

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060460.D
 Acq On : 5 Oct 2018 17:09
 Operator : VA/AP
 Sample : VF1005SBL01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBL01

Quant Time: Oct 06 04:34:59 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

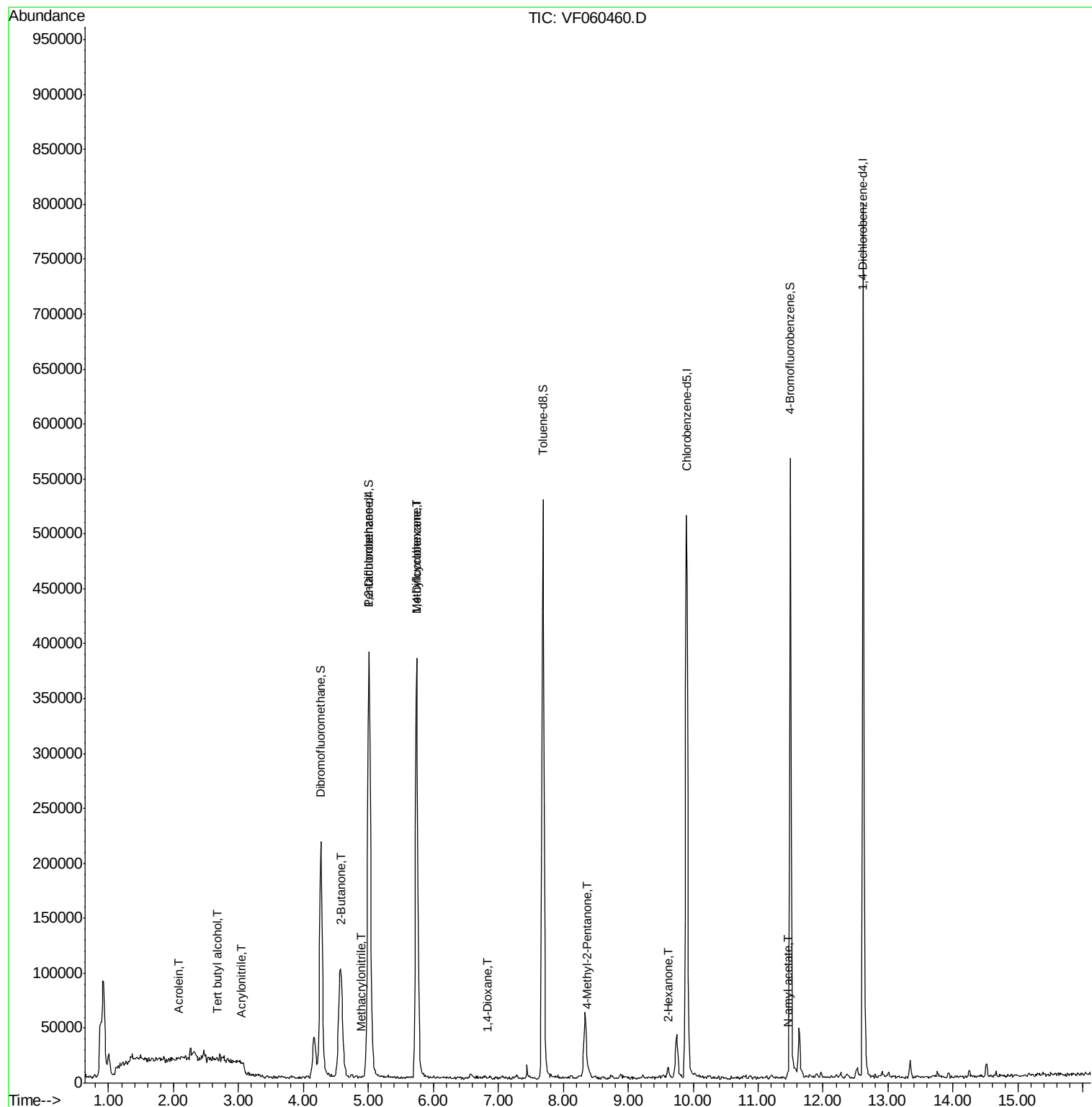
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	239100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	382576	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	340156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	190860	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	194334	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
35) Dibromofluoromethane	4.27	113	195168	54.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.60%	
50) Toluene-d8	7.69	98	425765	48.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.20%	
62) 4-Bromofluorobenzene	11.49	95	203614	50.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	375	Below Cal	#	25
11) Tert butyl alcohol	2.68	59	1095	4.839	ug/l #	1
13) Acrolein	2.07	56	1121	6.159	ug/l	95
15) Acrylonitrile	3.05	53	1150	2.966	ug/l #	66
16) Acetone	2.31	43	4750	Below Cal	#	93
20) Methylene Chloride	2.27	84	2803	Below Cal	#	78
25) 2-Butanone	4.57	43	8430	8.702	ug/l #	2
29) Tetrahydrofuran	4.25	42	1083	Below Cal	#	67
39) Methylcyclohexane	5.74	83	4691	1.014	ug/l #	35
41) Methacrylonitrile	4.89	41	1569	1.638	ug/l #	65
49) 1,4-Dioxane	6.84	88	66	4.885	ug/l #	1
51) 4-Methyl-2-Pentanone	8.38	43	6625	4.264	ug/l #	65
59) 2-Hexanone	9.62	43	7755	6.804	ug/l	92
74) N-amyl acetate	11.45	43	4319	1.252	ug/l #	89

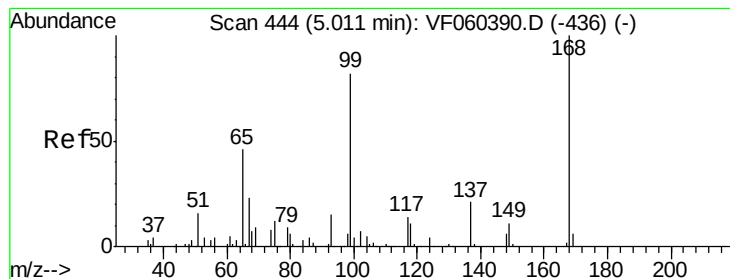
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 06 04:34:59 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: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060460.D

Acq: 5 Oct 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

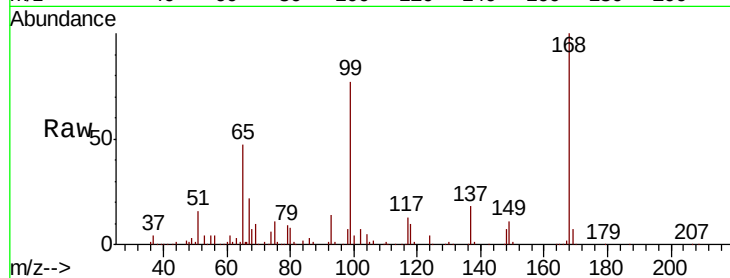
VF1005SBL01

Tot Ion:168 Resp: 239100

Ion Ratio Lower Upper

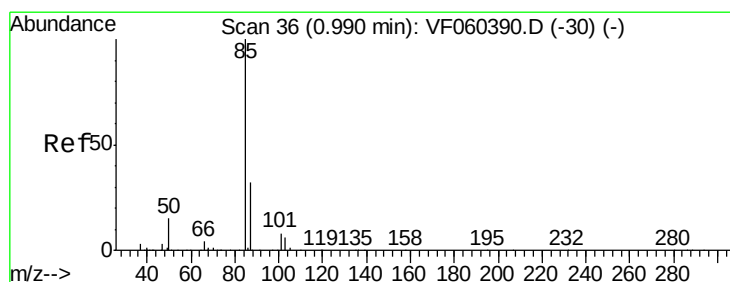
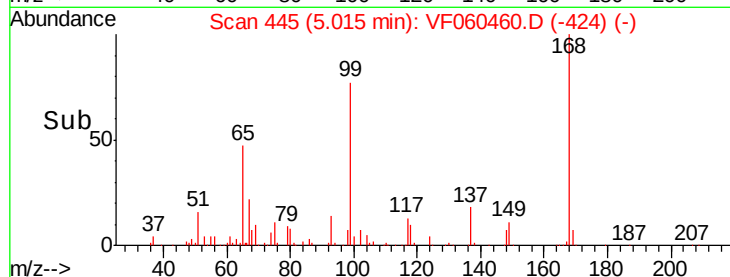
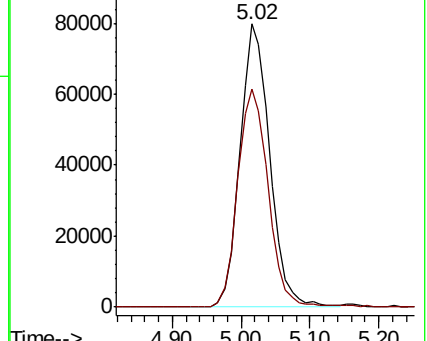
168 100

99 77.3 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# 36

Delta R.T. -0.01 min

Lab File: VF060460.D

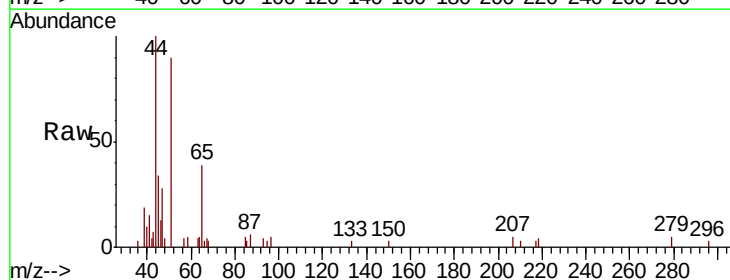
Acq: 5 Oct 2018 17:09

Tgt Ion: 85 Resp: 375

Ion Ratio Lower Upper

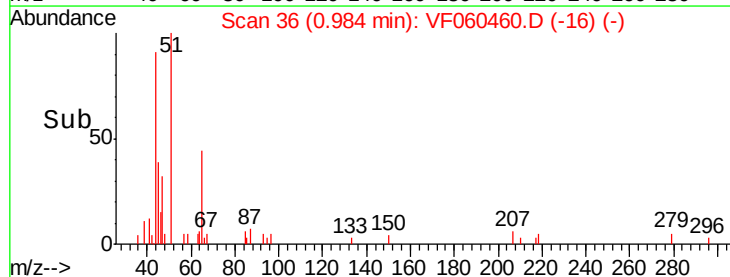
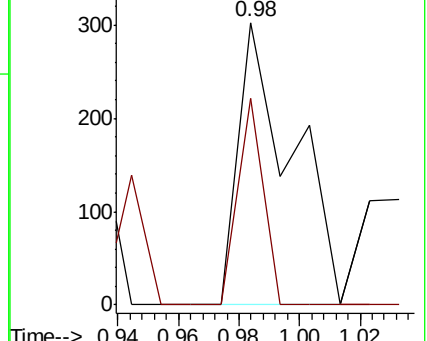
85 100

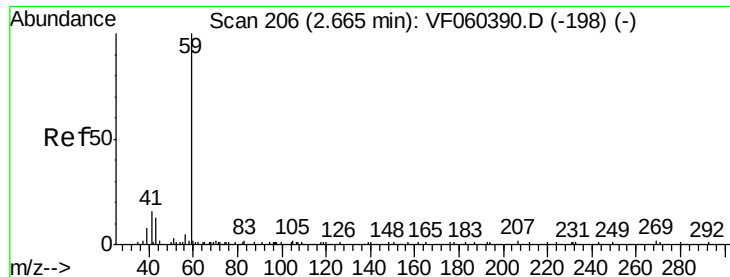
87 73.3 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



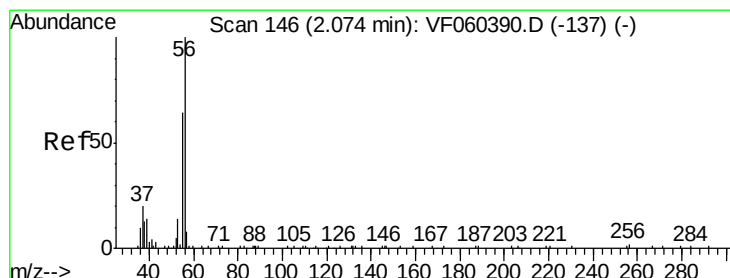
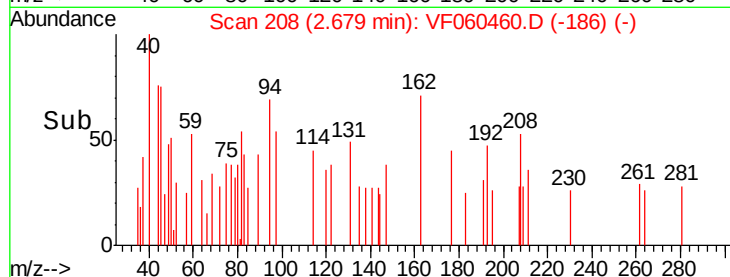
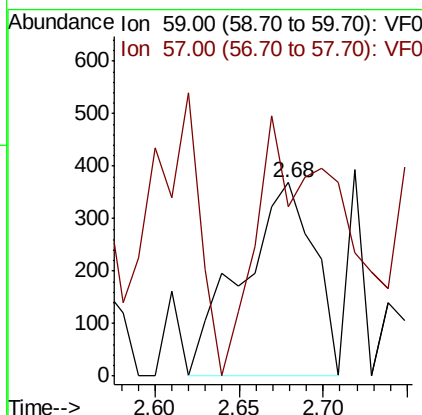
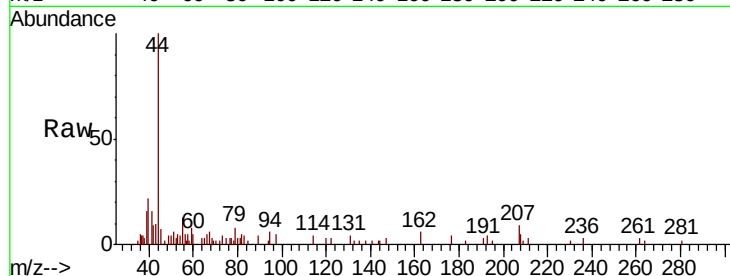


#11

Tert butyl alcohol
 Concen: 4.839 ug/l
 RT: 2.68 min Scan# 208
 Delta R.T. 0.01 min
 Lab File: VF060460.D
 Acq: 5 Oct 2018 17:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBL01

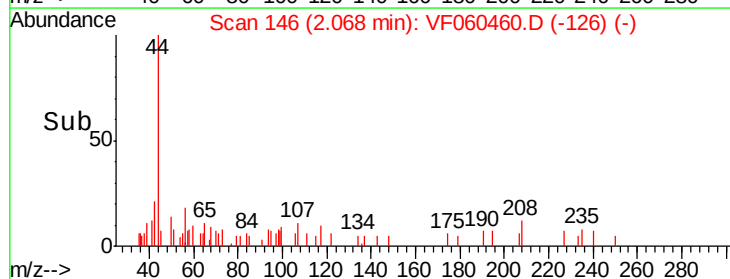
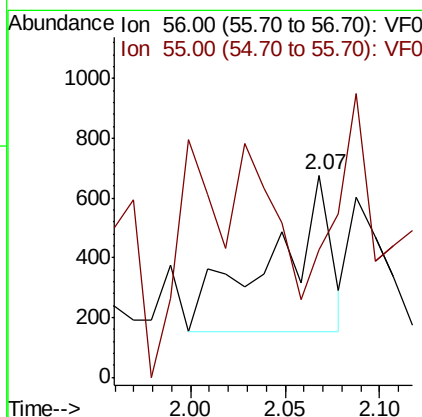
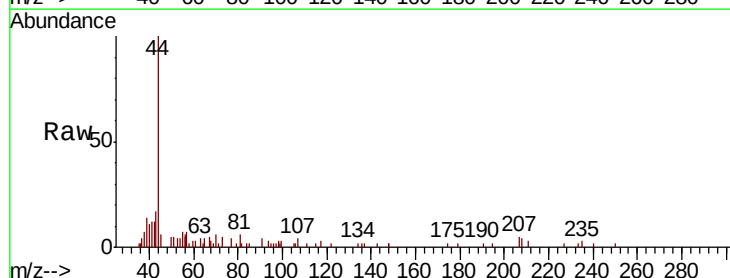
Tot Ion: 59 Resp: 1095
 Ion Ratio Lower Upper
 59 100
 57 87.5 6.5 9.7#

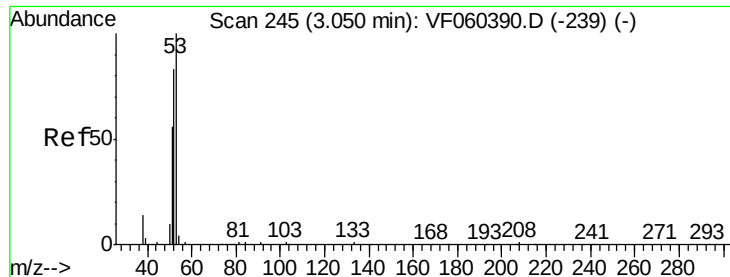


#13

Acrolein
 Concen: 6.159 ug/l
 RT: 2.07 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VF060460.D
 Acq: 5 Oct 2018 17:09

Tgt Ion: 56 Resp: 1121
 Ion Ratio Lower Upper
 56 100
 55 63.0 53.9 80.9





#15

Acrylonitrile

Concen: 2.966 ug/l

RT: 3.05 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF060460.D

Acq: 5 Oct 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBL01

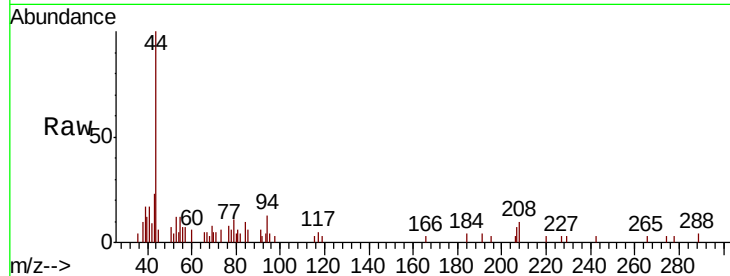
Tot Ion: 53 Resp: 1150

Ion Ratio Lower Upper

53 100

52 34.9 66.0 99.0#

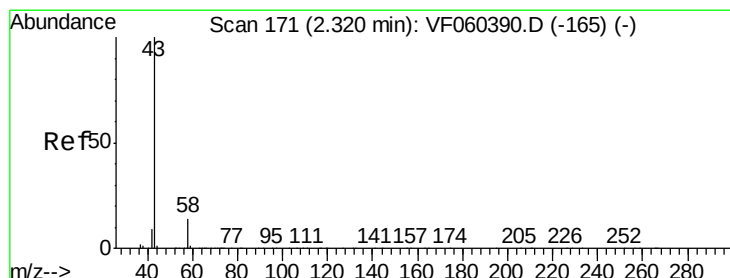
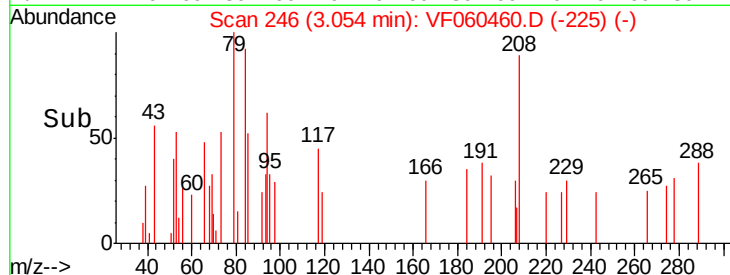
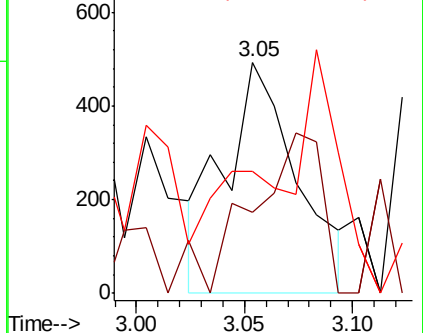
51 52.9 45.6 68.4



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: Below Cal

RT: 2.31 min Scan# 171

Delta R.T. -0.01 min

Lab File: VF060460.D

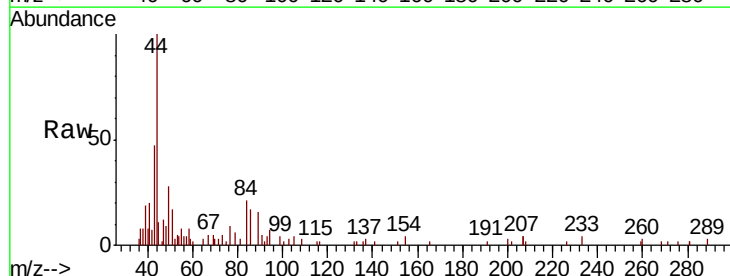
Acq: 5 Oct 2018 17:09

Tgt Ion: 43 Resp: 4750

Ion Ratio Lower Upper

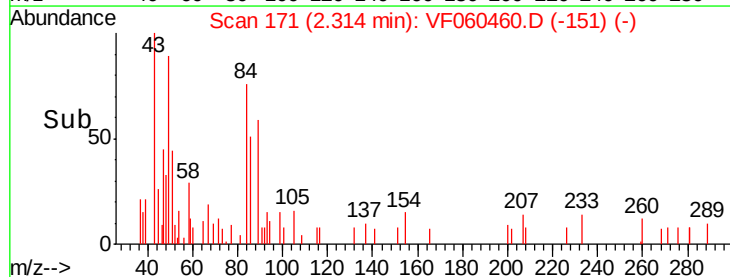
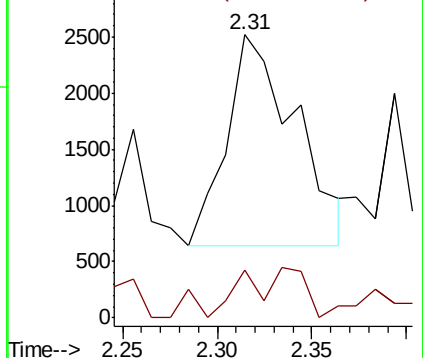
43 100

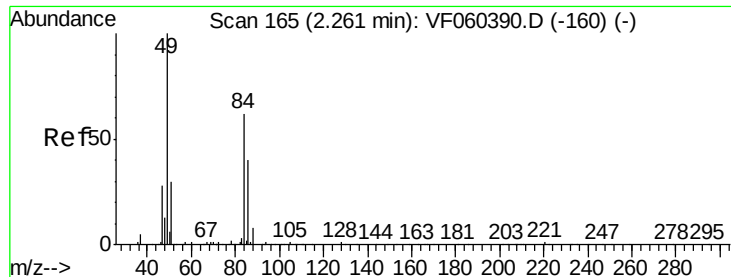
58 17.0 11.2 16.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

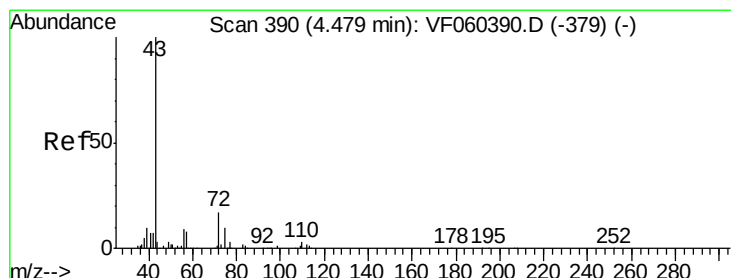
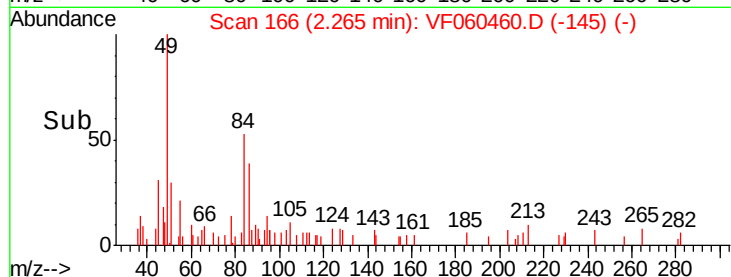
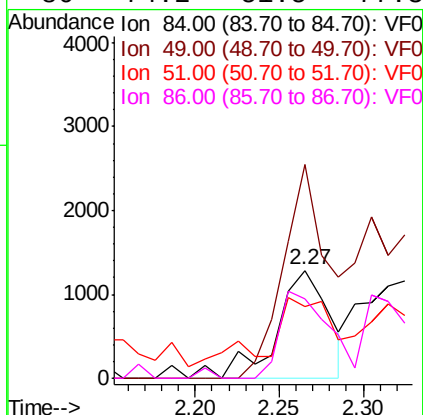
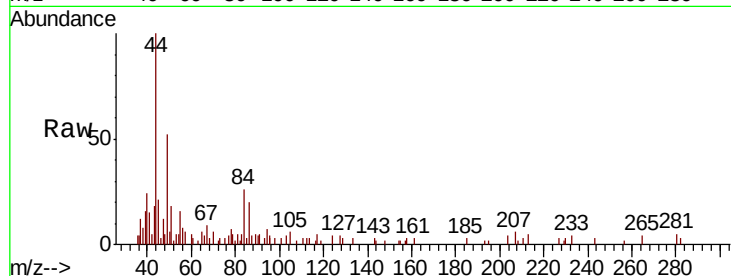




#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. 0.00 min
Lab File: VF060460.D
Acq: 5 Oct 2018 17:09

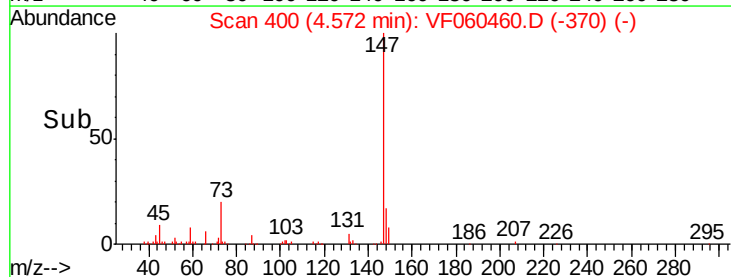
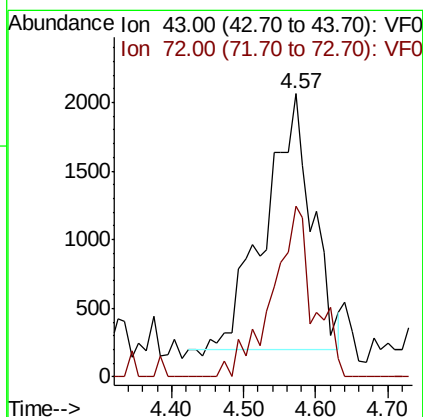
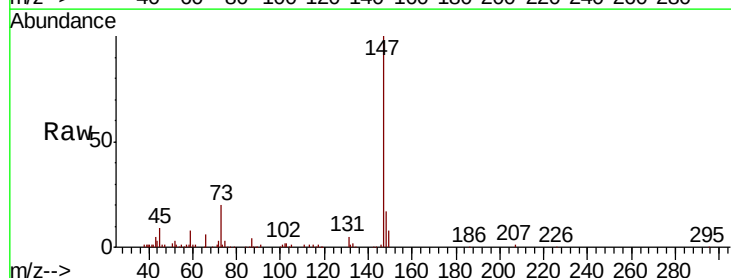
Instrument :
MSVOA_F
ClientSampleId :
VF1005SBL01

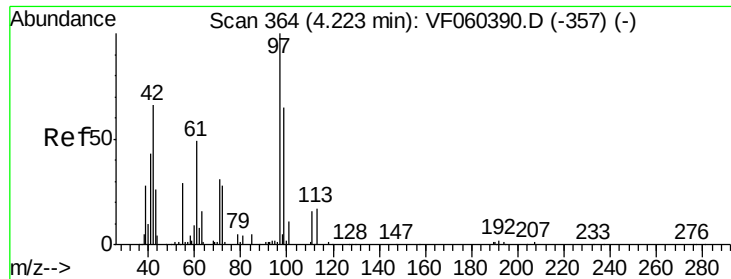
Tot Ion: 84 Resp: 2803
Ion Ratio Lower Upper
84 100
49 198.2 130.2 195.2#
51 66.2 41.0 61.6#
86 74.2 51.5 77.3



#25
2-Butanone
Concen: 8.702 ug/l
RT: 4.57 min Scan# 400
Delta R.T. 0.09 min
Lab File: VF060460.D
Acq: 5 Oct 2018 17:09

Tgt Ion: 43 Resp: 8430
Ion Ratio Lower Upper
43 100
72 60.5 14.1 21.1#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.25 min Scan# 367

Delta R.T. 0.02 min

Lab File: VF060460.D

Acq: 5 Oct 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBL01

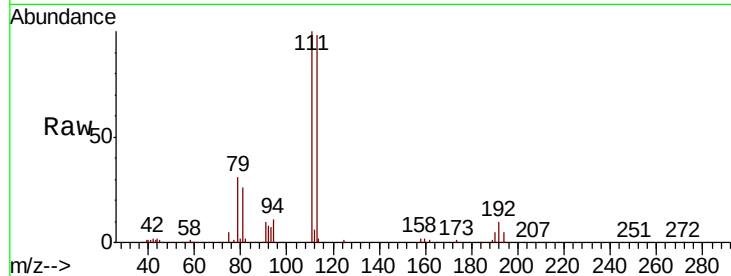
Tot Ion: 42 Resp: 1083

Ion Ratio Lower Upper

42 100

72 26.5 33.6 50.4#

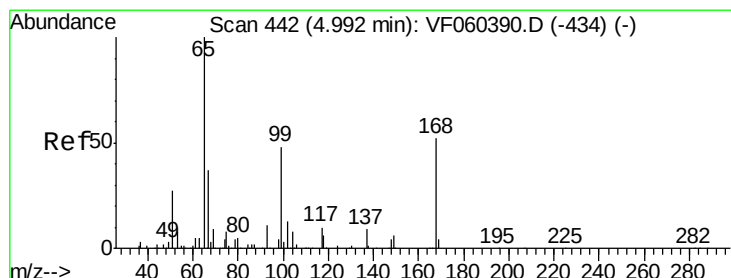
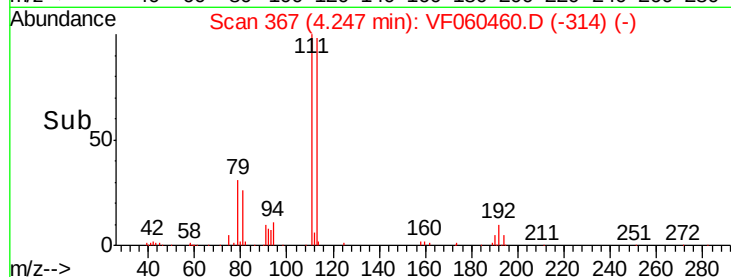
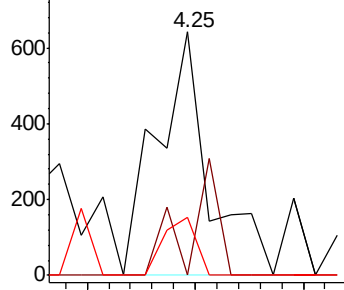
71 14.8 32.7 49.1#



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: 51.942 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.00 min

Lab File: VF060460.D

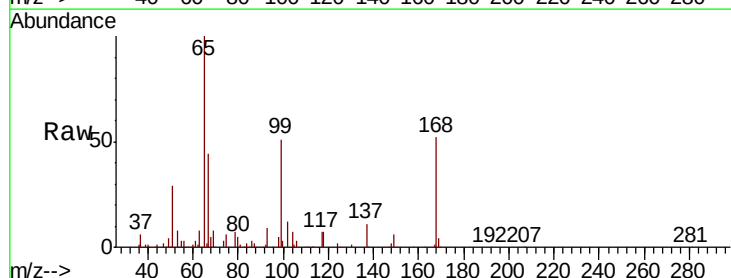
Acq: 5 Oct 2018 17:09

Tgt Ion: 65 Resp: 194334

Ion Ratio Lower Upper

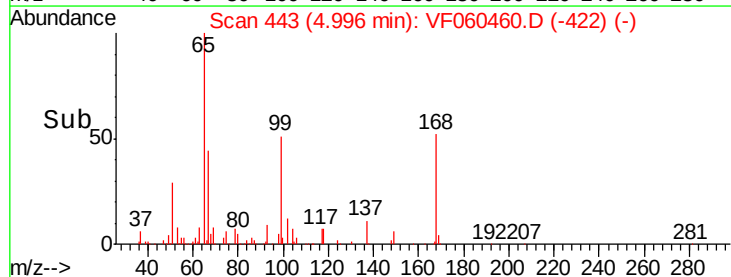
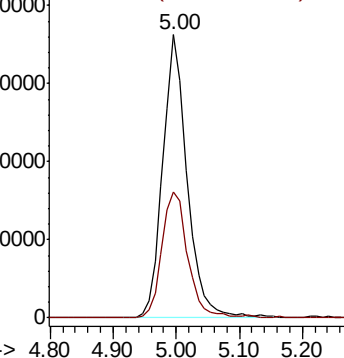
65 100

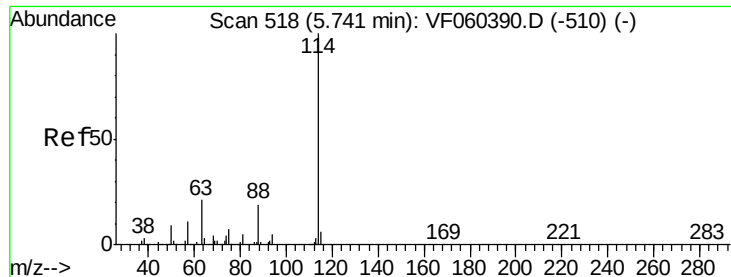
67 44.4 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

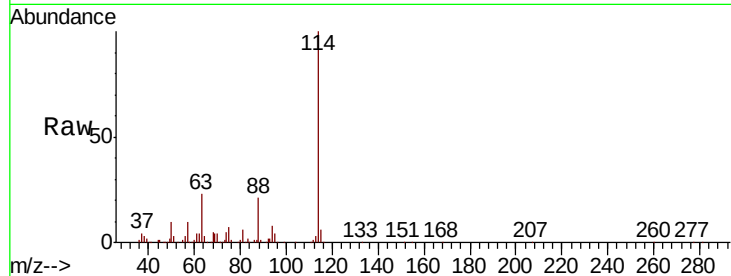




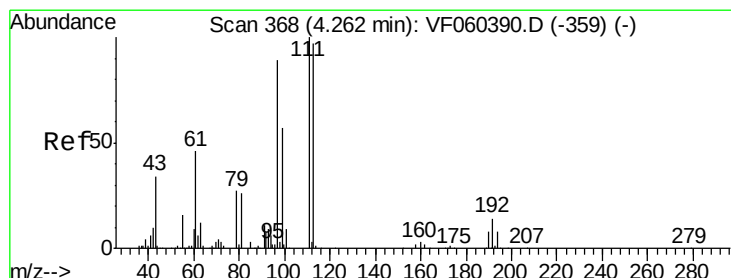
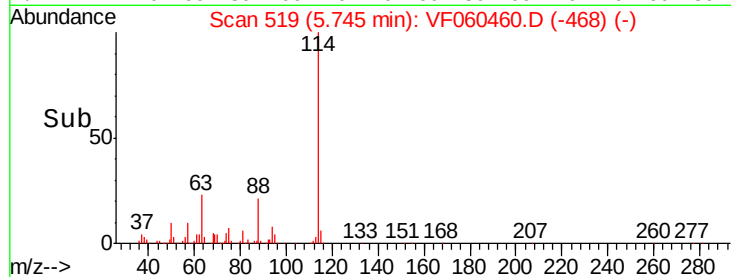
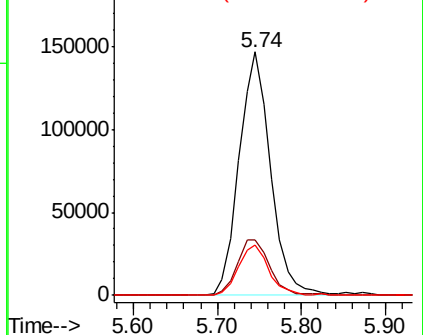
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.74 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF060460.D
Acq: 5 Oct 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBL01

Tot Ion:114 Resp: 382576
Ion Ratio Lower Upper
114 100
63 22.8 0.0 42.2
88 20.5 0.0 38.8

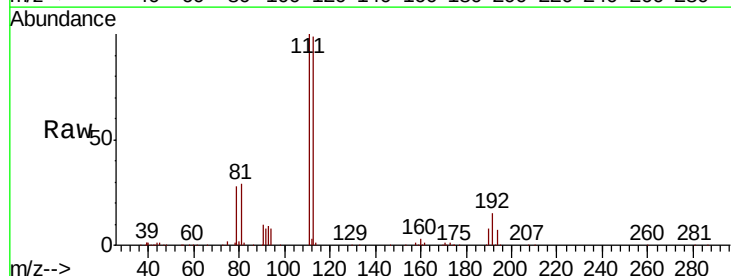


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

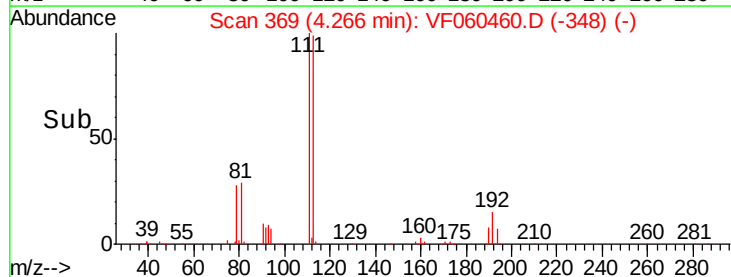
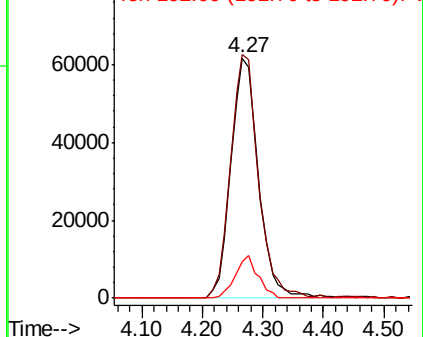


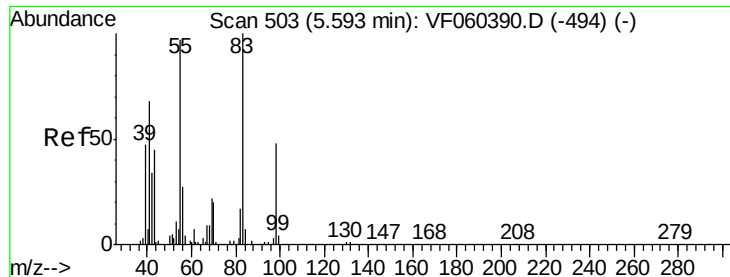
#35
Dibromofluoromethane
Concen: 54.303 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060460.D
Acq: 5 Oct 2018 17:09

Tgt Ion:113 Resp: 195168
Ion Ratio Lower Upper
113 100
111 101.3 82.3 123.5
192 14.8 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

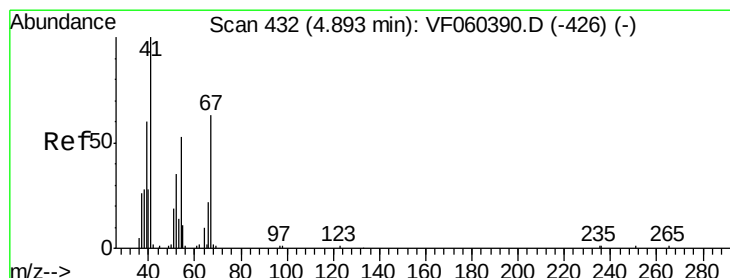
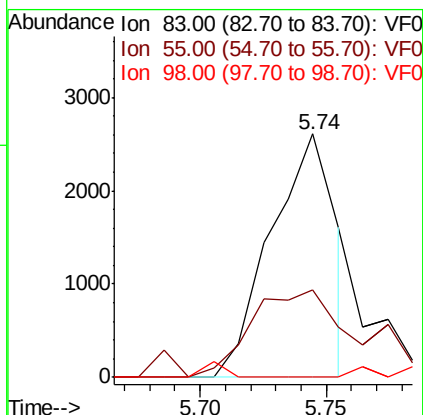
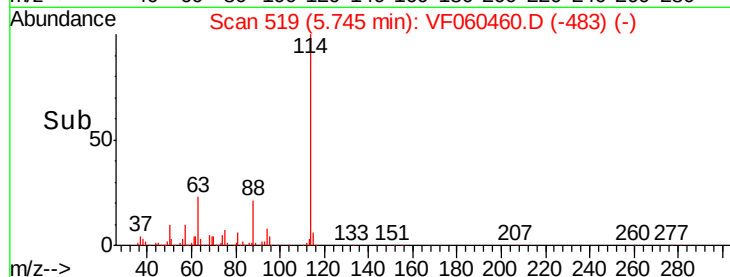
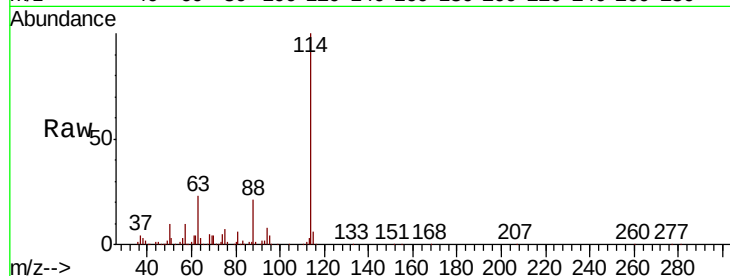




#39
Methylcyclohexane
Concen: 1.014 ug/l
RT: 5.74 min Scan# 519
Delta R.T. 0.15 min
Lab File: VF060460.D
Acq: 5 Oct 2018 17:09

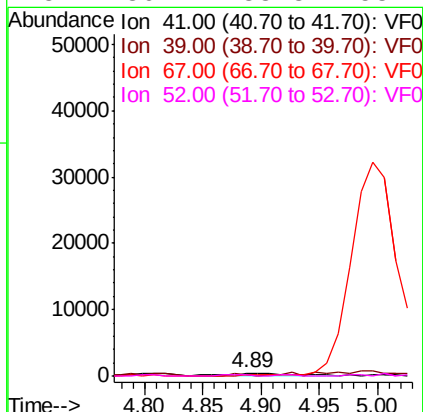
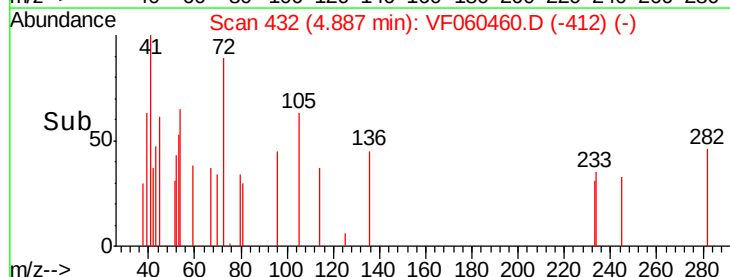
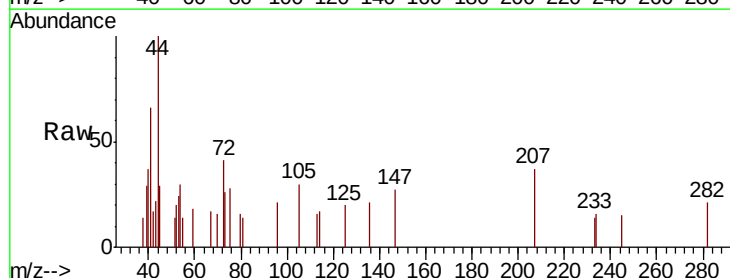
Instrument :
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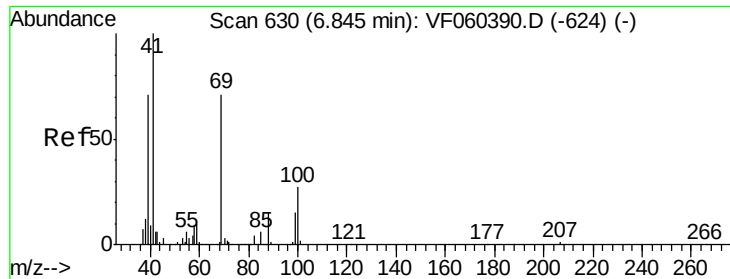
Tot Ion: 83 Resp: 4691
Ion Ratio Lower Upper
83 100
55 36.0 77.5 116.3#
98 0.0 38.7 58.1#



#41
Methacrylonitrile
Concen: 1.638 ug/l
RT: 4.89 min Scan# 432
Delta R.T. -0.01 min
Lab File: VF060460.D
Acq: 5 Oct 2018 17:09

Tgt Ion: 41 Resp: 1569
Ion Ratio Lower Upper
41 100
39 44.0 55.0 82.4#
67 26.1 49.6 74.4#
52 30.1 38.8 58.2#





#49

1,4-Dioxane

Concen: 4.885 ug/l

RT: 6.84 min Scan# 630

Delta R.T. -0.01 min

Lab File: VF060460.D

Acq: 5 Oct 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBL01

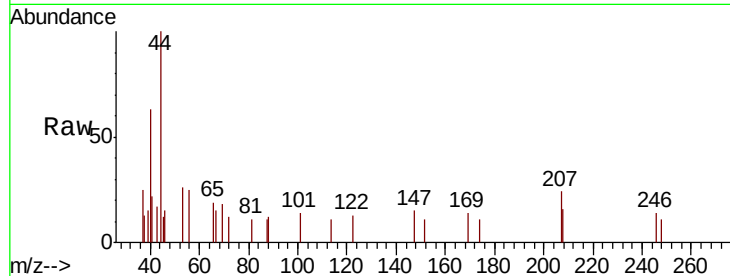
Tot Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 142.0 38.3 57.5#

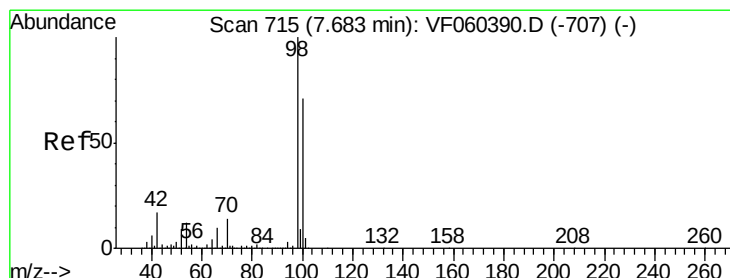
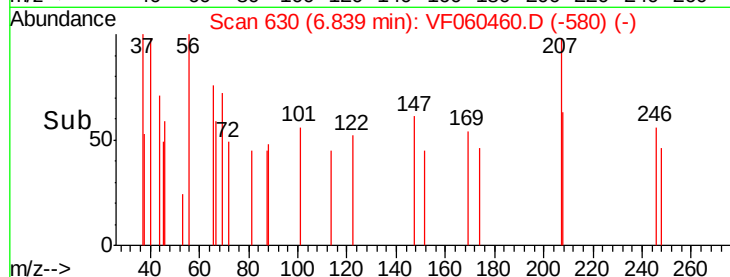
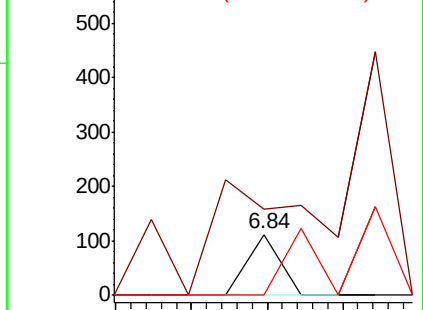
58 0.0 47.4 71.2#



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: 48.101 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.00 min

Lab File: VF060460.D

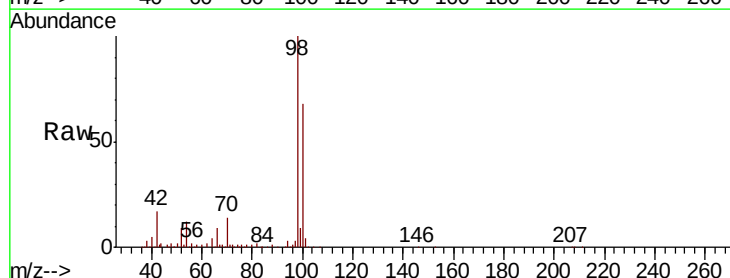
Acq: 5 Oct 2018 17:09

Tgt Ion: 98 Resp: 425765

Ion Ratio Lower Upper

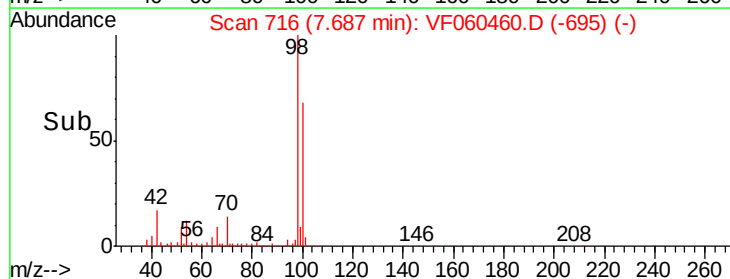
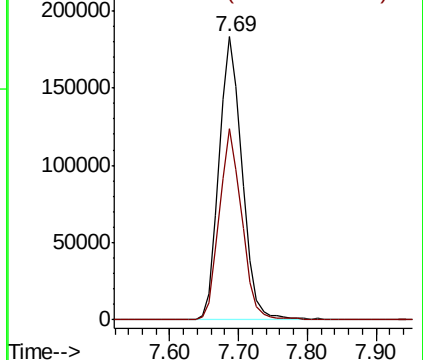
98 100

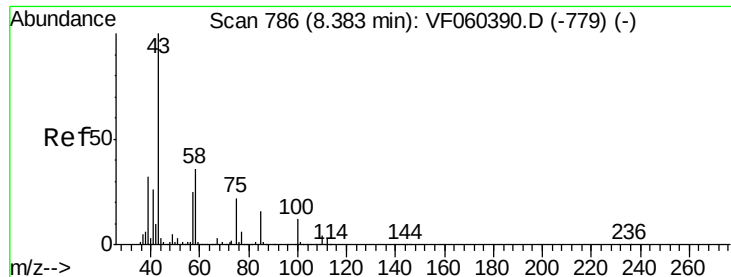
100 67.8 56.5 84.7



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: 4.264 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.01 min

Lab File: VF060460.D

Acq: 5 Oct 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

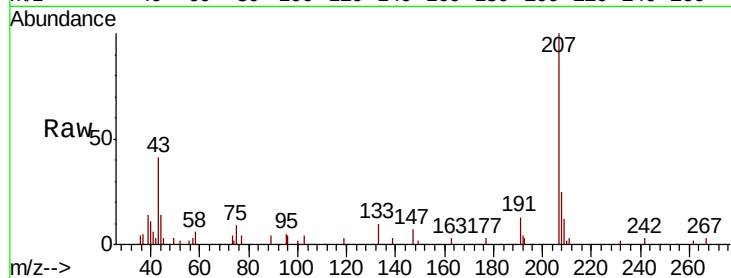
VF1005SBL01

Tot Ion: 43 Resp: 6625

Ion Ratio Lower Upper

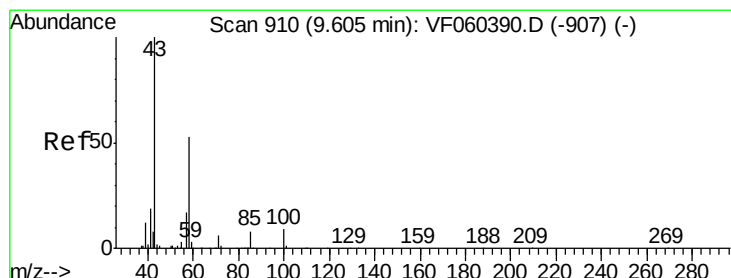
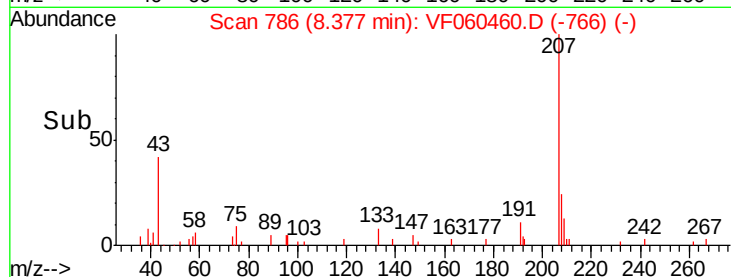
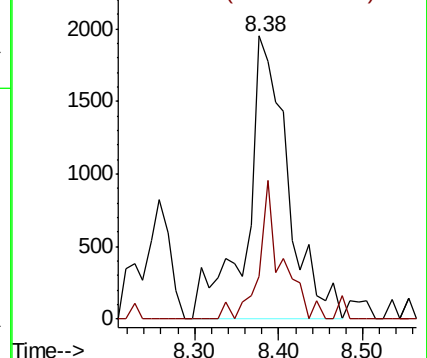
43 100

58 14.9 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 6.804 ug/l

RT: 9.62 min Scan# 912

Delta R.T. 0.01 min

Lab File: VF060460.D

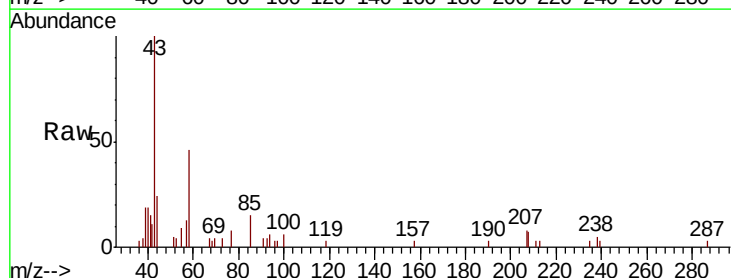
Acq: 5 Oct 2018 17:09

Tgt Ion: 43 Resp: 7755

Ion Ratio Lower Upper

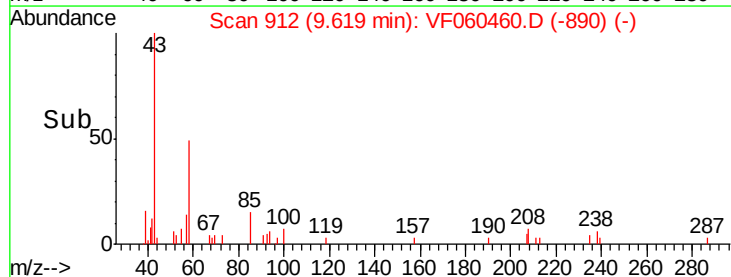
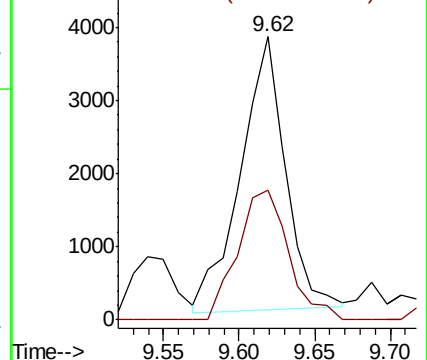
43 100

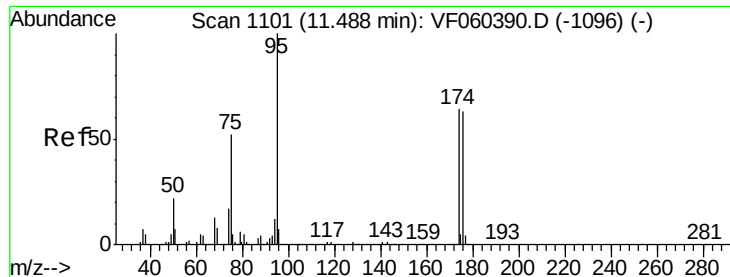
58 45.8 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 50.380 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060460.D

Acq: 5 Oct 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBL01

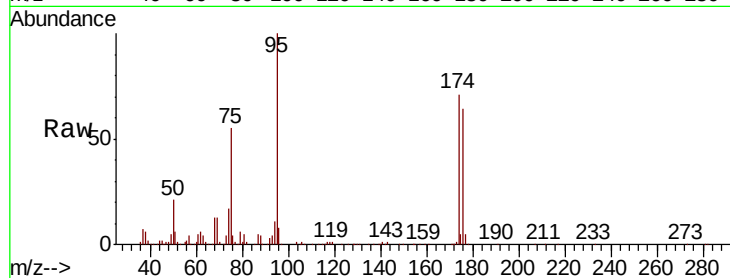
Tot Ion: 95 Resp: 203614

Ion Ratio Lower Upper

95 100

174 70.5 0.0 129.0

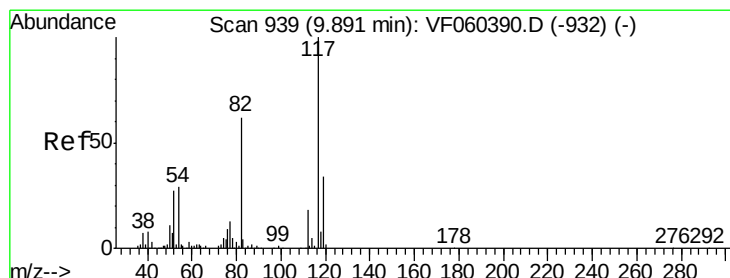
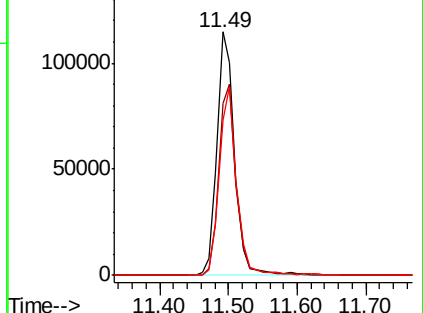
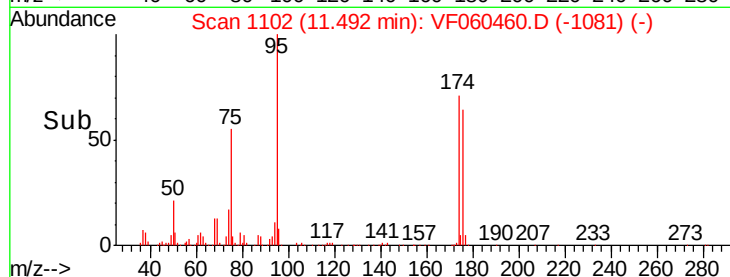
176 63.6 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF060460.D

Acq: 5 Oct 2018 17:09

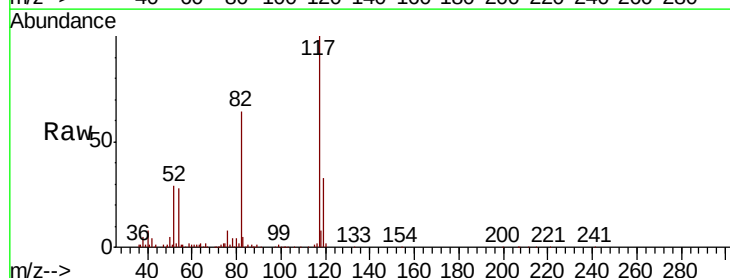
Tgt Ion: 117 Resp: 340156

Ion Ratio Lower Upper

117 100

82 64.2 49.5 74.3

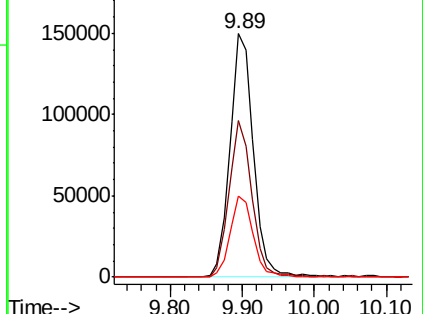
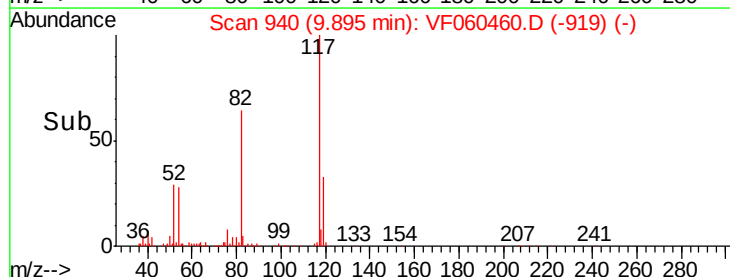
119 33.2 27.0 40.6

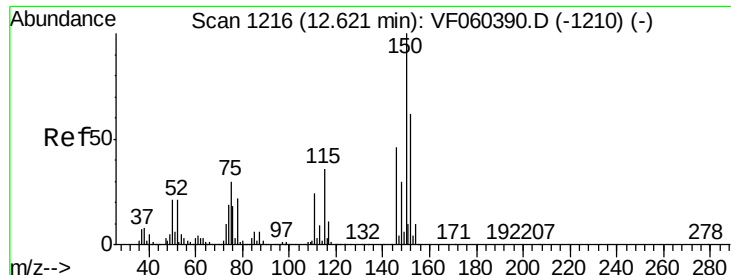


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



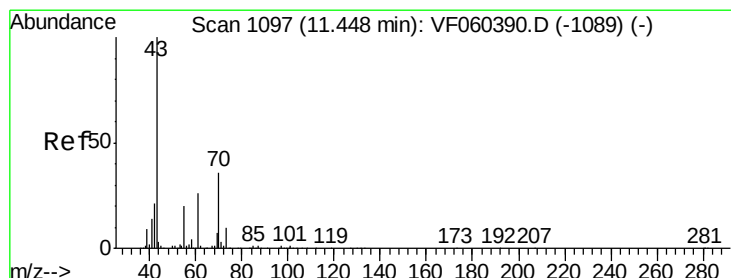
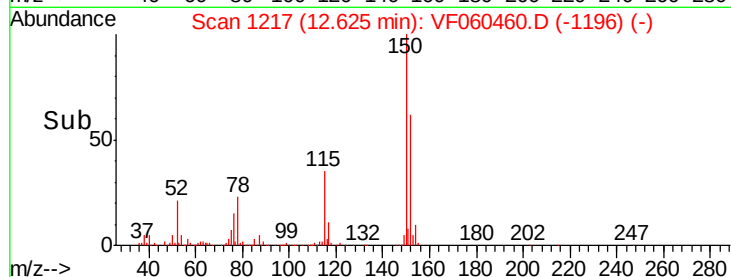
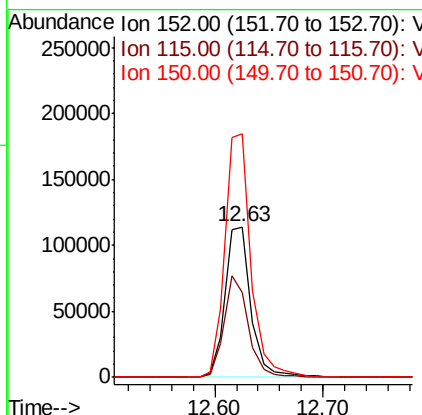
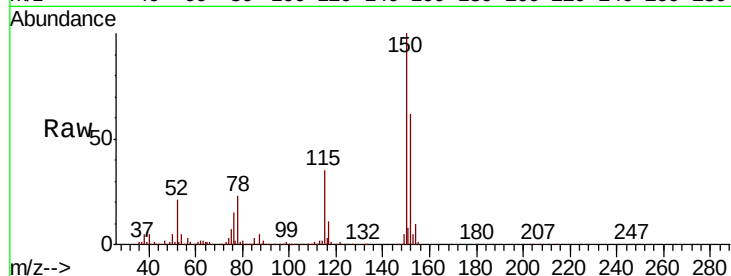


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060460.D
Acq: 5 Oct 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBL01

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.6	85.8
150	161.9	0.0	324.6



#74

N-amil acetate
Concen: 1.252 ug/l
RT: 11.45 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VF060460.D
Acq: 5 Oct 2018 17:09

Tgt Ion	Ratio	Lower	Upper
43	100		
70	24.6	29.1	43.7#
55	24.1	16.3	24.5
61	26.4	21.0	31.4

