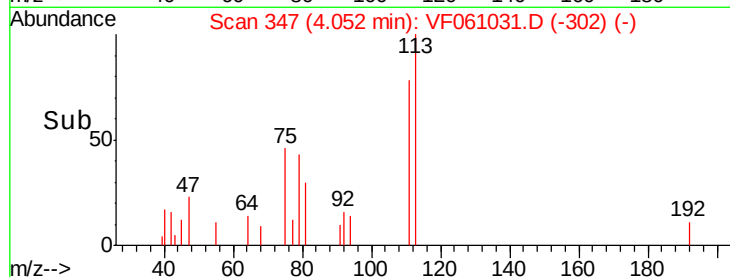
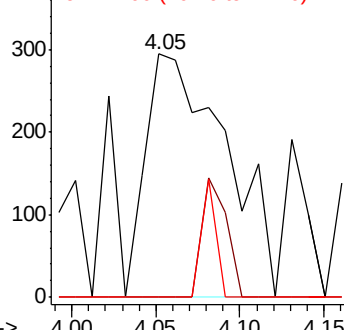
42 100

72 0.0 31.9 47.9#

71 0.0 28.7 43.1#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 47.927 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061031.D

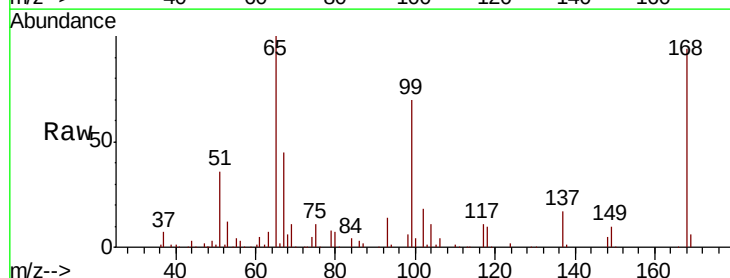
Acq: 14 Dec 2018 20:32

Tgt Ion: 65 Resp: 148255

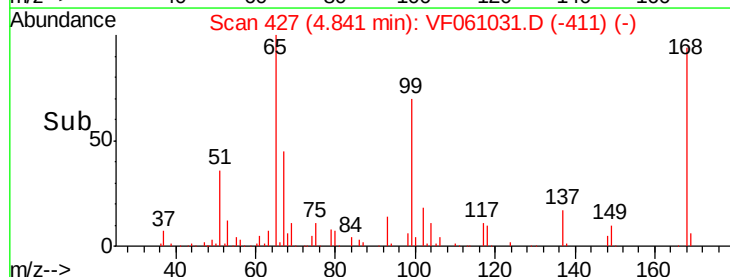
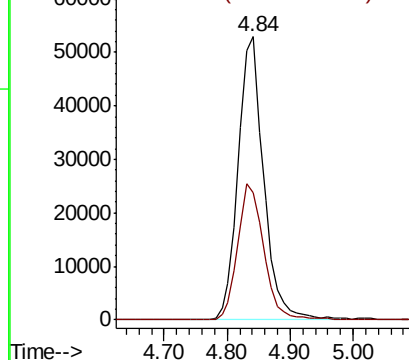
Ion Ratio Lower Upper

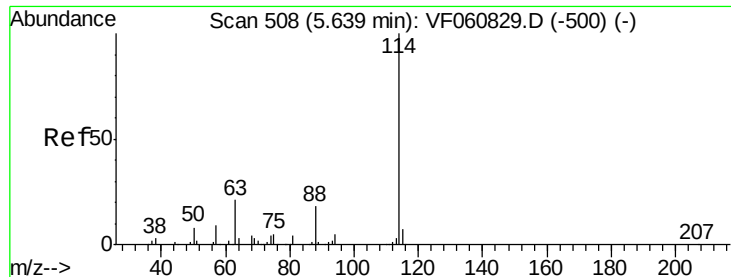
65 100

67 45.1 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

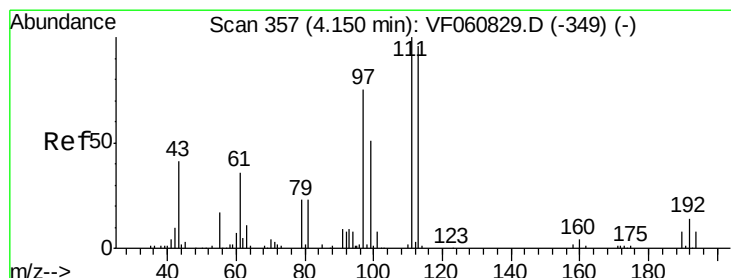
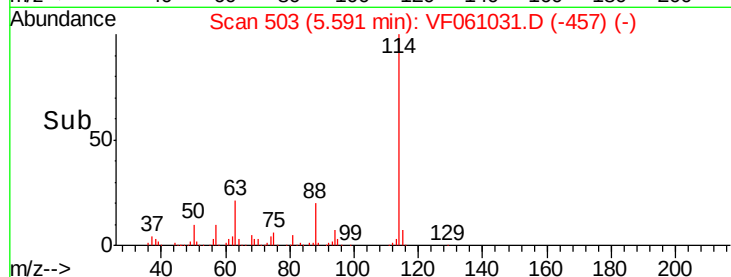
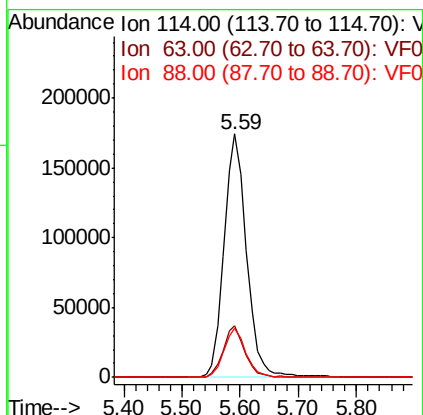
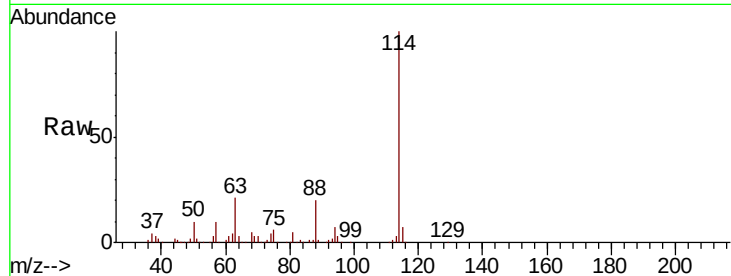




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.05 min
 Lab File: VF061031.D
 Acq: 14 Dec 2018 20:32

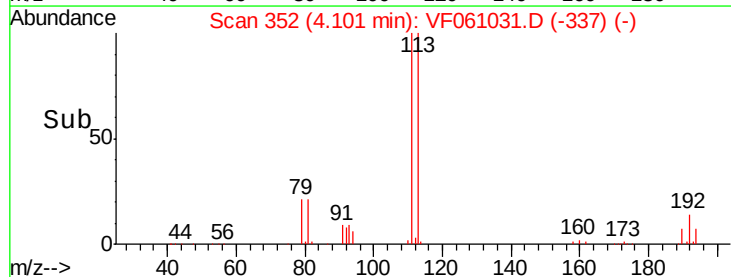
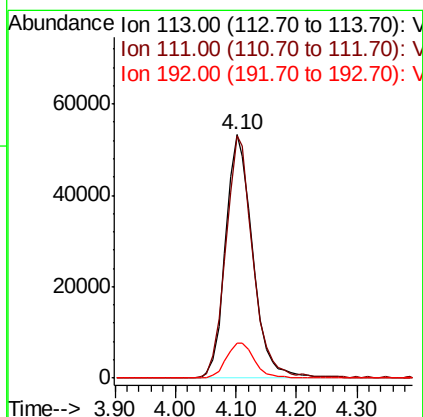
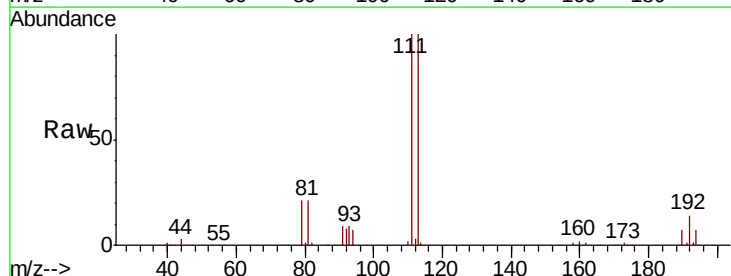
Instrument :
 MSVOA_F
 ClientSampleId :

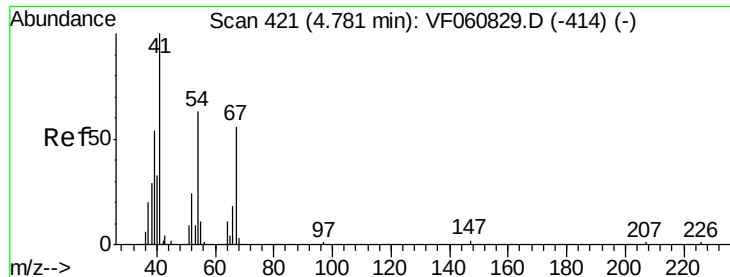
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.6
88	20.1	0.0	36.6



#35
 Dibromofluoromethane
 Concen: 44.837 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.05 min
 Lab File: VF061031.D
 Acq: 14 Dec 2018 20:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.6	83.0	124.6
192	14.3	12.3	18.5

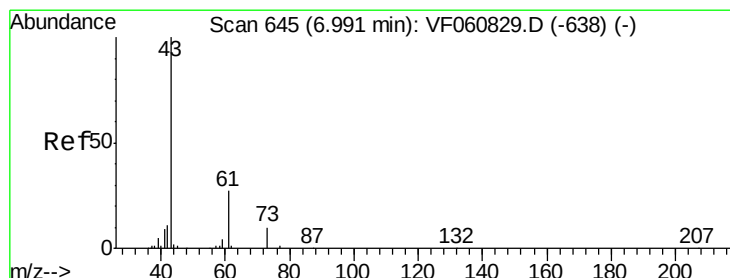
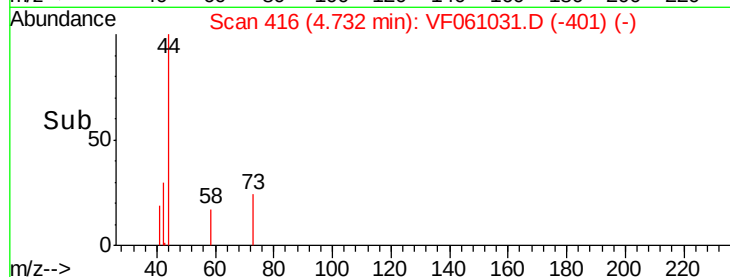
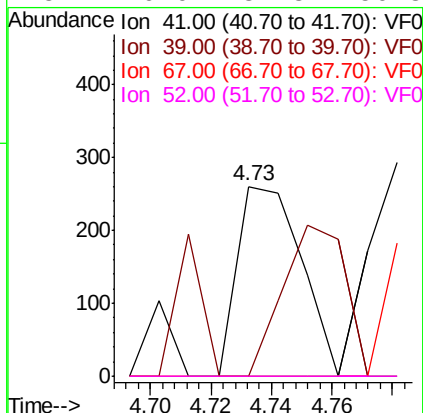
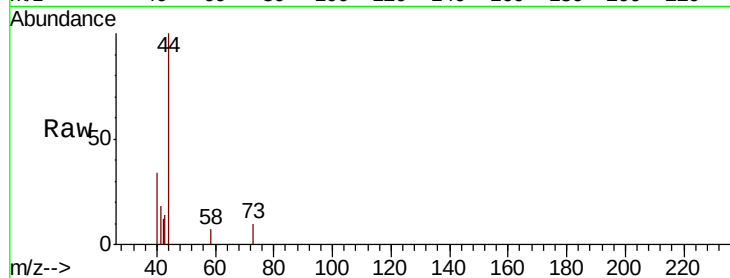




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.73 min Scan# 416
Delta R.T. -0.05 min
Lab File: VF061031.D
Acq: 14 Dec 2018 20:32

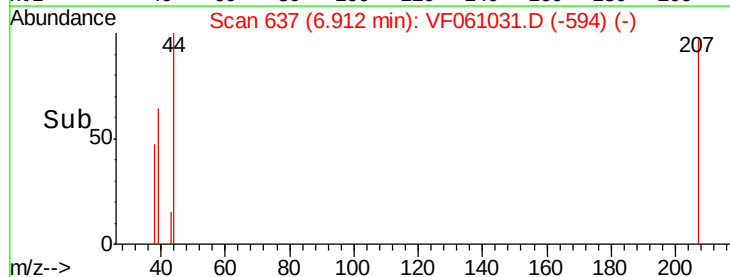
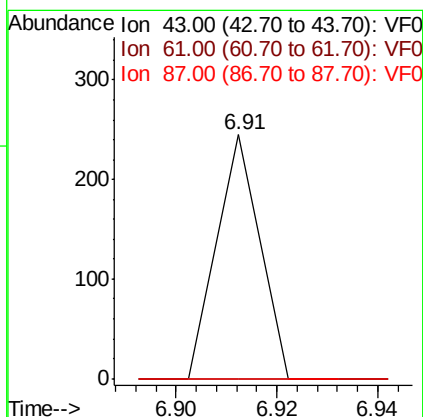
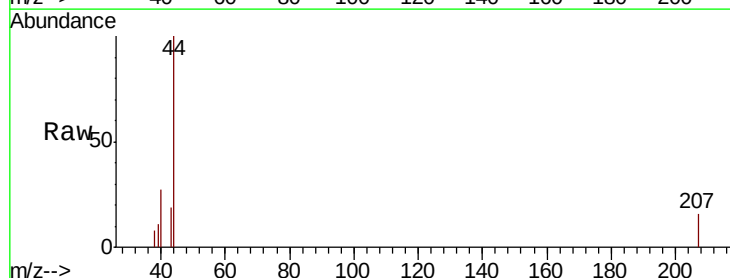
Instrument :
MSVOA_F
ClientSampleId :

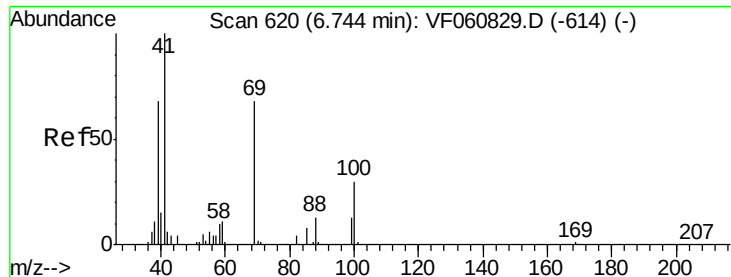
Tot Ion:	41	Resp:	384
Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.91 min Scan# 637
Delta R.T. -0.08 min
Lab File: VF061031.D
Acq: 14 Dec 2018 20:32

Tgt Ion:	43	Resp:	145
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#

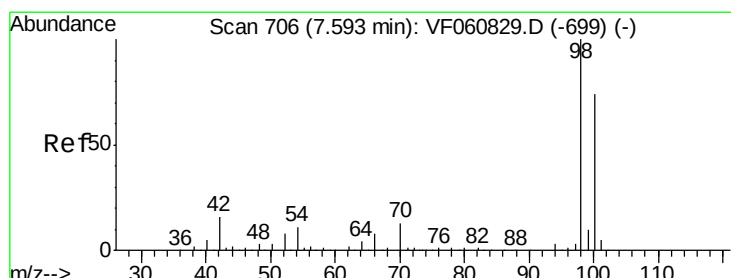
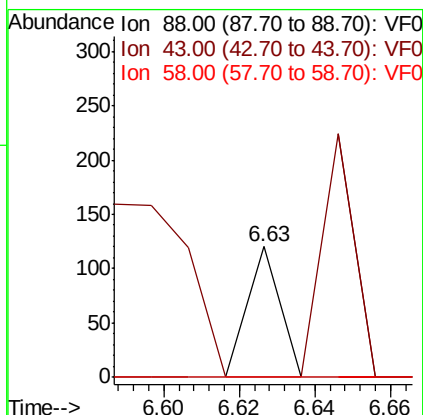
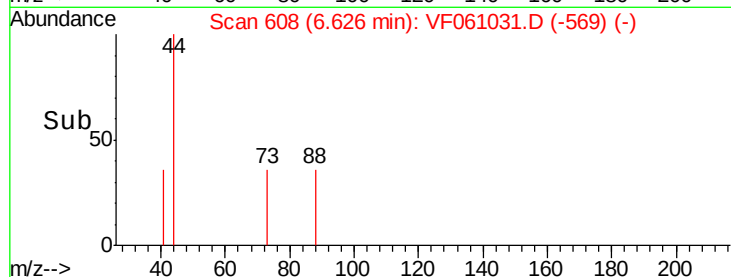
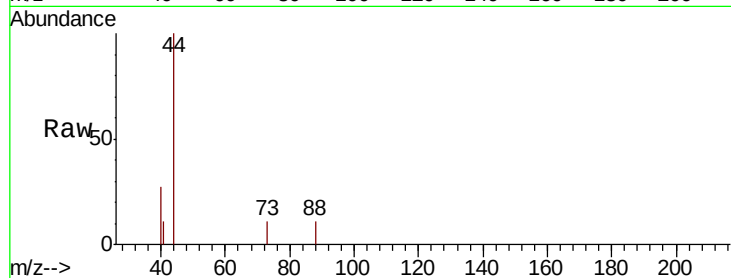




#49
1,4-Dioxane
Concen: 5.086 ug/l
RT: 6.63 min Scan# 608
Delta R.T. -0.12 min
Lab File: VF061031.D
Acq: 14 Dec 2018 20:32

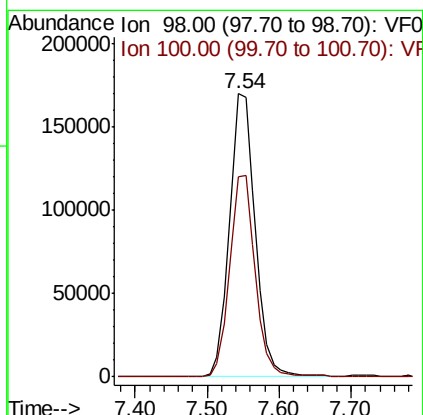
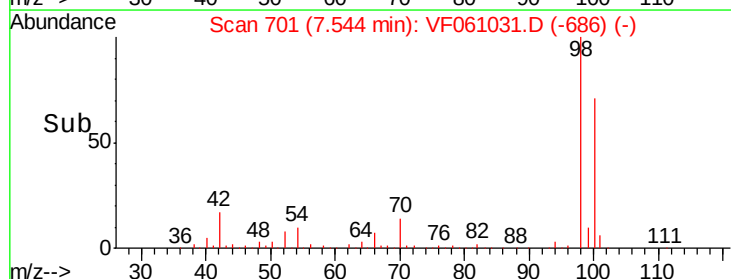
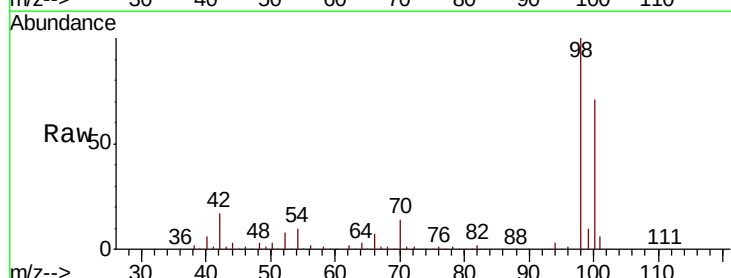
Instrument :
MSVOA_F
ClientSampleId :

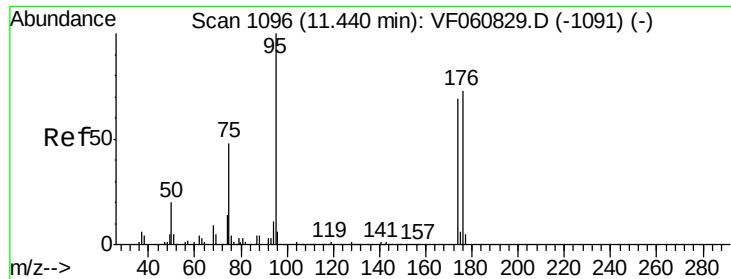
Tot Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 42.0 63.0#
58 0.0 61.8 92.8#



#50
Toluene-d8
Concen: 38.915 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.05 min
Lab File: VF061031.D
Acq: 14 Dec 2018 20:32

Tgt Ion: 98 Resp: 425152
Ion Ratio Lower Upper
98 100
100 70.5 59.3 88.9

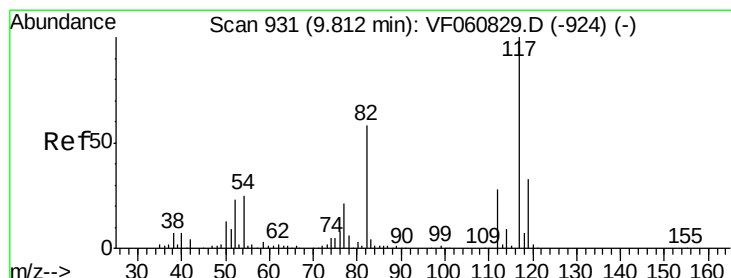
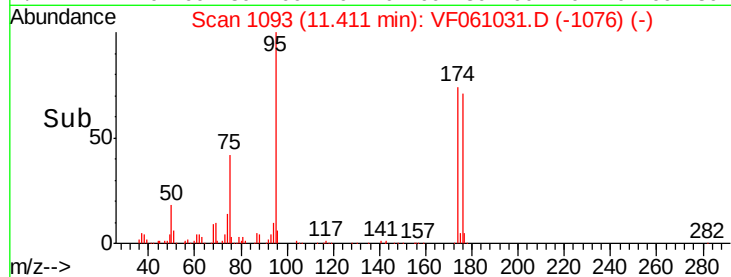
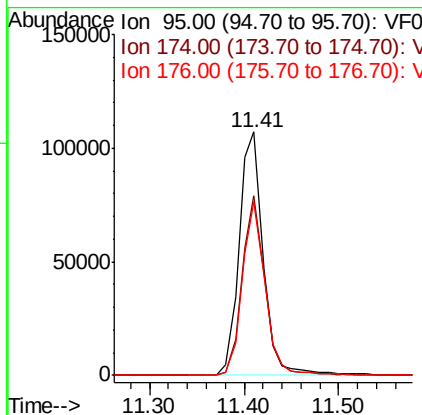
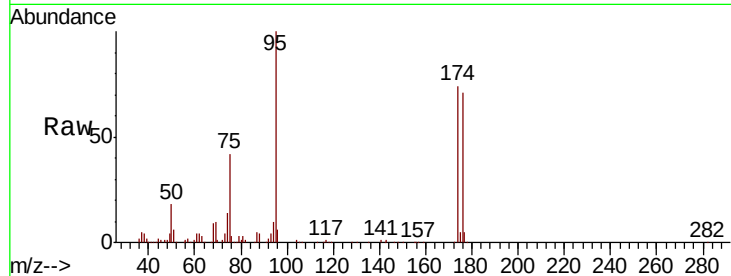




#62
4-Bromofluorobenzene
Concen: 37.851 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF061031.D
Acq: 14 Dec 2018 20:32

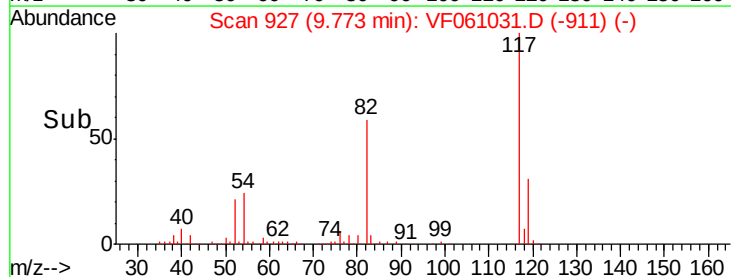
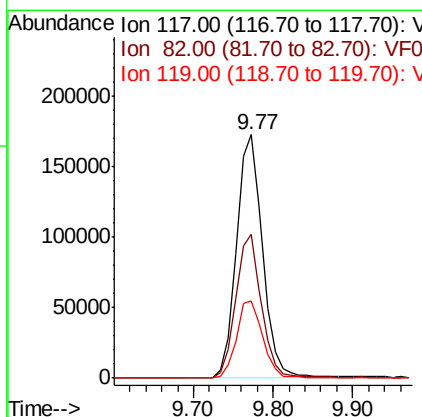
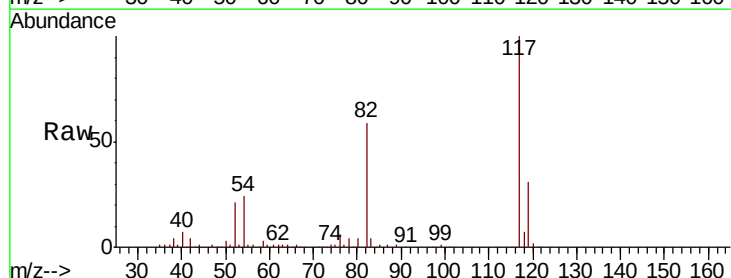
Instrument :
MSVOA_F
ClientSampled :

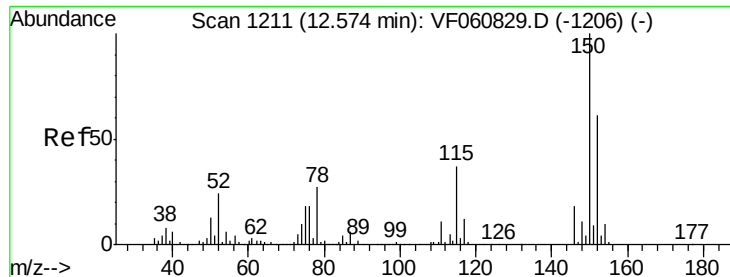
Tot Ion: 95 Resp: 187938
Ion Ratio Lower Upper
95 100
174 74.0 0.0 138.2
176 71.0 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF061031.D
Acq: 14 Dec 2018 20:32

Tgt Ion: 117 Resp: 392771
Ion Ratio Lower Upper
117 100
82 58.9 46.6 69.8
119 31.5 26.4 39.6

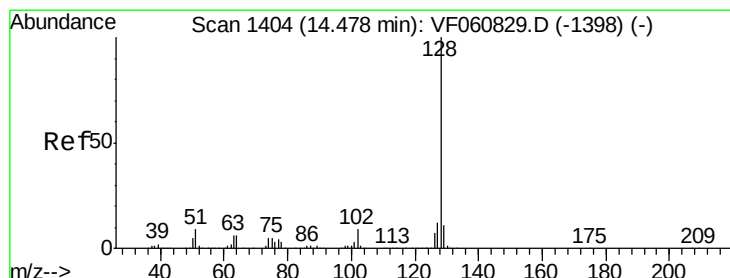
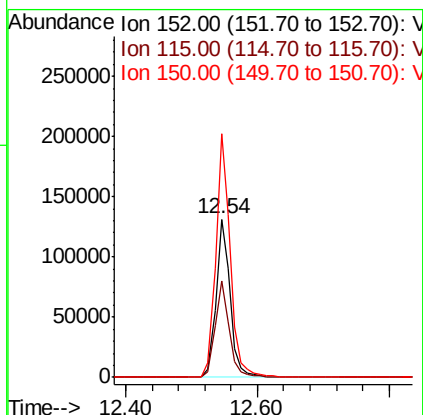
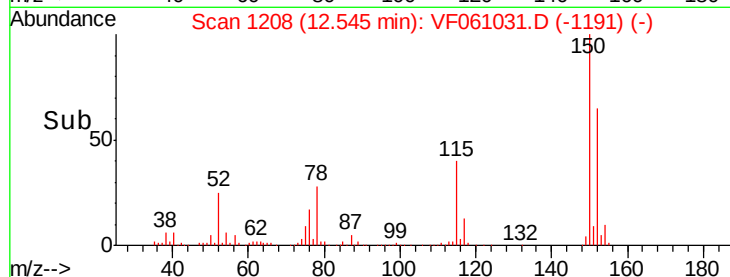
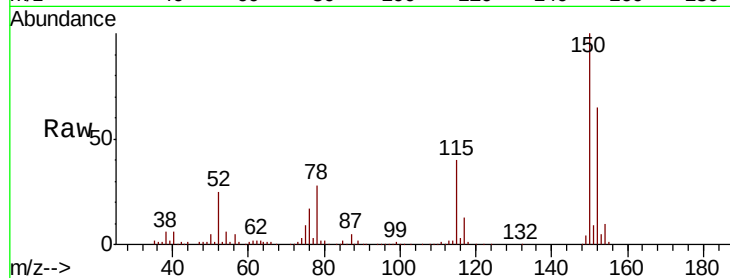




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.03 min
 Lab File: VF061031.D
 Acq: 14 Dec 2018 20:32

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:152 Resp: 193263
 Ion Ratio Lower Upper
 152 100
 115 61.0 30.1 90.5
 150 154.1 0.0 327.6



#95
 Naphthalene
 Concen: Below Cal
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.03 min
 Lab File: VF061031.D
 Acq: 14 Dec 2018 20:32

Tgt Ion:128 Resp: 6209
 Ion Ratio Lower Upper
 128 100
 127 10.7 9.9 14.9
 129 9.7 9.1 13.7

