

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060468.D
 Acq On : 5 Oct 2018 21:28
 Operator : VA/AP
 Sample : J5084-08
 Misc : 5.83/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-6(2.5-3)

Quant Time: Oct 06 04:38:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	183308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	296567	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	242551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	131751	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.99	65	139317	48.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.14%	
35) Dibromofluoromethane	4.26	113	122888	44.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.22%	
50) Toluene-d8	7.68	98	201415	29.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	58.70%	
62) 4-Bromofluorobenzene	11.49	95	101877	32.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	65.04%	

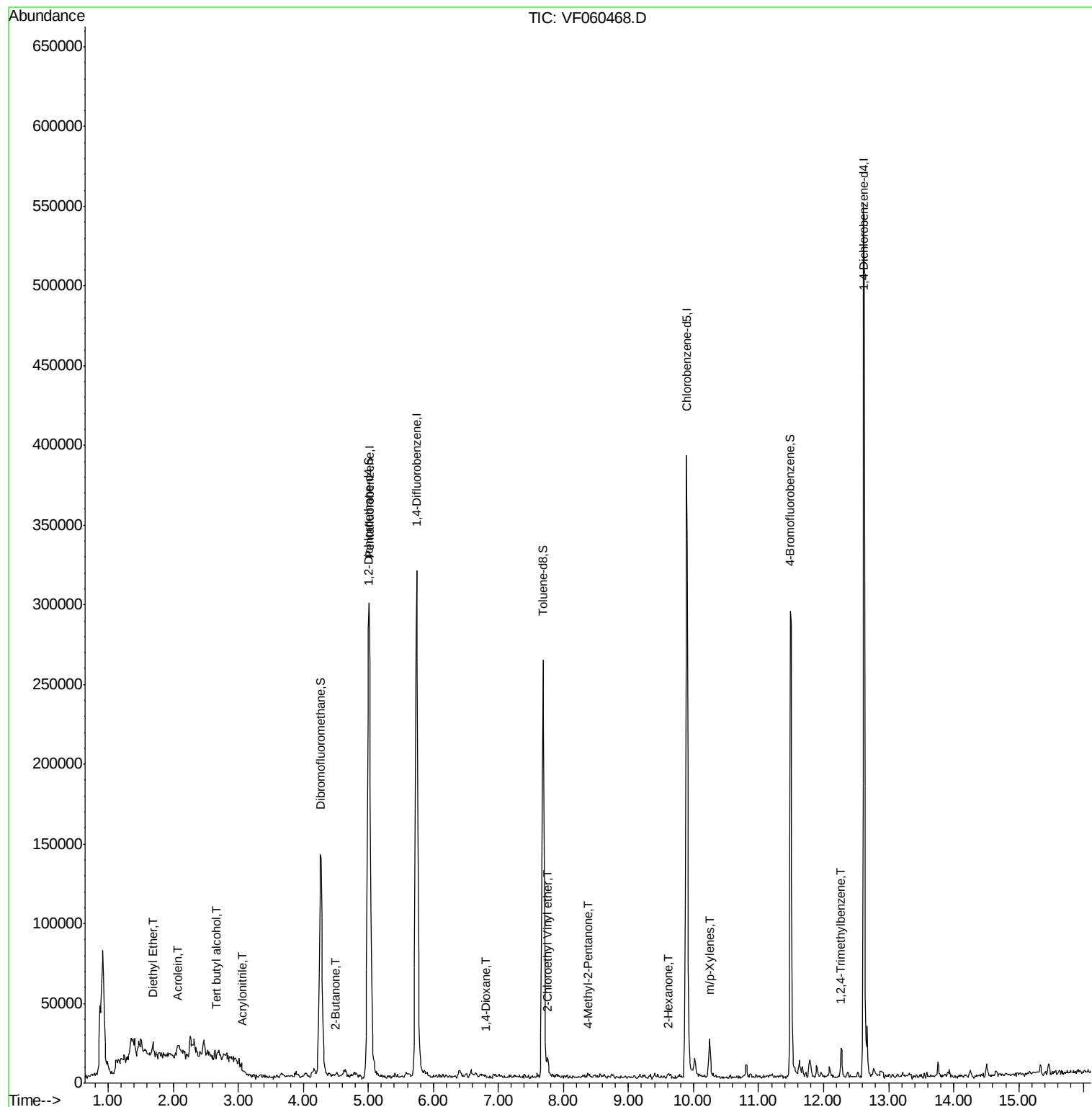
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	1094	Below Cal	#	43
8) Diethyl Ether	1.70	74	1178	1.431	ug/l	54
11) Tert butyl alcohol	2.67	59	742	4.277	ug/l #	77
13) Acrolein	2.08	56	525	3.763	ug/l #	78
15) Acrylonitrile	3.07	53	402	1.352	ug/l	89
16) Acetone	2.31	43	2484	Below Cal	#	77
18) Methyl Acetate	2.41	43	851	Below Cal	#	55
20) Methylene Chloride	2.26	84	3116	Below Cal	#	89
25) 2-Butanone	4.48	43	1753	2.360	ug/l #	60
29) Tetrahydrofuran	4.21	42	611	Below Cal	#	61
49) 1,4-Dioxane	6.82	88	63	6.015	ug/l #	1
51) 4-Methyl-2-Pentanone	8.37	43	2294	1.905	ug/l #	71
58) 2-Chloroethyl Vinyl ether	7.75	63	1348	7.432	ug/l	100
59) 2-Hexanone	9.63	43	2157	2.441	ug/l	66
68) m/p-Xylenes	10.25	106	7370	2.263	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	9980	1.142	ug/l	80

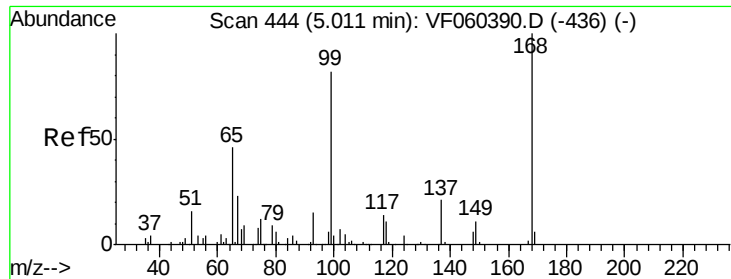
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060468.D
Acq On : 5 Oct 2018 21:28
Operator : VA/AP
Sample : J5084-08
Misc : 5.83/5mL/MSVOA F/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
B-6(2.5-3)

Quant Time: Oct 06 04:38:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060468.D

Acq: 5 Oct 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

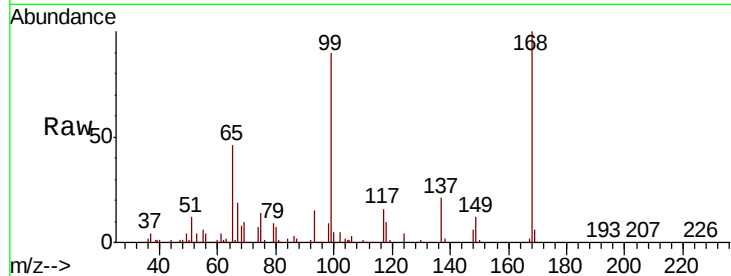
B-6(2.5-3)

Tot Ion:168 Resp: 183308

Ion Ratio Lower Upper

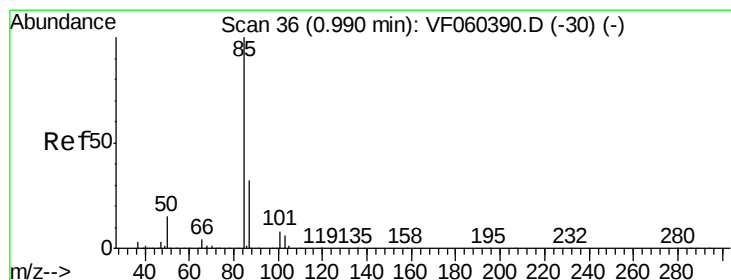
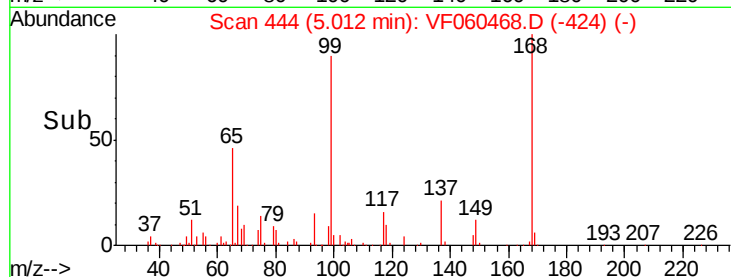
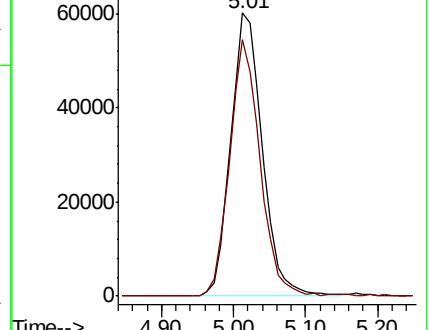
168 100

99 90.4 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 35

Delta R.T. -0.01 min

Lab File: VF060468.D

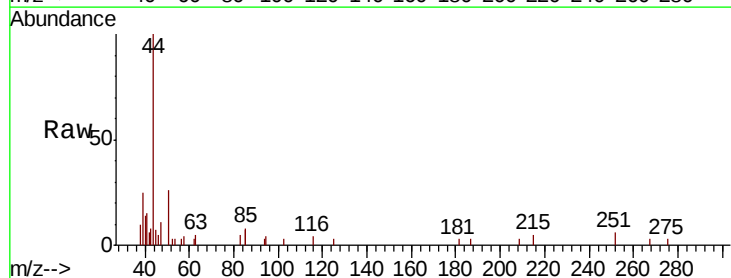
Acq: 5 Oct 2018 21:28

Tgt Ion: 85 Resp: 1094

Ion Ratio Lower Upper

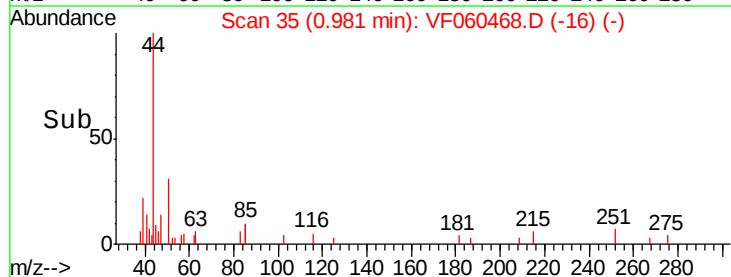
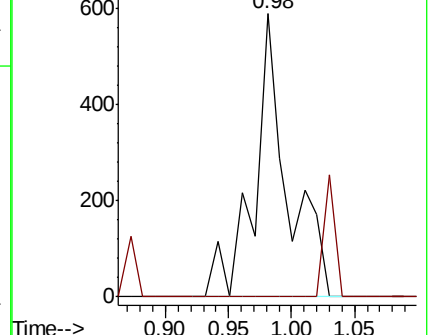
85 100

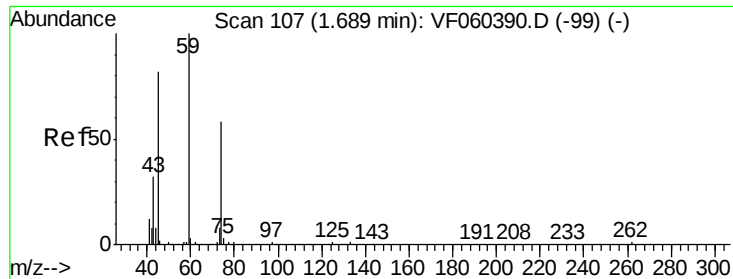
87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

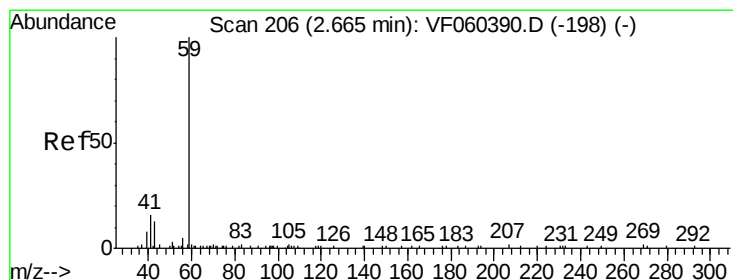
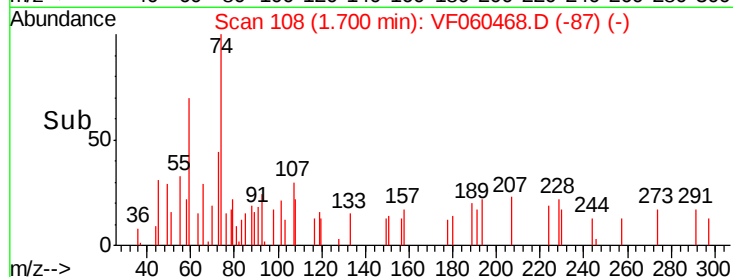
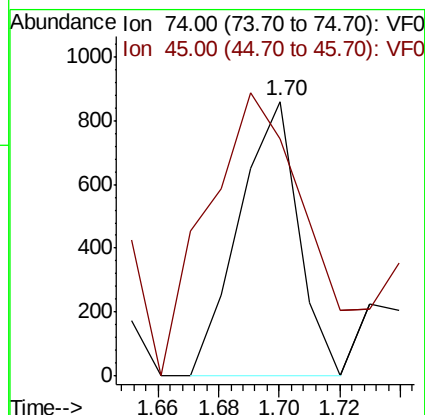
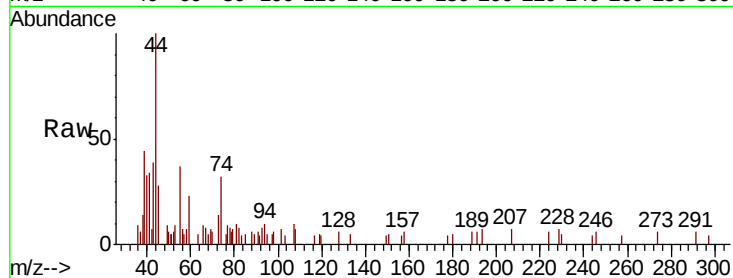




#8
Diethyl Ether
Concen: 1.431 ug/l
RT: 1.70 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF060468.D
Acq: 5 Oct 2018 21:28

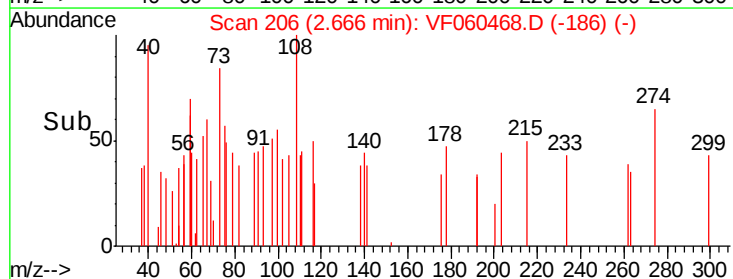
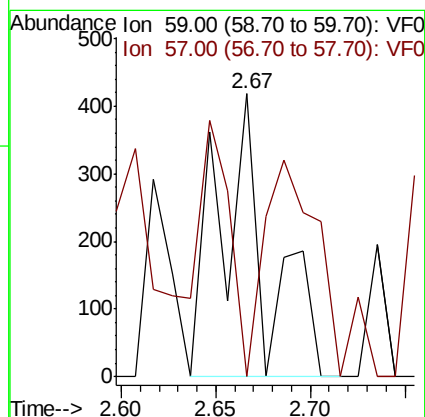
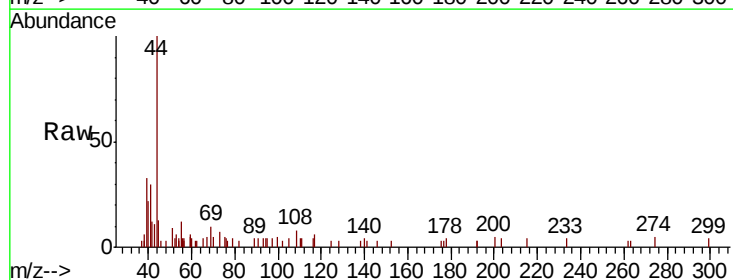
Instrument :
MSVOA_F
ClientSampleId :
B-6(2.5-3)

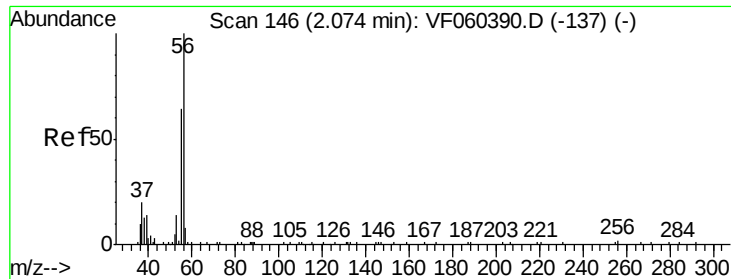
Tot Ion: 74 Resp: 1178
Ion Ratio Lower Upper
74 100
45 86.4 71.3 213.8



#11
Tert butyl alcohol
Concen: 4.277 ug/l
RT: 2.67 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF060468.D
Acq: 5 Oct 2018 21:28

Tgt Ion: 59 Resp: 742
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#

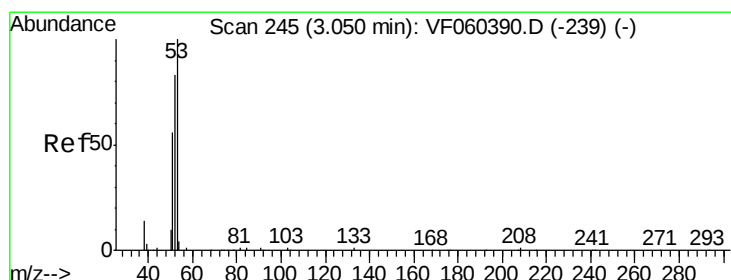
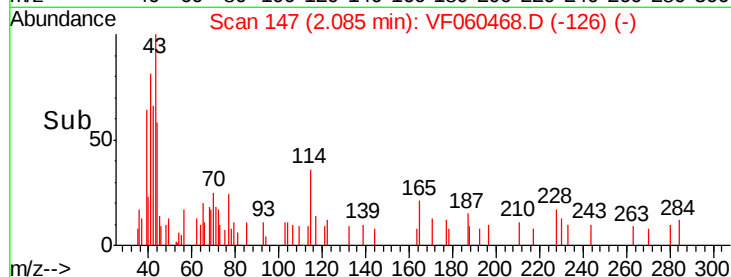
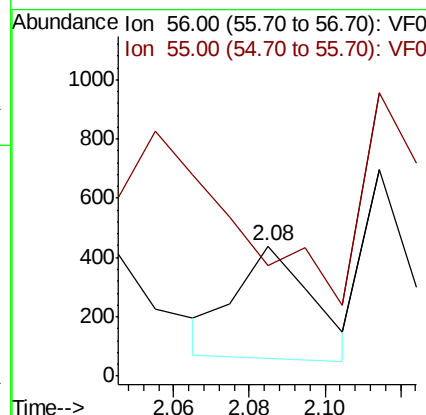
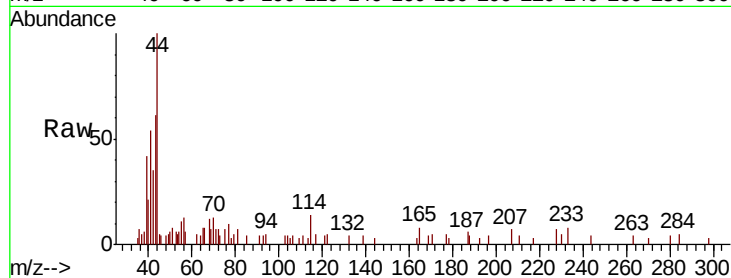




#13
Acrolein
Concen: 3.763 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.01 min
Lab File: VF060468.D
Acq: 5 Oct 2018 21:28

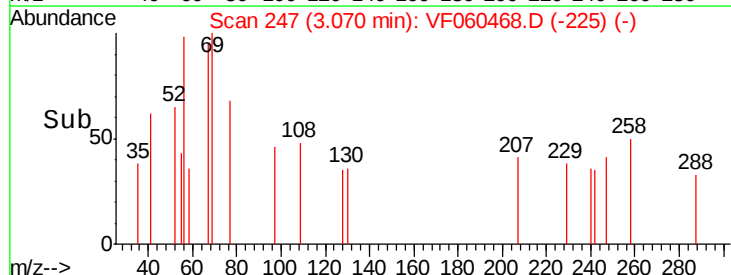
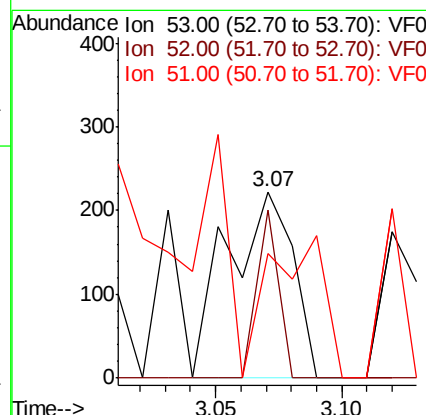
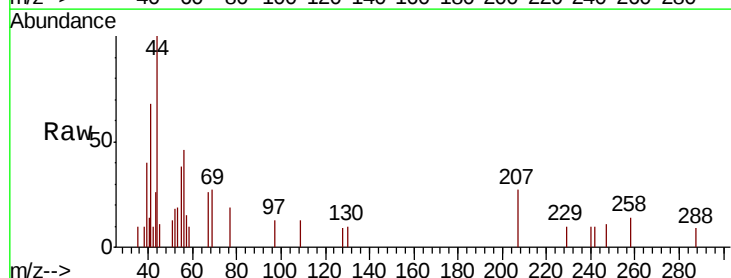
Instrument :
MSVOA_F
ClientSampled :
B-6(2.5-3)

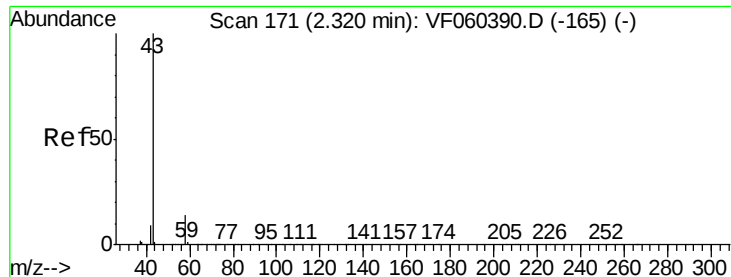
Tot Ion: 56 Resp: 525
Ion Ratio Lower Upper
56 100
55 85.0 53.9 80.9#



#15
Acrylonitrile
Concen: 1.352 ug/l
RT: 3.07 min Scan# 247
Delta R.T. 0.02 min
Lab File: VF060468.D
Acq: 5 Oct 2018 21:28

Tgt Ion: 53 Resp: 402
Ion Ratio Lower Upper
53 100
52 90.5 66.0 99.0
51 67.1 45.6 68.4





#16

Acetone

Concen: Below Cal

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF060468.D

Acq: 5 Oct 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

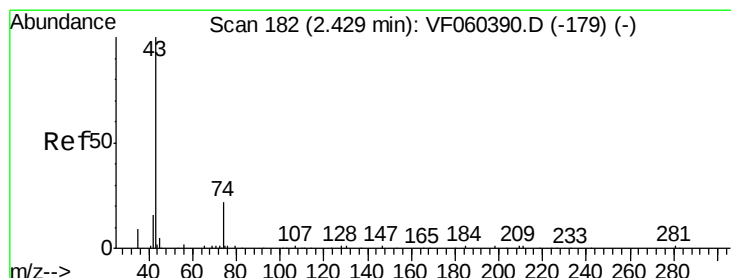
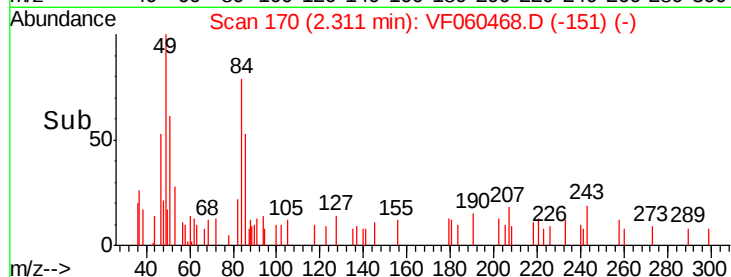
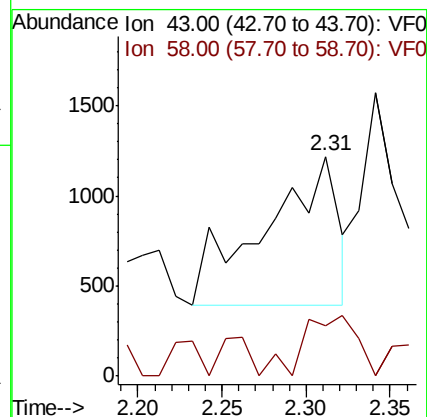
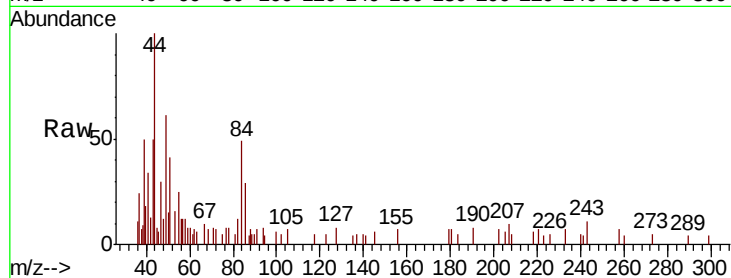
B-6(2.5-3)

Tot Ion: 43 Resp: 2484

Ion Ratio Lower Upper

43 100

58 23.2 11.2 16.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.41 min Scan# 180

Delta R.T. -0.02 min

Lab File: VF060468.D

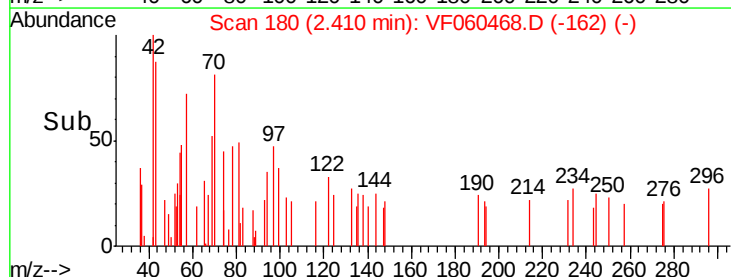
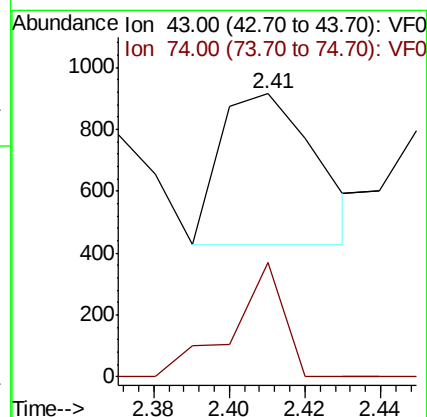
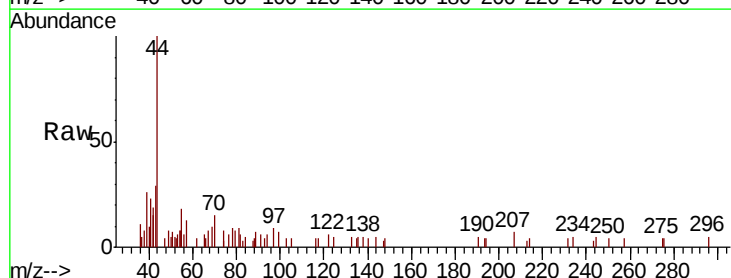
Acq: 5 Oct 2018 21:28

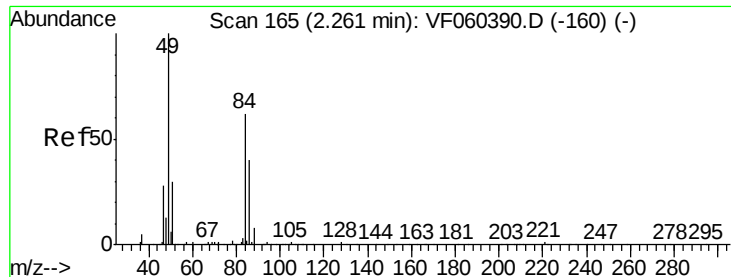
Tgt Ion: 43 Resp: 851

Ion Ratio Lower Upper

43 100

74 40.6 15.8 23.8#

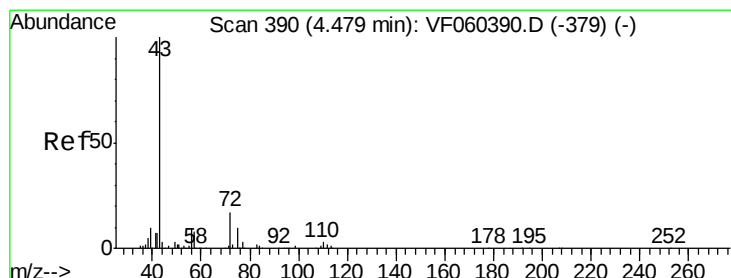
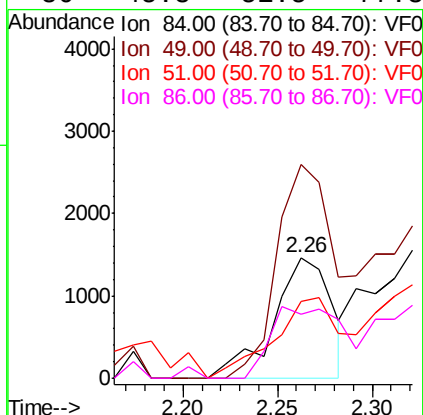
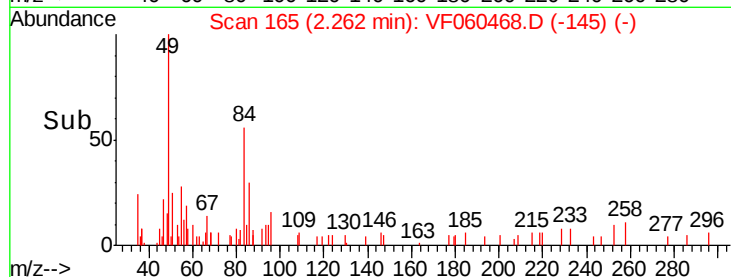
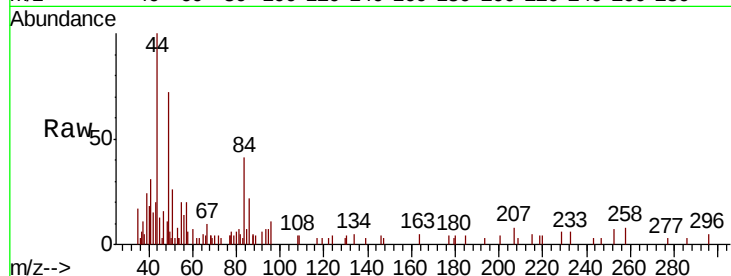




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060468.D
Acq: 5 Oct 2018 21:28

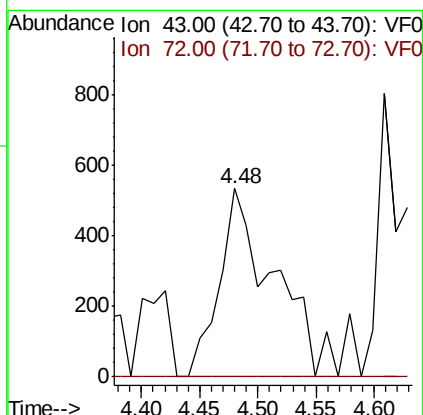
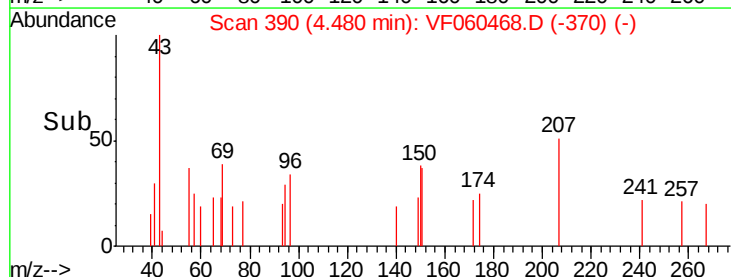
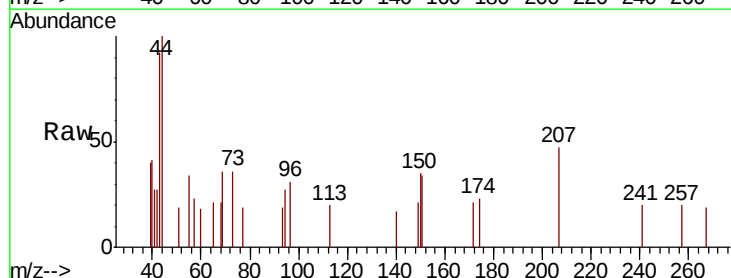
Instrument :
MSVOA_F
ClientSampleId :
B-6(2.5-3)

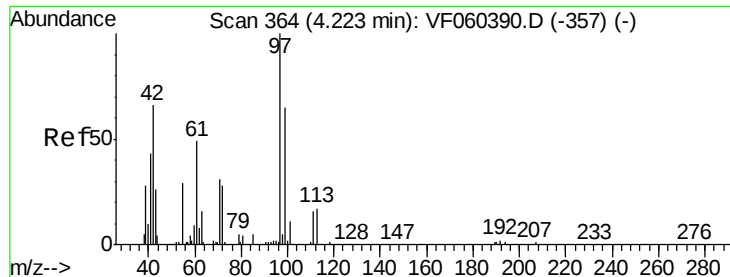
Tot Ion: 84 Resp: 3116
Ion Ratio Lower Upper
84 100
49 151.4 130.2 195.2
51 54.6 41.0 61.6
86 45.8 51.5 77.3#



#25
2-Butanone
Concen: 2.360 ug/l
RT: 4.48 min Scan# 390
Delta R.T. 0.00 min
Lab File: VF060468.D
Acq: 5 Oct 2018 21:28

Tgt Ion: 43 Resp: 1753
Ion Ratio Lower Upper
43 100
72 0.0 14.1 21.1#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.21 min Scan# 363

Delta R.T. -0.01 min

Lab File: VF060468.D

Acq: 5 Oct 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

B-6(2.5-3)

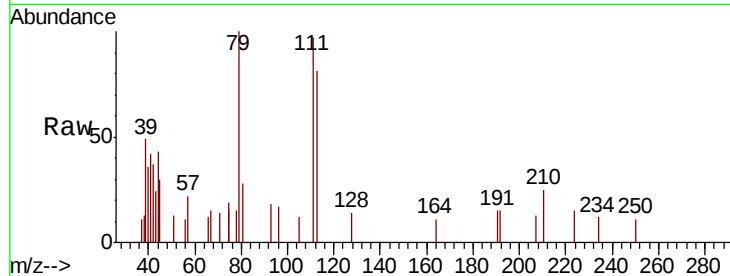
Tot Ion: 42 Resp: 611

Ion Ratio Lower Upper

42 100

72 33.7 33.6 50.4

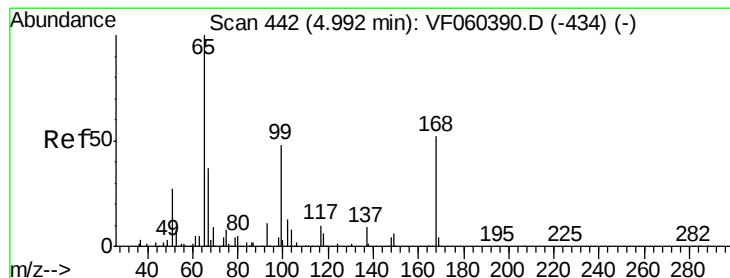
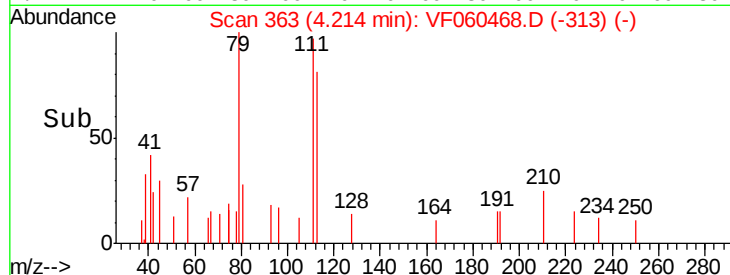
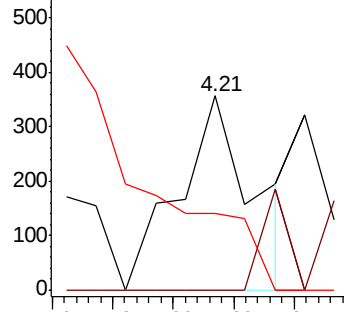
71 0.0 32.7 49.1#



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: 48.571 ug/l

RT: 4.99 min Scan# 442

Delta R.T. 0.00 min

Lab File: VF060468.D

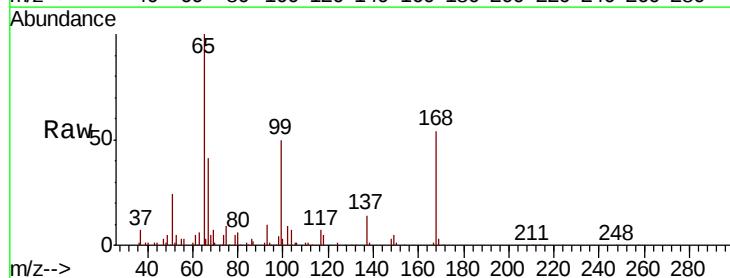
Acq: 5 Oct 2018 21:28

Tgt Ion: 65 Resp: 139317

Ion Ratio Lower Upper

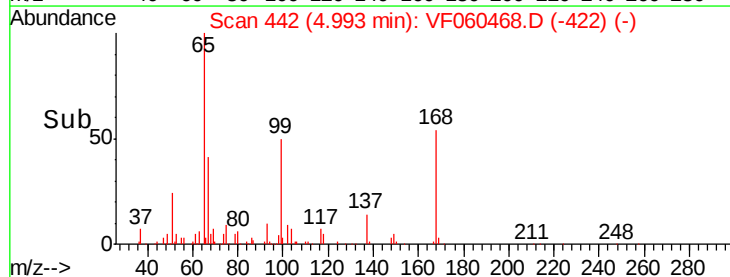
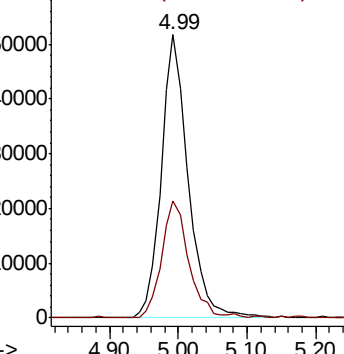
65 100

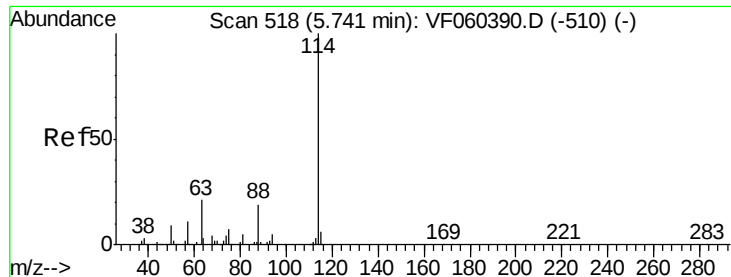
67 41.3 0.0 89.4



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: 5.74 min Scan# 518

Delta R.T. 0.00 min

Lab File: VF060468.D

Acq: 5 Oct 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

B-6(2.5-3)

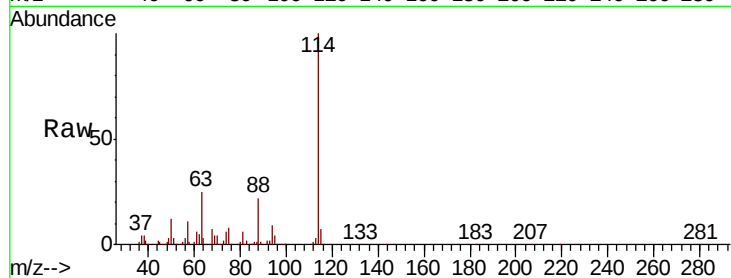
Tot Ion:114 Resp: 296567

Ion Ratio Lower Upper

114 100

63 24.6 0.0 42.2

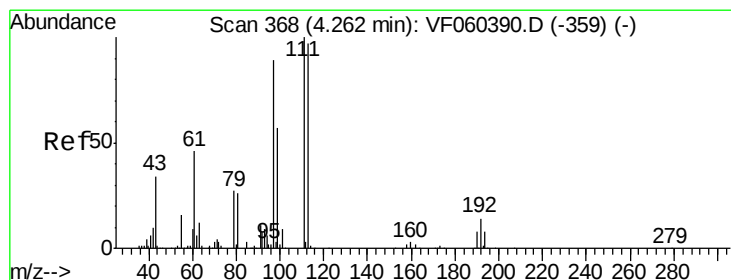
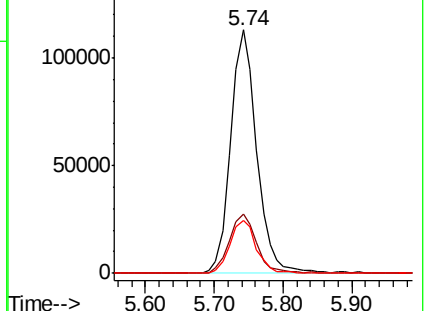
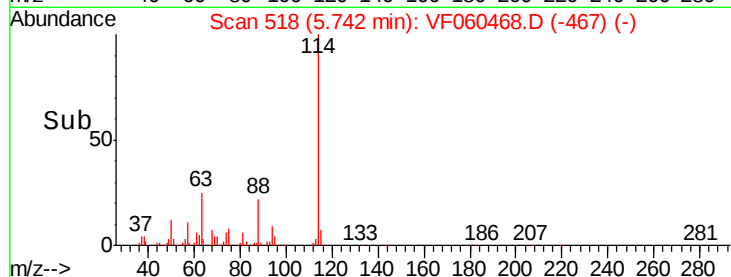
88 21.9 0.0 38.8



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: 44.108 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.00 min

Lab File: VF060468.D

Acq: 5 Oct 2018 21:28

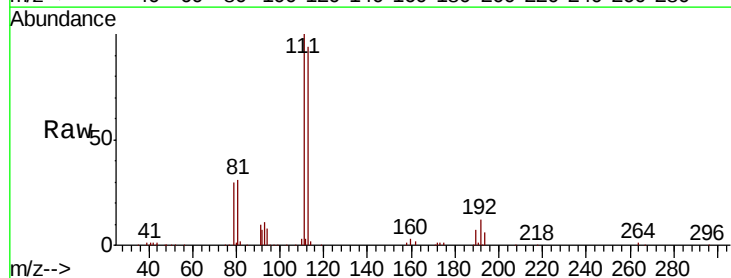
Tgt Ion:113 Resp: 122888

Ion Ratio Lower Upper

113 100

111 105.9 82.3 123.5

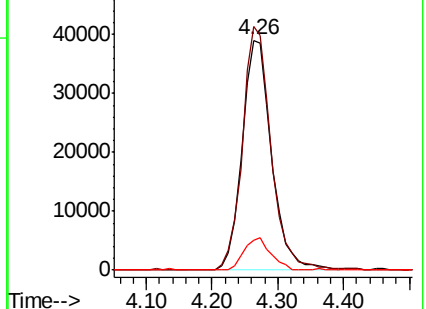
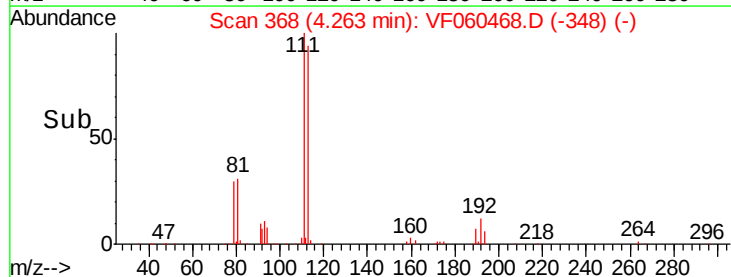
192 12.8 11.8 17.6

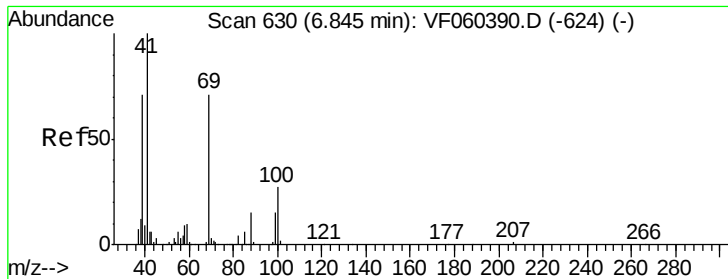


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

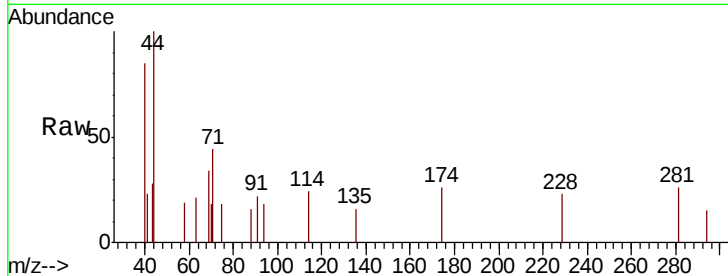




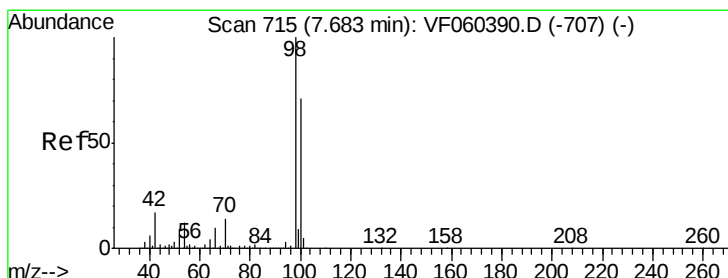
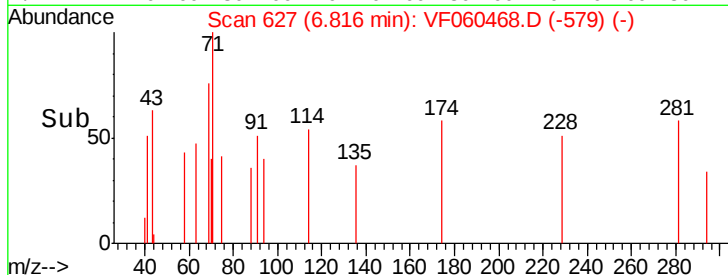
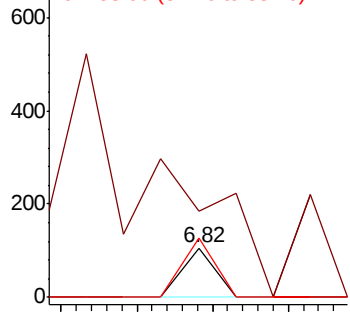
#49
1,4-Dioxane
Concen: 6.015 ug/l
RT: 6.82 min Scan# 627
Delta R.T. -0.03 min
Lab File: VF060468.D
Acq: 5 Oct 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
B-6(2.5-3)

Tot Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 174.5 38.3 57.5#
58 118.9 47.4 71.2#

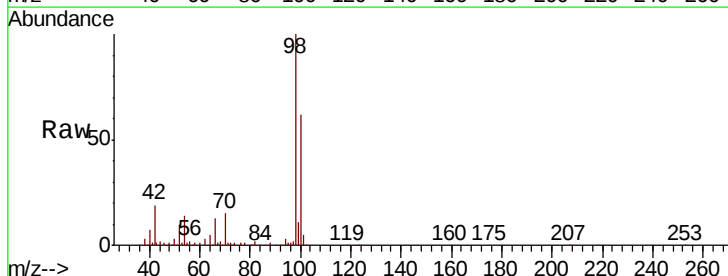


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

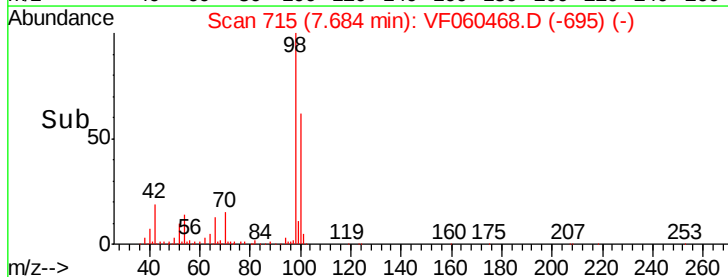
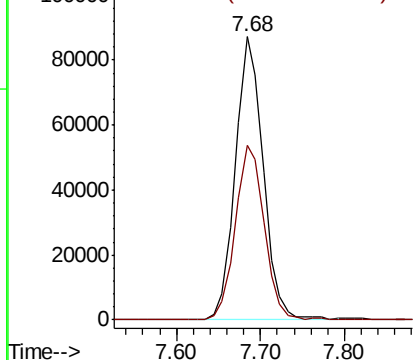


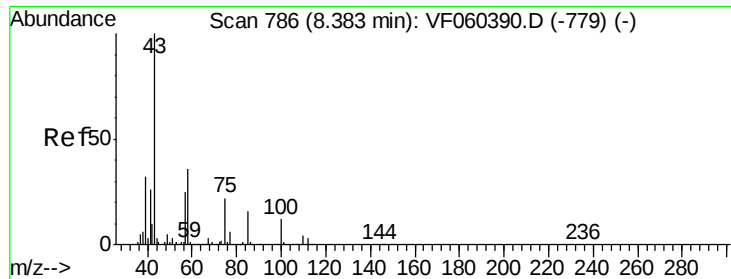
#50
Toluene-d8
Concen: 29.354 ug/l
RT: 7.68 min Scan# 715
Delta R.T. 0.00 min
Lab File: VF060468.D
Acq: 5 Oct 2018 21:28

Tgt Ion: 98 Resp: 201415
Ion Ratio Lower Upper
98 100
100 61.5 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.905 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.01 min

Lab File: VF060468.D

Acq: 5 Oct 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

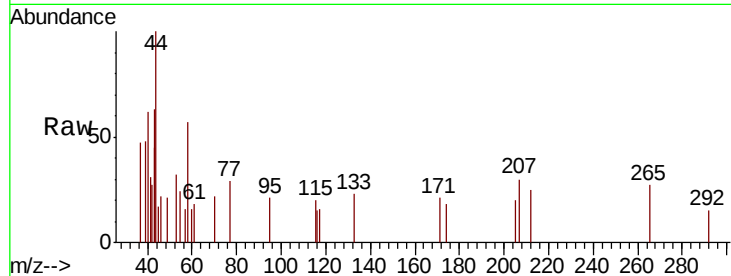
B-6(2.5-3)

Tot Ion: 43 Resp: 2294

Ion Ratio Lower Upper

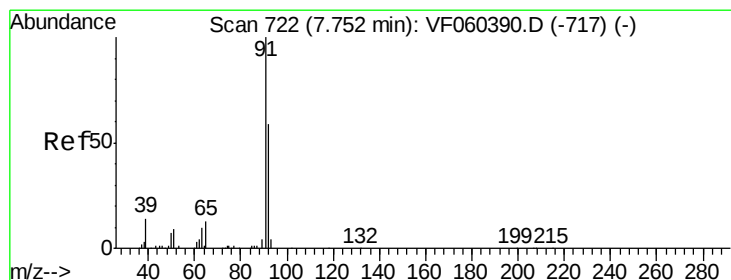
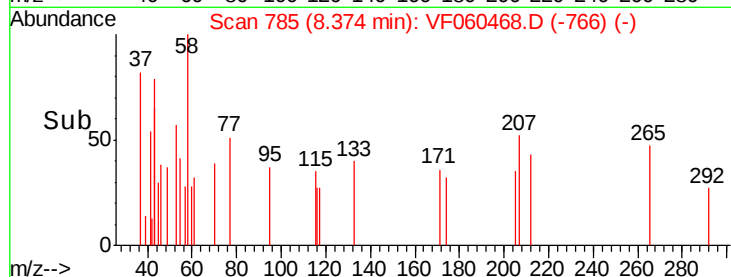
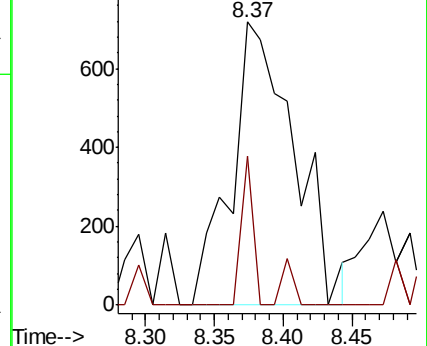
43 100

58 52.8 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 7.432 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.00 min

Lab File: VF060468.D

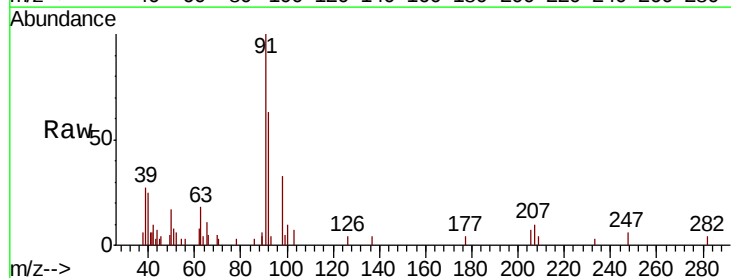
Acq: 5 Oct 2018 21:28

Tgt Ion: 63 Resp: 1348

Ion Ratio Lower Upper

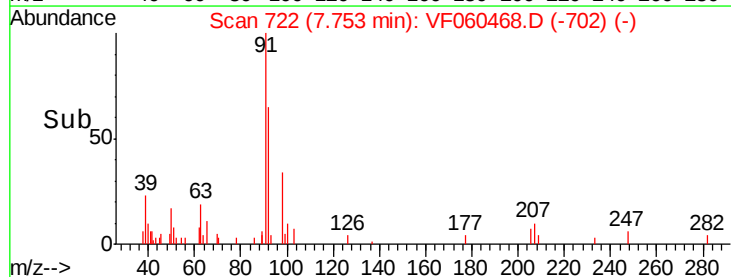
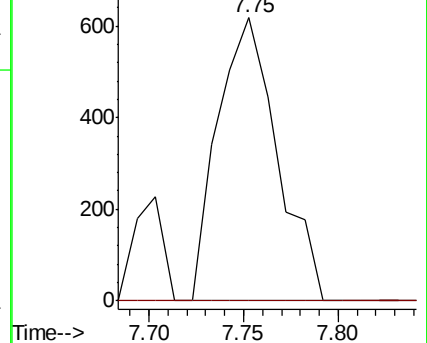
63 100

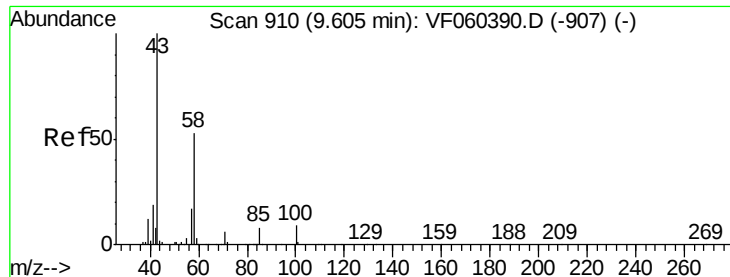
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

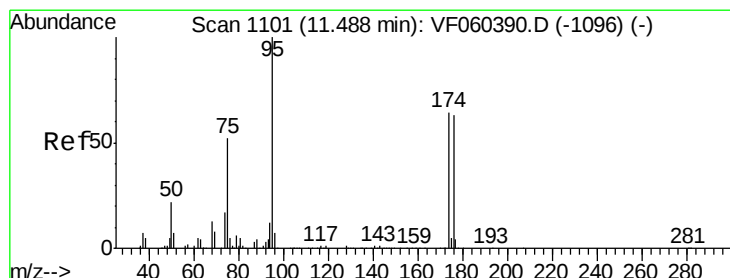
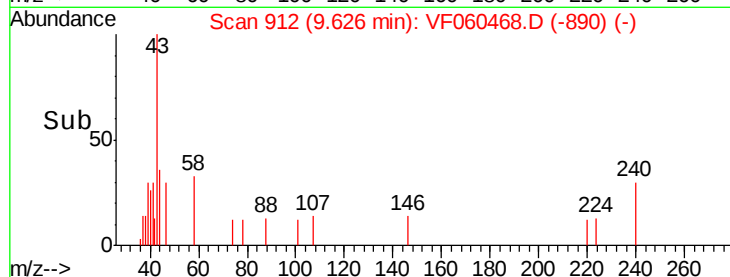
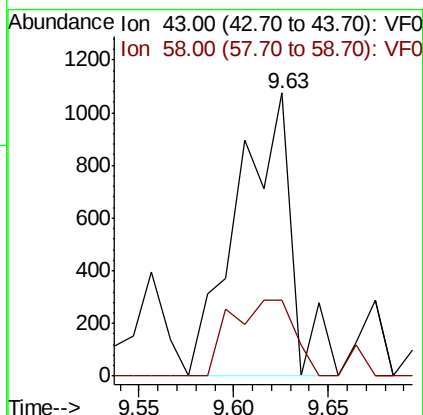
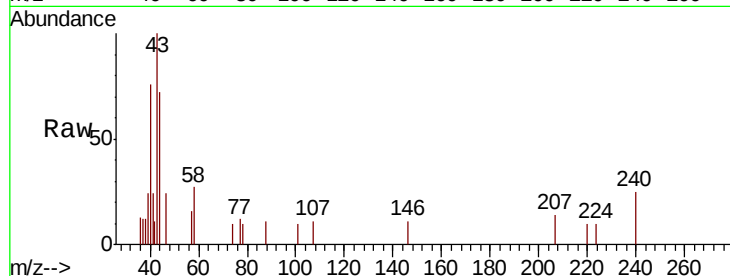




#59
2-Hexanone
Concen: 2.441 ug/l
RT: 9.63 min Scan# 912
Delta R.T. 0.02 min
Lab File: VF060468.D
Acq: 5 Oct 2018 21:28

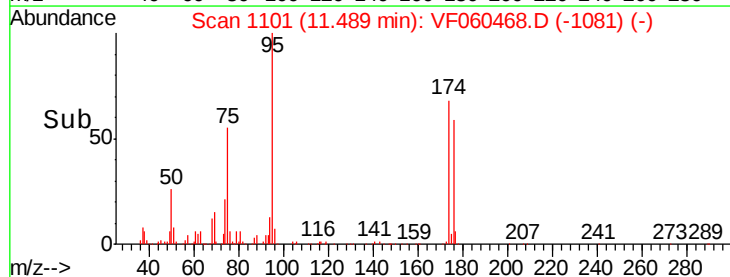
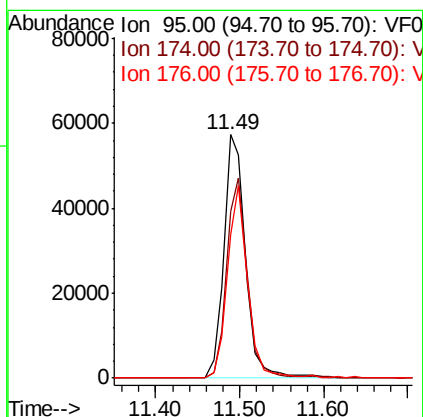
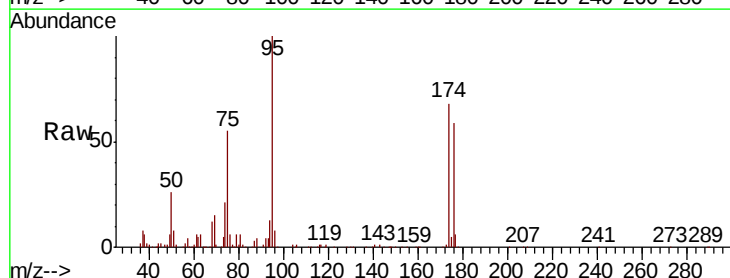
Instrument :
MSVOA_F
ClientSampleId :
B-6(2.5-3)

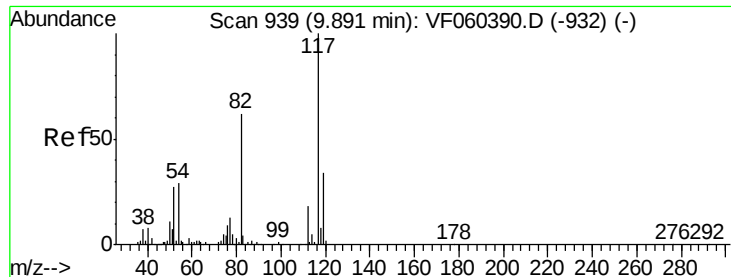
Tot Ion: 43 Resp: 2157
Ion Ratio Lower Upper
43 100
58 27.1 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 32.518 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VF060468.D
Acq: 5 Oct 2018 21:28

Tgt Ion: 95 Resp: 101877
Ion Ratio Lower Upper
95 100
174 68.4 0.0 129.0
176 59.2 0.0 125.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 939

Delta R.T. 0.00 min

Lab File: VF060468.D

Acq: 5 Oct 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

B-6(2.5-3)

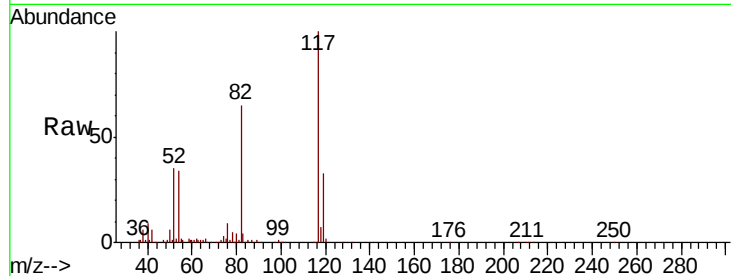
Tot Ion:117 Resp: 242551

Ion Ratio Lower Upper

117 100

82 65.4 49.5 74.3

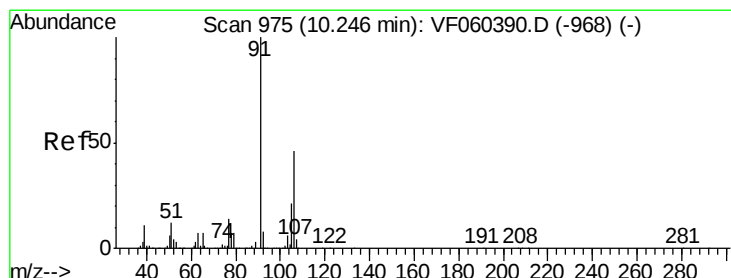
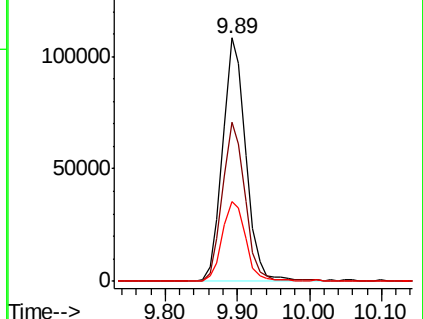
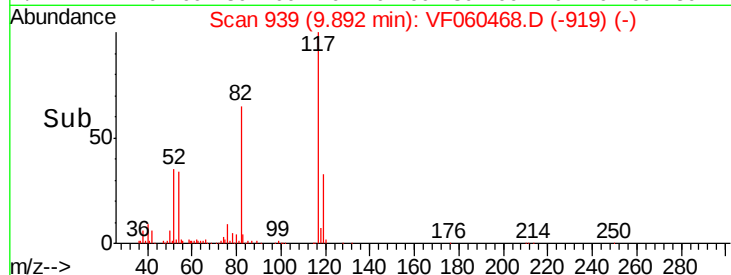
119 32.7 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#68

m/p-Xylenes

Concen: 2.263 ug/l

RT: 10.25 min Scan# 975

Delta R.T. 0.00 min

Lab File: VF060468.D

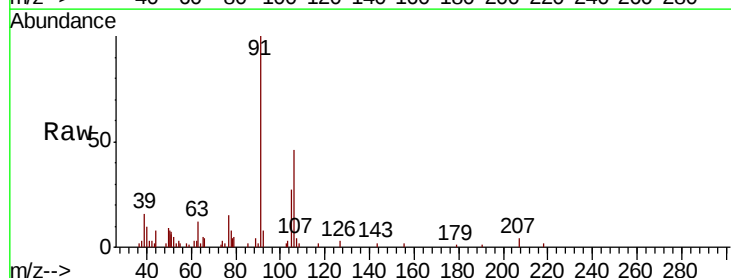
Acq: 5 Oct 2018 21:28

Tgt Ion:106 Resp: 7370

Ion Ratio Lower Upper

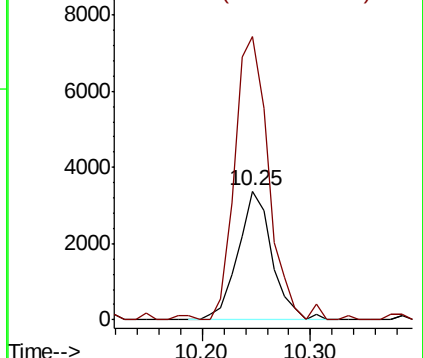
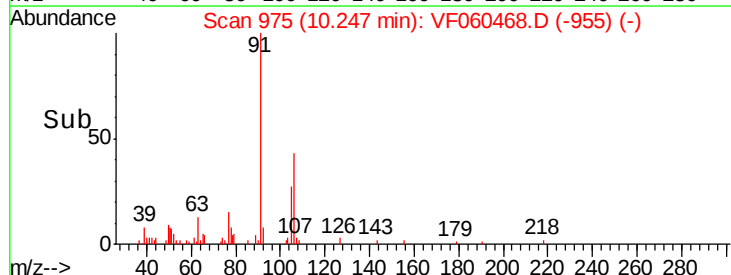
106 100

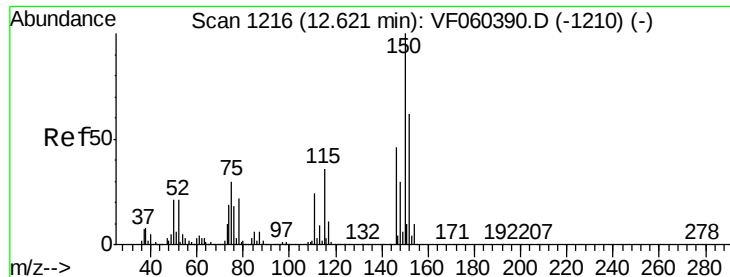
91 219.4 175.0 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



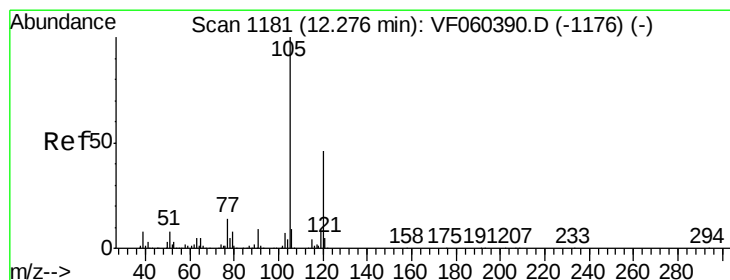
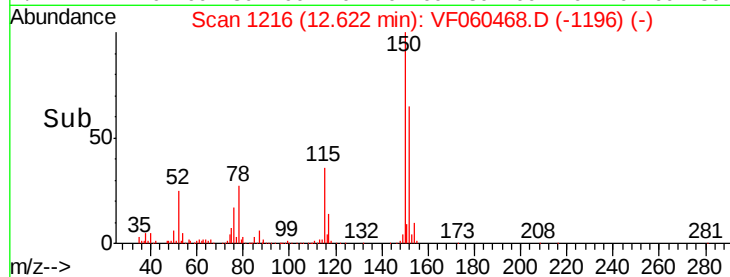
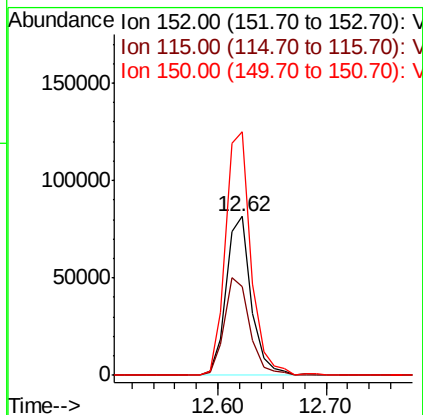
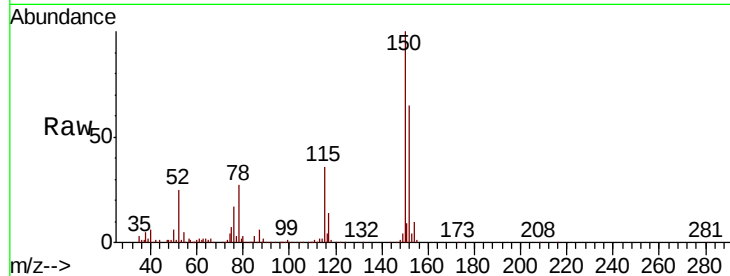


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VF060468.D
Acq: 5 Oct 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
B-6(2.5-3)

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.6	85.8
150	153.2	0.0	324.6



#84

1,2,4-Trimethylbenzene
Concen: 1.142 ug/l
RT: 12.27 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VF060468.D
Acq: 5 Oct 2018 21:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	32.9	23.1	69.2

